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MONTHLY

CLIMATIC

DATA

FOR THE WORLD

PREPARED IN COOPERATION WITH THE
WORLD METEOROLOGICAL ORGANIZATION

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

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

Director
National Climatic Data Center

noaa

National
Oceanic and
Atmospheric Administration

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Environmental Satellite, Data
and Information Service

National
Climatic Data Center
Asheville, North Carolina

PREFACE

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

REFERENCE NOTES

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

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

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

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

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

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

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

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

SURFACE DATA TABLES

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

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

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

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

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

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

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

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

UPPER AIR DATA TABLES

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

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

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

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

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SURFACE

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
EUROPE																
NORWAY																
01001 JAN MAYEN	7056N	00840W	9		1009.2	1010.4	- .3	- .4	5.0	- .2	11	110	28	4		
01008 SVALBARD LUFTHAVN	7815N	01528E	29		1006.0	1009.5	-4.3	1.2	3.5	.0	1	9	-4	2		
01025 TROMSO/LANGNES	6941N	01855E	10		1003.4	1004.5	2.5	- .7	6.3	.0	17	197	68	5		
01028 BJORNOYA	7431N	01901E	16		1003.3	1005.3	-1.1	.4	5.4	.1	7	25	-19	2		
01098 VARDØ	7022N	03106E	15		1001.9	1003.7	3.7	1.3	6.7	.4	18	91	33	5		
01152 BODØ VI	6715N	01422E	20		1004.8	1006.4	3.8	-1.5	6.3	- .7	18	135	-12	3	97	
01241 ORLAND III	6342N	00936E	7		1007.6	1008.7	5.2	-1.7	7.4	-1.0	19	123	-8	3		
01317 BERGEN/FLORIDA	6023N	00520E	36		1006.4	1010.8	6.0	-2.7	7.9	-1.1	17	254	-17	3		
01384 OSLO/GARDERMOEN	6012N	01105E	204		985.8	1010.5	2.1	-2.6	5.9	-1.3	7	35	-65	1		
01415 STAVANGER/SOLA	5853N	00538E	9		1010.2	1011.3	6.5	-2.3	7.9	-1.4	16	97	-51	2		
SWEDEN																
02080 KARESUANDO	6826N	02230E	325		964.5	1005.2	-1.3	.3	5.3	.2	10	35	-9	2	68	
02128 GUNNARN	6458N	01742E	281		973.8	1008.8	.0	-1.7	5.2	- .8	7	31	-15	2		
02196 HAPARANDA	6550N	02409E	6		1004.9	1005.7	2.1	- .4	6.4	- .1	8	59	-5	3	78	
02226 FROSON	6312N	01430E	360		963.6	1009.4	1.9	-1.9	6.2	- .6	4	14	-23	1	106	
02366 TIMRA/MIDLANDA	6231N	01727E	7		1007.8	1008.3	2.5	-2.0	6.3	- .8	5	54	2	3		
02418 KARLSTAD FLYGPLATS	5922N	01328E	50		996.9	1010.2	3.7	-2.8	6.5	-2.0	9	42	-25	2	158	168
02512 GÖTEBORG/SAVE	5747N	01153E	16		1009.0	1011.3	4.6	-3.9	7.7	-1.9	12	69	-15	2	147	156
02550 JONKÖPING/AXAMÖ	5745N	01405E	218		983.3	1011.0	3.1	-3.3	6.7	-1.7	6	21	-42	1		
02590 VISBY FLYGPLATS	5740N	01821E	41		1003.2	1009.4	6.3	-1.8	7.6	-2.0	11	34	-16	2	97	92
FINLAND																
02801 KILPISJARVI	6903N	02047E	476		946.8	1005.8	-1.1		5.2		11	75		5		
02805 KEVO	6945N	02702E	101		992.2	1004.7	- .5		5.6		9	30		3	44	
02836 SODANKYLÄ	6722N	02639E	179		983.2	1005.5	- .2	.0	5.7		7	38	-13	2	56	
02869 KUUSAMO	6558N	02911E	263		972.0	1004.8	.6	.5	5.9		12	61	9	4		
02875 OULU	6456N	02522E	15		1004.1	1005.9	2.6	- .4	6.6		7	60	18	4	85	
02897 KAJAANI	6417N	02741E	136		989.6	1006.3	2.2	- .2	6.5		10	52	7	4		
02929 JOENSUU	6240N	02938E	117		991.6	1006.5	2.9	- .3	7.0		10	105	46	5		
02935 JYVASKYLÄ	6224N	02541E	145		989.5	1006.9	2.2	-1.2	6.7		11	84	28	5	42	
02942 NIINISALO	6151N	02228E	136		991.7	1007.3	2.3	-1.7	6.7		12	76	22	4		
02963 JOKIOINEN	6049N	02330E	103		994.6	1007.5	2.7	-2.0	7.0		11	74	16	4	58	72
02972 TURKU	6031N	02216E	59		1000.5	1007.8	3.5	-2.2	7.0		9	51	-18	2	86	96
02974 HELSINKI-VANTAA	6019N	02458E	56		1000.5	1007.6	3.5	-1.9	7.3		13	73	0	3	70	79
UNITED KINGDOM																
03005 LERWICK	6008N	00111W	84		1001.6	1011.6	7.5	- .7	8.4		21	126	-8	3	106	177
03026 STORNOWAY	5813N	00619W	13		1012.1	1013.9	8.5	- .6	8.5		14	68	-70	1	85	106
03066 KINLOSS	5739N	00334W	7		1013.4	1014.0	8.0	-1.4	8.3		12	80	24	5	98	117
03091 ABERDEEN/DYCE AIRPORT	5712N	00213W	65		1005.8	1013.8	8.3	- .7	8.3		14	51	-26	3	138	148
03100 TIRRE	5630N	00653W	12		1013.5	1014.6	9.5	- .8	9.7		14	58	-84	0	117	150
03162 ESKDALEMUIR	5519N	00312W	242		985.6	1015.2	7.0	-1.1	8.3		14	63	-101	1	125	171
03257 LEEMING	5418N	00132W	40		1010.7	1014.7	8.6	-1.4	8.7		6	25	-26	2	129	142

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
03302 VALLEY	5315N	00432W	11		1013.3	1014.5	9.9	-1.6	9.6		14	68	-23	2	120	117
03334 MANCHESTER AIRPORT	5321N	00217W	68		1006.1	1014.5	9.3	-1.3	8.9		10	43	-34	1	127	131
03377 WADDINGTON	5310N	00031W	68		1005.9	1014.2	9.5	- .8	8.7		7	39	-8	3	156	151
03502 ABERPORTH	5208N	00434W	133		998.3	1014.5	9.6	-1.4	9.6		16	79	-22	2	122	126
03740 LYNEHAM	5130N	00159W	145		996.5	1014.2	9.4	-1.0	9.1		7	38	-26	2	134	134
03797 MANSTON	5121N	00121E	55		1007.3	1013.3	10.2	-1.4	9.6		11	77	15	4	146	124
03808 CAMBORNE	5013N	00519W	88		1003.6	1014.2	11.3		10.9		17	79		1	124	115
03862 BOURNEMOUTH AIRPORT	5047N	00150W	11		1012.5	1013.8	9.9	-1.1	9.4		8	82	2	3	139	126
03917 BELFAST/ALDERGROVE AIRPORT	5439N	00613W	81		1007.0	1014.7	8.7	-1.2	9.8		9	37	-51	1	87	102
IRELAND																
03953 VALENTIA OBSERVATORY	5156N	01015W	30		1012.7	1016.3	11.2	- .6	11.0	- .8	11	58	-99	0	137	170
03955 CORK AIRPORT	5151N	00829W	162		996.1	1015.7	9.8	- .5	10.2	-1.1	6	28	-98	0	125	140
03957 ROSSLARE	5215N	00620W	25		1011.9	1014.9	11.1	- .4	10.7	-1.0	7	44	-51	2	143	140
03962 SHANNON AIRPORT	5242N	00855W	20		1013.5	1015.9	10.7	- .4	11.0	- .4	9	51	-42	1	119	145
03967 CASEMENT AERODROME	5318N	00626W	93		1004.1	1015.4	9.0		10.1		12	124			100	100
03969 DUBLIN AIRPORT	5326N	00615W	85		1005.2	1015.6	9.1	-1.5	9.8	-1.0	10	107	37	4	116	120
03973 CONNAUGHT AIRPORT	5345N	00849W	209		990.7	1016.2			10.0		14	77			103	
03976 BELMULLET	5414N	01000W	10		1014.9	1016.1	10.8	- .2	10.9	- .3	17	72	-62	1	110	130
03980 MALIN HEAD	5522N	00720W	25		1012.2	1015.2	10.3	- .5	10.2	- .6	15	66	-53	1	96	125
ICELAND																
04018 KEFLAVIKURFLUGVOLLUR	6358N	02236W	54		1006.1	1012.2	5.8		7.8		18	84		2		
04030 REYKJAVIK	6408N	02156W	61		1004.7	1012.2	5.6	1.2	7.5	.6	11	38	-47	0	94	
04063 AKUREYRI	6541N	01805W	27		1009.2	1012.6	3.6	.6	6.4	.1	7	33	-25	1	58	
04082 AKURNES	6418N	01513W	21		1009.8	1012.4	4.1		6.7		9	121		6		
GREENLAND																
04220 AASIAAT (EGEDSMINDE)	6842N	05251W	41			1009.4	1.1	3.3	4.8		7	30	2			
04250 NUUK (GODTHAAB)	6410N	05145W	70			1008.1	2.9	3.5	5.5		10	103	33			
04320 DANMARKSHAVN	7646N	01840W	12			1016.4	-10.2	3.4	1.7		3	9	-3			
04339 ILLOQQOORTOORMIUT (SCORESBYSU)	7029N	02157W	69			1015.8	-4.3		2.9		4	26	6			
04360 TASIILAQ (AMASSALIK)	6536N	03738W	52			1012.8	2.3	3.1	5.3		12	93	7			
04390 PRINS CHRISTIAN SUND	6003N	04310W	75			1009.4	4.8	3.7	6.4							
DENMARK & FAROE IS.																
06011 THORSHAVN	6201N	00646W	55			1011.9	6.1	-1.4	7.9		16	67	-110			
06030 AALBORG	5706N	00951E	13			1011.4	6.8	-2.1	8.0		10	30				
06186 KOEBENHAVN/LANDBOHOEJSKOLEN	5541N	01233E	7			1011.7	6.7		8.2		7	29				
06190 ROENNE	5504N	01445E	16			1011.6	8.0	-2.0	9.3		11	31				
NETHERLANDS																
06235 DE KOOY	5255N	00447E	14		1013.2	1013.3	9.0	-2.3	9.2	-2.2	11	87	3	3	172	176
06260 DE BILT	5206N	00511E	15		1013.1	1013.4	7.5	-3.0	9.0	-2.1	10	84	10	3	148	144
BELGIUM																
06447 UCCLÉ	5048N	00421E	104		1001.1	1013.4	7.9	-2.5	9.2	-2.2	11	64	-6	3	127	111
LUXEMBOURG																

SURFACE

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
06590 LUXEMBOURG/LUXEMBOURG	4937N	00613E	379		968.7	1014.1	6.9		8.1		11	69	-5	3	121	112
SWITZERLAND																
06660 ZURICH (TOWN/VILLE).	4723N	00834E	569		947.1	1014.7	6.4	-2.7	8.5	-1.2	14	144	75	5	93	89
06680 SAENTIS	4715N	00921E	2500		746.1	3006.2	-1.9	-2.9	3.4	-.9	15	415	244	6	158	84
06700 GENEVE-COINTRIN	4615N	00608E	416		965.6	1015.1	8.8	-1.1	9.3	-.4	16	175	102	6	94	82
06770 LUGANO	4600N	00858E	276		981.6	1014.4	11.8	-.1	9.5	-1.2	12	121	-25	3	151	99
FRANCE																
07005 ABBEVILLE	5008N	00150E	77		1003.9	1013.3	8.6		9.5		13	51			127	105
07015 LILLE	5034N	00306E	52		1007.5	1013.3	8.5		9.2		9	46			120	100
07020 LA HAGUE	4943N	00156E	9		1011.2	1013.0	12.9		11.9		11	82				
07027 CAEN	4911N	00027W	78		1004.9	1013.1	9.9	-1.6	10.2		16	86	19	4	112	88
07037 ROUEN	4923N	00111E	157		994.8	1013.2	8.7		9.7		14	99			118	110
07070 REIMS	4918N	00402E	99		1002.2	1013.4	8.3		9.2		8	44			121	110
07110 BREST	4827N	00425W	99		1001.9	1013.4	11.0	-1.2	11.4		15	85	-25	3	104	85
07117 PLOUMANACH	4850N	00328W	71		1006.1	1013.2	12.3		11.8		17	77				
07130 RENNES	4804N	00144W	37		1007.7	1013.0	11.2		10.9		12	95			110	90
07139 ALENCON	4827N	00007E	144		995.6	1013.1	9.1		9.9		13	63			109	100
07149 PARIS-ORLY	4844N	00224E	96		1002.2	1013.1	9.6		10.0		11	65				
07190 STRASBOURG	4833N	00738E	154		995.4	1014.0	8.1	-2.0	9.0		12	80	37	5	124	123
07207 LE TALUT	4718N	00313W	43		1007.9	1013.1	12.5		11.7		10	73				
07222 NANTES	4710N	00136W	27		1009.6	1012.8	10.9	-1.8	10.8		10	92	13	4	116	83
07255 BOURGES	4704N	00222E	166		993.2	1013.2	9.9	-1.8	10.6		13	99	40	5	129	97
07280 DIJON	4716N	00505E	227		986.6	1013.7	8.8	-2.1	9.8		13	122	65	5	134	111
07299 BALE-MILHOUSE	4736N	00731E	271		981.5	1014.3	7.4		8.9		14	115			130	120
07314 CHASSIRON	4602N	00125W	22		1010.1	1012.8	13.6		13.1		11	93				
07335 POITIERS	4635N	00019E	129		998.6	1013.1	10.4		11.0		14	135			102	80
07434 LIMOGES	4552N	00111E	402		965.5	1013.2	10.1		11.1		14	136			120	95
07460 CLERMONT-FERRAND	4547N	00310E	332		974.4	1013.2	10.4		10.3		11	48			124	100
07471 LE BUY	4505N	00346E	833		917.2		7.3		9.1		13	56			100	85
07481 LYON/SATOLAS	4544N	00505E	248		985.3	1013.8	10.7		10.1		13	135			120	105
07510 BORDEAUX/MERIGNAC	4450N	00042W	61		1006.6	1013.1	12.9		12.3		14	155	68	5	129	95
07535 GOURDON	4445N	00124E	264		982.4	1013.5	11.1		11.1		14	116			123	90
07560 MONT AIGOUAL	4407N	00335E	1567		838.8		3.9		7.5		17	222		6		
07591 EMBRUN	4434N	00630E	876		912.1		9.0		7.5		12	183			159	90
07607 MONT-DE-MARSAN	4355N	00030W	63		1006.4	1013.5	12.8		12.8		15	144			115	85
07630 TOULOUSE/BLAGNAC	4338N	00122E	153		994.8	1013.5	13.3		12.0		12	52	1	3	150	105
07643 MONTPELLIER	4335N	00358E	6		1012.1	1013.1	14.7		12.2		6	69			170	100
07661 CAP CEPET	4305N	00556E	136		996.2	1012.3	14.9		12.7		8	63				
07690 NICE	4339N	00712E	10		1008.3	1011.5	15.6		12.2		10	90	-18	3	176	100
07747 PERPIGNAN	4244N	00252E	48		1007.4	1013.0	15.5		12.3		8	139	50	5	142	85
07761 AJACCIO	4155N	00848E	9		1011.4	1012.5	16.6		14.5		13	127	40	4	157	80
07790 BASTIA	4233N	00929E	12		1010.8	1012.2	16.8		13.2		6	58			141	80
SPAIN																
08001 LA CORUNA	4322N	00825W	67		1004.8	1012.9	15.0	-.7	13.4	-.8	16	125	21	4	150	97
08015 OVIEDO	4321N	00552W	339		972.7	1012.5	13.0	-1.1	12.5	.1	17	141	48	5	95	70
08023 SANTANDER	4328N	00348W	59		1006.2	1013.2	15.3	-.8	13.7	-.1	18	207	80	4	102	77

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OCTOBER 2003

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUNSHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O'	O'	m		mb	mb	O _c	O _c	mb	mb		mm	mm	hr		
08027 SAN SEBASTIAN/IGUELDO	4318N	00203W	259		982.4	1012.9	13.9	-1.3	12.7	-.5	19	214	74	4	97	72
08045 VIGO/PEINADOR	4213N	00838W	255		983.6	1013.9	14.4	-.5	13.4	-.5	15	227	24	4	148	95
08075 BURGOS/VILLAFRIA	4222N	00338W	891		912.0	1474 Y	10.7	-.4	10.4	-.1	14	122	77	5	122	76
08084 LOGRONO/AGONCILLO	4227N	00220W	363		971.1	1013.7	13.6	-.8	12.3	.6	12	82	54	6	124	72
08141 VALLADOLID	4139N	00446W	739		928.2	1012.6	11.8	-1.2	10.7	.6	12	135	100	6	155	84
08160 ZARAGOZA/AEROPUERTO	4140N	00101W	258		982.9	1013.1	15.2	-.2	12.7	.2	9	55	26	5	171	88
08181 BARCELONA/AEROPUERTO	4117N	00204E	6		1012.6	1013.1	17.2	.1	15.4	.3	12	167	74	5	158	87
08184 GERONA/COSTA BRAVA	4154N	00246E	129		997.8	1013.0	14.6	-.8	12.7	-1.1	12	204	125	5	127	75
08202 SALAMANCA/MATACAN	4057N	00530W	795		923.0	1013.9	11.6	-.7	11.4	.4	12	82	46	5	142	76
08221 MADRID/BARAJAS	4027N	00333W	582		946.1	1013.1	13.6	-.9	11.0	-.1	16	139	102	5	166	82
08238 TORTOSA	4049N	00030E	50		1006.5	1012.3	17.6	-.8	14.0	-.8	11	53	-39	3	157	82
08261 CACERES	3928N	00620W	405		967.6	1014.5	15.9	-1.3	12.6	1.2	12	133	82	5	189	90
08280 ALBACETE/LOS LLANOS	3857N	00151W	704		933.9	1014.0	14.6	.5	12.4	.8	13	60	20	4	142	70
08284 VALENCIA/AEROPUERTO	3930N	00028W	62		1005.5	1012.8	19.0	.8	15.0	.3	7	64	-22	3	145	73
08306 PALMA DE MALLORCA/SON SAN JU	3933N	00244E	8		1012.1	1012.7	18.8	1.2	17.3	.7	7	94	32	4	166	80
08314 MENORCA/MAHON	3952N	00414E	82		1002.5	1012.5	19.2	.7	16.9	.5	8	185	102	5	148	77
08330 BADAJOZ/TALAVERA LA REAL	3853N	00649W	192		991.1	1012.7	17.3	-.1	14.3	.8	11	129	72	5	185	87
08348 CIUDAD REAL	3859N	00355W	629		942.1	1014.0	15.1	.3	12.8	.7	15	124	82	6	147	74
08359 ALICANTE	3822N	00030W	82		1003.7	1013.3	19.8	.6	16.4	.9	8	48	-18	3	165	74
08373 IBIZA/ES CODOLA	3852N	00123E	12		1010.9	1013.0	19.9	.2	17.5	.2	10	62	-4	3	153	74
08391 SEVILLA/SAN PABLO	3725N	00554W	31		1009.1	1012.7	19.8		16.7		16	215		6	154	70
08410 CORDOBA/AEROPUERTO	3751N	00451W	92		1003.6	1014.4	18.8	.3	16.4	2.2	16	180	112	5	153	76
08433 MURCIA/SAN JAVIER	3747N	00048W	3		1012.7	1013.0	19.9	1.2	17.5	.9	6	52	-7	4	170	90
08451 JEREZ DE LA FRONTERA AERO.	3645N	00604W	28		1010.9	1014.1	19.3	.1	17.5	2.0	17	161	100	5	162	72
08482 MALAGA/AEROPUERTO	3640N	00429W	7		1012.9	1013.7	19.5	.4	17.2	1.7	15	220	166	6	134	63
08487 ALMERIA/AEROPUERTO	3651N	00223W	21		1010.2	1012.6	20.7	.8	16.5	.2	4	24	-4	3	156	71
GIBRALTAR																
08495 GIBRALTAR	3609N	00521W	5		1013.4	1014.0	19.6				16	192		5	129	60
PORTUGAL																
08506 HORTA (ACORES)	3831N	02838W	62		1015.7	1023.2	18.5	-.4	15.0	-2.5	6	22	-78	0	192	133
08535 LISBOA/GEOF	3843N	00909W	95		1001.0	1012.2	17.6	-.9	15.7	.4	14	180	100	5	192	90
08546 PORTO/SERRA DO PILAR	4108N	00836W	100		1001.0	1012.9	15.2	-1.0	13.9	-.8	15	205	74	5	172	93
08558 EVORA/C. COORD	3832N	00754W	246		984.3	1013.7	16.1		14.1		13	141			187	
08575 BRAGANCA	4148N	00644W	692		934.0	1014.7	11.1	-2.0	10.8	-.1	13	218	148	6	162	88
GERMANY																
10035 SCHLESWIG	5432N	00933E	48		1006.7	1012.6	6.1	-3.3	8.2	-2.2	12	106	16	4	150	155
10055 WESTERMARKELSDORF	5432N	01104E	9		1011.3	1012.3	8.1		8.7		11	43			151	140
10091 ARKONA	5441N	01326E	42		1006.6	1011.8	7.9		8.0		11	59			129	115
10147 HAMBURG-FUHLBUETTEL	5338N	00959E	15		1011.1	1012.9	6.0	-3.7	8.0	-2.4	12	47	-16	2	155	155
10161 BOLTENHAGEN	5400N	01112E	17		1010.4	1012.5	7.2		8.5		11	41			152	140
10162 SCHWERIN	5339N	01123E	68		1004.4	1012.7	6.3		8.1		9	40		3	152	145
10170 ROSTOCK-WARNEMUENDE	5411N	01205E	10		1010.6	1012.1	7.7	-2.2	8.5	-2.1	12	51	9	4	125	120
10184 GREIFSWALD	5406N	01324E	6		1011.4	1012.1	6.5		8.4		12	60		5	129	115
10200 EMDEN-FLUGPLATZ	5323N	00714E	5		1011.9	1012.5	6.5		8.4		10	67			158	160
10261 SEEHAUSEN	5254N	01144E	23		1009.8	1012.6	5.5		7.9		9	20			145	145
10270 NEURUPPIN	5254N	01249E	39		1007.5	1013.0	6.4		8.5		11	48		5	153	160

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb	mm	mm	hr	%		
10291	ANGERMUENDE	5302N	01400E	35	1005.9	1012.6	5.8		7.9		9	35			136	125
10338	HANNOVER	5228N	00941E	59	1006.4	1013.7	6.2	-3.5	8.4	-2.0	9	63	21	5	121	120
10361	MAGDEBURG	5208N	01136E	85	1003.3	1013.7	6.2		8.2		10	49		5	122	110
10379	POTSDAM	5223N	01304E	100	1001.2	1013.5	6.1	-3.3	8.3	-1.8	11	45	9	4	134	118
10384	BERLIN-TEMPELHOF	5228N	01324E	49	1007.1	1013.1	6.6		8.2		13	63			129	115
10385	BERLIN-SCHOENEFELD	5223N	01331E	50	1006.9	1013.1	6.1		7.9		10	36			128	
10393	LINDENBERG	5213N	01407E	104	1000.8	1013.5	6.2	-3.1	8.3	-1.5	9	38	-1	3	117	102
10410	ESSEN	5124N	00658E	161	994.1	1013.7	7.1	-3.6	8.8	-1.9	13	103	33	5	120	108
10453	BROCKEN	5148N	01037E	1153	879.1	1421 Y	.6		6.0		16	136			77	70
10460	ARTERN	5123N	01118E	166	994.1	1014.4	6.1		8.3		6	21			94	95
10469	LEIPZIG-SCHKEUDITZ	5125N	01214E	149	997.4	1014.0	6.3		7.8		6	29		3	110	100
10474	WITTENBERG	5153N	01239E	106	1000.3	1013.3	6.3		8.3		12	50			119	110
10480	OSCHATZ	5118N	01306E	152	995.3	1013.9	6.2		8.0		9	42			105	80
10488	DRESDEN-KLOTZSCHE	5108N	01345E	232	985.8	1014.1	6.2		7.8		9	35			101	75
10496	COTTBUS	5147N	01419E	70	1005.0	1013.5	6.2		8.1		7	34			114	95
10499	GOERLITZ	5110N	01457E	240	984.4	1013.4	5.7	-3.5	7.7	-1.9	10	43	-2	4	108	86
10548	MEININGEN	5034N	01023E	453	959.8	1014.3	5.3		7.5		10	52		3	115	115
10552	SCHMUECKE	5039N	01046E	948	903.1	1434 Y	1.8		6.8		16	130			92	90
10554	ERFURT-BINDERSLEBEN	5059N	01058E	322	975.1	1014.1	5.6		8.0		8	33			104	90
10557	NEUHAUS A.R.	5030N	01108E	268	913.9	1433 Y	2.5		6.9		14	87			89	
10567	GERA-LEUMNITZ	5053N	01208E	311	975.7	1013.4	5.7		7.8		10	47			103	85
10577	CHEMNITZ	5048N	01252E	420	963.4	1014.0	5.6		7.6		11	63			95	75
10578	FICHTELBERG	5026N	01257E	1215	873.7	1434 Y	.1	-4.4	6.0	-1.2	18	113	43	5	92	71
10609	TRIER-PETRISBERG	4945N	00640E	273	980.9	1013.9	7.3	-2.5	8.8	-1.5	11	73	8	3	103	100
10628	GEISENHEIM	4959N	00757E	123	999.3	1014.3	7.9	-2.1	8.3	-2.0	9	40	-2	3	116	120
10727	KARLSRUHE	4902N	00822E	145	965.4	1014.2	8.3	-2.1	8.7	-1.9	11	93	35	5	129	115
10738	STUTTGART- ECHTERDINGEN	4841N	00914E	391	967.6	1014.6	6.8		7.8		14	82		5	132	100
10763	NUERNBERG	4930N	01103E	318	976.4	1014.7	6.5	-2.5	7.9	-1.5	12	67	22	5	120	98
10870	MUENCHEN, FLUGHAFEN	4822N	01148E	447	961.0	1014.4	6.3	-1.9	8.3	-.8	10	90	41	5	126	106
10929	KONSTANZ	4741N	00911E	447	961.1	1014.4	7.1	-2.6	9.0	-1.3	13	115	61	5	104	105
10946	KEMPTEN	4743N	01020E	705	931.1	1014.4	4.8		7.7		14	178			105	70
10961	ZUGSPITZE	4725N	01059E	2962	703.1	2998 Z	-5.3	-3.2	3.1	-.6	12	302	193	6	164	87
10962	HOHENPEISSENBERG	4748N	01101E	986	899.8	1446 Y	4.3	-3.7	7.2	-1.3	10	135	64	5	113	75
AUSTRIA																
11028	ST. POELTEN	4811N	01537E	284	979.3	1013.7	6.2		8.1	-1.4	7	49	12	3	115	90
11035	WIEN/HOHE WARTE	4814N	01621E	209	989.2	1014.4	8.0		9.0	-.8	8	36	-5	2	125	91
11120	INNSBRUCK-FLUGHAFEN	4716N	01121E	593	944.4	1014.7	6.6		8.1		11	159		5	139	95
11146	SONNBLICK	4703N	01257E	3111	692.8	3021 Z	-6.3		2.7	-1.1	15	255	125	4	171	98
11150	SALZBURG-FLUGHAFEN	4748N	01300E	450	961.3	1015.2	6.1		7.7	-1.8	8	125	58	4	126	90
11155	FEUERKOGEL	4749N	01344E	1621	832.0	1447 Y	1.2		5.2		15	186		3	142	90
11212	VILLACHERALPE	4636N	01340E	2160	779.4	1467 Y	-1.4		4.9		12	172		4	166	105
11231	KLAGENFURT-FLUGHAFEN	4639N	01420E	476	958.9	1015.8	6.7		8.5	-.9	9	79	8	3	152	115
11240	GRAZ-THALERHOF-FLUGHAFEN	4700N	01526E	347	970.8	1014.4	7.6		8.7	-1.2	7	82	24	3	143	106
CZECH REPUBLIC																
11423	PRIMDA	4940N	01240E	748	926.2		3.2		7.3		14	68		4	94	80
11464	MILESOKVA	5033N	01356E	836	915.5		2.3		6.9		6	27		3	109	80
11487	KOCELOVICE	4928N	01350E	522	952.4	1014.9	4.8		7.4		8	46		4	94	80

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
11518 PRAHA/RUZYNE	5006N	01415E	380		970.6	1014.7	5.6	-2.7	7.4	-1.6	4	16	-14	2	122	102
11520 PRAHA-LIBUS	5000N	01427E	303		978.0	1014.8	6.1		7.6		5	18		2	120	105
11603 LIBEREC	5046N	01501E	399		966.0	1014.5	4.9		7.5		11	62		4	94	80
11659 PRIBYSLAV	4935N	01546E	536		950.9	1015.0	5.2		7.4		9	71		5	95	75
11723 BRNO/TURANY	4910N	01642E	246		985.0	1014.8	6.8	-2.3	8.3	-0.8	8	59	29	5	104	85
11782 OSTRAVA/MOSNOV	4941N	01807E	260		983.1	1014.6	6.4	-2.5	8.2	-1.0	13	88	46	5	93	79
SLOVAKIA																
11903 SLIAC	4839N	01909E	315		976.9	1015.0	6.0	-2.4	7.6	-1.3	10	68	18	5	113	94
11934 POPRAD/TATRY	4904N	02015E	695		932.1		4.1	-2.6	6.9	-0.7	7	30	-8	4	130	82
POLAND																
12120 LEBA	5445N	01732E	2		1010.4	1011.1	6.8		8.0		16	98		5	106	
12160 ELBLAG	5410N	01926E	43		1006.1	1012.2	5.8		8.0		15	131		5	98	100
12205 SZCZECIN	5324N	01437E	3		1011.7	1012.6	6.2	-3.0	8.1	-2.0	9	35	-3	3	132	145
12295 BIALYSTOK	5306N	02310E	151		993.1	1011.7	4.9	-2.3	7.8	-1.2	11	64	18	4	64	65
12330 POZNAN	5225N	01650E	92		1002.2	1013.1	5.5	-3.3	7.7	-1.9	9	35	-4	3	91	89
12375 WARSZAWA-OKECIE	5210N	02058E	107		999.6	1012.7	5.4	-2.8	7.8	-1.6	12	63	26	5	110	95
12424 WROCLAW II	5106N	01653E	121		998.7	1014.0	5.9	-3.0	7.9	-1.9	9	47	7	4	101	94
12497 WLODAWA	5133N	02332E	179		990.8	1012.9	5.3		8.0		14	48		4	81	75
12566 KRAKOW	5005N	01948E	237		985.2	1014.4	5.9	-2.4	8.0	-1.4	12	45	-1	3	85	83
HUNGARY																
12843 BUDAPEST/LORINC	4726N	01911E	139		997.7	1014.7	8.5	-2.5	8.9	-1.1	10	96	63	5	135	87
12882 DEBRECEN	4729N	02136E	109		1001.6	1014.8	8.2	-2.1	9.0	-0.9	9	100	69	5	132	83
12942 PECS/POGANY	4606N	01814E	203		990.7	1015.4	8.8	-2.5	8.3	-1.7	10	100	63	5	133	81
12982 SZEGED	4615N	02006E	83		1005.1	1015.2	8.8	-2.2	9.6	-0.2	9	83	57	5	131	78
SLOVENIA																
14008 KREDARICA	4623N	01351E	2515		745.2	3010 Z	-2.5		4.0		12	261		4	148	95
14015 LJUBLJANA/BEZIGRAD	4604N	01431E	298		979.5	1015.2	8.8		9.0		10	178		5	117	100
CROATIA																
14236 ZAGREB/GRIC	4549N	01559E	162		995.1	1014.7	10.0		9.8		3	103		5	121	90
14445 SPLIT/MARJAN	4331N	01626E	128		998.2	1013.3	15.7		10.9		10	160		4	160	80
BOSNIA AND HERZGOVINA																
14654 SARAJEVO/BEJELAVE	4352N	01826E	638		941.2	1015.8	9.4	-1.0	8.9	-0.4	18	211	134	5	112	76
YUGOSLAVIA																
13274 BEOGRAD	4448N	02028E	132		999.5	1015.4	10.8	-1.6	9.8	-0.4	15	115	75	5	131	78
13463 PODGORICA-GRAD	4226N	01917E	50		1008.9	1014.9	16.1		12.9		15	310		5	148	70
ROMANIA																
15085 BISTRITA	4708N	02430E	367		970.7	1014.9	7.2	-0.8	8.6	-0.3	13	85	44	5	103	62
15090 IASI	4710N	02738E	104		1002.2	1014.9	8.9	-1.1	8.5	-1.2	7	75	50	5	140	90
15120 CLUJ-NAPOCA	4647N	02334E	413		965.8	1015.3	7.1	-1.4	8.1	-1.1	11	58	27	5	120	72
15247 TIMISOARA	4546N	02115E	88				9.0	-2.0	9.4	-0.9		113	74	5	116	66
15260 SIBIU	4548N	02409E	444		961.9	1017.2	7.5	-1.4	8.3	-0.9	13	86	44	5	101	63

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb	mm	mm	mm	mm	hr	
15360 SULINA	4509N	02940E	9		1014.1	1014.8	12.5	- .6	12.3	-.5	1	15	-1	3	157	95
15420 BUCURESTI/IMH	4430N	02608E	91		1003.6	1014.4	8.8	-2.0	9.7	-.6	12	117	85	5	123	69
15480 CONSTANTIA	4413N	02838E	14		1014.7	1016.3	12.3	-.8	12.8	.3	9	64	33	5	142	78
BULGARIA																
15552 VARNA	4312N	02755E	43		1009.9	1015.1	13.0	-.4	12.3	.4	11	93	57	5	158	97
15614 SOFIA (OBSERV.)	4239N	02323E	595		946.0	1015.5	10.2	-.5	9.7	.7	14	118	83	5	136	80
ITALY																
16045 UDINE/RIVOLTO	4559N	01302E	53		1007.6	1013.9	11.8		10.4		10	81	-43	2	94	72
16090 VERONA/VILLAFRANCA	4523N	01052E	68		1005.4	1013.7	11.8		11.5		9	79	-2	3	138	100
16158 PISA/S. GIUSTO	4341N	01023E	6		1012.2	1013.1	15.6		12.9		11	87	-33	3	147	84
16420 MESSINA	3812N	01533E	51		1008.0	1014.3	21.2		20.2		9	85	-23	3	172	91
16429 TRAPANI/BIRGI	3755N	01230E	14		1013.1	1014.2	20.5		20.5		8	75	15	4	144	69
MALTA																
16597 LUQA	3551N	01429E	91		1006.7	1015.1	22.1	1.4	20.9	2.7	4	37	-52	1	187	80
GREECE																
16622 THESSALONIKI/MIKRA	4031N	02258E	4		1014.9	1015.4	17.3	1.2	13.5	.6	9	67	27	4	132	80
16641 KERKYRA (AIRPORT)	3937N	01955E	4		1013.6	1014.1	19.2	.8	17.2	1.6	10	249	101	5	164	87
16648 LARISSA (AIRPORT)	3938N	02225E	74		1005.8	1014.9	17.3	1.2	13.6	1.1	8	86	39	5	148	87
16716 ATHINAI (AIRPORT)	3754N	02344E	15		1013.4	1015.1	20.9	1.6	16.0	1.9	2	24	-23	3	177	86
16726 KALAMATA (AIRPORT)	3704N	02201E	8		1014.2	1015.6	19.4	.6	17.3	2.2	7	76	-23	2	184	90
16746 SOUDA (AIRPORT)	3529N	02407E	151		997.6	1015.3	22.2	3.2	16.1	.9	1	1	-79		213	110
16754 HERAKLION (AIRPORT)	3520N	02511E	39		1010.7	1015.2	22.8	2.9	15.5	.0	01	1	-67	1	212	108
TURKEY																
17022 ZONGULDAK	4127N	03148E	137		999.6	1015.8	15.9	1.1	13.0	.9	14	149	10	3	142	85
17030 SAMSUN	4117N	03618E	4		1015.2	1015.7	17.5	1.9	13.7	.0	16	195	111	5	127	90
17034 GIRESUN	4055N	03823E	37		1010.4	1014.9	17.8	1.9	14.5	.6	15	286	127	5		
17040 RIZE	4102N	04031E	9		1013.4	1014.4	17.4	2.0	16.3	2.1	17	448	176	5	88	85
17050 EDIRNE	4140N	02634E	51		1009.3	1015.4	14.1	.3	12.3	1.0	10	106	62	5	135	75
17062 ISTANBUL/GOZTEPE	4058N	02905E	33		1011.4	1015.4	16.3	1.0	14.6	1.2	10	87	17	3	158	90
17074 KASTAMONU	4122N	03347E	800		923.9	1015.7	12.3	2.1	9.5	.5	6	31	-8	3	172	95
17084 CORUM	4033N	03457E	776		926.7	1015.5	13.1	1.7	9.5	1.0	7	31	1	3	166	90
17090 SIVAS	3945N	03701E	1285		872.7	1015.2	12.2	1.8	9.2	1.5	8	67	35	5	177	85
17092 ERZINCAN	3945N	03930E	1218		880.3	1014.8	13.8	2.3	11.1	2.8	9	46	5	3	157	75
17096 ERZURUM	3957N	04110E	1758		824.7	1015.4	8.8	.8	6.5	-.2	9	90	45	5	151	70
17098 KARS	4037N	04306E	1775		823.2	1014.8	9.7	3.0	8.0	1.4	9	113	75	6	167	80
17112 CANAKKALE	4008N	02624E	6		1014.8	1015.5	16.9	1.3	15.1	1.6	7	88	41	5	171	80
17116 BURSA	4011N	02904E	100		1003.5	1015.4	16.6	1.6	12.3	.1	10	125	67	6	132	70
17130 ANKARA/CENTRAL	3957N	03253E	891		914.0	1014.5	14.4	1.8	10.1	1.7	5	30	4	4	198	90
17170 VAN	3827N	04319E	1662		834.1	1013.2	12.9	2.8	10.7	3.5	6	24	-24	2	219	95
17188 USAK	3841N	02924E	919		911.1	1014.9	14.0	1.0	9.5	-.1	8	99	63	6		
17190 AFYON	3845N	03032E	1034		899.3	1015.2	14.0	2.2	9.4	1.0	6	68	31	5	192	90
17199 MALATYA/BOLGE	3821N	03819E	948		909.0	1014.6	17.2		10.5		5	38		3	231	105
17210 SIIRT	3755N	04157E	896		916.1	1015.5	19.5	1.9	10.7	2.0	5	41	-11	3	214	95
17220 IZMIR/GUZELYALT	3826N	02710E	29		1011.4	1014.8	20.4	2.0	15.6	2.1	4	67	27	4	224	95

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O'	O'	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
17240 ISPARTA	3745N	03033E	997		903.8	1015.6	14.2	1.7	10.8	2.1	5	52	16	4	227	100
17244 KONYA	3758N	03233E	1031		900.0	1015.3	14.4	2.4	8.2	-4	3	10	-21	1	229	105
17250 NIGDE	3758N	03441E	1210		881.2	1015.3	13.5	2.0	9.1	1.5	5	33	10	4	219	95
17255 KAHRAMANMARAS	3736N	03656E	572		948.0	1012.5	20.3	1.7	14.7	3.9	5	39	-9	3	221	100
17270 SANLIURFA	3708N	03846E	549		950.1	1011.6	21.5	1.8	12.9	3.1	2	23	-9	4	223	85
17280 DIYARBAKIR	3753N	04012E	677		936.7	1012.5	19.0	2.0	8.2	-1.5	3	33	-1	4	235	100
17285 HAKKARI	3734N	04346E	1728		829.2	1010.7	17.5	5.0	10.6	3.3	7	108	38	4	214	95
17292 MUGLA	3713N	02822E	646		941.3	1014.9	16.9	1.2	11.9	1.2	4	141	70	5	233	100
17300 ANTALYA	3642N	03044E	54		1006.2	1012.2	20.8	1.1	15.9	1.8	2	22	-48	1	234	90
17340 MERSIN	3648N	03438E	3		1013.2	1013.6	22.8	2.7	19.8	3.5	2	5	-35	1	242	100
17351 ADANA/BOLGE	3659N	03521E	27		1010.8	1014.0	22.4		18.2		2	17		1	213	90
CYPRUS																
17609 LARNACA AIRPORT	3453N	03338E	2		1013.9	1014.2	22.3	1.0	17.2		1	9	-10		278	103
RUSSIAN FEDERATION (EUROPE)																
22113 MURMANSK	6858N	03303E	51		998.0	1004.3	1.6	.7	6.1	.5	21	97	54	5	27	
22165 KANIN NOS	6839N	04318E	49		997.7	1003.6	3.0	1.6	6.6	.7	17	63	8	4	15	
22550 ARHANGEL'SK	6430N	04044E	8		1005.3	1006.3	3.5	2.0	7.5	1.2	20	100	41	5	37	
22602 REBOLY	6350N	03049E	182		983.9	1006.3	2.2	.1	5.4	-1.0	11	108	52	5	35	
22837 VITEGRA	6101N	03627E	56		1000.9	1007.8	4.3	.6	7.6	.6	16	110	30	5		
ESTONIA																
26038 TALLINN	5923N	02435E	34		1003.5	1008.1	4.8	-1.5	7.4	-.9	12	59	-11	3	67	73
RUSSIAN FEDERATION (EUROPE)																
26063 ST. PETERBURG	5958N	03018E	6		1006.8	1007.6	5.1	-.6	8.1	.2	15	147	80	0	051	73
ESTONIA																
26214 VILSANDI	5823N	02149E	6		1007.7	1008.7	6.9	-1.5	7.9	-1.3	8	30	-37	1	119	118
26242 TARTU	5818N	02644E	68		999.8	1008.4	4.2	-1.5	7.6	-.5	9	49	-4	2	66	77
RUSSIAN FEDERATION (EUROPE)																
26477 VELIKIE LUKI	5621N	03037E	106		995.8	1008.5	4.8	-.5	7.5	-.4	14	94	48		34	38
LITHUANIA																
26509 KLAJPEDA	5544N	02104E	7		1008.8	1009.9	6.6	-2.4	7.8	-1.9	19	142	62	5	96	96
26524 SIAULIAI	5556N	02319E	107		996.6	1009.8	4.6	-2.4	7.6	-1.1	12	78	25	5	93	93
26629 KAUNAS	5453N	02350E	77		1001.0	1010.6	4.7	-2.4	7.9	-1.0	14	90	45	7	79	80
26730 VILNIUS	5438N	02506E	156		991.4	1010.5	4.2	-2.4	7.7	-.7	15	69	16		47	50
BELARUS																
26850 MINSK	5356N	02738E	231		983.3	1010.6	4.6	-1.7	7.6	-.6	16	77	28	5	53	54
RUSSIAN FEDERATION (EUROPE)																
27037 VOLOGDA	5919N	03955E	130		994.2	1010.2	4.1	1.1	7.4	.6	8	33	-17	1	66	106
27595 KAZAN'	5536N	04917E	116		1002.5	1017.2	6.4	2.8	7.0	.5	6	42	-6	3	76	90
27612 MOSKVA	5550N	03737E	156		992.4	1011.5	5.6	.5	8.2	.9	11	53	-6			

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
UKRAINE																
33345	KYIV	5024N	03034E	167	993.4	1013.8	6.8	-1.3	8.7	.0	11	0110	0075	6		
33393	L'VIV	4949N	02357E	323	975.6	1014.7	5.4	-2.6	7.7	-1.1	17	88	41	6	77	52
33506	POLTAVA	4936N	03433E	160	995.1	1014.6	7.6	.0	8.7	.5	15	132	90	6		
33562	VINNYTSIA	4914N	02836E	298	978.2		5.9	-1.7	8.4	-1.1	10	81	48	5	87	66
33587	UMAN'	4846N	03014E	216	988.7	1015.0	6.6	-1.0	8.6	.0	12	125	92	6		
33631	UZHGOROD	4838N	02216E	124	1000.5	1014.8	7.8	-2.4	8.6	-.7	12	113	63	5	85	56
33658	CHERNIVTSI	4822N	02554E	246	984.8	1014.6	7.0	-1.6	8.3	-.5	11	50	17	4	94	67
REPUBLIC OF MOLDOVA																
33815	KISINEV	4701N	02859E	173	993.1	1014.8	9.2	-1.0	8.9	-.2	7	62	35	5	155	92
UKRAINE																
33837	ODESA	4626N	03046E	42	1010.1	1015.2	10.6	-.6	10.8	.6	6	65	39	5	178	105
33846	MIKOLAIV	4702N	03157E	50	1009.1	1015.1	9.9	-.4	10.0	.6	9	81	60	5		
33889	IZMAIL	4522N	02851E	30	1011.4	1015.1	10.7	-.3	9.9	-.2	9	35	10	4	140	75
33910	HENICHES'K	4610N	03449E	15	1013.4	1015.3	11.9	1.1	10.9	.2	6	15	-10	3	138	85
33915	ASKANIA-NOVA	4627N	03353E	30	1011.7	1015.3	10.6	.9	9.8	.6	6	19	-7	3	183	102
33946	SIMFEROPOL'	4441N	03408E	181	993.5	1015.2	11.4	.6	10.5	.7	9	45	13	5	146	72
33983	KERCH	4524N	03625E	49	1009.5	1015.4	12.7	1.3	11.8	1.2	8	37	10	6	131	71
33990	YALTA	4529N	03410E	72	1006.8	1015.1	14.1	.5	12.0	1.0	13	58	20	5	117	70
RUSSIAN FEDERATION (EUROPE)																
34123	VORONEZ	5142N	03913E	149	996.9	1015.1	6.8		8.1		10	60		4		
34172	SARATOV	5134N	04602E	156	992.7	1017.3	6.1	.6	7.7	.8	13	81	47	6	115	100
UKRAINE																
34300	KHARKIV	4958N	03608E	155	996.4		7.6	.3	8.3	.2	8	81	46	6	130	105
KAZAKHSTAN																
34398	ZHALPAKTAL	4940N	04929E	10	1017.6	1018.9	9.3	3.1	6.6	-.1	7	61	36			
UKRAINE																
34519	DONETS'K	4804N	03746E	225	988.9	1016.3	8.5	.7	6.3		10	40	13	5		
RUSSIAN FEDERATION (EUROPE)																
34880	ASTRAHAN'	4617N	04803E	-23	1020.2	1017.6	12.2	3.0	10.8	2.3	6	29	12	5		
ARMENIA																
37789	YEREVAN	4008N	04428E	907	890.4	1505 Y	16.4	3.2	11.6	2.4	6	54	28	5	198	93
AZERBAIJAN																
37860	MASHTAGA	4032N	05000E	28	1014.7	1018.1	17.9	3.5	16.3	2.5	1	19	-8		158	110
UZBEKISTAN																
38178	AK-BAJTAL	4309N	06420E	234	991.5	1019.3	14.4	3.9	6.3	.2	0	T	-7	1	246	100
SYRIAN ARAB REPUBLIC																
40001	KAMISHLI	3703N	04113E	455		1010.9	23.2	2.3	9.6	.3	2	7	-14			

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb	mm	mm	hr	%		
40007 ALEPPO INT. AIRPORT	3611N	03712E	384		967.8	1013.2	20.8	1.4	12.0	.2	5	31	9			
40030 HAMA	3507N	03645E	303		978.2	1013.1	22.1	2.8	13.7	2.1	3	10	-11			
40045 DEIR EZZOR	3519N	04009E	212		989.0	1013.1	23.3	2.4	13.2	3.0	1	2	-6			100
40061 PALMYRA	3433N	03818E	404		966.6	1011.6	22.0	1.5	11.7	1.1	2	14	4		274	104
40080 DAMASCUS INT. AIRPORT	3325N	03631E	609		945.8	1013.4	20.6	2.5	10.8	1.2					277	104
ISRAEL																
40180 BEN-GURION INT. AIRPORT	3200N	03454E	49		1008.9	1014.3	23.9		17.8		0	0		1		
40199 EILAT	2933N	03457E	12		1012.7	1013.0	27.5	.9	14.1		0	0	-3	3	281	90
JORDAN																
40310 MA'AN	3010N	03547E	1070		895.5	1516 Y	20.8	1.3	12.6	3.0	0	0	-3	0	263	90
ASIA																
RUSSIAN FEDERATION (IN ASIA)																
20069 OSTROV VIZE	7930N	07659E	10		1012.8	1014.1	-13.6	-1.4	2.0	-.5	4	15	-7	2	7	
20292 GMO IM.E.K. FEDOROVA	7743N	10418E	15		1010.1	1012.1	-12.2	.9	2.3	.1	5	10	-14	0	23	
20674 OSTROV DIKSON	7330N	08024E	47		1006.9	1012.9	-8.2	.1	3.3	.1	6	17	-13	1	32	
20891 HATANGA	7159N	10228E	33		1008.8	1013.1	-11.2	1.1	2.5	.1	14	66	39	6	41	
23205 NAR' JAN-MAR	6738N	05302E	12		1005.0	1006.5	-1.2	.9	6.4	1.4	14	44	1	2	28	
23330 SALEHARD	6632N	06640E	16		1009.3	1011.5	-2.2	2.7	5.1	1.1	14	41	2		56	
23472 TURUHANSK	6547N	08756E	38		1011.2	1016.1	-4.0	2.2	4.0	.3	14	64	-1	2	61	
23552 TARKO-SALE	6455N	07749E	27		1011.4	1014.8	-1.5	4.1	5.1	1.2	12	42	-6	0	43	
23724 NJAKSIMVOL'	6226N	06052E	51		1007.9	1014.4	2.2	4.0	5.6	.9	3	9	-41			
23804 SYKTYVVKAR	6143N	05050E	119		997.4	1012.1	3.9	3.4	6.5	.8	7	26	-30	1	49	100
23884 BOR	6136N	09001E	58		1011.8	1019.2	-1.4	1.6	4.8	.5	14	50	-9	2	66	120
23933 HANTY-MANSIJSK	6101N	06902E	46		1011.8	1017.7	2.4	3.8	5.9	.9	6	16	-35		141	178
24125 OLENEK	6830N	11226E	220		984.5	1012.9	-10.2	1.4	2.4	-.1	14	29	1		40	
24143 DZARDZAN	6844N	12400E	39		1008.0	1013.1	-12.2	-.5	2.4	-.1	20	61	21			
24266 VERHOJANSK	6733N	13323E	137		996.4	1014.6	-14.8	.1	2.2	.3	5	12	-1		72	
24507 TURA	6416N	10014E	168		993.4	1017.3	-6.2	1.1	3.1	-.1	13	44	14	5	61	
24641 VILJUJSK	6346N	12137E	111		1000.2	1014.5	-6.8	1.1	3.2	.3	11	36	12		47	
24688 OJMJAKON	6315N	14309E	741		922.8	1015.8	-11.3	4.8	2.3	.4	3	9	-7		97	
24738 SUNTAR	6209N	11739E	133		997.4	1015.5	-5.7	.6	3.6	.4	9	25	6		84	
24817 ERBOGACEN	6116N	10801E	291		980.2	1017.1	-5.0	.9	3.3	-.1	11	35	6			
24959 JAKUTSK	6201N	12943E	101		1002.1	1015.1	-7.1	1.4	2.9	.1	4	12	-7		96	
25173 MYS SHMIDTA	6854N	17922W	4		1014.1	1014.6	-5.7	3.3	3.6	.7	8	20	-22			
25399 MYS UELEN	6610N	16950W	3		1009.3	1009.6	.2	2.5	5.5	.9	13	57	6		33	
25400 ZYRJANKA	6544N	15054E	43		1008.2	1013.7	-7.4	3.7	3.3	.8	6	19	-1		57	
25563 ANADYR'	6447N	17734E	61		1006.9	1014.6	-3.4	2.9	4.3	.8	4	21	0		129	
25703 SEJMCCHAN	6255N	15225E	205		986.7	1013.3	-3.9	7.3	3.8	1.5	6	25	3	4	82	
25954 KORF	6021N	16600E	4		1014.1	1014.6	3.1	3.9	5.9	1.2	7	43	-6	3	132	113
28224 PERM'	5801N	05618E	171		997.2	1018.3	5.5		7.0		9	40			75	
28275 TOBOL'SK	5809N	06815E	50		1014.3	1020.3	3.1	2.7	5.5	.2	5	33	-8	3	129	140
28440 EKATERINBURG	5650N	06038E	283		986.1	1020.5	5.1	3.7	6.1	.7	4	24	-15	2		
KAZAKHSTAN																

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb	mm	mm	mm	mm	hr	
28679 PETROPAVLOVSK	5450N	06909E	142		1006.5	1024.3	4.2	2.4	5.4	-.1	5	35	2	5	121	113
RUSSIAN FEDERATION (IN ASIA)																
28698 OMSK	5501N	07323E	122		1008.6	1023.9	3.8	2.1	5.3	-.1	5	20	-13		150	143
KAZAKHSTAN																
28766 BLACOVESSENSKA	5422N	06658E	151		1004.9	1023.7	3.2		5.0		7	34		4		
28879 KOKSHETAY	5317N	06923E	229		996.3	1024.8	4.0	1.5	5.0	-.9	3	13	-9	2		
28952 KUSTANAI	5313N	06337E	156		1005.4	1024.3	4.4	1.3	6.4	.8	8	42	14			
28966 RUZAEVKA	5249N	06658E	227		996.2	1024.5	3.0		4.6		7	35				
RUSSIAN FEDERATION (IN ASIA)																
29231 KOLPASEVO	5819N	08257E	75		1011.7	1021.3	1.7	2.3	5.5	.5	12	47	1		121	153
29263 ENISEJSK	5827N	09209E	79		1011.8	1022.2	.3	1.2	5.0	.4	10	44	-1	3	82	109
29282 BOGUCANY	5823N	09727E	133		1004.1	1021.0	.4	1.6	4.5	.2	9	19	-5	2	75	95
29570 KRASNOJARSK OPYTNOE POLE	5602N	09245E	276		989.2	1023.6	1.9		5.2		10	43		3		
KAZAKHSTAN																
29807 IRTYSHSK	5321N	07527E	94		1013.4	1025.1	4.0	1.4	4.9	-.7	6	11	-17			
RUSSIAN FEDERATION (IN ASIA)																
29838 BARNAUL	5326N	08331E	184		1002.3	1025.4	3.4	.9	5.4	-.2	7	22	-29		155	142
29866 MINUSINSK	5342N	09142E	254		993.8	1025.6	1.9	.2	5.2	.0	8	34	8	4	109	104
30230 KIRENSK	5746N	10804E	259		987.5	1020.2	-2.0	1.1	4.2	.3	15	49	24		57	64
30309 BRATSK	5617N	10145E	416		970.8	1021.7	.1	.5	4.8	.1	12	38	16		71	66
30469 KALAKAN	5507N	11646E	613		941.3	1016.7	-3.4	3.0	3.8	1.0	5	35	18	5	138	85
30554 BAGDARIN	5428N	11335E	903		910.0	1018.9	-3.2	2.0	3.4	.6	2	21	12	1		
30635 UST'-BARGUZIN	5325N	10901E	461		964.9	1021.3	1.8	1.4	5.6	1.1	9	52	27	5		
30673 MOGOCA	5345N	11944E	625		939.8	1016.1	-1.6	2.6	4.2	1.1	4	26	12	5	153	85
30710 IRKUTSK	5216N	10419E	469		966.6	1024.2	1.8	.9	5.0	.1	4	12	-17		152	100
30758 CHITA	5205N	11329E	671		937.9	1019.0	.9	2.6	4.0	.5	3	12	2	4	145	76
31004 ALDAN	5837N	12522E	79			1016.8	-6.1	.6	3.2	.2	11	79	18		44	47
31088 OHOTSK	5922N	14312E	6		1008.3	1009.0	1.3	3.5	5.7	1.9	9	131	80	5	149	95
31168 AJAN	5627N	13809E	8		1009.5	1010.6	1.9	1.7	5.0	1.1	8	106	30		136	90
31253 BOMNAK	5443N	12856E	357		968.3	1013.8	-1.0	2.1	3.8	.4	7	60	24	2	135	87
31369 NIKOLAEVSK-NA-AMURE	5309N	14042E	68		1001.5	1010.0	2.9	1.4	6.5	1.1	15	122	43			
31416 IM POLINY OSIPENKO	5225N	13630E	73		1002.0	1011.0	2.3	1.7	5.7	1.1	9	45	5		143	86
31510 BLAGOVESSENSK	5015N	12734E	132		997.1	1013.3	3.7	1.4	4.7	.2	4	13	-8			
31735 HABAROVSK	4831N	13510E	76		1001.0	1012.2	5.2	.8	5.8	.4	10	61	10		169	89
31960 VLADIVOSTOK	4307N	13154E	183		992.4	1015.1	8.9	.7	8.3	.2	6	31	-37		159	78
32150 JUZHNO-SAHALINSK	4657N	14243E	24		1008.8	1011.7	7.2	1.3	8.5	1.0	17	128	30	4	143	89
32583 PETROPAVLOVSK- KAMCATSKIJ	5259N	15839E	24		1009.8	1012.7	6.6		7.6		10	188		4		
32618 NIKOL'SKOE	5512N	16559E	18		1012.2	1014.5	6.9	1.7	8.1	.8	12	39	-45	0	132	125
KAZAKHSTAN																
35067 ESIL'	5153N	06620E	221		997.3	1024.7	3.6		4.7		4	23		3		
35078 ATBASAR	5149N	06822E	304		987.9	1025.6	2.8	.6	4.4	-.9	6	23	-4	3	190	142
35108 URALSK	5115N	05117E	37		1015.3	1019.8	7.7	2.6	5.9	-.5	6	39	9	3	128	94

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					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O'	O'	m		mb	mb	O _c	O _c	mb	mb		mm	mm		hr	
RUSSIAN FEDERATION (IN ASIA)																
35121 ORENBURG	5141N	05506E	117		1007.3	1021.7	7.0	2.6	5.5	-.7	6	40	2	1	151	120
KAZAKHSTAN																
35188 AKMOLA	5108N	07122E	350		982.7	1025.5	5.1	2.3	4.8	-.7	4	29	0	5	206	151
35217 DZHAMBEJTY	5015N	05234E	32		1015.9	1019.9	8.7		7.1		7	36				
35229 AKTJUBINSK	5017N	05709E	219		995.1	1022.0	6.6	2.4	5.7	-.2	6	47	17	5	162	118
35376 BERLIK	4953N	06931E	349		981.6	1024.5	5.0		5.0		4	14			66	0
35394 KARAGANDA	4948N	07309E	553		958.6	1025.5	5.1	2.1	4.8	-.4	4	35	0		215	152
35406 TAIPAK	4903N	05152E	2		1019.3	1019.5	10.1	3.4	7.2	.7	7	72	53	0	172	104
35416 UTL	4904N	05441E	128		1009.5		9.4	3.6	5.5	-.6	7	47	22	1		
35426 TEMIR	4909N	05707E	234		994.0	1022.2	7.7		5.6		4	38			4	
35746 ARALSKOE MORE	4647N	06139E	62		1013.8	1021.6	10.8	3.2	5.2	-1.1	1	3	-14	2	249	114
35796 BALHASH	4648N	07505E	350		981.3	1023.8	8.3	2.1	5.8	-.4	2	4	-8	2	254	114
35849 KAZALINSK	4546N	06207E	68		1012.4	1020.7	10.8	3.0	5.5	-.8	3	13	-1	2		
35925 SAM	4524N	05607E	88		1009.1	1019.9	11.8	3.8	7.3	.6	3	16	6			
35953 DZHUSALY	4530N	06405E	103		1007.7	1020.1	10.9		5.6		1	19		5		
36003 PAVLODAR	5218N	07656E	122		1010.3	1025.6	3.5		5.4		1	8		1	196	25
36177 SEMIPALATINSK	5025N	08018E	196		1001.0	1025.3	5.1	.9	5.4	-.2	3	18	-9	3	69	48
36208 LENINOGORSK	5020N	08333E	811		928.5	1025.1	4.0	1.6	5.1	.1	6	59	-15	3		
36428 BOL'SHE NARYMSKOE	4912N	08431E	401		974.9	1023.9	5.7		5.9		3	42			232	135
36535 KOKPEKTY	4845N	08222E	512				4.6	1.8	5.7	.6	4	37	11		79	44
36859 ZHARKENT	4410N	08004E	645		947.0	1022.4	11.5	1.8	6.9	.0	2	9	-6		223	100
36870 ALMATY	4314N	07656E	851			1021.6	11.1	2.1	7.4	.3	2	0034	-028	0	190	103
38062 KYZYLORDA	4451N	06530E	130		1004.4	1019.9	11.9	3.3	7.3	1.5	2	8	-3	4		
38069 CIILI	4410N	06645E	153		1001.7	1020.1	12.2		6.7		1	2				
38198 TURKESTAN	4316N	06813E	207		994.6	1019.4	14.2	3.6	6.5	.5	0	T	-12			
UZBEKISTAN																
38262 CHIMBAJ	4257N	05949E	66		1010.9	1018.8	13.0	3.2	8.3	1.5	4	16	4	5	209	93
KAZAKHSTAN																
38328 SHYMKENT	4219N	06942E	604		948.7	1018.5	14.9		8.0		3	0066		0	95	
38334 AUL TYRARA RYSKULOVA	4229N	07018E	808		926.8	1019.2	13.8		7.2		3	60		4		
38341 ZHAMBYL	4251N	07123E	651		944.7	1020.7	11.6		7.4		2	35		4	196	
38343 KOULAN	4257N	07245E	683		941.3	1021.1	10.9		7.6		5	26		3		
UZBEKISTAN																
38396 URGENCH	4134N	06034E	101		1007.0	1019.3	14.2		7.3		1	3		3		
38403 BUZAUBAJ	4145N	06228E	98		1007.0	1019.3	15.9		9.0		1	8		4		
38413 TAMDY	4144N	06437E	237		994.3	1020.0	16.2	3.3	5.9	-.4	1	2	-4	3	250	102
KAZAKHSTAN																
38439 CARDARA	4122N	06800E	275		986.1	1018.4	16.0		8.4		1	3				
UZBEKISTAN																
38457 TASHKENT	4116N	06916E	488		961.5	1018.1	16.1	2.8	9.0	.5	4	7	-27	2	217	97
TURKMENISTAN																

