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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**

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Oceanic and  
Atmospheric Administration

National  
Environmental Satellite, Data  
and Information Service

National  
Climatic Data Center  
Asheville, North Carolina

## PREFACE

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

## REFERENCE NOTES

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

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

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

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

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

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

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

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

## **SURFACE DATA TABLES**

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

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

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

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

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

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

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

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

## **UPPER AIR DATA TABLES**

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

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

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

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

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# SURFACE

JUNE 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.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
<b>EUROPE</b>																
<b>NORWAY</b>																
01001 JAN MAYEN	7056N	00840W	9		1014.9	1016.1	3.5	1.5	7.0	.8	3	48	13	4		
01008 SVALBARD LUFTHAVN	7815N	01528E	29		1010.7	1014.0	2.8	1.0	6.0	.7	1	3	-8	1		
01025 TROMSO/LANGNES	6941N	01855E	10		1012.7	1013.7	9.4	.2	8.6	.2	7	31	-24	2		
01028 BJORNOYA	7431N	01901E	16		1013.8	1015.8	2.0	.2	6.3	-.1	1	4	-19	0		
01098 VARDØ	7022N	03106E	15		1012.7	1014.5	5.5	-.7	7.3	-.8	3	18	-24	1	260	115
01152 BODØ VI	6715N	01422E	20		1011.8	1013.4	10.7	.3	9.6	.2	9	45	-9	3		
01241 ORLAND III	6342N	00936E	7		1011.6	1012.7	13.0	1.6	11.3	.3	9	40	-26	2		
01317 BERGEN/FLORIDA	6023N	00520E	36		1008.2	1012.5	14.5	1.0	12.7	1.5	17	217	85	5		
01384 OSLO/GARDERMOEN	6012N	01105E	204		987.5	1011.5	15.0	.9	10.9	.8	12	65	-8	3		
01415 STAVANGER/SOLA	5853N	00538E	9		1012.1	1013.1	13.9	1.1	13.1	1.6	12	100	27	5		
<b>SWEDEN</b>																
02080 KARESUANDO	6826N	02230E	325		973.0	1012.5	10.2	-.1	8.0	-.7	7	29	-13	2	186	70
02128 GUNNARN	6458N	01742E	281		978.5	1012.0	12.4	-.5	8.8	-.2	6	30	-24	1		
02196 HAPARANDA	6550N	02409E	6		1011.0	1011.7	12.9	.1	9.4	-.9	3	11	-30	1	278	88
02226 FROSON	6312N	01430E	360		967.9	1012.2	12.3	.5	10.1	.8	7	57	0	3	248	101
02366 TIMRA/MIDLANDA	6231N	01727E	7		1011.1	1011.5	12.7	-.7	10.7	.5	11	59	16	4		
02418 KARLSTAD FLYGPLATS	5922N	01328E	50		999.1	1011.8	15.7	1.0	12.1	.5	12	100	47	5	242	85
02512 GÖTEBORG/SAVE	5747N	01153E	16				15.6	.7			11	86	25	4	238	89
02550 JONKÖPING/AXAMÖ	5745N	01405E	218		985.7	1012.3	14.3	.4	11.8	1.0	10	69	17	4		
02590 VISBY FLYGPLATS	5740N	01821E	41		1006.1	1012.1	14.8	.5	12.1	.1	6	37	6	4	316	103
<b>FINLAND</b>																
02801 KILPISJARVI	6903N	02047E	476		954.4	1013.6	7.7		7.3		5	17		2		
02805 KEVO	6945N	02702E	101		1001.3	1013.9	9.1		6.9			3		0	289	125
02836 SODANKYLÄ	6722N	02639E	179		990.1	1012.5	10.7	-.9	7.2		6	30	-26	1	318	113
02869 KUUSAMO	6558N	02911E	263		979.3	1012.2	9.5	-2.2	7.4		6	20	-41	1		
02875 OULU	6456N	02522E	15		1009.7	1011.5	12.7	-.8	8.9		4	10	-33	1	242	85
02897 KAJAANI	6417N	02741E	136		994.8	1011.6	11.1	-2.2	8.5		4	30	-26	1		
02929 JOENSUU	6240N	02938E	117		995.7	1010.6	11.3	-2.9	8.8		6	37	-24	1		
02935 JYVÄSKYLÄ	6224N	02541E	145		993.1	1010.6	11.9	-2.2	9.4		11	74	18	4	226	84
02942 NIINISALO	6151N	02228E	136		995.1	1010.7	13.0	-1.0	9.6		8	59	6	4		
02963 JOKIOINEN	6049N	02330E	103		997.5	1010.3	12.9	-1.4	9.9		8	72	25	4	216	78
02972 TURKU	6031N	02216E	59		1003.4	1010.8	13.7	-1.2	9.5		7	39	-4	3	234	82
02974 HELSINKI-VANTAA	6019N	02458E	56		1003.3	1010.4	13.3	-1.6	10.5		9	51	7	4	220	74
<b>UNITED KINGDOM</b>																
03005 LERWICK	6008N	00111W	84		1001.3	1011.2	11.8	1.8	12.3		15	90	30	5	99	66
03026 STORNOWAY	5813N	00619W	13		1008.0	1009.8	13.3	2.0	12.4		14	66	3	3	122	73
03066 KINLOSS	5739N	00334W	7		1010.4	1011.0	14.9	2.2	11.8		9	33	-16	2	162	100
03091 ABERDEEN/DYCE AIRPORT	5712N	00213W	65		1004.1	1011.9	14.4	2.3	11.7		8	21	-32	1	198	114
03100 TIRRE	5630N	00653W	12		1009.7	1010.7	13.0	1.1	12.8		15	69	8	4	169	87
03162 ESKDALEMUIR	5519N	00312W	242		984.4	1013.3	13.2	1.5	12.0		12	57	-37	1	181	115
03257 LEEMING	5418N	00132W	40		1010.0	1013.8	15.9	2.2	12.7		9	78	26	4	205	119

# SURFACE

JUNE 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.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
<b>03302 VALLEY</b>	5315N	00432W	11		1012.5	1013.7	14.7	1.1	13.4		11	59	7	4	205	99
03334 MANCHESTER AIRPORT	5321N	00217W	68		1005.8	1014.0	16.0	1.8	12.6		12	68	1	4	207	114
<b>03377 WADDINGTON</b>	5310N	00031W	68		1006.5	1014.6	16.4	2.5	13.1		13	95	42	5	173	88
03502 ABERPORTH	5208N	00434W	133		998.4	1014.3	14.4	1.4	13.3		9	47	-8	3	226	115
03740 LYNEHAM	5130N	00159W	145		998.0	1015.3	16.1	2.1	13.3		9	44	-13	3	221	110
03797 MANSTON	5121N	00121E	55		1010.0	1015.8	17.1	2.6	14.3		6	33	-14	2	232	106
<b>03808 CAMBORNE</b>	5013N	00519W	88		1005.0	1015.4	14.2		14.0		14	87		4	203	95
03862 BOURNEMOUTH AIRPORT	5047N	00150W	11		1014.6	1015.8	15.7	1.3	14.1		9	50	-4	3	235	109
03917 BELFAST/ALDERGROVE AIRPORT	5439N	00613W	81		1004.6	1012.1	14.3	1.1	12.3		13	50	-13	2	159	94
<b>IRELAND</b>																
03955 CORK AIRPORT	5151N	00829W	162		993.6	1012.9	13.3	.5	12.6	.4	11	115	47	5	216	125
03957 ROSSLARE	5215N	00620W	25		1010.4	1013.5	14.5	1.4	13.9	1.2	12	83	32	5	252	125
03962 SHANNON AIRPORT	5242N	00855W	20		1009.7	1012.1	15.3	1.4	12.8	.3	11	105	42	5	176	110
03967 CASEMENT AERODROME	5318N	00626W	93		1001.5	1012.6	14.4		12.9		6	57			174	100
03976 BELMULLET	5414N	01000W	10		1009.4	1010.6	14.0	1.2	13.1	.8	13	68	0	3	179	110
<b>03980 MALIN HEAD</b>	5522N	00720W	25		1008.1	1011.0	13.7	1.5	12.9	1.1	11	70	5	4	195	110
<b>ICELAND</b>																
04018 KEFLAVIKURFLUGVOLLUR	6358N	02236W	54		1001.7	1007.6	10.9	2.8	10.2	1.5	11	65	25	1		
04030 REYKJAVIK	6408N	02156W	61		1000.2	1007.6	11.3	2.3	10.1	1.0	17	85	35	3	146	91
04063 AKUREYRI	6541N	01805W	27		1006.2	1009.5	10.6	1.5	9.6	1.0	10	26	-2	1	151	86
04082 AKURNES	6418N	01513W	21		1006.9	1009.4	9.9	3.5	10.3	2.1	17	157	119	6		
<b>GREENLAND</b>																
04220 AASIAAT (EGEDESMINDE)	6842N	05251W	41			1010.7	5.9	3.2	7.0		3	6	-19			
<b>04250 NUUK (GODTHAAB)</b>	6410N	05145W	70			1010.1	5.7	1.8	7.5		6	53	-9			
04312 STATION NORD AWS	8136N	01641W	36			1013.2	1.2	1.9	5.2							
<b>04320 DANMARKSHAVN</b>	7646N	01840W	12			1014.4	2.3	1.6	5.3		0	0	-6			
04339 ILLOQQORTOORMIUT (SCORESBYSU)	7029N	02157W	69			1015.9	2.5		5.2		1	3	-13			
<b>04360 TASILAQ (AMASSALIK)</b>	6536N	03738W	52			1013.6	6.2	2.1	7.1		4	15	-35			
04390 PRINS CHRISTIAN SUND	6003N	04310W	75			1008.6	5.2	.9	6.9		9	95	-45			
<b>DENMARK &amp; FAROE IS.</b>																
<b>06011 THORSHAVN</b>	6201N	00646W	55			1009.7	10.2	1.2	11.5		13	104	37			
06030 AALBORG	5706N	00951E	13			1013.4	16.1	1.7	13.8		7	60				
<b>06186 KOEBENHAVN/LANDBOHOEJSKOLEN</b>	5541N	01233E	7			1014.4	16.6		13.9		7	43				
06190 ROENNE	5504N	01445E	16			1015.0	16.0	.8	14.6		1	3				
<b>NETHERLANDS</b>																
06235 DE KOOY	5255N	00447E	14		1015.9	1016.0	17.0	2.8	14.8	1.6	4	30	-18	2	255	119
<b>06260 DE BILT</b>	5206N	00511E	15		1015.7	1016.0	17.8	2.6	14.7	1.5	6	35	-35	1	254	132
<b>BELGIUM</b>																
06447 UCCLE	5048N	00421E	104		1004.2	1016.0	19.3	3.8	16.2	2.5	6	34	-44	1	258	139
<b>LUXEMBOURG</b>																
06590 LUXEMBOURG/LUXEMBOURG	4937N	00613E	379		972.9	1016.4	19.8		15.2		8	48	-34	3	283	135

# SURFACE

JUNE 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.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
<b>SWITZERLAND</b>																
06660 ZURICH (TOWN/VILLE) .	4723N	00834E	569		951.2	1015.1	22.5	7.0	16.3	3.4	9	58	-67	1	294	165
<b>06680 SAENTIS</b>	4715N	00921E	2500		757.9	3155.2	9.2	6.4	9.0	2.9	11	150	-143	1	219	149
06700 GENEVE-COINTRIN	4615N	00608E	416		968.5	1015.4	24.1	7.6	15.9	3.6	6	45	-39	2	324	153
06770 LUGANO	4600N	00858E	276		984.0	1015.3	24.8	6.4	19.1	4.5	7	126	-49	2	297	138
<b>FRANCE</b>																
07005 ABBEVILLE	5008N	00150E	77		1007.2	1016.4	17.0		15.7		12	150			222	110
07015 LILLE	5034N	00306E	52		1010.4	1016.1	18.6		14.9		8	49			229	110
07020 LA HAGUE	4943N	00156E	9		1014.6	1016.2	15.6		15.3		7	54				
07027 CAEN	4911N	00027W	78		1008.4	1016.3	17.8	3.2	15.5		9	57	5	3	233	110
07037 ROUEN	4923N	00111E	157		998.3	1015.9	18.1		15.5		8	62			227	120
07070 REIMS	4918N	00402E	99		1005.5	1016.2	19.5		16.8		8	57			243	110
07110 BREST	4827N	00425W	99		1004.8	1016.1	15.9	1.8	14.9		10	68	14	4	183	85
07117 PLOUMANACH	4850N	00328W	71		1009.2	1016.2	16.0		15.3		10	38				
<b>07130 RENNES</b>	4804N	00144W	37		1011.0	1016.1	19.5		15.4		7	34			238	115
07139 ALENCON	4827N	00007E	144		999.0	1015.8	19.1		15.5		6	36			250	120
07149 PARIS-ORLY	4844N	00224E	96		1005.4	1015.9	21.1		16.8		8	29				
<b>07190 STRASBOURG</b>	4833N	00738E	154		997.8	1015.4	22.6	5.7	18.1		9	76	2	3	288	136
07207 LE TALUT	4718N	00313W	43		1011.7	1016.7	17.9		14.7		9	39				
07222 NANTES	4710N	00136W	27		1013.0	1016.0	19.9	3.1	16.4		8	53	8	4	214	90
07255 BOURGES	4704N	00222E	166		996.5	1015.7	22.1	5.4	18.9		8	93	37	5	258	113
07280 DIJON	4716N	00505E	227		989.4	1015.4	23.2	6.1	17.5		6	36	-26	1	317	135
07299 BALE-MILHOUSE	4736N	00731E	271		984.1	1015.2	23.0		17.7		6	20			317	150
07314 CHASSIRON	4602N	00125W	22		1013.7	1016.4	19.7		19.3		5	30				
07335 POITIERS	4635N	00019E	129		1002.0	1015.8	21.4		17.6		7	62			265	120
07434 LIMOGES	4552N	00111E	402		969.7	1015.6	21.2		18.8		8	71			264	130
07460 CLERMONT-FERRAND	4547N	00310E	332		977.6	1015.0	23.2		17.7		8	50			278	135
07471 LE BUY	4505N	00346E	833		922.7		20.2		12.1		4	18			289	140
07481 LYON/SATOLAS	4544N	00505E	248		987.7	1015.0	25.4		15.6		3	18			325	140
07510 BORDEAUX/MERIGNAC	4450N	00042W	61		1009.6	1015.9	22.7		19.1		7	41	-15	2	249	110
07535 GOURDON	4445N	00124E	264		985.6	1015.4	23.3		18.7		4	25			267	115
07560 MONT AIGOUAL	4407N	00335E	1567		847.5		15.8		12.5		4	23		6		
07591 EMBRUN	4434N	00630E	876		917.8		21.5		12.5		6	27			301	120
07607 MONT-DE-MARSAN	4355N	00030W	63		1008.9	1016.0	22.9		20.1		7	48			210	105
<b>07630 TOULOUSE/BLAGNAC</b>	4338N	00122E	153		997.4	1015.5	24.2		19.0		3	37	-20	2	246	115
07643 MONTPELLIER	4335N	00358E	6		1014.5	1015.4	24.5		20.0		1	2			319	105
07661 CAP CEPET	4305N	00556E	136		999.9	1015.5	24.4		20.1		0	0				
07690 NICE	4339N	00712E	10		1012.0	1015.1	24.8		23.1		0	0	-36	0	346	115
07747 PERPIGNAN	4244N	00252E	48		1009.7	1015.1	24.7		19.5		4	7	-21	1	295	115
07761 AJACCIO	4155N	00848E	9		1014.3	1015.3	24.1		21.2		0	0	-19	0	386	120
07790 BASTIA	4233N	00929E	12		1013.8	1015.2	25.4		21.4		2	11			356	125
<b>SPAIN</b>																
08001 LA CORUNA	4322N	00825W	67		1008.0	1015.9	18.6	2.2	16.4	1.5	9	70	22	4	193	88
08015 OVIEDO	4321N	00552W	339		976.3	1015.4	18.3	2.4	17.3	2.7	13	70	15	4	139	86
08023 SANTANDER	4328N	00348W	59		1009.9	1016.8	19.0	2.0	19.1	3.9	6	48	-16	3	172	88
<b>08027 SAN SEBASTIAN/IGUELDO</b>	4318N	00203W	259		986.1	1016.0	20.0	3.9	18.9	3.6	10	57	-33	2	174	96
08045 VIGO/PEINADOR	4213N	00838W	255		987.2	1017.1	19.0	2.0	16.3	1.3	7	61	-14	3	248	95

# SURFACE

JUNE 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.
					mb	mb	°C	°C	mb	mb	mm	mm	hr	%		
08075 BURGOS/VILLAFRIA	4222N	00338W	891		916.0	1535 Y	21.1	6.1	14.0	1.6	4	10	-32	1	276	101
08084 LOGRONO/AGONCILLO	4227N	00220W	363		973.5	1014.3	24.1	5.3	16.4	3.7	6	23	-21	2	263	100
08141 VALLADOLID	4139N	00446W	739		931.3	1012.2	22.9	5.1	12.1	1.3	3	15	-21	2	336	109
08160 ZARAGOZA/AEROPUERTO	4140N	00101W	258		984.8	1013.7	26.6	5.5	16.1	2.8	3	24	-7	3	330	111
<b>08181 BARCELONA/AEROPUERTO</b>	4117N	00204E	6		1015.6	1016.1	25.1	5.4	22.8	5.2	0	0	-37	0	287	107
08184 GERONA/COSTA BRAVA	4154N	00246E	129		1000.5	1015.1	24.9	5.2	16.6	.4	3	12	-50	1		
<b>08202 SALAMANCA/MATACAN</b>	4057N	00530W	795		926.2	1013.7	21.6	3.8	12.2	-.4	4	26	-8	3	340	111
08221 MADRID/BARAJAS	4027N	00333W	582		948.4	1012.6	24.4	4.0	11.5	-1.3	3	6	-20	2	340	115
08238 TORTOSA	4049N	00030E	50		1008.9	1014.6	26.7	4.5	20.6	3.7	3	6	-30	1	315	115
08261 CACERES	3928N	00620W	405		969.8	1015.0	24.9	3.0	13.1	1.0	1	1	-28	1	337	105
<b>08280 ALBACETE/LOS LLANOS</b>	3857N	00151W	704		936.7	1013.7	24.5	4.5	15.3	2.9	2	3	-34	1	309	102
08284 VALENCIA/AEROPUERTO	3930N	00028W	62		1007.9	1015.0	25.8	4.1	19.7	2.6	2	8	-14	2	320	113
08306 PALMA DE MALLORCA/SON SAN JU	3933N	00244E	8		1015.2	1015.8	24.9	4.1	24.5	7.6	1	2	-12	3	384	124
08314 MENORCA/MAHON	3952N	00414E	82		1006.0	1015.9	25.4	4.6	21.7	4.5	0	T	-13	1	368	118
08330 BADAJOZ/TALAVERA LA REAL	3853N	00649W	192		993.0	1013.9	25.1	2.9	17.0	2.0	1	1	-22	1	343	110
08348 CIUDAD REAL	3859N	00355W	629		943.9	1012.8	26.5	5.7	13.8	-.3	2	4	-24	1	336	108
08359 ALICANTE	3822N	00030W	82		1005.8	1015.1	25.5	3.4	20.9	3.1	2	3	-19	1	310	101
08373 IBIZA/ES CODOLA	3852N	00123E	12		1013.7	1015.7	25.3	3.6	22.9	3.7	0	T	-13	1	334	109
08391 SEVILLA/SAN PABLO	3725N	00554W	31		1010.2	1013.7	27.0		17.6		0	T		2		
<b>08410 CORDOBA/AEROPUERTO</b>	3751N	00451W	92		1004.3	1014.7	26.9	3.7	17.9	2.7	0	T	-19	1	342	111
08433 MURCIA/SAN JAVIER	3747N	00048W	3		1014.6	1014.9	24.3	3.3			1	1	-14	2	315	123
08451 JEREZ DE LA FRONTERA AERO.	3645N	00604W	28		1012.2	1015.3	24.6	2.8	17.9	.8	2	2	-16	2	317	101
08482 MALAGA/AEROPUERTO	3640N	00429W	7		1013.7	1014.5	25.2	3.2	19.3	3.6	0	T	-13	2	343	109
08487 ALMERIA/AEROPUERTO	3651N	00223W	21		1011.3	1013.8	25.5	3.2	19.3	1.2	0	T	-7	5	317	98
<b>GIBRALTAR</b>																
08495 GIBRALTAR	3609N	00521W	5		1014.7	1015.3	23.1				0	0		1	325	100
<b>PORTUGAL</b>																
<b>08506 HORTA (ACORES)</b>	3831N	02838W	62		1012.8	1020.1	18.8	.2	17.7	.1	12	31	-18	2	205	118
08515 SANTA MARIA (ACORES)	3658N	02510W	100		1009.0	1020.9	19.9	1.1	18.2	1.3	1	7	-15	1		
<b>08535 LISBOA/GEOP</b>	3843N	00909W	95		1004.3	1015.4	21.7	1.5	18.7	3.0	1	5	-16	2	318	105
08546 PORTO/SERRA DO PILAR	4108N	00836W	100		1004.2	1015.9	19.7	1.6	16.4	.4	5	39	-14	1	258	94
08558 EVORA/C. COORD	3832N	00754W	246		986.8	1015.2	22.5		14.6		1	3				
08575 BRAGANCA	4148N	00644W	692		936.9	1015.0	21.2	3.5	13.6	1.4	4	41	3	4		
<b>GERMANY</b>																
10035 SCHLESWIG	5432N	00933E	48		1009.5	1015.2	16.4	1.8	14.2	1.5	10	86	15	4	239	104
10055 WESTERMARKELSDORF	5432N	01104E	9		1014.2	1015.2	16.7		15.2		9	40			266	100
10091 ARKONA	5441N	01326E	42		1010.1	1015.1	16.1		13.5		8	34			304	110
<b>10147 HAMBURG-FUHLBUETTEL</b>	5338N	00959E	15		1013.7	1015.5	17.7	2.2	14.1	1.2	8	42	-32	1	242	110
10162 SCHWERIN	5339N	01123E	68		1007.3	1015.4	18.0		13.4		7	68		4	272	120
10170 ROSTOCK-WARNEMUENDE	5411N	01205E	10		1013.5	1015.0	18.0	3.0	14.5	1.1	5	37	-22	2	275	111
10184 GREIFSWALD	5406N	01324E	6		1014.5	1015.2	17.5		14.2		7	39		2	281	110
10200 EMDEN-FLUGPLATZ	5323N	00714E	5		1015.2	1015.8	17.3		14.9		7	73			241	115
10261 SEEHAUSEN	5254N	01144E	23		1012.4	1015.1	18.9		12.3		5	25			276	125
10270 NEURUPPIN	5254N	01249E	39		1010.2	1015.5	19.1		13.9		5	27		1	297	130
10291 ANGERMUENDE	5302N	01400E	35		1008.8	1015.3	18.7		13.1		5	20			275	115
10338 HANNOVER	5228N	00941E	59		1009.1	1016.1	18.7	2.9	14.4	1.1	6	43	-30	1	270	130