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					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb		mm	mm		hr	
38507 TURKMENBASHI	4003N	05300E	-13			1016.0	18.0	3.4	10.6	1.0	2	33	23	227	100	
38545 DARGANATA	4028N	06217E	142		1000.5	1017.4	15.1		9.1		1	2				
UZBEKISTAN																
38611 NAMANGAN	4059N	07135E	474		964.6	1019.8	15.5		10.2		4	20		4	248	110
38618 FERGANA	4022N	07145E	577		951.4	1018.1	14.8	1.7	10.8	1.2	4	26	5	4	119	55
38683 BUHARA	3943N	06437E	226		990.3	1016.7	16.9		8.2		0	0		0		
TURKMENISTAN																
38687 CHARDZHEV	3905N	06336E	190		995.0	1017.9	16.0	2.0	9.4	1.3	1	9999	-005	268	100	
UZBEKISTAN																
38696 SAMARKAND	3934N	06657E	724		934.4	1016.6	16.2	3.5	8.8	.6	3	10	-14	3	237	101
38812 KARSHI	3848N	06543E	376		972.8	1016.4	18.5		11.2		1	2		2		
38927 TERMEZ	3714N	06716E	310		980.4	1016.5	18.5	2.7	5.9	-3.2	0	T	-3	0	317	123
SAUDI ARABIA																
40356 TURAIF	3141N	03844E	852		918.2	1513 Y	22.2		9.0		0	0			275	
40357 ARAR	3054N	04108E	549		951.2	1012.2	25.0		10.1		00	T				
40361 AL-JOUF	2947N	04006E	689		938.3	1012.1	24.9		8.3		2	3				
40362 RAFHA	2937N	04329E	444		961.8	1011.6	26.5		11.9		0	0			275	
40373 AL QAYSUMAH	2819N	04607E	360		970.8	1010.7	28.7		8.5		0	0				
40377 HAFR AL-BATIN	2754N	04532E	414			1012.1	28.0		8.2							
40394 HAIL	2726N	04141E	1013		903.6	1533 Y	26.0		7.9		0	0			254	
40400 WEJH	2612N	03628E	21		1008.1	1010.8	27.7		25.4		0	0			288	
40416 DHAHRAN	2616N	05009E	17		1008.5	1010.4	29.0	1.1	22.3	5.8	0	0	-1			
40417 KING FAHAD INT. AIRPORT	2627N	04949E	12		1010.1	1011.6	28.8		17.0		0	0				
40420 AL AHSА	2518N	04929E	178		991.5	1011.8	29.3		14.2							
40430 MADINAH	2433N	03942E	636		940.5	1009.2	31.1	1.7	7.2	-1.0	0	T	-1		272	
40437 KING KHALED INT. AIRPORT	2456N	04643E	612		944.8	1012.3	27.4		7.0		0	0			300	
40438 RIYADH	2443N	04644E	620		944.8	1012.6	28.8	2.0	7.1	.0	0	0	-1		292	
40439 YENBO	2409N	03804E	10		1008.6	1009.8	30.6		28.4		0	0				
IRAN, ISLAMIC REPUBLIC OF																
40706 TABRIZ	3805N	04617E	1361		865.5	1012.9	18.5	5.0	8.6	1.1	1	2	-26		224	98
40712 ORUMIEH	3732N	04505E	1312		869.7	1012.9	15.3	2.8	9.6	1.2	8	28	-3		228	103
40718 ANZALI	3728N	04928E	-23		1018.0	1014.5	20.4	2.7	20.0	2.2	9	63	-296		140	125
40745 MASHHAD	3616N	05938E	989		904.7	1015.9	18.7	5.3	9.1	1.5	1	1	-10		276	114
40754 TEHRAN-MEHRABAD	3541N	05121E	1191		884.0	1011.2	22.3	4.1	9.1	2.1	2	10	-3		269	108
40766 KERMANSHAH	3416N	04707E	1322		870.8	1013.6	19.0	3.0	7.9	1.3	3	10	-19		257	106
40800 ESFAHAN	3238N	05143E	1550		847.4	1013.0	19.3	2.4	6.2	-.2					282	102
40831 ABADAN	3022N	04815E	11		1007.0	1007.8	28.4	1.5	15.7	1.0					279	106
40848 SHIRAZ	2932N	05235E	1491		854.4	1012.9	20.9	2.5	7.4	.8					309	104
SAUDI ARABIA																
41024 JEDDAH (KING ABDUL AZIZ INT.)	2142N	03911E	17		1008.3	1010.2	30.2	1.1	31.0	4.5	0				255	
41030 MAKKAH	2126N	03946E	240		982.8	1009.2	36.9		26.2		0					
41036 TAIIF	2129N	04033E	1454		857.1	1518 Y	23.7	1.0	6.9	-1.1					301	
41055 AL BAHА	2018N	04138E	1662		838.0	1524 Y	23.4		6.7		0	0			308	

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					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O'	O'	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
41061 WADI AL DAWASSER AIRPORT	2030N	04512E	622		942.7	1010.8	27.8		7.8		0	0			328	
41084 BISHA	1959N	04237E	1163		886.4	1006.5	25.3		4.9		0	0		310		
41112 ABHA	1814N	04239E	2093		796.3	1524 Y	18.8		7.6		0			296		
41114 KHAMIS MUSHAIT	1818N	04248E	2056		799.7	1427 Y	20.3		8.8		0	0		309		
41128 NAJHRAN	1737N	04425E	1210		881.7	1527 Y	24.0		7.8		0	0		314		
41140 GIZAN	1654N	04235E	7		1009.1	1009.9	31.7		30.5		1	1				
BAHRAIN																
41150 BAHRAIN (INT. AIRPORT)	2616N	05039E	2		1010.8	1011.0	30.2	.9	28.3	1.0	0	0	-1	4	100	
UNITED ARAB EMIRATES																
41217 ABU DHABI INTER. AIRPORT	2426N	05439E	27		1009.0	1011.8	30.0	1.6	25.3	1.7				310	99	
INDIA																
42071 AMRITSAR	3138N	07452E	234		991.6	1019.7	8.5	-15.3	10.3		3	12	-6	2		
42165 BIKANER	2800N	07318E	224			1017.1	14.7	-13.0	7.6		2	11	7	5		
42182 NEW DELHI /SAFDARJUNG	2835N	07712E	216		992.9	1019.1	12.1	-14.2	11.0		4	39	22	5		
42314 DIBRUGARH/MOHANBARI	2729N	09501E	111		1004.4	1017.5	16.4	-8.7	16.4		2	36	-107	3	205	
42410 GAUHATI	2606N	09135E	54		1010.0	1017.1	16.0	-10.0	14.9		2	6	-86	3	134	65
42452 KOTA AERODROME	2509N	07551E	274			1010.5	28.0	.0	13.7		0	0	-28	2		
42475 ALLAHABAD/BAMHRAULI	2527N	08144E	98		998.6	1011.3	27.7	1.3	25.9		1	4	-30	2	150	58
42515 CHERRAPUNJI	2515N	09144E	1313		870.3	1516 Y	20.0	.7	19.9		13	651	102	4		
42619 SILCHAR	2445N	09248E	29		1007.2	1010.5	27.7		27.3		14	206		3		
42647 AHMADABAD	2304N	07238E	55		1004.1	1010.3	28.1	-.4	17.3						300	103
42671 SAGAR	2351N	07845E	551		949.3	1010.1	25.5	-.4	19.3		0	T	-33	2		
42731 DWARKA	2222N	06905E	11		1009.2	1010.5	28.4	.6	28.7		0	0	-10			
42754 INDORE	2243N	07548E	567		947.3	1009.9	24.6	-.7	15.6		0	0	-52	1	306	113
42807 CALCUTTA/ALIPORE	2232N	08820E	6		1009.4	1010.0	28.3	.1	31.7		16	353	210	6	111	61
42867 NAGPUR SONEGAON	2106N	07903E	310		974.7	1009.5	26.2	-.2	24.7		1	4	-69	2	248	95
42909 VERAVAL	2054N	07022E	8		1009.1	1010.0	29.1	1.2	24.7							
42933 AKOLA	2042N	07702E	282		977.5	1009.0	25.2	-2.2	19.3		3	10	-38	3		
42971 BHUBANESWAR	2015N	08550E	46		1004.1	1009.3	27.4	-.2	31.6		16	458	331	5	133	60
43041 JAGDALPUR	1905N	08202E	553		948.0	1008.9	25.3	.6	26.3		12	299	212	6		
43057 BOMBAY/COLABA	1854N	07249E	11		1007.8	1009.0	29.3	.6	30.1		1	5	-56	2	246	102
43063 POONA	1832N	07351E	559		947.8	1009.1	25.6	.6	21.1		3	73	5	3	162	65
43128 HYDERABAD AIRPORT	1727N	07828E	545		949.1	1008.9	26.1	.4	23.9		12	169	72	5	203	89
43185 MACHILIPATNAM	1612N	08109E	3		1007.6	1007.9	28.4	.6	30.6		12	154	-23	3	145	
43192 GOA/PANJIM	1529N	07349E	60		1002.3	1009.0	28.5	.6	30.8		5	49	-62	2	232	94
43198 BELGAUM/SAMBERA	1551N	07437E	747		927.2	1008.6	24.5	.3	21.6		9	150	68	4		
43279 MADRAS/MINAMBAKKAM	1300N	08011E	16		1006.5	1008.2	28.9	.7	30.0		13	257	-116	3	168	87
43295 BANGALORE	1258N	07735E	921		908.3	1497 Y	24.3	.6	22.5		13	208	81	5	148	86
43314 KOZHIKODE	1115N	07547E	5		1009.2	1009.8	27.9	.6	30.9		17	229	-1	3		
43333 PORT BLAIR	1140N	09243E	79		1001.4	1010.2	26.9	1.0	30.2		14	290	-5	3	123	74
43363 PAMBAN	0916N	07918E	11		1007.3	1008.6	29.3	.7	31.3		7	165	-59	3		
43369 MINICOY	0818N	07309E	2		1009.7	1009.9	28.2	.5	31.5		12	103	-44	2	197	89
43371 THIRUVANANTHAPURAM	0829N	07657E	64		1002.9	1010.1	27.2	.3	30.2		16	524	301	5	153	90
SRI LANKA																
43418 TRINCOMALEE	0835N	08115E	7		1000.4	1009.1	29.2	1.0	31.2	3.2	6	61	-156			

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb	mm	mm	mm	mm	hr	%
43466 COLOMBO	0654N	07952E	7		1009.1	1009.9	27.7	.7	30.8	1.6	15	185	-184		235	117
43497 HAMBANTOTA	0607N	08108E	20		1007.8	1009.6	27.6	.5	30.6	2.1	8	139	-12			
MONGOLIA																
44203 RINCHINHUMBE	5107N	09940E	1583		841.4	1025.0	-4.1	1.9			2	5	-3	2		
44207 HATGAL	5026N	10009E	1668		830.7	1021.5	-2.5	2.1	3.4	.6	2	4	-7	2		
44212 ULAAN-GOM	4959N	09205E	939		908.0	1019.2	2.0	1.6	4.9	.6	1	12	8	4	65	
44213 BARUUNTURUUN	4939N	09424E	1232		882.2	1026.2	1.4	2.1	5.3	1.3	2	10	-2	3		
44214 UIGI	4856N	08956E	1715		830.4	1024.6	.5	.4	3.5	-4.2	2	6	3	5		
44215 OMNO-GOBI	4901N	09143E	1590		844.0	1025.8	-.4	.2	3.6	.0	0	T	-3	1		
44218 HOVD	4801N	09134E	1405		856.0	1013.6	7.0	5.5	4.6	.6	0	0	-4	0		
44225 TOSONTSENGEL	4844N	09812E	1723		830.7	1029.5	-3.1	1.1			2	7	-3	2		
44230 TARIALAN	4934N	10200E	1235		881.9	1026.8	-.7	-.7	3.6	.0	2	5	0	3		
44231 MUREN	4934N	10010E	1283		868.4	1016.0	3.4	4.1	3.4	.0	0	T	-5	1		
44232 HUTAG	4923N	10242E	938		919.2	1023.2	.7	.7	4.5	.4	1	4	-8	2		
44237 ERDENEMANDAL	4832N	10123E	1509		850.9	1024.3	-.1	.5	3.6	-.3	1	3	-4	2		
44239 BULGAN	4848N	10333E	1208		875.2	1015.6	1.5	2.3	4.9	1.3	0	T	-12	1		
44241 BARUUNKHARAA	4855N	10604E	807		921.0	1017.2	2.2	1.7	4.9	1.0	0	T	-11	1		
44256 DASHBALBAR	4933N	11424E	705		932.9	1017.7	1.7	1.3	5.2	1.4	1	2	-2	2		
44259 CHOIBALSAN	4805N	11433E	747		926.2	1015.6	1.6	.1	3.4	-.8	0	0	-7	0	78	
44265 BAITAG	4607N	09128E	1186		892.2	1030.5	4.5	1.4	5.2	.5	3	4	1	4		
44272 ULIASTAI	4745N	09651E	1759		821.7	1017.2	2.6	3.4	4.3	1.0	1	2	-7	1	73	
44275 BAYANBULAG	4650N	09805E	2255		779.7	1028.5	-4.8	-.3	3.2	.0	2	6	2	2		
44277 ALTAI	4624N	09615E	2181		784.6	1024.9	-3.9	-2.6			5	27	20	1		
44282 TSETSERLEG	4727N	10128E	1691		827.4	1015.2	5.4	5.1	3.4	-.1	0	0	-13	0		
44284 GAIUUT	4642N	10008E	2126		790.1	1031.5	-5.9	-2.4	2.8	.1	2	10	4	4		
44285 HUJIRT	4654N	10246E	1662		831.3	1018.4	2.0	2.7	4.6	1.0	0	T	-9	1		
44287 BAYANHONGOR	4608N	10041E	1859		815.4	1024.8	-.8	-.7	3.5	.1	2	8	1	2		
44288 ARVAIHEER	4616N	10247E	1813		815.9	1015.3	5.5	4.1	4.9	1.5	0	0	-6	0		
44292 ULAAN-BAATOR	4755N	10652E	1306		867.3	1018.1	1.2	2.3	3.8	.1	0	T	-6	1	85	
44294 MAANTI	4718N	10729E	1430		857.6	1023.9	-.6	.9	3.4	-.2	0	T	-5	1		
44298 CHOIR	4627N	10813E	1286		868.8	1016.5	2.9	1.7	2.5	-1.8	0	0	-5	0		
44302 BAYAN-OVOO	4747N	11207E	926		910.4	1019.7	1.8	.8	3.7	-.2	0	T	-10	1		
44304 UNDERKHAAN	4719N	11038E	1033		895.4	1016.4	.5	-.1			0	T	-8	1		
44305 BARUUN-URT	4641N	11317E	981		905.5	1022.6	3.0	1.3	4.2	.2	0	T	-5	1		
44313 KHALKH-GOL	4737N	11837E	688		935.9	1018.5	2.6	1.5	5.3	1.3	2	4	-7	2		
44314 MATAD	4710N	11538E	907		913.8	1021.4	2.6	.9	3.7	-.3		2	-6	1		
44336 SAIKHAN-OVOO	4527N	10354E	1316		871.6		1.7	-.4	3.7	.1	3	12	8	3		
44341 MANDALGOVI	4546N	10617E	1393		858.3	1016.9	3.8	2.1	3.9	.1	00	0	-4	0		
44347 TSOGT-OVOO	4425N	10519E	1298		873.3	1022.2	4.2	.2	2.9	-1.3	01	1	-2	3		
44352 BAYANDELGER	4544N	11222E	1101		899.4	1014.8	3.0	.5	4.0	-.2	0	T	-6	1		
44358 ZAMYN-UUD	4344N	11154E	964		905.7	1018.4	4.8	.4	5.4	.9	0	0	-5	0		
44373 DALANZADGAD	4335N	10425E	1465		853.3	1017.6	7.3	2.5	4.0	.1	0	0	-4	1	95	
NEPAL																
44454 KATHMANDU AIRPORT	2742N	08522E	1337		866.8	1507 Y	21.2		20.9		2	18			214	95
HONG KONG, CHINA																
45004 KING'S PARK	2219N	11410E	66		1007.1	1014.7	24.8	-.6	20.8	-2.1	2	52	-93	2	224	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.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
MACAU																
45011 TAIPA	2110N	11334E	114		1002.1	1015.4	24.9		21.7		2	42		3	213	105
REPUBLIC OF KOREA																
47101 CHUNCHON	3754N	12744E	75		1009.4	1018.6	11.2	-0.8	10.0	-0.5	7	33	-13	3	170	93
47105 KANGNUNG	3745N	12854E	27		1013.8	1016.9	14.8	0.0	9.0	-2.4	3	59	-53	2	225	122
47108 SEOUL	3734N	12658E	87		1008.1	1018.4	13.9	-0.4	10.0	-1.1	7	42	-7	3	196	96
47115 ULLUNGDO	3729N	13054E	223		990.6	1016.5	14.7	-0.2	11.6	-0.8	7	35	-52	2	191	113
47133 TAEJON	3618N	12724E	78		1010.5	1018.6	14.0	0.4	10.6	-1.0	3	22	-30	2	214	107
47138 POHANG	3602N	12923E	6		1017.4	1017.8	15.9	0.2	10.3	-2.1	4	15	-48	1	239	128
47159 PUSAN	3506N	12902E	71		1009.3	1017.6	16.6	-0.5	10.9	-2.1	2	3	-59	1	235	117
47165 MOKPO	3447N	12623E	56		1014.3	1018.7	15.7	-0.9	12.3	-1.3	3	36	-16	3	233	114
47168 YOSU	3444N	12744E	68		1010.0	1017.8	16.8	-0.1	10.2	-2.5	2	11	-44	1	219	98
47184 CHEJU	3331N	12632E	24		1016.1	1018.9	17.6	-0.1	13.7	-1.1	3	38	-36	2	208	116
JAPAN																
47401 WAKKANAI	4525N	14141E	11		1011.3	1012.6	11.3	0.8	9.0	0.2	19	139	9	4	119	91
47407 ASAHIKAWA	4346N	14222E	116		1000.4	1014.5	8.9	0.4	8.9	0.1	18	131	19	4	136	108
47409 ABASHIRI	4401N	14417E	43		1008.4	1013.6	11.0	1.0	8.9	0.0	8	59	-18	2	185	117
47412 SAPPORO	4303N	14120E	26		1011.3	1014.4	11.6	0.8	9.3	0.0	15	150	35	4	137	88
47418 KUSHIRO	4259N	14424E	37		1009.8	1014.5	10.7	0.9	9.9	0.3	9	70	-38	2	200	109
47420 NEMURO	4320N	14535E	39		1009.5	1014.2	11.4	0.6	10.5	0.5	9	54	-63	1	192	114
47421 SUTTSU	4248N	14014E	38		1009.8	1014.3	11.6	0.1	9.9	-0.1	17	157	18	3	128	95
47426 URAKAWA	4210N	14247E	37		1010.7	1015.1	11.6	0.1	10.4	0.2	11	154	50	5	189	103
47430 HAKODATE	4149N	14045E	43		1009.8	1015.0	12.0	0.7	9.9	-0.3	12	91	-8	3	190	112
47575 AOMORI	4049N	14046E	3		1015.1	1015.5	12.5	0.5	10.1	-0.6	14	107	9	3	176	114
47582 AKITA	3943N	14006E	21		1013.5	1016.1	13.6	0.5	10.5	-0.9	16	179	30	4	155	101
47585 MIYAKO	3939N	14158E	46		1010.4	1016.0	12.5	-0.3	10.9	-0.5	9	62	-46	2	183	117
47598 ONAHAMA	3657N	14054E	5		1016.0	1016.6	15.5	-0.1	12.6	-0.9	7	101	-61	2	141	93
47600 WAJIMA	3723N	13654E	14		1015.2	1016.9	14.8	-0.4	12.2	-1.2	8	194	17	4	173	123
47602 AIKAWA	3802N	13815E	17		1014.4	1016.3	16.2	0.6	12.1	-0.9	9	129	2	3	165	109
47605 KANAZAWA	3635N	13638E	33		1012.8	1016.7	16.5	0.4	12.7	-1.0	11	106	-96	1	180	128
47618 MATSUMOTO	3615N	13758E	611		946.0	1016.9	12.2	-0.1	10.1	-0.8	6	70	-17	3	170	110
47624 MAEBASHI	3624N	13904E	113		1003.2	1016.6	15.6	0.0	10.9	-1.7	6	70	-23	2	159	103
47636 NAGOYA	3510N	13658E	56		1009.5	1016.1	16.9	-0.1	12.6	-1.1	6	93	-21	3	167	102
47648 CHOSHI	3544N	14052E	28		1012.7	1016.0	17.6	-0.6	15.7	-0.1	11	207	-9	3	130	98
47655 OMAEZAKI	3436N	13813E	47		1009.8	1015.3	18.6	-0.2	14.8	-1.4	9	171	1	3	167	104
47662 TOKYO	3541N	13946E	36		1012.1	1016.4	17.8	0.2	12.1	-1.5	8	172	8	4	138	108
47663 OWASE	3404N	13612E	27		1012.8	1015.9	17.2	-0.4	14.5	-0.8	8	228	-128	2	144	101
47675 OSHIMA	3445N	13222E	79		1006.1	1015.5	17.7	0.7	15.3	-0.5	10	264	-94	3	138	118
47678 HACHIJOJIMA	3306N	13947E	80		996.1	1013.6	20.5	-0.2	19.4	0.4	15	153	-303	1	107	88
47740 SAIGO	3612N	13320E	31		1013.3	1017.0	15.4	-0.6	12.7	-1.2	9	60	-58	1	186	110
47741 MATSUE	3527N	13304E	22		1014.5	1017.1	16.4	0.3	13.1	-1.6	7	49	-86	0	200	125
47750 MAIZURU	3527N	13519E	22		1014.6	1017.2	15.6	-0.4	13.1	-1.3	7	69	-61	1	155	119
47755 HAMADA	3454N	13204E	20		1014.6	1017.0	17.1	0.3	13.1	-1.3	4	23	-100	0	206	124
47772 OSAKA	3441N	13531E	83		1006.8	1016.5	18.1	-0.2	12.9	-1.1	5	96	-11	3	167	105
47778 SHIONOMISAKI	3327N	13546E	75		1006.4	1015.1	18.9	-0.4	15.4	-0.6	8	156	-68	2	174	104
47800 IZUHARA	3412N	12918E	19		1015.1	1017.3	18.1	0.5	13.5	-1.2	2	5	-110	0	211	133

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O'	O'	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
47807 FUKUOKA	3335N	13023E	15		1015.2	1016.9	18.8	.6	12.7	-2.3	3	11	-85	0	231	134
47815 OITA	3314N	13137E	13		1015.3	1016.8	17.7	-1	13.5	-1.8	5	79	-56	2	211	133
47817 NAGASAKI	3244N	12952E	35		1012.4	1016.5	19.0	.0	13.2	-2.2	1	13	-90	1	216	123
47827 KAGOSHIMA	3133N	13033E	31		1012.1	1015.7	20.2	.2	14.3	-2.5	5	46	-60	2	221	121
47830 MIYAZAKI	3155N	13125E	7		1014.0	1015.7	18.9	.0	15.2	-1.9	6	115	-79	3	214	123
47837 TANEGASHIMA	3044N	13100E	18		1013.1	1015.2	21.6	-2	17.7	-1.8	9	151	-10	3	191	113
47843 FUKUE	3242N	12850E	26		1013.7	1016.8	18.6	.0	13.2	-2.5	3	5	-101	0	225	130
47887 MATSUYAMA	3350N	13247E	34		1012.6	1016.5	17.7	-2	13.2	-1.2	7	29	-70	1	219	127
47891 TAKAMATSU	3419N	13403E	10		1015.3	1016.5	17.8	.6	13.4	-1.5	5	55	-51	2	192	112
47898 SHIMIZU	3243N	13301E	33		1011.7	1015.5	20.4	.0	15.5	-1.0	9	92	-151	1	210	119
47899 MUROTOMISAKI	3315N	13411E	186		993.8	1015.5	18.7	-1	15.1	-.6	7	136	-59	2	201	116
47909 NAZE	2823N	12930E	7		1013.7	1014.6	23.5	.2	18.6	-2.6	8	201	-18	3	138	110
47918 ISHIGAKIJIMA	2420N	12410E	7		1013.6	1014.4	25.4	.1	20.8	-3.6	6	56	-117	1	167	102
47927 MIYAKOJIMA	2447N	12517E	41		1009.5	1014.2	25.2	.3	20.7	-3.4	6	125	-36	3	159	95
47936 NAHA	2612N	12741E	53		1008.1	1014.2	24.7	.2	19.4	-3.5	8	178	-28	3	183	105
47945 MINAMIDAITOJIMA	2550N	13114E	20		1010.5	1012.8	24.6	-.5	22.6	-2.0	5	92	-77	1	194	107
47971 CHICHIJIMA	2705N	14211E	8		1011.0	1011.9	26.6	.7	29.3	2.7	18	111	-25	3	159	87
47991 MINAMITORISHIMA	2418N	15358E	9		1011.1	1012.0	28.5	1.1	29.9	1.1	12	82	-16		235	96
THAILAND																
48327 CHIANG MAI	1847N	09859E	314		975.4	1010.7	26.5	.7	28.6	2.4	2	13	-109	0	216	97
48354 UDON THANI	1723N	10248E	182		990.8	1011.0	27.5	.8	26.2	-.3	1	29	-55	1		
48378 PHITSANULOK	1647N	10016E	45		1005.3	1010.5	28.9	1.3	29.2	.1	3	22	-135	1	251	112
48400 NAKHON SAWAN	1548N	10010E	35		1006.6	1010.6	28.3	.6	30.7	.8	4	69	-75	1	250	112
48462 ARANYAPRATHET	1342N	10235E	49		1005.1	1010.6	27.9	.8	29.4	.6	12	158	-23	3		
48500 PRACHUAP KHIRIKHAN	1150N	09950E	5		1009.2	1009.8	26.8	-1	30.2	1.2	18	586	381	6		
48517 CHUMPHON	1029N	09911E	5		1009.5	1010.0	27.0	.4	31.3	1.6	21	361	86	4		
48568 SONGKHLA	0712N	10036E	5		1008.5	1010.1	26.8	-.6	29.2	-.3	17	579	296	6	113	62
VIET NAM																
48806 SON LA	2120N	10354E	676		938.0	1014.5	22.7	-4.1	21.0	-8.6	3	14	-153	1	160	103
48808 CAO BANG	2240N	10615E	244		986.9	1014.9	23.4	-3.4	24.3	-5.3	4	79	-88	3	119	77
48820 HA NOI	2101N	10548E	6		1013.1	1013.9	26.6	-.2	24.9	-4.7	2	13	-154	1	148	95
48826 PHU LIEN	2048N	10638E	116		1000.8	1014.2	25.4	-1.4			3	8	-159	1	185	119
48830 LANG SON	2150N	10646E	263		984.6	1015.0	22.6	-4.2	20.7	-8.9	1	4	-163	0	156	101
48840 THANH HOA	1945N	10547E	5		1012.6	1013.2	25.5	-1.3	27.3	-2.3	6	21	-146	1	164	106
48845 VINH	1840N	10540E	6		1012.7	1013.4	25.5	-1.3	27.8	-1.8	14	221	54	1	136	88
48848 DONG HOI	1729N	10636E	7		1011.9	1012.7	25.5	-1.3	28.3	-1.3	17	28	-139	6	133	86
48852 HUE	1626N	10735E	10		25.0		25.0	-1.8	28.5	-1.1	18	767	600	144	93	
48855 DA NANG	1602N	10811E	7			1012.3	25.9	-.9	28.2	-1.4	16	413	246	2	150	97
48870 QUY NHON	1346N	10913E	6		1010.6	1011.3	26.7	-1	28.5	-1.1	17	907	740	6	147	95
48877 NHA TRANG	1213N	10912E	4		1009.9	1010.4	26.8	.0	29.0	-.6	17	533	366	5	154	99
48887 PHANTHIEP	1056N	10806E	8		1009.6	1010.2	27.1	.3	29.6	.0	13	106	-61	1	188	121
LAO PDR																
48930 LUANG-PRABANG	1953N	10208E	305		978.3	1013.0	27.1	2.3	27.6	1.3	2	32	-94	1	224	115
48938 SAYABOURY	1914N	10144E	326		990.4	1009.8	26.6	1.8	26.5	.2	5	11	-115	1	198	102
48940 VIENTIANE	1757N	10234E	171		992.3	1011.7	27.4	1.0	25.8	-.8	1	42	-45	1	274	111
48946 THAKHEK	1723N	10439E	152		994.1	1011.4	26.9	.5	24.9	-1.7	2	14	-73		262	106

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb	mm	mm	hr			
48947 SAVANNAKHET	1633N	10439E	145		996.9	1013.4	26.6	1.6	26.6	2.6	3	23	-76	1	274	
48948 SENO	1640N	10500E	185		990.5	1011.7	26.0	1.0	25.3	1.3	3	23	-76	1	274	
48955 PAKSE	1507N	10510E	102		998.6	1010.2	27.7	1.4	26.5	-0.6	5	51	-48	2	234	121
CHINA																
50527 HAILAR	4913N	11945E	611		943.8	1017.9	2.3	2.0	4.8	.9	2	19	9	4	176	80
50745 QIQIHAR	4723N	12355E	148		997.1	1015.3	6.4	1.6	5.8	.8	1	3	-16	1	224	97
51076 ALTAY	4744N	08805E	737		937.6	1025.3	7.2	1.4	5.0	.1	3	9	-7	2	257	121
51431 YINING	4357N	08120E	663		944.6	1022.8	10.4	1.1	7.7	.2	3	13	-11	2	238	108
51463 URUMQI	4347N	08737E	919		914.9	1023.4	10.1		5.0		0	T		3	256	110
51709 KASHI	3928N	07559E	1291		876.0	1020.6	13.2	.9	8.5	1.4	2	40	38	6	256	105
51777 RUOQIANG	3902N	08810E	889		919.1	1022.0	11.1	-1.1	5.4	.3	0	0	-1	4	288	101
51828 HOTAN	3708N	07956E	1375		867.1	1019.5	13.7	1.2	6.9	1.0	2	5	4	5	271	104
52203 HAMI	4249N	09331E	739		935.6	1022.5	9.4	-0.3	5.3	.2	0	T	-2	2	288	103
52533 JIUQUAN	3946N	09829E	1478		857.3	1023.8	8.0	.6	4.5	-0.2	0	0	-2	2	259	97
52836 DULAN	3618N	09806E	3192		695.3		3.6	.7	2.0	-0.8	1	3	-4	3	248	93
52889 LANZHOU	3603N	10353E	1518		853.5		9.9	.2	8.2	.1	7	24	0	4	172	89
53068 ERENHOT	4339N	11200E	966		908.7	1022.1	5.5	.9	4.1	.4	1	9	2	4	264	101
53614 YINCHUAN	3829N	10613E	1112		895.6	1023.2	9.7	.5	6.7	-0.7	3	14	0	4	241	103
53772 TAIYUAN	3747N	11233E	779		931.2	1022.6	9.4	-0.6	8.4	.1	4	50	21	5	189	90
54292 YANJI	4253N	12928E	178		995.3	1017.2	6.9	.3	6.7	.3	6	31	9	4	161	79
54342 SHENYANG	4146N	12326E	43		1012.7	1018.8	10.3	.8	7.8	-0.2	9	104	62	5	195	91
54511 BEIJING	3956N	11617E	55		1015.8	1019.7	13.2	.5	8.6	-0.8	5	67	49	5	212	94
54857 QINGDAO	3604N	12020E	77		1011.1	1020.1	16.0	-1.1	12.4	.0	3	40	-6	3	192	88
55591 LHASA	2940N	09108E	3650		655.4		10.9	2.8	5.5	.4	2	3	-7	2	277	98
56137 QAMDO	3109N	09710E	3307		684.1		9.4	1.0	6.7	1.0	7	54	29	5	206	101
56294 CHENGDU	3040N	10401E	508		961.4	1020.6	17.5	.6	15.2	-1.3	4	29	-10	2	51	80
56571 XICHANG	2754N	10216E	1599		842.3		16.7	-0.1	14.5	.7	8	67	-11	3	80	48
56739 TENGCHONG	2507N	09829E	1649		836.8		17.9	1.5	16.9	1.4	9	102	-42	2	171	98
56778 KUNMING	2501N	10241E	1892		813.5		17.2	2.2	14.8	1.1	10	57	-31	2	141	93
56985 MENGZI	2323N	10323E	1302		872.4	1014.3	19.6		17.1		6	20	1	1	132	85
57036 XI'AN	3418N	10856E	398		975.1	1022.4	13.9	.1	12.0	-0.4	10	143	78	5	128	97
57083 ZHENGZHOU	3443N	11339E	111		1007.6	1021.0	14.9	-0.1	11.0	-0.9	8	156	110	6	139	74
57461 YICHANG	3042N	11118E	134		1004.7	1020.7	17.6	-0.4	14.0	-1.6	6	33	-54	1	118	88
57745 ZHIJIANG	2727N	10941E	273		987.6	1019.7	17.7	.1	15.9	-0.1	6	72	-32	2	128	107
57993 GANZHOU	2551N	11457E	125		1001.7	1018.0	20.4	-0.8	16.5	-1.8	2	18	-58	2	185	109
58362 SHANGHAI	3124N	12128E	4		1018.6	1019.7	18.8		15.4		6	42	3	3	161	90
58606 NANCHANG	2836N	11555E	50		1012.7	1018.5	19.8	.5	15.3	-1.2	3	22	-35	1	205	128
59287 GUANGZHOU	2308N	11319E	8		1010.7	1015.7	24.3	.3	19.8	-2.1	2	3	-76	1	216	113
59316 SHANTOU	2324N	11641E	3		1014.5	1015.4	24.3	1.0	21.0	-1.8	3	10	-51	2	238	113
59431 NANNING	2249N	10821E	73		1001.0	1015.6	23.0	-0.4	21.4	-0.5	0	0	-72	0	190	112
59758 HAIKOU	2002N	11021E	24		1012.0	1014.1	26.2	1.2	25.6	-1.0	3	21	-180	1	224	119
AFRICA																
MADEIRA																
08522 FUNCHAL	3238N	01654W	56		1009.3	1016.0	21.0	.1	16.2	-1.6	10	136	61	5	200	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.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
SPAIN (CANARY ISLANDS)																
60020 SANTA CRUZ DE TENE- RIFE, CM	2827N	01615W	36		1011.3	1015.7	23.8	.9	18.5	.4	6	38	20	5	210	96
60030 LAS PALMAS DE GRAN CAN./GAN.	2756N	01523W	47		1010.1	1015.6	22.5	.0	18.1	-1.0	7	33	23	5	204	96
60040 LANZAROTE/AEROPUERTO	2857N	01336W	21		1013.4	1015.8	22.8	.4	19.0	-.1	7	72	67	6	219	98
WESTERN SAHARA																
60096 VILLA CISNEROS	2342N	01552W	10		1012.7	1014.1	23.2				3	18		1	224	90
MOROCCO																
60101 TANGER (AERODROME)	3544N	00554W	21		1012.8	1014.7	19.2	-.5	17.9		17	202	137	5	131	50
60115 OUJDA	3447N	00156W	470		960.4	1013.4	19.0	1.0	15.2		7	46	13	6	176	120
60120 KENITRA	3418N	00636W	14		1013.0	1014.7	19.6	.2	18.9		10	129	66	5	128	55
60135 RABAT-SALE	3403N	00646W	75		1000.5	1014.7	18.8	-.2	18.4		10	112	69	5	157	65
60150 MEKNES	3353N	00532W	549		950.6	1014.3	17.5	-1.2	16.5		10	78	31	3	167	70
60155 CASABLANCA	3334N	00740W	62		1006.5	1013.3	20.1	.9	19.5		10	113	82	5		
60195 MIDELT	3241N	00444W	1515		849.8	1563 Y	14.6	-.4	11.5		7	32	15	5	198	55
60220 ESSAOUIRA	3131N	00947W	8		1013.5	1014.4	18.8	-.2	17.5		7	72	47	5	198	
60230 MARRAKECH	3137N	00802W	466		961.3	1014.5	20.5	-.6	15.0		5	24	1	4	219	85
60265 OUARZAZATE	3056N	00654W	1140		888.6	1524 Y	19.9	.5	10.0		4	74	61	6	267	65
60318 TETUAN/SANIA RAMEL	3535N	00520W	10		1012.8	1014.0	19.7		10.7		8	209		6		
SPAIN (CEUTA AND MELILLA)																
60338 MELILLA	3517N	00257W	55		1007.1	1013.5	20.8	.7	17.7	.2	7	66	35	5	140	75
ALGERIA																
60351 JIJEL ACHOUAT	3653N	00549E	10		1012.4	1013.5	21.1		18.7		11	76				
60353 JIJEL PORT	3650N	00547E	2		1012.6	1013.3	21.8		20.3		12	67			187	50
60360 ANNABA	3650N	00749E	4		1015.8	1016.8	21.2	1.5	18.4		10	39	-32	2	178	50
60367 EL-KALA	3654N	00827E	10		1013.7	1015.2	22.5		18.8		7	23				
60387 DELLYS	3655N	00357E	12		1011.9	1012.5	21.1		18.1		7	54			188	
60390 DAR-EL-BEIDA	3643N	00315E	25		1010.9	1013.9	20.5	1.1	18.6		7	38	-38	2	184	50
60395 TIZI-OUZOU	3642N	00403E	195		995.3	1013.2	20.5		17.1		11	66			182	50
60402 BEJAIA	3643N	00504E	2		1013.2	1014.0	20.5	.8	19.4		13	76	-13	3	169	
60403 GUELMA	3628N	00728E	227		988.0	1014.2	21.3		16.0		8	49		1	166	
60410 TENES	3630N	00120E	59		1012.6	1014.6	21.3		18.5		9	36			177	50
60417 BOUIRA	3623N	00354E	635		949.8	1013.3	19.1		15.8		8	108			181	50
60419 CONSTANTINE	3617N	00637E	694		936.1	1013.8	18.6	2.2	13.9		7	46	8	4	170	45
60421 OUM EL BOUAGHI	3553N	00707E	889		914.2	1511 Y	18.0		12.0		7	61			174	
60423 SOUK AHRAS	3617N	00758E	680		937.0	1013.6	18.8		14.0		7	31			115	
60425 CHLEF	3613N	00120E	143		997.0	1014.1	20.7	.4	16.0		6	46	-5	0	183	
60430 MILIANA	3618N	00214E	715		933.0	1013.9	18.7	1.0	14.4		10	47	-21	3	172	
60437 MEDEA	3616N	00245E	981		898.3	1503 Y	16.1		13.3		10	75			142	
60444 BORDJ BOU ARRERIDJ	3604N	00446E	928		911.0	1518 Y	17.6		12.7		7	68			175	
60452 ARZEW	3549N	00016W	3		1013.4	1014.1	20.9		18.4		5	24			176	65
60457 MOSTAGANEM VILLE	3553N	00007E	137		997.0	1013.5	19.8		17.8		8	36			201	
60461 ORAN PORT	3542N	00039W	22		1011.3	1013.8	21.2		18.2		7	26				
60467 M'SILA	3540N	00430E	441		959.5	1013.8	20.5		16.1		12	83			196	55
60471 BARIKA	3520N	00520E	460				21.1		15.0		7	82			190	55
60476 KHENCHELLA	3525N	00709E	1116		904.8	1518 Y	18.7		12.9		8	82			160	

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb	mm	mm	hr	%		
60490 ORAN/ES SENIA	3538N	00036W	90		1002.9	1020.4			17.0		8	20	-11	3	191	80
60506 MASCARA METMORE	3536N	00018E	474		959.6	1013.9	18.7		15.8		11	34			193	55
60514 KSAR CHELLALA	3510N	00219E	800		925.5		19.0		14.4		8	82		0	192	55
60515 BOU-SAADA	3520N	00412E	461		963.3	1015.7	21.2		14.5		8	82			172	
60517 GHAZAOUET	3506N	00152W	83		1014.1	1014.7	21.3		18.9		7	51				
60518 BENI-SAF	3518N	00121W	68		1004.5	1012.3	20.9		19.4		7	32			190	55
60520 SIDI BEL ABBES	3511N	00237W	450		960.4	1014.4	18.8		15.4		6	24			189	55
60522 MAGHNA	3449N	00147W	426		965.3	1014.3	18.7		16.0		8	35			198	
60531 TLEMCEN (ZENATA)	3501N	00128W	247		985.8	1014.7	19.3		17.1		9	64			185	50
60540 EL KHEITER	3409N	00004E	1000		900.3	1491 Y	17.5		12.3		8	74			169	45
60545 LAGHOUAT	3346N	00256E	765		928.4	1518 Y	20.6		13.3		4	53			182	50
60550 ELBAYADH	3340N	00100E	1341		867.2	1517 Y	16.7		10.4		7	75			195	
60557 NAAMA	3316N	00018W	1166		885.0	1510 Y	18.2		11.6		5	62			167	
60559 EL OUED	3330N	00607E	63		1005.8	1013.7	25.3	3.3	17.6		4	21	14	5	208	
60560 AIN SEFRA	3246N	00036W	1058		894.4	1499 Y	19.6		12.3		6	47			180	
60571 BECHAR	3137N	00214W	773		923.0	1517 Y	22.7	1.5	11.8		6	24	14	4	187	50
60580 OUARGLA	3155N	00524E	141		996.3	1013.0	27.0		14.3		0	T			215	
60581 HASSI-MESSAOUD	3140N	00609E	142		997.1	1013.5	27.6	4.6	13.7		0	T	-4	2		
60590 EL GOLEA	3034N	00252E	397		968.1	1013.4	26.0	5.7	12.8		0	0	-2	3	250	70
60607 TIMIMOUN	2915N	00017E	312		976.1	1011.5	28.0	4.2	9.9		0	0	-2	3	236	
60611 IN AMENAS	2803N	00938E	562		950.9	1013.0	27.1	4.2	14.3		0	T	-3	3	272	
60620 ADRAR	2753N	00017W	263		979.7	1011.3	29.5	4.5	10.3		0	0	-1	4	253	
60630 IN SALAH	2712N	00228E	293				30.4	3.5	11.8		1	3	2	5	269	
60640 ILLIZI	2630N	00825E	558		952.0	1011.8	28.9		11.9		3	4				
60656 TINDOUF	2740N	00808W	431		961.9	1012.1	24.4		12.7		4	75			212	
60670 DJANET	2433N	00928E	1054		908.2	1546 Y	25.4	1.1	7.1		1	1	-1	4	319	105
60680 TAMANRASSET	2247N	00531E	1378		867.4	1541 Y	24.7	2.3	7.3		1	1	-2	4	284	75
TUNISIA																
60715 TUNIS-CARTHAGE	3650N	01014E	4		1013.2	1013.7	22.8	2.4	21.0		7	50	-15	3	159	73
60725 JENDOUBA	3629N	00848E	144		997.8	1014.3	21.8	2.4	17.3		8	55	8	4	166	80
60735 KAIROUAN	3540N	01006E	68		1006.6	1014.5	24.1	3.3	17.4		5	78	29	5	187	80
60745 GAFSA	3425N	00849E	314		978.8	1014.7	23.5	3.7	16.1		6	34	13	5	213	84
60765 GABES	3353N	01006E	5		1013.9	1014.5	25.6	3.9	19.5		4	10	-34	2	224	86
NIGER																
61052 NIAMEY-AERO	1329N	00210E	227		983.3	1007.8	32.9		23.0						303	105
61075 BIRNI-N' KONNI	1348N	00515E	273		978.2	1008.3	30.9		21.0		0	T		2	279	
61080 MARADI	1328N	00705E	373		965.9	1006.9	29.4		20.8		0	T		3	282	100
61090 ZINDER	1347N	00859E	453		958.9	1008.4	30.4		15.0		1	6		4	293	100
61096 MAINE-SOROA	1314N	01159E	337		970.8	1007.9	30.8		16.3		1	15		2	277	90
MALI																
61202 TESSALIT	2012N	00059E	491		955.5	1008.5	33.5		7.3		1	2	1		268	102
61223 TOMBOUCTOU	1643N	00300W	264		980.0	1009.0	32.1		16.2						297	109
61226 GAO	1616N	00003W	260		979.8	1008.4	33.3	1.2	14.9		3	28	25		285	102
61233 NARA	1510N	00717W	265				31.2	1.5	20.7		2	7	-4			
61240 HOMBORI	1520N	00141W	288			1008.0	32.9	1.0	18.6		4	0012	0000	1	297	110
61257 KAYES	1426N	01126W	47		1005.3	1010.6	29.9	.4	29.9		6	73	37	4		

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O'	O'	m		mb	mb	O _C	O _C	mb	mb		mm	mm		hr	
61265 MOPTI	1431N	00406W	272				30.2	1.2	26.6		3	12	-6			
61270 KITA	1304N	00928W	334		973.8	1010.0	27.6	.3	27.8		7	80	16	4		
61272 SEGOU	1324N	00609W	289		977.4	1009.3	29.6	1.4	27.6		1	8	-17	2	300	110
61277 SAN	1320N	00450W	284		978.0	1009.2	30.1	1.3	26.1		1	0029	0003	4		
61285 KENIEBA	1251N	01114W	132		995.8	1010.6	28.6	.9	30.1		3	77	-6	6	242	109
61291 BAMAKO/SENOU	1232N	00757W	381		968.7	1009.2	27.0	-.7	27.4		5	60	-5		274	108
61293 KOUTIALA	1223N	00528W	367		968.7	1009.3	28.7	1.2	29.1		7	65	20	4	282	104
61296 BOUGOUNI	1125N	00730W	351		970.8	1009.4	27.6	.6	27.8		8	48	-24	2		
61297 SIKASSO	1121N	00541W	375				27.5	.1	25.4		9	83	11	0	288	119
MAURITANIA																
61401 BIR MOGHREIN	2514N	01137W	360		972.5	1012.8	26.5		17.9		3	53		5		
61404 ZOUERATE	2245N	01229W	343		974.4	1012.7	27.7		14.7		5	64		6		
61437 AKJOUJT	1945N	01422W	120		998.8	1012.2	31.3		18.4		3	106		6		
61450 TIDJIKJA	1834N	01126W	402		966.5	1010.3	31.9		15.4		3	33		5		
61499 AIOUN EL ATROUSS	1642N	00936W	223		984.4	1008.6	32.8		18.5		5	26		5		
SENEGAL																
61600 SAINT-LOUIS	1603N	01627W	4		1010.6				31.4	5.4	4	62	39		215	83
61612 PODOR	1639N	01458W	7		1010.4	1011.2	29.9		28.1	7.9	5	75	60	5	212	
61627 LINGUERE	1523N	01507W	21		1007.7	1010.0	30.7		28.1	5.6	4	0064	0030	3	230	89
61630 MATAM	1539N	01315W	17		1008.1	1009.9	31.1		28.9	6.8	4	26	5	4	218	79
61641 DAKAR/YOFF	1444N	01730W	24		1008.2	1011.4	28.6		30.6	1.3	3	0042	0005	1	241	94
61679 KAOLACK	1408N	01604W	7		1011.2	1013.0	29.5		33.4		10	0030	-019	2	221	85
61687 TAMBACOUNDA	1346N	01341W	50		1004.9	1010.6	28.3		28.9	1.5	5	94	35	5		
OCEAN ISLANDS (UK)																
61901 ST. HELENA IS.	1556S	00504W	436		967.4	1018.3	17.4				6	14			94	135
MAURITIUS																
61974 AGALEGA	1026S	05645E	3		1013.2	1013.7	26.4	.4	27.7	1.1	10	139	60	5	206	
OCEAN ISLANDS (FRANCE)																
61976 SERGE-FROLOW (ILE TROMELIN)	1553S	05431E	13			1016.6	25.4		22.7		11	24		6	274	
61980 SAINT-DENIS/GILLOT (REUNION)	2053S	05531E	25			1018.7	23.3		19.5		6	19		6	215	
MAURITIUS																
61986 ST. BRANDON (ST. RAPHAEL)	1627S	05937E	4		1015.7	1016.1	25.4	1.0	24.4	-.1	6	36	6	4		
61988 RODRIGUES	1941S	06325E	59		1012.1	1018.4	23.3	.4	21.3	.7	9	24	-14	2	269	97
61990 PLAISANCE (MAURITIUS)	2026S	05740E	57		1013.5	1019.4	23.3	.9	21.1	.0	6	23	-44	1	276	118
EGYPT																
62306 MERSA MATRUH	3120N	02713E	29		1012.9	1016.4	23.2	1.6	18.8	.6					281	105
62337 EL ARISH	3105N	03350E	38		1010.9	1014.6	22.5	.7	19.7	.9						
62378 HELWAN	2952N	03120E	141		998.1	1014.6	24.5	1.2	16.5	1.1					289	100
62414 ASSWAN	2358N	03247E	194		989.1	1011.0	30.0	2.3	11.9	2.1					314	100
62435 KHARGA	2527N	03032E	73		1004.0	1013.2	22.8	-3.5	17.0	3.3					314	100
SUDAN																

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O'	O'	m		mb	mb	O _c	O _c	mb	mb		mm	mm		hr	
62600 WADI HALFA	2149N	03129E	183		989.2	1009.8	31.1	2.3	12.8		0	0	-T	5	301	85
62640 ABU HAMED	1932N	03319E	312		972.6	1007.1	33.0	1.5	12.7		0	0	-1	5	309	85
62641 PORT SUDAN	1935N	03713E	2		1006.5	1011.2	30.2	.9	27.9		0	0	-13	5	285	85
62650 DONGOLA	1910N	03029E	226		982.8	1009.0	31.9	2.5	9.0		0	0	-1	5	312	100
62660 KARIMA	1833N	03151E	249			1007.7	32.8	1.3	9.6		0	0	-1	5	313	85
62680 ATBARA	1742N	03358E	345		967.2	1005.6	33.1	1.0	15.3		1	4	3	4	294	85
62721 KHARTOUM	1536N	03233E	380		966.8	1005.9	33.2	.8	20.3		7	11	7	3		
62730 KASSALA	1528N	03624E	500				32.2	.7	15.1		1	3	-6	4	308	85
62751 WAD MEDANI	1424N	03329E	408		962.5	1007.3	29.0	-1.0	18.9		3	12	-4	3	312	85
62752 GEDAREF	1402N	03524E	599		940.8	1006.7	28.1	-1.2	21.3		1	11	-20	3	297	85
62760 EL FASHER	1337N	02520E	730		927.5	1006.3	30.9	3.4	11.6		1	2	-5	5	270	75
62762 SENNAR	1333N	03337E	418		959.1	1005.3	30.7	.8	22.7		2	20	7	3	305	85
62770 GENEINA	1329N	02227E	805		922.6	1009.1	29.9	3.2	11.3		1	1	-8	5	254	70
62771 EL OBEID	1310N	03014E	574		943.8	1006.6	30.4	1.0	16.5		2	7	-7	4	290	85
62772 KOSTI	1310N	03240E	381		964.4	1006.0	31.3	2.0	21.9		1	3	-7	4	305	85
62781 EN NAHUD	1242N	02826E	564		945.3	1007.6	30.4	1.2	14.7		1	20	7	3	268	75
62790 NYALA	1203N	02453E	674		937.5	1008.3	28.8	1.1	24.5		2	7	-11	4		
62795 ABU NA'AMA	1244N	03408E	445		957.4	1006.5	28.9	.0	23.0		3	12	-21	3	289	80
62805 DAMAZINE	1147N	03423E	470		954.4	1006.0	27.7	-.5	23.3		5	23	-22	3	264	100
62810 KADUGLI	1100N	02943E	499		953.7	1008.6	30.1	2.4	24.1		8	55	-6	2	219	65
62840 MALAKAL	0933N	03139E	388		964.9	1008.4	27.7	.0	25.6		5	110	35	1	234	85
62941 JUBA	0452N	03136E	457		955.7	1007.1	30.4	2.9	24.3		9	50	-51	2	231	60
ETHIOPIA																
63331 GONDAR	1232N	03725E	1667				20.2	-9.1	12.5		5	21	1			110
63402 JIMMA	0740N	03650E	1725		836.0		19.5	-9.8	16.1		7	92	72			120
63450 ADDIS ABABA-BOLE	0902N	03845E	2354		773.7	1010.9	15.9		8.4		2	6		2		
63471 DIREDAWA	0936N	04151E	1260		884.8		26.0	-3.3	12.0		1	2	-18			115
UNITED REPUBLIC OF TANZANIA																
63756 MWANZA	0228S	03255E	1140		886.8	1509 Y	24.4		18.4		4	14	-77	1		
63832 TABORA AIRPORT	0505S	03250E	1190		881.1	1489 Y	26.3		14.3		5	28	0	4		
63862 DODOMA	0610S	03546E	1120		890.8	1527 Y	24.0		14.3		2	76	75	6		
63894 DAR ES SALAAM AIRPORT	0652S	03912E	55		1007.9	1014.2	26.6		24.0		5	22	-44	1		
63962 SONGEA	1041S	03535E	1067		897.1	1536 Y	23.6		14.2							
63971 MTWARA	1016S	04011E	113		1001.6	1014.4	25.4		24.9		1	2	-26			
SEYCHELLES																
63980 SEYCHELLES INT. AIRPORT	0440S	05531E	3		1011.3	1011.7	27.0	.3	28.6	.9	10	163	-43	3	212	96
DEMO. REPUBLIC OF THE CONGO																
64210 KINSHASA/N'DJILI	0423S	01526E	312		974.5	1009.4	26.3		26.8		13	112				
CONGO																
64400 POINTE-NOIRE	0449S	01154E	17		1009.3	1011.3	25.0		28.6		14	121		4	83	80
64401 LOUBOMO	0412S	01242E	330				25.5		25.7		9	188				
64402 MOUYONDZI	0359S	01355E	512		952.9	1009.3	24.6		25.0		12	266				
64405 SIBITI	0341S	01321E	531				23.6		25.1		10	88				
64450 BRAZZAVILLE/MAYA-MAYA	0415S	01515E	316		974.7	1009.8	26.0		25.8		10	94		1	147	95

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O°	O°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
64452 M'POUYA	0237S	01613E	312				25.8		21.8		6	74				
64454 GAMBOMA	0152S	01552E	377		968.3	1009.7	25.7		26.0		13	291		3		
64456 MAKOUA	0001S	01535E	379				24.0		25.8		11	192		3		
64458 OUESSO	0137N	01603E	352		970.2	1009.5	24.9		27.1		14	233		0		
64459 IMPFONDO	0137N	01804E	326				25.0		27.4		9	142		1		
GABON																
64500 LIBREVILLE	0027N	00925E	15		1009.5	1010.8	26.4	.7	30.0		23	441	14		137	122
64501 PORT-GENTIL	0042S	00845E	4		1010.7	1011.7	26.1	.2	30.0		15	0185	0006		151	130
64503 MAYUMBA	0325S	01039E	34		1007.3	1011.4	25.3	.2	29.9		17	171	-43			
64510 BITAM	0205N	01129E	599				25.2	.9	25.6		15	130	-152			
64550 MOUILA	0152S	01101E	89			1019.1	26.6	-1	28.9		17	354	12			
64556 MAKOKOU	0034N	01252E	515		952.8	1009.4	24.5	.1	25.3		13	270	-27		127	95
CENTRAL AFRICAN REPUBLIC																
64650 BANGUI	0424N	01831E	366		968.8	1009.7	24.9		26.3		10	83			131	
64656 BANGASSOU	0444N	02250E	500		954.3	1009.1	29.0		26.6		15	223				
CHAD																
64706 MOUNDOU	0834N	01604E	410		962.0	1008.7	26.0		26.5	1.2	5	54	-3			
BENIN																
65306 KANDI	1108N	00256E	292		976.7	1009.1	28.9	1.1	27.9	3.1	4	17	-17	3	278	101
65319 NATITINGOU	1019N	00123E	461		959.0	1009.9	26.6	.2	26.5	1.9	8	73	-34	2	259	115
65330 PARAKOU	0921N	00237E	393		966.9	1010.5	26.6	.5	26.7	1.5	9	157	66	5	231	110
65335 SAVE	0802N	00228E	200		987.4	1009.8	27.1	.4	29.8	3.1	12	184	74	5	232	132
65338 BOHICON	0710N	00204E	167		992.0	1010.8	27.0	.0	29.6	2.1	11	55	-63	2	238	122
65344 COTONOU	0621N	00223E	9		1009.7	1010.8	27.7	1.0	31.1	1.8	13	256	130	5	205	99
GHANA																
65442 KUMASI	0643N	00136W	293		978.8	1011.9	25.9		27.3		18	180			201	50
BURKINA FASO																
65501 DORI	1402N	00002W	277		977.9	1008.5	31.0		23.7		6	40		5	306	
65502 OUAHIGOUYA	1334N	00225W	336		971.1	1008.0	30.8		22.7		3	18		3	291	
65503 OUAGADOUGOU	1221N	00131W	306		975.4	1009.2	29.8		26.1		5	55		4	288	95
65505 DEDOUGOU	1228N	00329W	300		975.8	1009.0	29.2		25.3		6	35		3	291	
65507 FADA N'GOURMA	1202N	00022E	309		974.8	1008.8	28.5		28.2		5	55		4	295	
65510 BOBO-DIOULASSO	1110N	00419W	460			1009.3	27.8		25.8		6	50		3	278	110
65516 BOROMO	1145N	00256W	271		979.2	1009.3	28.9		26.1		4	29		3	287	
65518 PO	1109N	00109W	322		973.3	1009.0	27.8		28.1		9	68		5	279	
65522 GAOUA	1020N	00311W	335		977.1	1009.6	28.1		28.2		6	72		3	258	
COTE D'IVOIRE																
65545 BONDOUKOU	0803N	00247W	370		968.9	1010.4	28.1	2.8	26.7	.4	8	117	-13	2		
65557 GAGNOA	0608N	00557W	210		986.5	1010.0			28.9	1.5	14	212	53	4	177	101
65592 TABOU	0425N	00722W	21		1009.2	1011.5	26.3	1.0	30.4	1.5	16	264	95	4	175	95
65599 SASSANDRA	0457N	00605W	66		1003.2		26.2	.7	30.3	1.9	13	93	9	4	203	94

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
COMOROS																
67005 DZAUDZI/PAMANZI (MAYOTTE)	1248S	04517E	7			1014.8	26.1		26.1		4	54		6	262	
MADAGASCAR																
67009 DIEGO-SUAREZ	1221S	04918E	105		1001.5	1014.6	25.2	.0	24.9	3.4					292	95
67027 MAJUNGA	1540S	04621E	18		1012.0	1014.1	27.1	.3	24.0	.0	2	9	-10	3	334	105
67073 MAINTIRANO	1803S	04402E	23		1012.2	1014.8	26.9	1.0	26.5	.8	1	3	-11	2		
67083 ANTANANARIVO/IVATO	1848S	04729E	1276		877.1	1543 Y	19.4	.9	15.1	.0	1	22	-53	2	304	121
67095 TAMATAVE	1807S	04924E	6		1016.7	1017.4	23.8	1.1	24.5	1.3	11	75	-57	2	275	119
67161 TULEAR	2323S	04344E	8		1013.7	1014.6	25.0	1.1	25.1	10.1						
67197 FORT-DAUPHIN	2502S	04657E	9		1015.1	1016.1	23.9	1.3	23.1	1.4	6	48	-51	1	272	113
MOZAMBIQUE																
67217 LICHINGA	1318S	03514E	1365		866.5	1528 Y	22.2				0	0		1	291	
67341 MAPUTO/MAVALANE	2555S	03234E	44		1009.1	1016.4					4	98		1	203	
MALAWI																
67586 LILONGWE INT'L AIRPORT	1347S	03346E	1229		879.6	1539 Y	22.7		13.2		1	4		4	327	
ZIMBABWE																
67964 BULAWAYO (GOETZ OBSY.)	2009S	02837E	1344		868.2	1526 Y	22.3		12.3		7	93	55	5	257	95
SOUTH AFRICA																
68174 PIETERSBURG	2350S	02925E	1237		883.9	1536 Y	20.9		12.4		2	6	2	1	264	100
68242 MMABATHO	2547S	02532E	1251		872.8	1530 Y	23.1		9.7		3	61			287	
68368 JOHANNESBURG INT. AIRPORT	2608S	02814E	1720		833.4	1531 Y	18.7		9.5		5	80	73	4	271	101
68424 UPINGTON	2842S	02127E	850		923.9	1522 Y	22.7		8.3		3	35	35	6	308	94
68438 KIMBERLEY	2848S	02446E	1196		882.0	1518 Y	21.2		8.1		3	4	1	2	271	89
68442 BLOEMFONTEIN AIRPORT	2911S	02630E	1359		862.2	1522 Y	18.9		6.5		2	16	12	2	288	99
68461 BETHLEHEM	2825S	02833E	1690		832.8	1526 Y	16.9		9.4		6	34		2	289	
68512 SPRINGBOK	2967S	01790E	1007		903.4	1517 Y	16.8		8.8		4	8		3	308	
68538 DE AAR	3065S	02400E	1287		871.3	1512 Y	19.5		7.1		3	17		3	326	
68588 DURBAN INTNL. AIRPORT	2958S	03095E	14		1015.9	1017.5	20.1		18.4		6	49	40	1	184	109
68618 CALVINIA	3128S	01946E	975		903.4	1517 Y	16.3		7.6		4	18		5	310	
68816 CAPE TOWN INTNL. AIRPORT	3397S	01860E	46		1011.0	1016.1	16.9		13.1		6	19	16	2	252	91
68828 GEORGE AIRPORT	3401S	02223E	190		994.3	1017.0	15.8		13.3		10	69			198	
68842 PORT ELIZABETH	3398S	02562E	69		1009.6	1016.9	16.8		14.8		6	64	59	4	219	93
68858 EAST LONDON	3302S	02750E	125		1002.3	1017.2	17.4		14.9		8	90	80	3	228	110
68994 MARION ISLAND	4653S	03752E	21		1007.9	1010.6	5.7		8.6		15	171	154	3	97	71
N AMERICA																
USA (ALASKA)																
70026 BARROW/W. POST W. ROGERS	7118N	15647W	4			1012.6	-4.6	5.7			8	38	27	5		
70133 KOTZEBUE, RALPH WIEN	6652N	16238W	5			1008.1	-.3	4.8	5.4		7	36	18	5		
70200 NOME	6430N	16526W	7			1007.0	.3	2.5	5.4		8	38	4	4		
70219 BETHEL/BETHEL AIRPORT, AK.	6047N	16148W	46			1006.1	2.1	3.5	6.4		5	24	-12	3		
70231 MCGRATH	6258N	15537W	103			1007.1	.6	4.7	6.5		7	29	-6	4		

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
70261 FAIRBANKS/INT.	6449N	14752W	138			1008.4	.3	4.1	6.5			18	-4	5		
70273 ANCHORAGE/INT.	6110N	15001W	40			1005.5	4.6	3.2	6.6			78	27	2		
70308 ST. PAUL	5709N	17013W	9			1008.2	4.4	1.2	6.9			31	-40	1		
70316 COLD BAY	5512N	16243W	31			1003.1	5.5	1.3	7.8			115	5	4		
70326 KING SALMON	5841N	15639W	15			1002.3	3.0	2.8	6.5			48	-4	4		
70341 HOMER/MUNICIPAL	5938N	15130W	22			1004.2	6.0	2.9	6.5			73	-9	3		
70361 YAKUTAT	5931N	13940W	9			1008.5	6.1	1.2	7.9			310	-273	6		
70398 ANNETTE ISLAND	5502N	13134W	34			1011.8	10.0	1.7	10.5			417	25	3		
USA																
72201 KEY WEST/INT., FL.	2433N	08145W	6			1013.7	28.2	1.5	27.2			52	-60	2		
72202 MIAMI, FL.	2549N	08017W	4			1013.9	27.0	1.3	25.7			104	-39	2		
72203 WEST PALM BEACH/INT., FL.	2641N	08006W	6			1014.3	26.3	.9	24.5			27	-140	0		
72205 ORLANDO/JETPORT, FL.	2826N	08119W	32			1014.9	24.3	.3	21.9			46	-15	3		
72206 JACKSONVILLE/INTNL., FL.	3030N	08142W	9			1015.8	21.3	.3	20.4			77	4	4		
72207 SAVANNAH/MUNICIPAL, GA.	3208N	08112W	15			1016.5	20.5	.9	18.4			77	17	6		
72208 CHARLESTON/MUN., SC.	3254N	08002W	15			1016.7	19.2	-1.1	17.2			94	21	4		
72211 TAMPA/INT., FL.	2758N	08232W	3			1014.9	24.9	1.1	20.9			12	-39	1		
72214 TALLAHASSEE/MUN., FL.	3023N	08422W	21			1016.1	20.8	.4	17.5			115	41	4		
72217 MACON/LEWIS B.WILSON, GA.	3242N	08339W	110			1016.9	19.0	.8	15.3			49	-6	4		
72218 AUGUSTA/BUSH FIELD, GA.	3322N	08158W	45			1016.6	17.6	-1.1	14.9			70	-2	4		
72219 ATLANTA/MUN., GA.	3339N	08425W	315			1017.2	17.4	.6	15.1			38	-39	3		
72223 MOBILE/BATES FIELD, AL.	3041N	08815W	67			1016.5	20.7	.5	16.6			77	3	4		
72226 MONTGOMERY/DANNELLY, AL.	3218N	08624W	62			1016.9	18.5	-3	16.7			43	-19	3		
72231 NEW ORLEANS/MOISANT INT., LA	2959N	09015W	9			1016.4	22.4	1.8	19.8			105	28	5		
72234 MERIDIAN/KEY, MS.	3220N	08845W	94			1016.9	17.7		16.7			127	5	5		
72235 JACKSON/ALLEN C. THOMP., MS.	3219N	09005W	101			1016.8	18.5	.3	16.1			80	-2	4		
72240 LAKE CHARLES/MUN., LA.	3007N	09313W	10			1016.9	21.1	.5	20.2			68	-32	3		
72242 GALVESTON, TX.	2918N	09448W	16			1016.1	23.6	.9	23.7			111	39	6		
72243 HOUSTON/INTERCONTI- NENTAL,	2958N	09521W	33			1016.0	22.1	1.2	19.2			128	20	4		
72248 SHREVEPORT/REG., LA.	3228N	09347W	79			1016.1	19.9	.7	15.6			49	-45	2		
72250 BROWNSVILLE/INT., TX.	2555N	09725W	7			1014.5	24.2	-1.1	26.6			177	106	6		
72251 CORPUS CHRISTI/INT., TX.	2746N	09730W	13			1015.1	23.2	-1.1	23.4			91	15	4		
72253 SAN ANTONIO/INT., TX.	2932N	09828W	242			1015.0	21.5	.3	18.0			49	-31	3		
72254 AUSTIN/ROBERT MUELLER., TX.	3018N	09742W	189			1015.5	20.7	-1.0	16.4			27	-60	2		
72255 VICTORIA/VICTORIA REG., TX.	2851N	09655W	36			1015.7	22.2	.1	21.9			118	31	4		
72256 WACO, MADISON-COOPER, TX.	3137N	09713W	155			1015.7	20.7	.4	17.7			99	14	6		
72259 DALLAS-FORT WORTH/FORT., TX.	3254N	09702W	182			1015.5	20.4	.8	15.5			20	-69	2		
72263 SAN ANGELO/MATHIS, TX.	3122N	10030W	582			1015.7	19.0	.0	16.0			86	25	5		
72265 MIDLAND/MIDLAND REG., TX.	3157N	10211W	872			1014.6	19.6	1.8	13.4			20	-24	2		
72266 ABILENE/MUN., TX.	3225N	09941W	546			1015.6	19.2	.1	15.7			46	-17	3		
72267 LUBBOCK/LUBBOCK INTL, TX.	3339N	10149W	988			1014.6	18.5	2.2	10.8			18	-29	2		
72270 EL PASO/INT., TX.	3148N	10624W	1194			1013.1	20.3	2.5	9.5			8	-11	3		
72274 TUCSON/INT., AZ.	3207N	11056W	779			1011.7	24.1	2.8	11.0			10	-16	3		
72278 PHOENIX/SKY HARBOR INTL, AZ.	3326N	11201W	337			1010.3	28.2	4.6	10.0			5	-11	3		
72290 SAN DIEGO/LINDBERGH, CA.	3244N	11710W	9			1013.6	19.8	.0	18.7							
72295 LOS ANGELES/INT., CA.	3356N	11824W	32			1013.0	19.7	.4	17.9			18	10	4		
72304 CAPE HATTERAS, NC.	3516N	07533W	3				18.6	.0				199	73	4		
72306 RALEIGH/RALEIGH-DURHAM, NC.	3552N	07847W	134			1017.4	15.2	-4	13.3			67	-5	2		

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
72308 NORFOLK/INT., VA.	3654N	07612W	9			1016.7	16.6	.4	13.5		8	100	20	4		
72310 COLUMBIA, SC.	3357N	08107W	69			1016.8	17.5	.1	14.5		9	103	26	4		
72312 GREENVILLE/SPATANBURG, SC	3454N	08213W	296			1016.7	15.8	.0	13.9		6	54	-47	2		
72314 CHARLOTTE/DOUGLAS, NC.	3513N	08056W	234			1017.3	15.6	-.7	14.1		6	36	-49	6		
72315 ASHEVILLE/MUN., NC	3526N	08233W	661			1017.7	12.6	-.7	11.0		7	60	-31	2		
72317 GREENSBORO/G.-HIGH PT., NC.	3605N	07957W	270			1017.5	14.6	-.2	12.7		9	44	-44	2		
72324 CHATTANOOGA/LOVELL FIELD, TN	3502N	08512W	210			1017.6	15.9	.1	13.5		5	30	-51	2		
72326 KNOXVILLE/MUN., TN.	3549N	08359W	299			1017.1	14.8	.1	13.3		4	31	-41	2		
72327 NASHVILLE/METROPOLITAN, TN.	3607N	08641W	180			1017.2	15.9	.1	11.7		4	47	-19	2		
72340 NORTH LITTLE ROCK/MUNICIPAL	3450N	09215W	165				18.7		16.5		3	40		2		
72344 FORT SMITH/MUN., AR.	3520N	09422W	141			1016.1	18.4	1.6	13.7		6	37	-56	2		
72351 WICHITA FALLS/SHEPS AFB TX	3358N	09829W	314			1015.1	19.8	1.7	13.5		0	9999	-069	1		
72365 ALBUQUERQUE/INT., NM.	3503N	10637W	1620			1015.3	16.8	2.9	7.2		4	40	18	5		
72386 LAS VEGAS/MCCARRAN, NV.	3605N	11510W	664			1012.2	24.1	3.9	7.4							
72389 FRESNO/AIR TERM., CA.	3646N	11943W	100			1013.9	21.0	2.6	10.9							
72401 RICHMOND/BYRD, VA.	3730N	07720W	54			1017.7	14.4	-.4	12.6		6	62	-27	3		
72405 WASHINGTON/NAT., VA.	3851N	07702W	20			1017.1	14.1	-1.3	11.2		6	100	24	4		
72406 BALTIMORE/BALTIMORE-WASHINGT	3911N	07640W	47			1016.7	12.7	-1.0	11.2		6	148	73	5		
72407 ATLANTIC CITY, NJ.	3927N	07434W	20			1016.6	12.2	-.5	11.7		8	122	51	5		
72408 PHILADELPHIA/INT., PA.	3953N	07515W	9			1016.5	13.2	-.4	11.0		9	113	47	5		
72411 ROANOKE/MUN., VA.	3719N	07958W	358			1017.6	13.3	-.3	11.1		6	39	-58	2		
72412 BECKLEY (RALEIGH CTY. MUN), WV.	3747N	08107W	766			1017.6	11.2	-.1	9.9		9	69	-4	3		
72414 CHARLESTON/KANAWHA., WV.	3822N	08136W	299			1017.1	12.6	-.8	10.5		9	63	-10	6		
72421 CINCINNATI/GREATER CIN., OH.	3903N	08440W	267			1016.3	12.4	-.4	10.9		4	54	-18	3		
72422 LEXINGTON/BLUE GRASS, KY.	3802N	08436W	301			1017.0	13.4		12.3		5	45		2		
72423 LOUISVILLE/STANDIFORD, KY.	3811N	08544W	149			1016.7	14.6	.4	11.9		6	49	-19	2		
72425 HUNTINGTON, WV	3822N	08233W	255			1016.7	13.2	-.2	9.5		9	52	-19	2		
72428 COLUMBUS/PORT COLUMBUS, OH.	4000N	08352W	254			1016.5	11.5	-.6	9.9		7	45	-9	6		
72429 DAYTON/. COX, OH	3952N	08407E	306			1016.9	11.2	-1.1	9.3		7	77	14	5		
72432 EVANSVILLE/REG., IN.	3803N	08732W	118			1016.8	14.3	.3	12.2		8	42	-30	3		
72434 ST. LOUIS/LAMBERT, ST., MO.	3845N	09022W	172			1016.0	15.6	.9	12.4		8	71	3	4		
72438 INDIANAPOLIS/I.-MUN/WEI., IN.	3944N	08616W	246			1016.2	12.4	-.2	10.4		5	68	2	4		
72439 SPRINGFIELD/CAPITAL, IL.	3951N	08940W	187			1016.1	12.7	-.4	9.9		5	77	11	4		
72445 COLUMBIA/REGIONAL, MO.	3849N	09213W	274			1016.3	13.7	.1	12.2		8	55	-26	2		
72476 GRAND JUNCTION/WALKER F., CO.	3907N	10832W	1475			1015.8	14.2	1.6	5.4		1	3	-21	1		
72483 SACRAMENTO/EXECUTIVECA.	3831N	12130W	8			1014.0	19.2	1.3	10.9		1	1	-26	2		
72486 ELY/YELLAND, NV.	3917N	11451W	1909			1016.4	10.5	2.8				2	-20	1		
72488 RENO/INT., NV.	3930N	11947W	1341			1016.7	15.4	5.0	6.5		0	9999	-009	2		
72494 SAN FRANCISCO/INTL, CA.	3737N	12223W	5			1015.3	17.3	1.2	12.8							
72503 NEW YORK/LA GUARDIA, NY.	4046N	07354W	9			1015.7	13.6	-.5	11.6		7	108	32	4		
72507 PROVIDENCE/GREEN STATE, RI.	4144N	07126W	19			1015.5	10.9	-1.1	10.3		13	140	47	5		
72508 HARTFORD/BRADLEY INTL, CT.	4156N	07241W	55			1015.2	9.9	-1.3	9.9		12	131	41	5		
72509 BOSTON/LOGAN INT., MA	4222N	07102W	9			1015.1	11.6	-1.1	10.0		8	158	75	5		
72513 WILKES-BARRE-SCRANTON, PA.	4120N	07544W	289			1015.3	9.2	-1.6	9.0		9	135	65	5		
72515 BINGHAMTON/BROOME CO., NY.	4213N	07559W	497			1016.0	7.7	-1.6	8.4		8	120	47	5		
72517 ALLENTOWN/A.-BETHLEHEM-, PA.	4039N	07526W	117			1016.3	10.7	-1.1	11.0		9	131	57	6		
72519 SYRACUSE/HANCOCK, NY.	4307N	07607W	124			1014.8	9.2	-1.2	9.0		11	109	27	4		
72520 PITTSBURGH/GREATER PITT., PA.	4030N	08013W	373			1017.0	10.2	-1.1	9.9		10	65	6	4		
72521 AKRON/AKRON-CANTON REG., OH.	4055N	08126W	377			1016.3	9.8	-1.5	9.3		12	65	6	6		

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					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
72525 YOUNGSTOWN, OH.	4116N	08040W	361			1016.0	9.3	-1.4	8.3		10	77	11	4		
72528 BUFFALO/GREATER BUFFALO, NY.	4256N	07844W	215			1014.6	9.3	-1.3	8.6		13	87	9	4		
72529 ROCHESTER/R-MONROE CTY., NY.	4307N	07740W	169			1014.7	9.0	-1.6	9.6		12	48	-14	3		
72530 CHICAGO/O'HARE, IL.	4159N	08754W	205			1015.2	11.0	-.6	9.6		5	48	-13	3		
72532 PEORIA/GREATER PEORIA, IL.	4040N	08941W	202			1015.8	12.5	.3	9.6		7	46	-21	3		
72533 FORT WAYNE/MUN.,BAER FL.,IN.	4100N	08512W	252			1016.4	10.2	-1.4	9.4		6	51	-12	3		
72535 SOUTH BEND/ST.JOSEPH CO.,IN.	4142N	08619W	236			1015.9	10.5	-.9	9.9		4	68	-10	3		
72536 TOLEDO/EXPRESS, OH.	4136N	08348W	211			1015.7	11.0	.3	8.5		7	70	17	4		
72537 DETROIT/METROPOLITAN, MI.	4214N	08320W	202			1015.4	10.4	-.3	9.5		6	70	17	6		
72544 MOLINE/QUAD CITY, IL.	4127N	09031W	181			1015.4	12.0	.3	9.4		6	32	-42	2		
72546 DES MOINES/MUN., IA.	4132N	09339W	294			1015.4	12.8	.9	9.9		5	30	-36	3		
72556 NORFOLK/KARL STEFAN, NE.	4159N	09726W	473			1015.2	12.6	1.8	9.0		2	26	-14	3		
72557 SIOUX CITY/MUN., IA.	4224N	09623W	336			1015.8	11.8	.8	9.3		3	16	-33	2		
72562 NORTH PLATTE/LEE BIRD, NE.	4108N	10041W	849			1016.1	12.2	2.4	7.8		2	14	-10	2		
72564 CHEYENNE, WY.	4109N	10449W	1872			1015.5	11.0		4.9		1	6		1		
72569 CASPER/NATRONA COUNTY I.,WY.	4255N	10628W	1612			1016.2	9.6	1.6	4.7		3	15	-9	6		
72572 SALT LAKE CITY/INTL, UT.	4047N	11158W	1288			1016.3	14.4	2.6	7.0		2	4	-32	1		
72576 LANDER/HUNT, WY.	4249N	10844W	1694			1015.7	10.3	2.1	4.8		2	23	-5	3		
72578 POCATELLO/NUM., ID.	4255N	11236W	1365			1018.0	10.6	1.7	6.5		0	0	-23	1		
72583 WINNEMUCCA/MUN., NV.	4054N	11748W	1322			1017.6	11.3	2.0			1	2	-13	2		
72594 EUREKA, CA.	4048N	12410W	18				12.6	.0			1	14	-53	1		
72597 MEDFORD/MEDFORD- JACKSON COU	4222N	12252W	405			1018.0	14.6		10.3		1	1		1		
72605 CONCORD/MUN., NH.	4312N	07130W	105			1015.0	8.7		8.8		9	108		4		
72606 PORTLAND/INTNL. JET PORT, ME	4339N	07019W	19			1014.6	8.8	-.4	9.4		7	168	69	5		
72617 BURLINGTON/INTL, VT.	4428N	07309W	104			1013.9	8.5	-.3	8.2		9	141	68	5		
72635 GRAND RAPIDS/KENT CO., MI.	4253N	08531W	245			1015.1	9.3	-.4	9.3		7	45	-26	2		
72636 MUSKEGON/COUNTY, MI.	4310N	08615W	193			1014.8	9.8	-.4	10.7		7	54	-17	6		
72637 FLINT/BISHOP, MI.	4258N	08345W	233			1015.2	9.7	-.4	9.1		6	51	-4	3		
72640 MILWAUKEE/GEN. MITCHELL, WI.	4257N	08754W	211			1015.1	10.7	.5	8.5		6	38	-23	3		
72641 MADISON/DANE COUNTY REGIONAL	4308N	08920W	264			1014.7	9.6	.2	9.0		7	41	-14	3		
72644 ROCHESTER/MUN., MN.	4355N	09230W	402			1014.8	9.3	.5	8.3		3	13	-45	1		
72645 GREEN BAY/A.-STRAUBEL, WI.	4429N	08808W	214			1014.3	8.8	-1.1	9.2		7	27	-29	6		
72651 SIOUX FALLS/FOSS FIELD, SD.	4335N	09644W	435			1014.5	10.4	1.2	9.1		2	23	-22	3		
72654 HURON/HURON REGIONAL, SD.	4423N	09813W	393			1014.2	10.8	1.6	8.1		5	30	-7	3		
72658 MINNEAPOLIS/ST.PAUL INTL,MN.	4453N	09313W	255			1013.9	10.6	1.3	8.4		3	16	-39	2		
72662 RAPID CITY/REGIONAL AIRPORT,	4403N	10303W	965			1015.4	11.4	2.1	6.3		1	12	-15	3		
72666 SHERIDAN/COUNTY, WY.	4446N	10658W	1209			1016.1	10.5	2.3	5.7		3	12	-18	2		
72677 BILLINGS/LOGAN INT., MT.	4548N	10832W	1088			1015.8	12.0	2.5	6.2		5	35	6	4		
72681 BOISE/MUN., ID.	4334N	11613W	874			1017.1	14.6	3.6	6.4		0	9999	-019	1		
72688 PENDLETON, OR.	4541N	11851W	456			1016.9	13.4	2.1	6.5		3	10	-11	2		
72698 PORTLAND/INT., OR.	4536N	12236W	12			1018.4	14.8	2.3	12.9		14	77	10	4		
72712 CARIBOU/MUN., ME.	4652N	06801W	190			1012.9	6.2	.0	7.9		12	167	89	5		
72734 SAULT STE. MARIE, MI.	4628N	08422W	221			1012.6	6.6	-.8	8.4		13	67	-15	3		
72745 DULUTH/INT.,MN.	4650N	09211W	432			1013.4	6.8	.3	7.4		4	40	-23	2		
72747 INT.FALLS/FALLS INT.MN.	4834N	09323W	361			1013.1	6.0	.2	7.3		4	26	-24	2		
72753 FARGO/HECTOR FIELD, ND.	4654N	09648W	274			1013.3	9.4	1.8	7.5		2	34	-8	3		
72764 BISMARCK/MUN.,ND.	4646N	10045W	506			1013.7	9.6	2.0	6.7		3	16	-6	3		
72767 WILLISTON/SLOULIN FIELD, ND.	4811N	10338W	581			1014.7	8.8	1.7	6.0		3	18	-1	3		
72768 GLASGOW/INTL, MT.	4813N	10637W	700			1014.9	10.1	2.3	5.9		5	15	0	3		

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					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O'	O'	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
72772 HELENA/COUNTY-CITY, MT.	4636N	11200W	1188			1018.7	10.5	3.2	5.9		3	9	-6	3		
72773 MISSOULA/JOHNSON-BELL F.,MT.	4655N	11405W	972			1019.6	9.0	2.2	6.5		5	17	-1	3		
72781 YAKIMA/YAKIMA AIR TERM.,WA.	4634N	12032W	325			1017.4	12.1	2.2	6.5		2	5	-6	2		
72785 SPOKANE/INT.,WA.	4738N	11732W	721			1017.5	11.0	2.5	7.4		3	13	-12	2		
72792 OLYMPIA, WA.	4658N	12254W	61			1017.8	11.7	1.9	11.7		15	272	163	6		
72797 QUILLAYUTE, WA.	4757N	12433W	62			1016.6	11.2		12.5		17	313		5		
CANADA																
71043 NORMAN WELLS, N.W.T.	6517N	12648W	74		1003.7	1013.1	.2	5.0	5.2		4	18	-11	2	83	
71066 HIGH LEVEL, ALTA	5837N	11710W	338		971.3	1013.0	3.2		6.4		10	30		4		
71069 SLAVE LAKE, ALTA	5518N	11447W	581		943.7	1013.7	5.6	1.7	6.9		7	15	-12	2		
71078 LYNN LAKE, MAN.	5652N	10105W	357		969.3	1013.3	1.8	2.1	6.0		10	47	4	4	87	110
71079 THOMPSON WEATHER OFFICE-MAN.	5548N	09751W	204		985.5	1013.2	1.4	1.4	5.2		7	18	-29	1		
71090 CLYDE, N.W.T.	7029N	06831W	26		1007.6	1011.0	-5.3	2.0	4.0		11	36	0	3		
71095 POND INLET, N.W.T.	7242N	07758W	55		1004.3	1011.5	-7.8		3.2		4	14		2		
71101 SANDSPIT, B.C.	5315N	13149W	6		1010.0	1010.8	10.5	1.4			18	154	-41	3		
71109 PORT HARDY, B.C.	5041N	12722W	22		1011.7	1014.3	9.7	1.1	10.4		21	367	108	5		
71197 PORT-AUX-BASQUES, NFLD.	4734N	05910W	40		1009.2	1013.9	9.8	2.8	10.1		16	95	-51	1		
71600 SABLE ISLAND, N.S.	4356N	06001W	4		1015.6	1016.3	13.6	2.1	11.5		12	129	8	3		
71603 YARMOUTH, N.S.	4350N	06605W	43		1009.9	1015.1	10.0	.7	10.9		12	121	14	3	175	110
71727 BAGOTVILLE, QUE.	4820N	07100W	159		992.6	1012.2	5.0	.0	6.9		16	102	25	5		
71803 GANDER INT. AIRPORT, NFLD.	4857N	05434W	151		995.5	1013.8	10.1	4.2	10.6		17	220	115	6	131	120
71813 NATASHQUAN, QUE.	5011N	06149W	11		1009.2	1010.5	6.4	2.5	8.1		12	134	25	4		
71816 GOOSE, NFLD.	5319N	06025W	49		1002.0	1008.0	5.8	3.3	6.5		10	103	25	5	109	120
71827 LA GRANDE RIVIERE, QUE	5338N	07742W	195		986.0	1010.3	1.8		6.3		15	54		1		
71828 SCHEFFERVILLE, QUE.	5448N	06648W	518		944.5	1007.9	1.0	2.4	5.7		16	138	63	6		
71842 SIOUX LOOKOUT, ONT.	5007N	09154W	390		965.3	1012.9	4.3	-2	6.9		11	48	-11	2		
71867 THE PAS, MAN.	5358N	10106W	271		979.4	1012.6	4.5	1.0	6.8		7	34	-3	3	128	105
71869 PRINCE ALBERT, SASK.	5313N	10541W	428		961.0	1013.1	5.6	1.9	6.4		5	16	-5	3		
71887 KAMLOOPS, B.C.	5042N	12027W	346		975.1	1016.6	11.1	2.6	8.3		5	15	1	3		
71905 KUUJUARAPIK, QUE.	5517N	07746W	10		1007.9	1009.2	2.8	.7	6.4		20	81	8	3		
71906 KUUJJUAQ, QUE.	5806N	06825W	37		1002.3	1007.3	1.6	2.4	5.4		17	76	24	5		
71907 INUKJUAQ, QUE	5827N	07807W	6		1004.4	1007.6	.6	.7	5.6		19	56	4	3		
71909 IQALUIT, N.W.T.	6345N	06833W	34		1003.8	1008.1	-1.3	3.6	4.8		10	26	-16	2		
71910 CAPE DORSET, N.W.T.	6413N	07632W	50		1001.0	1008.2	-1.8		4.9		10	26		1		
71924 RESOLUTE, N.W.T.	7443N	09459W	67		1005.1	1014.1	-11.0	4.2	2.7		7	38	25	5		
71926 BAKER LAKE, N.W.T.	6418N	09605W	18		1010.0	1012.4	-5.3	2.1	4.0		2	5	-30	0		
71935 HAY RIVER, N.W.T.	6050N	11547W	166		991.7	1012.5	3.2	2.3	6.5		9	40	6	4		
71945 FORT NELSON, B.C.	5850N	12235W	382		967.0	1013.9	3.4	2.4	6.2		8	22	-8	2		
71950 SMITHERS, B.C.	5449N	12711W	523		951.4	1013.9	5.2	.5	7.2		17	93	31	5		
71957 INUVIK, N.W.T.	6818N	13329W	68		1004.0	1012.8	-2.6	5.6	4.8		4	13	-16	1		
71964 WHITEHORSE, Y.T.	6043N	13504W	703		927.9	1012.9	3.0	2.3	5.4		4	10	-13	1	140	155
MEXICO																
76225 UNIV. DE CHIHUAHUA, CHIHUAHU	2838N	10605W	1435		854.6	1005.1	19.2		13.2		10	83		3		
76256 EMPALME, SON	2755N	11054W	11		1009.3	1010.7	27.7		23.4		2	90		4	309	
76311 CHOIX, SIN.	2643N	10817W	238		982.1	1008.5	28.5		25.7		3	44		1	243	
76382 TORREON, COAH.	2532N	10327W	1124		889.0	1010.1	22.3		16.9		2	42		5	223	
76390 SALTILLO, COAH	2527N	10059W	1790		823.5	1011.7	15.8		13.1		6	114		4	241	

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
76393 MONTERREY, N.L.	2552N	10012W	512		956.0	1013.9	22.8		20.6		9	167		5	184	
76402 CIUDAD CONSTITUCION B.C.S.	2500N	11140W	48		1006.8	1012.4	25.0		22.7		1	2		0	248	175
76405 LA PAZ, B.C.S.	2416N	11025W	18		1008.8	1010.9	27.8		24.0		1	10		3	264	
76423 DURANGO, DGO	2402N	10440W	1872		815.7	1011.4	17.3		13.4		11	40		4	231	175
76458 COLONIA JUAN CARRAS-CO MAZAT	2312N	10625W	4		1010.1	1010.5	27.7	.4	28.2	-.2	6	156		4	250	101
76548 TAMPICO, TAMPS	2213N	09751W	9		1011.3	1014.3	25.9	.4	26.0	.5	9	189	61	5	188	98
76556 TEPIC, NAY	2131N	10454W	922		910.2	1010.1	23.0		21.5		7	45		2	213	
76577 GUANAJUATO, GTO.	2101N	10115W	1999		804.7	1011.6	18.2	.3	14.6	1.1	6	41		1	210	86
76634 TULANCINGO, HGO.	2005N	09822W	2181		787.2	1017.6	17.2		13.0		7	39		2	200	
76647 VALLADOLID, YUC.	2042N	08813W	22		1009.4	1012.4	27.6		28.5		12	113		4	254	
76654 MANZANILLO, COL.	1903N	10420W	3		1009.2	1009.6	27.5		29.0		4	206		5	216	
76665 MORELIA, MICH.	1942N	10111W	1913		811.5	1011.3	18.4	1.0	14.8	1.4	10	149	96	6	205	110
76675 TOLUCA, MEX	1918N	09940W	2720		738.1	1010.9	13.2		10.8		8	70			207	
76692 HACIENDA YLANG YLANG VER.	1909N	09607W	13		1011.0	1012.9	26.6	.1	29.4	2.9	8	0259	0128	5	183	95
76698 FELIPE CARRILLO PUERTO, Q.RO	1935N	08802W	20		1011.8	1012.9	28.5		29.4		15	224		4	217	
76743 VILLAHERMOSA, TAB	1759N	09255W	10		1011.7	1012.5	26.4		32.2		20	496			155	
76750 CHETUMAL, Q.ROO	1829N	08818W	9		1010.4	1011.4	27.7		29.5		15	246		5	200	
76805 ACAPULCO, GRO.	1650N	09956W	13		1009.7	1010.1	28.0	.0	31.3	.7	9	204	59	4	236	97
76848 COMITAN, CHIS.	1615N	09208W	1530		837.6	1007.2	18.7		17.3		8	181		4	189	175
76903 TAPACHULA, CHIS.	1455N	09216W	182		1002.8	1016.3	27.3		29.4		17	200		1	141	
JAMAICA																
78388 MONTEGO BAY/SANGSTER	1830N	07755W	8		1011.9	1012.0	28.4		31.2		8	69			235	
78397 KINGSTON/NORMAN MANLEY	1756N	07647W	14		1009.5	1011.1	28.8		27.4		7	143		3	254	
DOMINICAN REPUBLIC																
78458 PUERTO PLATA	1945N	07034W	5		1010.5	1011.0	27.5		29.0		13	158				
78486 SANTO DOMINGO	1826N	06953W	14		1009.7	1011.3	28.1	1.4	30.3	3.0	12	115	-71	4		
PUERTO RICO AND US POSS																
78526 SAN JUAN/INTL, PUERTO RICO	1826N	06600W	19			1012.0	27.7	.0	29.6		10	123	-22	2		
BELIZE																
78583 BELIZE/PHILLIP GOLDSTON INTL	1732N	08818W	5		1011.1	1011.6	27.7	1.1	31.1		16	254	-1	3	208	107
NICARAGUA																
78741 MANAGUA A.C.SANDINO	1209N	08610W	56		1003.3	1009.5	26.9		28.6		19	177		3	225	80
COSTA RICA																
78762 JUAN SANTAMARIA	1000N	08413W	939		908.8	1010.2	22.1	.9	23.1		23	472	142	5		
78767 PUERTO LIMON	1000N	08303W	3		1010.1		27.0	1.6	30.1		11	310	112	5	177	108
ST. MAARTEN, ST. EUST., SABA																
78866 JULIANA AIRPORT, ST. MAARTEN	1803N	06307W	9		1012.7	1013.2	28.2	.4	27.1	-1.8	15	150	41	4	263	111
ST. MARTIN, ST. BARTH., GUAD.																
78897 LE RAISET, GUADELOUPE	1616N	06131W	11		1010.8		27.0	.0	29.3		19	340	112	5	171	85
MARTINIQUE																

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					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
78925 LE LAMENTIN	1436N	06100W	7		1011.0	1011.9	27.6	.9	29.4	.0	21	342	72	4	216	94
BARBADOS																
78954 GRANTLEY ADAMS	1304N	05929W	56		1005.7	1012.1	27.8		32.6		16	205		4	245	65
TRINIDAD AND TOBAGO																
78970 PIARCO INT. AIRPORT, TRINIDAD	1037N	06121W	15		1008.7	1011.2	27.6	1.2	30.9	2.2	12	117	-82	2	233	113
CURACAO AND BONAIRE																
78988 HATO AIRPORT, CURACAO	1212N	06858W	67		1010.0	1010.9	28.8	.5	30.4	.3	7	131	48	4	286	117
COLOMBIA																
80001 SAN ANDRES (ISLA)/SESQUICENT	1235N	08143W	6		1010.7	1010.8	27.7	.3	32.7	1.9	24	335	33	3	186	106
80002 PROVIDENCIA (ISLA)/EL EMBRUJ	1322N	08121W	6				28.1		31.1		18	355		1	206	105
S AMERICA																
COLOMBIA																
80009 SANTA MARTA/SIMON BOLIVAR	1108N	07414W	14		1009.1	1009.6	29.1	1.4	29.8	.8	7	78	-15	4	209	100
80022 CARTAGENA/RAFAEL NUNEZ	1027N	07531W	12		1009.3	1009.5	28.0	.4	31.7	1.3	12	161	-83	1	157	90
80028 BARRANQUILLA/ERNESTOCORTISSO	1053N	07447W	30		1008.1	1009.8	28.8	1.5	33.7	3.5	14	211	29	1	160	99
80084 APARTADO/LOS CEDROS	0748N	07642W	20				27.0		29.7		16	342		3	139	100
80091 BARRANCABERMEJA/YARIGUIES	0701N	07348W	134				27.0	-1.1	29.3	.9	20	554	161	5	140	86
80094 BUCARAMANGA/PALONEGRO	0706N	07312W	1189		881.3		21.1		22.0		11	152	-5	2	130	85
80097 CUCUTA/CAMILO DAZA	0756N	07231W	317		974.0	1008.5	28.0	.4	25.9	.5	12	96	-44	4	187	96
80099 ARAUCA/SANTIAGO PEREZ	0704N	07044W	128		992.8	1005.2	28.7	2.0	29.3	.5	6	96	-65	4	174	92
80112 RIONEGRO/J. M. CORDOVA	0608N	07526W	2142		790.5		16.0		15.8		21	215		1	111	80
80139 PUERTO CARRENO/A. GUAUQUEA	0610N	06730W	55				28.5	1.0	28.4	1.0	13	316	129	1	187	97
80144 QUIBDO/EL CARANO	0543N	07637W	53				26.1	.1	29.4	.2	29	747	126	4	98	83
80210 PEREIRA/MATECANA	0449N	07544W	1342		865.4		21.3	.4	19.9	.6	25	323	49	1	137	101
80214 IBAGUE/PERALES	0426N	07509W	928				23.4	.3	23.5	1.0	17	217	-15	1	118	81
80222 BOGOTA/ELDORADO	0442N	07408W	2546		752.1		13.2	.0	12.4	-2	13	55	-60	1	94	79
80234 VILLAVICENCIO/VANGUARDIA	0410N	07337W	431		959.1	1008.0	25.8	.7	25.6	.6	23	399	-32	1	146	97
80241 LAS GAVIOTAS	0433N	07055W	167		988.6	1007.9	26.0	.2	28.2	.4	17	382	116	2	157	95
80259 CALI/ALFONSO BONILLARAGON	0333N	07623W	969		905.7		23.1		22.2		13	184	66	2	160	105
80315 NEIVA/BENITO SALAS	0258N	07518W	443		957.3	1005.6	28.1	.6	24.6	.7	9	196	-16	3	173	103
80370 IPIALES/SAN LUIS	0049N	07738W	2961				11.7	.6	11.0	.1	15	87	-20	1	145	123
80398 LETICIA/VASQUEZ COBO	0433S	06932W	84		1002.3	1011.8	26.5	.2	29.7	.7	18	175	-116	1	166	97
VENEZUELA																
80403 CORO	1125N	06941W	17				29.8	1.5	30.2		4	14	-39	1	258	103
80407 MARACAIBO-LA CHINITA	1034N	07144W	65		1001.1	1008.6	27.5	.0	30.8		14	90	-24	3	152	84
80410 BARQUISIMETO	1004N	06919W	614				24.4	.4	24.1		6	42	-7	3	238	105
80413 MARACAY - B.A. SUCRE	1015N	06739W	437		961.5	1009.6	26.8	2.1	29.3		16	189	90	5	230	98
80415 CARACAS/MAIQUETIA AEROP. INT	1036N	06659W	48		1003.9	1009.3	28.5	1.2	30.1		4	36	-20	3	222	107
80416 CARACAS/LA CARLOTA	1030N	06653W	835				24.3	1.9	22.5		12	143	20		208	99
80419 BARCELONA	1007N	06441W	7		1008.7	1009.6	27.9	.9	29.7		10	50	-9	3	227	86
80420 CUMANA	1027N	06411W	4		1009.4	1010.0	27.7		28.7		7	49			235	95

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					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O'	O'	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
80421	PORLAMAR (AEROPUERTO INT. DE	1055N	06358W	19	1008.0	1010.2	29.1		33.4		3	23			289	105
80423	GUIRIA	1035N	06219W	14	1001.9	1002.6	26.6	-.8	23.9		10	112	-4	3	236	103
80425	MENE GRANDE	0949N	07056W	28			27.9	1.0	31.5		14	181	3	3	159	84
80426	VALERA	0921N	07037W	582			24.8		25.0		20	206			149	105
80427	ACARIGUA	0933N	06914W	225			25.8	.2	26.8		14	248	71		203	101
80428	GUANARE	0901N	06944W	163			26.7	.9	28.5		12	189	17		200	97
80431	SAN JUAN DE LOS MORROS	0955N	06720W	429		1005.5	26.9		27.3		6	81			205	
80432	CARRIZAL	0925N	06655W	161	988.4	1006.3	26.9		29.5		10	136			220	90
80434	VALLE DE LA PASCUA	0913N	06601W	125	990.7	1005.3	26.9		27.3		6	81			205	
80435	MATURIN	0945N	06311W	66	1002.6	1010.1	27.9	1.2	29.8		6	58	-49	1	248	107
80437	EL VIGIA	0838N	07139W	103			27.4		25.6		13	178			153	
80438	MERIDA	0836N	07111W	1498	849.5	1492 Y	20.0	.9	18.2		23	446	163	6	167	87
80440	BARINAS	0837N	07013W	204			26.4		28.5		15	183			168	
80442	CALABOZO	0856N	06725W	101			27.3		28.6		13	209			211	
80444	CIUDAD BOLIVAR	0809N	06333W	48	1004.0	1008.7	28.7	.5	29.2		9	54	-43	1	242	93
80447	SAN ANTONIO DEL TACHIRA	0751N	07227W	378			27.5	1.2	22.1		10	90	-30	3	160	83
80448	GUASDUALITO	0714N	07048W	131			25.9	.0	28.1		10	93	-94		198	102
80450	SAN FERNANDO DE APURE	0754N	06725W	48			27.2	.1	30.5		10	134	35	4	236	98
80453	TUMEREMO	0718N	06127W	181	986.1	1006.3	26.9	.9	29.2		3	9	-67	0	225	101
80457	PUERTO AYACUCHO	0536N	06730W	74	1003.2	1011.7	26.9	.7	23.2		17	397	214	6	173	86
80462	SANTA ELENA DE UAIREN	0436N	06107W	907			22.4	.9	22.3		13	118	-4	3	225	93
80472	VALENCIA	1010N	06756W	431	960.6	1008.4	24.8		26.9		13	202			202	
80475	STO. DOMINGO (B.A.)	0735N	07204W	327			24.4		23.6		12	233			177	100
80479	PALMICHAL	1018N	06814W	1000	899.9		21.4		22.0		18	151			157	
GUYANA																
81001	GEORGETOWN	0648N	05809W	2	1010.6	1011.0	28.5	.9	30.3	.5	5	12	-95	1	230	98
81002	TIMEHRI CHEDDI JAGAN INTERNA	0630N	05815W	30	1007.2	1010.7	27.8	1.8	29.9	1.2	11	82	-54			
SURINAME																
81225	ZANDERIJ	0527N	05512W	15	1008.0	1010.4	28.0				7	34				
FRENCH GUIANA																
81405	CAYENNE/ROCHAMBEAU	0450N	05222W	9	1009.9	1010.8	27.1		28.9		5	60	-21	3	256	98
81415	MARIPASOULA	0338N	05402W	106	998.8	1010.8	27.3		27.3		6	103	31	4		
BRAZIL																
82024	BOA VISTA	0249N	06039W	90			28.4		31.0		7	60		3		
82098	MACAPA	0002N	05103W	15	1009.3	1011.1	28.6	.7	29.2		2	17	-18	2	295	105
82106	SAO GABRIEL DA CACHOEIRA	0008S	06705W	90			28.8		31.3		12	170		4	173	
82191	BELEM	0127S	04828W	10	1009.1	1009.7	27.4	1.0	30.0		10	128	12	4	221	97
82212	FONTE BOA	0232S	06610W	56	1002.9	1011.2	27.2				11	115		2	151	
82246	BELTERRA	0238S	05457W	176	992.1	1012.0	26.8	1.0	31.9		3	36	-11	3	221	95
82280	SAO LUIZ	0232S	04418W	51	1005.1	1010.9	27.9	1.3	28.8		0	T	-10	2	252	100
82287	PARNAIBA	0305S	04147W	22	1004.5	1007.2	28.3	.8	26.2		0	0	-3	4	306	101
82397	FORTALEZA	0346S	03836W	26	1009.6	1012.7	27.6	.6	26.9		2	4	-11	1	306	103
82410	BENJAMIN CONSTANT	0423S	07002W	65			27.1		31.1		10	253		4	147	
82425	COARI	0405S	06308W	46	1005.3	1010.9	27.6		31.0		13	186		3	147	
82445	ITAITUBA	0416S	05559W	45	1006.9	1012.1	28.7	.9	34.0		4	86	4	4	199	110

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					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb		mm	mm		hr	
82533 MANICORE	0549S	06118W	50		1004.7	1010.2	26.8		38.1		13	170		2	147	
82562 MARABA	0521S	04909W	95		999.1	1009.8	28.4	1.7	28.2		4	56	-63	1	134	126
82571 BARRA DO CORDA	0530S	04516W	153		992.3	1011.7	29.8	2.8	25.4		1	12	-36	1	231	143
82578 TERESINA	0505S	04249W	74		1001.3	1011.3	30.3	1.3	26.2		0	0	-18	0	303	122
82586 QUIXERAMOBIM	0512S	03918W	212		986.0	1009.6	28.3	.5	21.4		0	0	-2	3	308	113
82598 NATAL	0546S	03512W	45		1008.1	1013.4	26.8		28.4		3	22		3	297	100
82678 FLORIANO	0646S	04301W	123		995.9	1011.1	31.6	2.8	19.6		1	28	-36	2	292	132
82704 CRUZEIRO DO SUL	0738S	07240W	170		986.1	1005.4	26.6		28.6		4	65		0	134	
82723 LABREA	0715S	06450W	60		1001.8	1010.0	26.6		30.0		15	255		4	113	
82765 CAROLINA	0720S	04728W	192		989.3	1013.1	28.2	1.6	28.4		8	96	-60	1	178	114
82825 PORTO VELHO	0846S	06305W	95		999.6	1006.5	24.8	-1.0	28.1		13	110	-75	2	154	103
82861 CONCEICAO DO ARAGUAIA	0815S	04912W	160		990.8	1007.3	27.4	1.4	28.3		9	148	-21	3	174	107
82900 RECIFE (CURADO)	0803S	03455W	7		1013.5	1014.4	26.0	.5	25.6		12	52	-14	3	258	104
82915 RIO BRANCO	0958S	06748W	136		1001.4	1009.6	26.2	.5	28.5		9	49	-122	0	167	114
82983 PETROLINA	0923S	04029W	370		970.6	1011.7	28.0	.2	19.6		0	0	-21	3	281	109
83064 PORTO NACIONAL	1031S	04843W	250		983.1	1009.7	27.0	.2	25.7		5	56	-127		163	93
83096 ARACAJU	1055S	03703W	6		1014.4	1015.1	26.0	.1	25.7		9	149	77	5	281	112
83186 JACOBINA	1111S	04028W	484		959.4	1012.6	25.1	.4	17.4		1	2	-29	1	227	113
83229 SALVADOR	1301S	03831W	51		1009.7	1015.7	25.5	.5	25.3		9	72	-50	2	250	110
83235 TAGUATINGA	1216S	04626W	660		943.7	1009.7	26.2		19.8		6	27	-118	1	187	111
83236 BARREIRAS	1209S	04500W	440		960.8	1009.0	27.6	1.7	19.4		2	33	-70	2	248	116
83242 LENCOIS	1234S	04123W	438		964.3	1013.4	25.4	1.6	17.2		4	15	-80	1	222	153
83264 VERA (GLEBA CELESTE)	1212S	05630W	415				26.0	1.0	26.8		14	272	94	6	142	90
83288 BOM JESUS DA LAPA	1316S	04325W	440		961.4	1009.5	28.6	1.8	17.1		3	30	-44	1	278	130
83332 POSSE	1406S	04622W	950		921.9	1011.3	26.4	2.0	17.8		5	29	-94	1	207	115
83344 VITORIA DA CONQUISTA	1457S	04053W	893		917.8	1014.3	20.6	-1.1	16.5		3	7	-49	1	231	131
83361 CUIABA	1533S	05607W	179		993.4	1013.7	27.4	.0	28.6		10	132	17	5	176	81
83377 BRASILIA	1547S	04756W	1158		886.7	1011.3	22.5	.4	15.3		7	65	-107	1	183	109
83423 GOIANIA	1641S	04917W	729		930.0	1010.4	25.6	1.0	19.1		11	110	-60	2		
83437 MONTES CLAROS	1643S	04352W	646		940.7	1011.4	25.0	1.3	15.2		4	54	-56	2	245	124
83492 TEOFIL OTONI	1751S	04130W	356		974.9	1013.0	24.8	1.9	18.5		2	9	-116	1	201	144
83498 CARAVELAS	1744S	03915W	3		1016.4	1016.9	24.2	.0	22.9		9	54	-93	2	213	118
83552 CORUMBA	1900S	05739W	130		993.4	1010.8	27.8	1.2	31.3		6	53	-29	2		
83579 ARAXA	1934S	04656W	1004		902.4	1012.8	22.2	.8	16.3		7	69	-84	1	217	106
83587 BELO HORIZONTE	1950S	04356W	850		913.3	1012.6	22.8	.9	15.1		4	22	-101	1	221	116
83592 CARATINGA	1948S	04209W	609		946.9	1014.7	21.5	-5	17.6		1	46	-73	1	203	126
83618 TRES LAGOAS	2047S	05138W	313		975.9	1013.4	25.2	.0	21.7		6	153	26	3	212	94
83648 VITORIA	2019S	04020W	36		1012.9	1017.2	24.0	.5	22.2		10	105	-21	3	178	
83676 CATANDUVA	2108S	04858W	536				19.9	-3.3	18.8		11	147	34	4	188	93
83698 CAMPOS	2145S	04120W	11		1015.4	1016.8	23.7		22.8		10	84		1		
83702 PONTA PORA	2232S	05544W	650		937.5	1013.2	22.6	1.0	19.1		7	132	-43	2	218	104
83766 LONDRINA	2323S	05111W	566		950.5	1015.0	22.5	1.8	18.4		9	78	-78	1	209	114
83781 SAO PAULO	2330S	04637W	792		926.1	1015.4	20.1	1.1	16.8		7	127	4	3		
83836 IRATI	2528S	05038W	837		917.4	1013.8	17.7		15.8		9	186		4	155	
83842 CURITIBA	2526S	04916W	923				17.0	.5			7	81	-53	1	149	109
83881 IRAI	2711S	05314W	247		985.8	1015.5	21.3	1.1	19.1		11	265	90	4	222	110
83897 FLORIANOPOLIS	2735S	04834W	2		1016.4	1016.6	20.7	1.1	19.3		12	111	-15	3	173	109
83967 PORTO ALEGRE	3001S	05113W	47		1011.9	1017.7	20.0	.8	17.7		8	190	76	5	210	104
83980 BAGE	3120S	05406W	217		987.6	1015.8	18.0	.5	16.7		7	168	38	4	236	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.
	O'	O'	m		mb	mb	O _c	O _c	mb	mb		mm	mm		hr	
83997 ST.VITORIA DO PALMAR	3331S	05321W	24		1013.9	1018.3	16.4	.7	15.3		4	50	-37	2	235	112
PERU																
84370 TUMBES	0333S	08024W	27		1007.5	1010.2	24.5		27.2							
84377 IQUITOS	0345S	07315W	126		998.9	1009.5	26.3		27.8		16	234	-7	3		
84401 PIURA	0511S	08036W	55		1009.0	1015.9	22.9		19.4							
84452 CHICLAYO	0647S	07950W	34		1011.6	1014.7	19.3		17.2							
84455 TARAPOTO	0627S	07623W	282		981.6	1016.5	28.7		27.9		7	121	4	4		
84501 TRUJILLO	0806S	07902W	30		1010.9	1015.0	18.3		17.2							
84515 PUCALLPA	0825S	07436W	149		992.4	1009.9	28.0		27.9		5	40				
84628 LIMA-CALLAO/AEROP. INTERNACI	1200S	07707W	13		1012.7	1014.3	17.2		16.3						79	
84686 CUZCO	1333S	07159W	3249		687.7		13.2		7.3		7	27	-20	2		
84691 PISCO	1345S	07617W	7		1012.8	1013.5	18.2		16.4							
84735 JULIACA	1529S	07009W	3826		644.2		11.3		7.1		3	15	-26	1		
84752 AREQUIPA	1619S	07133W	2539		753.5		16.0		4.9							
84782 TACNA	1804S	07018W	469		964.0	1017.2	18.2		14.2							
BOLIVIA																
85033 GUAYARAMERIN	1049S	06521W	130		993.7	1009.4	27.5		19.6		8	154		3		
85041 COBIZA	1102S	06847W	235		983.0	1014.2	27.0		19.6		10	228		4		
85043 RIBERALTA	1100S	06607W	141		993.5	1009.4	28.1		19.7		2	35		1		
85104 SAN JOAQUIN	1304S	06449W	140		990.8	1007.8			14.0		12	111		3		
85109 SAN RAMON	1318S	06442W	140		991.6	1007.5	27.5		19.9		8	95				
85114 MAGDALENA	1320S	06407W	141		990.9	1007.5	27.7		19.8		8	164		5		
85123 SANTA ANA	1346S	06526W	144		992.4	1008.7	27.6		18.6		6	65		2		
85141 RURRENABAQUE	1428S	06734W	204		986.4	1009.5	26.3		19.6		7	114		2		
85151 APOLO	1444S	06830W	1415		857.9		22.6		15.5		8	124		2		
85152 SAN BORJA	1452S	06652W	194		986.9	1009.5	27.0		17.5		7	107		2		
85153 SAN IGNACIO DE MOXOS	1455S	06536W	160		992.1	1010.3					3	7		0		
85154 TRINIDAD	1449S	06455W	155		991.8	1009.4	27.0		18.0		6	149		4		
85175 ASCENION DE GUARAYOS	1543S	06306W	247		981.6	1001.6	26.8		17.4		8	136		5		
85195 SAN JAVIER	1616S	06228W	534		951.2	1011.5	25.0		16.2		9	284		6		
85196 CONCEPCION	1609S	06201W	497		954.4	1010.7	25.7		16.2		6	178		5		
85201 LA PAZ/ALTO	1631S	06811W	4038		629.2		8.6		3.7		9	43		4		
85207 SAN IGNACIO DE VELASCO	1623S	06058W	413		964.1	1010.8	26.2		16.2		4	73		3		
85210 SAN MATIAS	1620S	05823W	124		997.8	1011.7	27.8		18.3		6	166				
85223 COCHABAMBA	1725S	06611W	2548		748.4		19.8		7.2		3	47		6		
85242 ORURO	1758S	06704W	3072		654.0		10.0		2.9		2	17		4		
85245 SANTA CRUZ/EL TROMPILLO	1748S	06311W	418		961.3	1009.6	26.1		15.6		6	127		4		
85247 SAN JOSE DE CHIQUITOS	1748S	06044W	284		978.6	1011.3	27.7		15.4		7	77		3		
85264 VALLEGRANDE	1828S	06406W	1998		797.6		18.3		9.2		3	6				
85268 ROBORE	1819S	05946W	276		978.8	1011.6	27.5		18.5		9	80		2		
85283 SUCRE	1901S	06518W	2904				15.8		6.3		4	30		2		
85289 PUERTO SUAREZ	1859S	05749W	134		990.1	1008.6	27.9		18.1		6	43		1		
85293 POTOSI	1933S	06544W	3935		636.2		5.8		3.1		3	14				
85315 CAMIRI	2000S	06332W	798		921.0	1010.9	25.4		20.0		4	73		5		
85345 VILLAMONTES	2115S	06327W	398			1015.3	27.5		12.6		5	64				
85364 TARIJA	2133S	06442W	1854		814.7		20.1		9.2		8	45		4		
85365 YACUIBA	2157S	06339W	645		939.4	1012.6	24.3		12.8		7	85		4		

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUNSHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
CHILE																
85406 ARICA	1821S	07020W	55		1011.0	1015.2	18.6	1.1	14.6	-.4	0	0	0	5	221	120
85418 IQUIQUE	2032S	07011W	48		1009.6	1015.3	18.0	1.1	13.4	-.7	0	0	0	5	244	105
85442 ANTOFAGASTA	2326S	07027W	140		998.9	1015.8	16.4	.9	13.7	.4	0	T	-1	4	275	115
85469 ISLA DE PASCUA	2710S	10926W	69		1012.9	1021.1	19.3		15.0		6	75	74	4	222	105
85470 COPIAPO	2718S	07025W	290		979.5	1013.5	15.6	.8	12.9	.4	0	0	-1	5	251	95
85488 LA SERENA	2955S	07112W	146		1000.2	1016.1	13.2	.3	13.0	.8	0	T	-2	2	157	85
85574 PUDAHUEL	3323S	07047W	474		960.5	1015.4	15.8	3.5	10.7	-1.6	0	T	-9	2	281	110
85577 SANTIAGO QUINTA NORMAL	3326S	07041W	520		955.4	1014.9	16.8	4.5	11.8	-.5	0	T	-9	1	261	120
85585 ISLA JUAN FERNANDEZ	3337S	07849W	30		1016.6	1020.3	13.6	1.3	11.6	-.7	6	31	22	2	209	
85629 CURICO	3458S	07113W	220								2	15	-20	2	248	115
85672 CHILLAN	3635S	07202W	148								4	48	-21	3	269	110
85682 CONCEPCION	3646S	07304W	13		1017.7	1018.7	12.0	.5	10.9	-.1	5	61	-3	3	269	105
85743 TEMUCO	3846S	07238W	93		1007.9	1019.2	10.6	.0	9.5	-.9	8	77	-8	3	198	105
85766 VALDIVIA	3938S	07305W	19								11	119	10	3	174	90
85782 OSORNO	4036S	07303W	58								11	96	16	4		
85799 PUERTO MONTE	4126S	07306W	90		1006.8	1017.9	10.0	.4	10.3	.3	16	95	-25	2	141	95
85864 COYHAIQUE	4536S	07206W	311		973.4	1010.6	7.9	-.5	7.4	-.3	12	218	164	6	153	
85874 BALMACEDA	4555S	07142W	522		947.4	1009.6	6.3	-.4	6.8	.2	13	147	118	6	216	
85934 PUNTA ARENAS	5300S	07051W	43		992.9	998.8	5.7	-.7	5.2	-1.7	8	61	33	6	224	120
PARAGUAY																
86011 BASE 5 'GRAL A.JARA'	1932S	05922W	150		994.0	1011.4	27.5		21.8		6	68		2		
86033 BAHIA NEGRA	2013S	05810W	96		1000.7	1009.8	26.7		23.3		7	94		2		
86065 PRATS-GIL	2242S	06130W	220		986.3	1010.7	26.7		19.5		5	67		4		
86068 MARISCAL ESTIGARRIBIA	2201S	06036W	181		990.8	1008.3	28.0	1.4	22.4	5.2	4	55	3	4		
86086 PUERTO CASADO	2217S	05752W	87		1001.9	1011.7	26.2	.6	21.6	.6	7	86	-25	2		
86097 PEDRO JUAN CABALLERO	2235S	05539W	662		949.3	1010.2	23.7		18.9		9	134		2		
86134 CONCEPCION	2325S	05718W	74		1002.5	1011.6	25.0	.5	22.8	2.5	8	142	18	4		
86185 SAN PEDRO	2404S	05705W	80		1002.7	1011.9	24.3		21.9		10	311		6		
86210 SALTOS DEL GUAIRA	2403S	05419W	300		977.1	1011.6	23.1		20.6		6	146		2		
86218 ASUNCION/AEROPUERTO	2516S	05738W	101		1002.3	1011.9	24.6	1.4	20.7	2.1	9	165	50	5		
86233 VILLARRICA	2545S	05626W	161		992.4	1010.8	23.3	1.0	20.7	1.9	7	271	116	5		
86246 AEROPUERTO INT GUARANI	2527S	05451W	236		985.2	1013.5	23.3		19.4		10	256		5		
86248 CIUDAD DEL ESTE	2532S	05436W	196		991.0	1012.2	23.5	1.4	20.1	.9	11	260	84	5		
86255 PILAR	2651S	05819W	56		1005.9	1012.4	23.0	.5	20.9	2.2	8	166	31	4		
86260 SAN JUAN BAUTISTA MISIONES	2640S	05709W	126		996.5	1010.7	23.3	1.9	20.0	3.2	9	194	9	3		
86297 ENCARNACION	2719S	05550W	91		1001.4	1011.9	22.6	2.0	20.0	2.4	9	249	68	4		
URUGUAY																
86330 ARTIGAS	3023S	05630W	120		1000.1	1014.2	19.9	1.2	16.0	1.6	10	146	9	4	238	96
86350 RIVERA	3053S	05532W	241		986.9	1014.9	19.0		15.3		6	94		2	244	105
86360 SALTO	3123S	05757W	33		1009.3	1014.3	19.6	1.6	15.0	.7	5	0084	-034	2	254	105
86430 PAYSANDU	3220S	05802W	61		1008.6	1016.0	18.9		14.7		5	48		2	256	105
86440 MELO	3222S	05413W	100		1003.2	1015.2	17.8	.9	15.0	1.3	9	61	-41	2	256	110
86460 PASO DE LOS TOROS	3248S	05631W	75		1005.7	1014.8	17.9	.6	15.0	.6	5	48	-63	2	249	111
86490 MERCEDES	3315S	05804W	17		1012.3	1014.5	18.2	1.4	14.5	.0	6	0075	-027	1	267	114
86500 TREINTA Y TRES	3313S	05423W	46		1010.2	1015.8	17.3	1.0	14.4	.3	3	73	-25	2	260	118