# SURFACE

## JUNE 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.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
10361	MAGDEBURG	5208N	01136E	85	1006.0	1016.0	19.1		14.2		7	53		3	313	140
10379	POTSDAM	5223N	01304E	100	1004.0	1015.7	19.4	2.8	13.5	.4	6	43	-26	2	294	127
10384	BERLIN-TEMPELHOF	5228N	01324E	49	1009.7	1015.4	20.0		13.1		6	47			298	125
<b>10393</b>	<b>LINDENBERG</b>	5213N	01407E	104	1003.6	1015.8	19.4	2.9	13.2	.4	8	40	-25	2	295	129
10410	ESSEN	5124N	00658E	161	997.2	1016.1	19.0	3.3	15.0	2.0	6	88	-9	3	264	146
10453	BROCKEN	5148N	01037E	1153	886.7	1506 Y	12.7		11.2		6	71			235	140
10469	LEIPZIG-SCHKEUDITZ	5125N	01214E	149	1000.0	1015.8	19.8		14.1		8	66		4	314	155
10488	DRESDEN-KLOTZSCHE	5108N	01345E	232	988.9	1015.8	20.1		13.3		5	22			297	145
10499	GOERLITZ	5110N	01457E	240	987.6	1015.2	19.4	3.6	13.1	-1.1	5	26	-44	1	289	138
10548	MEININGEN	5034N	01023E	453	963.7	1015.6	19.1		13.7		6	22		1	308	155
10554	ERFURT-BINDERSLEBEN	5059N	01058E	322	978.4	1015.7	18.6		15.2		11	70			314	150
10567	GERA-LEUMNITZ	5053N	01208E	311	979.1	1015.1	19.3		13.8		7	33			316	155
10578	FICHTELBERG	5026N	01257E	1215	881.5	1521 Y	13.8	4.3	11.8	2.0	8	75	-34	2	269	149
10609	TRIER-PETRISBERG	4945N	00640E	273	984.1	1015.7	20.2	4.5	16.6	3.8	7	71	-2	3	287	139
10628	GEISENHEIM	4959N	00757E	123	1001.7	1015.9	21.7	4.7	16.0	3.0	4	20	-39	1	304	148
10727	KARLSRUHE	4902N	00822E	145	999.0	1015.8	23.0	5.5	18.1	4.3	7	61	-25	2	303	138
10738	STUTTGART- ECHTERDINGEN	4841N	00914E	391	970.9	1015.5	21.4		15.5		6	80		3	285	135
10763	NUERNBERG	4930N	01103E	318	979.2	1015.6	21.0	4.4	15.1	2.5	7	92	17	4	302	137
10870	MUENCHEN, FLUGHAFEN	4822N	01148E	447	964.4	1015.1	21.5	6.1	16.1	3.8	6	51	-58	1	318	152
10929	KONSTANZ	4741N	00911E	447	964.6	1015.1	23.1	6.8	17.9	4.6	7	57	-48	1	311	143
10946	KEMPTEN	4743N	01020E	705	936.0	1015.0	20.3		15.7		10	50			288	145
10961	ZUGSPITZE	4725N	01059E	2962	715.8	3145 Z	5.4	5.5	7.4	1.8	11	97	-88	1	197	129
<b>10962</b>	<b>HOHENPEIßENBERG</b>	4748N	01101E	986	906.2	1533 Y	19.3	6.6								
<b>AUSTRIA</b>																
11028	ST. POELTEN	4811N	01537E	284	981.9	1014.3	21.5		17.2	3.8	9	35	-52	1	248	108
11035	WIEN/HOHE WART	4814N	01621E	209	991.1	1015.1	22.5		18.0	4.2	7	30	-44	1	318	143
11120	INNSBRUCK-FLUGHAFEN	4716N	01121E	593	948.2	1015.1	20.9		17.0		10	115		4	277	145
<b>11146</b>	<b>SONNBLICK</b>	4703N	01257E	3111	704.8	3166 Z	4.7		7.5	2.0	21	161	-89	4	245	173
11150	SALZBURG-FLUGHAFEN	4748N	01300E	450	964.7	1015.8	21.5		16.0	3.1	11	87	-67	1	268	136
11155	FEUERKOGEL	4749N	01344E	1621	840.5	1525 Y	14.6		12.7		7	86		1	224	125
11212	VILLACHERALPE	4636N	01340E	2160	789.9	1541 Y	11.7		11.1		12	223		4	260	130
11231	KLAGENFURT-FLUGHAFEN	4639N	01420E	476	961.9	1016.0	21.2		17.7	4.6	12	118	9	4	263	117
11240	GRAZ-THALERHOF-FLUGHAFEN	4700N	01526E	347	973.7	1015.0	22.6		17.5	3.2	11	78	-41	2	292	137
<b>CZECH REPUBLIC</b>																
11423	PRIMDA	4940N	01240E	748	931.3		18.9		13.9		9	52		2	317	150
<b>11464</b>	<b>MILESOVKA</b>	5033N	01356E	836	921.5		17.4		13.3		6	39		2	293	135
11487	KOCELOVICE	4928N	01350E	522	956.1	1015.5	19.6		14.1		7	48		2	317	150
11518	PRAHA/RUZYNE	5006N	01415E	380	973.8	1015.8	19.7	4.1	14.1	1.3	7	25	-47	1	318	146
11520	PRAHA-LIBUS	5000N	01427E	303	980.9	1015.9	20.3		14.3		6	25		1	325	155
11603	LIBEREC	5046N	01501E	399	969.6	1015.9	18.8		13.1		7	27			292	
11659	PRIBYSLAV	4935N	01546E	536	954.9	1016.1	18.6		14.5		6	34		0	293	140
11723	BRNO/TURANY	4910N	01642E	246	987.2	1015.6	20.8	3.8	15.5	2.2	5	60	-12	2	319	145
11782	OSTRAVA/MOSNOV	4941N	01807E	260	985.6	1015.6	20.3	3.9	14.9	1.3	4	31	-73	0	308	151
<b>SLOVAKIA</b>																
11903	SLIAC	4839N	01909E	315	979.3	1015.6	19.8	3.2	13.8	.4	6	12	-73	0	309	149
<b>11934</b>	<b>POPRAD/TATRY</b>	4904N	02015E	695	936.5		16.5	2.4	11.7	-1.1	8	32	-57	1	278	139



## SURFACE

JUNE 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.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
<b>POLAND</b>																
12120	LEBA	5445N	01732E	2	1013.8	1014.5	15.6		13.2		6	38		2	315	
12160	ELBLAG	5410N	01926E	43	1009.4	1014.3	16.7		13.2		11	55		2	251	115
12205	SZCZECIN	5324N	01437E	3	1014.6	1015.4	18.6	2.2	13.2	- .4	5	38	-19	2	300	135
12295	BIALYSTOK	5306N	02310E	151	996.3	1014.3	15.9	- .2	11.8	-1.7	9	52	-22	2	297	135
12330	POZNAN	5225N	01650E	92	1005.1	1015.5	19.2	2.5	12.5	- .4	5	37	-23	2	321	149
12375	WARSZAWA-OKECIE	5210N	02058E	107	1002.5	1015.1	17.9	1.2	13.1	- .4	11	43	-28	2	366	190
12424	WROCLAW II	5106N	01653E	121	1001.3	1015.9	19.5	3.0	14.0	.2	4	22	-58	1	324	167
12497	WLODAWA	5133N	02332E	179	993.6	1014.9	16.9		12.9		11	60		3	309	130
12566	KRAKOW	5005N	01948E	237	988.0	1015.9	19.1	2.9	14.2	.5	5	35	-62	0	281	146
<b>HUNGARY</b>																
12843	BUDAPEST/LORINC	4726N	01911E	139	999.1	1015.3	23.6	4.6	14.7	.4	2	15	-48	1	329	133
12882	DEBRECEN	4729N	02136E	109	1002.4	1015.0	21.7	3.0	14.8	- .3	5	34	-46	1	331	132
12942	PECS/POGANY	4606N	01814E	203	992.1	1015.6	23.6	5.0	16.4	1.9	5	50	-34	2	298	116
12982	SZEGED	4615N	02006E	83	1005.5	1015.1	23.3	4.1	15.8	.7	3	26	-46	1	324	128
<b>SLOVENIA</b>																
14008	KREDARICA	4623N	01351E	2515	756.9	3159 Z	8.9		8.1		20	187		3	193	115
14015	LJUBLJANA/BEZIGRAD	4604N	01431E	298	981.6	1015.4	23.5		17.6		8	63		1	283	125
<b>CROATIA</b>																
14236	ZAGREB/GRIC	4549N	01559E	162	996.1	1014.7	24.4		18.3		8	75		3	287	125
14445	SPLIT/MARJAN	4331N	01626E	128	999.3	1013.8	27.9		19.5		1	8		0	352	115
<b>BOSNIA AND HERZGOVINA</b>																
14654	SARAJEVO/BEJELAVE	4352N	01826E	638	944.3	1016.0	20.4	3.4	15.3	2.4	17	95	4	3	272	131
<b>YUGOSLAVIA</b>																
13274	BEOGRAD	4448N	02028E	132	1000.0	1015.1	25.0	5.0	16.7	1.5	6	33	-57	1	329	134
13463	PODGORICA-GRAD	4226N	01917E	50	1008.8	1014.5	29.0		17.7		4	28		2	318	115
<b>ROMANIA</b>																
15085	BISTRITA	4708N	02430E	367	972.3	1014.3	20.1	3.1	13.1	-1.3	3	12	-85	0	322	139
15090	IASI	4710N	02738E	104	1002.4	1014.5	21.3	2.1	12.5	-2.9	3	14	-87	1	320	126
15120	CLUJ-NAPOCA	4647N	02334E	413	967.7	1015.0	20.4	3.8	12.5	-1.7	3	86	-9	2	337	142
15247	TIMISOARA	4546N	02115E	88	1004.5	1014.4	22.8	3.4	15.8	.1	5	81	5	4	339	129
15260	SIBIU	4548N	02409E	444	963.7	1015.1	20.8	3.7	16.0	1.1	1	3	-96	0	301	141
15360	SULINA	4509N	02940E	9	1013.5	1014.2	21.6	1.5	17.5	-1.4	1	5	-24	1	359	126
15420	BUCURESTI/IMH	4430N	02608E	91	1003.4	1014.0	22.7	2.5	14.4	-1.9	5	12	-65	1	339	128
15480	CONSTANTA	4413N	02838E	14	1014.2	1015.7	22.4	2.4	20.5	2.8	3	9	-31	1	341	121
<b>BULGARIA</b>																
15552	VARNA	4312N	02755E	43	1009.5	1014.5	22.4	2.4	18.7	1.4	1	7	-39	1	330	138
15614	SOFIA (OBSERV.)	4239N	02323E	595	947.5	1014.3	21.1	3.1	16.5	3.0	6	82	7	4	300	124
<b>ITALY</b>																
16045	UDINE/RIVOLTO	4559N	01302E	53	1000.3	1016.3	24.9		19.8		6	43	-93	1	193	95

# SURFACE

## JUNE 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.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
16158 PISA/S. GIUSTO	4341N	01023E	6		1014.9	1015.6	25.8		22.9		3	21	-22	2	322	121
16325 MARINA DI GINOSA	4026N	01653E	12		1011.0	1012.3	26.0		23.8		3	23	2	5		
16420 MESSINA	3812N	01533E	51		1008.5	1014.7	26.9		27.2		1	17	4	4	332	113
16429 TRAPANI/BIRGI	3755N	01230E	14		1013.8	1014.9	24.3		22.6						343	112
<b>MALTA</b>																
16597 LUQA	3551N	01429E	91		1006.5	1014.9	26.1	3.1	20.1	1.0	1	16	13	5	358	105
<b>GREECE</b>																
16622 THESSALONIKI/MIKRA	4031N	02258E	4		1014.2	1014.7	27.2	3.0	19.2	2.5	3	9	-22	1	319	108
16641 KERKYRA (AIRPORT)	3937N	01955E	4		1012.2	1012.7	28.3	4.5	24.0	5.7	1	4	-10	2	336	104
16648 LARISSA (AIRPORT)	3938N	02225E	74		1005.3	1013.7	26.8	1.9	18.5	3.4	4	33	10	4	332	108
16716 ATHINAI (AIRPORT)	3754N	02344E	15		1010.9	1012.6	28.1	3.1	16.2	- .9	0	T	-6	1	365	109
16726 KALAMATA (AIRPORT)	3704N	02201E	8		1011.4	1012.7	25.7	1.6	20.7	3.5	1	14	8	5	308	129
16746 SOUDA (AIRPORT)	3529N	02407E	151		994.8	1012.1	25.9	1.5	15.9	.4					358	104
16754 HERAKLION (AIRPORT)	3520N	02511E	39		1007.3	1011.9	25.0	.7	18.1	.8					367	105
<b>TURKEY</b>																
17022 ZONGULDAK	4127N	03148E	137		998.8	1014.7	19.9	.3	15.6	-.3					364	140
17030 SAMSUN	4117N	03618E	4		1015.4	1015.9	20.7	.7	17.3	-.6	3	3	-42	0	351	155
17034 GIRE SUN	4055N	03823E	37		1010.4	1014.9	20.7	.8	17.3	-.7	1	16	-62	1		
17040 RIZE	4102N	04031E	9		1012.6	1013.6	20.6	.7	16.8	-1.1	8	58	-70	2	254	115
17050 EDIRNE	4140N	02634E	51		1008.4	1014.2	24.7	2.7	15.5	.0	1	5	-36	1	355	120
17062 ISTANBUL/GOZTEPE	4058N	02905E	33		1010.1	1014.0	23.1	2.0	17.9	.7	1	1	-20	1	374	120
17074 KASTAMONU	4122N	03347E	800		923.4	1012.8	18.8	1.6	10.8	-1.6					377	130
17084 CORUM	4033N	03457E	776		925.5	1012.2	19.2	1.1	10.7	-1.1	2	7	-43	0	352	130
17090 SIVAS	3945N	03701E	1285		870.2	1009.3	17.6	.7	10.4	.0	2	3	-32	1	358	110
17092 ERZINCAN	3945N	03930E	1218		876.3	1007.2	20.5	1.0	13.1	1.7	5	26	-7	2	286	90
17096 ERZURUM	3957N	04110E	1758		822.2	1007.9	14.5	-.4	7.8	-1.9	6	46	-2	3	323	100
17098 KARS	4037N	04306E	1775		821.0	1009.2	13.3	-.1	10.3	-.1	13	75	0	3	326	115
17112 CANAKKALE	4008N	02624E	6		1013.4	1014.1	24.0	2.0	17.0	-1.3					362	105
17116 BURSA	4011N	02904E	100		1000.7	1012.2	23.8	1.9	15.7	-.1	1	2	-27	0	374	125
17130 ANKARA/CENTRAL	3957N	03253E	891		912.3	1009.7	22.6	3.0	12.3	.9					374	115
17170 VAN	3827N	04319E	1662		829.5	1004.2	18.2	.6	13.3	3.1	6	50	29	5	353	100
17188 USAK	3841N	02924E	919		908.9	1009.4	22.0	2.2	12.4	-.6	3	19	-5	3		
17190 AFYON	3845N	03032E	1034		897.8	1010.7	20.5	1.8	12.0	.6	3	14	-22	2	309	100
17199 MALATYA/BOLGE	3821N	03819E	948		903.8	1006.2	23.9		10.2		2	8		2	376	105
17210 SIIRT	3755N	04157E	896		906.4	1002.5	25.9	.3	11.4	.7	6	37	29	6	333	90
17220 IZMIR/GUZELYALT	3826N	02710E	29		1006.6	1009.9	27.5	2.3	19.6	2.7					364	105
17240 ISPARTA	3745N	03033E	997		901.0	1009.5	21.4	1.7	13.8	2.4	4	36	5	4	342	145
17244 KONYA	3758N	03233E	1031		896.8	1008.7	21.2	1.2	8.5	-2.9	1	2	-20	1	316	95
17250 NIGDE	3758N	03441E	1210		878.3	1008.6	20.4	1.6	10.7	.2	2	11	-13	1	366	110
17255 KAHRAMANMARAS	3736N	03656E	572		942.8	1005.8	25.6	1.0	16.8	2.5	1	2	-6	3	304	90
17270 SANLIURFA	3708N	03846E	549		944.4	1004.0	28.6	.9	12.9	1.7	2	5	2	4	364	95
17280 DIYARBAKIR	3753N	04012E	677		929.8	1003.2	26.4	.2	7.3	-5.1	2	27	21	6	358	95
17285 HAKKARI	3734N	04346E	1728		822.7	1000.4	21.4	1.4	12.1	2.6	7	41	24	5	358	100
17292 MUGLA	3713N	02822E	646		937.5	1008.9	23.8	1.4	15.0	2.4	7	102	78	6	276	85
17300 ANTALYA	3642N	03044E	54		1000.5	1006.3	26.5	1.5	19.3	.5	3	11	3	4	346	100
17340 MERSIN	3648N	03438E	3		1007.3	1007.7	26.0	1.3	25.2	1.3	4	16	9	5	304	100

## 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	
17351 ADANA/BOLGE	3659N	03521E	27		1005.5	1008.6	26.5		24.2		2	7		2	306	90
<b>CYPRUS</b>																
17609 LARNACA AIRPORT	3453N	03338E	2		1007.7	1008.0	25.7	1.7	21.8		1	7	6	377	102	
<b>RUSSIAN FEDERATION (EUROPE)</b>																
22113 MURMANSK	6858N	03303E	51		1007.8	1014.1	6.6	-2.6	6.7	-1.3	4	9	-45	1	238	104
22165 KANIN NOS	6839N	04318E	49		1005.7	1011.8	1.9	-2.4	6.4	-.8	5	21	-8	2		
22550 ARHANGEL'SK	6430N	04044E	8		1009.0	1010.0	8.3	-4.2	8.0	-2.0	11	72	18	5	255	86
22602 REBOLY	6350N	03049E	182		989.2	1011.1	10.1	-3.1	6.6	-3.5	10	41	-18	5	257	92
22837 VYTEGRA	6101N	03627E	56		1001.9	1008.7	10.8	-3.3	9.4	-1.8	9	36	-26	1	241	82
<b>ESTONIA</b>																
26038 TALLINN	5923N	02435E	34		1006.6	1011.0	12.9	-1.6	10.7	-1.0	9	25	-28	1	258	85
<b>RUSSIAN FEDERATION (EUROPE)</b>																
26063 ST. PETERBURG	5958N	03018E	6		1009.1	1009.8	13.0	-2.6	10.7	-1.1		72	15	0	218	79
<b>ESTONIA</b>																
26214 VILSANDI	5823N	02149E	6		1011.0	1012.0	13.5	.1	12.5	.1	6	22	-15	1	315	99
26242 TARTU	5818N	02644E	68		1002.8	1011.2	13.4	-1.6	11.1	-1.0	13	92	31	4	237	83
<b>LATVIA</b>																
26346 ALUKSNE	5726N	02702E	193		987.2	1010.9	12.8		10.8		14	84			235	85
<b>RUSSIAN FEDERATION (EUROPE)</b>																
26477 VELIKIE LUKI	5621N	03037E	106		996.9	1009.2	13.7	-1.9	11.5	-1.6	15	75	2		238	87
<b>LITHUANIA</b>																
26509 KLAJPEDA	5544N	02104E	7		1012.6	1013.5	14.9	.6	12.7	-.1	7	54	-2	3	300	105
26524 SIAULIAI	5556N	02319E	107		999.9	1012.7	14.9	-.6	11.7	-.7	10	60	0	3	268	97
26629 KAUNAS	5453N	02350E	77		1004.1	1013.2	15.4	-.4	12.1	-1.0	9	57	-12		321	121
26730 VILNIUS	5438N	02506E	156		994.4	1012.9	15.2	-.6	11.3	-1.1	10	65	-12		315	136
<b>BELARUS</b>																
26850 MINSK	5356N	02738E	231		986.1	1012.3	15.5	-.6	11.2	-1.3	9	28	-55	1	294	112
<b>RUSSIAN FEDERATION (EUROPE)</b>																
27037 VOLOGDA	5919N	03955E	130		991.3	1006.8	11.7	-3.1			13	56	-10	3	212	77
27199 KIROV	5836N	04938E	158		986.4	1005.2	12.6		11.1		15	181		5	211	70
27595 KAZAN'	5536N	04917E	116		992.0	1006.1	13.6	-3.8	11.2	-1.5	13	91	21	4	207	71
27612 MOSKVA	5550N	03737E	156		989.1	1007.6	12.8	-3.8	11.4	-1.4	17	80	5			
<b>UKRAINE</b>																
33345 KYIV	5024N	03034E	167		993.8	1013.4	18.0	-.2	11.5	-2.5	9	26	-47	1		
33393 L'VIV	4949N	02357E	323		977.7	1015.3	17.4	1.3	13.0	-.5	11	54	-44	1		
33506 POLTAVA	4936N	03433E	160		993.3	1012.0	18.1	-.5	10.8	-2.8	4	12	-48	0		
33562 VINNYTSIA	4914N	02836E	298		979.6	1014.1	17.7	.6	11.5	-2.2	9	28	-59	1	321	126
33587 UMAN'	4846N	03014E	216		989.0	1014.1	18.1	.4	12.1	-2.1	11	62	-25	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.
					mb	mb	°C	°C	mb	mb	mm	mm	mm	mm	hr	%
33631 UZHHOROD	4838N	02216E	124		1001.7	1015.3	20.6	2.2	14.0	-.1	7	32	-56	1	319	128
33658 CHERNIVTSI	4822N	02554E	246		986.4	1015.0	19.4	2.1	13.0	-1.0	7	29	-76	1	300	129
<b>REPUBLIC OF MOLDOVA</b>																
33815 KISINEV	4701N	02859E	173		993.4	1014.2	21.2	1.8	12.8	-1.2	5	21	-55	1	365	129
<b>UKRAINE</b>																
33837 ODESA	4626N	03046E	42		1009.4	1014.4	20.5	1.1	14.7	-.9	6	45	3	0	371	127
33846 MIKOLAIV	4702N	03157E	50		1007.9	1013.7	20.4	.0	13.1	-1.5	6	31	-23	2		
33889 IZMAIL	4522N	02851E	30		1010.9	1014.4	22.1	2.0	14.6	-.8	4	13	-44	1	352	120
33910 HENICHES'K	4610N	03449E	15		1011.5	1013.3	21.1	.4	14.4	-2.1	5	33	-8	3	336	110
<b>33915 ASKANIYA-NOVA</b>	4627N	03353E	30		1010.0	1013.5	20.5	.5	12.4	-1.8					322	108
33946 SIMFEROPOL'	4441N	03408E	181		993.2	1014.3	19.2	.1	12.7	-1.4	3	12	-41	0	355	113
33983 KERCH	4524N	03625E	49		1008.0	1013.8	19.9	-.3	13.4	-2.8	3	15	-33	1	346	113
33990 YALTA	4529N	03410E	72		1006.0	1014.4	21.3	1.1	13.8	-1.6	4	17	-28	1	316	110
<b>RUSSIAN FEDERATION (EUROPE)</b>																
34123 VORONEZ	5142N	03913E	149		991.5	1009.0	15.0		11.8		15	74		4		
34172 SARATOV	5134N	04602E	156		983.8	1007.4	14.3	-5.1	10.9	-1.8	12	70	27	5	236	76
<b>UKRAINE</b>																
34300 KHARKIV	4958N	03608E	155		993.3	1011.3	17.3	-1.6	11.6	-1.9	10	89	31	5	294	112
<b>KAZAKHSTAN</b>																
34398 ZHALPAKTAL	4940N	04929E	10		1007.2	1008.4	17.7	-3.9	11.4	-.6	7	38	13		270	90
<b>UKRAINE</b>																
34519 DONETS'K	4804N	03746E	225		958.8	1011.8	17.6	-1.4	11.4		10	109	47	5		
<b>RUSSIAN FEDERATION (EUROPE)</b>																
34880 ASTRAHAN'	4617N	04803E	-23		1013.3	1010.9	20.1	-2.7	13.6	-1.5	9	22	2	4		
<b>ARMENIA</b>																
37789 YEREVAN	4008N	04428E	907		887.2	1479 Y	20.3	-1.6	13.0	.4	10	47	27	5	342	115
<b>UZBEKISTAN</b>																
38178 AK-BAJTAL	4309N	06420E	234		982.6	1009.1	24.3	-2.7	12.0	2.4	5	27	24	6	359	97
<b>SYRIAN ARAB REPUBLIC</b>																
40001 KAMISHLI	3703N	04113E	455		952.9	1003.6	30.0	1.7	10.8	1.3	0	0	-1	0		
40007 ALEPPO INT. AIRPORT	3611N	03712E	384		961.7	1004.3	26.8	1.0	23.1		00	0	-2	0		
<b>40022 LATTAKIA</b>	3532N	03546E	7		1007.0	1007.8	24.8	1.0	23.8	1.7	2	18	13		350	109
40030 HAMA	3507N	03645E	303		972.0	1006.0	26.7	.9	14.1	2.4	1	2	-1			
40045 DEIR EZZOR	3519N	04009E	212		981.1	1003.9	30.4	.8	12.9	3.5						
<b>40061 PALMYRA</b>	3433N	03818E	404		959.6	1004.2	28.2	.9	11.3	.4					388	107
<b>LEBANON</b>																
40103 TRIPOLI	3427N	03548E	5		1008.4	1009.1	24.5		27.3		0	0		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.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
<b>ISRAEL</b>																
40180	3200N	03454E	49		1004.0	1008.6	25.6		20.3		0	0		5		
40199	2933N	03457E	12		1006.6	1006.9	32.5	1.6	11.7		0	0		5	347	95
<b>JORDAN</b>																
40310	3010N	03547E	1070				24.1	.1	13.5	2.7	0	0	0	0	303	82
<b>ASIA</b>																
<b>RUSSIAN FEDERATION (IN ASIA)</b>																
20069	7930N	07659E	10		1008.1	1009.4	-1.4	.3	5.1	.1	3	11	0	3	125	98
20292	7743N	10418E	15		1009.4	1011.3	.3	2.0	5.4	.4	5	10	-12	5	146	101
20674	7330N	08024E	47		1005.6	1011.4	3.1	3.4			5	13	-16	1	298	
20891	7159N	10228E	33		1008.6	1012.6	8.3	3.7	7.1	.7		3	-28	0	395	151
21432	7600N	13552E	9		1009.0	1010.0	- .5	.0	5.4	.0	3	14	-3		145	81
23205	6738N	05302E	12		1007.3	1008.8	6.0	-1.3	7.2	- .4	10	61	21	5	160	65
23330	6632N	06640E	16		1007.0	1009.1	11.2	3.4	9.6	1.8	14	71	20		250	93
23472	6547N	08756E	38		1006.7	1011.2	15.5	5.5	10.7	2.6	8	57	9	4	381	141
23552	6455N	07749E	27		1006.9	1010.2	15.1	5.4	11.9	3.7	12	68	18	6	303	129
23724	6226N	06052E	51		996.4	1006.8	13.6	.6	10.3	.7	12	76	14		250	86
23804	6143N	05050E	119		991.4	1005.6	11.3	-2.7	10.3	- .2	19	104	45	5	183	66
23884	6136N	09001E	58		1004.3	1011.1	18.2	4.8	12.9	3.2	4	48	-11	3	357	133
23933	6101N	06902E	46		1003.1	1008.6	16.7	2.8	12.7	2.1	12	82	11		344	119
24125	6830N	11226E	220		984.3	1010.6	9.8	.5	6.8	- .4	6	38	-4		368	130
24143	6844N	12400E	39		1004.1	1008.8	8.7	-1.7	7.0	- .9	12	79	46			
24266	6733N	13323E	137		990.9	1007.4	10.1	-2.9	8.0	.0	11	37	12		223	63
24507	6416N	10014E	168		989.3	1011.2	15.4	3.3	9.1	.9	4	50	-3	3	350	133
24641	6346N	12137E	111		994.8	1008.0	14.3	- .2	8.9	.2	7	66	33		306	97
24688	6315N	14309E	741		919.0	1004.0	10.3	-1.3	7.1	- .6	6	22	-9		247	81
24738	6209N	11739E	133		991.8	1008.5	14.8	.5	11.7	2.7	3	31	-6		289	95
24817	6116N	10801E	291		975.4	1009.2	15.0	1.6	9.4	.4	7	70	26		327	108
24959	6201N	12943E	101		994.0	1006.0	14.4	-1.0	7.8	-1.8	5	21	-16		342	103
25173	6854N	17922W	4		1009.3	1009.7	3.9	2.4	6.8	.8	1	12	-6			
25325	6633N	15925E	127		990.5	1005.8	10.3	-1.5	8.0	.1	11	44	16		199	
25399	6610N	16950W	3		1011.1	1011.4	4.6	2.6	7.5	1.2	3	20	-4			
25400	6544N	15054E	43		1000.9	1006.1	11.5	-1.8	9.0	.1	8	39	10		315	91
25563	6447N	17734E	61		1001.6	1008.8	6.1	.7	7.7	.5	4	22	-1		283	101
25703	6255N	15225E	205		979.8	1004.7	12.2	-1.5	9.6	.7	10	55	24	5	230	76
28224	5801N	05618E	171		986.0	1006.1	13.8		12.3		12	103			211	
28275	5809N	06815E	50		1002.7	1008.4	16.7	.9	13.3	1.5	11	104	46	5	308	107
28440	5650N	06038E	283		973.9	1006.6	14.7	-1.2	11.5	.2	13	138	64	5		
<b>KAZAKHSTAN</b>																
28679	5450N	06909E	142		992.9	1009.6	17.3	- .4	13.3	1.5	10	40	-3	2	243	79
<b>RUSSIAN FEDERATION (IN ASIA)</b>																
28698	5501N	07323E	122		995.8	1010.1	18.0	.3	12.9	1.5	9	44	-10		345	108