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb	mm	mm	hr	%		
86560 COLONIA	3427S	05750W	23		1011.4	1013.8	18.5	1.7	15.7	1.6	5	51	-62	2	283	122
86565 ROCHA	3429S	05418W	18		1014.5	1016.9	16.3	1.2	14.2	-.3	5	0062	-036	2	248	116
86580 CARRASCO	3450S	05600W	32		1011.2	1015.4	16.0	.3	13.4	.3	2	0028	-079	0	275	114
ARGENTINA																
87007 LA QUIACA OBSERVATORIO	2206S	06536W	3459		672.5	3116 Z	12.0	1.3	5.6	.0	01	0030	0014	5	270	
87016 ORAN AERO	2309S	06419W	357		967.9	1007.7	24.7	1.1	19.0	1.4	5	52	1	4	162	90
87022 TARTAGAL AERO	2239S	06349W	450		951.1	1008.9	24.9		18.1		6	90			226	
87047 SALTA AERO	2451S	06529W	1221		878.0	1500 Y	20.4	1.7	13.7	1.2	6	49	23	5	200	110
87078 LAS LOMITAS	2442S	06035W	130		995.7	1010.4	25.9	1.6	20.4	3.5	8	0077	0024	4	273	105
87097 IGUAZU AERO	2544S	05428W	270		982.4	1013.0	22.7		20.3		9	171		3	160	
87121 TUCUMAN AERO	2651S	06506W	450		959.8	1010.0	23.2		16.1		6	86			212	
87155 RESISTENCIA AERO.	2727S	05903W	52		1006.0	1012.7	23.0		18.9		9	137		4	171	85
87162 FORMOSA AERO	2612S	05814W	60		1003.5	1010.4	24.2	1.6	20.4	1.2	10	135	15	4	251	108
87163 B.DE IRIGOYEN AERO	2615S	05309W	815		923.0	1521 Y	19.3		16.4		12	261			247	
87166 CORRIENTES AERO.	2727S	05846W	62		1005.6	1012.7	22.9	1.5	18.9	1.1	8	123	3	3	243	100
87178 POSADAS AERO.	2722S	05558W	125		998.1	1012.4	23.4	1.8	18.3	.3	13	229	52	4	168	84
87213 CHILECITO AERO	2914S	06726W	945			1512 Y	23.2		11.0		0	0			267	
87222 CATAMARCA AERO.	2836S	06546W	454		957.8	1006.4	24.9		13.1		1	15		2	222	90
87244 VILLA DE MARIA DEL RIO SECO	2954S	06341W	341						16.6	2.3	7	134	78	5		
87257 CERES AERO	2953S	06157W	88		1002.1	1012.4	20.7	.9	16.2	.6	4	93	22	3	270	108
87270 RECONQUISTA AERO	2911S	05942W	53		1007.2	1013.3	21.6	1.6	17.5	-.3	10	196	65	4	244	98
87289 PASO DE LOS LIBRES AERO	2941S	05709W	70		1005.6	1013.8	20.5	.7	17.1	.6	10	228	77	5	186	90
87311 SAN JUAN AERO	3134S	06852W	598		943.0	1009.6	22.1		7.3		0	0		1	306	100
87320 CHAMICAL AERO	3022S	06617W	461		957.9	1010.0	23.9	2.3	1.2	-10.2	1	2	-20	2	252	
87322 CHEPES	3120S	06636W	658			1013.0	23.6	3.0	13.9	.9	0	0	-20	1		
87328 VILLA DOLORES AERO	3157S	06508W	569		946.7	1010.0	22.5	2.7	9.8	-1.0	0	0	-38	1	290	110
87344 CORDOBA AERO	3119S	06413W	474		958.7	1012.5	20.0	1.8	11.5	-1.1	3	75	2	4	261	
87349 PILAR OBSERVATORIO	3140S	06353W	338		974.5	1013.2	19.8	2.1	12.3	-.1	3	16	-47	1	267	108
87374 PARANA AERO	3147S	06029W	78		1005.2	1014.2	19.7	1.7	14.9	.3	6	83	-23	2	251	100
87393 MONTE CASEROS AERO	3016S	05739W	54		1008.2	1014.5	20.6	1.2	17.0	.9	10	149	9	3	241	100
87395 CONCORDIA AERO	3118S	05801W	38		1010.1	1014.6	19.6	.9	15.3	.0	6	77	-45	2	225	
87418 MENDOZA AERO	3250S	06847W	704		931.5	1009.7	21.2	3.1	8.3	-1.1	0	0	-11	1	317	112
87436 SAN LUIS AERO	3316S	06621W	713			1018.5	22.3	3.9	8.3	-1.7	1	2	-33	1	303	104
87448 VILLA REYNOLDS AERO	3344S	06523W	486			1012.0	19.8	3.1	10.5	-.8	1	1	-57	0	277	116
87453 RIO CUARTO AERO	3307S	06414W	420			1012.0	18.0	1.1	10.6	-1.1	2	6	-80	1	267	
87467 MARCOS JUAREZ AERO	3242S	06209W	114		1000.4	1013.7	19.5	2.2	13.3	-.7	3	12	-82	0	253	119
87480 ROSARIO AERO	3255S	06047W	25			1013.7	19.4	2.1	13.9	-.5	4	51	-40	2	238	100
87497 GUALEGUAYCHU AERO	3300S	05837W	21		1012.4	1014.8	18.8	1.4	14.3	-.1	6	60	-40	3	234	111
87506 MALARGUE AERO	3530S	06935W	1425		857.4	1499 Y	14.7	2.6	5.1	-1.6	1	2	-17	1	323	
87509 SAN RAFAEL AERO	3435S	06824W	748		927.6	1011.2	18.6	2.4	9.3	.2	2	2	-22	1	297	117
87534 LABOULAYE	3408S	06322W	137		997.6	1013.6	18.2	1.6	12.5	.1	1	10	-66	1	293	122
87544 PEHUAJO AERO	3552S	06154W	87		1004.4		17.9	2.8	12.4	-.9	7	82	-30	4	291	127
87548 JUNIN AERO	3433S	06057W	81		1004.6	1014.2	18.0	2.3	12.4	-.7	5	80	-26	3	288	129
87550 NUEVE DE JULIO	3527S	06053W	76		1000.5	1014.2	17.5	1.5	12.6	-.9	6	84	-26	3		
87576 EZEIZA AERO	3449S	05832W	20		1013.1	1015.5	17.7	1.8	13.6	.4	7	71	-37	2	237	142
87582 AEROPARQUE BS. AS. AERO	3434S	05825W	6		1014.9	1015.6	18.5	1.4	14.6	.3	6	55	-55	3	271	125
87585 BUENOS AIRES OBSERVATORIO	3435S	05829W	25		1012.5	1015.5	18.8	1.6	14.0	.3	6	65	-54	2	252	116
87593 LA PLATA AERO	3458S	05754W	19			1016.1	15.3	.1	14.4	.5	7	71	-40	2	269	130

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
87596 PUNTA INDIO B.A.	3522S	05717W	22		1013.5	1016.2	16.2	.9	13.9	.0	6	5	-83	2	269	122
87623 SANTA ROSA AERO	3634S	06416W	191		991.1	1013.3	17.8	2.2	10.3	-1.2	5	72	2	4	277	123
87641 AZUL AERO	3650S	05953W	147		998.1	1015.5	14.2		11.7		5	68		2	398	
87645 TANDIL AERO	3714S	05915W	175		994.6	1015.4	13.6		11.3		6	121		3	243	105
87648 DOLORES AERO	3621S	05744W	9		1014.9	1016.0	15.5	1.1	12.5	-.6	7	77	-15	2	185	91
87679 FIGUE AERO	3736S	06223W	304		979.6	1015.8	15.6	2.6	11.0	.0	8	181	92	5		
87688 TRES ARROYOS	3820S	06015W	115		1001.0	1014.6	14.9		11.0		10	142		5	232	100
87692 MAR DEL PLATA AERO	3756S	05735W	21		1013.5	1016.0	13.7	.6	11.8	-.2	6	73	-10	2	206	119
87715 NEUQUEN AERO	3857S	06808W	271		981.9	1013.5	16.0	.7	6.6	-.7					299	115
87736 RIO COLORADO	3901S	06405W	79		1003.9	1013.2	18.0		12.9		2	39			278	
87750 BAHIA BLANCA AERO	3844S	06210W	83		1003.8	1013.6	16.6	2.2	11.5	1.1	11	155	85	5	243	
87765 BARILOCHE AERO	4109S	07110W	840		919.2	1481 Y	8.1	.6	6.2	-.7	3	27	-11	3	266	106
87784 SAN ANTONIO OESTE AERO	4047S	06506W	20		1009.5	1011.9	16.3	1.1	8.0	-.9	1	22	-1	1	279	
87791 VIEDMA AERO	4051S	06301W	7		1011.5	1012.4	15.6		8.5		4	36		4	287	115
87803 ESQUEL AERO	4256S	07109W	785		919.7	1012.2	8.7	.5	5.5	-.4	0	0	-25	0	254	
87823 P.MADRYN AERO	4244S	06504W	136		994.0	1010.2	14.5		8.3		4	22			236	
87828 TRELEW AERO	4312S	06516W	43		1005.6	1010.7	14.8	1.1	7.2	.5	4	14	-2	3	227	93
87852 PERITO MORENO AERO	4631S	07101W	429		955.0	1006.8	8.9		7.3		8	46			190	45
87860 COMODORO RIVADAVIA AERO	4547S	06730W	46		1002.5	1008.0	12.8	.1	6.1	-.4	5	14	0	3	244	125
87880 GOBERNADOR GREGORES AERO	4847S	07010W	357		960.3	1002.7	9.6		5.9		3	6			207	
87896 PUERTO DESEADO AERO	4744S	06555W	80		995.3	1004.8	9.5	-.5	7.6	.2	3	13		4	191	
87909 SAN JULIAN AERO	4919S	06745W	62		996.2	1003.7	9.7		6.8		1	4		1	198	
87925 RIO GALLEGOS AERO	5137S	06917W	19		998.2	1000.6	7.4	-1.1	5.9	-.5	2	13	-3	3	222	
87938 USHUAIA AERO	5448S	06819W	14		987.9	994.8	5.6	-.6	6.7	-.2	7	26	-9	1	179	
ANTARCTICA																
ARGENTINA (ANTARCTIC)																
88963 BASE ESPERANZA	6324S	05659W	13		1013.0	1016.0	-4.8	-1.2	4.0		8	22	-34	1	114	
88968 BASE ORCADAS	6045S	04443W	4		986.5	987.8			5.0		22	152	104	6	47	70
89053 BASE JUBANY	6214S	05838W	4		984.5	986.1	-1.8		4.6		4	11			57	
89055 BASE MARAMBIO (CENTRO MET. A	6414S	05643W	198		958.8	983.5	-6.9		3.2		5	15			72	
89066 BASE SAN MARTIN	6808S	06708W	4		981.7	982.6	-6.6		3.1		10	0033			094	
UNITED KINGDOM (ANTARCTIC)																
89022 HALLEY	7530S	02639W	30		983.4	987.4	-21.1		.9						210	
89062 ROTHERA POINT	6734S	06808W	16		977.8	982.0	-6.7		3.0						137	
UKRAINE (ANTARCTIC)																
89063 VERNADSKY	6515S	06416W	11		982.3	983.6	-4.1		3.9		7	63		1	744	
USSR (ANTARCTIC)																
89050 BELLINGSHAUSEN	6212S	05856W	16		983.2	985.1	-2.5		4.6		14	43	43		71	
89512 NOVOLAZAREVSKAJA	7046S	01150E	0		970.8	986.0	-13.3		.1		3	58	57		25	
89592 MIRNYJ	6633S	09301E	30		977.7	983.4	-13.0		1.8		14	96	92	1		
GERMANY (ANTARCTIC)																
89002 NEUMAYER	7040S	00815W	50		982.0	987.2	-17.5		1.4						204	

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					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
ARGENTINA (ANTARCTIC)																
89034 BASE BELGRANO II	7752S	03437W	256		954.5	986.9	-12.5		1.5		8	25			154	
URUGUAY (ANTARCTIC)																
89054 DINAMET-URUGUAY	6211S	05851W	17		982.7	984.5	-2.2		4.8		7	21			63	
CHILE (ANTARCTIC)																
89056 CENTRO MET. ANTARTICO ' PDTE. ED	6211S	05859W	48		979.8	985.1	-2.4		4.6	.3	7	21		2	46	
89057 BASE ARTURO PRAT	6230S	05941W	5		984.6	985.2	-2.5	.3	4.8	.6	8	41	-36	2	83	
89059 BASE BERNARDO O'HIGGINS	6319S	05641W	10		982.0	983.4	-4.1	- .6	3.8	.0	9	26	-61	2	54	
JAPAN (ANTARCTIC)																
89532 SYOWA	6900S	03935E	21		984.5	987.2	-13.3	.1	1.6	.0					165	
AUSTRALIA (ANTARCTIC)																
89564 MAWSON	6736S	06252E	16		985.3	987.4	-13.4		.9						283	
89571 DAVIS	6834S	07757E	13		981.5	984.4	-11.6		1.4		01	1	-3	1	179	
89611 CASEY	6617S	11031E	42		979.1	984.5	-12.3		1.9		4	9				
SW PACIFIC																
MALAYSIA (PENIN. MALAYSIA)																
48601 PENANG/BAYAN LEPAS	0518N	10016E	4		1010.1	1010.4	26.6	.2	29.0	-.8	21	869	486	6		
48615 KOTA BHARU	0610N	10217E	5		1009.5	1010.1	26.7	.1	30.1	.6	20	462	194	5		
48647 KUALA LUMPUR/SUBANG	0307N	10133E	22		1007.6	1010.1	27.6	1.3	29.4	.3	20	289	17	4		
48657 KUANTAN	0337N	10313E	16		1008.4	1010.1	26.8	.8	31.1	1.9	19	315	44	4		
48665 MALACCA	0216N	10215E	9		1009.1	1010.1	27.4	1.0	29.5	-.1	13	213	1	3		
SINGAPORE																
48698 SINGAPORE/CHANGI AIRPORT	0122N	10359E	16		1008.4	1010.3	27.6	.8	31.1	1.5	14	334	167	6	157	101
USA (PACIFIC OCEAN NORTH)																
91165 LIHUE, KAUAI, HAWAII	2159N	15921W	45			1014.9	25.5	.2	26.0		19	97	-15	3		
91182 HONOLULU, OAHU, HAWAII	2121N	15756W	5			1014.9	27.2	.8	25.9		7	29	-28	3		
91285 HILO/GEN. LYMAN, HAWAII,	1943N	15504W	11			1015.3	25.2	.9	22.2		11	99	-144	1		
91334 TRUK, CAROLINE IS.	0728N	15151E	2			1008.9	28.3	.7	31.5		20	272	-89	2		
91348 PONAPE, CAROLINE ISLANDS.	0658N	15813E	46			1010.0	27.3	.3	30.9		21	324	-100	2		
91366 KWAJALEIN/BUCHOLZ AAF, MARSH	0844N	16744E	8			1009.6	28.4	.5	30.3		21	354	52	4		
91376 MAJURO/MARSHALL IS. INTL	0705N	17123E	3			1009.2	28.1	.7	31.2		19	437	86	4		
91408 KOROR, PALAU IS.	0720N	13429E	33			1009.2	28.2	.5	30.6		12	292	-60	2		
91413 YAP, CAROLINE IS.	0929N	13805E	16			1008.6	28.2	1.0	31.2		14	416	112	5		
NEW CALEDONIA																
91577 KOUMAC (NLLE-CALEDONIE)	2034S	16417E	18		1012.0	1014.1	22.8	.3	18.7		5	38	-1	4	238	93
91592 NOUMEA (NLLE-CALEDONIE)	2216S	16627E	72		1006.2	1014.5	22.6	.7	19.4		9	53	0	3	261	104
TUVALU (NEW ZEALAND)																

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	'	'	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
91643 FUNAFUTI	0831S	17913E	2		1009.2	1009.7	28.2		31.4		18	317		4	228	105
FIJI																
91650 ROTUMA	1230S	17703E	26			1011.2	27.1		29.5		16	220		2	211	105
91680 NANDI	1745S	17727E	25			1012.3	25.0	- .3	21.4		3	39	-64	2	266	118
91683 NAUSORI	1803S	17834E	7			1013.2	23.5		23.1		12	131		2		
91699 ONO-I-LAU	2040S	17843W	28			1014.2	23.2		26.5		3	40		1		
NEW CALEDONIA (DETACHED IS.)																
91753 HIHIPO (ILE WALLIS)	1314S	17610W	27		1007.6	1010.6	27.1		29.3		13	145		1	216	100
SAMOA (USA)																
91765 PAGO PAGO/INT. AIRPORT	1420S	17043W	3			1011.1	28.0		31.8		11	165		2		
COOK ISLANDS (NEW ZEALAND)																
91843 RAROTONGA	2112S	15949W	7		1015.1	1015.9	23.0		20.7		6	219		5	204	
FRENCH POLY. (MARQUESAS)																
91925 ATUONA	0948S	13902W	52		1005.9	1011.7	26.4		25.7		5	22	-63	1	243	101
FRENCH POLY. (SOCIETY IS)																
91929 BORA-BORA	1626S	15145W	3		1012.2	1012.6	26.5		26.4		10	150		5		
91938 TAHITI-FAAA	1733S	14937W	2		1012.7	1013.0	25.8		24.5		7	72	-18	3	234	101
FRENCH POLY. (TUAMOTU IS)																
91943 TAKAROA	1429S	14502W	3		1012.1	1012.4	27.3		28.7		15	125	-4	3	221	85
91945 HEREHERETUE	1952S	14500W	3		1013.8	1014.2	24.4		24.6		14	268		6	217	95
91948 RIKITEA	2308S	13458W	89		1005.7	1015.9	22.3		22.6		12	190	42	3	143	76
FRENCH POLY. (AUSTRAL IS)																
91954 TUBUAI	2321S	14929W	3		1015.1	1015.4	22.1		20.7		7	141	21	4	193	102
91958 RAPA	2737S	14420W	2		1015.9	1016.2	19.3		17.8		12	149		3	103	70
PAPUA NEW GUINEA																
92001 KIUNGA W.O.	0605S	14111E	35		1005.1	1009.1	27.1		29.5		14	496			175	
92003 DARU W.O.	0905S	14312E	9		1009.6	1010.6	27.2		27.9		4	43			219	
92014 MADANG W.O.	0513S	14548E	5		1008.8	1009.4	27.5		30.0		13	195		2	208	100
92035 PORT MORESBY W.O.	0923S	14713E	58		1002.6	1008.4	28.1		25.6		5	14		3	220	95
92044 MOMOTE W.O.	0204S	14726E	5		1008.7	1009.3	28.1		31.5		17	216		2	169	90
92047 NADZAB W.O.	0634S	14643E	70		1000.8	1008.7	27.0		28.1		11	83			167	80
92072 HOSKINS W.O.	0528S	15024E	8				27.7		23.9		12	191				
92076 KAVIENG W.O.	0234S	15049E	4		1009.4	1009.9	27.3		27.7		20	278			160	
92077 GURNEY W.O.	1019S	15020E	23		1008.3	1011.0	26.1		28.8		9	13			224	
92087 MISIMA W.O.	1041S	15250E	7		1010.0	1010.8	27.5		30.5		10	120			245	
NEW ZEALAND																
93012 KAITAIA	3506S	17316E	54				13.9		13.1							
93292 GISBORNE AERODROME AWS	3839S	17759E	5			1014.8	13.1	- .7	11.0		6	59	1	4		
93309 NEW PLYMOUTH AWS	3901S	17411E	32			1015.2	12.3		11.9		11	134		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.
							°C	°C	mb	mb	mm	mm	hr	%		
93417 PARAPARAUMU AERODROME	4054S	17459E	12		1014.2	1014.2	12.3	- .1	11.4		9	128	37	4	199	110
93615 HOKITIKA AERODROME AWS	4243S	17059E	40		1013.9	1013.9	11.1		10.7		18	191		1		
93678 KAIKOURA	4225S	17342E	101		1012.6	1012.6	11.3		9.3		7	61		4		
93780 CHRISTCHURCH	4329S	17233E	30		1012.5	1012.5	10.5		9.8		8	48		4	235	115
93844 INVERCARGILL AERODROME	4625S	16819E	4		1011.2	1011.2	9.6	- .3	9.2		14	87	-3	3	208	130
93947 CAMPBELL ISLAND AWS	5233S	16909E	19		1003.3	1003.3	6.3		7.9		20	93		1		
93987 CHATHAM ISLANDS AWS	4357S	17634W	49		1012.5	1012.5	10.8		11.5		16	92		5		
93994 RAOUL ISLAND KERMADEC IS.	2915S	17755W	49		1017.5	1017.5	17.2		14.5		11	120		6		
AUSTRALIA																
94120 DARWIN AIRPORT	1225S	13053E	31		1006.3	1010.2	29.2		26.2		3	53	-22	3	303	103
94150 GOVE AIRPORT	1217S	13649E	54		1004.5	1010.5	26.6		25.0		0	0		3	319	100
94203 BROOME AIRPORT	1757S	12214E	7		1010.0	1011.0	26.6		21.1		0	0	-1	1	349	
94212 HALLS CREEK AMO	1814S	12740E	424		962.8	1009.5	29.8		8.2		01	1	-15	1		
94238 TENNANT CREEK MET OFFICE	1938S	13411E	375		968.9	1010.9	27.8		6.9		3	18	-2	4	344	110
94287 CAIRNS AERO	1653S	14545E	3		1011.9	1012.8	25.2		22.4		3	8	-35	1	280	105
94294 TOWNSVILLE AERO	1915S	14645E	9		1011.9	1012.9	25.8		21.9		2	32	7	5	313	104
94299 WILLIS ISLAND	1618S	14959E	6		1011.8	1012.8	25.9		24.8		0	0	-19	1		
94312 PORT HEDLAND AIRPORT	2022S	11838E	9		1010.5	1011.5	25.1		16.5		0	0	-1	1		
94326 ALICE SPRINGS AERO	2348S	13353E	546		951.5	1013.0	22.5		6.8		3	16	-3	3	339	109
94332 MT ISA AERO	2041S	13929E	340		973.0	1011.2	26.8		6.7		0	0	-19	1	330	106
94346 LONGREACH AIRPORT	2326S	14417E	192		989.9	1011.8	25.6		7.6		3	16	-1	4		
94367 MACKAY MO	2107S	14913E	30		1009.8	1013.5	24.2		21.2		4	19	-20	2	315	105
94374 ROCKHAMPTON AERO	2323S	15029E	14		1012.1	1013.7	23.4		18.3		8	123	77	5		
94403 GERALDTON AIRPORT	2848S	11442E	33		1012.9	1017.1	16.5		12.6		3	7	-13	1		
94430 MEEKATHARRA AIRPORT	2637S	11833E	517		954.1	1012.6	22.9		5.5		0	0	-6	1		
94461 GILES	2502S	12817E	598		945.3	1011.9	23.8		5.0		1	1	-12	2	360	110
94610 PERTH AIRPORT	3156S	11559E	31		1015.5	1017.9	16.2		11.6		3	24	-22	1	307	
94647 EUCLA	3141S	12853E	102		1005.4	1017.6	14.9		10.6		4	20		4		
94653 CEDUNA AIRPORT	3208S	13342E	16		1015.4	1017.2	14.4		9.5		5	37	16	4	291	103
94693 MILDURA AIRPORT	3414S	14205E	52		1008.8	1015.1	15.0		8.2		8	35	7	5	292	105
94711 COBAR	3129S	14550E	264		983.3	1013.9	17.2		9.3		6	66	30	5	287	95
94767 SYDNEY AIRPORT	3356S	15110E	5		1013.5	1014.1	16.6		12.6		11	61	-17	4	221	89
94776 WILLIAMTOWN AERODROME	3248S	15150E	8		1013.2	1014.3	16.4		12.8		11	74	-8	3	233	102
94791 COFFS HARBOUR MO	3019S	15307E	5		1013.3	1014.1	18.0		14.8		8	55	-48	2	243	98
94802 ALBANY AIRPORT	3456S	11748E	69		1010.5	1018.8	13.2		11.9		14	94	17	4	218	
94821 MOUNT GAMBIER AERO	3744S	14047E	69		1007.4	1015.6	10.7		9.7		13	53	-6	3	178	85
94866 MELBOURNE AIRPORT	3740S	14451E	132		1000.5	1014.7	11.5		9.6		11	69	10	4	189	
94907 EAST SALE AIRPORT	3806S	14708E	8		1013.0	1014.0	11.3		9.8		11	88	33	5	221	105
94910 WAGGA AIRPORT	3510S	14727E	213		988.8	1014.1	12.2		9.8		7	55	-3	4	268	95
94926 GANBERRA AMO	3518S	14912E	580		946.4	1013.6	11.2		9.1		9	59	-6	4	267	100
94968 LAUNCESTON AIRPORT	4132S	14712E	178		990.8	1012.1	9.3		8.4		7	28	-28	1	253	106
94975 HOBART AIRPORT	4250S	14729E	27		1007.8	1011.1	10.8		8.0		5	16	-34	0	236	111
AUSTRALIA (ADDITIONAL IS.)																
94995 LORD HOWE ISLAND AERO	3132S	15904E	6		1013.9	1014.7	17.8		14.7		17	159	55	4		
94996 NORFOLK ISLAND AERO	2902S	16756E	109		1002.6	1016.3	17.3		15.3		6	58	-26	2	246	109
94998 MACQUARIE ISLAND	5429S	15856E	6		996.3	997.3	4.1		7.1		15	50	-21	2	134	151

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	'	'	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
INDONESIA (SUMATRA)																
96001	SABANG/CUT BAU	0552N 09519E	126		996.8	1011.2	26.1		28.4		19	0323		1	90	101
96073	SIBOLGA/PINANGSORI	0133N 09853E	3		1009.6	1010.3	25.8		28.9		21	554		3	118	90
96109	PAKANBARU/SIMPANGTIGA	0028N 10127E	31				27.3		28.9		17	254		4	129	
96171	RENGAT/JAPURA	0028N 10219E	46		1007.3	1009.8	27.2		29.5		13	402	331	6	152	171
BRUNEI DARUSSALAM																
96315	BRUNEI AIRPORT	0456N 11456E	15		1008.2	1010.1	26.9		30.4	.3	20	467	163	6	178	86
MALAYSIA (SABAH & SARAWAK)																
96413	KUCHING	0129N 11020E	27		1008.3	1010.9	25.8		28.8		24	548		5		
96421	SIBU	0220N 11150E	8		1007.3	1010.8	26.2		29.1		20	289		4	134	80
96441	BINTULU	0312N 11302E	5		1007.8	1010.5	26.2	-.4	29.0		20	505	170	5	160	90
96449	MIRI	0420N 11359E	18		1008.4	1010.3	26.9	.3	30.6		18	388	82	5		
96465	LABUAN	0518N 11515E	30		1006.9	1010.2	27.2		29.7	-.7	21	693		5	183	85
96471	KOTA KINABALU	0556N 11603E	3		1010.0	1010.3	26.9		29.4		19	532		5		
96481	TAWAU	0416N 11753E	20		1007.5	1009.4	26.2		29.3		12	247	77	4	187	90
96491	SANDAKAN	0554N 11804E	13		1008.5	1009.7	27.6	.7	30.9		18	221		3	186	95
INDONESIA (KALIMANTAN)																
96633	BALIKPAPAN/SEPINGGAN	0116S 11654E	3			1009.8	27.9		31.6		12	118		2	126	95
INDONESIA (JAWA)																
96745	JAKARTA/OBSERVATORY	0611S 10650E	8		1009.8	1010.6	28.6	1.7	28.3		9	230		5	230	140
96749	JAKARTA/SOEKARNO- HATTA	0607S 10639E	8			1010.7	27.8		29.5		6	67				
96805	CILACAP	0744S 10901E	6			1011.6	26.6		28.8		16	363			149	75
AUSTRALIA (OCEAN ISLANDS)																
96996	COCOS ISLAND AERO	1211S 09649E	3		1013.0	1013.4	25.9		24.7		9	79	29	5		
INDONESIA (NUSATENGARA)																
97230	DENPASAR/NGURAH-RAI	0845S 11510E	1			1011.3	27.0									
97260	SUMBAWA BESAR/SUMBAWA BESAR	0826S 11725E	3			1010.0	28.3		26.2		1	23		2	304	130
INDONESIA (MALUKU/IRIAN JAYA)																
97560	BLAK/MOKMER	0111S 13607E	11			1009.2	27.1		30.3		24	320		4	178	115
97900	SAUMLAKI	0759S 13118E	24			1010.7			28.9		0	0			285	110
PHILIPPINES																
98223	LAOAG	1811N 12032E	5		1009.8	1010.4	27.6		28.1		4	40		2	257	
98232	APARRI	1822N 12138E	3		1012.1	1012.4	27.3	.3	31.5	1.3	16	303	-66	2		
98233	TUGUEGARAO	1737N 12144E	62		1000.9	1011.0	24.4		26.2		11	136		2		
98325	DAGUPAN	1603N 12020E	2		1008.6	1008.9	27.3	-.7			5	139	-45	3		
98328	BAGUIO	1625N 12036E	1501		851.7	1009.1	18.8		19.3		11	180		2	384	
98330	CABANATUAN	1529N 12058E	32		1006.9	1010.1	28.7	.7	29.8	-.1	3	52	-132	1		
98429	NINYO AQUINO INTER- NATIONAL	1431N 12100E	15		1007.8	1010.2	28.1	.8								
98444	LEGASPI	1308N 12344E	17		1007.5	1009.4	27.3	.1	29.8	-.5	16	256	-84	3		
98550	TACLOBAN	1115N 12500E	3		1007.6	1007.9	27.4	-.2	31.7	1.6	19	385	188	5	167	
98637	ILOILO	1042N 12234E	8		1009.2	1009.9	28.0	.3	29.8	-.9	14	179	-85	2	158	

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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
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr
98644 TAGBILARAN	0936N	12351E	8		1008.4	1009.3	27.5		31.7		21	266		5	
98646 MACTAN	1018N	12358E	24		1007.5	1008.9	27.5	-.6	32.4	1.9	22	256	108		
98653 SURIGAO	0948N	12530E	55		1004.7	1009.2	28.0	.5	31.7	1.1	22	286	70	4	
98836 ZAMBOANGA	0654N	12204E	6		1009.0	1009.8	27.7	.2	29.8	.1	15	284	127	4	164

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	QUINILE	TOTAL	% OF AV.
	°	°	m		mb	mb	° C	° C	mb	mb		mm	mm		hr	
OVERDUE AUGUST 2003																
ASIA																
THAILAND																
48354 UDON THANI	1723N	10248E	182		984.5	1004.5	28.1	.6	30.0	.2	15	272	-4	3		
48400 NAKHON SAWAN	1548N	10010E	35		1001.8	1005.8	28.6	.2	31.7	1.7	12	202	7	3	179	107
48431 NAKHON RATCHASIMA	1458N	10205E	188		985.0	1006.0	28.5	.9	29.6	1.4	14	140	12	3		
48455 BANGKOK	1344N	10034E	20		1006.4	1006.9	29.4	1.3	30.8	.9	15	315	118	5	165	103
48462 ARANYAPRATHET	1342N	10235E	49		1001.4	1006.9	28.4	1.0	31.7	1.7	13	261	59	4		
48480 CHANTHABURI	1236N	10207E	4		1006.8	1007.2	27.9	.9	32.0	1.4	23	581	67	4	127	99
 SW PACIFIC																
FRENCH POLY. (TUAMOTU IS)																
91945 HEREHRETUE	1952S	14500W	3		1015.4	1015.8	24.2		24.6		2	29	-34	2		110
PHILIPPINES																
98223 LAOAG	1811N	12032E	5		1006.5	1007.1	28.1	.0	31.7	-1.4	16	544	125	3	157	
98232 APARRI	1822N	12138E	3		1007.1	1007.4	28.0	-.5			15	130	-185	2		
98233 TUGUEGARAO	1737N	12144E	62		996.4	1003.5	27.2	-1.3			12	153	-162			
98325 DAGUPAN	1603N	12020E	2		1006.3	1006.6	26.7	-1.0	31.7	.7	23	1030	413	5		
98328 BAGUIO	1625N	12036E	1501		850.0	1007.1	18.5	-9.2	19.4	-11.6	31	1089	472	4	152	
98330 CABANATUAN	1529N	12058E	32		1005.2	1008.4	28.0	.3	31.7	.7	23	677	60			
98429 NINYO AQUINO INTER- NATIONAL	1431N	12100E	15		1006.0	1008.4	29.9	2.5								
98430 SCIENCE GARDEN	1438N	12101E	46		1003.7	1008.6	27.7	.3	28.2	-1.4	26	381	-17	2		
98444 LEGASPI	1308N	12344E	17		1006.4	1008.3	28.2	.4	31.7	1.0	18	159	-121	1		
98550 TACLOBAN	1115N	12500E	3		1007.0	1007.3	28.0	.0	31.7	1.7	14	212	77	5	204	
98637 ILOILO	1042N	12234E	8		1008.4	1009.1	27.6	.1	29.8	-1.4	21	317	-46	3	148	
98644 TAGBILARAN	0936N	12351E	8		1008.0	1009.2	28.5	1.0	31.7	.5	10	179	-184	5		
98646 MACTAN	1018N	12358E	24		1006.8	1008.2	27.9	-.5	33.6	3.4	17	130	-6			
98653 SURIGAO	0948N	12530E	55		1004.5	1009.0	29.2	1.1	33.6	3.3	5	197	84	4		
98836 ZAMBOANGA	0654N	12204E	6		1009.3	1010.1	28.2	.7	29.8	.2	8	94	-20	2	195	
SEPTEMBER 2003																
EUROPE																
POLAND																
12424 WROCLAW II	5106N	01653E	121		1005.5	1020.5	14.3	.9	11.4	-1.2	7	31	-17	2	191	137
ASIA																

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.
	°	°	m		mb	mb	°	° C	mb	mb		mm	mm		hr	
PAKISTAN																
41530 PESHAWAR	3401N	07135E	360		962.6	1002.1	29.1	.2	25.4		3	111	94	5	224	87
41560 PARACHINAR	3352N	07005E	1725		825.4	1472 Y	20.6	-.7	14.6		10	116	61	5	243	90
41571 ISLAMABAD AIRPORT	3337N	07306E	508		947.2	1002.9	27.3	.3	24.4		8	217	119	5		
41594 SARGODHA	3203N	07240E	188		981.6	1002.1	30.7		28.1		4	29	-117	4		
41598 JHELUM	3256N	07343E	234		976.8	1002.7	29.3	.3	27.5		8	87	10	4	224	87
41660 QUETTA AIRPORT	3015N	06653E	1587		837.2	1460 Y	22.4	1.3	10.7		00	T	-1	5		
41675 MULTAN	3012N	07126E	123		988.7	1002.4	30.6	-.4	28.0		1	17	7	5	252	91
41744 KHUZDAR	2750N	06638E	1232		871.3	1443 Y	28.4	1.4	18.2		0	0	-6	0	287	
MONGOLIA																
44203 RINCHINLHUMBE	5107N	09940E	1583		839.8	1016.7	5.8	1.2	6.3	.9	9	38	8	3		
44207 HATGAL	5026N	10009E	1668		831.6	1016.8	6.0	1.7	6.6	1.4	6	57	21	2		
44212 ULAAN-GOM	4959N	09205E	939		908.8	1016.6	11.1	1.1	8.5	1.2	4	14	1	4	265	106
44213 BARUUNTURUUN	4939N	09424E	1232		877.2	1015.6	10.0	1.1	7.6	.5	5	20	-4	3		
44214 UIGI	4856N	08956E	1715		827.1	1013.6	9.9	1.3	5.6	-1.0	2	6	-6	1		
44215 OMNO-GOBI	4901N	09143E	1590		840.3	1014.7	9.3	1.4	6.9	.5	1	13	1	1		
44218 HOVD	4801N	09134E	1405		857.0	1011.9	12.0	1.4	8.0	1.1	1	2	-8	1		
44225 TOSONTSENGEL	4844N	09812E	1723		827.1	1017.2	7.0	1.4	6.5	.8	10	30	14	5		
44230 TARIALAN	4934N	10200E	1235		877.4	1016.6	9.4	1.5	7.9	1.2	6	53	28	6		
44231 MUREN	4934N	10010E	1283		869.9	1014.3	9.9	2.0	7.1	.9	5	22	5	4		
44232 HUTAG	4923N	10242E	938		907.8	1016.4	10.3	1.5	9.6	2.0	8	60	25	5		
44237 ERDENEMANDAL	4832N	10123E	1509		847.1	1013.4	9.1	1.9	6.2	- .8	8	51	30	5		
44239 BULGAN	4848N	10333E	1208		876.7	1013.3	9.0	1.8	9.1	2.4	7	58	26	4		
44241 BARUUNKHARAA	4855N	10604E	807		921.4	1014.0	10.8	1.7	9.0	1.4	9	28	-6	2		
44256 DASHBALBAR	4933N	11424E	705		930.6		9.7	.7	9.0	1.3	6	30	-2	3		
44259 CHOIBALSAN	4805N	11433E	747		927.1	1013.2	12.2	1.6	7.3	-.5	4	19	-8	3		
44265 BAITAG	4607N	09128E	1186		888.1	1023.1	13.4	1.4	9.4	2.3	1	2	-5	3		
44272 ULIASTAI	4745N	09651E	1759		822.1	1013.5	8.0	1.0	6.3	.6	2	16	-5	2	258	97
44275 BAYANBULAG	4650N	09805E	2255		775.7	1016.0	5.5	1.0	5.3	-.3	1	11	-1	2		
44277 ALTAI	4624N	09615E	2181		782.8	1015.2	7.6	1.3	7.8	2.7	5	11	-5	3		
44282 TSETSERLEG	4727N	10128E	1691		828.6	1014.7	9.2	1.7	6.3	.5	5	21	-5	2		
44284 GAIUUT	4642N	10008E	2126		787.9	1015.8	6.9	1.9	5.3	.4	3	9	-9	2		
44285 HUJIRT	4654N	10246E	1662		831.9	1014.2	8.7	1.8	7.7	1.3	5	15	-10	2		
44287 BAYANHONGOR	4608N	10041E	1859		812.4	1012.1	10.2	2.0	6.2	.1	2	5	-13	1		
44288 ARVAIHEER	4616N	10247E	1813		816.8	1012.4	10.5	2.1	7.4	1.5	2	11	-8	1		
44292 ULAAN-BAATOR	4755N	10652E	1306		868.1	1014.2	10.3	3.0	2.9	-3.6	9	52	26	5	274	112
44294 MAANTI	4718N	10729E	1430		854.7	1013.9	9.4	2.2	6.7	.0	9	49	26	5		
44298 CHOIR	4627N	10813E	1286		869.3	1011.5	12.2	2.3	6.4	-1.3	3	26	7	3		
44302 BAYAN-OVOO	4747N	11207E	926		907.2	1011.9	11.2	1.5	8.5	1.4	12	32	3	4		
44304 UNDERKHAAN	4719N	11038E	1033		896.0	1012.2	11.5	2.1	8.4	1.5	7	34	11	4		
44305 BARUUN-URT	4641N	11317E	981		902.2	1013.4	12.7	1.9	12.4	4.7	7	49	28	5		
44313 KHALKH-GOL	4737N	11837E	688		933.9	1013.9	11.4	1.1	3.4	-4.6	5	41	10	4		
44336 SAIKHAN-OVOO	4527N	10354E	1316		867.4	1013.2	13.4	2.0	6.7	.3	1	2	-9	1		
44341 MANDALGOVI	4546N	10617E	1393		858.4	1012.1	12.3	2.1	7.2	.5	4	14	-1	4		
44347 TSOGT-OVOO	4425N	10519E	1298		868.7	1011.5	15.0	2.1	5.9	-1.4	4	10	-2	3		
44352 BAYANDELGER	4544N	11222E	1101		889.8	1012.4	13.5	2.2	8.7	.9	3	28	7	4		
44358 ZAMYN-UUD	4344N	11154E	964		904.2	1011.7	15.7	2.2	4.1	-4.1	3	8	-6	2		

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.
	°	°	m		mb	mb	°	° C	mb	mb		mm	mm		hr	
44373 DALANZADGAD	4335N	10425E	1465		851.8	1011.5	15.4	2.3	8.8	2.2	2	8	-5	3		
AFRICA																
ALGERIA																
60360 ANNABA	3650N	00749E	4		1016.0	1017.0			22.1			66	36		167	50
60390 DAR-EL-BEIDA	3643N	00315E	25		1014.5	1017.8	23.9	.7	22.0		3	39	5	3	238	60
60419 CONSTANTINE	3617N	00637E	694		939.7	1017.1	20.9	- .5	16.3		4	62	26	5	206	55
60490 ORAN/ES SENIA	3538N	00036W	90		1006.6	1017.1	23.9	.6	19.9		2	11	-1	4	268	95
60525 BISKRA	3448N	00544E	87		1005.8		28.9	.7	15.6		1	7	-16	4	260	
60566 GHARDAIA	3223N	00349E	450		964.2	1016.0	29.0	1.0	12.5		1	5	1	0	268	
60571 BECHAR	3137N	00214W	773		926.0	1557 Y	21.8	-6.0	9.8		1	9	4	4	294	80
60590 EL GOLEA	3034N	00252E	397		969.6	1014.9	31.0	2.7	12.5		1	2	1	5	304	80
60630 IN SALAH	2712N	00228E	293		981.6	1011.2	34.1	1.0	11.1		0	0	-1	4	296	
60656 TINDOUF	2740N	00808W	431		962.1	1010.9	31.9		11.2		01	1			257	
SUDAN																
62600 WADI HALFA	2149N	03129E	183		987.3	1007.7	33.1	1.3	13.2		0	0	-T	5	313	85
62640 ABU HAMED	1932N	03319E	312		971.2	1005.4	36.1	1.2	12.0		0	0	-1	5	300	80
62641 PORT SUDAN	1935N	03713E	2		1002.3	1007.6	31.2	- .9	28.1		0	0	-T	5	312	80
62650 DONGOLA	1910N	03029E	226		981.8	1007.8	34.8	2.5	10.5		0	0	-7	5	267	
62660 KARIMA	1833N	03151E	249		977.7	1006.5	35.2	.6	11.3		1	1	0	4	277	75
62680 ATBARA	1742N	03358E	345		966.8	1004.7	35.1	.8	16.5		0	T	-6		278	75
62721 KHARTOUM	1536N	03233E	380		963.6	1006.2	32.1	- .4	20.3		7	11	-14	3		
62730 KASSALA	1528N	03624E	500				31.5	1.1	21.5		4	40	0	2	274	75
62751 WAD MEDANI	1424N	03329E	408		964.3	1009.5	29.4	.3	25.3		4	52	7	3	264	75
62752 GEDAREF	1402N	03524E	599		942.6	1009.3	27.8	.4	21.5		5	115	30		251	70
62760 EL FASHER	1337N	02520E	730		928.1	1006.8	30.0	1.5	18.5		3	8	-27		256	70
62762 SENNAR	1333N	03337E	418		961.0	1007.4	28.9	.3	25.7		3	60	-24	3	231	65
62770 GENEINA	1329N	02227E	805		923.3	1010.6	29.0	2.3	20.0		8	31	-34	3	241	65
62771 EL OBEID	1310N	03014E	574		945.1	1008.3	28.2	- .1	23.6		5	58	-3	3	237	65
62772 KOSTI	1310N	03240E	381		966.4	1008.9	28.7	.8	25.8		2	39	-23	3	245	65
62781 EN NAHUD	1242N	02826E	564		947.7	1009.8	29.0	.4	22.2		5	48	4	3	231	65
62790 NYALA	1203N	02453E	674		939.5	1012.9	27.2	.3	22.9		5	77	6		235	70
62795 ABU NA'AMA	1244N	03408E	445		959.4	1008.9	26.6	- .9	26.4		5	102	2		203	55
62805 DAMAZINE	1147N	03423E	470		955.9	1008.3	25.5	-1.2	25.5		11	175	42		185	75
62810 KADUGLI	1100N	02943E	499		955.4	1011.5	28.1	1.4	26.9		9	148	50		194	55
62840 MALAKAL	0933N	03139E	388		966.9	1010.6	26.4	- .5	26.7		10	116	-8		113	60
62941 JUBA	0452N	03136E	457		957.6	1009.4	28.2	1.4	25.6		7	147	31		253	70
BENIN																
65306 KANDI	1108N	00256E	292		978.6	1011.3	26.5	.3	28.5	1.2	10	167	-23	2	216	101
65319 NATITINGOU	1019N	00123E	461		960.7	1012.0	25.0	- .3	26.2	.4	16	294	40	4	177	109
65330 PARAKOU	0921N	00237E	393		968.3	1012.1	25.2	.2	26.2	.6	14	235	30	4	172	120
65335 SAVE	0802N	00228E	200		989.2	1011.8	25.5	- .1	28.2	1.9	17	342	184	6	160	133
65338 BOHICON	0710N	00204E	167		993.8	1012.7	25.8	- .2	28.3	1.8	13	283	143	5	155	126
65344 COTONOU	0621N	00223E	9		1011.6	1012.7	26.9	.9	29.6	1.5	8	131	32	4	184	112

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.
SW PACIFIC	°	°	m		mb	mb	°	° c	mb	mb		mm	mm		hr	
FRENCH POLY. (TUAMOTU IS)																
91945 HEREHERETUE	1952S	14500W	3		1015.1	1015.5	24.2		23.6		10	218		5	209	90
PHILIPPINES																
98223 LAOAG	1811N	12032E	5		1007.7	1008.3	28.2	.3	31.7	-.5	10	213	-167	2	193	
98232 APARRI	1822N	12138E	3		1009.3	1009.3	28.0	.0			10	91	-145	1	193	
98233 TUGUEGARAO	1737N	12144E	62		1000.7	1007.8	26.5	-1.5			11	153	-83	2	107	80
98325 DAGUPAN	1603N	12020E	2		1006.8	1007.1	26.9	-1.1	31.7	.7	20	391	44	4	216	
98328 BAGUIO	1625N	12036E	1501		850.5	1007.4	19.0	-9.0	20.6	-10.4	25	303	-44	2	216	
98330 CABANATUAN	1529N	12058E	32		1005.6	1008.0	28.2	.2	31.7	.7	19	396	49			
98429 NINYO AQUINO INTER- NATIONAL	1431N	12100E	15		1006.7	1009.1	27.4	-.2								
98444 LEGASPI	1308N	12344E	17		1006.6	1008.5	27.6	-.1	31.7	1.0	21	268	-3	4		
98550 TACLOBAN	1115N	12500E	3		1007.4	1007.7	27.6	-.3	31.7	1.6	16	285	124	5	154	
98637 ILOILO	1042N	12234E	8		1008.0	1008.7	27.9	.3	29.8	-1.2	9	170	-96	2	153	
98644 TAGBILARAN	0936N	12351E	8		1008.5	1009.4	28.5	.9	31.7	.7	8	122	-144	4		
98646 MACTAN	1018N	12358E	24		1007.1	1008.5	27.3	-1.0	33.6	3.1	15	327	160			
98653 SURIGAO	0948N	12530E	55		1005.0	1009.5	27.3	-.8	33.6	3.2	15	327	205			

UPPER AIR

OCTOBER 2003

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
EUROPE - NORWAY JAN MAYEN 01001 OCT 2003 7056N 00840W OB 3									EUROPE - NORWAY BJORNOYA 01028 OCT 2003 7431N 01901E OB 3									EUROPE - NORWAY BODO 01152 OCT 2003 6715N 01424E OB 3									
030	23493	0	-64.4	26.0	0	76	304	10	030	23389	0	-64.2	27.5	0	67	316	8	030	23469	0	-63.8	27.4	0	80	303	9	
050	20344	0	-60.4	27.0	0	78	300	10	050	20241	0	-60.7	28.1	0	68	313	9	050	20317	0	-60.5	28.2	0	72	309	8	
100	15970	0	-54.6	27.8	0	73	299	10	100	15861	0	-53.9	28.9	0	58	306	9	100	15944	0	-54.8	29.4	0	59	304	8	
150	13361	0	-52.2	26.9	0	73	295	12	150	13243	0	-51.2	28.5	0	52	308	9	150	13333	0	-51.8	29.3	0	57	308	10	
200	11497	0	-51.7	22.4	0	69	296	13	200	11370	0	-50.6	26.1	0	50	309	9	200	11464	0	-51.1	25.5	0	51	311	10	
300	8872	0	-50.2	10.1	0	54	293	11	300	8750	0	-51.9	10.8	0	51	319	11	300	8831	0	-49.8	12.4	0	49	310	11	
500	5372	0	-26.9	9.4	0	46	297	7	500	5287	0	-29.9	8.8	0	37	321	6	500	5345	0	-28.6	9.7	0	52	310	8	
700	2868	0	-12.0	9.3	0	35	301	4	700	2815	0	-14.8	8.5	0	22	340	3	700	2859	0	-13.4	7.4	0	49	290	6	
850	1365	0	-6.2	6.7	1	41	319	4	850	1325	0	-7.8	4.5	0	11	25	1	850	1356	0	-4.5	5.2	0	57	269	5	
1009	* 9		-1	2.9					1003	* 18		-1	2.1						1003	* 33		-3.7	3.9				
EUROPE - NORWAY ORLAND 01241 OCT 2003 6342N 00936E OB 3									EUROPE - NORWAY STAVANGER/SOLA 01415 OCT 2003 5852N 00540E OB 3									EUROPE - SWEDEN SUNDSVALL-HARNOSAND FPL 02365 OCT 2003 6232N 01727E OB 3									
030	23554	4	-63.0	26.5	4	81	303	8	030	23590	0	-62.5	24.7	0	90	302	8	030									
050	20394	4	-60.0	27.5	4	73	302	7	050	20424	0	-60.1	25.2	0	83	312	6	050	20327	15	-60.7	29.5	9	74	300	7	
100	16012	4	-54.5	28.3	4	64	303	7	100	16057	0	-55.9	25.5	0	73	314	8	100	15977	3	-55.4	31.0	3	64	307	7	
150	13401	4	-51.8	27.5	4	56	307	8	150	13469	0	-53.8	24.4	0	73	318	11	150	13384	2	-52.5	30.9	2	53	306	7	
200	11532	4	-51.1	23.2	4	54	308	9	200	11614	0	-52.7	20.2	0	66	317	13	200	11519	1	-51.7	26.6	1	48	295	9	
300	8900	4	-50.0	11.4	4	40	308	8	300	8987	0	-48.5	10.9	0	56	313	13	300	8891	1	-49.5	12.5	1	38	297	8	
500	5408	4	-27.6	10.3	4	45	301	6	500	5464	0	-25.2	11.2	0	65	307	10	500	5390	1	-26.9	9.7	1	44	296	7	
700	2909	4	-11.3	9.7	4	60	285	6	700	2940	0	-9.1	12.0	0	60	304	7	700	2887	1	-11.3	9.8	1	43	303	4	
850	1394	4	-2.8	5.3	4	63	273	6	850	1415	0	-9	9.1	0	40	303	4	850	1373	1	-3.2	6.3	1	45	331	4	
1009	* 10		5.9	3.7					1008	* 14		6.6	3.6						1010	* 6		2.8	4.5				
EUROPE - SWEDEN GOTEBOG/LANDVETTER 02527 OCT 2003 5740N 01218E OB 3									EUROPE - FINLAND SODANKYLA 02836 OCT 2003 6722N 02639E OB 3									EUROPE - FINLAND JYVASKYLA 02935 OCT 2003 6224N 02541E OB 3									
030									030	23436	6	-63.2	28.1	7	87	290	9	030	23587	14	-62.3	25.8	9	87	290	8	
050	20403	13	-60.4	28.6	9	78	293	7	050	20285	2	-60.6	29.9	2	72	296	7	050	20384	4	-60.1	27.7	4	75	285	6	
100	16029	3	-55.9	28.2	3	66	299	7	100	15911	0	-54.7	31.6	0	61	292	7	100	15962	0	-55.3	30.6	0	64	287	7	
150	13450	0	-53.6	27.5	0	64	302	9	150	13300	0	-51.9	31.9	0	54	286	8	150	13359	0	-52.4	30.7	0	53	285	8	
200	11593	0	-52.5	22.3	0	58	307	10	200	11430	0	-50.6	29.3	0	50	287	9	200	11494	0	-51.7	25.1	0	47	285	8	
300	8967	0	-49.2	11.5	0	46	301	10	300	8800	0	-50.4	10.8	0	41	287	9	300	8867	0	-49.7	9.7	0	34	283	8	
500	5446	0	-25.5	9.8	0	52	307	8	500	5323	0	-28.9	8.1	0	38	292	5	500	5373	0	-27.1	6.9	0	36	285	5	
700	2924	0	-9.6	11.4	0	54	308	6	700	2837	0	-13.0	6.0	0	35	302	4	700	2867	0	-11.3	8.2	0	36	304	4	
850	1400	0	-1.5	8.8	0	48	304	4	850	1333	0	-4.5	3.1	0	25	297	3	850	1356	0	-3.7	4.0	0	24	308	3	
1002	* 155		3.8	1.7					983	* 179		.5	2.0						990	* 145		1.8	1.5				

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
EUROPE - FINLAND JOKIOINEN 02963 OCT 2003 6049N 02330E OB 3									EUROPE - UNITED KINGDOM LERWICK 03005 OCT 2003 6008N 00111W OB 3									EUROPE - UNITED KINGDOM CAMBORNE 03808 OCT 2003 5013N 00519W OB 3								
030	23607	21	-62.4	23.0	9	89	300	9	030	23606	0	-62.8		0	88	304	8	030	23715	0	-60.1		0	87	290	7
050	20384	2	-60.0	24.5	2	85	291	7	050	20447	0	-60.1		0	83	314	8	050	20531	0	-60.1		0	77	299	6
100	15986	0	-55.4	25.1	0	64	280	7	100	16085	0	-56.4		0	73	316	9	100	16195	0	-58.8		0	69	316	7
150	13382	0	-52.6	24.0	0	57	282	8	150	13497	0	-53.9		0	74	315	13	150	13643	0	-57.1		0	63	325	9
200	11519	0	-51.6	20.1	0	48	282	9	200	11646	0	-52.7		0	71	314	15	200	11817	0	-55.3		0	59	331	11
300	8889	0	-49.0	10.7	0	34	288	8	300	9014	0	-47.6		0	63	312	16	300	9190	0	-45.5		0	50	337	10
500	5386	0	-26.8	8.0	0	34	290	5	500	5477	0	-24.6	11.9	0	63	299	10	500	5597	0	-19.4	13.5	0	48	333	7
700	2878	0	-11.0	9.0	0	42	295	5	700	2947	0	-8.4	14.1	0	56	296	7	700	3014	0	-3.4	14.6	0	34	344	4
850	1364	0	-3.4	4.8	0	31	318	3	850	1417	0	-4	8.7	0	50	296	6	850	1458	0	3.5	6.3	0	28	359	3
995	* 103		3.3	2.0					1002	* 84		7.7	3.3					1004	* 88		11.6	3.7				
EUROPE - IRELAND VALENTIA OBSERVATORY 03953 OCT 2003 5156N 01015W OB 3									EUROPE - ICELAND KEFLAVIKURFLUGVOLLUR 04018 OCT 2003 6358N 02236W OB 3									EUROPE - GREENLAND AASIAAT (EGEDESMINDE) 04220 OCT 2003 6842N 05251W OB 3								
030	23721	0	-60.3	29.8	0	76	300	6	030	23654	3	-63.7	28.6	3	83	293	9	030	23492	0	-62.6	24.3	1	86	270	8
050	20537	0	-60.4	29.5	0	65	314	5	050	20483	0	-60.1	29.3	0	82	288	9	050	20317	0	-58.9	26.2	1	69	259	7
100	16206	0	-59.4	28.4	0	68	323	8	100	16117	0	-56.5	29.5	0	80	283	11	100	15920	0	-54.1	28.1	1	68	246	8
150	13661	0	-57.9	25.0	0	62	329	12	150	13531	0	-54.1	28.5	0	74	282	15	150	13306	0	-51.8	28.3	1	62	234	9
200	11843	0	-56.3	18.2	0	60	332	14	200	11680	0	-52.8	22.1	0	70	281	18	200	11437	0	-50.9	25.3	1	62	237	11
300	9218	0	-44.8	12.0	0	61	336	15	300	9045	0	-46.2	11.8	0	61	279	20	300	8801	0	-50.1	10.8	1	51	229	11
500	5613	0	-19.0	16.2	0	55	327	10	500	5478	0	-22.8	15.0	0	54	271	11	500	5322	0	-29.7	8.7	0	52	213	7
700	3027	0	-3.0	17.1	0	49	336	7	700	2938	0	-8.4	11.9	0	39	261	5	700	2853	0	-15.4	7.8	0	57	187	5
850	1470	0	3.4	7.8	0	35	343	4	850	1410	0	-1.5	5.5	0	21	221	3	850	1362	0	-6.5	7.3	0	50	176	4
1013	* 30		11.6	3.5					1008	* 54		5.7	3.1					1005	* 41		1.0	3.4				
EUROPE - GREENLAND NARSARSUAQ 04270 OCT 2003 6109N 04526W OB 3									EUROPE - GREENLAND DANMARKSHAVN 04320 OCT 2003 7646N 01840W OB 3									EUROPE - GREENLAND ILLOQQORTOORMIUT (SCORESBYSU) 04339 OCT 2003 7029N 02157W OB 3								
030	23711	0	-61.7	23.5	0	83	266	8	030	23437	0	-64.1	26.3	0	78	301	10	030	23542	0	-63.7	26.1	0	89	288	10
050	20527	0	-58.6	24.6	0	80	250	8	050	20280	0	-60.0	27.7	0	84	295	9	050	20383	0	-59.9	28.3	0	84	288	10
100	16137	0	-54.7	25.2	0	74	240	11	100	15890	0	-54.1	29.3	0	85	279	10	100	16004	0	-54.7	30.1	0	86	280	11
150	13537	0	-53.3	24.7	0	74	241	19	150	13273	0	-51.6	29.2	1	75	281	11	150	13397	0	-52.4	29.3	0	87	275	13
200	11673	0	-51.0	21.5	0	71	237	21	200	11403	0	-50.8	27.3	0	64	279	11	200	11533	0	-51.7	24.9	0	82	273	14
300	9013	0	-45.4	11.5	0	62	237	23	300	8774	0	-51.5	10.9	0	54	273	11	300	8906	0	-49.5	9.8	0	65	270	15
500	5445	0	-23.2	9.4	0	54	231	12	500	5316	0	-30.3	10.5	0	47	284	7	500	5401	0	-27.0	9.4	0	67	276	9
700	2914	0	-9.7	6.6	0	32	196	5	700	2849	0	-16.1	6.9	0	49	335	5	700	2902	0	-12.4	10.5	4	14	343	2
850	1391	0	-1.1	5.9	0	38	120	3	850	1373	0	-12.2	5.0	0	57	338	6	850	1402	0	-6.3	9.3				
1009	* 4		5.3	5.9					1015	* 12		-9.7	4.0					1007	* 69		-4.2	5.1				

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
EUROPE - GREENLAND TASIILAQ (AMASSALIK) 04360 OCT 2003 6536N 03738W OB 3									EUROPE - DENMARK & FAROE IS. THORSHAVN 06011 OCT 2003 6201N 00646W OB 3									EUROPE - BELGIUM UCCLE 06447 OCT 2003 5048N 00421E OB 3								
030	23643	0	-63.0	26.3	2	75	287	9	030	23613	0	-62.9	28.8	0	84	308	8	030	23957	1	-53.6	32.0	1	65	281	3
050	20474	0	-59.4	28.0	1	76	276	9	050	20454	0	-60.3	29.6	0	79	311	8	050	20732	0	-55.8	30.5				
100	16094	0	-55.1	28.9	1	78	253	11	100	16090	0	-56.3	30.2	0	71	312	9	100	16367	0	-58.6	25.2	0	78	285	7
150	13490	0	-52.9	28.1	0	78	253	14	150	13504	0	-54.0	29.9	0	72	309	13	150	13826	0	-58.7	18.3	0	71	287	10
200									200	11650	0	-52.6	24.3	0	70	309	16	200	12018	0	-56.7	11.8	0	62	291	12
300	8985	0	-46.1		0	60	240	17	300	9014	0	-46.8	14.1	0	67	306	18	300	9380	0	-41.8	11.1	0	55	291	10
500	5439	0	-24.8	8.4	0	49	224	8	500	5468	0	-24.2	12.3	0	64	300	11	500	5721	0	-15.4	14.7	0	56	279	7
700	2919	0	-10.4	8.3	0	36	165	4	700	2936	0	-8.6	14.8	0	58	292	8	700	3102	0	-.2	18.8	0	45	268	4
850	1403	0	-3.8	5.3	0	36	76	4	850	1412	0	-1.7	7.3	0	46	300	6	850	1529	0	6.9	10.9	0	46	275	3
1007	* 52		2.4	4.6					1006	* 55		6.4	3.0					1009	* 104		12.7	3.0				
EUROPE - SWITZERLAND PAYERNE 06610 OCT 2003 4649N 00657E OB 3									EUROPE - FRANCE NANCY/ESSEY 07180 OCT 2003 4841N 00613E OB 3									EUROPE - FRANCE NIMES/COURBESSAC 07645 OCT 2003 4352N 00424E OB 3								
030	23714	0	-59.1		2	85	268	10	030									030								
050	20529	0	-60.4		1	86	273	9	050	20529	7	-60.3		7	82	278	7	050	20567	2	-60.4		2	86	277	10
100	16196	0	-59.3		0	88	273	12	100	16178	1	-58.1		2	91	281	10	100	16249	0	-60.1		0	91	273	15
150	13647	0	-57.0		0	87	266	15	150	13616	0	-56.4		0	74	275	12	150	13715	0	-58.9		0	93	265	21
200	11822	0	-55.7	11.3	0	83	268	19	200	11786	0	-55.1		0	76	275	15	200	11904	0	-56.8		0	88	264	26
300	9194	0	-45.5	10.8	0	69	269	17	300	9166	0	-46.5		0	68	268	13	300	9268	0	-43.5		0	87	267	25
500	5599	0	-19.3	16.9	0	71	271	10	500	5582	0	-20.1	12.5	0	52	265	7	500	5643	0	-17.3	15.1	0	79	264	13
700	3017	0	-3.6	11.4	0	64	247	7	700	3005	0	-4.2	12.3	0	37	261	4	700	3035	0	-1.0	12.8	0	61	278	7
850	1458	0	4.2	5.4	0	62	232	5	850	1451	0	3.8	8.1	1	28	219	3	850	1463	0	6.6	6.3	0	23	262	3
957	* 491		7.0	2.5					989	* 217		7.1	2.4					1006	* 62		13.0	4.0				
EUROPE - SPAIN LA CORUNA 08001 OCT 2003 4322N 00825W OB 3									EUROPE - SPAIN SANTANDER 08023 OCT 2003 4328N 00348W OB 3									EUROPE - SPAIN MADRID/BARAJAS 08221 OCT 2003 4030N 00335W OB 3								
030									030	23773	11	-58.1		9	79	270	4	030	23812	0	-57.5	28.9	1	77	262	4
050									050	20568	3	-60.4		4	80	270	3	050	20608	0	-60.4	27.9	0	77	261	4
100	16176	18	-60.9	24.3	9	80	281	4	100	16249	0	-60.2		0	88	269	6	100	16297	0	-61.3	24.7	0	90	258	7
150	13641	16	-57.9	23.3	9	67	288	5	150	13712	0	-58.2		1	80	264	6	150	13773	0	-58.9	21.5	0	88	252	9
200	11819	16	-55.8	19.5	9	59	301	5	200	11888	0	-55.7		1	72	259	7	200	11959	0	-56.3	16.4	0	78	251	10
300	9203	13	-45.8	11.4	9	44	315	4	300	9259	0	-44.8	11.2	1	59	259	6	300	9323	0	-42.9	13.1	0	75	245	10
500	5618	7	-18.5	11.9	9	35	316	3	500	5639	0	-17.2	12.6	0	58	261	5	500	5677	0	-15.9	14.2	0	68	254	6
700	3021	4	-3.2	10.2	9	30	328	2	700	3037	0	-2.0	10.2	0	50	270	3	700	3061	0	-.7	8.9	0	61	246	4
850	1460	4	4.6	5.3	9	16	31	1	850	1469	0	6.4	6.9	0	46	262	2	850	1483	0	8.5	5.8	0	42	226	2
1006	* 67		14.3	3.4					1006	* 59		14.7	4.6					941	* 633		14.3	6.1				

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND											
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED						
																											hPa	gpm	°C	°C	%	°
EUROPE - SPAIN MURCIA 08430 OCT 2003 3800N 00110W OB 3									EUROPE - GIBRALTAR GIBRALTAR 08495 OCT 2003 3609N 00520W OB 3									EUROPE - PORTUGAL LAJES/SANTA RITA (ACORES) 08508 OCT 2003 3844N 02704W OB 3														
030	23834	21	-57.0	25.9	9	82	259	5	030	23836	0	-57.2	25.1	0	84	253	9	030	23814	1	-57.2											
050	20633	12	-60.4	26.4	9	80	264	5	050	20635	0	-61.0	22.3	0	82	257	9	050	20637	1	-61.7											
100	16345	2	-62.8	27.7	7	93	257	8	100	16352	0	-63.3	17.7	0	95	257	15	100	16391	0	-65.8											
150	13843	0	-61.2	22.8	5	94	253	12	150	13854	0	-61.3	14.8	0	95	251	25	150	13914	0	-62.8											
200	12046	0	-57.9	16.2	3	93	251	15	200	12054	0	-56.9	11.3	0	94	251	30	200	12127	0	-58.6											
300	9404	0	-40.9	12.7	3	88	247	13	300	9405	0	-40.8	9.5	0	90	247	26	300	9485	0	-40.6	10.3										
500	5728	0	-14.4	15.4	3	89	246	8	500	5726	0	-14.1	13.3	0	90	248	18	500	5795	0	-12.8	21.7										
700	3094	0	1.8	15.0	1	89	251	5	700	3089	0	1.8	10.7	0	88	244	12	700	3123	0	3.9	24.7										
850	1503	0	10.7	8.4	1	50	254	2	850	1497	0	10.4	5.8	0	70	238	7	850	1552	0	8.1	8.2										
1007	* 62		19.9	5.6					1014	* 4		19.5	3.9					1009	* 113		19.0	8.4										
EUROPE - PORTUGAL LISBOA/GAGO COUTINHO 08579 OCT 2003 3846N 00908W OB 3									EUROPE - GERMANY SCHLESWIG 10035 OCT 2003 5432N 00933E OB 3									EUROPE - GERMANY GREIFSWALD 10184 OCT 2003 5406N 01324E OB 3														
030	23846	2	-56.5	29.5	9	76	249	5	030	23635	0	-60.9		0	87	287	8	030	23637	1	-60.7			1	83	284	9					
050	20643	0	-60.6	28.1	9	81	259	4	050	20456	0	-60.0		0	85	293	7	050	20455	0	-59.7			0	84	285	7					
100	16333	0	-61.3	27.3	9	92	267	7	100	16096	0	-56.9	29.4	0	73	297	8	100	16088	0	-56.5	30.6	0	74	291	9						
150	13804	0	-58.0	26.8	9	87	263	10	150	13516	0	-54.7	28.5	0	72	301	11	150	13503	0	-54.2	29.0	0	67	296	11						
200	11980	0	-55.0	19.7	9	75	261	10	200	11670	0	-53.7	22.3	0	63	304	13	200	11652	0	-53.2	23.5	0	63	299	13						
300	9333	0	-42.2	14.2	9	66	262	8	300	9051	0	-48.4	12.1	0	59	297	15	300	9032	0	-48.6	12.0	0	53	300	14						
500	5686	0	-15.7	16.9	9	63	266	5	500	5509	0	-23.4	13.8	0	57	303	10	500	5490	0	-23.5	15.4	0	57	302	10						
700	3064	0	.9	16.0	9	54	266	3	700	2965	0	-7.5	15.1	0	54	307	6	700	2950	0	-8.1	11.5	0	54	301	6						
850	1481	0	8.7	8.3	9	44	267	2	850	1432	0	.0	11.0	0	38	303	4	850	1419	0	-.7	7.3	0	52	297	5						
1001	* 105		18.8	6.0					1008	* 48		6.6	2.9					1012	* 6		7.0	2.8										
EUROPE - GERMANY EMDEN-FLUGPLATZ 10200 OCT 2003 5323N 00714E OB									EUROPE - GERMANY BERGEN 10238 OCT 2003 5249N 00956E OB									EUROPE - GERMANY LINDENBERG 10393 OCT 2003 5213N 01407E OB 3														
030	23705	4	-60.1		4	85	288	8	030	23648	0	-60.2		2	86	282	8	030	23641	0	-60.3			0	85	275	10					
050	20513	4	-59.7		4	82	294	6	050	20468	0	-59.7		1	84	282	7	050	20460	0	-60.1			0	83	274	8					
100	16150	4	-57.0	27.0	4	78	295	8	100	16113	0	-57.0	10.4	1	70	280	8	100	16104	0	-57.1	30.5	0	76	280	10						
150	13570	4	-54.8	24.6	4	78	296	12	150	13536	0	-54.9	9.8	1	69	287	11	150	13525	0	-54.7	29.0	0	71	284	12						
200	11723	4	-53.8	18.5	4	76	296	15	200	11695	0	-54.2	9.1	1	65	292	13	200	11677	0	-53.6	23.3	0	66	288	15						
300	9100	4	-47.6	10.8	4	68	289	16	300	9078	0	-47.6	8.2	0	53	293	13	300	9061	0	-48.3	9.9	0	54	293	15						
500	5545	4	-22.3	13.2	4	62	302	10	500	5523	0	-22.4	9.5	0	57	301	9	500	5510	0	-22.8	12.9	0	61	295	10						
700	2987	4	-5.7	16.6	4	50	312	6	700	2972	0	-6.5	10.1	0	49	303	6	700	2963	0	-7.3	13.0	0	59	302	6						
850	1443	4	1.8	12.4	4	30	313	3	850	1435	0	.5	6.7	0	39	299	4	850	1429	0	-.4	7.6	0	48	288	4						
1014	* 5		7.8	3.1					1006	* 69		6.3	3.2					1000	* 104		6.8	3.4										

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
EUROPE - GERMANY MEININGEN 10548 OCT 2003 5034N 01023E OB 3									EUROPE - GERMANY STUTTGART/SCHNARREBERG 10739 OCT 2003 4850N 00912E OB 3									EUROPE - GERMANY MUENCHEN-OBERSCHLEISSHEIM 10868 OCT 2003 4815N 01133E OB 3								
030	23671	0	-59.8		0	82	280	9	030	23698	2	-59.4	26.2	4	81	273	10	030	23702	0	-59.0		0	83	275	10
050	20487	0	-59.8		0	84	277	8	050	20510	2	-59.9	25.0	4	84	277	8	050	20507	0	-59.9		0	86	274	8
100	16132	0	-57.7	29.4	0	77	280	10	100	16161	2	-58.1	23.9	3	90	274	11	100	16161	0	-58.3	28.0	0	89	277	13
150	13563	0	-55.6	26.5	0	73	284	12	150	13600	1	-55.8	22.4	3	78	280	14	150	13600	0	-56.2	24.9	0	82	277	15
200	11724	0	-54.8	20.1	0	68	286	15	200	11765	1	-54.6	17.4	2	72	281	17	200	11767	0	-55.2	18.9	0	76	280	19
300	9110	0	-47.8	10.8	0	57	289	14	300	9144	1	-47.0	9.4	1	55	279	14	300	9147	0	-46.8	10.9	0	65	282	17
500	5544	0	-21.3	15.1	0	61	289	9	500	5566	1	-20.8	13.6	1	65	281	10	500	5568	0	-20.6	14.2	0	67	291	10
700	2982	0	-6.1	14.1	0	44	294	5	700	2997	1	-5.0	11.1	1	59	282	7	700	2999	0	-5.4	13.4	0	66	283	7
850	1442	0	.9	9.5	0	29	269	3	850	1448	1	2.5	9.3	1	41	280	4	850	1452	0	2.4	9.2	0	34	269	3
961	* 453		5.6	3.2					976	* 315		8.2	5.5					957	* 489		6.2	3.7				
EUROPE - AUSTRIA WIEN/HOHE WARTE 11035 OCT 2003 4814N 01621E OB 3									EUROPE - CZECH REPUBLIC PRAHA-LIBUS 11520 OCT 2003 5000N 01427E OB 3									EUROPE - SLOVAKIA POPRAD-GANOVCE 11952 OCT 2003 4902N 02019E OB 3								
030	23699	8	-58.6		8	89	266	11	030	23682	0	-59.3	29.7	0	84	274	10	030	23688	0	-58.4	30.0	0	92	264	11
050	20503	7	-59.4		7	88	268	9	050	20490	0	-59.6	29.6	0	83	274	8	050	20491	0	-59.5	29.5	0	89	265	10
100	16153	6	-58.0		6	88	270	13	100	16136	0	-57.5	30.0	0	83	274	11	100	16139	0	-57.8	29.3	0	89	269	14
150	13589	6	-55.7		6	85	274	17	150	13566	0	-55.4	29.0	0	80	280	15	150	13569	0	-55.1	28.9	0	85	272	17
200	11751	6	-54.6		6	80	278	22	200	11725	0	-54.2	22.8	0	73	281	18	200	11728	0	-53.9	23.1	0	79	272	20
300	9124	6	-46.1		6	73	278	23	300	9106	0	-47.4	9.9	0	60	289	16	300	9101	0	-46.7	11.4	0	67	274	20
500	5545	0	-21.0	16.0	0	69	283	12	500	5540	0	-21.3	14.5	0	64	293	11	500	5533	0	-21.8	14.2	0	59	278	10
700	2983	0	-5.8	11.1	0	68	292	7	700	2981	0	-6.1	14.6	0	62	289	7	700	2977	0	-6.4	11.6	0	60	273	7
850	1444	0	1.4	5.6	0	59	290	6	850	1442	0	.1	5.5	0	54	285	5	850	1440	0	.4	4.4	0	64	265	4
990	* 200		8.8	4.2					978	* 303		7.0	4.7					931	* 706		5.1	4.5				
EUROPE - POLAND LEBA 12120 OCT 2003 5445N 01732E OB 3									EUROPE - POLAND LEGIONOWO 12374 OCT 2003 5224N 02058E OB 3									EUROPE - POLAND WROCLAW I 12425 OCT 2003 5108N 01659E OB 3								
030	23625	0	-60.6	28.4	0	88	278	10	030	23647	0	-59.6	27.4	0	90	270	10	030	23651	0	-59.4	29.9	0	89	272	10
050	20441	0	-59.3	29.2	0	80	280	7	050	20453	0	-59.5	27.3	0	88	270	9	050	20457	0	-59.5	29.8	0	82	274	9
100	16071	0	-56.2	30.3	0	71	285	8	100	16090	0	-56.4	28.1	0	79	270	10	100	16099	0	-57.1	30.3	0	81	271	11
150	13480	0	-53.3	30.3	0	64	285	10	150	13505	0	-53.9	28.0	0	75	274	12	150	13522	0	-54.8	29.0	0	77	277	14
200	11622	0	-52.5	24.6	0	58	285	11	200	11652	0	-52.6	23.7	0	66	273	14	200	11675	0	-53.5	23.2	0	72	281	16
300	8999	0	-48.8	10.7	0	47	290	11	300	9024	0	-48.2	11.4	0	58	278	14	300	9057	0	-48.3	9.8	0	55	285	15
500	5467	0	-24.2	13.3	0	52	295	8	500	5484	0	-23.6	13.4	0	60	280	10	500	5508	0	-22.7	14.3	0	61	287	11
700	2935	0	-8.6	11.0	0	56	299	6	700	2946	0	-8.2	11.8	0	65	283	7	700	2961	0	-7.4	14.3	0	62	290	7
850	1408	0	-1.2	6.0	0	47	290	4	850	1418	0	-1.3	4.4	0	61	281	6	850	1430	0	-1.3	6.8	0	57	280	5
1011	* 2		7.6	3.8					1001	* 96		6.3	3.0					999	* 116		6.6	4.1				

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND																			
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED														
																											hPa	gpm	°C	°C	%	°	mps	hPa	gpm	°C	°C	%	°	mps
EUROPE - HUNGARY BUDAPEST/LORINC 12843 OCT 2003 4726N 01911E OB 3									EUROPE - HUNGARY SZEGED 12982 OCT 2003 4615N 02006E OB									EUROPE - YUGOSLAVIA BEOGRAD/KOSUTNJAK 13275 OCT 2003 4446N 02025E OB 1																						
030	23718	4	-58.1		5	93	265	11	030	23764	2	-57.5		2	94	263	12	030																						
050	20513	2	-59.8		3	92	269	11	050	20558	2	-59.6		2	94	268	10	050																						
100	16168	2	-58.5		3	90	268	15	100	16213	1	-58.8		1	92	270	16	100	16217	1	-60.2		2	91	265	17														
150	13608	2	-56.5		3	89	271	20	150	13661	1	-57.0		1	92	270	21	150	13685	0	-58.2		0	93	272	23														
200	11776	1	-55.1		3	84	272	25	200	11834	1	-55.8		1	88	269	28	200	11870	0	-57.3		0	90	272	29														
300	9145	1	-45.5	11.8	2	76	271	25	300	9199	1	-44.4	11.2	1	83	269	28	300	9241	0	-43.7		1	79	270	29														
500	5558	1	-20.9	14.9	2	75	274	14	500	5593	0	-19.4	15.6	0	79	273	15	500	5613	0	-17.6	19.7	0	84	278	19														
700	2995	0	-5.8	11.2	1	71	272	8	700	3014	0	-4.7	10.8	1	81	266	9	700	3025	0	-4.0	10.6	0	80	270	10														
850	1452	0	1.5	4.8	1	59	272	6	850	1463	0	3.4	6.4	1	51	267	4	850	1469	0	4.4	8.5	1	62	275	6														
998	* 139		9.2	4.6					1005	* 83		6.8	1.7						991	* 203		9.6	3.8																	
EUROPE - CROATIA ZAGREB/MAKSIMIR 14240 OCT 2003 4549N 01602E OB 3									EUROPE - ROMANIA BUCURESTI/IMH 15420 OCT 2003 4430N 02608E OB 1									EUROPE - BULGARIA SOFIA (OBSERV.) 15614 OCT 2003 4239N 02323E OB 0																						
030	23726	0	-57.7		0	91	265	12	030									030	23809	11	-56.2	25.9	9	97	257	10														
050	20532	0	-59.9		0	89	270	10	050									050	20569	5	-59.2	24.7	7	93	256	11														
100	16201	0	-59.6		0	92	267	16	100	16226	3	-60.7	24.1	3	93	267	17	100	16249	1	-61.5	22.7	2	94	271	18														
150	13657	0	-59.5		0	89	273	21	150	13694	2	-58.3	21.5	2	92	270	23	150	13733	0	-60.3	20.2	0	94	271	25														
200	11836	0	-56.4		0	88	272	27	200	11880	1	-57.2	14.2	1	89	274	28	200	11936	0	-58.5	12.9	1	89	273	29														
300	9210	0	-44.6		0	82	269	26	300	9255	1	-44.4	9.1	1	86	271	29	300	9311	0	-42.9	12.2	0	87	274	28														
500	5601	0	-18.7	16.2	0	78	274	15	500	5638	1	-18.2	12.4	1	82	266	18	500	5664	0	-15.7	16.2	0	89	270	20														
700	3016	0	-3.8	12.6	0	68	274	8	700	3052	0	-3.6	9.6	0	79	265	10	700	3051	0	-1.6	8.1	1	87	268	12														
850	1464	0	3.0	4.6	0	42	253	4	850	1493	0	4.5	4.6	0	60	253	5	850	1480	0	7.0	5.7	1	64	256	5														
1000	* 128		10.2	4.3					1007	* 91		7.8	2.4					946	* 595		14.8	8.6																		
EUROPE - ITALY MILANO/LINATE 16080 OCT 2003 4526N 00917E OB 3									EUROPE - ITALY PRATICA DI MARE 16245 OCT 2003 4139N 01226E OB 3									EUROPE - ITALY BRINDISI 16320 OCT 2003 4039N 01757E OB 3																						
030	23734	0	-58.2	25.5	0	84	270	10	030	23797	5	-56.8	25.6	5	92	268	10	030	23798	0	-56.7	28.6	0	92	255	11														
050	20533	0	-60.1	24.3	0	84	271	10	050	20589	3	-60.5	23.5	4	86	278	10	050	20588	0	-60.0	26.6	1	91	270	12														
100	16208	0	-59.6	23.1	0	93	268	14	100	16282	2	-61.4	20.6	3	93	267	15	100	16293	0	-62.7	21.3	1	95	271	18														
150	13666	0	-58.3	20.4	0	89	268	20	150	13772	0	-61.7	15.8	1	94	269	25	150	13796	0	-61.9	16.9	1	95	271	27														
200	11853	0	-56.4	15.3	0	89	268	24	200	11980	0	-58.5	10.7	1	92	267	32	200	12011	0	-60.0	9.1	1	93	271	35														
300	9223	0	-44.4	11.3	0	81	268	21	300	9347	0	-42.2	7.1	1	91	265	29	300	9383	0	-41.7	8.3	1	91	270	30														
500	5610	0	-18.4	15.3	0	74	266	11	500	5688	0	-15.0	12.3	0	93	263	21	500	5712	0	-14.3	13.3	1	88	271	19														
700	3018	0	-2.7	11.8	0	58	253	6	700	3065	0	.5	12.0	0	88	260	11	700	3080	0	1.7	12.8	0	86	270	13														
850	1456	0	4.6	5.0	0	13	312	1	850	1481	0	9.0	5.9	0	78	240	6	850	1491	0	10.0	7.4	0	65	260	6														
1001	* 103		13.4	6.0					1009	* 32		16.3	4.7					1014	* 10		19.0	5.9																		

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
EUROPE - ITALY CAGLIARI/ELMAS 16560 OCT 2003 3915N 00904E OB /								EUROPE - TURKEY SAMSUN 17030 OCT 2003 4117N 03618E OB 3								EUROPE - TURKEY ISTANBUL/GOZTEPE 17062 OCT 2003 4058N 02905E OB 3										
030	23815	0	-56.3	29.7	1	90	260	10	030	23811	1	-56.2		1	90	265	10	030	23809	5	-58.1		6	91	269	9
050	20609	0	-60.4	28.3	0	83	267	11	050	20605	1	-60.2		1	93	263	10	050	20601	4	-61.6		5	91	267	10
100	16319	0	-63.5	22.4	0	92	267	19	100	16296	0	-61.9		0	95	261	16	100	16292	1	-62.1	27.5	3	94	269	16
150	13835	0	-63.1	15.3	0	95	266	27	150	13781	2	-60.5		2	96	268	21	150	13783	1	-60.9	21.0	2	90	273	22
200	12057	0	-59.8	8.1	0	94	262	34	200	11989	1	-58.9		1	90	266	24	200	11994	1	-59.6	13.6	2	87	276	27
300	9421	0	-40.6	9.2	0	95	262	29	300	9363	0	-42.3		0	88	257	22	300	9366	1	-41.9	12.9	1	81	276	24
500	5737	0	-13.4	14.8	0	91	259	19	500	5708	0	-15.2	11.9	0	89	252	16	500	5702	1	-14.2	17.8	1	85	271	18
700	3095	0	3.0	13.0	0	92	257	15	700	3085	0	.6	7.7	0	78	251	10	700	3071	1	.6	15.3	1	81	263	11
850	1497	0	11.3	8.3	0	74	263	9	850	1500	0	9.7	7.3	0	54	266	5	850	1491	1	8.2	5.7	1	56	250	6
1014	* 5		20.2	5.3					1015	* 4		15.6	4.8					1010	* 33		15.3	4.9				
EUROPE - TURKEY ANKARA/CENTRAL 17130 OCT 2003 3957N 03253E OB 3								EUROPE - TURKEY IZMIR/GUZELYALT 17220 OCT 2003 3826N 02710E OB 3								EUROPE - TURKEY DIYARBAKIR 17280 OCT 2003 3753N 04012E OB 3										
030	23818	2	-56.5	29.2	3	90	266	10	030	23828	2	-56.2	30.5	3	91	270	9	030	23837	1	-56.5	31.5	8	83	276	7
050	20608	1	-60.2	27.2	1	96	259	12	050	20627	1	-60.3	30.0	2	89	270	10	050	20635	1	-61.3	29.3	7	90	269	7
100	16309	1	-62.4	23.8	1	94	266	16	100	16343	1	-63.5	27.5	2	96	272	18	100	16353	1	-62.9	22.8	7	96	263	16
150	13805	1	-61.3	18.7	1	94	271	20	150	13852	0	-62.4	20.6	3	93	277	25	150	13860	0	-62.2	17.7	7	96	267	19
200	12013	1	-58.6	13.9	1	88	273	20	200	12071	0	-59.7	16.2	2	87	279	27	200	12076	0	-59.1	13.8	7	90	264	18
300	9379	0	-41.6	12.8	0	85	274	18	300	9435	0	-40.9	16.3	0	88	279	23	300	9441	0	-41.5	13.1	7	81	261	15
500	5713	0	-14.4	14.7	0	81	261	13	500	5751	0	-13.1	19.0	0	87	273	17	500	5764	0	-13.3	15.7	7	82	247	12
700	3084	0	.6	9.9	0	83	258	9	700	3105	0	3.1	18.8	0	81	274	12	700	3117	0	4.1	12.6	7	65	225	6
850	1497	0	10.4	9.7	0	48	258	3	850	1507	0	11.9	12.2	1	57	264	6	850	1505	0	15.8	14.1				
914	* 891		11.9	6.5					1012	* 29		18.8	7.2					937	* 677		16.1	11.2				
EUROPE - CYPRUS ATHALASSA 17607 OCT 2003 3509N 03324E OB 2								EUROPE - RUSSIAN FEDERATION (EUROPE) MURMANSK 22113 OCT 2003 6859N 03307E OB 3								EUROPE - RUSSIAN FEDERATION (EUROPE) ARHANGEL'SK 22550 OCT 2003 6437N 04030E OB 3										
030									030	23491	6	-63.9	24.5	7	88	292	8	030	23487	16	-62.2	10.1	9	96	279	11
050									050	20331	5	-60.8	25.7	5	77	292	7	050	20360	8	-60.3	9.7	9	93	288	9
100	16379	1	-64.5	28.0	0	94	270	16	100	15963	5	-54.9	27.1	5	69	278	8	100	16006	1	-55.2	9.0	1	79	272	8
150	13903	1	-63.6	21.3	0	93	277	20	150	13344	4	-51.8	27.5	4	57	271	8	150	13403	1	-52.4	8.0	1	69	265	9
200	12124	1	-59.1	17.0	0	91	278	21	200	11465	2	-50.5	25.5	2	55	266	9	200	11537	1	-51.7	6.4	1	68	257	11
300	9484	0	-40.6	16.0	0	88	276	18	300	8831	0	-50.7	10.1	2	42	260	8	300	8916	1	-49.5	5.0	2	61	250	12
500	5790	0	-11.8	21.7	0	89	273	12	500	5346	0	-27.7	7.7	0	34	267	5	500	5401	1	-25.6	6.6	1	57	241	9
700	3128	0	5.1	23.8	0	87	272	8	700	2847	0	-11.8	5.8	0	28	272	3	700	2881	1	-10.1	5.3	1	54	231	7
850	1519	0	14.0	12.5	0	55	274	3	850	1336	0	-4.1	2.9	0	29	263	3	850	1363	0	-2.4	2.9	0	53	233	6
995	* 161		28.2	16.0					990	* 121		2.1	2.3					1006	* 4		4.4	1.8				

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
EUROPE - RUSSIAN FEDERATION (EUROPE) ST. PETERBURG (VOEJKOVO) 26063 OCT 2003 5957N 03042E OB 3									EUROPE - LATVIA RIGA 26422 OCT 2003 5658N 02403E OB									EUROPE - RUSSIAN FEDERATION (EUROPE) KAZAN' 27595 OCT 2003 5536N 04917E OB 3								
030	23555	8	-62.3	21.7	8	91	271	10	030									030	23710	15	-60.4	10.8	9	96	276	11
050	20388	6	-60.2	22.8	8	86	273	7	050	20403	17	-59.4	30.2	9	82	278	7	050	20501	12	-60.0	9.7				
100	16020	5	-55.8	23.1	5	70	266	7	100	16037	16	-55.9	30.0	9	76	271	8	100	16134	8	-57.6	9.1	8	94	260	13
150	13425	3	-53.1	21.9	4	62	261	8	150	13442	16	-53.2	28.1	9	63	281	9	150	13564	6	-56.5	7.6	6	92	256	16
200	11572	2	-53.0	17.8	2	55	265	10	200	11583	16	-52.6	21.2	9	55	272	9	200	11746	5	-56.6	6.7	5	87	249	19
300	8933	0	-48.6	9.4	0	53	263	12	300	8957	16	-48.6	10.0	9	40	267	8	300	9141	4	-46.3	7.3	4	81	244	19
500	5413	0	-25.7	9.9	0	52	254	8	500	5432	16	-25.4	7.9	9	44	274	6	500	5554	3	-21.9	11.3	3	86	242	15
700	2891	0	-10.2	6.7	0	40	245	4	700	2909	16	-9.2	14.8	9	47	297	4	700	3004	3	-7.2	10.0	3	79	231	10
850	1371	0	-2.5	4.1	0	41	259	4	850	1389	16	-2.6	7.1	9	34	312	3	850	1469	3	.4	7.1	3	74	218	8
998	* 78		4.3	2.4					1007	* 26		3.4	2.0					1004	* 116		4.8	4.2				
EUROPE - RUSSIAN FEDERATION (EUROPE) MOSKVA (DOLGOPRUDNYJ) 27612 OCT 2003 5545N 03757E OB 0									EUROPE - RUSSIAN FEDERATION (EUROPE) ROSTOV-NA-DONU 34731 OCT 2003 4715N 03949E OB 3									EUROPE - ISRAEL BET DAGAN 27595 OCT 2003 5536N 04917E OB 3								
030	23493	22	-62.8	12.0	9	96	267	13	030									030								
050	20373	14	-59.6	11.3	9	95	261	11	050									050	20664	7	-62.6					
100	16054	8	-56.4	9.7	8	83	259	10	100	16282	25	-58.2		9	86	249	5	100	16442	0	-66.8		2	95	263	19
150	13462	5	-53.9	8.5	5	78	258	13	150	13724	19	-56.9		9	58	250	5	150	13982	0	-63.6		0	94	268	24
200	11629	3	-54.6	6.8	3	68	248	14	200	11877	12	-56.4		9	67	264	13	200	12200	0	-57.8		0	92	270	21
300	9015	2	-47.3	5.9	1	56	244	13	300	9259	8	-45.4		8	61	244	16	300	9544	0	-39.5	11.2	0	87	273	16
500	5455	0	-23.4	6.8	0	64	230	10	500	5627	0	-18.3	9.5	0	81	242	15	500	5835	0	-10.5	16.7	0	90	266	11
700	2924	0	-8.7	5.7	0	70	233	9	700	3038	0	-2.5	7.3	0	65	236	9	700	3157	0	7.4	16.9	0	76	254	6
850	1402	0	-1.2	3.2	0	63	227	7	850	1476	0	5.0	6.4	0	47	219	5	850	1532	0	16.3	12.8	0	49	269	3
988	* 200		4.5	2.3					1007	* 78		10.1	3.8					1011	* 35		23.9	6.5				
EUROPE - JORDAN MAFRAQ 27612 OCT 2003 5545N 03757E OB 0									ASIA - RUSSIAN FEDERATION (IN ASIA) OSTROV DIKSON 20674 OCT 2003 7330N 08024E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) HATANGA 20891 OCT 2003 7159N 10228E OB 3								
030	23855	15	-57.2		9	31	267	4	030	23219	22	-62.7		9	90	266	8	030								
050	20674	7	-62.0		8	85	296	7	050	20051	20	-60.0		9	78	284	6	050	20131	17	-57.9	8.6	9	52	290	4
100	16440	1	-65.9		1	93	265	16	100	15674	15	-54.2		9	76	307	7	100	15741	12	-54.3	7.8	9	71	315	7
150	13980	1	-64.3		1	93	266	31	150	13056	13	-51.6		9	78	306	8	150	13127	9	-52.4	6.7	9	72	328	9
200	12196	1	-57.9		1	91	276	27	200	11185	13	-50.9		9	79	309	9	200	11280	8	-53.2	5.4	8	71	320	12
300	9542	1	-39.6		1	84	277	19	300	8566	11	-55.0		9	57	302	8	300	8663	1	-54.6	3.5	1	52	312	10
500	5833	1	-10.8	19.4	1	91	269	13	500	5182	9	-36.7	5.8	9	54	306	6	500	5242	0	-33.5	3.9	0	53	317	8
700	3158	0	7.1	21.2	1	80	252	9	700	2778	9	-22.0	6.1	9	34	312	3	700	2808	0	-19.6	5.0	0	53	318	6
850	1531	0	17.6	18.6	0	58	268	6	850	1329	10	-15.1	3.7	9	13	42	1	850	1348	0	-13.1	2.9	1	57	311	5
9999	* 687		16.6	5.8					1005	* 47		-10.7	2.4					1009	* 33		-11.5	2.6				

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND											
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED									
																											hPa	gpm	°C	°C	%	°	mps	hPa	gpm
ASIA - RUSSIAN FEDERATION (IN ASIA) NAR'JAN-MAR 23205 OCT 2003 6738N 05302E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) SALEHARD 23330 OCT 2003 6632N 06640E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) TURUHANSK 23472 OCT 2003 6547N 08756E OB 3																	
030	23442	6	-63.4	18.0	8	94	283	10	030									030									030								
050	20280	2	-60.9	15.0	2	92	288	10	050	20192	11	-60.5	9.0	9	91	287	11	050	20158	15	-59.8	8.8	9	86	291	11									
100	15917	2	-55.5	16.0	2	87	278	10	100	15830	7	-55.6	8.7	7	91	284	13	100	15827	7	-55.9	8.5	7	88	297	13									
150	13313	2	-52.7	11.0	2	86	271	12	150	13251	3	-52.8	7.7	3	91	282	15	150	13246	3	-54.4	7.1	3	82	299	14									
200	11449	1	-52.3	8.0	2	81	270	13	200	11431	1	-53.3	6.4	1	87	279	17	200	11405	1	-54.6	5.7	1	76	298	16									
300	8826	0	-50.9	9.5	0	69	264	13	300	8840	0	-51.1	5.2	0	81	273	16	300	8812	0	-52.6	4.9	0	70	296	15									
500	5345	0	-28.6	6.3	0	67	263	9	500	5360	0	-28.4	6.7	0	81	270	11	500	5353	0	-29.9	5.8	0	71	292	11									
700	2856	0	-12.8	3.7	0	62	254	6	700	2873	0	-12.5	5.6	0	73	270	7	700	2882	0	-15.3	5.6	0	69	287	8									
850	1349	0	-4.1	3.1	0	59	239	5	850	1373	0	-5.4	4.5	0	62	267	6	850	1394	0	-8.4	4.1	0	51	273	5									
1005	* 12		.8	2.0					1009	* 16		-2.5	1.4					1011	* 38		-5.0	3.2													
ASIA - RUSSIAN FEDERATION (IN ASIA) SYKTYVKAR 23804 OCT 2003 6140N 05051E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) HANTY-MANSIJSK 23933 OCT 2003 6101N 06902E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) OLENEK 24125 OCT 2003 6830N 11226E OB 3																	
030	23534	4	-62.5	8.0	6	95	279	13	030	23548	14	-61.4		9	90	283	13	030	23358	5	-56.7	10.5	6	88	243	8									
050	20378	1	-60.7	7.5	1	94	277	10	050	20385	13	-60.9		9	88	287	11	050	20121	3	-56.7	9.5	3	77	256	6									
100	16023	1	-56.5	6.9	1	90	265	11	100	16007	10	-57.2		9	91	280	13	100	15717	2	-53.7	8.4	2	74	300	9									
150	13440	1	-54.6	6.0	2	83	262	12	150	13410	9	-55.2		9	91	280	16	150	13109	1	-52.1	6.9	1	67	303	7									
200	11596	2	-54.0	4.9	2	82	257	16	200	11564	8	-55.9		8	87	277	19	200	11252	1	-52.8	5.2	1	63	306	9									
300	8977	0	-49.6	4.1	0	75	252	19	300	8948	5	-50.6		6	87	269	20	300	8664	1	-54.3	3.4	1	45	315	9									
500	5459	0	-25.3	4.9	0	77	247	14	500	5448	5	-26.4	8.1	3	86	271	14	500	5249	0	-32.3	4.2	1	48	312	6									
700	2937	0	-9.7	6.1	0	77	242	10	700	2947	2	-10.5	7.6	3	77	268	10	700	2808	0	-17.9	3.6	2	54	320	5									
850	1416	0	-1.8	4.3	0	75	245	8	850	1433	2	-3.2	5.2	3	71	258	8	850	1344	0	-12.9	2.9	0	45	334	4									
998	* 116		4.4	3.5					1011	* 46		1.0	3.3					987	* 220		-10.1	3.4													
ASIA - RUSSIAN FEDERATION (IN ASIA) VERHOJANSK 24266 OCT 2003 6734N 13324E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) TURA 24507 OCT 2003 6416N 10014E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) JAKUTSK 24959 OCT 2003 6201N 12943E OB 0																	
030	23505	1	-52.2	12.4	1	95	220	14	030	23433	7	-56.2	12.7	7	93	265	11	030	23603	9	-50.7	13.9	9	97	236	14									
050	20226	0	-53.1	11.4	0	94	218	10	050	20204	7	-57.2	11.0	7	83	287	9	050	20292	6	-52.5	12.4	6	95	240	11									
100	15764	0	-51.7	10.2	0	75	229	7	100	15810	5	-55.0	9.8	5	78	306	11	100	15814	0	-52.3	10.4	0	83	248	8									
150	13135	0	-51.3	8.2	0	70	234	7	150	13213	5	-53.8	8.2	5	79	310	13	150	13190	0	-51.9	8.4	0	77	258	7									
200	11273	0	-52.4	6.1	0	64	237	7	200	11361	2	-54.1	6.2	4	73	308	15	200	11333	0	-53.0	5.9	0	74	264	8									
300	8688	0	-54.0	4.3	0	59	224	9	300	8769	2	-53.3	4.4	2	63	309	16	300	8746	0	-53.8	4.0	0	59	255	8									
500	5265	0	-32.3	4.7	0	59	228	7	500	5319	2	-31.3	5.7	1	65	309	12	500	5315	0	-31.2	5.6	1	62	258	6									
700	2825	0	-18.4	3.8	0	66	236	5	700	2863	2	-16.8	5.5	2	67	310	8	700	2860	0	-16.8	5.2	0	61	258	4									
850	1358	0	-11.1	4.5	0	76	218	5	850	1387	1	-11.2	4.7	3	44	316	4	850	1387	0	-10.4	3.3	1	57	277	4									
996	* 138		-13.9	4.1					993	* 168		-8.6	3.6					1003	* 101		-6.4	3.7													

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
ASIA - RUSSIAN FEDERATION (IN ASIA) SEJMCHAN 25703 OCT 2003 6255N 15225E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) KORF 25954 OCT 2003 6021N 16600E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) VERHNEE DUBROVO 28445 OCT 2003 5644N 06104E OB 0								
030	23777	8	-48.9	11.9	8	95	231	14	030	23824	12	-50.7	13.0	9	89	256	8	030	23649	7	-59.9	8.6	7	93	279	14
050	20441	3	-50.0	10.7	3	97	228	12	050	20493	8	-50.5	12.0	9	90	251	11	050	20474	3	-60.5	8.1	3	89	282	10
100	15920	2	-50.8	8.3	2	93	230	10	100	15975	7	-51.2	9.9	7	89	255	10	100	16130	3	-58.9	7.3	3	88	280	11
150	13280	2	-51.0	6.5	2	90	235	11	150	13352	6	-51.7	8.2	6	87	266	11	150	13574	3	-57.1	6.4	3	86	276	13
200	11415	1	-53.4	4.3	1	84	232	13	200	11490	4	-53.2	6.2	4	75	271	11	200	11753	2	-58.2	5.7	3	75	276	13
300	8834	1	-53.4	3.1	1	72	221	14	300	8893	3	-51.8	5.3	3	60	266	10	300	9154	1	-47.2	6.5	1	74	265	17
500	5372	1	-29.3	3.3	1	71	219	10	500	5416	3	-28.4	8.9	3	47	281	5	500	5578	0	-22.2	9.3	0	83	266	13
700	2888	0	-14.1	3.2	1	73	212	7	700	2922	3	-12.4	8.4	3	29	240	3	700	3028	1	-7.6	9.6	0	81	266	9
850	1389	0	-5.9	3.3	0	51	214	3	850	1416	3	-4.7	4.9	3	16	175	1	850	1495	1	.0	6.3	0	81	267	8
987	* 205		-4.6	2.8					1014	* 4		2.5	3.7					986	* 290		4.7	5.5				
ASIA - RUSSIAN FEDERATION (IN ASIA) OMSK 28698 OCT 2003 5456N 07324E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) KOLPASEVO 29231 OCT 2003 5819N 08254E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) EMEL'JANOVO 29572 OCT 2003 5611N 09237E OB 0								
030	23633	5	-58.9	9.1	5	91	278	14	030	23700	26	-55.5	9.8	9	97	279	13	030	23619	11	-55.3	11.8	9	97	276	14
050	20438	1	-59.9	8.4	1	87	284	13	050	20462	26	-57.1	8.8	9	98	294	12	050	20372	8	-58.1	10.9	8	91	292	12
100	16108	2	-58.5	7.6	2	80	286	13	100	16087	25	-57.0	7.7	9	99	305	13	100	15994	6	-57.1	8.8	6	83	299	13
150	13554	1	-57.2	6.3	1	72	283	14	150	13515	25	-56.6	6.2	9	99	306	17	150	13422	3	-56.2	7.1	3	79	303	16
200	11747	1	-59.6	5.5	1	62	284	15	200	11702	25	-59.2	5.3	9	97	303	20	200	11604	3	-58.6	5.7	3	71	300	19
300	9155	0	-47.1	5.9	0	60	284	15	300	9128	25	-49.6	6.1	9	92	296	19	300	9008	1	-50.4	5.1	2	66	303	21
500	5582	0	-20.8	8.5	0	62	283	11	500	5587	25	-23.1	5.0	9	98	294	14	500	5498	1	-25.8	6.2	1	68	297	15
700	3032	0	-7.2	7.0	0	58	282	8	700	3045	25	-7.8	3.0	9	98	290	12	700	2987	1	-11.7	5.6	1	70	287	10
850	1502	0	-.1	7.5	0	55	265	6	850	1507	25	1.6	2.1	9	97	288	11	850	1479	1	-4.5	5.2	1	83	279	9
1013	* 90		1.0	4.0					1012	* 75		7.2	1.3					997	* 206		-1.8	2.6				
ASIA - RUSSIAN FEDERATION (IN ASIA) KIRENSK 30230 OCT 2003 5746N 10804E OB 0									ASIA - RUSSIAN FEDERATION (IN ASIA) CHITA 30758 OCT 2003 5205N 11329E OB 0									ASIA - RUSSIAN FEDERATION (IN ASIA) ALDAN 31004 OCT 2003 5837N 12522E OB 3								
030	23661	3	-52.0	13.6	5	93	260	14	030	23684	7	-50.5	15.2	7	94	259	12	030	23634	2	-49.4	11.9	2	96	239	13
050	20377	2	-54.8	11.7	2	92	275	12	050	20398	7	-53.8	12.8	7	94	268	13	050	20320	2	-52.8	10.5	2	93	247	11
100	15937	1	-54.3	9.1	2	90	295	13	100	15982	4	-54.9	10.3	4	95	286	15	100	15854	1	-52.3	9.3	1	85	263	10
150	13332	1	-53.2	7.2	1	82	299	15	150	13384	2	-54.1	8.6	2	91	290	18	150	13233	1	-52.3	7.7	1	86	274	10
200	11485	1	-55.0	5.3	1	78	299	18	200	11546	1	-55.5	6.4	1	86	297	19	200	11379	0	-52.9	6.2	0	82	283	10
300	8902	1	-52.2	4.3	1	68	294	20	300	8972	0	-50.8	5.2	0	68	309	19	300	8795	0	-53.4	5.0	0	72	286	11
500	5416	0	-28.0	6.2	0	70	297	14	500	5469	0	-26.1	5.8	0	77	308	14	500	5349	0	-30.1	6.0	0	75	281	8
700	2930	0	-14.4	5.4	0	74	290	9	700	2965	0	-11.2	6.3	0	81	311	10	700	2885	1	-16.1	4.8	0	77	300	7
850	1440	0	-8.2	3.6	0	83	275	7	850	1457	0	-4.1	5.2	1	75	306	7	850	1406	1	-9.0	3.0	1	70	284	6
988	* 259		-3.0	2.1					939	* 671		-1.5	4.4					933	* 79		-6.0	2.5				

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
ASIA - RUSSIAN FEDERATION (IN ASIA) BLAGOVESHCHENSK 31510 OCT 2003 5032N 12730E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) HABAROVSK 31736 OCT 2003 4832N 13514E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) VLADIVOSTOK (SAD GOROD) 31977 OCT 2003 4316N 13203E OB 3								
030	23877	19	-48.3	9.9	9	96	241	10	030	23807	18	-52.7	10.7	9	96	225	14	030	23858	10	-53.1	11.7	9	94	236	10
050	20530	18	-51.5	8.4	9	97	254	12	050	20529	17	-54.6	9.8	9	96	236	16	050	20596	8	-56.3	10.4	8	95	249	17
100	16031	14	-52.9	7.8	9	95	260	14	100	16111	3	-53.3	8.9	3	96	257	20	100	16221	5	-55.3	9.7	5	97	258	28
150	13423	12	-51.8	7.2	9	94	267	16	150	13493	2	-51.4	7.6	2	95	257	21	150	13639	3	-53.0	9.0	3	96	262	32
200	11553	12	-51.2	6.0	9	90	265	15	200	11625	2	-51.9	6.1	2	93	262	23	200	11777	1	-51.0	8.3	1	94	263	32
300	8935	10	-50.9	5.0	9	74	272	13	300	8989	2	-47.9	4.4	2	85	266	19	300	9117	0	-44.0	8.1	0	91	267	28
500	5433	2	-26.8	6.1	2	72	285	11	500	5456	2	-24.9	5.7	2	75	272	12	500	5538	0	-21.5	8.7	1	83	272	17
700	2928	1	-11.9	5.7	1	74	291	8	700	2934	1	-9.6	5.3	1	70	269	8	700	2990	0	-6.8	7.9	0	74	274	10
850	1418	1	-4.4	5.6	1	48	307	4	850	1409	0	-1.2	6.5	0	63	266	7	850	1456	0	1.2	6.2	0	55	301	6
993	* 177		.7	6.8					1003	* 72		4.9	5.5					1005	* 82		8.6	5.2				
ASIA - RUSSIAN FEDERATION (IN ASIA) JUZHNO-SAHALINSK 32150 OCT 2003 4657N 14243E OB 1									ASIA - RUSSIAN FEDERATION (IN ASIA) PETROPAVLOVSK-KAMCATSKIJ 32540 OCT 2003 5305N 15835E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) ORENBURG 35121 OCT 2003 5141N 05506E OB 3								
030	23846	12	-51.9	12.7	9	96	232	9	030	23871	6	-51.5	12.4	6	89	244	9	030	23662	5	-58.4	9.7	5	96	268	16
050	20547	9	-53.3	12.1	9	97	246	16	050	20552	5	-52.4	11.1	5	95	246	14	050	20471	3	-59.5	8.9	3	93	269	13
100	16122	4	-54.5	10.1	4	96	255	25	100	16087	2	-52.8	9.6	2	95	253	21	100	16157	1	-59.3	7.8	1	91	269	14
150	13519	3	-52.9	9.3	3	96	254	30	150	13472	2	-51.9	8.3	2	93	252	22	150	13615	1	-58.5	7.1	1	92	267	17
200	11662	1	-51.2	8.1	1	93	257	30	200	11603	2	-51.3	6.7	2	88	253	21	200	11807	1	-58.5	6.2	1	89	268	20
300	9028	2	-47.7	6.5	1	83	257	24	300	8979	2	-48.5	5.1	2	68	245	15	300	9209	1	-45.8	6.9	1	83	257	22
500	5488	0	-23.6	7.0	0	82	263	14	500	5449	2	-24.8	7.6	2	46	240	7	500	5623	1	-19.3	8.1	0	82	253	12
700	2952	0	-7.8	7.1	0	76	267	9	700	2921	2	-9.6	8.6	2	30	185	3	700	3048	0	-4.1	14.1	0	72	238	8
850	1425	0	.3	4.6	0	64	265	7	850	1412	2	-2.4	3.2	2	16	126	1	850	1502	3	1.6	9.9	0	51	213	4
1010	* 24		6.4	2.1					1003	* 84		5.7	4.5					1007	* 117		4.9	7.9				
ASIA - IRAN, ISLAMIC REPUBLIC OF MASHHAD 40745 OCT 2003 3616N 05938E OB 3									ASIA - IRAN, ISLAMIC REPUBLIC OF KERMAN 40841 OCT 2003 3015N 05658E OB 3									ASIA - UNITED ARAB EMIRATES ABU DHABI INTER. AIRPORT 41217 OCT 2003 2426N 05439E OB 3								
030	23844	0	-56.7	38.4	1	71	300	5	030	23856	8	-56.8						030								
050	20646	0	-61.6	41.8	0	89	270	8	050	20662	7	-62.4						050	20671	0	-64.1		2	76	97	4
100	16387	0	-63.6	39.1	0	94	270	17	100	16465	4	-68.4						100	16543	0	-73.9		1	93	257	13
150	13897	0	-62.4	12.0	0	93	270	20	150	14002	3	-62.4						150	14132	0	-64.4		1	96	261	26
200	12110	0	-59.0	23.0	0	86	290	19	200	12196	2	-55.5	21.7				200	12341	0	-53.9	20.9	2	95	266	29	
300	9476	0	-41.6	5.7	0	82	290	14	300	9527	1	-39.5	18.1				300	9624	0	-35.1	20.3	2	93	278	21	
500	5802	0	-13.6		0	76	285	5	500	5828	1	-11.6	17.3				500	5864	0	-8.1	38.5	1	81	296	6	
700	3147	0	6.0		0	75	250	6	700	3160	1	9.0	18.6				700	3173	0	8.4	19.1	1	36	89	2	
850	1528	0	15.0		0	50	190	2	828	*1754		9.5	16.3				850	1530	0	22.1	21.1	1	20	263	1	
905	* 980		11.5	9.1													1007	* 27		31.0	8.9					

UPPER AIR

OCTOBER 2003

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
ASIA - OMAN SEEB, INTERNATIONAL AIRPORT 41256 OCT 2003 2335N 05817E OB 1									ASIA - OMAN SALALAH 41316 OCT 2003 1702N 05405E OB 3									ASIA - BANGLADESH DHAKA 41923 OCT 2003 2346N 09023E OB /											
030	23853	26	-56.9	32.3					030	23798	14	-57.1	29.3	9	98	90	18	030	23867	14	-57.8				9	88	90	8	
050	20692	10	-64.5	19.5	9	88	70	5	050	20620	4	-65.6	25.5	6	98	82	12	050	20688	12	-64.2				9	91	87	5	
100	16580	1	-75.5	17.2	2	95	244	14	100	16564	4	-79.4	16.9	4	49	219	4	100	16627	12	-80.2				9	60	230	5	
150	14181	1	-64.7	19.1	2	96	254	26	150	14199	4	-67.0	17.0	4	74	233	9	150	14267	12	-67.0				9	73	255	11	
200	12380	1	-50.0	19.0	2	96	261	29	200	12412	3	-54.0	17.1	4	76	239	9	200	12471	12	-52.4				9	85	246	13	
300	9658	0	-34.0	21.0	1	95	270	26	300	9683	2	-32.2	26.2	5	77	256	8	300	9715	12	-29.7	12.0			9	87	243	10	
500	5882	0	-7.1	33.0	2	74	299	8	500	5871	2	-4.3	39.6	3	33	25	2	500	5876	12	-4.8	11.1			9	84	240	7	
700	3189	0	8.4	16.3	1	76	45	5	700	3151	2	8.1	26.2	4	92	44	7	700	3152	12	9.4	4.0			9	61	217	5	
850	1544	0	22.6	24.2	1	29	305	4	850	1517	2	20.1	21.3	4	73	66	5	850	1512	12	18.3	5.8			9	38	207	2	
1011	* 8		25.4	7.6					1009	* 20		23.7	7.5					1010	* 9		25.8	1.3							
ASIA - INDIA SRINAGAR 42027 OCT 2003 3405N 07450E OB 3									ASIA - INDIA JODHPUR 42339 OCT 2003 2618N 07301E OB 3									ASIA - INDIA LUCKNOW/AMAUSI 42369 OCT 2003 2645N 08053E OB 3											
030									030									030											
050									050	20625	9	-61.7						050											
100									100	16565	9	-72.9						100											
150	13947	8	-61.3						150	14150	7	-65.6			9	98	245	15	150										
200	12135	3	-54.9		9	96	235	22	200	12336	2	-54.9			9	89	246	28	200	12325	4	-53.5	15.8						
300	9460	0	-41.9		9	83	250	12	300	9608	1	-33.8			2	98	250	29	300	9601	1	-33.5	19.4	6	62	246	19		
500	5794	0	-14.1	12.2	9	33	245	2	500	5838	0	-8.6	19.7	0	77	261	8	500	5806	0	-7.9	19.2	2	80	262	12			
700	3140	0	6.2	14.3	5	15	255	1	700	3156	0	7.1	17.1	0	60	9	4	700	3114	0	8.0	19.1	1	34	305	2			
844	*1587		13.0	5.2					850	1515	0	21.9	21.8	0	56	3	2	850	1488	0	16.3	12.1	0	32	324	4			
									985	* 224		27.9	20.8					996	* 128		24.7	4.7							
ASIA - INDIA GAUHATI 42410 OCT 2003 2606N 09135E OB 3									ASIA - INDIA PATNA 42492 OCT 2003 2536N 08506E OB 3									ASIA - INDIA AHMADABAD 42647 OCT 2003 2304N 07238E OB 3											
030									030									030											
050									050									050											
100	16618	8	-77.3						100	16597	5	-76.9						100	14239	6	-66.2			9	91	229	20		
150	14237	4	-66.1		9	89	243	24	150	14223	1	-67.1						150	12433	2	-53.3			7	94	231	22		
200	12412	0	-52.8		4	94	246	27	200	12429	1	-52.9						200	9685	0	-31.3			4	98	251	20		
300	9663	0	-30.8		1	97	245	23	300	9682	0	-30.9			3	95	180	18	300	5869	0	-5.3			2	77	268	8	
500	5846	0	-5.6	8.1	1	95	247	12	500	5859	0	-4.6			2	90	263	9	500	3153	0	-5.3			2	77	268	8	
700	3136	0	8.5	7.5	0	85	244	7	700	3139	0	9.1	8.3	1	34	270	2	700	1523	0	20.7	15.6	0	69	37	3			
850	1500	0	17.5	4.6	0	52	235	3	850	1497	0	18.3	8.2	0	5	291	1	850	1523	0	20.7	15.6	0	69	37	3			
1004	* 54		25.0	1.8					1003	* 60		24.6	1.6					1003	* 55		28.5	12.7							

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND						
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
																											hPa
ASIA - INDIA CALCUTTA/DUM DUM 42809 OCT 2003 2239N 08827E OB 3								ASIA - INDIA NAGPUR SONEGAON 42867 OCT 2003 2106N 07903E OB 3								ASIA - INDIA CWC VISHAKHAPATNAM/WALTAIR 43150 OCT 2003 1742N 08318E OB 3											
030									030										030								
050	20616	1	-62.1		1	95	97	7	050										050								
100	16499	1	-77.2		0	47	184	3	100	16608	3	-75.7							100	16550	2	-79.9		2	92	92	8
150	14169	0	-69.6		0	61	229	8	150	14220	0	-68.1							150	14195	1	-67.6		1	85	122	9
200	12397	0	-55.0		0	73	241	10	200	12436	0	-53.9		7	92	205	13	200	12403	0	-52.9	6.6	1	82	123	8	
300	9669	0	-31.5	7.7	0	76	246	8	300	9698	0	-31.2		6	89	234	8	300	9660	0	-31.0	7.2	1	73	126	4	
500	5849	0	-5.4	8.4	0	52	229	4	500	5868	0	-4.2	14.1	5	52	242	3	500	5836	0	-4.7	8.2	0	41	122	3	
700	3130	0	9.1	6.0	0	82	206	4	700	3140	0	9.4	8.8	0	54	41	3	700	3108	0	10.5	6.1	0	32	115	2	
850	1494	0	17.6	4.1	0	54	181	3	850	1502	0	18.7	7.0	0	78	36	5	850	1463	0	18.7	3.8	0	49	59	4	
1008	* 6		26.9	2.7					974	* 310		24.7	4.5						1000	* 66		27.2	3.1				
ASIA - INDIA MADRAS/MINAMBAKKAM 43279 OCT 2003 1300N 08011E OB 3								ASIA - INDIA PORT BLAIR 43333 OCT 2003 1140N 09243E OB 3								ASIA - HONG KONG, CHINA KING'S PARK 45004 OCT 2003 2219N 11410E OB 1											
030									030										030	23848	2	-57.4	31.1	2	97	83	11
050	20755	9	-62.7		9	98	89	14	050	20636	8	-64.7							050	20674	1	-65.1	26.6	1	94	90	7
100	16637	5	-77.6		5	96	94	11	100	16566	2	-79.6							100	16631	0	-80.6	15.3	0	22	269	2
150	14258	3	-66.0		3	92	98	15	150	14203	0	-68.2							150	14269	0	-66.2	17.0	0	35	277	5
200	12452	3	-52.1		3	88	103	11	200	12418	0	-53.3							200	12467	0	-52.2	18.8	0	50	301	7
300	9699	1	-30.0	7.9	1	73	107	6	300	9672	0	-30.1	7.9	9	93	89	7	300	9715	0	-30.3	20.0	0	72	300	9	
500	5862	0	-4.3	8.3	0	19	96	1	500	5844	0	-5.5	6.9	7	65	76	4	500	5880	0	-4.0	18.4	0	64	300	5	
700	3132	0	10.2	5.1	0	35	306	2	700	3128	0	9.1	5.4	3	22	55	1	700	3160	0	8.8	11.1	0	33	358	2	
850	1486	0	19.4	4.9	0	58	328	4	850	1493	0	17.1	3.0	1	11	244	1	850	1533	0	15.1	6.9	0	74	64	4	
1005	* 16		27.7	3.9					1000	* 79		25.8	1.9						1008	* 66		23.1	5.3				
ASIA - REPUBLIC OF KOREA OSAN AB 47122 OCT 2003 3706N 12702E OB 3								ASIA - REPUBLIC OF KOREA POHANG 47138 OCT 2003 3602N 12923E OB 3								ASIA - REPUBLIC OF KOREA KWANGJU AB 47158 OCT 2003 3507N 12649E OB 3											
030	23897	0	-55.1	26.8	0	72	252	5	030	23875	0	-56.1		0	61	260	4	030	23892	1	-55.7	17.9	1	65	254	4	
050	20662	0	-59.6	25.8	0	92	257	11	050	20656	0	-60.1		0	92	252	10	050	20669	0	-60.2	16.1	0	94	253	10	
100	16380	0	-63.5	25.2	0	98	265	29	100	16408	0	-65.6		0	97	260	29	100	16429	0	-66.6	14.1	0	97	263	28	
150	13865	0	-58.4	25.4	0	97	265	37	150	13912	0	-59.3		0	96	259	40	150	13944	0	-59.6	16.4	0	97	264	38	
200	12030	0	-52.4	24.3	0	96	266	38	200	12080	0	-52.2	23.0	0	96	261	40	200	12112	0	-52.3	18.0	0	96	266	39	
300	9347	0	-40.4	19.3	0	93	270	30	300	9386	0	-39.3	17.6	0	95	265	32	300	9415	0	-38.7	17.7	0	95	270	31	
500	5682	0	-15.6	16.4	0	90	276	19	500	5709	0	-14.9	25.2	0	92	273	18	500	5724	0	-14.0	22.7	0	92	276	17	
700	3067	0	-7	16.9	0	84	290	10	700	3084	0	.4	25.8	0	79	284	8	700	3089	0	1.2	25.4	0	82	290	9	
850	1498	0	6.4	12.8	0	66	303	5	850	1508	0	7.2	16.1	0	48	306	4	850	1510	0	7.4	14.2	0	62	326	5	
1012	* 52		11.8	5.2					1018	* 6		14.7	8.4						1017	* 13		12.6	4.8				