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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	
<b>KAZAKHSTAN</b>																
28766	BLACOVESCHENSKA	5422N	06658E	151	990.7	1008.3	17.0		13.2		14	88		5		
28879	KOKSHETAY	5317N	06923E	229	982.6	1009.3	17.8	-.6	13.0	1.8	5	19	-21	2	298	97
28952	KUSTANAI	5313N	06337E	156	990.6	1008.4	17.1	-1.8	12.4	1.0	7	59	20		312	97
28966	RUZAEVKA	5249N	06658E	227	982.2	1008.7	17.0		11.9		7	52				
<b>RUSSIAN FEDERATION (IN ASIA)</b>																
29231	KOLPASEVO	5819N	08257E	75	1001.7	1010.5	19.3	4.3	14.0	2.5	7	42	-16		367	122
29263	ENISEJSK	5827N	09209E	79	1001.5	1010.7	19.2	4.2	12.7	1.8	5	15	-37	1	368	126
29282	BOGUCANY	5823N	09727E	133	994.9	1010.5	18.7	3.4	11.0	.6	2	15	-24	1	380	137
29570	KRASNOJARSK OPYTNOE POLE	5602N	09245E	276	977.1	1009.1	18.8		13.9		8	93		5		
<b>KAZAKHSTAN</b>																
29807	IRTYSHSK	5321N	07527E	94	999.7	1010.5	20.0	.7	13.4	1.8	7	55	18			
<b>RUSSIAN FEDERATION (IN ASIA)</b>																
29838	BARNAUL	5326N	08331E	184	989.4	1010.7	19.9	2.2	15.2	3.6	7	51	7		303	96
29866	MINUSINSK	5342N	09142E	254	980.4	1009.8	19.1	1.7	15.1	3.4	8	180	128	6	314	141
30230	KIRENSK	5746N	10804E	259	979.0	1009.4	16.0	1.3	11.0	.6	5	24	-19		319	112
30309	BRATSK	5617N	10145E	416	962.2	1010.3	16.5	2.9	11.5	1.5		2	-40		320	114
30554	BAGDARIN	5428N	11335E	903	905.9	1008.0	12.3	.4	7.4	-.9	4	29	-37	1		
30635	UST'-BARGUZIN	5325N	10901E	461	956.0	1009.9	11.2	.3	10.6	1.5	4	37	-1	3		
30673	MOGOCA	5345N	11944E	625	933.9	1005.6	14.0	.3	10.3	.3	9	59	-24	2	191	80
30710	IRKUTSK	5216N	10419E	469	955.5	1009.3	16.9	1.9	11.0	.1	6	37	-24		261	99
30758	CHITA	5205N	11329E	671	930.1	1005.5	17.1	1.7	8.4	-1.1	2	4	-54	1	225	81
31004	ALDAN	5837N	12522E	79		1007.2	12.6	-.3	8.3	-.8	11	73	-15		269	103
31088	OHOTSK	5922N	14312E	6	1004.2	1004.9	9.2	2.0	9.8	.9	9	71	19	4	254	127
31168	AJAN	5627N	13809E	8	1004.8	1005.9	10.5	3.4	9.3	.8	8	68	-27		216	116
31253	BOMNAK	5443N	12856E	357	962.5	1004.9	15.6	.5	11.5	.2	10	64	-16		256	101
31369	NIKOLAEVSK-NA-AMURE	5309N	14042E	68	997.8	1005.9	13.9	1.0	11.5	.4	4	65	26			
31416	IM POLINY OSIPENKO	5225N	13630E	73	996.6	1005.1	16.5	1.9	11.7	.3	5	32	-25		286	107
31510	BLAGOVESHCHENSK	5015N	12734E	132	988.5	1003.7	19.5	.9	12.8	-1.1	7	54	-36			
31735	HABAROVSK	4831N	13510E	76	994.8	1005.3	19.8	2.0	13.7	-.5	4	16	-66		288	110
31960	VLADIVOSTOK	4307N	13154E	183	985.2	1007.2	15.2	2.3	14.3	.8	10	75	-23		102	78
32150	JUZHNO-SAHALINSK	4657N	14243E	24	1005.6	1008.5	13.0	1.7	12.2	1.2	3	11	-43	0	219	111
32583	PETROPVLOVSK- KAMCATSKIJ	5259N	15839E	24	1003.3	1006.1	10.2		9.6		5	59		3		
32618	NIKOL'SKOE	5512N	16559E	18	1005.0	1007.2	5.3	-.1	8.3	.1	9	56	20	5	59	65
<b>KAZAKHSTAN</b>																
35067	ESIL'	5153N	06620E	221	983.1	1008.7	17.4		12.4		11	84		6		
35078	ATBASAR	5149N	06822E	304	974.3	1009.6	16.8	-1.7	12.3	1.7	11	88	58	6	257	79
35108	URALSK	5115N	05117E	37	1003.8	1008.1	15.7	-4.5	11.4	-1.0	9	52	16	5	281	92
<b>RUSSIAN FEDERATION (IN ASIA)</b>																
35121	ORENBURG	5141N	05506E	117	994.1	1007.9	15.7	-4.1	11.5	-.8	10	73	34	5	265	86
<b>KAZAKHSTAN</b>																
35188	AKMOLA	5108N	07122E	350	969.9	1010.2	18.3	-.7	12.4	2.1	10	44	10	4	291	87
35217	DZHAMBETJY	5015N	05234E	32	1005.4	1009.2	17.0		11.3		6	36		0		

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb	mm	mm	mm	mm	hr	%
35229 AKTJUBINSK	5017N	05709E	219		982.1	1007.6	16.8	-3.4	12.2	.8	7	66	33	5	256	81
35376 BERLIK	4953N	06931E	349		968.7	1008.9	18.3		12.0		13	63			280	
35394 KARAGANDA	4948N	07309E	553		947.4	1010.1	18.6	-.2	11.5	1.7	6	17	-19		303	90
35416 ULL	4904N	05441E	128				18.2	-4.1	12.0	1.3	8	56	37	1		
35426 TEMIR	4909N	05707E	234		981.2	1008.5	17.1		11.9		10	76		5		
35746 ARALSKOE MORE	4647N	06139E	62		1000.8	1008.3	21.1	-3.0	12.2	.5	8	105	94	0	299	82
35796 BALHASH	4648N	07505E	350		969.6	1009.4	21.9	.0	14.4	1.9	2	28	14	4	369	101
35849 KAZALINSK	4546N	06207E	68		1001.3	1009.2	21.9	-2.7	12.7	.7	5	21	15	5	291	78
35925 SAM	4524N	05607E	88		999.3	1009.5	21.7	-2.9	13.0	2.0	5	46	32			
35953 DZHUSALY	4530N	06405E	103		996.7	1008.5	23.1		11.0		4	21		5		
36003 PAVLODAR	5218N	07656E	122		996.2	1010.3	21.0		12.9		3	7		1	352	
36177 SEMIPALATINSK	5025N	08018E	196		986.8	1009.3	21.5	1.9	12.7	1.3	7	24	-3	2		
36208 LENINOGORSK	5020N	08333E	811		918.7	1009.6	16.6	1.0	12.5	1.4	10	54	-17	2		
36428 BOL'SHE NARYMSKOE	4912N	08431E	401		962.1	1007.8	20.5		13.3		4	33			365	115
36535 KOKPEKTY	4845N	08222E	512				20.2	2.1	11.0	.7	2				348	107
36859 ZHARKENT	4410N	08004E	645		937.2	1008.7	22.3	-.2	14.5	2.6	7	70	45		296	96
36870 ALMATY	4314N	07656E	851		915.6	1009.2	20.4	-.6	14.0	1.9	10	131	68	6	270	96
38062 KYZYLORDA	4451N	06530E	130		994.5	1009.2	23.5	-1.7	12.8	2.2	5	29	23	5		
38069 CIILI	4410N	06645E	153		991.9	1009.5	23.2				2	5		2		
38198 TURKESTAN	4316N	06813E	207		985.2	1009.0	24.0	-2.1	14.2	4.2	6	45	38			
<b>UZBEKISTAN</b>																
38262 CHIMBAJ	4257N	05949E	66		1002.3	1009.9	23.5	-1.7	13.5	-.9	6	31	28	6	342	94
<b>KAZAKHSTAN</b>																
38328 SHYMKENT	4219N	06942E	604		941.4	1008.6	22.1		15.1		7	35		5	218	
38334 AUL TYRARA RYSKULOVA	4229N	07018E	808		919.4	1008.4	21.1		14.4			7		0		
38341 ZHAMBYL	4251N	07123E	651		936.3	1008.7	21.7		14.5		8	66		5	357	
38343 KOULAN	4257N	07245E	683		933.2	1009.0	22.0		14.5		6	45		4		
<b>UZBEKISTAN</b>																
38396 URGENCH	4134N	06034E	101		999.2	1010.8	24.0		12.9		4	22		6		
38403 BUZAUBAJ	4145N	06228E	98		999.2	1010.4	25.8		13.6		3	14		5		
38413 TAMDY	4144N	06437E	237		982.5	1010.1	25.8	-2.6	12.5	2.3	1	5	3	4	363	93
<b>KAZAKHSTAN</b>																
38439 CARDARA	4122N	06800E	275		977.4	1008.3	22.4									
<b>UZBEKISTAN</b>																
38457 TASHKENT	4116N	06916E	488		953.5	1008.0	24.1	-1.5	14.7	2.5	3	24	17	5	364	101
<b>TURKMENISTAN</b>																
38507 TURKMENBASHI	4003N	05300E	-13			1012.2	22.1	-2.3	13.7	-.4	2	5	2		356	103
38545 DARGANATA	4028N	06217E	142		992.8	1009.1	24.4		13.7		4	27				
<b>UZBEKISTAN</b>																
38611 NAMANGAN	4059N	07135E	474		955.1	1007.7	25.7		17.1		3	20		5	349	105
38618 FERGANA	4022N	07145E	577		942.4	1006.0	24.9	-.5	16.4	2.8	5	32	26	6	318	94
38683 BUHARA	3943N	06437E	226		982.5	1008.1	26.3		13.5		1	6		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.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
<b>TURKMENISTAN</b>																
38687 CHARDZHEV	3905N	06336E	190		987.4	1009.3	25.5	-2.4	17.3	5.0	1	9	8			
<b>UZBEKISTAN</b>																
38696 SAMARKAND	3934N	06657E	724		927.2	1005.5	23.3	-1.2	14.0	2.2	3	18	14	5	326	87
38812 KARSHI	3848N	06543E	376		964.8	1006.6	26.8		16.7		0	0	0	0		
38927 TERMEZ	3714N	06716E	310		971.1	1005.6	28.0	- .4	12.6	- .6	1	2	1	5	377	101
<b>SAUDI ARABIA</b>																
40356 TURAIF	3141N	03844E	852		912.4	1470 Y	27.2		8.3		0	0			375	
40357 ARAR	3054N	04108E	549		943.6	1002.8	31.8		8.0		0	0				
40360 GURIAT	3124N	03716E	504		950.1	1005.5	27.5		9.6		0	0				
40361 AL-JOUF	2947N	04006E	689		931.6	1003.5	30.6		6.9		0	0				
40362 RAFHA	2937N	04329E	444		953.4	1001.8	32.5		11.5		0	0			312	
40375 TABUK	2822N	03636E	768		922.2	1004.5	29.8		8.9		0	0			350	
40394 HAIL	2726N	04141E	1013		897.0	1479 Y	32.0		8.0		0	0			326	
40400 WEJH	2612N	03628E	21		1002.3	1005.0	29.1		26.9		0	0			343	
40410 KHAYBER	2540N	03918E	754		922.2	1001.1	36.8		5.6		0	0				
40416 DHAHRAN	2616N	05009E	17		996.7	998.6	34.4	1.0	17.9	5.6	0	0	0			
40417 KING FAHAD INT. AIRPORT	2627N	04949E	12		998.3	999.6	36.1		10.2		0	0				
40420 AL AHSA	2518N	04929E	178		980.7	1000.0			11.9		0	0				
40430 MADINAH	2433N	03942E	636		934.1	1001.3	36.2	.4	9.7	4.8	0	0	-1		327	
40437 KING KHALED INT. AIRPORT	2456N	04643E	612		935.5	1000.3	35.2		6.2		0	0			262	
40439 YENBO	2409N	03804E	10		1002.2	1003.4	33.5		25.0		0	0				
<b>IRAN, ISLAMIC REPUBLIC OF</b>																
40706 TABRIZ	3805N	04617E	1361		861.2	1005.8	22.6	.7	9.8	.0	3	20	2		340	101
40712 ORUMIEH	3732N	04505E	1312		864.3	1004.8	21.0	.8	12.4	1.1	3	9	-6		343	100
40718 ANZALI	3728N	04928E	-23			1012.0	21.4	-2.0	20.2	-2.3	4	64	16		242	99
40745 MASHHAD	3616N	05938E	989		869.6	1007.3	25.8	1.2	11.9	1.4					328	96
40754 TEHRAN-MEHRABAD	3541N	05121E	1191		881.0	1011.3	27.4	- .5	11.2	2.8						
40766 KERMANSHAH	3416N	04707E	1322		862.7	1001.9	25.6	2.0	7.1	- .2					349	100
40800 ESFAHAN	3238N	05143E	1550		839.9	998.5	28.5	1.4	8.5	1.0					353	102
40831 ABADAN	3022N	04815E	11		999.0	1000.4	36.6	1.3	14.3	.6					331	113
40841 KERMAN	3015N	05658E	1754		820.7	996.7	27.3	- .7	5.7						321	100
40848 SHIRAZ	2932N	05235E	1491		846.2	998.0	30.0	2.3	10.1	2.5					355	99
<b>SAUDI ARABIA</b>																
41024 JEDDAH (KING ABDUL AZIZ INT.)	2142N	03911E	17		1002.2	1004.1	31.9	1.1	28.2	3.1	0				284	
41030 MAKKAH	2126N	03946E	240		976.7	1002.7			19.4		0	0				
41036 TAIF	2129N	04033E	1454		852.7	1474 Y	29.8	1.4	7.4	.2	0	0	-5		299	
41055 AL BAHA	2018N	04138E	1662		833.3	1470 Y	29.3		10.9		1	2			272	
41061 WADI AL DAWASSER AIRPORT	2030N	04512E	622		933.5	999.2	35.8		6.9		0	0			337	
41114 KHAMIS MUSHAIT	1818N	04248E	2056		796.0	1472 Y	25.0		11.8		0	9999			270	
41128 NAJRAN	1737N	04425E	1210		875.0	1467 Y	32.0		5.6		0	0			300	
41136 SHARURAH	1728N	04707E	725		923.7	999.8	35.1		11.5		0	0			293	
41140 GIZAN	1654N	04235E	7		1002.3	1003.1	33.8		34.0		0	0				



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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb	mm	mm	mm	mm	hr	%
<b>BAHRAIN</b>																
41150 BAHRAIN (INT. AIRPORT)	2616N	05039E	2		999.4	999.6	34.3	1.7	25.6	-2.3	0	0	0	5		95
<b>UNITED ARAB EMIRATES</b>																
41217 ABU DHABI INTER. AIRPORT	2426N	05439E	27		996.6	999.4	33.6	1.5	27.7	2.2	0	0	0	5	346	102
<b>PAKISTAN</b>																
41515 DROSH	3534N	07147E	1465			1424 Y	28.2	-.2	8.1		4	23	9	5		
41560 PARACHINAR	3352N	07005E	1725		821.8	1423 Y	24.6	.1	10.5		6	19	-25	2		
41571 ISLAMABAD AIRPORT	3337N	07306E	508			994.6	31.8	.6	18.1		5	63	1	4		
41598 JHELUM	3256N	07343E	234		968.4	994.2	33.5	.3	19.4		5	82	31	5		
41600 SIALKOT	3230N	07432E	256		967.7	995.0	32.0	-.2	20.1		10	65	0	3		
41620 ZHOB	3121N	06928E	1407		849.1	1399 Y	30.6	.8	9.2		1	1	-9	2		
41624 DERA ISMAIL KHAN	3149N	07055E	173		975.3	993.8	33.8	-.4	23.8							
41640 LAHORE CITY	3133N	07420E	215		971.8	994.7	34.2	.3	23.0		3	42	6	3		
41675 MULTAN	3012N	07126E	123		981.5	994.3	36.4	.9	24.3							
41685 BAR KHAN	2953N	06943E	1097			1401 Y	31.7	.7	10.0		7	89	54			
41710 NOKKUNDI	2849N	06245E	683		924.2	994.9	35.8	.7	8.5							
41712 DAL BANDIN	2853N	06424E	850		908.8	1442 Y			9.2							
41715 JACOBABAD	2818N	06828E	56		986.7	994.4	37.7	.8	30.2							
41718 KHANPUR	2839N	07041E	88		984.9	994.4	36.0	1.2	26.0		1	13	11	5		
41739 PANJGUR	2658N	06406E	981		894.0	1434 Y	33.2	1.5	13.9							
41749 NAWABSHAH	2615N	06822E	38		991.4	995.0	35.9	.4	23.5		1	2	-6	4		
41756 JIWANI	2504N	06148E	57		992.0	998.2	30.4	-.3	35.0							
41759 PASNI	2516N	06329E	6		996.8	997.5	31.2		33.4							
41768 CHHOR	2531N	06947E	6		996.7	997.4	33.5	.1	31.3							
41780 KARACHI AIRPORT	2454N	06708E	22		996.5	998.8	31.6	.2	32.8		1	16	11	5		
<b>INDIA</b>																
42027 SRINAGAR	3405N	07450E	1587		834.7	1425 Y			16.1		3	20	-19	2	187	
42071 AMRITSAR	3138N	07452E	234		970.0	995.3	31.8	-.3	23.8		9	131	69	5	228	85
42147 MUKTESHWAR KUMAON	2928N	07939E	2311		771.9	3146 Z	20.7	2.4	14.1		3	35	-116	0		
42165 BIKANER	2800N	07318E	224			995.3	36.6	1.4	20.9		2	8	-38	2		
42182 NEW DELHI/SAFDARJUNG	2835N	07712E	216		972.2	995.5	34.4	1.0	26.1		8	164	94	5	114	58
42314 DIBRUGARH/MOHANBARI	2729N	09501E	111		988.6	1001.0	27.7	-.1	30.5		21	267	-125	1	124	
42339 JODHPUR	2618N	07301E	224			997.3	33.5		24.7		3	61		5		
42410 GAUHATI	2606N	09135E	54		993.7	999.9	28.4	.0	31.7		24	551	242	6	108	81
42452 KOTA AERODROME	2509N	07551E	274			997.0	35.2	1.1	21.0		7	99	16	4		
42475 ALLAHABAD/BAMHRAULI	2527N	08144E	98		985.7	996.3	35.6	2.0	23.8		2	27	-86	2	129	63
42587 DALTONGANJ	2403N	08404E	221		972.0	996.7	35.7	3.0	27.3		2	8	-150	0		
42619 SILCHAR	2445N	09248E	29		997.5	1000.9	27.6		32.0		26	619		3		
42647 AHMADABAD	2304N	07238E	55		994.0	1000.1	33.5	.7	28.2		5	49	-54	2	205	86
42671 SAGAR	2351N	07845E	551		938.7	997.6	32.9	1.5	23.5		6	67	-103	2		
42731 DWARKA	2222N	06905E	11		999.9	1001.3	30.5	.3	34.9		3	33	-27			
42754 INDORA	2243N	07548E	567		937.9	998.9	30.3	.2	23.0		8	239	103	5	162	78
42807 CALCUTTA/ALIPORE	2232N	08820E	6		998.1	998.8	30.5	.2	36.6		16	329	41	4	96	78
42867 NAGPUR SONEGAON	2106N	07903E	310		964.9	998.4	33.7	1.8	23.2		10	275	107	5	213	115
42909 VERAVAL	2054N	07022E	8		1001.3	1002.1	30.4	.9	36.1		7	195	-12	4		
42933 AKOLA	2042N	07702E	282		969.1	999.9	30.7	-.9	25.4		13	90	-63	3		

# SURFACE

JUNE 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	°C	°C	mb	mb		mm	mm		hr	
43041 JAGDALPUR	1905N	08202E	553		940.5	999.7	31.0	2.5	22.8		8	49	-246	0		
43057 BOMBAY/COLABA	1854N	07249E	11		1002.7	1003.9	29.1	-1	32.9		19	680	88	4	132	89
43063 POONA	1832N	07351E	559		942.3	1003.3	27.6	.2	25.6		16	163	25	4	161	87
43128 HYDERABAD AIRPORT	1727N	07828E	545		941.0	1001.1	31.7	2.4	23.1		9	65	-51	1	191	107
43185 MACHILIPATNAM	1612N	08109E	3		1001.2	1001.5	33.4	1.6	31.1		10	80	-6	2	165	
43192 GOA/PANJIM	1529N	07349E	60		998.7	1005.5	28.3	.7	32.7		22	907	16	4	101	81
43198 BELGAUM/SAMBRA	1551N	07437E	747		923.5	1004.4	26.1	1.5	24.5		7	107	-79	2		
43279 MADRAS/MINAMBAKKAM	1300N	08011E	16		1001.5	1003.2	33.8	1.4	28.6		2	55	-16	3	223	110
43295 BANGALORE	1258N	07735E	921		905.7	1474 Y	26.3	1.7	23.1		8	86	8	4	131	96
43314 KOZHIKODE	1115N	07547E	5		1007.3	1007.9	27.8	1.1	31.4		20	918	103	4		
43333 PORT BLAIR	1140N	09243E	79		998.7	1007.5	27.7	1.4	31.3		16	225	-231	1	113	130
43363 PAMBAN	0916N	07918E	11				30.5	.3	32.4							
43369 MINICOY	0818N	07309E	2		1008.0	1008.2	28.8	.8	33.2		20	293	0	3	134	99
43371 THIRUVANANTHAPURAM	0829N	07657E	64		1001.1	1008.3	28.0	1.2	30.2		13	219	-87	3	159	120
<b>SRI LANKA</b>																
43418 TRINCOMALEE	0835N	08115E	7		997.7	1006.5	31.4	.8	31.7	4.6	1	12	-14			
43466 COLOMBO	0654N	07952E	7		1007.3	1008.1	28.6	.7	32.5	2.0	19	182	-4		195	100
43497 HAMBANTOTA	0607N	08108E	20		1005.9	1007.7	28.6	.9	32.1	2.8	4	13	-46			
<b>MONGOLIA</b>																
44203 RINCHINHUMBE	5107N	09940E	1583		837.3	1007.8	13.8	2.8	7.8	.2	6	54	6	3		
44207 HATGAL	5026N	10009E	1668		830.3	1010.8	11.2	1.3	8.2	4.8	5	24	-28	1		
44212 ULAAN-GOM	4959N	09205E	939		903.4	1006.5	20.1	2.6	10.6	1.3	5	20	-6	3	307	97
44213 BARUUNTURUUN	4939N	09424E	1232		872.6	1006.5	19.0	3.1	9.1	-8	9	21	-10	2		
44214 UIGI	4856N	08956E	1715		824.2	1005.3	17.3	2.7	6.9	-1.7	3	7	-18	1		
44215 OMNO-GOBI	4901N	09143E	1590		836.6	1005.8	17.2	2.2	10.1	1.4	4	24	0	4		
44218 HOVD	4801N	09134E	1405		853.0	1003.2	19.4	2.3	5.4	-3.3	3	22	-4	1		
44225 TOSONTSENDEL	4844N	09812E	1723		824.3	1007.6	15.8	3.2	5.6	-2.7	7	32	-9	3		
44231 MUREN	4934N	10010E	1283		866.5	1005.5	18.5	3.3	7.8	-1.3	6	14	-28	1		
44232 HUTAG	4923N	10242E	938		903.9	1008.8	18.4	2.3	12.8	2.1	4	30	-23	2		
44237 ERDENEMANDAL	4832N	10123E	1509		844.7	1006.7	16.0	2.6	11.8	2.3	5	22	-39	1		
44239 BULGAN	4848N	10333E	1208		873.6	1005.8	16.8	2.6	11.5	2.2	9	31	-21	2		
44241 BARUUNKHARAA	4855N	10604E	807			1007.3	18.2	1.8	13.0	3.0	4	24	-23	1		
44256 DASHBALBAR	4933N	11424E	705		918.2	1005.4	16.6	.5	12.0	2.0	2	4	-44	0		
44259 CHOIBALSAN	4805N	11433E	747		921.5	1005.3	17.8	.2	7.4	-3.2	3	5	-34	1	291	95
44265 BAITAG	4607N	09128E	1186		883.5	1012.4	21.5	2.1	11.1	.1	7	6	-1	2		
44272 ULIASTAI	4745N	09651E	1759		818.9	1003.3	16.7	2.8	8.3	.5	5	33	-1	3	331	110
44275 BAYANBULAG	4650N	09805E	2255		773.4	1006.7	12.9	2.3	9.8	2.4	5	40	20	1		
44277 ALTAI	4624N	09615E	2181		780.4	1005.0	14.7	2.2	11.1	3.4	6	30	3	3		
44282 TSETSERLEG	4727N	10128E	1691		827.2	1007.3	15.5	2.5	7.6	-7	12	69	6	3		
44284 GAIUUT	4642N	10008E	2126		786.4	1005.7	13.6	1.9	1.6	-5.2	6	21	-14	2		
44285 HUJIRT	4654N	10246E	1662		830.1	1007.5	15.1	2.1	10.6	1.7	11	111	58	5		
44287 BAYANHONGOR	4608N	10041E	1859		810.4	1005.1	15.6	.6	9.0	.9	8	93	60	5		
44288 ARVAIHEER	4616N	10247E	1813		814.8	1006.0	15.9	1.9	9.8	1.6	6	35	1	1		
44292 ULAAN-BAATOR	4755N	10652E	1306		864.9	1007.0	17.0	2.4	10.0	.9	5	22	-19	1	281	104
44294 MAANTI	4718N	10729E	1430		851.6	1006.3	15.9	1.5	14.1	4.3	7	18	-16	1		
44298 CHOIR	4627N	10813E	1286		865.8	1005.5	17.3	.7	8.8	-1.6	5	16	-12	2		
44302 BAYAN-OVOO	4747N	11207E	926		902.6	1006.2	16.4	-.3	9.6	-.7	4	15	-31	0		

# SURFACE

JUNE 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.
					mb	mb	°C	°C	mb	mb	mm	mm	mm	mm	hr	%
44304 UNDERKHAAN	4719N	11038E	1033		891.7	1005.6	17.0	.6	8.4	-.7	4			1		
44305 BARUUN-URT	4641N	11317E	981		897.4	1005.8	17.5	-.1	11.8	1.6	7	17		-18	1	
44313 KHALKH-GOL	4737N	11837E	688		927.4	1005.1	17.7	.2	10.2	-.4	6	49	9	4		
44314 MATAD	4710N	11538E	907		905.5	1006.6	16.9	-1.0	9.4	-.5	4	26	-5	3		
44336 SAIKHAN-OVOO	4527N	10354E	1316		863.4	1006.0	19.4	1.1	8.8	.0	6	32	17	1		
<b>44341 MANDALGOVI</b>	4546N	10617E	1393		855.0	1005.1	17.9	1.2	8.5	-.4	6	28	4	3		
44347 TSOGT-OVOO	4425N	10519E	1298		865.1	1004.3	20.2	.8	7.5	-2.5	7	14	1	3		
44352 BAYANDELGER	4544N	11222E	1101		885.0	1005.4	17.2	-.4	10.1	-.6	8	33	2	4		
44358 ZAMYN-UUD	4344N	11154E	964		898.8	1005.6	18.9	-1.3	13.4	2.9	8	30	16	5		
<b>44373 DALANZADGAD</b>	4335N	10425E	1465		848.5	1003.7	19.7	.5	9.6	.2	4	16	-2	3	294	95
<b>NEPAL</b>																
44454 KATHMANDU AIRPORT	2742N	08522E	1337		858.2	1423 Y	23.9		24.9		19	222			110	60
<b>HONG KONG, CHINA</b>																
45004 KING'S PARK	2219N	11410E	66		998.3	1005.8	27.3	-.7	29.8	-.7	16	484	106	4	127	79
<b>REPUBLIC OF KOREA</b>																
47101 CHUNCHON	3754N	12744E	75		997.6	1006.3	21.3	.1	18.1	.3	11	122	-11	4	156	75
47105 KANGNUNG	3745N	12854E	27		1003.3	1006.4	21.2	.9	17.3	-.2	9	157	47	4	157	91
47108 SEOUL	3734N	12658E	87		996.3	1006.1	21.5	.0	17.5	-.7	10	156	23	4	102	54
47115 ULLUNGDO	3729N	13054E	223		981.0	1006.2	19.2	.8	17.4	.2	10	249	149	6	242	142
47133 TAEJON	3618N	12724E	78		998.6	1006.4	22.0	.2	18.6	-.4	7	186	33	3	150	74
47138 POHANG	3602N	12923E	6		1006.5	1006.9	21.6	.9	18.5	.4	5	259	131	5	261	152
47159 PUSAN	3506N	12902E	71		998.9	1006.9	20.8	.5	19.4	.7	7	355	132	5	148	81
47165 MOKPO	3447N	12623E	56		1002.5	1006.7	21.3	.4	19.1	-.7	7	136	-26	3	164	92
47168 YOSU	3444N	12744E	68		999.1	1006.7	21.3	.7	19.4	-.3	7	262	38	4	135	71
47184 CHEJU	3331N	12632E	24		1004.4	1007.1	21.4	.5	19.5	-.4	9	202	19	4	176	95
<b>JAPAN</b>																
47401 WAKKANAI	4525N	14141E	11		1007.2	1008.5	13.9	1.5	12.7	.5	5	45	-19	2	206	121
47407 ASAHIKAWA	4346N	14222E	116		994.4	1008.0	17.6	1.2	13.9	.5	8	48	-22	2	214	114
47409 ABASHIRI	4401N	14417E	43		1003.5	1008.6	14.2	1.4	12.3	.2	10	53	-22	3	216	124
47412 SAPPORO	4303N	14120E	26		1005.0	1008.1	17.1	1.0	13.5	-.1	7	69	3	4	219	114
47418 KUSHIRO	4259N	14424E	37		1004.8	1009.5	11.7	.3	11.9	.0	8	177	56	5	137	102
47420 NEMURO	4320N	14535E	39		1004.6	1009.3	10.5	.0	11.1	-.3	8	189	86	6	157	110
47421 SUTTSU	4248N	14014E	38		1003.6	1008.1	15.5	1.1	13.8	.1	9	61	2	4	190	103
47426 URAKAWA	4210N	14247E	37		1004.9	1009.3	13.0	-.1	13.8	.5	8	92	-26	3	156	99
47430 HAKODATE	4149N	14045E	43		1003.6	1008.7	16.0	.7	14.3	.2	9	93	12	4	180	105
47575 AOMORI	4049N	14046E	3		1007.8	1008.2	17.3	.5	15.0	-.1	8	117	32	5	136	74
47582 AKITA	3943N	14006E	21		1005.5	1008.0	19.8	1.2	17.3	.8	10	94	-23	2	161	89
47585 MIYAKO	3939N	14158E	46		1003.3	1008.7	16.5	.3	15.1	-.2	9	73	-35	2	139	93
47598 ONAHAMA	3657N	14054E	5		1008.4	1009.0	18.9	.7	18.4	.7	11	123	-33	2	124	86
47600 WAJIMA	3723N	13654E	14		1006.6	1008.2	20.2	.9	18.6	.6	13	176	15	4	123	72
47602 AIKAWA	3802N	13815E	17		1006.1	1008.1	19.9	1.0	19.1	1.6	10	125	0	3	126	73
47605 KANAZAWA	3635N	13638E	33		1004.4	1008.2	21.9	1.1	20.0	1.2	13	136	-71	2	127	83
47618 MATSUMOTO	3615N	13758E	611		939.2	1007.5	20.2	.9	16.1	.4	10	63	-90	1	145	89
47624 MAEBASHI	3624N	13904E	113		995.3	1008.2	22.5	1.6	18.0	-.1	10	92	-77	1	128	108
47636 NAGOYA	3510N	13658E	56		1002.0	1008.4	22.6	.6	20.2	.7	14	162	-55	3	119	82

# SURFACE

## JUNE 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.
					mb	mb	°C	°C	mb	mb	mm	mm	hr	%		
47648 CHOSHI	3544N	14052E	28		1005.7	1008.9	20.0	.6	20.6	1.0	12	69	-104	1	107	78
47655 OMAEZAKI	3436N	13813E	47		1003.2	1008.5	22.0	.8	22.4	.9	14	172	-108	1	138	93
47662 TOKYO	3541N	13946E	36		1004.4	1008.5	23.2	1.5	19.6	.7	10	85	-100	1	104	85
47663 OWASE	3404N	13612E	27		1005.4	1008.5	22.0	.7	21.6	1.0	16	357	-106	3	83	70
47675 OSHIMA	3445N	13222E	79		999.5	1008.7	21.5	1.8	21.9	1.6	14	128	-237	0	98	89
47678 HACHIJOJIMA	3306N	13947E	80		1000.2	1009.5	22.6	.6	23.8	.6	14	412	62	4	78	74
47740 SAIGO	3612N	13320E	31		1004.0	1007.6	20.4	.7	18.9	.1	9	129	-38	2	157	87
47741 MATSUE	3527N	13304E	22		1005.2	1007.8	22.1	1.2	19.6	-2.2	10	94	-102	1	142	83
47750 MAIZURU	3527N	13519E	22		1005.9	1008.5	21.6	.3	19.6	.3	16	142	-42	2	109	76
47755 HAMADA	3454N	13204E	20		1005.4	1007.7	21.7	1.0	20.5	.8	9	115	-85	2	136	83
47772 OSAKA	3441N	13531E	83		998.8	1008.2	23.7	.7	20.1	.8	13	146	-60	2	120	79
47778 SHIONOMISAKI	3327N	13546E	75		999.6	1008.2	22.2	.5	23.0	1.1	18	414	41	4	116	81
47800 IZUHARA	3412N	12918E	19		1005.0	1007.1	21.5	1.0	19.8	.0	9	372	55	4	167	125
47807 FUKUOKA	3335N	13023E	15		1005.7	1007.3	23.2	.9	19.8	-.8	11	201	-55	2	149	101
47815 OITA	3314N	13137E	13		1006.5	1008.0	22.2	.4	20.9	.2	15	242	-24	3	124	90
47817 NAGASAKI	3244N	12952E	35		1003.4	1007.4	22.8	.5	20.8	-.8	14	264	-68	2	130	90
47827 KAGOSHIMA	3133N	13033E	31		1004.4	1007.9	23.7	.3	21.8	-1.0	17	552	153	4	101	82
47830 MIYAZAKI	3155N	13125E	7		1006.1	1007.8	23.1	.3	22.4	-.4	18	702	326	5	101	71
47837 TANEGASHIMA	3044N	13100E	18		1006.0	1008.1	23.8	.3	25.3	.6	22	665	314	5	109	79
47843 FUKUE	3242N	12850E	26		1004.2	1007.2	21.9	.5	20.1	-1.6	15	356	10	3	130	93
47887 MATSUYAMA	3350N	13247E	34		1004.1	1008.0	22.5	.5	19.9	.4	15	139	-93	2	128	82
47891 TAKAMATSU	3419N	13403E	10		1006.8	1007.9	23.1	1.0	20.3	.4	15	98	-66	2	129	76
47898 SHIMIZU	3243N	13301E	33		1004.4	1008.1	22.8	.2	23.1	.4	17	492	148	5	115	77
47899 MUROTOMISAKI	3315N	13411E	186		986.9	1008.3	21.5	.5	22.7	.9	14	317	-45	3	110	77
47909 NAZE	2823N	12930E	7		1007.4	1008.3	26.4	.8	25.7	-.6	13	253	-153	1	132	101
47918 ISHIGAKIJIMA	2420N	12410E	7		1006.7	1007.5	27.1	-.6	28.3	-2.9	9	321	119	5	183	92
47927 MIYAKOJIMA	2447N	12517E	41		1003.1	1007.7	26.8	.0	28.1	-2.2	8	275	58	4	184	95
47936 NAHA	2612N	12741E	53		1002.4	1008.4	26.6	.4	27.4	-1.7	9	222	-30	3	184	103
47945 MINAMIDAITOJIMA	2550N	13114E	20		1007.7	1010.0	26.5	.2	31.2	1.4	8	250	43	3	238	119
47971 CHICHIJIMA	2705N	14211E	8		1012.0	1012.9	25.4	-.3	28.9	.4	8	161	34	4	177	89
47991 MINAMITORISHIMA	2418N	15358E	9		1014.0	1014.9	26.7	-.7	27.2	-1.0	3	42	-28		269	93
<b>THAILAND</b>																
48327 CHIANG MAI	1847N	09859E	314		969.7	1004.9	26.6	-.7	28.7	.5	12	92	-40	2	105	58
48354 UDON THANI	1723N	10248E	182				29.2	1.0	26.4	-3.4	13			3		
48378 PHITSANULOK	1647N	10016E	45		1000.8	1005.9	29.2	.7	31.6	1.6	13	255	72	5	157	85
48400 NAKHON SAWAN	1548N	10010E	35		1002.1	1006.1	28.8	-.7	30.8	.9	12	205	88	5	139	76
48455 BANGKOK	1344N	10034E	20		1006.7	1007.2	29.8	1.1	29.9	-.6				0	184	103
48462 ARANYAPRATHET	1342N	10235E	49		1001.9	1007.3	28.8	.7	31.2	.7	14	219	39	4		
48480 CHANTHABURI	1236N	10207E	4		1007.1	1007.5	28.0	.6	30.4	-.7	22	462	-51	6	142	108
48500 PRACHUAP KHIRIKHAN	1150N	09950E	5		1006.9	1007.5	29.3	1.3	29.1	-.1	6	43	-52	1		
48517 CHUMPHON	1029N	09911E	5		1007.9	1008.4	28.2	.9	31.0	1.2	8	48	-126	0		
48568 SONGKHLA	0712N	10036E	5		1008.1	1008.9	28.7	.2	29.3	-.3	6	79	-22	2	214	104
<b>CHINA</b>																
50527 HAILAR	4913N	11945E	611		935.1	1004.4	18.3	1.1	9.6	-1.6	5	22	-37	1	201	67
50745 QIQIHAR	4723N	12355E	148		986.2	1003.3	22.1	1.8	13.1	-1.0	5	33	-31	1	265	91
51431 YINING	4357N	08120E	663		935.0	1009.3	21.9	1.3	14.8	1.0	5	28	1	3	314	108
51463 URUMQI	4347N	08737E	919		904.8	1007.2	22.8		11.0		3	35		5	297	105

# SURFACE

JUNE 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.
					mb	mb	°C	°C	mb	mb	mm	mm	mm	hr	%	
51709 KASHI	3928N	07559E	1291		865.7	1002.7	24.2	.6	11.4	1.3	3	18	12	5	335	108
51777 RUOQIANG	3902N	08810E	889		904.9	1000.7	26.8	1.7	12.2	2.2	2	11	7	4	266	89
52203 HAMI	4249N	09331E	739		920.9	1001.3	26.7	2.0	12.2	1.6	1	4	-2	3	336	100
52533 JIUQUAN	3946N	09829E	1478		846.8	1003.4	21.1	1.4	10.2	.0	3	18	5	4	270	93
52836 DULAN	3618N	09806E	3192		690.7		13.1	.9	6.3	.4	9	49	8	4	207	76
52889 LANZHOU	3603N	10353E	1518		843.5		21.5	1.4	10.7	-1.3	5	64	28	4	267	108
53068 ERENHOT	4339N	11200E	966		898.5	1004.9	19.6	- .9	9.8	1.4	6	49	33	5	254	79
53614 YINCHUAN	3829N	10613E	1112		884.3	1004.7	22.3	1.0	12.4	-1.0	3	38	20	5	275	93
53772 TAIYUAN	3747N	11233E	779		918.9	1005.2	21.5	- .1	15.3	.7	8	73	19	4	225	86
54292 YANJI	4253N	12928E	178		985.8	1006.5	19.4	1.7	15.0	.3	11	53	-31	1	189	95
54342 SHENYANG	4146N	12326E	43		999.2	1004.9	22.0	.3	16.7	- .3	8	90	4	3	185	75
54511 BEIJING	3956N	11617E	55		1000.8	1004.5	24.7	.5	16.9	- .8	7	66	-4	3	240	88
54857 QINGDAO	3604N	12020E	77		997.5	1006.3	20.5	.6	19.2	- .1	9	148	66	4	144	66
55591 LHASA	2940N	09108E	3650		651.7		14.3	-1.2	9.9	1.3	20	193	121	6	227	87
56137 QAMDO	3109N	09710E	3307		680.2		14.4	- .5	10.6	1.4	19	111	19	4	137	69
56294 CHENGDU	3040N	10401E	508		948.6	1005.8	23.9	.4	22.0	-1.4	8	51	-51	1	101	80
56571 XICHANG	2754N	10216E	1599		835.4		20.6	- .6	17.6	- .2	18	243	61	4	106	72
56739 TENGCHONG	2507N	09829E	1649		830.2		19.6	.1	19.8	.1	26	340	55	5	96	103
56778 KUNMING	2501N	10241E	1892		806.9		19.9	.3	17.5	- .3	13	166	-7	3	102	72
56985 MENGZI	2323N	10323E	1302		864.3	1003.1	23.1		20.7		13	133	4	116	80	
57036 XI'AN	3418N	10856E	398		959.2	1003.7	26.6	1.8	17.5	- .5	3	47	-4	3	203	96
57083 ZHENGZHOU	3443N	11339E	111		992.0	1004.7	25.7	- .2	20.0	1.2	9	142	81	5	165	67
57461 YICHANG	3042N	11118E	134		989.5	1004.8	25.6	.3	24.3	.1	9	219	68	5	102	61
57745 ZHIJIANG	2727N	10941E	273		974.1	1005.0	24.8	.3	25.9	.6	10	192	-4	3	104	68
57993 GANZHOU	2551N	11457E	125		990.1	1005.9	26.8	.0	25.8	-1.4	11	165	-44	3	160	95
58362 SHANGHAI	3124N	12128E	4		1005.6	1006.2	24.6		23.7		7	100	2	133	85	
58606 NANCHANG	2836N	11555E	50		999.4	1005.0	26.1	.5	27.1	.0	13	522	240	5	161	101
59287 GUANGZHOU	2308N	11319E	8		1001.1	1006.0	27.6	.3	29.3	-1.5	18	330	73	4	96	65
59316 SHANTOU	2324N	11641E	3		1006.0	1006.9	26.9	.4	28.8	-1.3	14	299	-3	3	157	96
59431 NANNING	2249N	10821E	73		989.9	1004.2	27.3	- .3	29.9	.0	15	175	-40	3	144	82
59758 HAIKOU	2002N	11021E	24		1002.7	1004.7	29.4	1.3	31.2	- .5	8	98	-113	1	198	88
<b>AFRICA</b>																
<b>MADEIRA</b>																
08522 FUNCHAL	3238N	01654W	56		1012.0	1018.8	21.2	1.8	18.1	.9	0	T	-12	1	198	122
<b>SPAIN (CANARY ISLANDS)</b>																
60020 SANTA CRUZ DE TENE- RIFE, CM	2827N	01615W	36		1012.7	1017.1	24.0	1.9	17.5	1.5	0	T	-1	4	330	110
60030 LAS PALMAS DE GRAN CAN./GAN.	2756N	01523W	47		1011.0	1016.5	22.7	1.3	16.1	- .9	0	0	-1	5	338	125
60040 LANZAROTE/AEROPUERTO	2857N	01336W	21		1014.0	1016.4	23.1	1.5	17.1	.1	0	0	-1	5	278	103
<b>WESTERN SAHARA</b>																
60096 VILLA CISNEROS	2342N	01552W	10		1013.1	1014.5	21.8								316	125
<b>MOROCCO</b>																
60101 TANGER(AERODROME)	3544N	00554W	21		1013.5	1015.3	23.0	2.4	18.8						345	110
60115 OUJDA	3447N	00156W	470		961.9	1013.9	24.7	3.8	16.1		2	9	-2	4	326	120