UPPER AIR

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LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
ASIA - JAPAN WAKKANAI 47401 OCT 2003 4525N 14141E OB 2									ASIA - JAPAN SAPPORO 47412 OCT 2003 4303N 14120E OB 2									ASIA - JAPAN NEMURO 47420 OCT 2003 4320N 14535E OB 2								
030	23849	4	-54.0		4	86	239	7	030	23864	2	-54.6		2	82	250	6	030	23859	0	-55.0		1	84	242	5
050	20572	3	-54.8		3	95	242	15	050	20608	0	-57.6		2	94	247	13	050	20614	0	-57.2		0	94	246	13
100	16161	0	-55.8		0	96	250	27	100	16241	0	-58.2		0	97	249	31	100	16262	0	-58.6		0	97	251	32
150	13573	0	-53.4		0	96	251	32	150	13672	0	-54.6		0	96	251	40	150	13700	0	-55.4		0	96	250	44
200	11713	0	-51.2		0	94	252	34	200	11817	0	-51.2		0	94	252	41	200	11847	0	-51.0		0	94	251	45
300	9065	0	-46.7		0	89	254	27	300	9147	0	-43.8		0	93	252	35	300	9173	0	-43.2		0	93	249	37
500	5516	0	-23.3	9.8	0	84	257	17	500	5566	0	-21.4	13.0	0	87	255	19	500	5576	0	-20.5	11.9	0	89	255	20
700	2973	0	-7.7	7.5	0	82	257	12	700	3003	0	-5.6	8.6	0	80	258	11	700	3006	0	-4.6	13.9	0	85	260	11
850	1437	0	.9	5.3	0	69	251	8	850	1458	0	2.5	5.9	0	67	256	7	850	1457	0	3.0	6.7	0	69	260	6
1012	* 11		11.0	5.9					1012	* 26		11.1	4.9					1010	* 39		10.5	3.2				
ASIA - JAPAN AKITA 47582 OCT 2003 3943N 14006E OB 2									ASIA - JAPAN WAJIMA 47600 OCT 2003 3723N 13654E OB 2									ASIA - JAPAN TATENO 47646 OCT 2003 3603N 14008E OB 2								
030	23861	0	-55.9		0	81	248	6	030	23876	0	-56.6		1	75	252	5	030	23875	2	-57.2		2	51	256	3
050	20637	0	-59.0		0	94	248	12	050	20661	0	-59.8		0	94	252	11	050	20675	1	-60.9		2	89	246	9
100	16342	0	-62.2		0	96	250	33	100	16406	0	-64.6		0	97	252	32	100	16469	0	-69.0		0	97	249	31
150	13815	0	-57.8		0	96	252	47	150	13910	0	-59.6		0	96	252	48	150	14011	0	-61.5		0	96	250	48
200	11976	0	-51.4		0	96	250	51	200	12078	0	-51.1		0	95	250	49	200	12186	0	-51.2		0	95	248	52
300	9284	0	-40.0		0	93	251	40	300	9373	0	-38.2		0	94	253	39	300	9456	0	-34.9	17.6	0	95	249	44
500	5638	0	-18.0	18.2	0	92	258	22	500	5691	0	-14.8	23.4	0	90	261	21	500	5731	0	-12.6	23.1	0	93	253	22
700	3046	0	-2.4	16.5	0	88	259	12	700	3072	0	-.9	17.9	0	79	257	10	700	3090	0	1.8	19.4	0	75	244	8
850	1484	0	4.6	6.4	0	69	250	7	850	1501	0	6.9	8.4	1	65	252	6	850	1505	0	8.2	5.2	0	43	257	3
1016	* 7		13.2	5.2					1015	* 14		13.7	3.7					1013	* 31		14.6	3.4				
ASIA - JAPAN HACHIJOJIMA/OMURE 47678 OCT 2003 3307N 13947E OB 2									ASIA - JAPAN YONAGO 47744 OCT 2003 3526N 13321E OB 2									ASIA - JAPAN SHIONOMISAKI 47778 OCT 2003 3327N 13546E OB 2								
030	23895	3	-57.3		3	7	213	1	030	23875	1	-56.6		2	68	251	4	030	23886	0	-57.4		0	41	254	2
050	20704	2	-62.3		3	59	243	4	050	20669	0	-60.9		0	93	252	10	050	20690	0	-62.3		0	88	251	7
100	16554	0	-73.1		1	95	247	27	100	16446	0	-67.3		0	97	254	30	100	16521	0	-71.3		0	97	249	27
150	14138	0	-64.1		1	94	250	38	150	13971	0	-60.7		0	97	252	45	150	14085	0	-62.4		0	95	250	41
200	12324	0	-51.4		0	95	248	41	200	12142	0	-51.2		0	95	252	47	200	12264	0	-51.0		0	94	249	45
300	9579	0	-32.3	17.8	1	95	249	36	300	9427	0	-37.1		0	95	256	34	300	9524	0	-33.8	18.3	0	96	249	37
500	5798	0	-9.0	16.1	0	90	246	21	500	5725	0	-13.3	22.0	0	90	260	19	500	5773	0	-10.6	25.6	0	92	258	19
700	3119	0	5.6	19.1	0	73	242	8	700	3085	0	1.4	24.3	0	71	269	8	700	3110	0	4.2	20.8	0	70	253	8
850	1511	0	11.8	7.0	0	18	233	2	850	1508	0	7.5	7.7	0	46	270	3	850	1513	0	10.4	7.8	0	8	59	1
996	* 153		19.7	3.0					1016	* 8		15.8	4.4					1008	* 75		18.3	4.8				

UPPER AIR

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LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
ASIA - JAPAN FUKUOKA 47807 OCT 2003 3335N 13023E OB 2								ASIA - JAPAN KAGOSHIMA 47827 OCT 2003 3133N 13033E OB 2								ASIA - JAPAN NAZE/FUNCHATOGE 47909 OCT 2003 2823N 12933E OB 2										
030	23883	1	-56.5		1	52	265	2	030	23884	1	-56.9		1	18	236	1	030	23863	3	-57.5		4	46	97	3
050	20679	0	-62.4		0	93	253	8	050	20691	1	-62.9		1	89	261	6	050	20683	3	-63.9		3	25	252	1
100	16486	0	-69.6		0	97	256	27	100	16541	0	-72.5		0	97	254	25	100	16586	0	-76.6		0	95	249	19
150	14031	0	-61.6		0	96	254	41	150	14116	0	-63.0		0	94	252	36	150	14193	0	-64.1		0	90	250	24
200	12206	0	-51.1		0	95	254	43	200	12297	0	-50.8		0	95	250	38	200	12380	0	-51.2		0	89	249	26
300	9483	0	-36.1		0	95	261	33	300	9554	0	-33.4	21.6	0	94	257	32	300	9628	0	-31.6	23.4	0	89	259	23
500	5757	0	-12.3	22.2	0	88	265	16	500	5793	0	-9.6	21.7	0	84	266	16	500	5831	0	-7.2	22.5	0	84	265	12
700	3105	0	3.5	23.9	0	73	285	7	700	3119	0	5.3	23.4	0	62	282	6	700	3134	0	7.8	22.6	0	67	289	6
850	1513	0	8.9	13.0	0	34	309	2	850	1516	0	11.2	12.2	0	32	358	2	850	1518	0	12.7	6.2	0	58	6	5
1016	* 15		18.6	8.3					1013	* 31		20.0	8.0					981	* 295		20.5	5.2				
ASIA - JAPAN ISHIGAKIJIMA 47918 OCT 2003 2420N 12410E OB 2								ASIA - JAPAN NAHA 47936 OCT 2003 2612N 12741E OB 2								ASIA - JAPAN MINAMIDAITOJIMA 47945 OCT 2003 2550N 13114E OB 2										
030	23863	2	-57.5		2	86	89	6	030	23879	1	-57.4		1	76	90	4	030	23866	3	-57.7		3	71	86	4
050	20686	2	-64.2		2	84	86	4	050	20700	1	-64.0		1	48	81	2	050	20692	3	-64.8		3	73	90	3
100	16633	0	-79.2		0	72	245	9	100	16627	0	-78.1		0	95	247	14	100	16636	1	-78.6		1	92	238	12
150	14257	0	-65.1		0	65	261	13	150	14240	0	-64.3		0	83	249	18	150	14253	0	-64.8		1	86	240	18
200	12447	0	-51.2		0	60	273	13	200	12425	0	-50.8		0	78	255	20	200	12442	0	-51.0		1	88	240	19
300	9692	0	-30.6	22.5	0	69	282	13	300	9670	0	-30.8	22.1	0	75	264	16	300	9682	0	-30.5	21.9	1	84	247	16
500	5865	0	-5.2	19.2	0	71	280	7	500	5856	0	-6.1	19.4	0	79	266	8	500	5861	0	-5.6	20.6	1	81	243	9
700	3151	0	9.1	18.9	0	38	350	2	700	3146	0	9.1	23.4	0	49	309	4	700	3146	0	10.1	23.1	1	61	256	4
850	1527	0	14.1	5.3	0	83	39	6	850	1522	0	13.8	5.6	1	71	27	6	850	1515	0	15.0	8.2	1	34	33	3
1014	* 7		24.8	7.1					1012	* 27		24.5	7.7					1011	* 20		24.1	4.9				
ASIA - JAPAN CHICHIJIMA 47971 OCT 2003 2705N 14211E OB 3								ASIA - JAPAN MINAMITORISHIMA 47991 OCT 2003 2418N 15358E OB 3								ASIA - THAILAND CHIANG MAI 48327 OCT 2003 1847N 09859E OB 1										
030	23880	4	-56.9		4	66	68	4	030	23870	6	-56.9		6	88	82	8	030	23854	26	-56.0					
050	20703	3	-64.6		3	51	71	3	050	20699	4	-65.5		4	92	92	8	050	20679	8	-65.5					
100	16651	0	-79.1		0	82	229	11	100	16676	0	-79.3		0	56	108	5	100	16646	3	-81.0		5	76	100	7
150	14272	0	-65.0		0	79	234	13	150	14302	0	-65.5		0	17	164	2	150	14296	2	-66.1		3	47	120	5
200	12464	0	-51.4		0	76	243	13	200	12495	0	-51.5		0	31	168	3	200	12495	1	-51.0		2	56	75	5
300	9708	0	-30.5	15.9	0	79	245	11	300	9738	0	-30.2	14.8	0	40	147	4	300	9732	1	-28.4		2	69	105	4
500	5885	0	-5.2	18.8	0	80	229	8	500	5908	0	-4.9	13.7	0	50	132	5	500	5885	1	-3.5	11.9	2	65	105	3
700	3164	0	10.4	12.6	0	63	223	5	700	3180	0	11.4	12.7	0	40	128	4	700	3157	0	10.4	6.4	0	80	95	5
850	1522	0	17.4	3.4	0	32	169	2	850	1532	0	18.8	8.8	0	50	126	5	850	1515	0	19.4	4.1	0	81	130	4
1012	* 8		26.2	2.5					1012	* 9		27.8	4.0					977	* 314		23.9	1.1				

UPPER AIR

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LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
ASIA - THAILAND UBOON RATCHATHANI 48407 OCT 2003 1515N 10452E OB 1									ASIA - THAILAND SONGKHLA 48568 OCT 2003 0712N 10036E OB 1									ASIA - CHINA HAILAR 50527 OCT 2003 4913N 11945E OB 3								
030	23856	5	-57.0		5	99	90	18	030									030	23773	4	-51.4	8.7	5		257	12
050	20676	5	-65.2		5	99	85	12	050	20622	5	-68.2		6	97	95	11	050	20474	1	-53.8	7.9	2	93	269	13
100	16645	2	-80.8		2	99	85	11	100	16601	1	-79.7		2	95	95	10	100	16037	1	-54.7	7.3	1	95	278	18
150	14294	1	-66.1		1	79	90	8	150	14255	1	-67.6		2	98	80	16	150	13440	1	-53.7	6.6	1	91	281	21
200	12494	1	-51.4		1	76	85	6	200	12465	1	-52.0		1	95	75	12	200	11598	1	-55.3	6.0	1	85	287	22
300	9736	1	-28.8		0	90	85	7	300	9710	1	-28.8	6.6	1	92	95	6	300	8998	1	-50.1	5.1	1	71	295	20
500	5892	0	-3.8	9.2	0	83	95	5	500	5868	1	-4.0	5.4	1	27	110	2	500	5483	0	-25.3	5.9	0	84	298	16
700	3164	0	10.2	6.8	0	93	85	5	700	3142	1	10.1	3.9	1	37	280	2	700	2968	0	-10.3	5.1	0	85	304	11
850	1523	0	19.2	5.6	0	71	90	3	850	1500	0	19.0	5.1	0	43	295	3	850	1449	0	-2.0	4.6	0	78	287	7
998	* 127		23.4	1.8					1009	* 5		25.0	1.7					944	* 611		-1.3	3.2				
ASIA - CHINA URUMQI 51463 OCT 2003 4347N 08737E OB 3									ASIA - CHINA BEIJING 54511 OCT 2003 3956N 11617E OB 3									ASIA - CHINA LHASA 55591 OCT 2003 2940N 09108E OB 3								
030	23752	3	-57.1	8.4	4	92	279	11	030	23839	1	-54.0	11.0	1	89	256	8	030	23848	3	-56.5		6	50	292	3
050	20565	0	-60.0	8.2	0		281	15	050	20599	0	-58.9	10.8	0		270	13	050	20660	1	-63.4		1	75	277	3
100	16255	0	-60.8	8.5	0	95	271	20	100	16295	0	-61.4	18.2	0	96	277	27	100	16577	0	-76.6		0	95	266	19
150	13719	0	-58.1	8.2	0	96	272	24	150	13771	0	-58.6	17.2	0	97	279	36	150	14183	0	-64.8		1	94	260	32
200	11908	0	-58.0	7.9	0	96	272	25	200	11948	0	-55.2	16.8	0	98	279	40	200	12375	1	-52.2	10.6	1	97	259	36
300	9300	0	-46.2	8.3	0	91	275	21	300	9299	0	-43.1	14.9	0	91	277	31	300	9632	0	-32.0	12.5	1	96	259	27
500	5704	0	-18.9	10.5	0	93	287	13	500	5673	0	-17.9	20.7	0	89	287	16	500	5841	0	-6.5	8.2	0	75	241	6
700	3115	0	-1.9	11.0	0	43	301	3	700	3080	0	-2.6	17.3	0	82	303	9	656	*3650		5.7	7.0				
850	1543	0	7.2	12.8	0	20	91	1	850	1516	0	5.7	15.3	0	60	322	6									
915	* 919		6.4	10.1					1017	* 55		9.7	6.6													
ASIA - CHINA KUNMING 56778 OCT 2003 2501N 10241E OB 3									ASIA - CHINA SHANGHAI 58362 OCT 2003 3124N 12128E OB 3									AFRICA - MADEIRA FUNCHAL 08522 OCT 2003 3238N 01654W OB 3								
030	23847	8	-56.7		9		75	8	030	23898	0	-56.6						030	23854	4	-56.5		4	64	261	3
050	20668	8	-64.8		9	50	94	2	050	20693	0	-61.6		0	86	248	6	050	20673	2	-60.4		3	73	265	3
100	16629	5	-79.4		8	58	260	7	100	16530	0	-71.9		0	96	266	24	100	16397	1	-64.6		3	87	272	6
150	14256	1	-65.7		5	75	279	12	150	14090	0	-62.1	20.8	0	95	269	36	150	13907	0	-62.0		2	85	272	9
200	12455	0	-52.5	8.9	1	79	289	15	200	12265	0	-51.3	21.4	0	95	272	36	200	12100	0	-56.5		0	76	269	11
300	9703	0	-30.3	10.3	1	81	277	13	300	9542	0	-35.6	21.5	0	93	277	28	300	9438	0	-39.8	12.4	0	75	268	10
500	5873	0	-5.0	8.9	0		274	11	500	5797	0	-10.5	19.7	0	94	277	16	500	5751	0	-13.6	17.3	0	73	281	6
700	3160	0	7.8	2.1	0	78	253	7	700	3128	0	4.1	24.9	0	89	288	8	700	3109	0	2.8	17.3	0	64	299	4
815	*1892		14.9	2.4					850	1534	0	9.6	16.7	0	50	346	3	850	1517	0	9.9	4.5	0	69	313	3
									1019	* 4		16.8	3.7					1010	* 56		21.6	7.3				

UPPER AIR

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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
AFRICA - MOROCCO CASABLANCA 60155 OCT 2003 3334N 00740W OB 1								AFRICA - ALGERIA DAR-EL-BEIDA 60390 OCT 2003 3643N 00315E OB 3								AFRICA - ALGERIA BECHAR 60571 OCT 2003 3137N 00214W OB 3												
030								030										030										
050								050	20645	5	-60.7			8	89	260	9	050	20678	5	-61.5			6	70	240	6	
100	16391	17	-64.1	26.7	9	96	257	15	100	16373	2	-64.4			5	87	260	9	100	16442	0	-66.9						
150	13893	16	-61.6	21.0	9	94	250	26	150	13896	2	-63.5			3	95	260	26	150	13990	0	-64.9			2	95	260	28
200	12095	15	-56.4	15.5	9	96	249	35	200	12113	1	-58.9			1	92	260	31	200	12213	0	-58.1			1	94	260	34
300	9433	15	-39.7	13.0	9	96	244	30	300	9466	1	-39.9	10.0		1	95	250	27	300	9547	0	-38.0	16.4		1	93	250	26
500	5743	15	-13.5	13.8	9	94	244	19	500	5770	1	-12.5	15.9		1	91	250	19	500	5823	0	-11.3	16.1		0	94	250	20
700	3099	15	3.1	15.5	9	96	235	14	700	3121	1	3.6	11.9		1	92	250	13	700	3157	0	6.4	12.9		0	95	240	14
850	1499	15	11.8	6.4	9	91	240	8	850	1515	1	13.4	9.8		1	88	250	8	850	1530	0	18.3	17.5		0	82	220	8
1007	* 62		19.5	2.0					1012	* 25		21.5	5.4						924	* 773		23.5	15.1					
AFRICA - ALGERIA IN SALAH 60630 OCT 2003 2712N 00228E OB 2								AFRICA - ALGERIA TAMANRASSET 60680 OCT 2003 2247N 00531E OB 3								AFRICA - NIGER NIAMEY-AERO 61052 OCT 2003 1329N 00210E OB 2												
030	23867	8	-57.6		9	77	110	6	030									030	23781	8	-57.6							
050	20686	1	-62.9		3	82	110	4	050	20676	2	-64.4			4	81	90	8	050	20624	4	-66.1						
100	16499	0	-70.6		1	90	260	15	100	16555	0	-73.0			0	78	275	10	100	16577	0							
150	14088	0	-66.3		2	95	280	24	150	14147	0	-66.4			0	93	285	18	150	14215	0	-67.7						
200	12314	0	-57.3		2	96	260	27	200	12364	0	-55.6			1	85	295	18	200	12448	0	-53.8						
300	9632		-36.4	15.7	1	83	260	15	300	9662	0	-34.9	19.8		2	69	300	9	300	9690	0	-31.5	26.5					
500	5887	0	-9.8	19.4	1	70	260	8	500	5902	0	-8.3	24.5		1	26	30	2	500	5877	0	-5.4	24.8					
700	3203		9.4	16.7	1	46	260	5	700	3203	0	9.7	16.2		2	49	60	3	700	3175	0	9.5	13.2					
850	1554	0	23.3	23.7	0	23	210	2	850	1548	0	25.0	27.1		0	62	130	3	850	1523	0	23.0	17.9					
983	* 293		35.4	26.1					869	*1378		25.4	22.9						984	* 227		32.3	14.8					
AFRICA - SENEGAL DAKAR/YOFF 61641 OCT 2003 1444N 01730W OB 3								AFRICA - OCEAN ISLANDS (UK) ST. HELENA IS. 61901 OCT 2003 1556S 00504W OB 3								AFRICA - OCEAN ISLANDS (FRANCE) MARTIN DE VIVIES (ILE AMSTER) 61996 OCT 2003 3748S 07732E OB 2												
030	23801	2	-58.0	31.1	3	96	90	21	030	23809	9	-58.7			9	97	80	14	030									
050	20636	0	-65.5	24.1	1	90	95	12	050	20639	8	-64.8			8	92	102	9	050	20636	3	-57.1			3	80	291	10
100	16564	0	-77.2	15.2	1	73	225	9	100	16570	8	-76.3			8	55	293	6	100	16294	0	-60.3			0	93	267	22
150	14202	0	-68.5	13.9	0	90	240	14	150	14177	8	-65.8			8	88	281	17	150	13757	0	-58.5			0	96	269	26
200	12421	0	-54.2	15.6	0	85	230	13	200	12389	8	-54.7			8	85	273	21	200	11949	0	-58.0			1	87	264	23
300	9690	0	-31.8	18.9	0	77	225	8	300	9672	8	-33.3	22.8		8	74	280	12	300	9326	0	-43.6			0	78	268	20
500	5884	0	-6.2	16.0	0	52	155	4	500	5879	8	-7.0	31.9		8	80	300	5	500	5692	0	-17.0	19.7		0	84	268	16
700	3178	0	9.1	10.5	0	81	110	8	700	3178	8	9.8	24.1		8	36	318	3	700	3087	0	-1.5	17.6		1	90	272	14
850	1533	0	21.0	13.1	0	72	95	5	850	1538	8	18.3	23.0		8	76	109	6	850	1519	0	5.2	10.5		1	83	268	10
1009	* 24		28.7	4.0					968	* 436		18.2	4.5						1016	* 29		13.7	4.4					

UPPER AIR

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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
AFRICA - OCEAN ISLANDS (FRANCE) PORT-AUX-FRANCAIS (ILES KERG) 61998 OCT 2003 4921S 07015E OB 2									AFRICA - EGYPT MERSA MATRUH 62306 OCT 2003 3120N 02713E OB 3									AFRICA - EGYPT HELWAN 62378 OCT 2003 2952N 03120E OB 3									
030									030										030								
050	20272	5	-53.0		6	95	279	41	050	20703	1	-61.7	3.0	1	87	274	5	050	20715	0	-62.0	33.1	0	65	281	3	
100	15826	2	-57.2		3	96	272	42	100	16466	0	-66.8	21.4	0	94	270	15	100	16499	0	-67.7	26.3	0	93	271	12	
150	13274	1	-57.9		3	95	268	42	150	14013	0	-64.8	16.2	0	92	278	19	150	14048	0	-63.9	22.5	0	92	271	16	
200	11462	1	-58.5		2	93	267	43	200	12234	0	-58.0	13.6	0	90	284	17	200	12260	0	-56.3	19.3	0	88	277	14	
300	8874	1	-49.1		2	90	267	39	300	9571	0	-38.5	16.0	0	87	286	13	300	9589	0	-37.5	18.1	0	86	277	10	
500	5357	1	-25.8	10.8	2	95	269	28	500	5846	0	-9.8	21.4	0	88	287	9	500	5857	0	-8.3	25.2	0	83	277	6	
700	2841	1	-11.1	15.4	3	93	268	21	700	3164	0	7.5	22.8	0	73	317	6	700	3162	0	9.5	26.4	0	64	302	4	
850	1331	1	-4.5	4.9	2	91	271	15	850	1539	0	16.7	18.1	0	63	322	5	850	1530	0	18.0	20.7	0	73	355	4	
1001	* 30		4.7	5.5					1013	* 29		24.0	11.2					998	* 141		25.5	14.6					
AFRICA - EGYPT ASSWAN 62414 OCT 2003 2358N 03247E OB 3									AFRICA - SUDAN KHARTOUM 62721 OCT 2003 1536N 03233E OB 3									AFRICA - SEYCHELLES SEYCHELLES INT. AIRPORT 63985 OCT 2003 0440S 05532E OB 3									
030	23876	2	-56.9		2	92	90	7	030									030	23687	1	-59.6	29.4	3	99	91	29	
050	20725	0	-63.7	31.7	0	83	90	4	050	20628	7	-65.7		9	97	90	15	050	20570	0	-69.0	19.9	2	96	88	12	
100	16581	0	-73.1	22.9	0	87	260	9	100	16562	3	-78.7		9	25	230	2	100	16560	0	-80.0	13.3	1	27	81	2	
150	14174	0	-65.2		0	93	260	19	150	14198	3	-67.1		9	80	260	8	150	14205	0	-67.1	13.9	1	12	296	1	
200	12382	0	-53.6	22.3	0	89	265	18	200	12409	3	-54.3		9	81	260	9	200	12413	0	-53.4	15.1	0	19	94	2	
300	9670	0	-33.9	24.2	0	73	260	10	300	9682	3	-32.3	18.4	9	40	210	3	300	9677	0	-31.4	17.6	0	41	40	2	
500	5888	0	-5.0	37.6	0	42	280	3	500	5875	3	-5.7	24.7	9	70	90	4	500	5858	0	-5.6	10.4	0	64	117	4	
700	3178	0	11.3	22.8	0	58	195	4	700	3159	3	11.0	11.7	9	55	80	3	700	3145	0	9.3	8.4	0	29	235	1	
850	1525	0	24.1	27.7	0	43	55	2	850	1498	3	23.8	19.2	9	78	70	4	850	1508	0	17.4	5.7	0	46	245	3	
988	* 194		31.2	28.9					963	* 380		37.0	28.0					1010	* 4		27.3	3.6					
AFRICA - CHAD NDJAMENA 64700 OCT 2003 1208N 01502E OB /									AFRICA - MADAGASCAR ANTANANARIVO/IVATO 67083 OCT 2003 1848S 04729E OB 1									AFRICA - SOUTH AFRICA IRENE 68263 OCT 2003 2555S 02813E OB 3									
030	23777		-58.3	28.6	5	10	90	27	030	23798	6	-58.2						030	23810	5	-59.0						
050	20620		-65.8	19.8	4	98	90	15	050	20629	3	-64.8		8	93	91	7	050	20645	4	-64.8						
100	16579	12	-79.6	12.4	3	33	190	3	100	16550	1	-74.5		6	90	272	9	100	16531	2	-72.5						
150	14220	0	-67.5	12.3	2	79	240	9	150	14139	1	-63.9		5	97	270	16	150	14104	2	-64.2						
200	12429	0	-53.2	14.8	2	71	230	8	200	12341	2	-54.3		4	89	278	17	200	12307	1	-56.0	15.9					
300	9690	0	-31.4	18.7	2	46	250	5	300	9633	1	-35.1	16.0	3	82	264	9	300	9619	0	-36.2	16.3					
500	5878				1	59	100	4	500	5862	1	-7.2	21.2	2	33	238	3	500	5864	0	-9.9	15.6					
700	3174				0	93	80	8	700	3166	1	7.6	11.7	2	69	151	5	700	3174	0	9.6	13.2					
850	1521	0	23.8	19.0	0	81	60	6	850	1540	1	14.2	3.9	2	83	89	3	850	1534	0	17.2	10.0					
976	* 295		26.1						878	*1276		15.8	3.4					881	*1523		16.3	7.3					

UPPER AIR

OCTOBER 2003

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
AFRICA - SOUTH AFRICA BLOEMFONTEIN AIRPORT 68442 OCT 2003 2911S 02630E OB 3									AFRICA - SOUTH AFRICA BETHLEHEM 68461 OCT 2003 2825S 02833E OB									AFRICA - SOUTH AFRICA DE AAR 68538 OCT 2003 3065S 02400E OB 3												
030	23561	4	-58.1		9		65	6	030	23826	11	-58.4						030	23876	3	-57.8									
050		3	-62.2		9		150	3	050	20655	10	-63.6						050	20685	2	-61.9									
100	16373	2	-67.9		9		270	30	100	16488	10	-69.6						100	16481	2	-67.8			9	87	269	18			
150	13949	2	-60.8		9	98	241	18	150	14033	10	-62.5						150	14004	1	-61.3			9	89	269	21			
200	12169	2	-55.0	18.1	9	93	272	16	200	12235	9	-56.1	14.7					200	12201	1	-56.4	14.8		9	90	268	23			
300	9522	2	-37.1	16.1	9	90	275	16	300	9560	9	-37.8	12.8					300	9533	1	-38.4	12.6		9	96	263	29			
500	5827	1	-10.7	16.0	9	78	265	9	500	5835	9	-11.1	11.5					500	5819	1	-11.6	17.3		9	86	271	17			
700	3162	1	8.0	17.3	4	72	298	6	700	3158	9	7.6	13.1					700	3150	1	6.3	16.7		5	75	290	9			
850	1524	1	23.1	24.4	4	63	302	3	835	*1687		12.6	5.7					850	1520	1	20.5	21.2	3	68	311	5				
867	*1359		26.5	30.1														873	*1287		25.0	24.6								
AFRICA - SOUTH AFRICA DURBAN INTNL. AIRPORT 68588 OCT 2003 2997S 03095E OB 3									AFRICA - SOUTH AFRICA CAPE TOWN INTNL. AIRPORT 68816 OCT 2003 3397S 01860E OB 3									AFRICA - SOUTH AFRICA PORT ELIZABETH 68842 OCT 2003 3398S 02562E OB 3												
030	23869	11	-58.0		9	57	117	4	030	23860	4	-57.9		5	46	265	5	030	23850	11	-58.8		9	17	217	2				
050	20682	8	-62.7		9	67	294	4	050	20666	2	-60.8		3	85	275	9	050	20656	10	-60.9		9	89	287	8				
100	16481	3	-68.0		7	93	263	17	100	16405	1	-64.7		3	96	275	25	100	16397	0	-64.8		2	96	268	24				
150	14011	3	-61.9		7	96	263	29	150	13905	1	-60.4		1	94	275	36	150	13901	0	-60.5		3	96	271	34				
200	12213	2	-56.9	14.7	5	91	262	27	200	12097	0	-56.0	16.1	1	92	273	39	200	12092	0	-56.7	15.3	4	91	271	36				
300	9548	2	-38.6	12.5	5	88	264	26	300	9436	0	-39.9	14.1	3	87	275	34	300	9437	0	-40.2	14.7	4	85	277	30				
500	5832	2	-11.5	15.4	4	88	268	17	500	5749	0	-13.3	18.4	2	86	281	21	500	5754	0	-13.5	18.9	6	85	280	20				
700	3162	2	6.9	14.2	4	75	286	8	700	3104	0	3.5	26.7	2	84	286	11	700	3110	0	3.4	18.1	6	75	287	10				
850	1544	2	13.6	8.3	4	26	332	2	850	1507	0	11.2	19.2	3	56	306	4	850	1510	0	11.4	12.7	7	31	286	3				
1017	* 14		18.6	2.6					1011	* 46		13.7	3.2					1009	* 69		14.8	2.5								
AFRICA - SOUTH AFRICA GOUGH ISLAND 68906 OCT 2003 4021S 00953W OB 3									AFRICA - SOUTH AFRICA MARION ISLAND 68994 OCT 2003 4653S 03752E OB 3									N AMERICA - USA (ALASKA) BARROW/W. POST W. ROGERS 70026 OCT 2003 7118N 15647W OB 3												
030	23788	7	-57.9		8	71	275	17	030	23580	18	-55.6		9	92	265	38	030	23626	1	-56.4	19.6	2	86	257	8				
050	20564	2	-58.8		3	89	275	20	050	20361	11	-56.6		9	96	275	41	050	20372	1	-54.5	19.8	2	84	237	8				
100	16236	1	-59.9		2	93	268	24	100	15986	9	-58.1		9	97	273	39	100	15912	0	-52.4	19.4	2	79	225	9				
150	13693	1	-57.1		2	91	271	26	150	13428	9	-57.2		9	96	272	39	150	13285	0	-51.5	17.3	1	79	227	10				
200	11861	0	-55.3	19.2	2	85	264	30	200	11605	8	-57.8	18.4	9	94	276	38	200	11420	0	-52.7	12.7	1	78	230	13				
300	9223	0	-44.2	15.4	0	74	262	25	300	9008	8	-48.1	12.6	9	88	275	32	300	8814	0	-51.9	7.6	0	65	220	15				
500	5620	0	-19.4	13.9	0	68	261	13	500	5457	8	-22.5	17.7	9	87	272	23	500	5344	0	-29.3	7.8	0	58	222	8				
700	3038	0	-3.5	16.4	0	66	269	10	700	2913	7	-6.9	15.2	8	88	268	17	700	2863	0	-14.1	6.0	0	32	196	3				
850	1485	0	2.2	8.2	0	61	272	8	850	1381	6	-1.2	7.8	7	77	265	10	850	1370	0	-7.5	4.1	1	18	104	2				
1013	* 54		9.5	2.9					1006	* 21		4.8	.9					1011	* 4		-4.3	1.7								

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
N AMERICA - USA (ALASKA) KOTZEBUE, RALPH WIEN 70133 OCT 2003 6652N 16238W OB 3									N AMERICA - USA (ALASKA) NOME 70200 OCT 2003 6430N 16526W OB 3									N AMERICA - USA (ALASKA) ANCHORAGE/INT. 70273 OCT 2003 6110N 15001W OB 3								
030	23700	6	-53.8	21.4	6	78	256	8	030	23754	4	-52.3	20.6	4	71	263	6	030	23766	1	-54.6	20.9	1	56	272	4
050	20419	6	-53.1	21.7	6	78	239	9	050	20457	3	-51.9	20.8	4	70	230	5	050	20488	1	-53.4	21.2	2	57	236	5
100	15942	4	-51.5	21.6	4	76	219	8	100	15954	2	-51.0	20.9	3	66	219	6	100	16015	1	-52.4	20.4	2	65	220	7
150	13308	4	-51.3	20.9	4	73	216	10	150	13318	2	-50.7	19.7	3	61	220	6	150	13391	1	-52.2	18.2	2	68	219	8
200	11434	1	-51.8	17.4	1	68	214	11	200	11441	1	-51.4	15.7	2	53	220	7	200	11529	1	-52.5	13.2	2	60	215	8
300	8810	0	-51.2	7.8	0	63	202	13	300	8817	1	-50.7	7.5	1	48	197	9	300	8928	0	-50.9	5.9	2	53	187	9
500	5336	0	-28.8	9.2	0	56	201	8	500	5334	1	-28.9	9.5	1	44	204	5	500	5423	0	-25.6	6.9	1	60	171	8
700	2850	0	-13.2	7.0	0	50	187	5	700	2847	1	-13.2	7.0	2	19	220	2	700	2897	0	-8.5	7.2	0	70	158	8
850	1348	0	-5.8	3.9	0	25	146	2	850	1345	1	-5.8	3.8	2	9	94	1	850	1366	0	.3	7.0	1	68	125	6
1007	* 5		.5	3.1					1007	* 7		-.4	3.0					1000	* 40		3.6	1.8				
N AMERICA - USA (ALASKA) COLD BAY 70316 OCT 2003 5512N 16243W OB 3									N AMERICA - USA (ALASKA) YAKUTAT 70361 OCT 2003 5931N 13940W OB 3									N AMERICA - USA (ALASKA) SHEMYA AFB 70414 OCT 2003 5243N 17406E OB 3								
030	23805	1	-53.5	22.3	1	50	261	2	030	23788	1	-56.7	19.1	2	63	291	5	030								
050	20515	1	-53.1	22.2	1	71	231	4	050	20533	0	-55.0	18.7	2	60	248	6	050								
100	16030	1	-51.3	22.2	1	72	236	7	100	16085	0	-53.6	18.1	3	67	219	9	100								
150	13394	1	-50.6	21.4	1	63	236	7	150	13472	0	-52.1	16.8	2	72	218	12	150								
200	11510	0	-50.3	18.4	0	58	238	7	200	11614	0	-53.0	12.3	2	67	216	13	200	11593							
300	8871	0	-49.9	8.4	0	21	234	3	300	8997	0	-49.1	7.7	1	46	209	10	300	8970	12	-49.0					
500	5367	0	-26.4	9.5	0	6	235	1	500	5466	0	-24.4	9.3	0	46	193	7	500	5452	9	-26.4	12.8	9	72	330	9
700	2852	0	-10.5	8.3	0	23	341	3	700	2932	0	-7.8	9.5	1	49	168	5	700	2939	9	-10.5	13.1	9	58	348	6
850	1334	0	-2.7	2.3	0	27	348	4	850	1396	0	.5	5.5	0	57	146	5	850	1421	9	-2.9	6.4	9	50	354	5
1000	* 31		4.9	2.1					1008	* 9		3.9	1.3					1011	* 31		6.6	3.6				
N AMERICA - USA KEY WEST/INT., FL. 72201 OCT 2003 2433N 08145W OB									N AMERICA - USA SHREVEPORT/REG., LA. 72248 OCT 2003 3228N 09347W OB 2									N AMERICA - USA NEWPORT, NC 72305 OCT 2003 3447N 07653W OB 2								
030	23907	2	-56.1	11.1	2	86	76	6	030	23795	2	-58.6	20.7	2	50	279	3	030	23812	1	-58.1	17.8				
050	20709	2	-63.4	8.6	2	82	108	5	050	20617	1	-62.7	16.2	1	75	244	4	050	20622	1	-61.6	15.6				
100	16570	1	-74.8	7.0	1	83	284	9	100	16460	1	-72.3	10.7	3	89	283	13	100	16402	1	-68.0	12.1				
150	14179	1	-65.8	8.1	1	79	284	16	150	14044	1	-65.1	11.1	2	91	279	22	150	13943	1	-62.8	11.9				
200	12382	1	-53.9	9.7	1	76	288	16	200	12256	1	-56.2	11.2	2	85	277	25	200	12147	1	-56.1	11.4	9	91	273	26
300	9661	1	-33.4	11.9	1	73	286	10	300	9572	1	-37.0	11.8	2	76	277	17	300	9477	1	-38.8	12.7	8	83	263	20
500	5871	0	-6.8	16.0	0	67	291	5	500	5825	1	-8.9	19.2	1	79	285	10	500	5765	0	-11.1	15.9	3	89	268	16
700	3162	0	9.2	14.2	1	28	279	1	700	3140	1	7.0	16.3	2	70	287	6	700	3107	0	2.9	12.5	2	74	267	9
850	1529	0	17.0	7.8	0	28	79	1	850	1523	1	13.9	12.2	1	48	284	3	850	1513	0	10.1	7.6	1	40	280	3
1013	* 6		26.3	3.6					1007	* 79		14.8	1.6					1016	* 11		13.1	1.3				

UPPER AIR

OCTOBER 2003

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
N AMERICA - USA NASHVILLE/OLD HICKORY, TN. 72327 OCT 2003 3615N 08634W OB 3									N AMERICA - USA STERLING, VA. 72403 OCT 2003 3859N 07728W OB 3									N AMERICA - USA NORTH PLATTE/LEE BIRD, NE. 72562 OCT 2003 4108N 10041W OB 3									
030	23871	1	-56.2	12.6	3	74	270	5	030	23806	2	-57.7	20.2	2	68	271	4	030	23777	1	-58.4	21.1	2	82	271	6	
050	20655	1	-60.1	10.9	5	86	258	7	050	20606	2	-60.4	18.1	2	91	250	8	050	20599	1	-62.6	18.0	3	77	296	6	
100	16406	0	-66.5	9.5	7	86	285	15	100	16326	2	-63.9	15.6	2	92	264	20	100	16366	1	-65.5	14.7	4	84	287	16	
150	13930	0	-61.4	10.3	6	89	283	24	150	13815	2	-59.2	14.6	2	89	263	26	150	13881	0	-61.8	12.8	4	83	283	21	
200	12127	0	-56.1	11.1	4	87	287	28	200	12001	2	-56.1	12.0	2	87	264	30	200	12083	0	-57.3	10.7	2	74	284	22	
300	9459	0	-39.2	11.7	1	84	282	24	300	9348	2	-41.2	10.1	2	81	266	26	300	9429	0	-40.1	11.7	1	73	288	21	
500	5755	0	-11.8	16.5	0	82	281	16	500	5681	2	-15.2	12.0	2	81	266	18	500	5744	0	-13.5	13.0	0	82	293	15	
700	3102	0	2.4	13.8	0	74	279	10	700	3062	2	-.9	13.2	2	81	274	11	700	3096	0	3.5	14.2	0	81	297	10	
850	1513	0	9.4	9.0	0	57	268	6	850	1492	3	6.2	7.2	3	71	280	8	850	1496	0	11.6	13.3	1	41	271	5	
996	* 180		11.2	2.2					1007	* 98		7.9	1.9					919	* 849		4.5	2.6					
N AMERICA - USA MEDFORD/MEDFORD- JACKSON COU 72597 OCT 2003 4222N 12252W OB 3									N AMERICA - USA CHANHASSEN, MN 72649 OCT 2003 4451N 09334W OB 2									N AMERICA - USA INT. FALLS/FALLS INT. MN. 72747 OCT 2003 4834N 09323W OB 3									
030	23829	0	-60.2	11.8	3	49	331	3	030	23744	2	-58.8	19.6	2	85	274	7	030						9		272	7
050	20660	0	-62.2	11.1	5	52	319	4	050	20561	2	-61.5	18.0	2	75	301	6	050	20522	8	-60.0	19.3	8	78	302	8	
100	16414	0	-65.2	10.3	7	70	280	11	100	16266	2	-61.3	16.4	2	89	295	16	100	16181	7	-58.3	18.1	8	77	295	13	
150	13923	0	-61.3	11.1	6	69	277	15	150	13735	2	-58.3	14.5	4	85	296	24	150	13618	5	-55.9	16.9	6	82	299	20	
200	12120	0	-55.2	11.8	5	67	271	18	200	11914	2	-55.4	11.1	2	84	295	31	200	11783	4	-54.0	13.9	6	80	301	26	
300	9448	0	-39.4	13.4	1	75	269	21	300	9270	2	-43.1	8.3	2	84	298	29	300	9140	4	-44.5	8.8	5	71	308	25	
500	5757	0	-12.6	17.3	0	75	266	14	500	5627	2	-16.7	11.7	2	83	297	21	500	5535	2	-19.8	11.3	2	79	310	19	
700	3109	0	2.7	18.9	0	60	255	7	700	3024	2	-2.5	13.1	3	81	294	12	700	2967	2	-6.1	10.5	2	70	305	10	
850	1514	0	10.5	10.8	0	35	193	2	850	1460	2	5.6	10.0	3	72	287	8	850	1426	2	.9	5.8	2	58	297	6	
972	* 405		9.0	3.1					980	* 287		6.4	3.2					969	* 361		2.7	1.8					
N AMERICA - USA BISMARCK/MUN., ND. 72764 OCT 2003 4646N 10045W OB 3									N AMERICA - USA GREAT FALLS, MT 72649 OCT 2003 4451N 09334W OB 2									N AMERICA - USA SPOKANE, WA 72747 OCT 2003 4834N 09323W OB 3									
030	23742	1	-60.1	11.3	7	80	293	6	030	23746	2	-61.9	9.2	4	70	316	5	030	23789	1	-60.8	9.5	2	65	326	5	
050	20565	0	-61.5	10.9	9	76	307	6	050	20591	2	-62.0	9.1	4	64	309	5	050	20615	0	-61.2	9.2	1	67	301	6	
100	16273	1	-61.5	10.3	9	82	290	12	100	16306	1	-62.4	8.9	5	78	276	12	100	16320	0	-62.0	9.0	5	76	278	12	
150	13735	1	-58.1	10.7					150	13780	1	-58.9	9.3	4	81	281	20	150	13795	0	-58.8	9.3	6	69	269	16	
200	11918	0	-55.7	10.2	9	73	277	19	200	11964	0	-55.8	9.1	2	71	282	21	200	11971	0	-54.5	9.3	7	67	270	19	
300	9273	0	-42.6	9.6	8	71	283	21	300	9316	0	-42.6	8.9	1	72	285	23	300	9314	0	-42.5	9.6	3	69	267	23	
500	5632	0	-17.0	12.0	4	76	290	16	500	5675	0	-16.8	15.2	0	81	283	16	500	5675	0	-17.1	10.7	1	75	263	15	
700	3030	0	-1.9	10.5	1	84	304	12	700	3068	0	-.8	14.6	1	83	283	11	700	3072	0	-1.8	9.4	1	68	254	9	
850	1459	0	6.9	11.0	1	68	300	6	850	1488	0	9.6	13.6	0	82	254	8	850	1497	0	8.2	11.0	2	50	237	5	
954	* 506		4.0	4.9					887	*1131		5.6	7.7					933	* 728		6.4	4.9					

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
N AMERICA - ST. MAARTEN, ST. EUST., SABA JULIANA AIRPORT, ST. MAARTEN 72764 OCT 2003 4646N 10045W OB 3									N AMERICA - TRINIDAD AND TOBAGO PIARCO INT. AIRPORT, TRINIDAD 72649 OCT 2003 4451N 09334W OB 2									N AMERICA - CURACAO AND BONAIRE HATO AIRPORT, CURACAO 72747 OCT 2003 4834N 09323W OB 3								
030	23931	3	-56.5		3	95	88	16	030	23834	8	-58.3		8	23	160	6	030	23870	0	-57.2		0	99	91	25
050	20726	1	-63.3		1	92	95	10	050	20669	6	-65.0		8	31	265	5	050	20697	0	-65.2		0	98	84	14
100	16632	1	-76.3		1	48	28	4	100	16583	5	-78.0		7	17	340	2	100	16618	0	-78.4		0	50	310	4
150	14254	1	-66.1		1	47	344	6	150	14217	5	-67.2		5	8	245	2	150	14250	0	-66.4	5.6	0	52	299	6
200	12474	1	-53.1		1	41	340	5	200	12427	4	-53.3		4	26	30	6	200	12453	0	-52.6	11.4	0	39	287	4
300	9722	1	-31.6		1	13	355	1	300	9687	3	-31.0	11.9	3	25	95	3	300	9704	0	-30.4	12.1	0	15	358	1
500	5908	1	-5.5	25.0	1	18	70	1	500	5870	0	-5.2	11.5	0	52	75	5	500	5878	0	-5.4	12.0	0	53	96	4
700					1	24	82	1	700	3152	0	9.8	7.6	0	59	165	12	700	3159	0	10.3	9.7	0	82	110	4
850	1551	0	18.9	13.1	0	73	83	4	850	1510	0	19.0	5.5	0	44	30	5	850	1513	0	19.5	4.6	0	80	116	5
1014	* 9		27.3	22.7					1010	* 15		28.0	2.7					1004	* 62		27.2	3.1				
S AMERICA - COLOMBIA BOGOTA/ELDORADO 72764 OCT 2003 4646N 10045W OB 3									S AMERICA - COLOMBIA LETICIA/VASQUEZ COBO 72649 OCT 2003 4451N 09334W OB 2									S AMERICA - BRAZIL BELEM (AEROPORTO) 72747 OCT 2003 4834N 09323W OB 3								
030	23706	18	-61.4						030	23474	20	-58.8		9	98	87	26	030	23855	11	-57.6	24.9	9	99	92	29
050	20592	10	-67.3						050	20477	17	-68.6		9	97	96	15	050	20701	8	-66.1	21.5	8	97	87	15
100	16567	3	-80.6						100	16582	17	-79.6		9	15	138	1	100	16637	6	-78.6	14.5	7	41	299	4
150	14215	3	-68.1						150	14225	16	-68.3		9	68	264	7	150	14272	5	-66.5	16.4	5	82	251	9
200	12429	1	-53.8						200	12437	16	-53.5		9	40	244	4	200	12473	4	-52.0	19.0	5	78	242	7
300	9688	0	-30.7	11.4					300	9692	16	-31.0	11.8	9	13	126	1	300	9717	4	-30.0	23.6	4	36	249	3
500	5865	0	-5.7	5.8					500	5878	14	-6.3	4.7	9	53	114	3	500	5881	4	-4.8	29.2	4	67	70	3
700	3150	0	8.9	4.6					700	3165	14	9.3	6.2	9	82	90	4	700	3163	3	9.7	13.4	4	94	106	8
752	*2546		10.1	.7					850	1524	14	18.9	6.7	9	94	52	5	850	1520	4	18.6	4.2	4	96	110	8
									1003	* 84		24.0	.8					1010	* 16		27.7	3.5				
S AMERICA - BRAZIL MANAUS (AEROPORTO) 72764 OCT 2003 4646N 10045W OB 3									S AMERICA - BRAZIL FORTALEZA 72649 OCT 2003 4451N 09334W OB 2									S AMERICA - BRAZIL FLORIANO 72747 OCT 2003 4834N 09323W OB 3								
030	23847	11	-58.1	25.2	9	99	94	30	030	23714	15	-60.2						030	23724	8	-59.7		9	99	91	27
050	20689	4	-66.7	18.1	5	96	92	14	050	20594	6	-68.6		9	96	91	14	050	20601	4	-67.9		7	93	91	13
100	16623	4	-79.6	10.3	5	14	220	1	100	16569	5	-80.5		5	56	273	5	100	16575	3	-80.0		5	38	273	3
150	14265	3	-67.1	11.9	3	74	245	7	150	14221	4	-68.0		5	88	265	12	150	14225	3	-68.1		4	82	253	9
200	12469	3	-52.6	13.2	3	63	249	5	200	12435	3	-53.6		3	64	267	7	200	12438	3	-53.7		4	83	239	10
300	9716	3	-30.2	16.1	3	50	224	3	300	9697	3	-31.3	27.4	3	43	329	3	300	9701	3	-31.5	20.4	4	46	253	3
500	5872	3	-5.5	9.3	3	50	63	2	500	5876	2	-5.1	34.0	2	50	89	3	500	5881	2	-5.3	32.4	2	45	68	3
700	3167	3	9.2	8.4	4	91	86	5	700	3160	2	9.5	22.9	2	69	90	5	700	3163	2	8.7	10.7	2	92	149	6
850	1526	3	18.4	2.5	3	99	66	7	850	1527	2	15.4	6.2	2	96	126	11	850	1531	2	17.0	6.7	2	94	86	7
1002	* 84		26.8	2.7					1011	* 26		28.5	6.4					999	* 123		30.1	10.6				

UPPER AIR

OCTOBER 2003

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
S AMERICA - BRAZIL CAROLINA 72764 OCT 2003 4646N 10045W OB 3									S AMERICA - BRAZIL PORTO VELHO (AEROPORTO) 72649 OCT 2003 4451N 09334W OB 2									S AMERICA - BRAZIL RECIFE (CURADO) 72747 OCT 2003 4834N 09323W OB 3										
030									030	23761	16	-60.0						030	23725	11	-59.5			9	99	95	26	
050	20629	8	-67.6		9	96	91	13	050	20618	8	-66.5			9	96	95	13	050	20597	10	-67.9			9	96	95	11
100	16588	6	-79.8		7	27	271	2	100	16572	7	-80.0			9	54	167	4	100	16565	10	-78.9			9	47	299	4
150	14238	5	-68.1		6	83	252	10	150	14218	7	-67.5			9	82	259	9	150	14206	9	-68.0			9	84	276	13
200	12448	5	-53.5		6	79	242	10	200	12429	7	-53.6			9	78	270	7	200	12421	9	-54.3			9	73	273	11
300	9711	5	-31.1	16.0	5	31	274	2	300	9689	7	-31.2	17.9		9	56	237	5	300	9692	7	-31.9	22.7		9	33	296	4
500	5887	5	-5.0	28.9	5	22	38	1	500	5872	7	-6.1	8.0		9	20	114	1	500	5874	6	-5.2	32.0		9	27	26	2
700	3171	5	8.2	6.4	5	94	101	8	700	3155	7	9.0	4.5		9	67	78	3	700	3158	6	9.8	27.3		9	67	77	3
850	1534	5	18.5	5.3	5	75	53	5	850	1518	7	18.7	5.3		9	52	45	4	850	1530	6	14.6	4.2		9	90	125	7
991	* 192		26.2	3.1					1001	* 102		25.7	.5						1014	* 7		27.5	10.1					
S AMERICA - BRAZIL VILHENA (AEROPORTO) 72764 OCT 2003 4646N 10045W OB 3									S AMERICA - BRAZIL SALVADOR 72649 OCT 2003 4451N 09334W OB 2									S AMERICA - BRAZIL BOM JESUS DA LAPA 72747 OCT 2003 4834N 09323W OB 3										
030	23748	12	-59.9		9	98	92	21	030									030										
050	20607	7	-65.8		7	95	96	9	050	20626	11	-65.9			9	95	87	10	050	20606	6	-65.7			7	95	94	10
100	16545	4	-79.0		4	57	219	4	100	16568	7	-76.4			7	56	277	5	100	16548	4	-77.8			5	67	271	6
150	14186	4	-68.0		4	89	264	12	150	14188	7	-66.6			7	90	271	13	150	14176	3	-67.3			6	84	251	14
200	12400	0	-53.9		4	85	274	12	200	12400	6	-54.5			6	83	260	15	200	12394	3	-54.6			6	84	250	16
300	9666	4	-32.0	16.3	4	62	264	7	300	9679	4	-32.9	16.6		4	73	288	10	300	9670	3	-32.6	16.3		7	72	261	9
500	5862	4	-6.2	12.3	4	9	263	1	500	5876	4	-5.7	34.1		4	31	9	2	500	5867	3	-6.2	25.1		4	30	281	2
700	3154	4	8.6	6.3	4	45	359	3	700	3166	4	8.3	18.6		4	55	100	3	700	3165	3	7.8	10.2		3	56	168	3
850	1515	4	18.6	6.5	4	54	23	4	850	1542	4	14.7	7.0		4	76	107	5	850	1531	3	17.6	11.0		3	88	92	5
943	* 652		22.7	2.6					1011	* 51		27.0	4.9						964	* 440		27.1	9.8					
S AMERICA - BRAZIL CUIABA (AEROPORTO) 72764 OCT 2003 4646N 10045W OB 3									S AMERICA - BRAZIL BRASILIA (AEROPORTO) 72649 OCT 2003 4451N 09334W OB 2									S AMERICA - BRAZIL CARAVELAS 72747 OCT 2003 4834N 09323W OB 3										
030	23802	7	-59.1		7	97	87	15	030	23804	9	-59.4						030										
050	20640	5	-64.7		7	89	106	8	050	20645	6	-65.1						050	20628	7	-65.0			7	92	101	6	
100	16560	3	-77.1		5	58	245	6	100	16566	5	-76.6						100	16543	4	-75.8			4	62	275	7	
150	14189	3	-67.1		4	94	262	18	150	14183	5	-67.6						150	14147	4	-65.7			5	82	264	16	
200	12401	2	-54.2		3	88	273	18	200	12401	4	-54.8						200	12355	4	-54.9			4	81	261	18	
300	9677	2	-32.9	17.2	3	78	263	11	300	9679	2	-32.7	11.0					300	9648	4	-34.3	19.7		4	73	283	11	
500	5878	2	-6.4	23.0	3	23	203	2	500	5877	2	-6.5	20.3					500	5868	5	-7.0	33.0		4	50	302	5	
700	3171	2	8.8	8.7	3	50	16	3	700	3175	2	8.1	8.8					700	3167	4	7.9	20.6		4	30	2	2	
850	1531	2	19.1	8.5	3	57	14	4	850	1538	2	18.0	8.7					850	1547	4	14.3	9.1		4	57	53	4	
992	* 182		25.5	4.8					898	*1061		20.8	6.3					1017	* 3		25.9	5.8						

UPPER AIR

OCTOBER 2003

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
S AMERICA - BRAZIL CAMPO GRANDE (AEROPORTO) 72764 OCT 2003 4646N 10045W OB 3									S AMERICA - BRAZIL TRINDADE (ILHA) 72649 OCT 2003 4451N 09334W OB 2									S AMERICA - BRAZIL GALEAO 72747 OCT 2003 4834N 09323W OB 3									
030									030									030	23927	16	-57.4	25.6	9	80	77	6	
050	20652	5	-64.9		6	64	96	5	050	20650	7	-65.1		9	77	85	5	050	20743	6	-62.3	23.2	7	50	79	3	
100	16551	5	-75.0		5	83	252	12	100	16537	5	-73.2		7	88	286	11	100	16568	5	-70.7	16.5	5	80	265	12	
150	14152	5	-66.0		5	81	267	20	150	14122	4	-65.4		5	80	279	17	150	14133	4	-63.6	16.0	4	87	261	21	
200	12364	5	-55.0		5	84	271	22	200	12339	4	-54.4		5	84	280	19	200	12333	3	-55.2	14.9	3	83	268	25	
300	9656	5	-34.7	23.2	6	81	267	15	300	9640	4	-34.7	21.4	5	84	283	16	300	9626	2	-34.9	17.8	3	68	269	14	
500	5883	5	-7.5	29.2	6	38	218	3	500	5870	4	-7.6	32.0	4	67	275	7	500	5860	2	-8.3	23.3	2	68	257	8	
700	3183	5	8.7	16.1	5	23	316	2	700	3178	4	7.2	34.3	4	38	307	3	700	3169	2	6.4	13.1	2	53	270	4	
850	1547	5	18.4	11.5	5	52	1	4	850	1564	4	12.8	9.0	4	38	47	3	850	1548	2	14.3	4.3	2	45	349	2	
950	* 567		24.8	9.1					1020	* 5		25.9	7.4					1017	* 6		23.4	4.1					
S AMERICA - BRAZIL CURITIBA (AEROPORTO) 72764 OCT 2003 4646N 10045W OB 3									S AMERICA - BRAZIL PORTO ALEGRE (AERO- PORTO) 72649 OCT 2003 4451N 09334W OB 2									S AMERICA - CHILE ANTOFAGASTA 72747 OCT 2003 4834N 09323W OB 3									
030	23942	14	-57.4	24.9	9	24	70	2	030	23922	11	-57.4	24.9	9	25	326	4	030	23809	4	-59.3						
050	20735	9	-61.4	21.9	9	29	6	3	050	20718	7	-61.5	22.9	7	36	312	4	050	20638	3	-62.8			5	22	141	2
100	16545	7	-70.4	15.8	7	91	269	15	100	16487	5	-66.9	17.6	6	90	263	18	100	16520	1	-73.9						
150	14102	6	-63.2	16.1	6	87	258	23	150	14006	4	-60.9	16.9	5	85	272	27	150	14102	1	-64.0	25.7	1	94	273	25	
200	12298	4	-54.8	14.9	6	84	262	25	200	12199	3	-55.3	16.7	3	82	272	27	200	12303	1	-54.8	23.6	3	94	267	28	
300	9600	4	-36.3	16.4	4	78	271	16	300	9523	3	-38.6	16.4	3	79	265	20	300	9605	0	-36.3	27.0	1	88	266	19	
500	5848	3	-8.9	22.0	4	73	259	8	500	5810	3	-11.2	22.8	3	86	255	12	500	5850	0	-7.8	36.3	2	79	274	7	
700	3160	3	7.1	13.8	3	56	266	5	700	3144	3	5.1	17.9	3	75	246	6	700	3144	0	10.1		2	15	11	1	
850	1540	3	12.3	3.0	3	43	61	4	850	1535	3	12.4	9.3	3	40	294	3	850	1500	0	18.2	34.8	1	58	44	2	
916	* 908		16.1	3.4					1018	* 3		19.9	4.9					1003	* 140		15.3	3.9					
S AMERICA - CHILE ISLA DE PASCUA 72764 OCT 2003 4646N 10045W OB 3									S AMERICA - CHILE PUERTO MONTT 72649 OCT 2003 4451N 09334W OB 2									S AMERICA - CHILE PUNTA ARENAS 72747 OCT 2003 4834N 09323W OB 3									
030	23870	2	-57.2	31.9	5	97	97	12	030	23744	5	-58.3						030	23487	2	-55.2			4	90	245	29
050	20670	1	-61.0	30.6	3	78	114	5	050	20531	4	-58.3	29.6	5	79	255	13	050	20235	2	-54.4			4	89	257	29
100	16452	1	-68.5		5	82	251	14	100	16184	4	-59.8	28.3	5	94	269	26	100	15785	1	-55.9			3	93	268	31
150	13990	1	-63.0	24.0	2	90	260	26	150	13629	3	-56.2	26.2	5	92	275	30	150	13200	1	-54.9	30.4	4	91	273	28	
200	12198	1	-57.0	16.7	1	78	263	24	200	11799	1	-55.6	20.8	4	91	277	32	200	11363	1	-55.3	28.6	3	85	269	26	
300	9532	1	-38.3	17.3	1	75	261	20	300	9180	1	-45.7	12.2	4	85	276	34	300	8755	0	-52.0	21.2	1	77	264	24	
500	5806	1	-10.3	26.1	2	73	265	12	500	5587	1	-19.9	12.9	3	84	277	24	500	5292	0	-28.9	15.0	2	78	269	16	
700	3136	1	5.3		2	42	262	4	700	3016	1	-4.8	15.5	4	81	282	14	700		0	-11.9	11.8	2	83	266	15	
850	1534	1	8.9	8.2	3	22	309	2	850	1467	1	1.7	7.1	3	77	302	8	850	1286	0	-2.9	7.4	2	75	273	12	
1014	* 69		20.5	7.0					1007	* 90		7.0	.8					993	* 43		3.1	5.8					

UPPER AIR

OCTOBER 2003

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
S AMERICA - ARGENTINA RESISTENCIA AERO. 72764 OCT 2003 4646N 10045W OB 3									S AMERICA - ARGENTINA CORDOBA AERO 72649 OCT 2003 4451N 09334W OB 2									S AMERICA - ARGENTINA EZEIZA AERO 72747 OCT 2003 4834N 09323W OB 3									
030	23824								030	23788	5	-59.5	30.4	5	6	43	1	030	23786	3	-59.7			5	18	305	3
050	20656								050	20604	0	-62.1	29.0	0	24	244	3	050	20593	1	-61.4			5	62	270	8
100	16486								100	16400	0	-68.4	23.6	0	95	269	22	100	16343	0	-64.5			6	93	270	21
150	14042	7	-63.1						150	13934	0	-58.0	26.6	0	90	276	27	150	13850	0	-61.0			7	82	280	30
200	12234	1	-56.2		8	84	275	26	200	12133	0	-57.1	17.0	0	84	276	27	200	12047	0	-57.5			9	95	295	39
300	9559	1	-37.8	13.5	4	79	275	19	300	9487	0	-40.5	14.9	0	83	276	20	300	9410	0	-41.9	14.8		9	93	280	30
500	5824	0	-9.6	18.9	0	73	269	9	500	5792	0	-11.7	21.1	0	90	271	13	500	5722	0	-14.1	22.6		8	91	275	20
700	3142	0	7.3	15.0	0	37	317	3	700	3120	0	6.6	18.4	0	55	311	5	700	3106	0	2.7	20.8		8	67	265	8
850	1514	0	16.9	14.1	0	41	9	4	850	1504	0	13.5	11.5	2	26	351	3	850	1510	0	11.0	19.2		9	30	255	3
1007	* 52		20.8	4.8					960	* 474		16.8	8.0					1015	* 20		16.3	4.9					
S AMERICA - ARGENTINA SANTA ROSA AERO 72764 OCT 2003 4646N 10045W OB 3									S AMERICA - UK FALKLAND ISLANDS MOUNT PLEASANT AIRPORT 72649 OCT 2003 4451N 09334W OB 2									ANTARCTICA - UNITED KINGDOM (ANTARCTIC) HALLEY 72747 OCT 2003 4834N 09323W OB 3									
030	23805	7	-58.5		9	11	175	2	030	23471	1	-52.8	32.8	1	87	255	28	030	21920	1	-57.7	22.4	2	91	248	21	
050	20590	2	-60.5		4	59	257	8	050	20232	1	-54.2	31.8	1	91	261	30	050	18797	0	-71.5	15.1	1	90	248	16	
100	16318	2	-60.7		3	98	271	21	100	15837	0	-57.3	22.9	0	93	271	32	100	14791	0	-77.1	11.1	1	82	248	11	
150	13799	1	-58.9		2	94	272	31	150	13261	0	-56.5	20.8	0	94	273	31	150	12451	0	-74.5	10.1	1	69	246	8	
200	11992	1	-57.3		4	88	280	32	200	11434	0	-56.5	16.2	0	89	274	28	200	10769	0	-72.0	9.3	1	55	246	7	
300	9359	1	-42.6	13.6	3	90	273	30	300	8851	0	-51.5	9.9	0	83	276	25	300	8327	0	-61.0	8.8	1	38	237	5	
500	5713	1	-15.9	18.2	1	93	277	21	500	5357	0	-26.5	10.7	0	85	275	18	500	4978	0	-36.6	11.9	0	9	299	1	
700	3088	0	1.6	20.5	0	80	276	10	700	2844	0	-10.1	11.9	0	80	268	12	700	2568	0	-21.2	10.7	0	41	29	3	
850	1495	0	11.1	16.5	0	42	244	5	850	1321	0	-1.2	8.7	0	80	266	10	850	1122	0	-17.1	8.3	0	71	51	7	
992	* 191		13.6	4.6					992	* 73		5.5	3.8					983	* 30		-20.3	2.3					
ANTARCTICA - USSR (ANTARCTIC) MIRNYJ 72764 OCT 2003 4646N 10045W OB 3									ANTARCTICA - GERMANY (ANTARCTIC) NEUMAYER 72649 OCT 2003 4451N 09334W OB 2									ANTARCTICA - JAPAN (ANTARCTIC) SYOWA 72747 OCT 2003 4834N 09323W OB 3									
030	22647	7	-39.4	9.4	8	96	298	52	030	21834	2	-60.4	22.7	3	95	254	26	030	21812	0	-59.0			0	90	272	23
050	19274	6	-56.4	6.1	6	96	290	41	050	18754	2	-72.9	16.4	3	95	253	23	050	18727	0	-73.1			0	92	267	20
100	15023	3	-66.2	4.5	3	93	285	23	100	14758	2	-77.3	12.7	2	90	253	16	100	14735	0	-77.2			0	88	260	15
150	12563	3	-65.0	4.4	3	91	282	17	150	12418	2	-74.2	11.8	2	80	249	12	150	12390	0	-73.7			0	84	258	12
200	10804	3	-63.6	4.3	3	84	281	12	200	10742	0	-71.2	10.4	1	65	249	9	200	10699	0	-71.2			0	66	261	9
300	8293	3	-58.1	4.3	3	57	289	7	300	8300	0	-61.1	8.7	2	38	244	5	300	8261	0	-61.8			0	37	261	5
500	4940	3	-38.5	5.2	3	38	355	3	500	4957	0	-37.3	10.1	1	14	182	1	500	4934	0	-38.8			0	27	302	3
700	2551	3	-23.4	4.9	3	55	58	5	700	2558	0	-23.0	12.5	0	53	85	5	700	2554	0	-24.7	5.7		0	27	25	2
850	1105	3	-17.9	4.4	4	94	82	10	850	1120	0	-18.1	8.5	0	79	71	10	850	1125	0	-19.0	3.9	0	72	37	7	
979	* 30		-14.9	3.6					982	* 50		-16.6	3.1					984	* 21		-14.4	4.7					

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
ANTARCTICA - AUSTRALIA (ANTARCTIC) MAWSON 72764 OCT 2003 4646N 10045W OB 3									ANTARCTICA - AUSTRALIA (ANTARCTIC) DAVIS 72649 OCT 2003 4451N 09334W OB 2									ANTARCTICA - AUSTRALIA (ANTARCTIC) CASEY 72747 OCT 2003 4834N 09323W OB 3								
030	21980	4	-52.3	31.0	6	96	288	34	030	22057	2	-49.5	32.7	5	96	297	38	030	22803	1	-34.8	37.2	4	96	299	63
050	18813	4	-68.9	22.0	5	97	282	28	050	18849	1	-66.4	25.7	4	96	292	27	050	19355	0	-49.8	30.8	2	97	296	55
100	14749	4	-74.6	17.2	5	94	276	19	100	14762	0	-74.1	19.7	4	97	285	16	100	15005	0	-65.0	24.3	3	97	291	32
150	12381	3	-72.2	15.2	5	89	269	13	150	12387	0	-71.6	17.4	5	94	283	11	150	12546	0	-65.8	20.8	4	95	291	23
200	10678	3	-69.8	13.2	4	82	267	11	200	10682	0	-69.7	15.1	5	77	282	7	200	10796	0	-65.1	16.6	2	91	293	17
300	8230	3	-61.8	10.6	4	59	249	8	300	8228	0	-61.2	12.8	4	29	291	3	300	8308	0	-59.7	13.0	2	66	303	10
500	4906	3	-39.3	11.1	3	48	230	4	500	4904	0	-39.8	13.4	1	13	37	1	500	4958	0	-37.7	10.0	2	37	294	4
700	2532	3	-25.7	10.8	3	40	148	2	700	2531	0	-24.4	11.2	2	43	88	3	700	2562	0	-22.4	10.9	2	5	296	1
850	1117	2	-20.8	8.1	2	79	95	6	850	1102	0	-18.9	6.3	2	82	49	7	850	1117	0	-15.9	8.3	1	41	42	3
9999	* 16								9999	* 13								9999	* 42							
SW PACIFIC - MALAYSIA (PENIN. MALAYSIA) PENANG/BAYAN LEPAS 48601 OCT 2003 0518N 10016E OB 3									SW PACIFIC - MALAYSIA (PENIN. MALAYSIA) KOTA BHARU 48615 OCT 2003 0610N 10217E OB 3									SW PACIFIC - SINGAPORE SINGAPORE/CHANGI AIRPORT 48698 OCT 2003 0122N 10359E OB 3								
030	23688	19	-60.8	28.3	9	99	89	32	030	23727	2	-59.2	28.9	2	99	90	30	030	23681	2	-60.1	29.0	2		90	31
050	20586	14	-69.4	18.5	9	97	89	14	050	20597	2	-68.3	20.2	2	96	92	13	050	20571	2	-70.3	18.9	2	96	94	13
100	16572	2	-79.6	12.4	2	64	93	8	100	16580	0	-79.8	13.6	0	79	95	10	100	16557	0	-79.0	11.3	0	28	81	3
150	14227	1	-68.6	10.7	1	97	80	21	150	14238	0	-68.4	12.0	0	97	80	19	150	14211	0	-68.9	10.1	0	97	71	19
200	12442	1	-53.4	9.4	1	93	79	14	200	12452	0	-53.1	10.9	0	92	78	12	200	12428	0	-53.6	9.2	0	91	68	13
300	9694	1	-30.1	7.0	1	84	83	6	300	9701	0	-29.8	9.3	0	81	83	7	300	9684	0	-30.4	8.3	0	85	82	7
500	5861	1	-5.1	4.2	1	6	360	1	500	5866	0	-5.1	5.1	0	28	118	2	500	5855	0	-5.4	5.0	0	17	177	1
700	3142	0	9.4	4.9	0	62	281	5	700	3146	0	9.6	5.1	0	49	270	4	700	3138	0	9.2	5.9	0	76	259	5
850	1504	0	17.7	4.8	0	63	288	5	850	1506	0	18.1	5.2	0	64	271	5	850	1500	0	18.1	5.0	0	66	240	5
9999	* 4								9999	* 5								1008	* 16		27.3	3.0				
SW PACIFIC - USA (PACIFIC OCEAN NORTH) HILO/GEN. LYMAN, HAWAII, 91285 OCT 2003 1943N 15504W OB 2									SW PACIFIC - NEW CALEDONIA NOUMEA (NILE-CALEDONIE) 91592 OCT 2003 2216S 16627E OB /									SW PACIFIC - TUVALU (NEW ZEALAND) FUNAFUTI 91643 OCT 2003 0831S 17913E OB 3								
030	23838	4	-58.1	11.1	4	98	86	13	030	23810	2	-58.1		7	96	77	14	030	23720	4	-59.5					
050	20664	2	-64.7	8.5	2	95	91	8	050	20630	1	-63.3		7	85	80	6	050	20610							
100	16573	2	-75.4	7.1	2	54	283	3	100	16484	0	-74.6		6	98	271	23	100	16590							
150	14180	2	-66.0	8.2	2	69	276	11	150	14092	0	-66.0		4	99	272	44	150	14250	0	-67.8					
200	12390	2	-54.4	9.5	2	72	273	13	200	12296	0	-53.2		4	97	273	48	200	12450	0	-53.1					
300	9671	1	-33.7	11.5	1	47	273	5	300	9564	0	-33.3	21.3	4	95	272	42	300	9711	0	-30.3					
500	5876	0	-5.6	24.9	0	45	119	3	500	5801	0	-9.3	26.7	4	95	275	20	500	5879	0	-5	20.0				
700	3160	0	9.3	25.3	0	69	94	4	700	3124	0	5.4	20.9	5	89	266	9	700	3158	0	10.4	.9				
850	1535	0	14.7	3.4	0	71	112	4	850	1519	0	11.7	5.3	5	44	299	2	850	1519	0	18.2	11.3				
1014	* 11		22.0	3.7					1009	* 72		24.2	7.0					1010	* 2		29.0	25.3				

UPPER AIR

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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
SW PACIFIC - FIJI NANDI 91680 OCT 2003 1745S 17727E OB 3									SW PACIFIC - SAMOA (USA) PAGO PAGO/INT. AIRPORT 91765 OCT 2003 1420S 17043W OB 2									SW PACIFIC - FRENCH POLY. (MARQUESAS) ATUONA 91925 OCT 2003 0948S 13902W OB 3										
030	23875	20	-57.6						030	23774	4	-57.9	19.6	4	98	95	16	030	23725	4	-58.9			9			87	24
050	20680	8	-62.6						050	20614	4	-65.9	11.9	4	97	86	8	050	20590	1	-68.0			1	95		88	10
100	16575	1	-78.0	17.8	2	94	265	20	100	16561	0	-81.0	7.1	0	89	270	10	100	16553	1	-79.8			1	69		291	6
150	14208	0	-66.6	18.9	1	96	264	27	150	14213	0	-67.5	9.2	0	93	253	16	150	14196	0	-67.0			0	91		268	15
200	12413	0	-52.9	21.1	0	95	267	28	200	12423	0	-53.7	11.7	0	90	251	17	200	12407	0	-53.2			0	86		271	15
300	9670	0	-31.0	25.2	0	94	270	24	300	9687	0	-31.3	15.2	0	90	249	14	300	9670	0	-32.3	23.8	0	77	269		9	
500	5860	0	-6.3	25.2	0	91	279	14	500	5872	0	-5.9	14.1	0	66	251	6	500	5862	0	-4.5	33.7	0	8	339		1	
700	3145	0	10.0	29.9	1	79	283	7	700	3156	0	9.6	9.2	0	25	312	2	700	3137	0	10.4	27.4	0	56	95		3	
850	1515	0	15.4	8.0	0	15	83	1	850	1517	0	17.0	3.5	0	73	91	4	850	1503	1	16.0	4.5	1	83	85		5	
1012	* 25		28.5	9.8					1011	* 3		26.3	3.3					1005	* 52		29.3	7.5						
SW PACIFIC - FRENCH POLY. (SOCIETY IS) TAHITI-FAAA 91938 OCT 2003 1733S 14937W OB 2									SW PACIFIC - FRENCH POLY. (TUAMOTU IS) RIKITEA 91948 OCT 2003 2308S 13458W OB									SW PACIFIC - FRENCH POLY. (AUSTRAL IS) TUBUAI 91954 OCT 2003 2321S 14929W OB										
030	23768	7	-59.3		8	96	84	11	030	23807	6	-58.2		6	96	85	13	030	23819	3	-57.7		4	96	82	14		
050	20606	3	-64.6		5	82	85	5	050	20627	3	-63.0		3	93	83	7	050	20635	0	-62.9		0	94	88	8		
100	16511	2	-76.9		2	87	273	13	100	16472	0	-72.4		0	91	272	15	100	16463	0	-71.2		0	91	271	15		
150	14137	1	-66.8		2	91	260	25	150	14055	0	-64.6		0	93	269	27	150	14035	0	-64.4		0	93	265	32		
200	12350	1	-54.1		1	85	255	24	200	12272	0	-56.1		0	88	273	27	200	12243	0	-55.0		0	86	265	32		
300	9631	1	-33.6	16.8	1	83	262	18	300	9579	0	-36.0	14.5	0	88	278	20	300	9547	0	-36.3	14.5	0	84	270	24		
500	5841	0	-6.7	21.2	1	75	266	9	500	5826	0	-8.3	20.7	0	77	295	12	500	5804	0	-9.6	22.4	0	80	271	12		
700	3139	0	8.5	19.2	1	58	290	4	700	3134	0	7.0	20.8	0	56	305	5	700	3125	0	6.5	26.3	0	75	271	8		
850	1511	1	15.7	5.0	2	50	25	2	850	1518	0	12.9	3.9	0	44	337	4	850	1512	0	12.1	6.9	0	36	264	3		
1012	* 2		28.2	7.0					1005	* 89		23.8	4.0					1015	* 3		24.1	6.0						
SW PACIFIC - FRENCH POLY. (AUSTRAL IS) RAPA 91958 OCT 2003 2737S 14420W OB 3									SW PACIFIC - NEW ZEALAND WHENUAPAI 93112 OCT 2003 3678S 17463E OB 1									SW PACIFIC - NEW ZEALAND PARAPARAUMU AERODROME 93417 OCT 2003 4054S 17459E OB 1										
030	23876	10	-56.5						030	24036	1	-51.5		1	99	85	18	030										
050	20665	9	-60.2		9		91	10	050	20740	0	-53.7		1	91	75	8	050	20758	9	-51.3		9	81	66	5		
100	16421	9	-67.3		9	89	269	13	100	16308	0	-55.3		2	84	282	8	100	16270	1	-52.4		0	90	291	9		
150	13948	9	-61.5		9	92	267	24	150	13708	0	-52.6		1	92	277	17	150	13641	0	-51.0		0	90	283	13		
200	12137	8	-54.8		8	85	268	27	200	11848	0	-52.2		1	90	277	22	200	11771	0	-52.0		0	81	278	15		
300	9465	1	-38.8		2	82	283	24	300	9209	0	-45.9		1	73	274	18	300	9145	0	-47.3		0	60	267	12		
500	5763	0	-11.6	19.2	0	79	281	12	500	5619	0	-19.9	17.2	2	71	278	11	500	5576	0	-21.2	14.4	2	63	272	9		
700	3104	0	4.2	19.5	0	57	283	6	700	3038	0	-2.8	17.2	3	66	275	7	700	3006	0	-4.4	15.1	2	61	283	7		
850	1503	0	10.1	7.2	0	25	309	2	850	1477	0	4.3	9.1	4	51	265	5	850	1454	0	2.6	5.9	2	46	306	5		
1015	* 2		20.7	5.2					1013	* 27		15.4	5.6					1014	* 12		13.4	5.0						

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
SW PACIFIC - NEW ZEALAND INVERCARGILL AERODROME 93844 OCT 2003 4625S 16819W OB 1									SW PACIFIC - NEW ZEALAND CHATHAM ISLAND 93986 OCT 2003 4357S 17634W OB 1									SW PACIFIC - NEW ZEALAND KERMADEC IS. 93997 OCT 2003 2915S 17755W OB 1								
030	24151	13	-46.8						030	24145	5	-48.2		7	96	81	11	030	23958	13	-55.0					
050	20772	3	-47.5		2	64	336	4	050	20787	1	-49.4		4	68	59	4	050	20723	4	-58.5		9	94	82	8
100	16206	1	-49.0		1	91	283	11	100	16263	1	-51.0		4	84	293	7	100	16427	0	-63.4		5	96	274	15
150	13550	1	-49.5		1	89	278	14	150	13616	1	-50.8		3	88	286	12	150	13917	0	-58.9		4	95	270	34
200	11670	0	-51.7		0	77	280	16	200	11743	0	-51.4		3	80	287	13	200	12088	0	-52.4		3	94	272	43
300	9045	0	-48.7		0	65	278	17	300	9116	0	-47.7		2	57	290	14	300	9404	0	-40.2		3	90	273	30
500	5504	0	-23.4	13.9	1	68	278	13	500	5551	0	-21.7	10.9	1	62	281	10	500	5728	0	-14.1	23.4	4	84	271	15
700	2958	0	-7.0	11.7	0	80	273	9	700	2987	0	-5.0	15.0	1	56	275	8	700	3098	0	1.1	22.9	4	56	269	6
850	1419	0	.8	6.5	1	65	284	7	850	1436	0	2.8	6.4	1	50	268	6	850	1516	0	6.9	9.5	6	17	268	2
1011	* 4		11.1	5.5					1007	* 48		11.5	2.8					1013	* 49		18.7	6.0				
SW PACIFIC - AUSTRALIA DARWIN AIRPORT 94120 OCT 2003 1225S 13053E OB /									SW PACIFIC - AUSTRALIA GOVE AIRPORT 94150 OCT 2003 1217S 13649E OB /									SW PACIFIC - AUSTRALIA BROOME AIRPORT 94203 OCT 2003 1757S 12214E OB /								
030	23760	0	-59.2	31.1	1	99	87	22	030	23762	0	-59.4	31.0	0	98	85	22	030	23785	0	-59.2	31.1	0	96	88	12
050	20610	0	-65.9	28.9	1	96	95	11	050	20613	0	-65.8	26.3	0	94	94	10	050	20623	0	-64.3	29.0	0	86	101	7
100	16576	0	-81.2	14.2	1	36	231	3	100	16578	0	-81.3	14.3	0	39	237	4	100	16555	0	-79.7	16.7	0	91	261	12
150	14232	0	-67.7	14.5	1	47	300	6	150	14236	0	-68.0	14.4	0	63	304	7	150	14197	0	-67.1	18.6	0	89	279	22
200	12444	0	-53.4	16.5	1	62	300	7	200	12447	0	-53.2	17.1	0	65	312	7	200	12405	0	-53.1	20.8	0	94	273	23
300	9700	0	-30.4	29.4	1	63	269	7	300	9702	0	-30.3	29.5	0	56	279	6	300	9665	0	-31.5	28.4	0	95	265	21
500	5874	0	-5.4	29.2	1	34	270	3	500	5874	0	-5.0	31.0	1	33	259	3	500	5855	0	-6.5	35.9	0	89	266	10
700	3166	0	8.3	13.1	4	64	113	6	700	3163	0	8.2	13.6	0	72	133	6	700	3160	0	7.6	18.5	0	74	353	7
850	1529	0	19.3	13.5	2	74	94	4	850	1526	0	19.9	18.1	0	92	103	8	850	1525	0	20.5	23.9	0	18	318	2
9999	* 31								9999	* 54								9999	* 7							
SW PACIFIC - AUSTRALIA TOWNSVILLE AERO 94294 OCT 2003 1915S 14645E OB /									SW PACIFIC - AUSTRALIA WILLIS ISLAND 94299 OCT 2003 1618S 14959E OB /									SW PACIFIC - AUSTRALIA PORT HEDLAND PARDOO 94312 OCT 2003 2022S 11838E OB /								
030	23826	1	-57.8	31.5	3	98	86	13	030	23760	2	-59.3	31.1	2	98	88	14	030	23799	1	-58.3	30.7	2	94	93	13
050	20650	0	-63.7	29.8	2	88	90	6	050	20607	1	-65.3	29.2	1	91	98	8	050	20630	1	-63.4	26.7	2	81	113	6
100	16543	0	-77.6	15.9	2	94	268	19	100	16543	0	-80.9	14.5	0	90	269	13	100	16543	1	-77.6	16.6	1	95	269	16
150	14177	0	-66.6	17.5	2	95	270	31	150	14199	0	-67.7	15.8	0	95	272	21	150	14171	1	-66.3	18.4	1	94	274	29
200	12382	0	-53.0	19.4	2	94	277	34	200	12410	0	-53.5	18.0	0	93	277	22	200	12375	0	-53.0	19.3	1	92	274	31
300	9640	0	-31.3	27.7	2	94	273	31	300	9671	0	-31.4	27.1	0	90	270	20	300	9639	0	-32.0	23.7	0	95	268	27
500	5836	0	-7.7	32.5	2	89	262	14	500	5858	0	-5.3	32.5	0	89	270	12	500	5842	0	-7.3	32.7	0	90	270	14
700	3154	0	6.9	16.6	2	73	230	7	700	3153	0	8.0	19.4	0	51	222	4	700	3147	0	7.9	29.5	0	71	327	7
850	1529	0	16.3	12.0	2	37	19	2	850	1525	0	16.6	13.7	2	74	127	5	850	1517	0	18.5	21.6	0	51	339	4
9999	* 9								9999	* 6								9999	* 9							

UPPER AIR

OCTOBER 2003

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
SW PACIFIC - AUSTRALIA ALICE SPRINGS AERO 94326 OCT 2003 2348S 13353E OB /									SW PACIFIC - AUSTRALIA MT ISA AERO 94332 OCT 2003 2041S 13929E OB /									SW PACIFIC - AUSTRALIA GERALDTON AIRPORT 94403 OCT 2003 2848S 11442E OB /									
030	23851	2	-57.8	31.3	2	97	90	14	030	23805	1	-58.7	31.2	1	95	87	13	030	23853	2	-56.8	31.5	5	99	88	15	
050	20659	1	-62.2	30.0	1	89	85	9	050	20634	1	-63.9	29.5	1	78	96	6	050	20650	0	-61.2	30.3	3	89	99	8	
100	16493	1	-72.2	21.0	1	98	264	23	100	16525	0	-76.7	17.9	1	98	270	20	100	16421	0	-66.4	27.1	0	97	266	20	
150	14077	1	-64.6	21.5	1	99	266	41	150	14149	0	-66.4	19.6	1	97	270	34	150	13943	0	-61.3	26.1	0	96	270	40	
200	12276	0	-52.9	22.8	0	97	269	45	200	12352	0	-52.9	22.5	0	96	274	37	200	12123	0	-52.2	27.7	0	96	272	47	
300	9552	0	-34.2	23.3	0	97	265	39	300	9615	0	-32.2	27.4	0	95	267	33	300	9424	0	-38.6	22.5	0	95	271	33	
500	5806	0	-11.4	29.1	0	92	262	18	500	5830	0	-9.5	28.5	0	94	255	16	500	5739	0	-14.1	31.7	0	81	265	13	
700	3145	0	6.2	24.6	0	83	264	10	700	3158	0	7.0	24.2	1	79	257	7	700	3104	0	2.8	34.1	0	68	271	7	
850	1528	0	14.6	18.4	2	12	190	1	850	1531	0	18.2	22.6	1	36	297	3	850	1513	0	9.5	14.2	1	48	206	3	
9999	* 546								9999	* 340									9999	* 33							
SW PACIFIC - AUSTRALIA MEEKATHARRA AIRPORT 94430 OCT 2003 2637S 11833E OB 2									SW PACIFIC - AUSTRALIA GILES 94461 OCT 2003 2502S 12817E OB /									SW PACIFIC - AUSTRALIA PERTH AIRPORT 94610 OCT 2003 3156S 11558E OB /									
030	23839	1	-57.4	29.8	2	97	92	16	030	23838	1	-58.0	29.7	2	97	88	15	030	23880	1	-55.7	31.8	1	95	87	14	
050	20644	1	-61.9	27.7	2	92	102	9	050	20648	1	-61.7	28.5	3	95	99	10	050	20655	1	-59.3	30.9	1	87	102	7	
100	16454	1	-69.9	20.3	2	97	266	22	100	16473	0	-71.6	19.7	0	96	263	22	100	16358	0	-62.9	28.5	0	93	262	18	
150	14013	1	-63.4	20.9	2	97	269	44	150	14049	0	-64.2	20.4	0	96	267	40	150	13840	0	-58.3	28.0	0	97	270	33	
200	12204	1	-52.9	21.7	2	95	270	49	200	12244	0	-53.2	20.2	0	95	266	44	200	12010	0	-53.0	25.5	0	95	267	36	
300	9490	1	-36.2	22.1	1	93	274	38	300	9526	0	-35.0	20.7	2	96	265	39	300	9342	0	-41.6	21.5	0	87	264	24	
500	5770	0	-12.6	27.8	0	91	276	18	500	5794	0	-11.8	27.0	0	91	265	18	500	5700	0	-16.5	22.6	0	86	264	12	
700	3120	0	4.4	22.1	0	76	285	8	700	3139	0	5.4	22.4	0	75	273	10	700	3085	0	.4	25.1	0	69	263	6	
850	1512	0	13.9	17.3	0	13	42	1	850	1523	0	15.9	21.7	0	13	301	1	850	1508	0	7.0	10.0	0	29	232	2	
9999	* 517								9999	* 598									9999	* 31							
SW PACIFIC - AUSTRALIA EUCLA 94647 OCT 2003 3141S 12853E OB									SW PACIFIC - AUSTRALIA COBAR 94711 OCT 2003 3129S 14550E OB /									SW PACIFIC - AUSTRALIA WILLIAMTOWN AERODROME 94776 OCT 2003 3248S 15150E OB /									
030	23909	9	-55.7						030	23915	9	-55.3	31.0						030	23940	5	-54.0	32.6	5	99	80	17
050	20670	7	-58.5	26.5					050	20676	5	-57.4	30.1						050	20685	2	-56.5	31.7	2	88	75	7
100	16357	2	-62.2	23.7	9	95	261	20	100	16341	1	-60.8	28.6	3	95	270	18	100	16319	1	-59.0	31.0	1	94	274	15	
150	13833	2	-57.8	23.8					150	13798	0	-56.8	29.1	2	97	266	34	150	13757	0	-54.8	30.9	0	97	266	27	
200	12001	2	-53.4	21.5	9	98	263	47	200	11955	0	-52.6	25.8	2	96	265	38	200	11905	0	-52.4	27.5	0	94	270	32	
300	9337	2	-42.1	17.8	8	96	265	34	300	9304	0	-44.3	14.8	0	88	264	27	300	9259	0	-44.8	16.9	0	84	268	24	
500	5701	2	-16.4	19.9	6	87	267	16	500	5683	0	-17.0	16.0	0	86	268	16	500	5650	0	-18.3	18.6	0	87	264	14	
700	3086	2	.2	21.3	6	78	255	10	700	3075	0	-.7	17.2	0	79	271	10	700	3056	0	-2.3	12.8	0	84	270	10	
850	1509	2	7.3	11.2	6	58	229	5	850	1500	0	7.9	10.6	0	48	284	5	850	1489	0	6.6	7.3	0	58	267	5	
9999	* 102								9999	* 264									9999	* 8							

UPPER AIR

OCTOBER 2003

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
SW PACIFIC - AUSTRALIA ALBANY AIRPORT 94802 OCT 2003 3456S 11748E OB /									SW PACIFIC - AUSTRALIA MOUNT GAMBIER AERO 94821 OCT 2003 3744S 14047E OB /									SW PACIFIC - AUSTRALIA MELBOURNE AIRPORT 94866 OCT 2003 3740S 14451E OB								
030	23937	8	-54.2	32.5	8	98	81	13	030	23982	3	-51.8	33.3	3	99	76	14	030	24042	5	-50.5	31.9	5	94	75	14
050	20682	5	-56.7	31.8	5	64	96	4	050	20685	2	-53.3	32.8	2	74	72	4	050	20731	4	-52.5	31.5	4	76	78	4
100	16319	1	-59.5	30.9	1	91	261	16	100	16243	1	-54.9	31.6	1	91	267	12	100	16274	0	-53.9	30.1	1	89	275	12
150	13765	0	-56.5	31.0	0	96	266	27	150	13642	1	-53.0	31.5	1	96	267	21	150	13663	0	-52.0	29.9	1	92	268	19
200	11927	0	-53.9	24.8	0	95	261	29	200	11784	1	-52.2	29.0	1	89	265	21	200	11798	0	-52.0	26.2	1	88	270	21
300	9285	0	-44.2	16.5	0	85	256	20	300	9147	0	-46.8	18.4	0	66	264	16	300	9164	0	-46.4	15.2	1	63	278	16
500	5668	0	-17.9	17.4	0	82	263	13	500	5578	0	-20.9	16.4	0	68	261	11	500	5583	0	-20.4	14.4	0	68	268	12
700	3067	0	-1.3	16.6	0	67	249	7	700	3009	0	-4.4	19.0	0	58	254	7	700	3011	0	-4.5	14.4	3	58	268	7
850	1501	0	4.7	7.3	0	40	241	4	850	1464	0	1.1	5.6	0	47	245	5	850	1462	0	2.5	5.1	2	38	264	4
9999	* 69								9999	* 69								9999	* 132							
SW PACIFIC - AUSTRALIA WAGGA AIRPORT 94910 OCT 2003 3510S 14727E OB /									SW PACIFIC - AUSTRALIA HOBART AIRPORT 94975 OCT 2003 4250S 14729E OB /									SW PACIFIC - AUSTRALIA (ADDITIONAL IS.) LORD HOWE ISLAND AERO 94995 OCT 2003 3132S 15904E OB /								
030	23971	4	-52.9	32.8	4	98	79	16	030	24064	2	-48.4	34.0	2	97	69	10	030	23962	0	-53.6	32.3	1	99	80	18
050	20695	3	-54.5	32.3	3	92	83	6	050	20716	1	-49.7	33.6	1	64	27	4	050	20703	0	-56.6	30.8	0	96	83	8
100	16289	0	-56.5	30.9	0	92	269	12	100	16190	1	-50.7	32.8	1	85	283	10	100	16350	0	-59.4	29.9	0	94	272	15
150	13703	0	-53.8	31.2	0	94	267	22	150	13549	1	-50.7	31.7	1	80	276	16	150	13796	0	-55.6	30.9	0	97	269	29
200	11846	0	-52.2	26.2	0	91	268	26	200	11683	0	-52.1	24.9	0	80	274	17	200	11948	0	-52.3	27.5	1	96	271	35
300	9214	0	-46.2	14.7	0	79	271	20	300	9057	0	-47.7	15.5	0	70	271	18	300	9297	0	-43.9	15.6	0	88	273	25
500	5621	0	-19.1	17.6	0	75	270	13	500	5508	0	-22.7	15.0	0	73	275	13	500	5670	0	-17.1	20.2	1	83	277	14
700	3034	0	-3.1	16.6	0	68	273	9	700	2960	0	-7.2	13.5	0	70	265	9	700	3064	0	-.7	18.2	0	72	275	8
850	1475	0	5.1	9.9	0	54	284	5	850	1423	0	1.1	7.6	0	74	260	8	850	1490	0	6.7	5.5	0	57	292	5
9999	* 213								9999	* 27								9999	* 6							
SW PACIFIC - AUSTRALIA (ADDITIONAL IS.) NORFOLK ISLAND AERO 94996 OCT 2003 2902S 16756E OB /									SW PACIFIC - AUSTRALIA (ADDITIONAL IS.) MACQUARIE ISLAND 94998 OCT 2003 5429S 15856E OB 3									SW PACIFIC - BRUNEI DARUSSALAM BRUNEI AIRPORT 96315 OCT 2003 0456N 11456E OB 3								
030	23914	1	-55.3	31.8					030	24131	1	-40.6	36.3	4	92	298	14	030								
050	20688	0	-59.0	30.5					050	20663	0	-42.3	35.7	2	96	290	19	050								
100	16395	0	-63.3	29.1					100	16001	0	-44.7	34.7	1	96	285	24	100	16569	11	-79.7	11.5	9	80	89	10
150	13883	0	-58.5	29.2					150	13307	0	-47.3	33.9	2	92	284	26	150	14228	1	-68.4	10.2	4	95	77	18
200	12051	0	-52.5	27.8					200	11413	0	-49.5	28.8	3	85	284	26	200	12441	1	-53.2	9.6	4	91	64	12
300	9371	0	-41.1	19.5					300	8775	0	-48.9	19.5	2	73	286	26	300	9692	0	-30.1	8.7	3	88	80	7
500	5715	0	-15.6	22.3					500	5277	0	-28.0	11.9	1	74	292	21	500	5858	0	-5.2	4.7	4	43	108	3
700	3094	0	.9	24.7					700	2786	0	-12.6	13.0	1	74	290	16	700	3139	0	9.3	4.7	4	45	260	3
850	1513	0	8.2	7.0					850	1279	0	-4.3	6.0	1	67	294	12	850	1500	0	17.9	4.3	3	65	253	4
9999	* 109								9999	* 6								1005	* 15		26.3	2.3				

UPPER AIR LATE REPORTS

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND						
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
hPa	gpm		° C	° C		%	°	mps	hPa	gpm		° C	° C		%	°	mps	hPa	gpm		° C	° C		%	°	mps	
ASIA - INDIA NEW DELHI/SAFDARJUNG 42182 SEP 2003 2835N 07712E OB 3																											
030																											
050																											
100	16681	5	-73.9	10.0	5	21	204	2																			
150	14289	2	-63.2	11.7	1	73	240	8																			
200	12435	1	-49.2	14.7		70	245	8																			
300	9672		-27.5	15.2		75	255	7																			
500	5804		-3.8	20.9		52	245	3																			
700	3103			9.0		64	345	4																			
850	1429			6.2		65	352	3																			
975	* 216		27.9	4.8																							

STATION LIST RECENT DATA

06030	C	AALBORG	DENMARK & FAROE IS.	42475	C	ALLAHABAD/BAMHRAULI	INDIA
04220	C	AASIAAT (EGEDESMINDE)	GREENLAND	72517	C	ALLEN TOWN/A.-BETHLEHEM-.,PA.	USA
40831	C	ABADAN	IRAN, ISLAMIC REP	36870	C	ALMATY	KAZAKHSTAN
47409	C	ABASHIRI	JAPAN	08487	C	ALMERIA/AEROPUERTO	SPAIN
07005	C	ABBEVILLE	FRANCE	44277	C	ALTAI	MONGOLIA
03091	C	ABERDEEN/DYCEAIRPORT	U KINGDOM	51076	C	ALTAY	CHINA
03502	C	ABERPORTH	U KINGDOM	97240	C	AMPENAN/SELAPARANG	INDONESIA
41112	C	ABHA	SAUDI ARABIA	42071	C	AMRITSAR	INDIA
72266	C	ABILENE/MUN.,TX.	USA	25563	C	ANADYR'	RUSSIAN FEDERATION
41217	CT	ABU DHABI INTER. AIRPORT	U ARAB EMIRATES	70273	CT	ANCHORAGE/INT.	USA
62640	C	ABU HAMED	SUDAN	10291	C	ANGERMUENDE	GERMANY
62795	C	ABU NA'AMA	SUDAN	17130	CT	ANKARA/CENTRAL	TURKEY
76805	C	ACAPULCO,GRO.	MEXICO	60360	C	ANNABA	ALGERIA
80427	C	ACARIGUA	VENEZUELA	70398	C	ANNETTEISLAND	USA
63450	CT	ADDIS ABABA-BOLE	ETHIOPIA	17300	C	ANTALYA	TURKEY
60620	C	ADRAR	ALGERIA	67083	C	ANTANANARIVO/IVATO	MADAGASCAR
76644	C	AEROP.INTERNACIONALMERIDA,	MEXICO	85442	CT	ANTOFAGASTA	CHILE
87582	C	AEROPARQUEBS. AS. AERO	ARGENTINA	40718	C	ANZALI	IRAN, ISLAMIC REP
86246	C	AEROPUERTOINT GUARANI	PARAGUAY	47575	C	AOMORI	JAPAN
17190	C	AFYON	TURKEY	98232	C	APARRI	PHILIPPINES
61024	C	AGADEZ	NIGER	80084	C	APARTADO/LOSCEDROS	COLOMBIA
61974	C	AGALEGA	MAURITIUS	83096	C	ARACAJU	BRAZIL
42647	CT	AHMADABAD	INDIA	48462	C	ARANYAPRATHET	THAILAND
47602	C	AIKAWA	JAPAN	40357	C	ARAR	SAUDI ARABIA
07761	CT	AJACCIO	FRANCE	80099	C	ARAUCA/SANTIAGOPEREZ	COLOMBIA
31168	C	AJAN	RUSSIAN FEDERATION	83579	C	ARAXA	BRAZIL
47582	CT	AKITA	JAPAN	22550	CT	ARHANGEL'SK	RUSSIAN FEDERATION
42933	C	AKOLA	INDIA	85406	C	ARICA	CHILE
72521	C	AKRON/AKRON-CANTONREG., OH.	USA	10091	C	ARKONA	GERMANY
04063	C	AKUREYRI	ICELAND	10460	C	ARTERN	GERMANY
04082	C	AKURNES	ICELAND	86330	C	ARTIGAS	URUGUAY
40420	C	AL AHSA	SAUDI ARABIA	44288	C	ARVAIHEER	MONGOLIA
41055	C	AL BAHA	SAUDI ARABIA	47407	C	ASAHIKAWA	JAPAN
40373	C	AL QAYSUMAH	SAUDI ARABIA	72315	C	ASHEVILLE/MUN.,NC	USA
40361	C	AL-JOUF	SAUDI ARABIA	62414	CT	ASSWAN	EGYPT
08280	C	ALBACETE/LOSLANOS	SPAIN	34880	C	ASTRAHAN'	RUSSIAN FEDERATION
94802	CT	ALBANY AIRPORT	AUSTRALIA	86218	C	ASUNCION/AEROPUERTO	PARAGUAY
72365	C	ALBUQUERQUE/INT.,NM.	USA	65376	C	ATAKPAME	TOGO
31004	CT	ALDAN	RUSSIAN FEDERATION	62680	C	ATBARA	SUDAN
07139	C	ALENCON	FRANCE	17607	T	ATHALASSA	CYPRUS
40007	C	ALEPPO INT. AIRPORT	SYRIAN ARAB REP	16716	C	ATHINAI (AIRPORT)	GREECE
71082	T	ALERT UA, N.W.T.	CANADA	72219	C	ATLANTA/MUN.,GA.	USA
08359	C	ALICANTE	SPAIN	72407	C	ATLANTIC CITY, NJ.	USA
94326	CT	ALICE SPRINGS AERO	AUSTRALIA	91925	CT	ATUONA	FRENCH POLY.

STATION LIST RECENT DATA

72218	C	AUGUSTA/BUSHFIELD, GA.	USA	89055	CT	BASE MARAMBIO (CENTROMET. A	ARGENTINA
72254	C	AUSTIN/ROBERTMUELLER.,TX.	USA	88968	C	BASE ORCADAS	ARGENTINA
08330	C	BADAJOZ/TALAVERALA REAL	SPAIN	89066	C	BASE SAN MARTIN	ARGENTINA
30554	C	BAGDARIN	RUSSIAN FEDERATION	07790	CT	BASTIA	FRANCE
83980	C	BAGE	BRAZIL	44302	C	BAYAN-OVOO	MONGOLIA
71727	C	BAGOTVILLE,QUE.	CANADA	44275	C	BAYANBULAG	MONGOLIA
98328	C	BAGUIO	PHILIPPINES	44352	C	BAYANDELGER	MONGOLIA
87750	C	BAHIA BLANCA AERO	ARGENTINA	44287	C	BAYANHONGOR	MONGOLIA
86033	C	BAHIA NEGRA	PARAGUAY	60571	C	BECHAR	ALGERIA
41150	C	BAHRAIN (INT. AIRPORT)	BAHRAIN	72412	C	BECKLEY(RALEIGHCTY.MUN),WV.	USA
44265	C	BAITAG	MONGOLIA	54511	CT	BEIJING	CHINA
71926	CT	BAKER LAKE UA,N.W.T.	CANADA	67297	C	BEIRA	MOZAMBIQUE
07299	C	BALE-MILHOUSE	FRANCE	82191	C	BELEM	BRAZIL
35796	C	BALHASH	KAZAKHSTAN	82193	T	BELEM (AEROPORTO)	BRAZIL
96633	C	BALIKPAPAN/SEPINGGAN	INDONESIA	03917	C	BELFAST/ALDERGROVEAIRPORT	U KINGDOM
85874	C	BALMACEDA	CHILE	43198	C	BELGAUM/SAMBRA	INDIA
72406	C	BALTIMORE/BALTIMORE-WASHINGT	USA	78583	C	BELIZE/PHILLIPGOLDSTONINTL	BELIZE
61291	C	BAMAKO/SENOU	MALI	89050	C	BELLINGSHAUSEN	USSR
43295	C	BANGALORE	INDIA	03976	C	BELMULLET	IRELAND
64656	C	BANGASSOU	CENTRALAFRICAN REP	83587	C	BELO HORIZONTE	BRAZIL
48455	CT	BANGKOK	THAILAND	82246	C	BELTERRA	BRAZIL
64650	C	BANGUI	CENTRALAFRICAN REP	40180	C	BEN-GURIONINT. AIRPORT	ISRAEL
41685	C	BAR KHAN	PAKISTAN	60518	C	BENI-SAF	ALGERIA
82784	C	BARBALHA	BRAZIL	82410	C	BENJAMIN CONSTANT	BRAZIL
80419	C	BARCELONA	VENEZUELA	13274	C	BEOGRAD	YUGOSLAVIA
08181	C	BARCELONA/AEROPUERTO	SPAIN	13275	T	BEOGRAD/KOSUTNJAK	YUGOSLAVIA
87765	C	BARILOCHEAERO	ARGENTINA	64600	C	BERBERATI	CENTRALAFRICAN REP
80440	C	BARINAS	VENEZUELA	01317	C	BERGEN/FLORIDA	NORWAY
29838	C	BARNAUL	RUSSIAN FEDERATION	10385	C	BERLIN-SCHOENEFELD	GERMANY
80410	C	BARQUISIMETO	VENEZUELA	10384	C	BERLIN-TEMPELHOF	GERMANY
82571	C	BARRADO CORDA	BRAZIL	40179	T	BET DAGAN	ISRAEL
80091	C	BARRANCABERMEJA/YARIGUIES	COLOMBIA	70219	C	BETHEL/BETHELAIRPORT, AK.	USA
80028	C	BARRANQUILLA/ERNESTOCORTISSO	COLOMBIA	68461	CT	BETHLEHEM	SOUTH AFRICA
83236	C	BARREIRAS	BRAZIL	40100	CT	BEYROUTH(AEROPORT)	LEBANON
70026	CT	BARROW/W.POST W. ROGERS	USA	42971	CT	BHUBANESWAR	INDIA
44305	C	BARUUN-URT	MONGOLIA	97560	C	BIAK/MOKMER	INDONESIA
44241	C	BARUUNKHARAA	MONGOLIA	12295	C	BIALYSTOK	POLAND
44213	C	BARUUNTURUUN	MONGOLIA	42165	C	BIKANER	INDIA
86011	C	BASE 5 "GRAL A.JARA"	PARAGUAY	72677	C	BILLINGS/LOGANINT., MT.	USA
89057	C	BASE ARTUROPRAT	CHILE	61017	C	BILMA	NIGER
89034	C	BASE BELGRANOII	ARGENTINA	72515	C	BINGHAMTON/BROOMECONY.	USA
89059	C	BASE BERNARDOO'HIGGINS	CHILE	96441	CT	BINTULU	MALAYSIA
88963	C	BASE ESPERANZA	ARGENTINA	61075	C	BIRNI-N' KONNI	NIGER
89053	C	BASE JUBANY	ARGENTINA	41084	C	BISHA	SAUDI ARABIA

STATION LIST RECENT DATA

60525	C	BISKRA	ALGERIA	72528	C	BUFFALO/GREATERBUFFALO,NY.	USA
72764	CT	BISMARCK/MUN.,ND.	USA	67964	C	BULAWAYO(GOETZOBSY.)	ZIMBABWE
15085	C	BISTRITA	ROMANIA	44239	C	BULGAN	MONGOLIA
01028	CT	BJORNOYA	NORWAY	08075	C	BURGOS/VILLAFRIA	SPAIN
31510	CT	BLAGOVESCENSK	RUSSIAN FEDERATION	72617	C	BURLINGTON/INTL.VT.	USA
68442	C	BLOEMFONTEINAIRPORT	SOUTH AFRICA	17116	C	BURSA	TURKEY
82024	C	BOA VISTA	BRAZIL	98330	C	CABANATUAN	PHILIPPINES
65510	C	BOBO-DIOULASSO	BURKINA FASO	08261	C	CACERES	SPAIN
01152	CT	BODO	NORWAY	07027	C	CAEN	FRANCE
80222	CT	BOGOTA/ELDORADO	COLOMBIA	16560	T	CAGLIARI/ELMAS	ITALY
29282	C	BOGUCANY	RUSSIAN FEDERATION	94287	C	CAIRNS AERO	AUSTRALIA
65338	C	BOHICON	BENIN	80442	C	CALABOZO	VENEZUELA
72681	C	BOISE/MUN.,ID.	USA	42807	C	CALCUTTA/ALIPORE	INDIA
83288	CT	BOM JESUS DA LAPA	BRAZIL	42809	T	CALCUTTA/DUMDUM	INDIA
43057	C	BOMBAY/COLABA	INDIA	80259	C	CALI/ALFONSOBONILLAARAGON	COLOMBIA
43003	T	BOMBAY/SANTACRUZ	INDIA	68618	C	CALVINIA	SOUTH AFRICA
31253	C	BOMNAK	RUSSIAN FEDERATION	03808	T	CAMBORNE	U KINGDOM
65545	C	BONDOUKOU	COTE D'IVOIRE	71925	T	CAMBRIDGEBAY UA, N.W.T.	CANADA
23884	C	BOR	RUSSIAN FEDERATION	85315	C	CAMIRI	BOLIVIA
91929	C	BORA-BORA	FRENCH POLY. ON	83612	T	CAMPO GRANDE(AEROPORTO)	BRAZIL
07510	C	BORDEAUX/MERIGNAC	FRANCE	83698	C	CAMPOS	BRAZIL
65516	C	BOROMO	BURKINA FASO	17112	C	CANAKKALE	TURKEY
72509	C	BOSTON/LOGANINT., MA	USA	07661	C	CAP CEPET	FRANCE
64601	C	BOUAR	CENTRALAFRICAN REP	71910	C	CAPE DORSET,N.W.T.	CANADA
61296	C	BOUGOUNI	MALI	72304	C	CAPE HATTERAS,NC.	USA
07255	C	BOURGES	FRANCE	68816	CT	CAPE TOWN INTNL. AIRPORT	SOUTH AFRICA
03862	C	BOURNEMOUTH AIRPORT	U KINGDOM	80416	C	CARACAS/LACARLOTA	VENEZUELA
08575	C	BRAGANCA	PORTUGAL	80415	C	CARACAS/MAIQUETIAAEROP. INT	VENEZUELA
83377	C	BRASILIA	BRAZIL	83592	C	CARATINGA	BRAZIL
83378	T	BRASILIA (AEROPORTO)	BRAZIL	83498	CT	CARAVELAS	BRAZIL
30309	C	BRATSK	RUSSIAN FEDERATION	72712	C	CARIBOU/MUN.,ME.	USA
64450	C	BRAZZAVILLE/MAYA-MAYA	CONGO	82765	CT	CAROLINA	BRAZIL
07110	CT	BREST	FRANCE	80432	C	CARRIZAL	VENEZUELA
64655	C	BRIA	CENTRALAFRICAN REP	80022	C	CARTAGENA/RAFAELNUNEZ	COLOMBIA
16320	T	BRINDISI	ITALY	60155	CT	CASABLANCA	MOROCCO
11723	C	BRNO/TURANY	CZECH REP	03967	C	CASEMENT AERODROME	IRELAND
10453	C	BROCKEN	GERMANY	89611	CT	CASEY	AUSTRALIA
94203	CT	BROOME AIRPORT	AUSTRALIA	72569	C	CASPER/NATRONACOUNTY I.,WY.	USA
72250	C	BROWNSVILLE/INT.,TX.	USA	87222	C	CATAMARCA AERO.	ARGENTINA
96315	CT	BRUNEI AIRPORT	BRUNEI DARUSSALAM	83676	C	CATANDUVA	BRAZIL
80094	C	BUCARAMANGA/PALONEGRO	COLOMBIA	81405	C	CAYENNE/ROCHAMBEAU	FRENCH GUIANA
15420	CT	BUCURESTI/IMH	ROMANIA	94653	C	CEDUNA AIRPORT	AUSTRALIA
12843	CT	BUDAPEST/LORINC	HUNGARY	89056	C	CENTROMET.ANTARTICO' PDTE.ED	CHILE
87585	C	BUENOS AIRES OBSERVATORIO	ARGENTINA	87257	C	CERES AERO	ARGENTINA

STATION LIST RECENT DATA

87320	C	CHAMICAL AERO	ARGENTINA	85041	C	COBIJA	BOLIVIA
48480	C	CHANTHABURI	THAILAND	85223	C	COCHABAMBA	BOLIVIA
85230	C	CHARANA	BOLIVIA	43353	T	COCHIN/WILLINGDON	INDIA
38687	C	CHARDZHEV	TURKMENISTAN	96996	CT	COCOS ISLAND AERO	AUSTRALIA
72414	C	CHARLESTON/KANAWHA.,WV.	USA	94791	C	COFFS HARBOURMO	AUSTRALIA
72208	C	CHARLESTON/MUN.,SC.	USA	70316	CT	COLD BAY	USA
72314	C	CHARLOTTE/DOUGLAS,NC.	USA	43466	C	COLOMBO	SRI LANKA
07314	C	CHASSIRON	FRANCE	86560	C	COLONIA	URUGUAY
93986	T	CHATHAMISLAND	N ZEALAND	72310	C	COLUMBIA,SC.	USA
93987	C	CHATHAMISLANDS AWS	N ZEALAND	72445	C	COLUMBIA/REGIONAL,MO.	USA
72324	C	CHATTANOOGA/LOVELLFIELD, TN	USA	72428	C	COLUMBUS/PORTCOLUMBUS,OH.	USA
47184	C	CHEJU	REP KOREA	76848	C	COMITAN,CHIS.	MEXICO
10577	C	CHEMNITZ	GERMANY	87860	C	COMODORO RIVADAVIA AERO	ARGENTINA
56294	C	CHENGDU	CHINA	82861	C	CONCEICAODO ARAGUAIA	BRAZIL
87322	C	CHEPES	ARGENTINA	86134	C	CONCEPCION	PARAGUAY
42515	C	CHERRAPUNJI	INDIA	72605	C	CONCORD/MUN.,NH.	USA
76750	C	CHETUMAL,Q.ROO	MEXICO	87395	C	CONCORDIA AERO	ARGENTINA
72564	C	CHEYENNE,WY.	USA	15480	C	CONSTANTA	ROMANIA
41768	C	CHHOR	PAKISTAN	60419	C	CONSTANTINE	ALGERIA
48327	CT	CHIANG MAI	THAILAND	85470	C	COPIAPO	CHILE
72530	C	CHICAGO/O'HARE,IL.	USA	71915	T	CORAL HARBOUR UA, N.W.T.	CANADA
47971	CT	CHICHIJIMA	JAPAN	87344	CT	CORDOBA AERO	ARGENTINA
87213	C	CHILECITO AERO	ARGENTINA	08410	C	CORDOBA/AEROPUERTO	SPAIN
85672	C	CHILLAN	CHILE	03955	C	CORK AIRPORT	IRELAND
38262	C	CHIMBAJ	UZBEKISTAN	80403	C	CORO	VENEZUELA
30758	CT	CHITA	RUSSIAN FEDERATION	72251	C	CORPUS CHRISTI/INT.,TX.	USA
44259	C	CHOIBALSAN	MONGOLIA	87166	C	CORRIENTES AERO.	ARGENTINA
44298	C	CHOIR	MONGOLIA	17084	C	CORUM	TURKEY
76311	C	CHOIX,SIN.	MEXICO	83552	C	CORUMBA	BRAZIL
21946	C	CHOKURDAH	RUSSIAN FEDERATION	65344	C	COTONOU	BENIN
47648	C	CHOSHI	JAPAN	10496	C	COTTBUS	GERMANY
93780	C	CHRISTCHURCH	N ZEALAND	85864	C	COYHAIQUE	CHILE
48517	C	CHUMPHON	THAILAND	82704	C	CRUZEIRO DO SUL	BRAZIL
47101	C	CHUNCHON	REP KOREA	80097	C	CUCUTA/CAMILODAZA	COLOMBIA
71913	T	CHURCHILLUA,MAN.	CANADA	83361	C	CUIABA	BRAZIL
96805	C	CILACAP	INDONESIA	80420	C	CUMANA	VENEZUELA
72421	C	CINCINNATI/GREATERCIN., OH.	USA	85629	C	CURICO	CHILE
80444	C	CIUDAD BOLIVAR	VENEZUELA	83842	C	CURITIBA	BRAZIL
86248	C	CIUDAD DEL ESTE	PARAGUAY	83840	T	CURITIBA (AEROPORTO)	BRAZIL
08348	C	CIUDAD REAL	SPAIN	96739	C	CURUG/BUDIARTO	INDONESIA
07460	C	CLERMONT-FERRAND	FRANCE	43150	T	CWC VISHAKHAPATNAM/WALTAIR	INDIA
15120	C	CLUJ-NAPOCA	ROMANIA	98325	C	DAGUPAN	PHILIPPINES
71090	C	CLYDE,N.W.T.	CANADA	61641	CT	DAKAR/YOFF	SENEGAL
94711	CT	COBAR	AUSTRALIA	41712	C	DAL BANDIN	PAKISTAN

STATION LIST RECENT DATA

44373	C	DALANZADGAD	MONGOLIA	24143	C	DZARDZAN	RUSSIAN FEDERATION
72259	C	DALLAS-FORT WORTH/FORT.,TX.	USA	68858	C	EAST LONDON	SOUTH AFRICA
42587	C	DALTONGANJ	INDIA	94907	C	EAST SALE AIRPORT	AUSTRALIA
40080	C	DAMASCUS INT. AIRPORT	SYRIAN ARAB REP	17050	C	EDIRNE	TURKEY
62805	C	DAMAZINE	SUDAN	71119	T	EDMONTON STONY PLAIN, ALTA	CANADA
04320	C	DANMARKSHAVN	GREENLAND	40199	C	EILAT	ISRAEL
63894	C	DAR ES SALAAM AIRPORT	U REP TANZANIA	28440	C	EKATERINBURG	RUSSIAN FEDERATION
60390	CT	DAR-EL-BEIDA	ALGERIA	62337	C	EL ARISH	EGYPT
94120	CT	DARWIN AIRPORT	AUSTRALIA	62760	C	EL FASHER	SUDAN
44256	C	DASHBALBAR	MONGOLIA	60590	C	EL GOLEA	ALGERIA
26544	C	DAUGAVPILS	LATVIA	62771	C	EL OBEID	SUDAN
89571	CT	DAVIS	AUSTRALIA	72270	C	EL PASO/INT., TX.	USA
72429	C	DAYTON/.COX, OH	USA	80437	C	EL VIGIA	VENEZUELA
06260	C	DE BILT	NETHERLANDS	12160	C	ELBLAG	POLAND
06235	C	DE KOOY	NETHERLANDS	72486	C	ELY/YELLAND,NV.	USA
12882	C	DEBRECEN	HUNGARY	07591	CT	EMBRUN	FRANCE
65505	C	DEDOUGOU	BURKINA FASO	10200	C	EMDEN-FLUGPLATZ	GERMANY
40045	C	DEIR EZZOR	SYRIAN ARAB REP	76256	C	EMPALME, SON	MEXICO
97230	C	DENPASAR/NGURAH-RAI	INDONESIA P	62781	C	EN NAHUD	SUDAN
41624	C	DERA ISMAIL KHAN	PAKISTAN	86297	C	ENCARNACION	PARAGUAY
72546	C	DES MOINES/MUN., IA.	USA	29263	C	ENISEJSK	RUSSIAN FEDERATION
72537	C	DETROIT/METROPOLITAN,MI.	USA	24817	C	ERBOGACEN	RUSSIAN FEDERATION
40416	C	DHAHRAN	SAUDI ARABIA	44237	C	ERDENEMANDAL	MONGOLIA
41923	T	DHAKA	BANGLADESH	53068	C	ERENHOT	CHINA
42314	C	DIBRUGARH/MOHANBARI	INDIA	10554	C	ERFURT-BINDERSLEBEN	GERMANY
67009	C	DIEGO-SUAREZ	MADAGASCAR	17092	C	ERZINCAN	TURKEY
07280	C	DIJON	FRANCE	17096	C	ERZURUM	TURKEY
89054	C	DINAMET-URUGUAY	URUGUAY	40800	C	ESFAHAN	IRAN, ISLAMIC REP
63471	C	DIREDAWA	ETHIOPIA	03162	C	ESKDALEMUIR	U KINGDOM
17280	CT	DIYARBAKIR	TURKEY	87803	C	ESQUEL AERO	ARGENTINA
63862	C	DODOMA	U REP TANZANIA	60220	C	ESSAOUIRA	MOROCCO
87648	C	DOLORES AERO	ARGENTINA	10410	CT	ESSEN	GERMANY
62650	C	DONGOLA	SUDAN	71917	T	EUREKA UA, N.W.T.	CANADA
65501	C	DORI	BURKINA FASO	72594	C	EUREKA, CA.	USA
10488	C	DRESDEN-KLOTZSCHE	GERMANY	72432	C	EVANSVILLE/REG.,IN.	USA
41515	C	DROSH	PAKISTAN	87576	CT	EZEIZA AERO	ARGENTINA
41194	C	DUBAI INTERNATIONAL AIRPORT	U ARAB EMIRATES	65507	C	FADA N'GOURMA	BURKINA FASO
03969	C	DUBLIN AIRPORT	IRELAND	70261	C	FAIRBANKS/INT.	USA
52836	C	DULAN	CHINA	72753	C	FARGO/HECTORFIELD, ND.	USA
72745	C	DULUTH/INT.,MN.	USA	76698	C	FELIPE CARRILLO PUERTO, Q.RO	MEXICO
89642	CT	DUMONT D'URVILLE	FRANCE	11155	C	FEUERKOGEL	AUSTRIA
68588	CT	DURBAN INTNL. AIRPORT	SOUTH AFRICA	10578	C	FICHTELBERG	GERMANY
42731	C	DWARKA	INDIA	72637	C	FLINT/BISHOP, MI.	USA
67005	C	DZAOUZDI/PAMANZI(MAYOTTE)	COMOROS	82678	CT	FLORIANO	BRAZIL