# SURFACE

## JUNE 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.		
					mb	mb	°C	°C	mb	mb		mm	mm		hr			
60120 KENITRA	3418N	00636W	14		1013.3	1015.0	23.0	2.4	20.3							308	100	
60135 RABAT-SALE	3403N	00646W	75		1005.8	1014.9	21.8	2.0	20.6							287	95	
60150 MEKNES	3353N	00532W	549		950.9	1013.4	23.1	1.9	18.1	2	25	13	5	319	105			
60155 CASABLANCA	3334N	00740W	62		1008.1	1014.8	22.2	2.0	21.0	1	3	-2	3	288	65			
60195 MIDELT	3241N	00444W	1515		851.3	1543 Y	23.8	4.0	11.5	1	7	-11	2	317	75			
60220 ESSAOUIRA	3131N	00947W	8		1013.5	1014.4	19.4	.8	18.7					261	90			
60230 MARRAKECH	3137N	00802W	466		960.8	1013.0	26.0	2.2	15.3	1	15	11	5	324	100			
<b>60265 OUARZAZATE</b>	3056N	00654W	1140		889.0	1596 Y	28.0	2.1	8.5	3	9	7	5	303	70			
60318 TETUAN/SANIA RAMEL	3535N	00520W	10		1014.5	1015.7	23.9		20.3	1	1		1	313	105			
<b>SPAIN (CEUTA AND MELILLA)</b>																		
60338 MELILLA	3517N	00257W	55		1008.4	1014.7	24.3	2.8	20.4	2.3	0	T	-6	1	267	103		
<b>ALGERIA</b>																		
60351 JIJEL ACHOUAT	3653N	00549E	10		1013.6	1014.8	25.3		21.4	0	T			331	75			
60353 JIJEL PORT	3650N	00547E	2		1013.9	1021.0	25.7		23.7	0	T			348	80			
60360 ANNABA	3650N	00749E	4		1013.5	1014.5	24.5	3.2	22.0	0	0	-14	1	318	70			
60367 EL-KALA	3654N	00827E	10		1014.4	1016.0	25.9		23.5	0	T							
60387 DELLYS	3655N	00357E	12		1013.3	1013.9	23.8		21.5	0	0			322				
60390 DAR-EL-BEIDA	3643N	00315E	25		1011.6	1014.8	25.4	4.1	21.0	0	0	-16	1	328	75			
60395 TIZI-OUZOU	3642N	00403E	195		996.3	1013.8	27.1		18.8	00	0		1	305				
60402 BEJAIA	3643N	00504E	2		1014.5	1015.3	24.6	3.6	21.9	0				326				
60403 GUELMA	3628N	00728E	227		989.3	1015.1	26.6		17.9	0	0							
60410 TENES	3630N	00120E	59		1013.6	1015.6	24.1		22.1	0	0			327	75			
60417 BOUIRA	3623N	00354E	635		951.1	1013.0	26.7		16.4	2	10			322	70			
60419 CONSTANTINE	3617N	00637E	694		937.8	1014.1	25.3	3.8	15.2	01	1	-19	2	324	75			
60421 OUM EL BOUAGHI	3553N	00707E	889		916.1	1543 Y	24.7		13.4	5	29							
60423 SOUK AHRAS	3617N	00758E	680		938.8	1013.9	25.2		15.0	1	4			310				
60425 CHLEF	3613N	00120E	143		997.2	1014.3	29.4	4.6	14.6	0	0	-10	1					
60430 MILIANA	3618N	00214E	715		934.9	1013.5	27.5	5.3	15.2	0	T	-16	1	343				
60437 MEDEA	3616N	00245E	981		901.2	1546 Y	25.4		14.2	1	7			344				
60444 BORDJ BOU ARRERIDJ	3604N	00446E	928				25.3		12.8	5	54			334				
60452 ARZEW	3549N	00016W	3		1013.8	1014.3	20.7		22.2	0	0			260	60			
60457 MOSTAGANEM VILLE	3553N	00007E	137		998.0	1014.0	24.5		20.4	01	1			307				
60461 ORAN PORT	3542N	00039W	22		1011.9	1014.5	23.5		20.8	0	T							
60467 M'SILA	3540N	00430E	441		966.0	1012.6	30.0		16.4	2	28			335	75			
60476 KHENCHELLA	3525N	00709E	1116		906.8	1548 Y	24.6		13.2	5	42			325				
60490 ORAN/ES SENIA	3538N	00036W	90		1003.5	1013.7	24.6	2.8	20.3	0	T	-8	1	302	95			
60506 MASCARA METMORE	3536N	00018E	474		960.7	1013.6	26.4		18.3	2	4			322	75			
60514 KSAR CHELLALA	3510N	00219E	800		926.2		27.0		12.0	3	12			309	70			
60515 BOU-SAADA	3520N	00412E	461		964.2	1014.9	30.6		12.7	2	4			313				
60517 GHAZAOUET	3506N	00152W	83		1014.8	1015.4	24.3		22.2	1	2							
60518 BENI-SAF	3518N	00121W	68		1005.1	1013.2	24.1		22.7	1	3			270	60			
60520 SIDI BEL ABBES	3511N	00237W	450		961.5	1014.4	26.0		16.5	2	11			312	70			
60525 BISKRA	3448N	00544E	87		1003.4	1013.4	32.4	2.5	13.8	1	2	-3	3	366				
60531 TLEMEN (ZENATA)	3501N	00128W	247		986.5	1014.6	24.4		18.0	1				301	70			
60540 EL KHEITER	3409N	00004E	1000		902.0	1520 Y	26.9		9.9	3	10			301	70			
60545 LAGHOUAT	3346N	00256E	765		929.5	1513 Y	29.3		12.0	0	0			336	75			
60550 ELBAYADH	3340N	00100E	1341		869.6	1547 Y	25.4		8.1	2	5			325				

## SURFACE

JUNE 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 <sub>c</sub>	O <sub>c</sub>	mb	mb		mm	mm		hr	
60557 NAAMA	3316N	00018W	1166		886.7	1537 Y	27.2		10.1		1	6			314	
60559 EL OUED	3330N	00607E	63		1005.4	1013.0	31.6	1.8	15.6		0	0	-2	2	370	
60560 AIN SEFRA	3246N	00036W	1058		895.4	1523 Y	28.6		11.0		01	1			324	
60566 GHARDAIA	3223N	00349E	450		961.9	1013.0	31.5	1.5	11.0		0	0	-2	3	350	
60571 BECHAR	3137N	00214W	773		922.9	1539 Y	32.2	2.9	7.9		0	T	-2	2	347	80
60580 OUARGLA	3155N	00524E	141		995.3	1011.6	33.0		13.9		0	0			325	
60581 HASSI-MESSAOUD	3140N	00609E	142		995.9	1011.9	33.0	1.1	12.4		0	0	-1	4		
60590 EL GOLEA	3034N	00252E	397		967.2	1011.4	32.3	1.6	11.9						339	80
60607 TIMIMOUN	2915N	00017E	312		973.8	1008.4	35.0	2.0	8.0		0	0	-1	5	355	
60611 IN AMENAS	2803N	00938E	562		948.3	1009.2	31.7	.4	16.6		0	0	-1	4	328	
60620 ADRAR	2753N	00017W	263		976.7	1008.3	36.0	2.4	7.5		0	0	-1	5	329	
60630 IN SALAH	2712N	00228E	293		978.7	1008.0	36.0	.4	9.3		0	0	-1	5	332	
60640 ILLIZI	2630N	00825E	558		949.3	1007.9	33.3		13.5		0	0				
60656 TINDOUF	2740N	00808W	431		958.9	1007.6	31.7		11.8		1	1			323	
60670 DJANET	2433N	00928E	1054		905.0	1527 Y	31.7	-1	8.4		0	T	-1	4	257	60
60680 TAMANRASSET	2247N	00531E	1378		865.1	1520 Y	28.8	-1	8.6		5	15	12	5	203	
<b>TUNISIA</b>																
60715 TUNIS-CARTHAGE	3650N	01014E	4		1014.3	1014.8	27.6	4.4	20.5		1	7	-3	3	350	113
60725 JENDOUBA	3629N	00848E	144		998.8	1014.9	27.2	3.5	16.8		1	9	-9	3	273	89
60735 KAIROUAN	3540N	01006E	68		1007.4	1015.1	28.9	3.5	16.0		3	8	-2	4	335	103
60745 GAFSA	3425N	00849E	314		979.3	1014.6	28.1	2.0	14.5		1	2	-6	3		
60765 GABES	3353N	01006E	5		1014.4	1015.0	25.9	1.9	21.7		0	0	-3	3	343	107
<b>NIGER</b>																
61017 BILMA	1841N	01255E	357		967.2	1005.8			17.1		00	T		5	250	
61024 AGADEZ	1658N	00759E	502			1006.4	33.9		15.0		2	4		2		
61036 TILLABERY	1412N	00127E	210		985.9	1009.1	31.2		24.8		8	94		5	209	75
61045 GOURE	1359N	01018E	460		959.7		31.0		20.6		8	92		0	224	
61049 N' GUIGMI	1415N	01307E	286		956.0	1007.5	32.0		23.4		5	37		5	253	90
61052 NIAMEY-AERO	1329N	00210E	227		984.3	1008.9			24.8		9	116		4	224	85
61075 BIRNI-N' KONNI	1348N	00515E	273		978.8	1008.8	31.6		23.7		6	58		3	216	75
61080 MARADI	1328N	00705E	373		966.3	1007.1	30.6		24.6		6	57		3	247	85
61090 ZINDER	1347N	00859E	453		958.7	1008.1	30.8		22.7		6			0	250	90
61096 MAINE-SOROA	1314N	01159E	337		971.0	1008.1	30.4		24.5		5			5	253	
<b>MALI</b>																
61202 TESSALIT	2012N	00059E	491		953.9	1005.9	35.6		11.1		5	13	7		176	106
61223 TOMBOUCTOU	1643N	00300W	264		979.5	1008.3	34.1		19.7		2	20	6	5	200	85
61226 GAO	1616N	00003W	260		979.6	1008.0	34.4	-7			3	37	15		141	62
61233 NARA	1510N	00717W	265				32.6	.0	22.5		4					
61240 HOMBORI	1520N	00141W	288			1008.1	33.4	-8	22.5		5	45	8	1		
61250 MENAKA	1552N	00213E	278				33.4		21.0		3	54	31			
61257 KAYES	1426N	01126W	47		1005.2	1010.5	33.3	1.1	23.8		9	28	-54	1		
61265 MOPTI	1431N	00406W	272		979.0	1009.0	31.2	-4	23.6		10	131	75			
61272 SEGOU	1324N	00609W	289		977.9	1009.7	30.3	-1	26.6		5	83	12	3	226	89
61277 SAN	1320N	00450W	284		978.7	1010.1	29.8	-6	26.5		7	115	26	5	239	96
61285 KENIEBA	1251N	01114W	132		966.2	1010.9	29.9	.4	27.1			176	16	1	216	94
61291 BAMAKO/SENOU	1232N	00757W	381		969.4	1009.9	27.8	-1.3	26.4		12	143	22		226	97

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O°	O°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
61293 KOUTIALA	1223N	00528W	367		969.6	1010.1	31.7	3.2	28.2		12	159	33	4	247	95
61296 BOUGOUNI	1125N	00730W	351		971.7	1010.6	27.1	-.5	27.8		14	202	56	5		
61297 SIKASSO	1121N	00541W	375				26.9	-.8	27.4		15			5		
<b>MAURITANIA</b>																
61401 BIR MOGHREIN	2514N	01137W	360		970.7	1010.5	29.7		16.2		0	0		2		
61404 ZOUERATE	2245N	01229W	343		973.1	1010.9	31.2		14.3		0	T		4		
61415 NOUADHIBOU	2056N	01702W	3		1012.7	1013.2	22.0		22.3		0	0		2		
61442 NOUAKCHOTT	1806N	01557W	3		1011.4	1011.8	25.3		22.3		0	T		1		
61450 TIDJIKJA	1834N	01126W	402		965.3		35.6		14.4		2	37		4		
61461 BOUTILIMIT	1732N	01441W	75		1003.0	1011.6	32.0		23.2		0	0		5		
61498 KIFFA	1638N	01124W	115				36.6		1007.8			39		0		
61499 AIOUN EL ATROUSS	1642N	00936W	223		983.5	1007.9	36.1		18.7		2	20		5		
<b>SENEGAL</b>																
61627 LINGUERE	1523N	01507W	21		1008.4	1010.7	30.8		25.7	6.0	3	61	34	5	246	102
61630 MATAM	1539N	01315W	17		1008.0	1009.8	34.1		25.8	6.4	3	25	0	3	203	75
61641 DAKAR/YOFF	1444N	01730W	24		1009.3	1012.7	25.4		26.2	.5	2	83	73	6	171	68
61679 KAOLACK	1408N	01604W	7		1012.2	1013.0	29.2		27.6						254	98
61687 TAMBACOUNDA	1346N	01341W	50		1005.2	1010.9	31.2		24.0	-.5	8	108	7	1	216	94
<b>OCEAN ISLANDS (UK)</b>																
61901 ST. HELENA IS.	1556S	00504W	436		968.4	1019.1	18.4	-7.5			8	41	-259		174	121
<b>MAURITIUS</b>																
61974 AGALEGA	1026S	05645E	3		1012.8	1013.3	26.2	.4	26.5	.0	10	86	0	3	214	
<b>OCEAN ISLANDS (FRANCE)</b>																
61976 SERGE-FROLOW (ILE TROMELIN)	1553S	05431E	13		1014.7	1016.4	25.2		22.7		7	27		6	198	
61980 SAINT-DENIS/GILLOT (REUNION)	2053S	05531E	25			1018.8	22.0		17.2		5	25		6	236	
<b>MAURITIUS</b>																
61986 ST. BRANDON (ST. RAPHAEL)	1627S	05937E	4		1015.5	1015.9	25.0	.5	22.9	-1.4	8	23	-31	1		
61988 RODRIGUES	1941S	06325E	59		1011.5	1017.8	22.9	.1	19.1	-1.5	13	61	-12	3	215	96
61990 PLAISANCE (MAURITIUS)	2026S	05740E	57		1013.4	1019.3	21.9	.1	19.7	-.9	12	109	8	4	195	110
<b>OCEAN ISLANDS (FRANCE)</b>																
61998 PORT-AUX-FRANCAIS (ILES KERG)	4921S	07015E	30		1004.2	1007.8	3.0	.6	6.2		9	49	-7	2	84	118
<b>EGYPT</b>																
62306 MERSA MATRUH	3120N	02713E	29		1008.3	1011.8	24.0	.6	21.5	.8					198	56
62337 EL ARISH	3105N	03350E	38		1005.4	1009.0	24.9	.6	22.1	2.0						
62378 HELWAN	2952N	03120E	141		996.1	1012.4	28.5	1.2	16.2	1.3					345	97
62414 ASSWAN	2358N	03247E	194		984.6	1006.0	34.3	.8	8.3	.3					362	100
62435 KHARGA	2527N	03032E	73		997.9	1006.8	33.1	.5	17.4	4.0					357	99
<b>SUDAN</b>																
62600 WADI HALFA	2149N	03129E	183		985.5	1005.8	34.5	1.4	11.5		0	0	0	5	339	85
62640 ABU HAMED	1932N	03319E	312		969.8	1003.9	36.2	.9	18.0		0	0	-1	5	328	80



# SURFACE

JUNE 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	°C	°C	mb	mb		mm	mm		hr		
62641 PORT SUDAN	1935N	03713E	2		1000.9	1005.6			14.7			0	0	-1	5	271	65
62650 DONGOLA	1910N	03029E	226		968.5	1006.4	35.4	1.4	7.1			0	0	-1	5	339	70
62660 KARIMA	1833N	03151E	249		978.3	1005.0	35.8	.7	18.7			0	0	-1	5	319	80
62680 ATBARA	1742N	03358E	345		965.4	1003.0	35.9	.4	12.8			00	T	-1	5	275	70
62721 KHARTOUM	1536N	03233E	380		961.9	1004.2	34.7	.4	16.8			1	44	39	3		
62730 KASSALA	1528N	03624E	500				31.4	-1.3	18.3			1	2	-25	5	164	100
62751 WAD MEDANI	1424N	03329E	408		962.4	1006.9	31.1	-1.2	19.3			2	38	10	2	253	65
62752 GEDAREF	1402N	03524E	599		940.9	1006.6	30.4	.3	20.9			12	118	28	1	273	100
62760 EL FASHER	1337N	02520E	730		949.1	1006.1	32.7	2.0	14.5			1	16	2	3	222	55
62762 SENNAR	1333N	03337E	418		959.2	1005.2	31.5	.0	21.4			6	37	-29	2	231	60
62770 GENEINA	1329N	02227E	805		922.2	1008.6			16.7			1	12	-33	4	249	65
62771 EL OBEID	1310N	03014E	574		943.7	1006.5	30.7	-.3	21.0			5	50	28	2	193	65
62772 KOSTI	1310N	03240E	381		964.9	1006.8	31.7	-.2	22.0			4	39	-4	3	243	65
62781 EN NAHUD	1242N	02826E	564		946.6	1008.2	31.2	.5	20.3			4	40	-5	3	218	55
62790 NYALA	1203N	02453E	674		937.7	1008.3	29.4	.3	20.9			8	110	61	2		
62795 ABU NA'AMA	1244N	03408E	445		957.9	1007.1	30.0	-.1	21.2			9	69	-31	2	221	55
62805 DAMAZINE	1147N	03423E	470		954.8	1006.7	28.9	-.2	22.3			5	37	-77	3	169	80
62810 KADUGLI	1100N	02943E	499		954.4	1010.0			23.8			10	103	4	1	185	50
62840 MALAKAL	0933N	03139E	388		968.2	1009.8	26.9	-.8	24.7			11	152	49	1	180	80
62941 JUBA	0452N	03136E	457		958.0	1004.7	27.5	.6	25.3			11	91	-28	2	231	70
<b>ETHIOPIA</b>																	
63331 GONDAR	1232N	03725E	1667						5.7			20	224	223			120
63402 JIMMA	0740N	03650E	1725		835.8				6.1			22	266	265			115
63450 ADDIS ABABA-BOLE	0902N	03845E	2354		754.6				4.8			22	156	155			95
63471 DIREDAWA	0936N	04151E	1260		881.9		29.8	-4.4	8.2			6	67	66			100
<b>KENYA</b>																	
63686 ELDORET	0032N	03517E	2133		791.0	1502 Y	17.1		14.4			10	103				
63723 GARISSA	0028S	03938E	147		995.9	1012.0	27.8	-.1	22.8	2.4		1	2				
63740 NAIROBI/KENYATTA AIRPORT	0119S	03655E	1624		840.7	1525 Y	19.4		15.6			2	7				
<b>UNITED REPUBLIC OF TANZANIA</b>																	
63756 MWANZA	0228S	03255E	1140		888.4	1523 Y	23.1		17.1								
<b>KENYA</b>																	
63799 MALINDI	0314S	04006E	23		1012.7		26.2		28.4			16	149				
<b>UNITED REPUBLIC OF TANZANIA</b>																	
63832 TABORA AIRPORT	0505S	03250E	1190		883.4	1509 Y	22.5		14.5								
63862 DODOMA	0610S	03546E	1120		892.6	1539 Y	21.5		14.5								
63894 DAR ES SALAAM AIRPORT	0652S	03912E	55		1009.3	1015.6	25.6		24.5								
63962 SONGEA	1041S	03535E	1067		900.0	1554 Y	18.6		12.2								
63971 MTWARA	1016S	04011E	113		1002.6	1015.5	25.6		21.9								
<b>SEYCHELLES</b>																	
63980 SEYCHELLES INT. AIRPORT	0440S	05531E	3		1010.4	1010.8	26.8	.2	28.4	.8		18	197	134	5	157	68
<b>RWANDA</b>																	

# SURFACE

## JUNE 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	°C	°C	mb	mb		mm	mm		hr	
64387 KIGALI	0158S	03007E	1497		852.3	1517 Y	21.2		15.6		0	T	-20			
<b>CONGO</b>																
64400 POINTE-NOIRE	0449S	01154E	17		1011.0	1013.0	40.0		25.6		0	2		5	303	
64401 LOUBOMO	0412S	01242E	330		972.4	1010.9	23.9		23.5		0	0				
64405 SIBITI	0341S	01321E	531				21.6		23.0		3	14				
64450 BRAZZAVILLE/MAYA-MAYA	0415S	01515E	316		976.2	1011.6	24.4		23.9		2	7		3	168	115
64458 OUESSO	0137N	01603E	352		971.3	1010.7	23.9		27.5		9	217		4		
64459 IMPFONDO	0137N	01804E	326				25.2		28.1		5	42		1		
<b>GABON</b>																
64500 LIBREVILLE	0027N	00925E	15		1010.9	1012.3	26.0	.6	27.5		2	47	-7	1	123	95
64501 PORT-GENTIL	0042S	00845E	4				25.2	.8	26.9		2				169	108
64503 MAYUMBA	0325S	01039E	34		1008.9	1013.0	23.8	.4	26.8		0	0	-5			
64504 COCOBEACH	0100N	00936E	13		1011.8	1013.4	25.6	.0	28.5		9					
64507 TCHIBANGA	0251S	01101E	79				23.9	-.4	26.3		1	20	15			
64510 BITAM	0205N	01129E	599				23.7	-.6	25.3		13	107	-24			
64550 MOUILA	0152S	01101E	89		1002.4	1012.4	23.9	-.9	26.1		3					
<b>CHAD</b>																
64706 MOUNDOU	0834N	01604E	410		962.7	1009.4	26.4		27.1	1.4	11	199	52		221	105
<b>BENIN</b>																
65306 KANDI	1108N	00256E	292		977.9	1010.4	28.0	-.1	27.6	.8	9	121	-31	2	234	93
65319 NATITINGOU	1019N	00123E	461		960.4	1011.5	25.9	-.5	26.5	.6	16	254	115	6	176	85
65330 PARAKOU	0921N	00237E	393		967.8	1011.5	26.4	.3	27.3	1.4	13	224	52	4	178	90
65335 SAVE	0802N	00228E	200		988.8	1011.3	26.0	-.4	28.7	2.0	16	222	60	5	165	95
65338 BOHICON	0710N	00204E	167		993.4	1012.2	26.3	-.1	28.9	1.1	8	113	-62	2	140	82
65344 COTONOU	0621N	00223E	9		1010.8	1011.8	26.9	.4	30.3	.8	14	279	-77	2	123	87
<b>TOGO</b>																
65352 MANGO	1022N	00028E	146		994.4	1010.2	27.4	-.1	29.6		8	146	10	4		
65361 SOKODE	0859N	00109E	387		967.0	1011.8	25.1		29.6		16	189	3	3		
65376 ATAKPAME	0735N	00107E	402		966.1	1012.2	24.9	.0	25.9		14	281	86	5		
65387 LOME	0610N	00115E	25		1009.6	1012.4	26.4	.2	30.4		15	204	-47	2	137	97
<b>GHANA</b>																
65442 KUMASI	0643N	00136W	293		980.2	1013.5	26.1		26.5		15	255			129	
<b>BURKINA FASO</b>																
65501 DORI	1402N	00002W	277		978.7	1009.4	30.6		24.7		10	86		4	233	
65502 OUAHIGOUYA	1334N	00225W	336		972.1	1009.2	29.8		24.6		8	178		5	252	
65503 OUAGADOUGOU	1221N	00131W	306		976.6	1010.5	28.5		26.5		14	165			226	85
65505 DEDOUGOU	1228N	00329W	300		977.1	1010.5	28.3		26.1		11	160		5	238	
65507 FADA N' GOURMA	1202N	00022E	309		977.1	1011.4	28.1		26.7		8	117		3	225	
65510 BOBO-DIOULASSO	1110N	00419W	460		960.0	1010.9	26.7		25.8		10	108		2	203	80
65516 BOROMO	1145N	00256W	271		980.6	1010.8	28.1		26.8		12	161		5	216	
65518 PO	1109N	00109W	322		974.3	1010.3	27.0		27.7		11	170		5	214	
65522 GAOUA	1020N	00311W	335		978.5	1011.1	27.0		27.0		10	191		5	203	