STATION LIST RECENT DATA

83897	C	FLORIANOPOLIS	BRAZIL	41140	C	GIZAN	SAUDI ARABIA
82212	C	FONTE BOA	BRAZIL	72768	C	GLASGOW/INTL.MT.	USA
87162	C	FORMOSA AERO	ARGENTINA	20292	C	GMO IM.E.K. FEDOROVA	RUSSIAN FEDERATION
71945	CT	FORT NELSON UA,B.C.	CANADA	43192	CT	GOA/PANJIM	INDIA
71934	T	FORT SMITH UA,N.W.T.	CANADA	87880	C	GOBERNADOR GREGORES AERO	ARGENTINA
72344	C	FORT SMITH/MUN.,AR.	USA	10499	C	GOERLITZ	GERMANY
72533	C	FORT WAYNE/MUN.,BAERFL.,IN.	USA	83423	C	GOIANIA	BRAZIL
67197	C	FORT-DAUPHIN	MADAGASCAR	63331	C	GONDAR	ETHIOPIA
82397	CT	FORTALEZA	BRAZIL	71816	CT	GOOSE UA,NFLD.	CANADA
72389	C	FRESNO/AIR TERM.,CA.	USA	02527	T	GOTEBORG/LANDVETTER	SWEDEN
02226	C	FROSON	SWEDEN	02512	C	GOTEBORG/SAVE	SWEDEN
47843	C	FUKUE	JAPAN	68906	T	GOUGH ISLAND	SOUTH AFRICA
47807	CT	FUKUOKA	JAPAN	07535	C	GOURDON	FRANCE
91643	CT	FUNAFUTI	TUVALU	61045	C	GOURE	NIGER
08522	CT	FUNCHAL	MADEIRA	94150	CT	GOVE AIRPORT	AUSTRALIA
60765	C	GABES	TUNISIA	72476	C	GRAND JUNCTION/WALKERF.,CO.	USA
60745	C	GAFSA	TUNISIA	72635	C	GRAND RAPIDS/KENT CO.,MI.	USA
65557	C	GAGNOA	COTE D'IVOIRE	78954	C	GRANTLEY ADAMS	BARBADOS
44284	C	GAIUUT	MONGOLIA	11240	C	GRAZ-THALERHOF-FLUGHAFEN	AUSTRIA
83746	T	GALEAO	BRAZIL	72645	C	GREEN BAY/A.-STRAUBEL,WI.	USA
72242	C	GALVESTON,TX.	USA	72317	C	GREENSBORO/G.-HIGHPT.,NC.	USA
94926	C	GANBERRAAMO	AUSTRALIA	72312	C	GREENVILLE/SPATANBURGSC	USA
71803	C	GANDER INT.AIRPORT,NFLD.	CANADA	10184	CT	GREIFSWALD	GERMANY
57993	C	GANZHOU	CHINA	87497	C	GUALEGUAYCHUAERO	ARGENTINA
61226	C	GAO	MALI	76577	C	GUANAJUATO,GTO.	MEXICO
65522	C	GAOUA	BURKINA FASO	80428	C	GUANARE	VENEZUELA
63723	C	GARISSA	KENYA	59287	C	GUANGZHOU	CHINA
40405	C	GASSIM	SAUDI ARABIA	80448	C	GUASDUALITO	VENEZUELA
42410	CT	GAUHATI	INDIA	80423	C	GUIRIA	VENEZUELA
62752	C	GEDAREF	SUDAN	02128	C	GUNNARN	SWEDEN
10628	C	GEISENHEIM	GERMANY	40360	C	GURIAT	SAUDI ARABIA
62770	C	GENEINA	SUDAN	40250	C	H-4 'IRWAISHED'	JORDAN
87532	C	GENERAL PICO AERO	ARGENTINA	31735	C	HABAROVSK	RUSSIAN FEDERATION
06700	C	GENEVE-COINTRIN	SWITZERLAND	47678	CT	HACHIOJIMA	JAPAN
68828	C	GEORGE AIRPORT	SOUTH AFRICA	40373	T	HAFR AL-BATIN	SAUDI ARABIA
81001	C	GEORGETOWN	GUYANA	59758	C	HAIKOU	CHINA
10567	C	GERA-LEUMNITZ	GERMANY	40394	CT	HAIL	SAUDI ARABIA
94403	CT	GERALDTON AIRPORT	AUSTRALIA	50527	CT	HAILAR	CHINA
08184	C	GERONA/COSTABRAVA	SPAIN	17285	C	HAKKARI	TURKEY
60566	C	GHARDAIA	ALGERIA	47430	C	HAKODATE	JAPAN
08495	CT	GIBRALTAR	GIBRALTAR	71081	CT	HALL BEACH UA,N.W.T.	CANADA
94461	CT	GILES	AUSTRALIA	89022	CT	HALLEY	U KINGDOM
17034	C	GIRESUN	TURKEY	94212	C	HALLS CREEK AMO	AUSTRALIA
93292	C	GISBORNE AERODROME AWS	N ZEALAND	40030	C	HAMA	SYRIAN ARAB REP

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47755	C	HAMADA	JAPAN	72438	C	INDIANAPOLIS/I.-MUN/WEL.,IN.	USA
43497	C	HAMBANTOTA	SRI LANKA	42754	C	INDORE	INDIA
10147	C	HAMBURG-FUHLBUETTEL	GERMANY	11120	C	INNSBRUCK-FLUGHAFEN	AUSTRIA
52203	C	HAMI	CHINA	64115	C	INONGO	DEMO. REP THEW CON
10338	C	HANNOVER	GERMANY	72747	CT	INT.FALLS/FALLSINT.MN.	USA
23933	CT	HANTY-MANSIJSK	RUSSIAN FEDERATION	71907	CT	INUKJUAQ, QUE	CANADA
02196	C	HAPARANDA	SWEDEN	71957	CT	INUVIK UA,N.W.T.	CANADA
72508	C	HARTFORD/BRADLEYINTL, CT.	USA	93844	CT	INVERCARGILLAERODROME	N ZEALAND
20891	CT	HATANGA	RUSSIAN FEDERATION	80370	C	IPIALES/SANLUIS	COLOMBIA
44207	C	HATGAL	MONGOLIA	71909	CT	IQALUIT,N.W.T.	CANADA
78988	CT	HATO AIRPORT,CURACAO	CURACAO AND BONAIRE	83881	C	IRAI	BRAZIL
71935	C	HAY RIVER,N.W.T.	CANADA	83836	C	IRATI	BRAZIL
72772	C	HELENA/COUNTY-CITY.MT.	USA	68263	T	IRENE	SOUTH AFRICA
02974	C	HELSINKI-VANTAA	FINLAND	30710	C	IRKUTSK	RUSSIAN FEDERATION
62378	CT	HELWAN	EGYPT	47918	CT	ISHIGAKIJIMA	JAPAN
16754	C	HERAKLION(AIRPORT)	GREECE	85469	CT	ISLA DE PASCUA	CHILE
91945	C	HEREHERETUE	FRENCH POLY.	85585	C	ISLA JUAN FERNANDEZ	CHILE
71066	C	HIGH LEVEL, ALTA	CANADA	41571	C	ISLAMABAD AIRPORT	PAKISTAN
91753	C	HIHIFO (ILE WALLIS)	N CALEDONIA	17240	CT	ISPARTA	TURKEY
91285	CT	HILO/GEN.LYMAN, HAWAII,	USA ONIA	17062	CT	ISTANBUL/GOZTEPE	TURKEY
94975	CT	HOBART AIRPORT	AUSTRALIA	82445	C	ITAITUBA	BRAZIL
10962	C	HOHENPEISSENBERG	GERMANY	17220	CT	IZMIR/GUZELYALT	TURKEY
93615	C	HOKITIKA AERODROMEAWS	N ZEALAND	47800	C	IZUHARA	JAPAN
61240	C	HOMBORI	MALI	72235	C	JACKSON/ALLENC. THOMP., MS.	USA
91182	C	HONOLULU,OAHU, HAWAII	USA	72206	C	JACKSONVILLE/INTNL.,FL.	USA
08506	C	HORTA (ACORES)	PORTUGAL	41715	C	JACOBABAD	PAKISTAN
51828	C	HOTAN	CHINA	83186	C	JACOBINA	BRAZIL
72243	C	HOUSTON/INTERCONTI-NENTAL,	USA	43041	C	JAGDALPUR	INDIA
44218	C	HOVD	MONGOLIA	96745	C	JAKARTA/OBSERVATORY	INDONESIA
44285	C	HUJIRT	MONGOLIA	96749	C	JAKARTA/SOEKARNO-HATTA	INDONESIA
72425	C	HUNTINGTON,WV	USA	24959	CT	JAKUTSK	RUSSIAN FEDERATION
72654	C	HURON/HURONREGIONAL, SD.	USA	01001	CT	JAN MAYEN	NORWAY
44232	C	HUTAG	MONGOLIA	41024	CT	JEDDAH (KING ABDUL AZIZ INT.	SAUDI ARABIA
43128	CT	HYDERABADAIRPORT	INDIA	60725	C	JENDOUBA	TUNISIA
15090	C	IASI	ROMANIA	08451	C	JEREZ DE LA FRONTERA AERO.	SPAIN
80214	C	IBAGUE/PERALES	COLOMBIA	41598	C	JHELUM	PAKISTAN
08373	C	IBIZA/ES CODOLA	SPAIN	63402	C	JIMMA	ETHIOPIA
87097	C	IGUAZU AERO	ARGENTINA	52533	C	JIUQUAN	CHINA
25248	C	ILIRNEJ	RUSSIAN FEDERATION	41756	C	JIWANI	PAKISTAN
04339	C	ILLOQQORTOORMIUT(SCORES BY SU	GREENLAND	42339	CT	JODHPUR	INDIA
98637	C	ILOILO	PHILIPPINES	02929	C	JOENSUU	FINLAND
31416	C	IM POLINY OSIPENKO	RUSSIAN FEDERATION	68368	C	JOHANNESBURGINT. AIRPORT	SOUTH AFRICA
64459	C	IMPFONDO	CONGO	02963	CT	JOKIOINEN	FINLAND
60630	CT	IN SALAH	ALGERIA	02550	C	JONKOPING/AXAMO	SWEDEN

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78762	C	JUAN SANTAMARIA	COSTA RICA	40766	C	KERMANS SHAH	IRAN, ISLAMIC REP
62941	C	JUBA	SUDAN	02805	C	KEVO	FINLAND
87046	C	JUJUY AERO	ARGENTINA	72201	C	KEY WEST/INT.,FL.	USA
78866	CT	JULIANA AIRPORT, ST. MAARTEN	ST.MAARTEN,ST.EUST	44313	C	KHALKH-GOL	MONGOLIA
87548	C	JUNIN AERO	ARGENTINA	41114	C	KHAMIS MUSHAIT	SAUDI ARABIA
32150	CT	JUZHNO-SAHALINSK	RUSSIAN FEDERATION	41718	C	KHANPUR	PAKISTAN
02935	CT	JYVASKYLA	FINLAND	34300	C	KHARKIV	UKRAINE
62810	C	KADUGLI	SUDAN	62721	CT	KHARTOUM	SUDAN
47827	CT	KAGOSHIMA	JAPAN	41744	C	KHUZDAR	PAKISTAN
17255	C	KAHRAMANMARAS	TURKEY	64387	C	KIGALI	RWANDA
93678	C	KAIKOURA	N ZEALAND	64222	C	KIKWIT	DEMO. REP THE CONG
60735	C	KAIROUAN	TUNISIA	02801	C	KILPISJARVI	FINLAND
93012	C	KAITAIA	N ZEALAND	68438	C	KIMBERLEY	SOUTH AFRICA
02897	C	KAJAANI	FINLAND	40417	C	KING FAHAD INT. AIRPORT	SAUDI ARABIA
30469	C	KALAKAN	RUSSIAN FEDERATION	40437	CT	KING KHALED INT. AIRPORT	SAUDI ARABIA
16726	C	KALAMATA (AIRPORT)	GREECE	70326	C	KING SALMON	USA
40001	C	KAMISHLI	SYRIAN ARAB REP	45004	CT	KING'S PARK	HONG KONG, CHINA
71887	C	KAMLOOPS,B.C.	CANADA	78397	CT	KINGSTON/NORMANMANLEY	JAMAICA
47605	C	KANAZAWA	JAPAN	03066	C	KINLOSS	U KINGDOM
65306	C	KANDI	BENIN	64210	C	KINSHASA/N'DJILI	DEMO. REP THE CONG
47105	C	KANGNUNG	REP KOREA	30230	CT	KIRENSK	RUSSIAN FEDERATION
22165	C	KANIN NOS	RUSSIAN FEDERATION	61270	C	KITA	MALI
61679	C	KAOLACK	SENEGAL	11231	C	KLAGENFURT-FLUGHAFEN	AUSTRIA
41780	C	KARACHIAIRPORT	PAKISTAN	26509	C	KLAJPEDA	LITHUANIA
35394	C	KARAGANDA	KAZAKHSTAN	72326	C	KNOXVILLE/MUN.,TN.	USA
02080	C	KARESUANDO	SWEDEN	11487	C	KOCELOVICE	CZECH REP
62660	C	KARIMA	SUDAN	06186	C	KOEBENHAVN/LANDBOHOEJSKOLEN	DENMARK & FAROE IS.
10727	C	KARLSRUHE	GERMANY	29231	CT	KOLPASEVO	RUSSIAN FEDERATION
02418	C	KARLSTADFLYGPLATS	SWEDEN	10929	C	KONSTANZ	GERMANY
17098	C	KARS	TURKEY	17244	C	KONYA	TURKEY
51709	C	KASHI	CHINA	25954	CT	KORF	RUSSIAN FEDERATION
62730	C	KASSALA	SUDAN	91408	C	KOROR, PALAU IS.	USA FEDERATION
17074	C	KASTAMONU	TURKEY	62772	C	KOSTI	SUDAN
44454	C	KATHMANDU AIRPORT	NEPAL	42452	C	KOTA AERODROME	INDIA
26629	C	KAUNAS	LITHUANIA	48615	CT	KOTA BHARU	MALAYSIA
61257	C	KAYES	MALI	96471	CT	KOTA KINABALU	MALAYSIA
27595	CT	KAZAN'	RUSSIAN FEDERATION	70133	CT	KOTZEBUE,RALPH WIEN	USA
04018	CT	KEFLAVIKURFLUGVOLLUR	ICELAND	91577	C	KOUMAC (NLE-CALEDONIE)	N CALEDONIA
10946	C	KEMPTEN	GERMANY	61293	C	KOUTIALA	MALI
61285	C	KENIEBA	MALI	43314	C	KOZHICODE	INDIA
60120	C	KENITRA	MOROCCO	12566	C	KRAKOW	POLAND
16641	C	KERKYRA (AIRPORT)	GREECE	48647	C	KUALA LUMPUR/SUBANG	MALAYSIA
93997	T	KERMADECIS.	N ZEALAND	48657	C	KUANTAN	MALAYSIA
40841	CT	KERMAN	IRAN, ISLAMIC REP	96413	CT	KUCHING	MALAYSIA

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65442	C	KUMASI	GHANA	03257	C	LEEMING	U KINGDOM
56778	CT	KUNMING	CHINA	98444	C	LEGASPI	PHILIPPINES
47418	C	KUSHIRO	JAPAN	12374	T	LEGIONOWO	POLAND
28952	C	KUSTANAI	KAZAKHSTAN	10469	C	LEIPZIG-SCHKEUDITZ	GERMANY
71906	CT	KUUJUAQ,QUE.	CANADA	83242	C	LENCOIS	BRAZIL
71905	C	KUUJUARAPIK,QUE.	CANADA	03005	CT	LERWICK	U KINGDOM
02869	C	KUUSAMO	FINLAND	80398	CT	LETICIA/VASQUEZCOBO	COLOMBIA
91366	C	KWAJALEIN/BUCHOLZAAF, MARSH	USA	72422	C	LEXINGTON/BLUEGRASS, KY.	USA
47158	T	KWANGJU AB	REP KOREA	55591	CT	LHASA	CHINA
33345	C	KYIV	UKRAINE	11603	C	LIBEREC	CZECH REP
33393	C	L'VIV	UKRAINE	67217	C	LICHINGA	MOZAMBIQUE
08001	CT	LA CORUNA	SPAIN	91165	C	LIHUE, KAUAI, HAWAII	USA QUE
71823	T	LA GRANDE IV,QUE.	CANADA	07015	C	LILLE	FRANCE
71827	C	LA GRANDE RIVIERE, QUE	CANADA	67586	C	LILONGWE INT'L AIRPORT	MALAWI
07020	CT	LA HAGUE	FRANCE	07434	C	LIMOGES	FRANCE
76405	C	LA PAZ, B.C.S.	MEXICO	10393	CT	LINDENBERG	GERMANY
85201	C	LA PAZ/ALTO	BOLIVIA	61627	C	LINGUERE	SENEGAL
87007	C	LA QUIACA OBSERVATORIO	ARGENTINA	08579	T	LISBOA/GAGOCOUTINHO	PORTUGAL
87217	C	LA RIOJA AERO.	ARGENTINA	08535	C	LISBOA/GEOF	PORTUGAL
85488	C	LA SERENA	CHILE	08084	C	LOGRONO/AGONCILLO	SPAIN
87534	C	LABOULAYE	ARGENTINA	65387	C	LOME	TOGO
82723	C	LABREA	BRAZIL	83766	C	LONDRINA	BRAZIL
96465	C	LABUAN	MALAYSIA	94346	C	LONGREACH AIRPORT	AUSTRALIA
41640	C	LAHORE CITY	PAKISTAN	94995	CT	LORD HOWE ISLAND AERO	AUSTRALIA
08508	T	LAJES/SANTARITA (ACORES)	PORTUGAL	72295	C	LOS ANGELES/INT.,CA.	USA
72240	C	LAKE CHARLES/MUN.,LA.	USA	64401	C	LOUBOMO	CONGO
72576	C	LANDER/HUNT,WY.	USA	72423	C	LOUISVILLE/STANDIFORD,KY.	USA
60040	C	LANZAROTE/AEROPUERTO	SPAIN	48930	C	LUANG-PRABANG	LAO PDR
52889	CT	LANZHOU	CHINA	72267	C	LUBBOCK/LUBBOCKINTL, TX.	USA
98223	C	LAOAG	PHILIPPINES	42369	T	LUCKNOW/AMAUSI	INDIA
16648	C	LARISSA (AIRPORT)	GREECE	06770	C	LUGANO	SWITZERLAND
17609	C	LARNACA AIRPORT	CYPRUS	16597	C	LUQA	MALTA
87563	C	LAS FLORES AERO	ARGENTINA	06590	C	LUXEMBOURG/LUXEMBOURG	LUXEMBOURG
80241	CT	LAS GAVIOTAS	COLOMBIA	03740	C	LYNEHAM	U KINGDOM
87078	C	LAS LOMITAS	ARGENTINA	71078	C	LYNN LAKE, MAN.	CANADA
60030	C	LAS PALMAS DE GRAN CAN./GAN.	SPAIN	40310	C	MA'AN	JORDAN
72386	C	LAS VEGAS/MCCARRAN,NV.	USA	44294	C	MAANTI	MONGOLIA
40022	C	LATTAKIA	SYRIAN ARAB REP	82098	C	MACAPA	BRAZIL
94968	C	LAUNCESTON AIRPORT	AUSTRALIA	43185	C	MACHILIPATNAM	INDIA
07471	C	LE BUY	FRANCE	94367	C	MACKAY MO	AUSTRALIA
78925	C	LE LAMENTIN	MARTINIQUE	72217	C	MACON/LEWIS B.WILSON,GA.	USA
78897	C	LE RAIZET, GUADELOUPE	ST.MARTIN,ST.BARTH	94998	CT	MACQUARIE ISLAND	AUSTRALIA
07207	C	LE TALUT	FRANCE	98646	C	MACTAN	PHILIPPINES
12120	CT	LEBA	POLAND	40430	CT	MADINAH	SAUDI ARABIA

STATION LIST RECENT DATA

72641	C	MADISON/DANECOUNTYREGIONAL	USA	61630	C	MATAM	SENEGAL
43279	CT	MADRAS/MINAMBAKKAM	INDIA	47741	C	MATSUE	JAPAN
08221	CT	MADRID/BARAJAS	SPAIN	47618	C	MATSUMOTO	JAPAN
47624	C	MAEBASHI	JAPAN	47887	C	MATSUYAMA	JAPAN
40265	T	MAFRAQ	JORDAN	80435	C	MATURIN	VENEZUELA
61091	C	MAGARIA	NIGER	89564	CT	MAWSON	AUSTRALIA
85114	C	MAGDALENA	BOLIVIA	64005	C	MBANDAKA	DEMO. REP THE CONG
10361	C	MAGDEBURG	GERMANY	70231	C	MCGRATH	USA
61096	C	MAINE-SOROA	NIGER	96035	C	MEDAN/POLONIA	INDONESIA
67073	C	MAINTIRANO	MADAGASCAR	60437	C	MEDEA	ALGERIA
47750	C	MAIZURU	JAPAN	72597	CT	MEDFORD/MEDFORD-JACKSON COU	USA
91376	C	MAJUORO/MARSHALLS. INTL	USA	94430	C	MEEKATHARRAAIRPORT	AUSTRALIA
41030	C	MAKKAH	SAUDI ARABIA	10548	CT	MEININGEN	GERMANY
48665	C	MALACCA	MALAYSIA A	60150	C	MEKNES	MOROCCO
08482	C	MALAGA/AEROPUERTO	SPAIN	94866	C	MELBOURNEAIRPORT	AUSTRALIA
62840	C	MALAKAL	SUDAN	60338	C	MELILLA	SPAIN
87506	C	MALARGUEAERO	ARGENTINA	86440	C	MELO	URUGUAY
17199	C	MALATYA/BOLGE	TURKEY	97014	C	MENADO/DR.SAM RATULANGI	INDONESIA
03980	C	MALIN HEAD	IRELAND	87418	C	MENDOZA AERO	ARGENTINA
78741	C	MANAGUA A.C.SANDINO	NICARAGUA	80425	C	MENE GRANDE	VENEZUELA
82332	T	MANAUS (AEROPORTO)	BRAZIL	56985	C	MENGZI	CHINA
03334	C	MANCHESTER AIRPORT	U KINGDOM	08314	C	MENORCA/MAHON	SPAIN
44341	C	MANDALGOVI	MONGOLIA	97980	C	MERAUKE/MOPAH	INDONESIA
43285	T	MANGALORE/PANAMBUR	INDIA	86490	C	MERCEDES	URUGUAY
65352	C	MANGO	TOGO	80438	C	MERIDA	VENEZUELA
82533	C	MANICORE	BRAZIL	72234	C	MERIDIAN/KEY,MS.	USA
71722	T	MANIWAKI,QUE.	CANADA	62306	CT	MERSA MATRUH	EGYPT
03797	C	MANSTON	U KINGDOM	17340	C	MERSIN	TURKEY
76654	C	MANZANILLO,COL.	MEXICO	16420	C	MESSINA	ITALY
67341	C	MAPUTO/MAVALANE	MOZAMBIQUE	76680	C	MEXICO (CENTRAL),D.F.	MEXICO
87774	C	MAQUINCHAO	ARGENTINA	72202	C	MIAMI, FL.	USA
87692	C	MAR DEL PLATA AERO	ARGENTINA	60195	C	MIDELT	MOROCCO
82562	C	MARABA	BRAZIL	72265	C	MIDLAND/MIDLANDREG., TX.	USA
80407	C	MARACAIBO-LACHINITA	VENEZUELA	16080	T	MILANO/LINATE	ITALY
80413	C	MARACAY - B.A. SUCRE	VENEZUELA	94693	C	MILDURA AIRPORT	AUSTRALIA
61080	C	MARADI	NIGER	11464	C	MILESOVKA	CZECH REP
87467	C	MARCOS JUAREZ AERO	ARGENTINA	60430	C	MILIANA	ALGERIA
16325	C	MARINA DI GINOSA	ITALY	72640	C	MILWAUKEE/GEN.MITCHELL,WI.	USA
68994	CT	MARION ISLAND	SOUTH AFRICA	47945	CT	MINAMIDAITOJIMA	JAPAN
86068	C	MARISCAL ESTIGARRIBIA	PARAGUAY	47991	CT	MINAMITORISHIMA	JAPAN
60230	C	MARRAKECH	MOROCCO	43369	CT	MINICOY	INDIA
61996	T	MARTIN DE VIVIES (ILE AMSTER	OCEAN ISLANDS	72658	C	MINNEAPOLIS/ST.PAULINTL,MN.	USA
40745	CT	MASHHAD	IRAN, ISLAMIC REP	26850	C	MINSK	BELARUS
64207	C	MATADI	DEMO. REP THE CONG	29866	C	MINUSINSK	RUSSIAN FEDERATION

STATION LIST RECENT DATA

96449	C	MIRI	MALAYSIA ERATION	64654	C	N'DELE	CENTRALAFRICAN REP
89592	CT	MIRNYJ	USSR N	47817	C	NAGASAKI	JAPAN
72773	C	MISSOULA/JOHNSON-BELLF.,MT.	USA	47636	C	NAGOYA	JAPAN
47585	C	MIYAKO	JAPAN	42867	CT	NAGPUR SONEGAON	INDIA
47927	C	MIYAKOJIMA	JAPAN	47936	CT	NAHA	JAPAN
47830	C	MIYAZAKI	JAPAN	63741	T	NAIROBI/DAGORETTI	KENYA
68242	C	MMABATHO	SOUTH AFRICA	41128	C	NAJRAN	SAUDI ARABIA
72223	C	MOBILE/BATESFIELD, AL.	USA	48431	C	NAKHONRATCHASIMA	THAILAND
30673	C	MOGOCA	RUSSIAN FEDERATION	48400	C	NAKHONSAWAN	THAILAND
47165	C	MOKPO	REP KOREA	67237	C	NAMPULA	MOZAMBIQUE
72544	C	MOLINE/QUADCITY, IL.	USA	58606	C	NANCHANG	CHINA
76342	C	MONCLOVA,COAH.	MEXICO	07180	T	NANCY/ESSEY	FRANCE
07560	C	MONT AIGOUAL	FRANCE	91680	CT	NANDI	FIJI
07607	C	MONT-DE-MARSAN	FRANCE	59431	C	NANNING	CHINA
87393	C	MONTE CASEROS AERO	ARGENTINA	07222	C	NANTES	FRANCE
08003	C	MONTEFARO	SPAIN	23205	CT	NAR'JAN-MAR	RUSSIAN FEDERATION
78388	C	MONTEGO BAY/SANGSTER	JAMAICA	61233	C	NARA	MALI
76393	C	MONTERREY,N.L.	MEXICO	72327	CT	NASHVILLE/METROPOLITAN,TN.	USA
83437	C	MONTES CLAROS	BRAZIL	78073	C	NASSAU AIRPORT	BAHAMAS
72226	C	MONTGOMERY/DANNELLYAL.	USA	82598	C	NATAL	BRAZIL
07643	C	MONTPELLIER	FRANCE	82599	T	NATAL (AEROPORTO)	BRAZIL
71836	T	MOOSONEE,ONT.	CANADA	71813	C	NATASHQUAN,QUE.	CANADA
61265	C	MOPTI	MALI	65319	C	NATITINGOU	BENIN
76665	C	MORELIA,MICH.	MEXICO	91683	C	NAUSORI	FIJI
27612	CT	MOSKVA	RUSSIAN FEDERATION	41749	C	NAWABSHAH	PAKISTAN
94821	CT	MOUNT GAMBIER AERO	AUSTRALIA	47909	CT	NAZE	JAPAN
88889	T	MOUNT PLEASANT AIRPORT	UK FALKLANDISLANDS	64700	CT	NDJAMENA	CHAD
64402	C	MOUYONDZI	CONGO	80315	C	NEIVA/BENITOSALAS	COLOMBIA
94332	CT	MT ISA AERO	AUSTRALIA	47420	CT	NEMURO	JAPAN
63971	C	MTWARA	U REP TANZANIA	10557	C	NEUHAUS A.R.	GERMANY
10870	C	MUENCHEN,FLUGHAFEN	GERMANY	89002	CT	NEUMAYER	GERMANY
10868	T	MUENCHEN-OBERSCHLEISSHEIM	GERMANY	87715	C	NEUQUENAERO	ARGENTINA
17292	C	MUGLA	TURKEY	10270	C	NEURUPPIN	GERMANY
42147	C	MUKTESHWARKUMAON	INDIA	42182	CT	NEW DELHI/SAFDARJUNG	INDIA
41675	C	MULTAN	PAKISTAN	72231	C	NEW ORLEANS/MOISANTINT., LA	USA
08430	T	MURCIA	SPAIN	93309	C	NEW PLYMOUTHAWS	N ZEALAND
08433	C	MURCIA/SANJAVIER	SPAIN	72503	C	NEW YORK/LAGUARDIA,NY.	USA
44231	C	MUREN	MONGOLIA	61052	CT	NIAMEY-AERO	NIGER
22113	CT	MURMANSK	RUSSIAN FEDERATION	07690	C	NICE	FRANCE
47899	C	MUROTOMISAKI	JAPAN	17250	C	NIGDE	TURKEY
72636	C	MUSKEGON/COUNTY,MI.	USA	02942	C	NIINISALO	FINLAND
63756	C	MWANZA	U REP TANZANIA	32618	C	NIKOL'SKOE	RUSSIAN FEDERATION
25173	C	MYS SHMIDTA	RUSSIAN FEDERATION	31369	C	NIKOLAEVSK-NA-AMURE	RUSSIAN FEDERATION
25399	C	MYS UELEN	RUSSIAN FEDERATION	07645	T	NIMES/COURBESSAC	FRANCE

STATION LIST RECENT DATA

98429	C	NINOY AQUINO INTER- NATIONAL	PHILIPPINES	65503	C	OUAGADOUGOU	BURKINAFASO
61230	C	NIORO DU SAHEL	MALI	65502	C	OUAHIGOUYA	BURKINAFASO
23724	C	NJAKSIMVOL'	RUSSIAN FEDERATION	60265	C	OUARZAZATE	MOROCCO
41710	C	NOKKUNDI	PAKISTAN	64458	C	OUESSO	CONGO
70200	CT	NOME	USA	60115	C	OIJDA	MOROCCO
94996	CT	NORFOLK ISLAND AERO	AUSTRALIA	02875	C	OULU	FINLAND
72308	C	NORFOLK/INT.,VA.	USA	08015	C	OVIEDO	SPAIN
72556	C	NORFOLK/KARLSTEFAN, NE.	USA	47663	C	OWASE	JAPAN
71043	CT	NORMAN WELLS UA, N.W.T.	CANADA	91765	CT	PAGO PAGO/INT. AIRPORT	SAMOA
72340	C	NORTHLITTLE ROCK/MUNICIPAL	USA	96109	C	PAKANBARU/SIMPANGTIGA	INDONESIA
72562	CT	NORTH PLATTE/LEEBIRD, NE.	USA	48955	C	PAKSE	LAO PDR
91592	CT	NOUMEA (NLLE-CALEDONIE)	N CALEDONIA	08306	C	PALMA DE MALLORCA/SONSAN JU	SPAIN
89512	C	NOVOLAZAREVSKAJA	USSR	80479	C	PALMICHAL	VENEZUELA
10763	C	NUERNBERG	GERMANY	40061	C	PALMYRA	SYRIAN ARAB REP
04250	C	NUUK (GODTHAAB)	GREENLAND	43363	C	PAMBAN	INDIA
62790	C	NYALA	SUDAN	41739	C	PANJGUR	PAKISTAN
33837	C	ODESA	UKRAINE	41560	C	PARACHINAR	PAKISTAN
31088	CT	OHOTSK	RUSSIAN FEDERATION	65330	C	PARAKOU	BENIN
47815	C	OITA	JAPAN	87374	C	PARANA AERO	ARGENTINA
24688	C	OJMJAKON	RUSSIAN FEDERATION	93417	CT	PARAPARAUMUAERODROME	N ZEALAND
24125	CT	OLENEK	RUSSIAN FEDERATION	82287	C	PARNAIBA	BRAZIL
72792	C	OLYMPIA, WA.	USA	41759	C	PASNI	PAKISTAN
47655	C	OMAEZAKI	JAPAN	87814	C	PASO DE INDIOS	ARGENTINA
44215	C	OMNO-GOBI	MONGOLIA	87289	C	PASO DE LOS LIBRES AERO	ARGENTINA
28698	CT	OMSK	RUSSIAN FEDERATION	86460	C	PASO DE LOS TOROS	URUGUAY
47598	C	ONAHAMA	JAPAN	42492	T	PATNA	INDIA
91699	C	ONO-I-LAU	FIJI	82791	C	PATOS	BRAZIL
87016	C	ORAN AERO	ARGENTINA	06610	T	PAYERNE	SWITZERLAND
60490	C	ORAN/ES SENIA	ALGERIA	12942	C	PECS/POGANY	HUNGARY
35121	CT	ORENBURG	RUSSIAN FEDERATION	86097	C	PEDRO JUAN CABALLERO	PARAGUAY
01241	CT	ORLAND	NORWAY	87544	C	PEHUAJO AERO	ARGENTINA
72205	C	ORLANDO/JETPORT,FL.	USA	48601	CT	PENANG/BAYANLEPAS	MALAYSIA
40712	C	ORUMIEH	IRAN, ISLAMIC REP	72688	C	PENDLETON,OR.	USA
85242	C	ORURO	BOLIVIA	72532	C	PEORIA/GREATERPEORIA, IL.	USA
47772	C	OSAKA	JAPAN	80210	C	PEREIRA/MATECANA	COLOMBIA
47122	T	OSAN AB	REP KOREA	87852	C	PERITO MORENO AERO	ARGENTINA
10480	C	OSCHATZ	GERMANY	07747	C	PERPIGNAN	FRANCE
47675	C	OSHIMA	JAPAN	94610	CT	PERTH AIRPORT	AUSTRALIA
01384	C	OSLO/GARDERMOEN	NORWAY	41530	C	PESHAWAR	PAKISTAN
85782	C	OSORNO	CHILE	82983	C	PETROLINA	BRAZIL
11782	C	OSTRAVA/MOSNOV	CZECH REP	32540	T	PETROPAVLOVSK-KAMCATSKIJ	RUSSIAN FEDERATION
20674	CT	OSTROV DIKSON	RUSSIAN FEDERATION	72408	C	PHILADELPHIA/INT.,PA.	USA
21432	C	OSTROV KOTEL'NYJ	RUSSIAN FEDERATION	48378	C	PHITSANULOK	THAILAND
20069	C	OSTROV VIZE	RUSSIAN FEDERATION	72278	C	PHOENIX/SKY HARBOR INTL., AZ.	USA

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78970	CT	PIARCO INT. AIRPORT,TRINIDAD	TRINIDAD AND TOBAGO	16245	T	PRATICA DI MARE	ITALY
68174	C	PIETERSBURG	SOUTH AFRICA	86065	C	PRATS-GIL	PARAGUAY
87679	C	PIGUE AERO	ARGENTINA	68262	C	PRETORIA	SOUTH AFRICA
86255	C	PILAR	PARAGUAY	11659	C	PRIBYSLAV	CZECH REP
87349	C	PILAR OBSERVATORIO	ARGENTINA	11423	C	PRIMDA	CZECH REP
16158	C	PISA/S. GIUSTO	ITALY	71869	C	PRINCE ALBERT,SASK.	CANADA
72520	C	PITTSBURGH/GREATERPITT.,PA.	USA	04390	C	PRINS CHRISTIANSUND	GREENLAND
61990	C	PLAISANCE(MAURITIUS)	MAURITIUS	72507	C	PROVIDENCE/GREENSTATE, RI.	USA
07117	C	PLOUMANACH	FRANCE	80002	C	PROVIDENCIA (ISLA)/EL EMBRUJ	COLOMBIA
65518	C	PO	BURKINA FASO	85574	C	PUDAHUEL	CHILE
72578	C	POCATELLO/NUM.,ID.	USA	80457	C	PUERTO AYACUCHO	VENEZUELA
13463	C	PODGORICA-GRAD	YUGOSLAVIA	80139	C	PUERTO CARRENO/A.GUAUQUEA	COLOMBIA
61612	C	PODOR	SENEGAL	86086	C	PUERTO CASADO	PARAGUAY
47138	CT	POHANG	REP KOREA	87896	C	PUERTO DESEADO AERO	ARGENTINA
64400	C	POINTE-NOIRE	CONGO	78767	C	PUERTO LIMON	COSTA RICA
07335	C	POITIERS	FRANCE	85799	CT	PUERTO MONTT	CHILE
91348	C	PONAPE, CAROLINE ISLANDS.	USA	85289	C	PUERTO SUAREZ	BOLIVIA
71095	C	POND INLET, N.W.T.	CANADA	85934	CT	PUNTA ARENAS	CHILE
83702	C	PONTA PORA	BRAZIL	87596	C	PUNTA INDIO B.A.	ARGENTINA
43063	C	POONA	INDIA	47159	C	PUSAN	REP KOREA
11952	T	POPRAD-GANOVCE	SLOVAKIA	56137	C	QAMDO	CHINA
11934	C	POPRAD/TATRY	SLOVAKIA	54857	C	QINGDAO	CHINA
80421	C	PORLAMAR (AEROPUERTO INT. DE	VENEZUELA	50745	C	QIQIHAR	CHINA
43333	CT	PORT BLAIR	INDIA	67283	C	QUELIMANE	MOZAMBIQUE
68842	CT	PORT ELIZABETH	SOUTH AFRICA	41660	C	QUETTA AIRPORT	PAKISTAN
71109	CT	PORT HARDY UA,B.C.	CANADA	80144	C	QUIBDO/EL CARANO	COLOMBIA
94312	CT	PORT HEDLAND AIRPORT	AUSTRALIA	72797	C	QUILLA YUTE, WA.	USA
62641	C	PORT SUDAN	SUDAN	85543	C	QUINTERO	CHILE
71197	C	PORT-AUX-BASQUES,NFLD.	CANADA	82586	C	QUIXERAMOBIM	BRAZIL
61998	CT	PORT-AUX-FRANCAIS(ILES KERG	OCEAN ISLANDS	60135	C	RABAT-SALE	MOROCCO
72698	C	PORTLAND/INT.,OR.	USA	40362	C	RAFHA	SAUDI ARABIA
72606	C	PORTLAND/INTNL.JET PORT, ME	USA	72306	C	RALEIGH/RALEIGH-DURHAMNC.	USA
83967	C	PORTO ALEGRE	BRAZIL	93994	C	RAOUL ISLAND KERMADECIS.	N ZEALAND
83971	T	PORTO ALEGRE (AERO- PORTO)	BRAZIL	91958	CT	RAPA	FRENCH POLY.
82825	C	PORTO VELHO	BRAZIL	72662	C	RAPID CITY/REGIONAL AIRPORT,	USA
82824	T	PORTO VELHO (AEROPORTO)	BRAZIL	91843	C	RAROTONGA	COOK ISLANDS
08546	C	PORTO/SERRADO PILAR	PORTUGAL	22602	C	REBOLY	RUSSIAN FEDERATION
87178	C	POSADAS AERO.	ARGENTINA	82900	CT	RECIFE (CURADO)	BRAZIL
83332	C	POSSE	BRAZIL	87270	C	RECONQUISTA AERO	ARGENTINA
10379	C	POTSDAM	GERMANY	07070	C	REIMS	FRANCE
12330	C	POZNAN	POLAND	07130	C	RENNES	FRANCE
48500	C	PRACHUAP KHIRIKHAN	THAILAND	72488	C	RENO/INT.,NV.	USA
11520	CT	PRAHA-LIBUS	CZECH REP	87155	CT	RESISTENCIA AERO.	ARGENTINA
11518	C	PRAHA/RUZYNE	CZECH REP	71924	CT	RESOLUTE UA, N.W.T.	CANADA

STATION LIST RECENT DATA

04030	C	REYKJAVIK	ICELAND	86360	C	SALTO	URUGUAY
85043	C	RIBERALTA	BOLIVIA	86210	C	SALTOS DEL GUAIRA	PARAGUAY
72401	C	RICHMOND/BYRD,VA.	USA	83229	CT	SALVADOR	BRAZIL
91948	C	RIKITEA	FRENCH POLY.	11150	C	SALZBURG-FLUGHAFEN	AUSTRIA
44203	C	RINCHINHUMBE	MONGOLIA	35925	C	SAM	KAZAKHSTAN
82915	C	RIO BRANCO	BRAZIL	17030	CT	SAMSUN	TURKEY
87736	C	RIO COLORADO	ARGENTINA	61277	C	SAN	MALI
87453	C	RIO CUARTO AERO	ARGENTINA	80001	C	SAN ANDRES (ISLA)/SESQUICENT	COLOMBIA
87925	C	RIO GALLEGOS AERO	ARGENTINA	72263	C	SAN ANGELO/MATHIS,TX.	USA
80112	C	RIONEGRO/J.M.CORDOVA	COLOMBIA	80447	C	SAN ANTONIO DEL TACHIRA	VENEZUELA
72411	C	ROANOKE/MUN.,VA.	USA	87784	C	SAN ANTONIO OESTE AERO	ARGENTINA
85268	C	ROBORE	BOLIVIA	72253	C	SAN ANTONIO/INT.,TX.	USA
86565	C	ROCHA	URUGUAY	72290	C	SAN DIEGO/LINDBERGH,CA.	USA
72644	C	ROCHESTER/MUN.,MN.	USA	80450	C	SAN FERNANDE DE APURE	VENEZUELA
72529	C	ROCHESTER/R-MONROECTY., NY.	USA	72494	C	SAN FRANCISCO/INTL,CA.	USA
94374	C	ROCKHAMPTON AERO	AUSTRALIA	85207	C	SAN IGNACIO DE VELASCO	BOLIVIA
61988	C	RODRIGUES	MAURITIUS	85104	C	SAN JOAQUIN	BOLIVIA
06190	C	ROENNE	DENMARK & FAROE IS.	85247	C	SAN JOSE DE CHIQUITOS	BOLIVIA
87480	C	ROSARIO AERO	ARGENTINA	87311	C	SAN JUAN AERO	ARGENTINA
03957	C	ROSSLARE	IRELAND	86260	C	SAN JUAN BAUTISTA MISIONES	PARAGUAY
10170	C	ROSTOCK-WARNEMUENDE	GERMANY	80431	C	SAN JUAN DE LOS MORROS	VENEZUELA
34731	T	ROSTOV-NA-DONU	RUSSIAN FEDERATION	78526	C	SAN JUAN/INTL, PUERTO RICO	PUERTO RICO AND US
89062	C	ROTHERA POINT	U KINGDOM N	87909	C	SAN JULIAN AERO	ARGENTINA
91650	C	ROTUMA	FIJI	87436	C	SAN LUIS AERO	ARGENTINA
07037	C	ROUEN	FRANCE	86185	C	SAN PEDRO	PARAGUAY
51777	C	RUOQIANG	CHINA	87509	C	SAN RAFAEL AERO	ARGENTINA
85141	C	RURRENABAQUE	BOLIVIA	08027	C	SAN SEBASTIAN/IGUELDO	SPAIN
28966	C	RUZAEVKA	KAZAKHSTAN	96491	C	SANDAKAN	MALAYSIA
96001	C	SABANG/CUTBAU	INDONESIA	71101	C	SANDSPIT,B.C.	CANADA
71600	CT	SABLE ISLAND,N.S.	CANADA	17270	C	SANLIURFA	TURKEY
72483	C	SACRAMENTO/EXECUTIVECA.	USA	85123	C	SANTA ANA	BOLIVIA
06680	C	SAENTIS	SWITZERLAND	60020	C	SANTA CRUZ DE TENE- RIFE, CM	SPAIN
42671	C	SAGAR	INDIA	85245	C	SANTA CRUZ/EL TROMPILLO	BOLIVIA
47740	C	SAIGO	JAPAN	80462	C	SANTA ELENA DE UAIREN	VENEZUELA
44336	C	SAIKHAN-OVOO	MONGOLIA	80009	C	SANTA MARTA/SIMON BOLIVAR	COLOMBIA
61980	C	SAINT-DENIS/GILLOT(REUNION)	OCEAN ISLANDS	87623	C	SANTA ROSA AERO	ARGENTINA
61600	C	SAINT-LOUIS	SENEGAL	08023	CT	SANTANDER	SPAIN
08594	T	SAL ISLAND	CAPE VERDE	87129	C	SANTIAGO DEL ESTERO AERO.	ARGENTINA
41316	T	SALALAH	OMAN	85577	C	SANTIAGO QUINTA NORMAL	CHILE
08202	C	SALAMANCA/MATACAN	SPAIN	82106	C	SAO GABRIEL DA CACHOEIRA	BRAZIL
23330	CT	SALEHARD	RUSSIAN FEDERATION	82280	C	SAO LUIZ	BRAZIL
72572	C	SALT LAKE CITY/INTL, UT.	USA	83781	C	SAO PAULO	BRAZIL
87047	C	SALTA AERO	ARGENTINA	47412	CT	SAPPORO	JAPAN
76390	C	SALTILLO,COAH	MEXICO	34172	C	SARATOV	RUSSIAN FEDERATION

STATION LIST RECENT DATA

41594	C	SARGODHA	PAKISTAN	33946	C	SIMFEROPOL'	UKRAINE
65599	C	SASSANDRA	COTE D'IVOIRE	48698	CT	SINGAPORE/CHANGIAIRPORT	SINGAPORE
72734	C	SAULT STE. MARIE, MI.	USA	72557	C	SIOUX CITY/MUN.,IA.	USA
97900	C	SAUMLAKI	INDONESIA	72651	C	SIOUX FALLS/FOSS FIELD, SD.	USA
72207	C	SAVANNAH/MUNICIPAL,GA.	USA	71842	C	SIOUX LOOKOUT,ONT.	CANADA
48947	C	SAVANNAKHET	LAO PDR	17090	C	SIVAS	TURKEY
65335	C	SAVE	BENIN	62417	C	SIWA	EGYPT
48938	C	SAYABOURY	LAO PDR	71069	C	SLAVE LAKE, ALTA	CANADA
71828	C	SCHEFFERVILLE,QUE.	CANADA	11903	C	SLIAC	SLOVAKIA
10035	CT	SCHLESWIG	GERMANY	71950	C	SMITHERS,B.C.	CANADA
10552	C	SCHMUECKE	GERMANY	02836	CT	SODANKYLA	FINLAND
10162	C	SCHWERIN	GERMANY	15614	CT	SOFIA (OBSERV.)	BULGARIA
98430	C	SCIENCE GARDEN	PHILIPPINES	65361	C	SOKODE	TOGO
72793	C	SEATTLE/S.-TACOMA,WA.	USA	63962	C	SONGEA	U REP TANZANIA
41256	T	SEEB, INTERNATIONALAIRPORT	OMAN	48568	CT	SONGKHLA	THAILAND
61272	C	SEGOU	MALI	11146	C	SONNBlick	AUSTRIA
25703	CT	SEJMCHAN	RUSSIAN FEDERATION	16746	C	SOUDA (AIRPORT)	GREECE
36177	C	SEMIPALATINSK	KAZAKHSTAN	72535	C	SOUTH BEND/ST.JOSEPHCO.,IN.	USA
62762	C	SENNAR	SUDAN	72785	C	SPOKANE/INT.,WA.	USA
48948	C	SENO	LAO PDR	68512	CT	SPRINGBOK	SOUTH AFRICA
47108	C	SEOUL	REP KOREA	72439	C	SPRINGFIELD/CAPITAL,IL.	USA
71811	T	SEPT-ILES UA,QUE.	CANADA	42027	CT	SRINAGAR	INDIA
61976	C	SERGE-FROLOW(ILE TROMELIN)	OCEAN ISLANDS	61986	C	ST. BRANDON(ST. RAPHAEL)	MAURITIUS
08391	C	SEVILLA/SANPABLO	SPAIN	61901	CT	ST. HELENA IS.	OCEAN ISLANDS
63980	C	SEYCHELLESINT. AIRPORT	SEYCHELLES	72434	C	ST. LOUIS/LAMBERT,ST., MO.	USA
58362	CT	SHANGHAI	CHINA	70308	C	ST. PAUL	USA
03962	C	SHANNON AIRPORT	IRELAND	26063	CT	ST. PETERBURG	RUSSIAN FEDERATION
59316	C	SHANTOU	CHINA	11028	C	ST. POELTEN	AUSTRIA
41136	C	SHARURAH	SAUDI ARABIA	71801	T	ST.JOHN'S UA,NLFD	CANADA
70414	T	SHEMYA AFB	USA	83997	C	ST.VITORIADO PALMAR	BRAZIL
54342	C	SHENYANG	CHINA	01415	CT	STAVANGER/SOLA	NORWAY
72666	C	SHERIDAN/COUNTY,WY.	USA	71815	T	STEPHENVILLEUA,NFLD	CANADA
47898	C	SHIMIZU	JAPAN	72403	T	STERLING, VA.	USA
47778	CT	SHIONOMISAKI	JAPAN	80475	C	STO.DOMINGO(B.A.)	VENEZUELA
40848	C	SHIRAZ	IRAN, ISLAMIC REP	03026	C	STORNOWAY	U KINGDOM
72248	C	SHREVEPORT/REG.,LA.	USA	07190	C	STRASBOURG	FRANCE
41600	C	SIALKOT	PAKISTAN	10738	C	STUTTGART-ECHTERDINGEN	GERMANY
26524	C	SIAULIAI	LITHUANIA	10739	T	STUTTGART/SCHNARRENBERG	GERMANY
64405	C	SIBITI	CONGO	85283	C	SUCRE	BOLIVIA
15260	C	SIBIU	ROMANIA	15360	C	SULINA	ROMANIA
96421	C	SIBU	MALAYSIA	97260	C	SUMBAWA BESAR/SUMBAWABESAR	INDONESIA
17210	C	SIIRT	TURKEY	02365	T	SUNDSVALL-HARNOSANDFPL	SWEDEN
61297	C	SIKASSO	MALI	24738	C	SUNTAR	RUSSIAN FEDERATION
42619	C	SILCHAR	INDIA	98653	C	SURIGAO	PHILIPPINES

STATION LIST RECENT DATA

47421	C	SUTTSU	JAPAN	56739	C	TENGCHONG	CHINA
01008	C	SVALBARDLUFTHAVN	NORWAY	94238	C	TENNANTCREEK MET OFFICE	AUSTRALIA
94767	C	SYDNEY AIRPORT	AUSTRALIA	83492	C	TEOFILO OTONI	BRAZIL
23804	CT	SYKTYVKAR	RUSSIAN FEDERATION	76556	C	TEPIC,NAY	MEXICO
89532	CT	SYOWA	JAPAN N	82578	C	TERESINA	BRAZIL
72519	C	SYRACUSE/HANCOCK,NY.	USA	61202	C	TESSALIT	MALI
12205	C	SZCZECIN	POLAND	60318	C	TETUAN/SANIARAMEL	MOROCCO
12982	CT	SZEGED	HUNGARY	48946	C	THAKHEK	LAO PDR
63832	C	TABORA AIRPORT	U REP TANZANIA	71867	CT	THE PAS, MAN.	CANADA
40706	C	TABRIZ	IRAN, ISLAMIC REP	16622	C	THESSALONIKI/MIKRA	GREECE
40375	CT	TABUK	SAUDI ARABIA	43371	CT	THIRUVANANTHAPURAM	INDIA
98550	C	TACLOBAN	PHILIPPINES	71079	C	THOMPSON WEATHER OFFICE-MAN.	CANADA
47133	C	TAEJON	REP KOREA	06011	CT	THORSHAVN	DENMARK & FAROE IS.
98644	C	TAGBILARAN	PHILIPPINES	61036	C	TILLABERY	NIGER
83235	C	TAGUATINGA	BRAZIL	81002	C	TIMEHRI CHEDDI JAGAN INTERNA	GUYANA
91938	CT	TAHITI-FAAA	FRENCH POLY.	15247	C	TIMISOARA	ROMANIA
61043	C	TAHOUA	NIGER	02366	C	TIMRA/MIDLANDA	SWEDEN
41036	C	TAIF	SAUDI ARABIA	60656	C	TINDOUF	ALGERIA
45011	C	TAIPA	MACAU	03100	C	TIREE	U KINGDOM
53772	C	TAIYUAN	CHINA	28275	C	TOBOL'SK	RUSSIAN FEDERATION
47891	C	TAKAMATSU	JAPAN	47662	C	TOKYO	JAPAN
91943	C	TAKAROA	FRENCH POLY.	72536	C	TOLEDO/EXPRESS,OH.	USA
72214	C	TALLAHASSEE/MUN.,FL.	USA	76675	C	TOLUCA,MEX	MEXICO
26038	C	TALLINN	ESTONIA	61223	C	TOMBOUCTOU	MALI
60680	C	TAMANRASSET	ALGERIA	76382	C	TORREON,COAH.	MEXICO
67095	C	TAMATAVE	MADAGASCAR	08238	C	TORTOSA	SPAIN
61687	C	TAMBACOUNDA	SENEGAL	44225	C	TOSONTSENGEL	MONGOLIA
38413	C	TAMDY	UZBEKISTAN	07630	C	TOULOUSE/BLAGNAC	FRANCE
72211	C	TAMPA/INT.,FL.	USA	94294	CT	TOWNSVILLEAERO	AUSTRALIA
76548	C	TAMPICO, TAMP	MEXICO	16429	C	TRAPANI/BIRGI	ITALY
87645	C	TANDIL AERO	ARGENTINA	86500	C	TREINTA Y TRES	URUGUAY
47837	C	TANEGASHIMA	JAPAN	87828	C	TRELEW AERO	ARGENTINA
60101	C	TANGER(AERODROME)	MOROCCO	87688	C	TRES ARROYOS	ARGENTINA
76903	C	TAPACHULA,CHIS.	MEXICO	83618	C	TRES LAGOAS	BRAZIL
96509	C	TARAKAN/JUWATA	INDONESIA	10609	C	TRIER-PETRISBERG	GERMANY
44230	C	TARIALAN	MONGOLIA	43418	C	TRINCOMALEE	SRI LANKA
23552	C	TARKO-SALE	RUSSIAN FEDERATION	83650	T	TRINDADE(ILHA)	BRAZIL
26242	C	TARTU	ESTONIA	85154	C	TRINIDAD	BOLIVIA
38457	C	TASHKENT	UZBEKISTAN	40103	C	TRIPOLI	LEBANON
04360	C	TASIILAQ (AMASSALIK)	GREENLAND	01025	C	TROMSO/LANGNES	NORWAY
47646	T	TATENO	JAPAN	91334	C	TRUK, CAROLINE IS.	USA
96481	CT	TAWAU	MALAYSIA	44282	C	TSETSERLEG	MONGOLIA
40754	C	TEHRAN-MEHRABAD	IRAN, ISLAMIC REP	44347	C	TSOGT-OVOO	MONGOLIA
85743	C	TEMUCO	CHILE	91954	C	TUBUAI	FRENCH POLY.

STATION LIST RECENT DATA

72274	C	TUCSON/INT.,AZ.	USA	24266	CT	VERHOJANSK	RUSSIAN FEDERATION
87121	C	TUCUMAN AERO	ARGENTINA	89063	C	VERNADSKY	UKRAINE
98233	C	TUGUEGARAO	PHILIPPINES	16090	C	VERONA/VILAFRANCA	ITALY
76634	C	TULANCINGO,HGO.	MEXICO	72255	C	VICTORIA/VICTORIAREG., TX.	USA
67161	C	TULEAR	MADAGASCAR	87791	C	VIEDMA AERO	ARGENTINA
60715	C	TUNIS-CARTHAGE	TUNISIA	48940	C	VIENTIANE	LAO PDR
24507	CT	TURA	RUSSIAN FEDERATION	08045	C	VIGO/PEINADOR	SPAIN
40356	C	TURAIIF	SAUDI ARABIA	83208	T	VILHENA (AEROPORTO)	BRAZIL
38507	C	TURKMENBASHI	TURKMENISTAN	24641	C	VILJUSK	RUSSIAN FEDERATION
02972	C	TURKU	FINLAND	60096	C	VILLA CISNEROS	WESTERN SAHARA
23472	CT	TURUHANSK	RUSSIAN FEDERATION	87244	C	VILLA DE MARIA DEL RIO SECO	ARGENTINA
48407	T	UBON RATCHATHANI	THAILAND	87328	C	VILLA DOLORES AERO	ARGENTINA
06447	CT	UCCLE	BELGIUM	87448	C	VILLA REYNOLDS AERO	ARGENTINA
16045	C	UDINE/RIVOLTO	ITALY	11212	C	VILLACHERALPE	AUSTRIA
48354	C	UDON THANI	THAILAND	76743	C	VILLAHERMOSA,TAB	MEXICO
44214	C	UIGI	MONGOLIA	86233	C	VILLARRICA	PARAGUAY
97180	C	UJUNG PANDANG/HASANUDDIN	INDONESIA	80234	C	VILLA VICENCIO/VANGUARDIA	COLOMBIA
44292	C	ULAAN-BAATOR	MONGOLIA	26730	C	VILNIUS	LITHUANIA
44212	C	ULAAN-GOM	MONGOLIA	02590	C	VISBY FLYGLATS	SWEDEN
44272	C	ULIASTAI	MONGOLIA	83648	C	VITORIA	BRAZIL
47115	C	ULLUNGDO	REP KOREA	83344	C	VITORIA DA CONQUISTA	BRAZIL
44304	C	UNDERKHAAN	MONGOLIA	31960	C	VLADIVOSTOK	RUSSIAN FEDERATION
68424	C	UPINGTON	SOUTH AFRICA	27037	CT	VOLOGDA	RUSSIAN FEDERATION
47426	C	URAKAWA	JAPAN	22837	C	VYTEGRA	RUSSIAN FEDERATION
51463	CT	URUMQI	CHINA	72256	C	WACO,MADISON-COOPER,TX.	USA
17188	C	USAK	TURKEY	62751	C	WAD MEDANI	SUDAN
87938	C	USHUAIA AERO	ARGENTINA	03377	C	WADDINGTON	U KINGDOM
30635	C	UST'-BARGUZIN	RUSSIAN FEDERATION	41061	C	WADI AL DAWASSER AIRPORT	SAUDI ARABIA
25325	C	UST'-OLOJ	RUSSIAN FEDERATION	62600	C	WADI HALFA	SUDAN
61995	T	VACOAS(MAURITIUS)	MAURITIUS	94910	CT	WAGGA AIRPORT	AUSTRALIA
85766	C	VALDIVIA	CHILE	47600	CT	WAJIMA	JAPAN
80472	C	VALENCIA	VENEZUELA	47401	CT	WAKKANAI	JAPAN
08284	C	VALENCIA/AEROPUERTO	SPAIN	12375	C	WARSZAWA-OKECIE	POLAND
03953	CT	VALENTIA OBSERVATORY	IRELAND	72405	C	WASHINGTON/NAT.,VA.	USA
80426	C	VALERA	VENEZUELA	40400	C	WEJH	SAUDI ARABIA
08141	C	VALLADOLID	SPAIN	72203	C	WEST PALM BEACH/INT.,FL.	USA
03302	C	VALLEY	U KINGDOM	10055	CT	WESTERMARKELSDORF	GERMANY
17170	C	VAN	TURKEY	71964	CT	WHITEHORSE,UA, Y.T.	CANADA
01098	C	VARDO	NORWAY	72351	C	WICHITA FALLS/SHEPS AFB TX	USA
15552	C	VARNA	BULGARIA	11035	CT	WIEN/HOHEWARTE	AUSTRIA
26477	C	VELIKIE LUKI	RUSSIAN FEDERATION	72513	C	WILKES-BARRE-SCRANTON PA.	USA
26314	C	VENTSPILS	LATVIA	94776	CT	WILLIAMTOWN AERODROME	AUSTRALIA
83264	C	VERA (GLEBA CELESTE)	BRAZIL	94299	CT	WILLIS ISLAND	AUSTRALIA
42909	C	VERAVAL	INDIA	72767	C	WILLISTON/SLOULINFIELD, ND.	USA

STATION LIST RECENT DATA

72583	C	WINNEMUCCA/MUN.,NV.	USA
10474	C	WITTENBERG	GERMANY
12497	C	WLODAWA	POLAND
12425	T	WROCLAWI	POLAND
12424	C	WROCLAWII	POLAND
57036	C	XI'AN	CHINA
56571	C	XICHANG	CHINA
85365	C	YACUIBA	BOLIVIA
72781	C	YAKIMA/YAKIMAAIR TERM.,WA.	USA
70361	CT	YAKUTAT	USA
54292	C	YANJI	CHINA
91413	C	YAP, CAROLINEIS.	USA
71603	CT	YARMOUTH,N.S.	CANADA
40439	C	YENBO	SAUDI ARABIA
57461	C	YICHANG	CHINA
53614	C	YINCHUAN	CHINA
51431	C	YINING	CHINA
47744	T	YONAGO	JAPAN
47168	C	YOSU	REP KOREA
72525	C	YOUNGSTOWN,OH.	USA
98836	C	ZAMBOANGA	PHILIPPINES
44358	C	ZAMYN-UUD	MONGOLIA
81225	C	ZANDERIJ	SURINAME
08160	C	ZARAGOZA/AEROPUERTO	SPAIN
57083	C	ZHENGZHOU	CHINA
57745	C	ZHIJIANG	CHINA
41620	C	ZHOB	PAKISTAN
61695	C	ZIGUINCHOR	SENEGAL
61090	C	ZINDER	NIGER
17022	C	ZONGULDAK	TURKEY
10961	C	ZUGSPITZE	GERMANY
06660	C	ZURICH (TOWN/VILLE).	SWITZERLAND
25400	C	ZYRJANKA	RUSSIAN FEDERATION

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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

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Local Climatological Data

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

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