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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	
<b>COTE D'IVOIRE</b>																
65545 BONDOKOU	0803N	00247W	370		970.3	1011.9	25.3	.1	26.0	-.6	12	179	19	3		
65557 GAGNOA	0608N	00557W	210		988.8	1012.6	25.0	-.7	27.9	.3	18	236	31	4	115	94
65592 TABOU	0425N	00722W	21		1010.7	1013.0	25.9	.6	28.5	-.3	12	500	-44	3	96	107
65599 SASSANDRA	0457N	00605W	66		1004.6	1012.1	25.4	.0	28.7	.3	18	374	-155	2	129	115
<b>COMOROS</b>																
67005 DZAOUZI/PAMANZI (MAYOTTE)	1248S	04517E	7		1015.1	1015.5	26.1		24.9		1	3		6	251	
<b>MADAGASCAR</b>																
67009 DIEGO-SUAREZ	1221S	04918E	105		1012.9	1014.9	23.9	-.2	18.0	-3.0	3	3	-16	2		
67073 MAINTIRANO	1803S	04402E	23		1013.8	1016.4	24.3	1.4	22.3	1.1	1	1	-1	4		
67083 ANTANANARIVO/IVATO	1848S	04729E	1276		878.4	1552 Y	14.9	.3	13.4	.3	1	2	-5	2	219	106
67095 TAMATAVE	1807S	04924E	6		1018.2	1018.9	21.9	.8	22.3	.5	21	277	18	3	187	115
67161 TULEAR	2323S	04344E	8		1017.5	1018.4	21.9	1.2	20.4	7.2	1	2	-12	2		
67197 FORT-DAUPHIN	2502S	04657E	9		1019.7	1020.7	21.0	.8	20.1	1.2	12	155	30	4	190	91
<b>MOZAMBIQUE</b>																
67341 MAPUTO/MAVALANE	2555S	03234E	44		1016.0	1023.5					8			4	194	60
<b>ZAMBIA</b>																
67475 KASAMA	1013S	03108E	1384		865.6	1536 Y	18.4	1.2	12.8		0	0	-1	1		
67633 MONGU	1515S	02309E	1053		900.1	1543 Y	20.1	2.8	20.3		0	0	-1	1		
67663 KABWE	1427S	02828E	1207		884.1	1538 Y	16.8	.9	11.9		0	0	-1	1		
67743 LIVINGSTONE	1749S	02549E	986		908.6	1558 Y	21.5	5.5	13.9		0	0	-1	1		
<b>ZIMBABWE</b>																
67775 HARARE (KUTSAGA)	1755S	03108E	1480				13.6	-.1	10.9		3	20	18	5		
67964 BULAWAYO (GOETZ OBSY.)	2009S	02837E	1344		872.6	1565 Y	13.7		11.2			9	7	5	188	70
<b>SOUTH AFRICA</b>																
68174 PIETERSBURG	2350S	02925E	1237		888.4	1569 Y	12.5		9.7		2	10	5	5	185	71
68242 MMABATHO	2547S	02532E	1251		878.8	1579 Y	12.8		6.1		0	0			280	
68262 PRETORIA	2544S	02811E	1306		878.9	1579 Y	12.4		8.4		2	9	2	4		
68368 JOHANNESBURG INT. AIRPORT	2608S	02814E	1720		837.5	1577 Y	10.1		6.8		2	20	11	5	256	96
68424 UPINGTON	2842S	02127E	850		931.8	1567 Y	12.6		5.3		0	0	-4	3	291	108
68438 KIMBERLEY	2848S	02446E	1196		889.2	1573 Y	9.2		5.5		0	0	-7	2		
68442 BLOEMFONTEIN AIRPORT	2911S	02630E	1359		862.2	1574 Y	6.4		4.4		0	0	-13	1	236	95
68461 BETHLEHEM	2825S	02833E	1690		837.1	1575 Y	7.1		5.8		2	4		3	259	
68512 SPRINGBOK	2967S	01790E	1007		908.8	1561 Y	14.4		4.6		0	0		1	268	
68538 DE AAR	3065S	02400E	1287		879.2	1580 Y			5.2		0	0		1	277	
68588 DURBAN INTNL. AIRPORT	2958S	03095E	14		1022.6	1024.3	17.0		14.0		6	56	28	5	226	101
68816 CAPE TOWN INTNL. AIRPORT	3397S	01860E	46		1018.3	1023.4	12.9		10.7		5	23	-70	1	230	131
68828 GEORGE AIRPORT	3401S	02223E	190		1001.1	1023.9	13.8		10.2		6	21			199	
68842 PORT ELIZABETH	3398S	02562E	69		1015.9	1023.3	13.6		11.5		9	86	24	4	218	105
68858 EAST LONDON	3302S	02750E	125		1009.5	1024.5	14.7		13.1		4	17	-23	2	217	98
68994 MARION ISLAND	4653S	03752E	21		1005.6	1008.3	5.4		7.2		20	167	-37	2	66	116

# 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	
<b>N AMERICA</b>																
<b>USA (ALASKA)</b>																
70026	BARROW/W. POST W. ROGERS	7118N	15647W	4		1015.8	1.4	.3	6.4		1	3	-4	2		
70133	KOTZEBUE, RALPH WIEN	6652N	16238W	5		1010.5	10.7	4.1	9.8		4	17	4	4		
70200	NOME	6430N	16526W	7		1010.0	11.9	4.2	10.1		9	46	18	4		
70219	BETHEL/BETHEL AIRPORT, AK.	6047N	16148W	46		1010.5	12.9	2.6	10.6		11	67	31	5		
70231	MCGRATH	6258N	15537W	103		1010.9	14.7	1.8	10.6		11	56	19	5		
70261	FAIRBANKS/INT.	6449N	14752W	138		1011.3	16.0	.6	8.5		1	8	-26	1		
70273	ANCHORAGE/INT.	6110N	15001W	40		1012.9	13.3	.9	10.0		6	22	-7	3		
70308	ST. PAUL	5709N	17013W	9		1008.0	6.9	1.6	9.1		6	35	4	4		
70316	COLD BAY	5512N	16243W	31		1009.4	9.0	1.4	9.4		15	62	9	4		
70326	KING SALMON	5841N	15639W	15		1010.2	11.4	1.4	10.0		12	59	19	5		
70361	YAKUTAT	5931N	13940W	9		1016.2	10.4	.7	10.8		16	155	-30	4		
70398	ANNETTE ISLAND	5502N	13134W	34		1016.9	13.8	1.4	13.0		13	165	47	4		
<b>USA</b>																
72201	KEY WEST/INT., FL.	2433N	08145W	6		1015.4	28.3	-.1	29.9		14	163	34	4		
72202	MIAMI, FL.	2549N	08017W	4		1015.8	27.9	.5	28.2		15	303	66	4		
72203	WEST PALM BEACH/INT., FL.	2641N	08006W	6		1015.9	27.7	.7	29.3		13	232	27	4		
72205	ORLANDO/JETPORT, FL.	2826N	08119W	32		1015.7	27.0	-.3	26.3		15	167	-18	3		
72206	JACKSONVILLE/INTNL., FL.	3030N	08142W	9		1015.2	26.1	-.1	26.4		11	172	28	4		
72207	SAVANNAH/MUNICIPAL, GA.	3208N	08112W	15		1015.3	25.9	-.3	26.4		14	122	-21	6		
72208	CHARLESTON/MUN., SC.	3254N	08002W	15		1015.1	25.8	.1	25.4		11	167	4	4		
72211	TAMPA/INT., FL.	2758N	08232W	3		1015.4	27.6	.2	27.4		19	335	196	5		
72214	TALLAHASSEE/MUN., FL.	3023N	08422W	21		1014.6	26.2	-.2	25.9		17	363	187	6		
72217	MACON/LEWIS B. WILSON, GA.	3242N	08339W	110		1014.6	25.5	-.3	23.3		12	241	151	6		
72218	AUGUSTA/BUSH FIELD, GA.	3322N	08158W	45		1014.5	24.7	-.6	22.8		14	280	176	6		
72219	ATLANTA/MUN., GA.	3339N	08425W	315		1014.8	23.5	-.9	21.1		14	232	142	6		
72223	MOBILE/BATES FIELD, AL.	3041N	08815W	67		1013.7	26.7	-.2	26.4		18	525	397	6		
72226	MONTGOMERY/DANNELLY, AL.	3218N	08624W	62		1014.2	25.5	-.4	26.3		9	163	64	4		
72231	NEW ORLEANS/MOISANT INT., LA	2959N	09015W	9		1013.1	27.3	.6	28.9		19	441	293	6		
72234	MERIDIAN/KEY, MS.	3220N	08845W	94		1013.7	24.9		25.1		14	278		6		
72235	JACKSON/ALLEN C. THOMP., MS.	3219N	09005W	101		1013.1	25.4	-.6	25.5		13	164	84	5		
72240	LAKE CHARLES/MUN., LA.	3007N	09313W	10		1012.7	27.5	.7	30.5		11	177	51	4		
72242	GALVESTON, TX.	2918N	09448W	16		1011.9	28.0	.7	32.4		13	169	57	6		
72243	HOUSTON/INTERCONTI- NENTAL,	2958N	09521W	33		1011.4	28.2	1.3	26.5		9	101	-25	3		
72248	SHREVEPORT/REG., LA.	3228N	09347W	79		1012.0	26.0	-.3	24.4		9	117	8	4		
72250	BROWNSVILLE/INT., TX.	2555N	09725W	7		1010.4	29.0	.7	29.1		5	82	13	6		
72251	CORPUS CHRISTI/INT., TX.	2746N	09730W	13		1010.6	28.1	.4	29.0		8	83	-2	4		
72253	SAN ANTONIO/INT., TX.	2932N	09828W	242		1010.3	27.6	-.3	22.7		7	74	-22	4		
72254	AUSTIN/ROBERT MUELLER., TX.	3018N	09742W	189		1010.6	27.0	-.4	23.3		5	116	22	4		
72255	VICTORIA/VICTORIA REG., TX.	2851N	09655W	36		1011.4	28.1	.5	26.9		7	142	18	4		
72256	WACO, MADISON-COOPER, TX.	3137N	09713W	155		1011.2	26.5	-1.0	25.6		9	117	34	6		
72259	DALLAS-FORT WORTH/FORT., TX.	3254N	09702W	182		1011.3	26.1	-1.1	23.3		9	131	56	5		
72263	SAN ANGELO/MATHIS, TX.	3122N	10030W	582		1010.4	25.8	-.6	21.2		5	121	62	4		
72265	MIDLAND/MIDLAND REG., TX.	3157N	10211W	872		1009.3	26.1	-.3	19.9		6	51	12	4		
72266	ABILENE/MUN., TX.	3225N	09941W	546		1010.8	24.7	-2.1	21.1		11	187	115	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.
	O'	O'	m		mb	mb	O <sub>c</sub>	O <sub>c</sub>	mb	mb		mm	mm		hr	
72267 LUBBOCK/LUBBOCK INTL, TX.	3339N	10149W	988			1010.1	23.6	-1.5	17.1		7	109	40	5		
72270 EL PASO/INT., TX.	3148N	10624W	1194			1006.6	27.4	.5	10.0		3	12	-5	4		
72274 TUCSON/INT., AZ.	3207N	11056W	779			1006.7	30.0	1.2	8.4		0	0	-5	2		
72278 PHOENIX/SKY HARBOR INTL, AZ.	3326N	11201W	337			1005.6	33.2	2.0	6.9		1	5	2	4		
72290 SAN DIEGO/LINDBERGH, CA.	3244N	11710W	9			1012.8	17.9	-1.4	15.7							
72295 LOS ANGELES/INT., CA.	3356N	11824W	32			1012.1	18.4	-.3	6.6		0	0	-1	4		
72304 CAPE HATTERAS, NC.	3516N	07533W	3				23.9	.5			8	135	31	3		
72306 RALEIGH/RALEIGH-DURHAM, NC.	3552N	07847W	134			1014.8	23.1	-.4	21.9		12	106	13	4		
72308 NORFOLK/INT., VA.	3654N	07612W	9			1013.9	23.8	.4	21.6		10	88	-9	3		
72310 COLUMBIA, SC.	3357N	08107W	69			1014.7	24.8	-.4	22.2		9	193	72	5		
72312 GREENVILLE/SPATANBURG, SC	3454N	08213W	296			1014.2	22.9	-1.0	21.1		11	159	38	4		
72314 CHARLOTTE/DOUGLAS, NC.	3513N	08056W	234			1014.7	22.6	-1.7	21.5		13	129	43	6		
72315 ASHEVILLE/MUN., NC	3526N	08233W	661			1015.1	20.0	-.8	18.2		14	157	50	5		
72317 GREENSBORO/G.-HIGH PT., NC.	3605N	07957W	270			1014.7	22.1	-.7	20.1		11	112	16	4		
72324 CHATTANOOGA/LOVELL FIELD, TN	3502N	08512W	210			1014.7	23.1	-.9	20.6		16	143	54	5		
72326 KNOXVILLE/MUN., TN.	3549N	08359W	299			1014.2	22.2	-.7	19.8		9	62	-38	1		
72327 NASHVILLE/METROPOLITAN, TN.	3607N	08641W	180			1014.4	22.2	-2.0	20.2		14	180	90	5		
72340 NORTH LITTLE ROCK/MUNICIPAL	3450N	09215W	165				24.1		23.2		11	163	5	5		
72344 FORT SMITH/MUN., AR.	3520N	09422W	141			1012.8	23.5	-1.4	22.4		11	106	20	4		
72351 WICHITA FALLS/SHEPES AFB TX	3358N	09829W	314			1011.1	24.8	-1.8	22.4		14	178	89	5		
72365 ALBUQUERQUE/INT., NM.	3503N	10637W	1620			1008.2	23.9	.5	7.7		1	5	-10	3		
72386 LAS VEGAS/MCCARRAN, NV.	3605N	11510W	664			1005.1	31.0	1.6	8.7							
72389 FRESNO/AIR TERM., CA.	3646N	11943W	100			1009.5	25.7	.9	12.9							
72401 RICHMOND/BYRD, VA.	3730N	07720W	54			1014.5	22.6	-.7	20.9		13	98	7	4		
72405 WASHINGTON/NAT., VA.	3851N	07702W	20			1014.2	21.8	-2.4	19.2		14	200	115	5		
72406 BALTIMORE/BALTIMORE-WASHINGT	3911N	07640W	47			1013.5	20.9	-1.6	18.6		15	177	84	5		
72407 ATLANTIC CITY, NJ.	3927N	07434W	20			1013.6	20.2	-.6	21.3		13	178	111	6		
72408 PHILADELPHIA/INT., PA.	3953N	07515W	9			1013.4	21.8	-.3	19.8		12	205	110	6		
72411 ROANOKE/MUN., VA.	3719N	07958W	358			1014.8	20.8	-1.1	18.2		14	161	80	5		
72412 BECKLEY(RALEIGH CTY.MUN), WV.	3747N	08107W	766			1015.0	17.9	-1.1	16.5		15	119	22	4		
72414 CHARLESTON/KANAWHA., WV.	3822N	08136W	299			1014.2	19.7	-2.2	18.0		15	253	162	6		
72421 CINCINNATI/GREATER CIN., OH.	3903N	08440W	267			1014.1	19.5	-2.2	18.4		9	116	19	2		
72422 LEXINGTON/BLUE GRASS, KY.	3802N	08436W	301			1014.8	20.5		18.3		12	163		5		
72423 LOUISVILLE/STANDIFORD, KY.	3811N	08544W	149			1014.1	21.7	-1.2	18.3		10	82	-5	3		
72425 HUNTINGTON, WV	3822N	08233W	255			1014.4	20.2	-1.4	18.2		14	134	45	5		
72428 COLUMBUS/PORT COLUMBUS, OH.	4000N	08352W	254			1014.1	19.6	-1.1	16.2		11	127	25	6		
72429 DAYTON/. COX, OH	3952N	08407E	306			1014.7	19.2	-2.1	16.1		11	116	19	4		
72432 EVANSVILLE/REG., IN.	3803N	08732W	118			1014.2	20.8	-3.0	18.7		9	114	26	4		
72434 ST. LOUIS/LAMBERT, ST., MO.	3845N	09022W	172			1013.6	21.8	-2.3	19.2		10	314	220	6		
72438 INDIANAPOLIS/I.-MUN/WEI., IN.	3944N	08616W	246			1013.9	20.1	-2.1	16.3		10	60	-28	2		
72439 SPRINGFIELD/CAPITAL, IL.	3951N	08940W	187			1013.8	20.3	-2.4	17.3		8	173	86	5		
72445 COLUMBIA/REGIONAL, MO.	3849N	09213W	274			1013.7	20.6	-1.7	18.9		7	142	33	5		
72476 GRAND JUNCTION/WALKER F., CO.	3907N	10832W	1475			1007.7	22.5	.1	7.8			3	-9	1		
72483 SACRAMENTO/EXECUTIVECA.	3831N	12130W	8			1010.0	22.5	.5	14.9		0	0	-3	2		
72486 ELY/YELLAND, NV.	3917N	11451W	1909			1009.1	16.6	1.3	6.5		1	3	-19	1		
72488 RENO/INT., NV.	3930N	11947W	1341			1010.4	22.0	3.6	7.5		1	10	-1	4		
72494 SAN FRANCISCO/INTL, CA.	3737N	12223W	5			1012.6	17.1	.7	12.6							
72503 NEW YORK/LA GUARDIA, NY.	4046N	07354W	9			1013.0	20.5	-1.2	17.4		14	251	161	6		
72507 PROVIDENCE/GREEN STATE, RI.	4144N	07126W	19			1013.1	18.4	-1.0	17.4		11	140	56	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.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
72508 HARTFORD/BRADLEY INTL, CT.	4156N	07241W	55			1012.9	19.4	- .9	17.2		11	159	64	5		
72509 BOSTON/LOGAN INT., MA	4222N	07102W	9			1012.9	18.5	-1.3	17.0		10	119	41	5		
72513 WILKES-BARRE-SCRANTON, PA.	4120N	07544W	289			1013.3	18.0	-1.6	16.7		12	192	91	6		
72515 BINGHAMTON/BROOME CO., NY.	4213N	07559W	497			1014.4	17.0	- .9	15.7		14	127	36	4		
72517 ALLENTOWN/A.-BETHLEHEM-, PA.	4039N	07526W	117			1013.6	19.5	-1.3	18.5		16	211	116	6		
<b>72519 SYRACUSE/HANCOCK, NY.</b>	4307N	07607W	124			1013.5	18.0	- .5	15.3		9	72	-24	3		
<b>72520 PITTSBURGH/GREATER PITT., PA.</b>	4030N	08013W	373			1015.1	18.7	-1.2	16.0		8	99	5	4		
72521 AKRON/AKRON-CANTON REG., OH.	4055N	08126W	377			1014.1	18.6	-1.3	18.8		8	61	-19	6		
72525 YOUNGSTOWN, OH.	4116N	08040W	361			1014.4	17.5	-1.5	17.4		11	77	-23	2		
72528 BUFFALO/GREATER BUFFALO, NY.	4256N	07844W	215			1013.6	17.5	-1.3	14.9		7	46	-44	2		
72529 ROCHESTER/R-MONROE CTY., NY.	4307N	07740W	169			1013.7	18.1	- .3	16.6		6	56	-20	3		
72530 CHICAGO/O'HARE, IL.	4159N	08754W	205			1013.8	18.6	-1.7	13.5		5	38	-58	0		
<b>72532 PEORIA/GREATER PEORIA, IL.</b>	4040N	08941W	202			1013.8	20.1	-1.8	16.4		10	113	12	4		
72533 FORT WAYNE/MUN., BAER FL., IN.	4100N	08512W	252			1014.5	18.8	-2.4	15.8		12	93	2	3		
72535 SOUTH BEND/ST. JOSEPH CO., IN.	4142N	08619W	236			1014.3	19.0	-1.6	15.4		7	30	-74	1		
72536 TOLEDO/EXPRESS, OH.	4136N	08348W	211			1013.9	19.0	- .9	16.0		9	79	-16	3		
72537 DETROIT/METROPOLITAN, MI.	4214N	08320W	202			1013.8	19.2	- .6	16.1		10	64	-27	6		
72544 MOLINE/QUAD CITY, IL.	4127N	09031W	181			1013.5	20.2	-1.5	15.4		7	71	-37	2		
<b>72546 DES MOINES/MUN., IA.</b>	4132N	09339W	294			1012.9	21.5	- .6	17.7		10	107	-6	3		
<b>72556 NORFOLK/KARL STEFAN, NE.</b>	4159N	09726W	473			1012.3	20.3	-1.0	16.1		8	67	-46	2		
72557 SIOUX CITY/MUN., IA.	4224N	09623W	336			1013.1	20.3	-1.3	16.1		11	103	9	3		
<b>72562 NORTH PLATTE/LEE BIRD, NE.</b>	4108N	10041W	849			1012.5	18.9	-1.0	15.9		12	138	53	4		
72564 CHEYENNE, WY.	4109N	10449W	1872			1012.3	14.7		9.7		13	68		4		
72569 CASPER/NATRONA COUNTY I., WY.	4255N	10628W	1612			1012.2	15.3	-1.8	9.6		11	120	83	6		
72572 SALT LAKE CITY/INTL, UT.	4047N	11158W	1288			1008.9	21.8	1.2	7.4		4	22	-1	4		
<b>72576 LANDER/HUNT, WY.</b>	4249N	10844W	1694			1011.8	16.0	-1.3	9.2		10	43	6	4		
<b>72578 POCATELLO/NUM., ID.</b>	4255N	11236W	1365			1011.3	17.2	.1	6.5			2	-23	1		
<b>72583 WINNEMUCCA/MUN., NV.</b>	4054N	11748W	1322			1010.5	19.7	1.6	6.5		0	9999		1		
<b>72594 EUREKA, CA.</b>	4048N	12410W	18				12.2	- .9				3	-10	1		
72597 MEDFORD/MEDFORD- JACKSON COU	4222N	12252W	405			1013.5	21.1		11.0		0	0		1		
72605 CONCORD/MUN., NH.	4312N	07130W	105			1013.0	18.1		15.7		11	42		1		
72606 PORTLAND/INTNL. JET PORT, ME	4339N	07019W	19			1012.7	17.1	.2	14.7		9	55	-32	2		
72617 BURLINGTON/INTL, VT.	4428N	07309W	104			1012.7	18.5	.1	14.4		10	76	-12	2		
72635 GRAND RAPIDS/KENT CO., MI.	4253N	08531W	245			1014.1	18.0	-1.4	14.0		6	44	-49	1		
72636 MUSKEGON/COUNTY, MI.	4310N	08615W	193			1014.1	17.7	- .6	14.8		5	25	-34	6		
72637 FLINT/BISHOP, MI.	4258N	08345W	233			1014.1	18.0	- .8	16.3		6	55	-26	2		
72640 MILWAUKEE/GEN. MITCHELL, WI.	4257N	08754W	211			1014.1	17.2	-1.1	14.5		5	38	-44	1		
72641 MADISON/DANE COUNTY REGIONAL	4308N	08920W	264			1013.7	18.5	- .5	14.8		7	53	-40	2		
72644 ROCHESTER/MUN., MN.	4355N	09230W	402			1013.3	18.6	- .6	15.3		9	121	27	4		
72645 GREEN BAY/A.-STRAUBEL, WI.	4429N	08808W	214			1013.9	17.3	- .8	16.6		7	95	9	6		
72651 SIOUX FALLS/FOSS FIELD, SD.	4335N	09644W	435			1012.2	19.0	-1.2	15.3		13	91	5	3		
<b>72654 HURON/HURON REGIONAL, SD.</b>	4423N	09813W	393			1011.9	18.9	-1.0	15.3		10	106	21	4		
<b>72658 MINNEAPOLIS/ST. PAUL INTL, MN.</b>	4453N	09313W	255			1012.5	20.1	.0	15.0		5	118	16	4		
72662 RAPID CITY/REGIONAL AIRPORT,	4403N	10303W	965			1012.9	16.8	-1.4	12.2		13	63	-14	2		
<b>72666 SHERIDAN/COUNTY, WY.</b>	4446N	10658W	1209			1013.1	15.3	-1.4	12.4		8	66	9	4		
72677 BILLINGS/LOGAN INT., MT.	4548N	10832W	1088			1012.3	17.7	- .5	9.9		8	46	-4	3		
<b>72681 BOISE/MUN., ID.</b>	4334N	11613W	874			1010.7	20.9	1.7	7.8		1	5	-15	1		
<b>72688 PENDLETON, OR.</b>	4541N	11851W	456			1012.5	19.9	.9	9.0							
72698 PORTLAND/INT., OR.	4536N	12236W	12			1016.1	19.0	1.5	12.1		3	8	-29	1		

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	'	'	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
72712 CARIBOU/MUN., ME.	4652N	06801W	190			1011.5	16.4	.6	12.9		13	101	-28	4		
72734 SAULT STE. MARIE, MI.	4628N	08422W	221			1013.6	15.0	.6	12.0		5	50	-29	2		
72745 DULUTH/INT., MN.	4650N	09211W	432			1013.7	15.4	.0	13.6		10	88	-9	3		
72747 INT. FALLS/FALLS INT. MN.	4834N	09323W	361			1012.9	16.1	-.2	13.4		12	102	3	4		
72753 FARGO/HECTOR FIELD, ND.	4654N	09648W	274			1011.9	18.6	.0	15.2		13	116	45	4		
72764 BISMARCK/MUN., ND.	4646N	10045W	506			1012.0	17.6	-.4	13.4		10	54	-15	2		
72767 WILLISTON/SLOULIN FIELD, ND.	4811N	10338W	581			1012.4	16.2	-2.0	12.8		11	60	3	3		
72768 GLASGOW/INTL, MT.	4813N	10637W	700			1012.2	17.2	-.8	11.4		10	50	-3	3		
72772 HELENA/COUNTY-CITY, MT.	4636N	11200W	1188			1014.0	17.4	.7	9.4		6	38	-9	3		
72773 MISSOULA/JOHNSON-BELL F., MT.	4655N	11405W	972			1013.8	16.6	1.0	6.5		5	28	-17	1		
72781 YAKIMA/YAKIMA AIR TERM., WA.	4634N	12032W	325			1013.0	20.0	1.9	6.6		0	0	-13	0		
72785 SPOKANE/INT., WA.	4738N	11732W	721			1012.9	17.6	.9	8.8		2	6	-26	1		
72792 OLYMPIA, WA.	4658N	12254W	61			1016.7	16.0	1.2	11.0		3	7	-34	6		
72797 QUILLAYUTE, WA.	4757N	12433W	62			1017.4	14.3		11.9		7	32		2		
<b>CANADA</b>																
71043 NORMAN WELLS, N.W.T.	6517N	12648W	74		1002.8	1011.9	14.1	-.5	9.2		7	31	-12	3	323	110
71066 HIGH LEVEL, ALTA	5837N	11710W	338		971.4	1012.2	13.3	-.9	8.7		5	16	-49	1		
71069 SLAVE LAKE, ALTA	5518N	11447W	581		943.7	1012.6	13.2	-.5	10.4		14	135	46	5		
71078 LYNN LAKE, MAN.	5652N	10105W	357		968.1	1011.1	13.8	1.3	10.1		11	94	29	5	284	105
71079 THOMPSON WEATHER OFFICE-MAN.	5548N	09751W	204		983.7	1010.8	13.6	1.3	10.1		10	46	-25	2		
71081 HALL BEACH, N.W.T.	6847N	08115W	8		1007.6	1008.6	.7	.4	6.0		4	44	28	5		
71090 CLYDE, N.W.T.	7029N	06831W	26		1008.0	1011.4	1.5	1.0	6.2		8	26	11	5		
71095 POND INLET, N.W.T.	7242N	07758W	55		1002.4	1009.5	3.2		5.9		3	12		3		
71101 SANDSPIT, B.C.	5315N	13149W	6		1015.7	1016.6	12.9	1.3	11.5		7	29	-28	1		
71109 PORT HARDY, B.C.	5041N	12722W	22		1015.4	1018.0	13.3	1.5	10.8		7	41	-37	1		
71197 PORT-AUX-BASQUES, NFLD.	4734N	05910W	40		1008.1	1013.0	9.6	.4	9.5		8	116	3	3		
71600 SABLE ISLAND, N.S.	4356N	06001W	4		1013.0	1013.5	11.1	.1	11.4		10	76	-31	2		
71603 YARMOUTH, N.S.	4350N	06605W	43		1007.7	1012.9	14.0	.6	13.7		7	99	6	3	225	100
71727 BAGOTVILLE, QUE.	4820N	07100W	159		992.3	1011.4	16.4	1.1	11.7		12	107	18	4		
71803 GANDER INT. AIRPORT, NFLD.	4857N	05434W	151		993.0	1011.3	12.0	.4	9.6		7	51	-30	2	288	150
71813 NATASHQUAN, QUE.	5011N	06149W	11		1008.6	1009.9	11.7	1.3	10.3		12	88	-2	3		
71816 GOOSE, NFLD.	5319N	06025W	49		1002.1	1008.1	12.4	1.5	9.3		14	84	-16	3	239	130
71827 LA GRANDE RIVIERE, QUE	5338N	07742W	195		987.5	1011.5	10.0		8.6		8	65		3		
71828 SCHEFFERVILLE, QUE.	5448N	06648W	518		947.0	1009.5	9.1	.8	8.4		12	68	-2	3		
71842 SIOUX LOOKOUT, ONT.	5007N	09154W	390		966.4	1012.8	17.4	2.2	11.5		7	62	-34	2		
71867 THE PAS, MAN.	5358N	10106W	271		978.0	1010.3	16.3	1.5	12.0		6	85	22	4	307	105
71869 PRINCE ALBERT, SASK.	5313N	10541W	428		959.9	1010.9	15.7	.5	11.1		8	46	-20	2		
71887 KAMLOOPS, B.C.	5042N	12027W	346		972.5	1013.2	19.7	1.4	9.9		5	38	10	4		
71905 KUUJJUARAPIK, QUE.	5517N	07746W	10		1010.1	1011.4	5.6	-.7	7.2		9	84	27	5		
71906 KUUJJUAQ, QUE.	5806N	06825W	37		1003.6	1008.5	7.9	1.1	7.0		13	59	9	4		
71907 INUKJUAQ, QUE	5827N	07807W	6		1007.5	1010.8	3.5	-.7	6.0		9	22	-14	1		
71909 IQALUIT, N.W.T.	6345N	06833W	34		1003.1	1007.3	3.5	.1	6.8		16	72	36	6		
71910 CAPE DORSET, N.W.T.	6413N	07632W	50		1000.8	1007.2	1.5		6.1		14	56		6		
71924 RESOLUTE, N.W.T.	7443N	09459W	67		1004.2	1012.9	-1.0	-.4	5.4		4	18	6	4	175	60
71926 BAKER LAKE, N.W.T.	6418N	09605W	18		1010.2	1012.5	4.2	.1	6.1		5	15	-7	2	243	85
71935 HAY RIVER, N.W.T.	6050N	11547W	166		991.6	1012.0	11.4	-.9	8.7		9	33	-2	4		
71945 FORT NELSON, B.C.	5850N	12235W	382		967.0	1012.8	14.0	-.8	9.1		5	29	-35	1		
71950 SMITHERS, B.C.	5449N	12711W	523		953.8	1015.4	13.4	.9	8.6		9	79	37	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.
	O'	O'	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
71957 INUVIK,N.W.T.	6818N	13329W	68		1006.4	1015.0	10.4	-.2	7.2		01	1	-21	1		
71964 WHITEHORSE, Y.T.	6043N	13504W	703		930.3	1014.0	11.7	.1	7.2		4	25	-6	3	254	95
<b>MEXICO</b>																
76225 UNIV. DE CHIHUAHUA, CHIHUAHU	2838N	10605W	1435		856.6	1005.6	26.3		13.1		6	24		1	288	
76256 EMPALME, SON	2755N	11054W	11		1007.5	1008.8	30.4		21.5		0	0		0	380	
76311 CHOIX, SIN.	2643N	10817W	238		980.5	1006.9	31.7		25.2		4	60		0	315	
76382 TORREON, COAH.	2532N	10327W	1124		885.5	1003.1	29.6		22.2		5	16		2	280	
76393 MONTERREY, N.L.	2552N	10012W	512		951.8	1008.3	28.8		25.3		5	89		5	233	
76402 CIUDAD CONSTITUCION B.C.S.	2500N	11140W	48		1006.7	1012.3	21.6		17.1		0	0		0	319	
76405 LA PAZ, B.C.S.	2416N	11025W	18		1007.9	1010.0	26.0		19.2		0	0		0	358	
76423 DURANGO, DGO	2402N	10440W	1872		813.9	1005.4	22.6		14.7		17	116		5	312	
76458 COLONIA JUAN CARRAS-CO MAZAT	2312N	10625W	4		1009.5	1010.0	27.8	.1	26.7	-1.0	0	0	-26	0	287	106
76548 TAMPICO, TAMPS	2213N	09751W	9		1007.4	1010.4	29.4	1.5	30.8	1.3	2	8	-136	0	241	103
76556 TEPIC, NAY	2131N	10454W	922		909.3	1008.6	24.2		23.1		7	131		3	191	
76577 GUANAJUATO, GTO.	2101N	10115W	1999		803.4	1007.2	21.7	1.0	16.5	1.6	12	214	96	1	207	99
76634 TULANCINGO, HGO.	2005N	09822W	2181		786.0	1014.6	19.3		13.7		11	107		4	184	
76644 AEROP. INTERNACIONAL MERIDA,	2059N	08939W	9			1010.2	29.0	1.0	30.5	2.9	16	331	187	5	263	114
76647 VALLADOLID, YUC.	2042N	08813W	22		1008.4	1011.4	30.2		27.5		7	131		3	270	
76654 MANZANILLO, COL.	1903N	10420W	3		1008.8	1009.2	27.8		31.4		12	225		5	145	125
76665 MORELIA, MICH.	1942N	10111W	1913		810.8	1008.4	20.9	.9	16.8	2.1	13	36	-100	1		
76675 TOLUCA, MEX	1918N	09940W	2720		737.2	1008.5	14.4		12.6		22	231			132	
76692 HACIENDA YLANG YLANG VER.	1909N	09607W	13		1008.4	1010.3	28.5	.5	30.9	1.1	10	162	-140	2	230	111
76698 FELIPE CARRILLO PUERTO, Q.RO	1935N	08802W	20		1011.1	1012.3	30.3		29.1		7	175		3	258	100
76743 VILLAHERMOSA, TAB	1759N	09255W	10		1009.6	1010.4	28.1		33.2		14	169			210	
76750 CHETUMAL, Q.ROO	1829N	08818W	9		1009.8	1010.8	29.1		30.5		11	301		5	186	
76805 ACAPULCO, GRO.	1650N	09956W	13		1009.4	1009.9	27.8	-.6	30.9	.4	14	431	160	5	169	82
76848 COMITAN, CHIS.	1615N	09208W	1530		837.2	1005.8	20.2		18.0		20	108		1	189	
76903 TAPACHULA, CHIS.	1455N	09216W	182		1003.0	1016.3	28.1		29.5		22	302		1	86	125
<b>JAMAICA</b>																
78388 MONTEGO BAY/SANGSTER	1830N	07755W	8			1013.6	28.5	1.6	29.6		13	123	-59	2	260	115
78397 KINGSTON/NORMAN MANLEY	1756N	07647W	14		1012.5	1014.1	29.1		25.7		2	76		3	208	
<b>DOMINICAN REPUBLIC</b>																
78458 PUERTO PLATA	1945N	07034W	5		1014.5	1015.1	28.4		28.2		6	252				
78486 SANTO DOMINGO	1826N	06953W	14		1013.3	1014.9	27.3	.4	29.3	1.7						
<b>PUERTO RICO AND US POSS</b>																
78526 SAN JUAN/INTL, PUERTO RICO	1826N	06600W	19			1016.5	27.8	-.1	30.0		11	74	-27	3		
<b>BELIZE</b>																
78583 BELIZE/PHILLIP GOLDSTON INTL	1732N	08818W	5		1010.2	1010.7	29.2	1.0	32.6		7	283	26	4	264	135
<b>NICARAGUA</b>																
78741 MANAGUA A.C.SANDINO	1209N	08610W	56		1004.1	1010.3	26.8		28.7		21	261		5	208	90
<b>COSTA RICA</b>																
78762 JUAN SANTAMARIA	1000N	08413W	939		909.2	1010.0	22.3	.6	22.6		21	339	59	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.
	O'	O'	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
78767 PUERTO LIMON	1000N	08303W	3		1010.2	1010.6	26.7	.8	29.3		16	115	-161	1	140	109
<b>ST.MAARTEN, ST.EUST., SABA</b>																
78866 JULIANA AIRPORT, ST. MAARTEN	1803N	06307W	9		1017.3	1017.8	27.6	-.2	24.6	-3.4	8	41	-22	3	204	85
<b>ST.MARTIN, ST.BARTH., GUAD.</b>																
78897 LE RAIZET, GUADELOUPE	1616N	06131W	11		1015.0		27.3	-.2	26.6		14	152	34	5	171	80
<b>MARTINIQUE</b>																
78925 LE LAMENTIN	1436N	06100W	7		1014.5	1015.4	27.6	.3	27.2	-1.9	19	182	13	4	162	70
<b>BARBADOS</b>																
78954 GRANTLEY ADAMS	1304N	05929W	56		1008.9	1015.4	27.7		30.3		10	472		2	199	
<b>TRINIDAD AND TOBAGO</b>																
78970 PIARCO INT. AIRPORT, TRINIDAD	1037N	06121W	15		1011.3	1013.8	27.2	.8	29.4	1.0	21	259	7	3	198	108
<b>CURACAO AND BONAIRE</b>																
78988 HATO AIRPORT, CURACAO	1212N	06858W	67		1012.9	1013.8	27.9	-.3	28.9	-.4	6	43	22	5	237	93
<b>S AMERICA</b>																
<b>VENEZUELA</b>																
80403 CORO	1125N	06941W	17				28.8	.2	28.6		4	15	-11	2	198	78
80407 MARACAIBO-LA CHINITA	1034N	07144W	65		1002.7	1010.2	28.4	.1	29.5		6	34	-21	3	133	66
80410 BARQUISIMETO	1004N	06919W	614		934.1	1010.8	23.6	.1	23.9		15	100	22	4	158	79
80413 MARACAY - B.A. SUCRE	1015N	06739W	437		964.1	1012.3	26.8	1.9	29.4		10	176	43	4	168	84
80415 CARACAS/MAIQUETIA AEROP. INT	1036N	06659W	48		1006.0	1011.4	27.9	1.2	29.2		6	37	-16	3	185	89
80416 CARACAS/LA CARLOTA	1030N	06653W	835				24.2	1.6	24.2		11	103	-36		159	87
80419 BARCELONA	1007N	06441W	7				25.3	-1.6	24.3		9	75	-30	2	180	85
80420 CUMANA	1027N	06411W	4				27.9		25.8		4	24			188	95
<b>80423 GUIRIA</b>	1035N	06219W	14				26.9	-.2	28.7		9	156	37	4	177	98
<b>80425 MENE GRANDE</b>	0949N	07056W	28				27.9	.1	31.1		16	161	29	4	117	59
80426 VALERA	0921N	07037W	582				24.4		24.6		9	175				
80427 ACARIGUA	0933N	06914W	225				25.6	.5	27.8		17	298	60			
80428 GUANARE	0901N	06944W	163				25.1	.0	24.7		17	266	21		109	79
80431 SAN JUAN DE LOS MORROS	0955N	06720W	429				25.5		25.3		14	189			161	90
80432 CARRIZAL	0925N	06655W	161				26.2		27.3		12	149			183	90
80434 VALLE DE LA PASCUA	0913N	06601W	125				26.9		25.7		11	76			215	
80435 MATURIN	0945N	06311W	66				26.0	.3	25.4		18	229	21	4	141	84
80437 EL VIGIA	0838N	07139W	103				26.1		26.1		16	257			136	
<b>80438 MERIDA</b>	0836N	07111W	1498		850.4	1501 Y	19.7	.3	18.3		18	225	61	5	139	77
80440 BARINAS	0837N	07013W	204				25.9		26.9		16	257			136	
80442 CALABOZO	0856N	06725W	101				26.7		29.5		15	297			153	
80444 CIUDAD BOLIVAR	0809N	06333W	48				27.1	.0	30.8		19	145	-20	3	163	81
80447 SAN ANTONIO DEL TACHIRA	0751N	07227W	378				26.9	.2	17.6		11	88	53	5	141	90
80448 GUASDUALITO	0714N	07048W	131				25.1	.1	25.2		16	247	-34		125	99
<b>80450 SAN FERNANDO DE APURE</b>	0754N	06725W	48				26.6	.7	29.4		17	388	145	5	150	93

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
<b>80453 TUMEREMO</b>	0718N	06127W	181		988.7	1009.0	26.2	1.3	30.1		17	187	-8	3	154	101
80457 PUERTO AYACUCHO	0536N	06730W	74		1004.8	1014.4	26.7	1.3	24.0		18	367	-41	3	137	106
<b>80462 SANTA ELENA DE UAIREN</b>	0436N	06107W	907				21.5	.5	22.4		23	406	152	5	176	111
80472 VALENCIA	1010N	06756W	431				25.4		26.2		13	106			170	
80475 STO.DOMINGO (B.A.)	0735N	07204W	327				24.2		23.7		18	281		1		
<b>GUYANA</b>																
81001 GEORGETOWN	0648N	05809W	2		1012.7	1013.1	27.0	.5	30.2	.4	23	356	29	4	182	117
81002 TIMEHRI CHEDDI JAGAN INTERNA	0630N	05815W	30		1009.4	1012.8	27.0	1.6	29.7	1.1	23	434	97	1		
<b>FRENCH GUIANA</b>																
81401 SAINT-LAURENT-DU-MARONI	0530N	05402W	9		1012.0	1013.1	25.8		29.6		25	278	-42	2	121	80
<b>81405 CAYENNE/ROCHAMBEAU</b>	0450N	05222W	9		1011.7	1012.6	25.9		29.6							
81408 SAINT GEORGES DE L'OYAPOCK	0353N	05148W	7		1011.5	1012.3	26.9		29.5		26	359	-31	2	112	77
81415 MARIPASOULA	0338N	05402W	106		1000.8	1012.8	25.7		28.7		22	317	2	3		
<b>BRAZIL</b>																
<b>82024 BOA VISTA</b>	0249N	06039W	90				27.0		29.3		13	339		3		
82098 MACAPA	0002N	05103W	15		1010.9	1012.5	27.2	1.0	30.9		13	167	-53	1	212	112
<b>82106 SAO GABRIEL DA CACHOEIRA</b>	0008S	06705W	90				26.1		30.0		21	348		4	122	
82191 BELEM	0127S	04828W	10		1010.5	1011.1	27.1	1.2	30.1		14	123	-17	2	260	116
82212 FONTE BOA	0232S	06610W	56		1004.2	1012.5	26.8		25.9		22	213		3	154	
82246 BELTERRA	0238S	05457W	176				993.7		1013.6		19	217	92	5	198	105
82280 SAO LUIZ	0232S	04418W	51		1006.4	1012.2	26.6	.7	31.7		15	148	-22	3	214	100
82287 PARNAIBA	0305S	04147W	22		1006.4	1009.1	26.1	-.4	30.1		6	35	-19	3	268	105
82397 FORTALEZA	0346S	03836W	26		1010.4	1013.5	26.2	.3	28.3		13	198	38	4	235	98
<b>82410 BENJAMIN CONSTANT</b>	0423S	07002W	65				26.2		29.6		16	198		5	142	
<b>82425 COARI</b>	0405S	06308W	46		1007.2	1012.8	26.9		31.0		16	173		4	193	
82445 ITAITUBA	0416S	05559W	45		1008.7	1014.0	27.4	1.0	31.9		15	93	-16	2	205	97
82533 MANICORE	0549S	06118W	50		1006.1	1011.6	26.5		36.9		17	118		3	172	
82562 MARABA	0521S	04909W	95		1000.4	1011.1	28.0	1.6	28.5		2	28	-6	3	242	107
<b>82571 BARRA DO CORDA</b>	0530S	04516W	153				994.8		1014.5		2	5	-16	2	252	101
82578 TERESINA	0505S	04249W	74		1004.1	1014.3	26.3	2.3	28.7		6	57	32	5	251	95
<b>82586 QUIXERAMOBIM</b>	0512S	03918W	212		987.3	1011.2	25.8	.2	22.3		10	80	5	4	252	119
82598 NATAL	0546S	03512W	45		1008.6	1013.9	25.4		28.7		17	244		3	207	100
82678 FLORIANO	0646S	04301W	123		998.6	1014.3	27.4	2.8	22.5		0	999.9	-008		273	104
<b>82704 CRUZEIRO DO SUL</b>	0738S	07240W	170		988.3	1007.6	25.6		28.4		12	214		6	103	
82723 LABREA	0715S	06450W	60		1003.8	1012.0	26.1		30.1		16	234		5	146	
82765 CAROLINA	0720S	04728W	192		991.3	1015.3	27.1	1.0	26.5		3	17	5	3	280	101
82784 BARBALHA	0719S	03918W	409		967.7	1014.3	25.7	1.9	19.6		2	3	-17	1	266	111
82791 PATOS	0701S	03716W	249		985.0	1012.8	26.8		20.0		2	14		3	243	100
82825 PORTO VELHO	0846S	06305W	95		1001.4	1008.6	25.5	2.0	27.0		6	121	83	5	183	92
<b>82861 CONCEICAO DO ARAGUAIA</b>	0815S	04912W	160		992.3	1009.2	28.0	2.5	24.4		1	1	-17	2	283	110
82900 RECIFE (CURADO)	0803S	03455W	7		1014.0	1014.9	24.4	-.1	26.9		19	474	85	4	148	88
82915 RIO BRANCO	0958S	06748W	136		994.0	1012.3	24.9	1.7	28.1		3	28	-17	3	202	140
82983 PETROLINA	0923S	04029W	370		973.2	1014.6	25.4	.9	20.6		0	0	-10	2	282	138
<b>83064 PORTO NACIONAL</b>	1031S	04843W	250		986.1	1012.6	28.5	3.0	24.2						246	89
83096 ARACAJU	1055S	03703W	6		1015.2	1015.9	25.7	.6	25.4		21	170	-45	3	203	115
83186 JACOBINA	1111S	04028W	484		961.6	1015.7	21.9	-.2	21.0		11	56	3	4	170	110

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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	hr		
83229 SALVADOR	1301S	03831W	51		1010.7	1016.7	24.8	.5	26.1		25	283	32	3	159	95
83235 TAGUATINGA	1216S	04626W	660		946.6	1013.1	24.7	1.1	16.9		0	0	-5	4	263	108
83236 BARREIRAS	1209S	04500W	440		964.0	1013.3	22.4	.0	18.3		0	0	-12	4	289	113
83242 LENCOIS	1234S	04123W	438		966.8	1016.6	21.8	.2	20.0		7	50	-31	2	160	111
83264 VERA (GLEBA CELESTE)	1212S	05630W	415				24.0	1.6	20.9		0	0	-15	3	247	100
83288 BOM JESUS DA LAPA	1316S	04325W	440		964.3	1013.3	24.8	1.0	20.7		0	9999	-002		281	110
83332 POSSE	1406S	04622W	950		924.5	1014.6	23.0	1.3	15.7		0	0	-8	2	280	108
83344 VITORIA DA CONQUISTA	1457S	04053W	893		920.0	1017.5	17.8	-2	17.4		7	27	7	5	183	116
83361 CUIABA	1533S	05607W	179		996.3	1016.9	24.2	.7	24.0		1	1	-14	1		
83377 BRASILIA	1547S	04756W	1158		889.0	1014.7	19.7	.6	13.0		0	0	-8	3	283	112
83423 GOIANIA	1641S	04917W	729		933.1	1015.1	22.7	1.9	15.0		0	0	-9	2		
83437 MONTES CLAROS	1643S	04352W	646		944.2	1016.0	20.9	1.2	14.4		0	0	-4	4	294	120
83492 TEOFILO OTONI	1751S	04130W	356		977.1	1016.0	20.9	.8	17.7		01	1	-18	1	208	136
83498 CARAVELAS	1744S	03915W	3		1017.9	1018.4	23.1	.2	23.2		3	4	-93	0	175	97
83552 CORUMBA	1900S	05739W	130				23.8	2.7			2	2	-28	2		
83579 ARAXA	1934S	04656W	1004		904.9	1016.8	19.9	2.0	15.0		0	0	-16	2	281	122
83587 BELO HORIZONTE	1950S	04356W	850		916.0	1016.5	20.9	2.4	14.2		0	0	-14	2	255	106
83592 CARATINGA	1948S	04209W	609		949.2	1018.2	19.5	1.2	17.5		0	0	-12	1	266	141
83618 TRES LAGOAS	2047S	05138W	313		979.3	1016.8	22.2	2.5	16.1							
83648 VITORIA	2019S	04020W	36		1014.0	1018.3	24.1	1.6	23.7		00	0	-65	2	247	
83676 CATANDUVA	2108S	04858W	536				21.6	3.6	16.5		1	23	1	4	247	116
83698 CAMPOS	2145S	04120W	11		1016.2	1017.6	23.0		22.3		0	0	0	0		
83702 PONTA PORA	2232S	05544W	650		940.8	1017.7	19.3	1.9	16.5		6	86	1	3	214	122
83766 LONDRINA	2323S	05111W	566		953.3	1018.9	19.6	3.5	18.4		9	36	-58	2	220	116
83781 SAO PAULO	2330S	04637W	792		928.4	1017.5	19.1	2.6	16.0		3	16	-39	2		
83836 IRATI	2528S	05038W	837		918.3	1015.9	15.3		15.5		6	104	3	3	160	
83842 CURITIBA	2526S	04916W	923		915.7	1019.1	16.0	3.8	15.4		7	98	0	4	179	139
83881 IRAI	2711S	05314W	247		987.9	1018.0	17.5	4.2	18.0		13	142	-6	3	115	82
83897 FLORIANOPOLIS	2735S	04834W	2		1016.9	1017.1	18.6	1.9	18.7		8	84	9	4	147	90
83967 PORTO ALEGRE	3001S	05113W	47		1012.8	1018.5	16.4	2.1	16.8		9	167	35	4	92	68
83980 BAGE	3120S	05406W	217		987.6	1017.2	13.5	1.2	14.4		6	179	53	5	86	75
83997 ST.VITORIA DO PALMAR	3331S	05321W	24		1014.6	1019.1	11.9	.4	13.0		10	186	84	5	94	66
<b>PERU</b>																
84370 TUMBES	0333S	08024W	27		1007.5	1010.4	24.6		25.8							
84377 IQUITOS	0345S	07315W	126		1001.5	1012.1	25.4		27.1		16	376	186	6		
84401 PIURA	0511S	08036W	55		1009.8	1015.8	22.1		19.9			3	-2	5		
84425 YURIMAGUAS	0554S	07605W	184		994.8	1015.9	27.2		28.1		14	342	242	6		
84452 CHICLAYO	0647S	07950W	34		1011.8	1014.9	19.9		17.2		1	2	1	5		
84455 TARAPOTO	0627S	07623W	282		983.8	1019.0	26.5		26.6		7	40	-28	2		
84501 TRUJILLO	0806S	07902W	30		1011.0	1015.1	18.4		21.2							
84515 PUCALLPA	0825S	07436W	149		994.9	1012.6	26.5		28.0		11	232		6		
84628 LIMA-CALLAO/AEROP. INTERNACI	1200S	07707W	13		1003.1	1014.7	16.4		16.2							
84686 CUZCO	1333S	07159W	3249		689.1		9.9		6.0		1	6	4	5		
84691 PISCO	1345S	07617W	7		1012.3	1013.0	16.7		17.1							
84735 JULIACA	1529S	07009W	3826		645.8		8.5		6.4							
84752 AREQUIPA	1619S	07133W	2539		754.0		14.4		3.8							
84782 TACNA	1804S	07018W	469		964.5	1018.3	15.1		13.2							

## SURFACE

JUNE 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 <sub>c</sub>	O <sub>c</sub>	mb	mb		mm	mm		hr	
<b>CHILE</b>																
85406 ARICA	1821S	07020W	55		1011.5	1016.0	15.6	- .8	12.6	-1.7	0	0	-1	4	189	
85418 IQUIQUE	2032S	07011W	48		1010.2	1015.9	15.8	- .1	13.4	- .5	0	0	-1	4	198	110
85442 ANTOFAGASTA	2326S	07027W	140		999.4	1016.3	14.4	. 4	12.7	. 1	0	T	-1	5	200	100
85469 ISLA DE PASCUA	2710S	10926W	69		1010.9	1019.1	19.0		15.6		9	63	62	3	124	85
85470 COPIAPO	2718S	07025W	290		980.3	1014.7	12.2	. 8	10.7	. 2	0	T	-1	4	208	105
85488 LA SERENA	2955S	07112W	146		1000.6	1016.6	12.2	1.3	12.4	1.4	1	5	-9	2	134	85
85574 PUDAHUEL	3323S	07047W	474		962.1	1018.1	10.3	. 0	10.2	- .9	4	27	-51	2	93	80
85577 SANTIAGO QUINTA NORMAL	3326S	07041W	520		956.4	1017.4	10.9	. 6	10.9	- .2	4	32	-46	2	88	85
85585 ISLA JUAN FERNANDEZ	3337S	07849W	30		1010.7	1014.3	15.3	5.0	14.7	3.6	18	250	172	5	53	
85629 CURICO	3458S	07113W	220								12	192	44	4	69	105
85672 CHILLAN	3635S	07202W	148								13	217	6	4	64	70
85682 CONCEPCION	3646S	07304W	13		1015.0	1016.0	11.4	2.2	11.9	1.6	17	310	92	5	71	65
85743 TEMUCO	3846S	07238W	93		1003.4	1015.1	9.5	2.0	. 0	-9.2	21	297	120	6	60	100
85766 VALDIVIA	3938S	07305W	19				7.2	- .2			25	522	225	6	50	100
85782 OSORNO	4036S	07303W	58								21	251	62	4		
85799 PUERTO MONTT	4126S	07306W	90		1001.1	1012.2	8.3	1.6	10.2	1.4	22	215	-8	3	58	105
85864 COYHAIQUE	4536S	07206W	311		970.3	1008.1	2.9	. 3	6.3	. 1	20	244	94	5	47	
85874 BALMACEDA	4555S	07142W	522		946.1	1008.4	1.1	. 3	5.8	. 6	14	106	21	4	82	
85934 PUNTA ARENAS	5300S	07051W	43		994.6	1000.7	1.8	. 3	5.1	- .6	9	45	17	5	80	135
<b>URUGUAY</b>																
86330 ARTIGAS	3023S	05630W	120		1001.6	1016.0	15.2	2.3	15.1	3.0	8	94	13	4	107	71
86350 RIVERA	3053S	05532W	241		988.1	1016.6	13.8		14.4		8	118	4	4	97	65
86360 SALTO	3123S	05757W	33		1011.0	1016.1	14.4	2.7	14.3	3.3	4	84	3	4	125	88
86430 PAYSANDU	3220S	05802W	61		1010.2	1017.6	13.5		13.5		5	35	2	2	147	95
86440 MELO	3222S	05413W	100		1004.6	1016.9	12.5	1.4	12.9	1.6	8	92	-3	3	92	66
86460 PASO DE LOS TOROS	3248S	05631W	75		1007.2	1016.4	12.9	1.4	12.7	1.6	8	100	2	3	112	88
86490 MERCEDES	3315S	05804W	17		1014.6	1016.7	12.4	1.5	12.2	. 9	4	51	-9	3	133	96
86500 TREINTA Y TRES	3313S	05423W	46		1011.8	1017.5	11.8	. 6	12.3	1.3	10	148	41	4	107	82
86560 COLONIA	3427S	05750W	23		1013.2	1015.6	12.4	. 7	11.4	. 3	6	64	-2	3	120	88
86565 ROCHA	3429S	05418W	18		1015.3	1017.6	10.7	- .4	11.1	- .7	8	159	60	4	120	90
<b>ARGENTINA</b>																
87016 ORAN AERO	2309S	06419W	357		970.9	1012.1	17.5	2.9	17.6	3.4	3	20	11	5	111	116
87022 TARTAGAL AERO	2239S	06349W	450		960.0	1013.2	17.8		17.0		2	4			143	
87046 JUJUY AERO	2423S	06505W	905			1493 Y	15.2		13.0		01	1	3	3	180	115
87047 SALTA AERO	2451S	06529W	1221		879.0	1502 Y	13.7	3.6	11.4	2.2	1	1	-1	3	189	
87097 IGUAZU AERO	2544S	05428W	270				18.1		18.6		6		3	3	115	
87121 TUCUMAN AERO	2651S	06506W	450		962.4	1014.3	15.0		14.2		1	7			125	
87129 SANTIAGO DEL ESTERO AERO.	2746S	06418W	199		975.6	1014.6	15.8	3.1	11.0	. 0	4	32	26	1	112	
87155 RESISTENCIA AERO.	2727S	05903W	52		1008.5	1014.4	19.5		17.5		1	11	1	1	123	100
87162 FORMOSA AERO	2612S	05814W	60		1006.0	1013.0	20.5	3.8	18.8	3.3	4	150	84	5	160	94
87163 B.DE IRIGOYEN AERO	2615S	05309W	815		924.4	1532 Y	17.2		15.9		3	78			168	
87166 CORRIENTES AERO.	2727S	05846W	62		1007.8	1015.1	19.6	4.1	17.5	2.9	2	8	-54	1	164	96
87178 POSADAS AERO.	2722S	05558W	125		1000.6	1015.1	19.9	4.0	18.0	3.2	2	30	-101	1	144	104
87217 LA RIOJA AERO.	2923S	06649W	429		963.5	1011.6	13.7	2.6	12.2	3.3	1	7	5	4	150	83
87222 CATAMARCA AERO.	2836S	06546W	454		959.1	1011.5	14.8		8.5		1	8	0	0	155	90
87244 VILLA DE MARIA DEL RIO SECO	2954S	06341W	341		951.2	1014.3	13.6	2.1	13.2	3.1	2	9	-9	3		

# SURFACE

JUNE 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.
87257 CERES AERO	2953S	06157W	88		1004.6	1015.1	15.0	2.6	15.4	3.5	1	39	18	2	125	83
87270 RECONQUISTA AERO	2911S	05942W	53		1009.1	1015.3	17.3	3.4	16.5	2.5	1	19	-30	2	147	91
87311 SAN JUAN AERO	3134S	06852W	598		945.3	1014.8	10.8		7.8		0	0	0	0	161	80
87320 CHAMICAL AERO	3022S	06617W	461		960.4	1013.7	14.4	2.6	12.4	3.1	1	10	8	5	120	
87328 VILLA DOLORES AERO	3157S	06508W	569		948.5	1014.2	13.2	2.6	11.5	3.1	0	0	-9	1	173	101
87344 CORDOBA AERO	3119S	06413W	474		960.1	1015.3	12.3	1.8	11.2	2.0	2	15	4	4	132	83
87374 PARANA AERO	3147S	06029W	78		998.6	1017.8	14.0	2.4	13.8	2.5	1	8	-26	1	128	82
87393 MONTE CASEROS AERO	3016S	05739W	54		1009.8	1016.2	16.7	3.3	15.6	2.8	5	77	6	3	129	83
87395 CONCORDIA AERO	3118S	05801W	38		1011.9	1016.4	14.8	2.3	14.6	2.6	4	46	-33	3		
87418 MENDOZA AERO	3250S	06847W	704		933.0	1014.2	10.5	2.7	8.6	1.7	1	2	-2	3	184	110
87436 SAN LUIS AERO	3316S	06621W	713			1015.3	17.4	7.8			1	3	-5	3	173	93
87448 VILLA REYNOLDS AERO	3344S	06523W	486			1015.6	10.2	2.3	9.5	1.7	0	0	-13	1	137	83
87453 RIO CUARTO AERO	3307S	06414W	420		965.6		11.3	1.7	10.1	1.6	0	0	-16	1	105	67
87467 MARCOS JUAREZ AERO	3242S	06209W	114		1002.4	1017.0			12.2	2.0	0	0	-26	1	114	84
87480 ROSARIO AERO	3255S	06047W	25		1012.9	1015.9	12.7	2.4	12.5	1.9	0	0	-36	1	126	84
87497 GUALEGUAYCHU AERO	3300S	05837W	21		1014.1	1016.6	13.1	2.2	13.2	2.2	2	33	-19	2	196	159
87506 MALARGUE AERO	3530S	06935W	1425		856.8	1495 Y	6.6	2.4	5.6	.1	6	39	4	4	145	
87509 SAN RAFAEL AERO	3435S	06824W	748		928.5	1014.7	9.9	2.2			0	0	-12	1	160	116
87534 LABOULAYE	3408S	06322W	137		999.8	1016.2	10.5	1.5	10.4	1.4		2	-18	2	125	87
87544 PEHUAJO AERO	3552S	06154W	87		1005.8	1016.4	9.5	1.1	9.7	.2	2	4	-28	1	120	98
87548 JUNIN AERO	3433S	06057W	81		1006.8	1016.5	10.9	1.9	10.5	.7	3	19	-9	3	114	83
87550 NUEVE DE JULIO	3527S	06053W	76		1007.0	1016.2	10.4	1.1	9.9	.0	3	15	-24	2		
87563 LAS FLORES AERO	3604S	05906W	38		1012.2	1019.6	10.0		10.5		6	27		3	145	
87576 EZEIZA AERO	3449S	05832W	20		1015.0	1017.4	11.4	1.6	11.1	1.1	3	44	-4	3	91	
87582 AEROPARQUE BS. AS. AERO	3434S	05825W	6		1016.7	1017.4	13.1	1.7	11.9	1.1	2	39	-16	2	125	102
87585 BUENOS AIRES OBSERVATORIO	3435S	05829W	25		1014.4	1017.4	12.6	1.4	11.7	1.0	7	54	-8	3	129	98
87593 LA PLATA AERO	3458S	05754W	19			1018.0	10.3	.5	11.3	.9	4	53	-1	3	130	108
87596 PUNTA INDIO B.A.	3522S	05717W	22		1010.7	1015.0	10.9	1.2	11.3	.7	6	82	36	4	167	121
87623 SANTA ROSA AERO	3634S	06416W	191		992.6	1015.8	9.0	1.2	8.7	.3	0	0	-16	1	118	89
87641 AZUL AERO	3650S	05953W	147		999.6	1017.5	7.6		8.9		3	13		1	136	105
87645 TANDIL AERO	3714S	05915W	175			1017.2	9.0		8.6		2			2		
87648 DOLORES AERO	3621S	05744W	9		1016.5	1017.6	9.8	1.2	10.4	.7	3	52		3	104	99
87679 FIGUE AERO	3736S	06223W	304		979.3	1015.7	8.4	1.9	7.9	-.2	1	2	-24	1		
87688 TRES ARROYOS	3820S	06015W	115		1002.2	1016.1	9.2		8.2		3	10		2	94	
87692 MAR DEL PLATA AERO	3756S	05735W	21		1014.6	1017.2	9.2	.7	9.2	-.3	4	58	4	3	88	
87736 RIO COLORADO	3901S	06405W	79		1005.7	1015.4	9.6		9.9		2	9			110	
87750 BAHIA BLANCA AERO	3844S	06210W	83		1005.2	1015.3	10.0	2.1	8.5	.5	5	17	-8	3	113	94
87765 BARILOCHE AERO	4109S	07110W	840		915.9	1437 Y	3.8	1.2	6.5	.2	20	287	147	5	92	83
87774 MAQUINCHAO	4115S	06844W	888		910.8	1447 Y	5.4	3.8	6.2	1.1	5			5		
87784 SAN ANTONIO OESTE AERO	4047S	06506W	20		1010.2	1012.7	8.7	.4	7.2	-.2	3	18	1	1	134	104
87791 VIEDMA AERO	4051S	06301W	7		1012.1	1013.0	8.2		8.0		4	26		3	126	100
87800 EL BOLSON AERO	4158S	07131W	337		971.4		5.0		7.4		22	350			69	
87803 ESQUEL AERO	4256S	07109W	785		916.7	1009.9	3.6	1.6	5.7	.2	14	156	71	5	94	
87823 P. MADRYN AERO	4244S	06504W	136		993.4	1009.8			7.7		6	48			125	
87828 TRELEW AERO	4312S	06516W	43		1004.7	1010.0	7.7	1.6	6.9	.8	6	27	13	4	137	101
87852 PERITO MORENO AERO	4631S	07101W	429		954.8	1005.6	2.7				5	18			118	
87860 COMODORO RIVADAVIA AERO	4547S	06730W	46		1001.1	1006.7	7.5	.7	6.1	.2	6	38	13	4	117	103
87880 GOBERNADOR GREGORES AERO	4847S	07010W	357		959.9	1003.5	1.3		5.0		5	18			106	
87896 PUERTO DESEADO AERO	4744S	06555W	80		995.6	1005.5	4.2	.3	6.6	.2	10	45	21	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	QUINTE	TOTAL	% OF AV.
	O'	O'	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
87909 SAN JULIAN AERO	4919S	06745W	62		995.8	1003.5	3.2		6.1		5	33		4	95	
87925 RIO GALLEGOS AERO	5137S	06917W	19		999.0	1001.3	1.2	-.2	5.6	.1	5	27	9	4	104	
87938 USHUAIA AERO	5448S	06819W	14		990.9	998.3	1.2	-.5	5.8	.1	13	75	27	1	32	
<b>ANTARCTICA</b>																
<b>ARGENTINA (ANTARCTIC)</b>																
88963 BASE ESPERANZA	6324S	05659W	13		996.4	999.1	-13.7	-2.8	2.0		7	30	-17	1		
88968 BASE ORCADAS	6045S	04443W	4		999.1	1000.6	-11.9	-3.5	2.8		15	116	64	5	8	250
89053 BASE JUBANY	6214S	05838W	4		997.8	999.3	-8.2		3.0		5	16			1	
89055 BASE MARAMBIO (CENTRO MET. A	6414S	05643W	198		974.9		-18.2		1.3		4	14			3	
89066 BASE SAN MARTIN	6808S	06708W	4		964.2		-9.2		2.1		6	27			0	
<b>UNITED KINGDOM (ANTARCTIC)</b>																
89022 HALLEY	7530S	02639W	30		992.5	996.7	-32.9		.3							
89062 ROTHERA POINT	6734S	06808W	16		992.8	997.1	-9.5		2.4							
<b>UKRAINE (ANTARCTIC)</b>																
89063 VERNADSKY	6515S	06416W	11		995.7	997.1	-4.9		3.5		9	30		4		
<b>USSR (ANTARCTIC)</b>																
89050 BELLINGSHAUSEN	6212S	05856W	16		995.9	997.8			3.3		11	33	33		7	
89512 NOVOLAZAREVSKAJA	7046S	01150E	0		977.3	992.7	-14.1		.9		1	2	-1		0	
89592 MIRNYJ	6633S	09301E	30		993.9	999.8	-16.0		1.5		11	124	116	1		
<b>GERMANY (ANTARCTIC)</b>																
89002 NEUMAYER	7040S	00815W	50		989.4	994.7	-21.7		.9						0	
<b>URUGUAY (ANTARCTIC)</b>																
89054 DINAMET-URUGUAY	6211S	05851W	17		995.2	997.1	-7.1		3.4		2	7			1	
<b>CHILE (ANTARCTIC)</b>																
89056 CENTRO MET. ANTARTICO' ' PDTE. ED	6211S	05859W	48		991.9	997.5	-7.3		3.3	-.1	2	8		0	0	
89057 BASE ARTURO PRAT	6230S	05941W	5		997.6	998.1	-7.2	-1.5	3.3	-.1	5	16	-36	1	3	
89059 BASE BERNARDO O'HIGGINS	6319S	05641W	10		996.3	997.6	-9.2	-1.2	2.8	.1	2	5	-45	0	6	
<b>JAPAN (ANTARCTIC)</b>																
89532 SYOWA	6900S	03935E	21		989.4	992.1	-12.4	3.4	1.8	.5					0	
<b>AUSTRALIA (ANTARCTIC)</b>																
89564 MAWSON	6736S	06252E	16		995.9	998.0	-15.7		1.1						1	
89571 DAVIS	6834S	07757E	13		995.0	998.1	-14.3		1.5		2	9	1	3	0	
89611 CASEY	6617S	11031E	42		991.4	997.0	-17.4		1.4		7	27				
<b>FRANCE (ANTARCTIC)</b>																
89642 DUMONT D'URVILLE	6640S	14001E	43		988.9	994.6	-17.2		.9						8	
<b>SW PACIFIC</b>																

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O'	O'	m		mb	mb	O <sub>c</sub>	O <sub>c</sub>	mb	mb		mm	mm		hr	
<b>MALAYSIA (PENIN. MALAYSIA)</b>																
48601 PENANG/BAYAN LEPAS	0518N	10016E	4		1009.0	1009.3	28.4	1.1	30.3	-.3	11	178	0	3		
48615 KOTA BHARU	0610N	10217E	5		1008.5	1009.1	28.2	.7	30.4	.9	11	165	43	4		
48647 KUALA LUMPUR/SUBANG	0307N	10133E	22		1006.6	1009.1	28.2	1.2	29.5	.1	10	141	15	4		
48657 KUANTAN	0337N	10313E	16		1007.6	1009.3	28.0	1.3	32.1	2.3	10	90	-69	1		
48665 MALACCA	0216N	10215E	9		1008.2	1009.2	28.1	1.3	30.3	.1	4	37	-128	1		
<b>SINGAPORE</b>																
48698 SINGAPORE/CHANGI AIRPORT	0122N	10359E	16		1007.6	1009.4	28.9	1.5	31.2	.9	6	50	-90	1	209	118
<b>USA (PACIFIC OCEAN NORTH)</b>																
91165 LIHUE, KAUAI, HAWAII	2159N	15921W	45			1016.8	26.1	.7	24.3		13	35	-7	3		
91182 HONOLULU, OAHU, HAWAII	2121N	15756W	5			1016.4	26.9	.6	22.3		2	5	-7	3		
91285 HILO/GEN. LYMAN, HAWAII,	1943N	15504W	11			1016.7	24.6	.6	22.2		19	149	-8	3		
91334 TRUK, CAROLINE IS.	0728N	15151E	2			1009.9	27.5	-.2	31.2		26	354	54	4		
91348 PONAPE, CAROLINE ISLANDS.	0658N	15813E	46			1010.8	27.0	-.2	30.4		27	311	-124	1		
91366 KWAJALEIN/BUCHOLZ AAF, MARSH	0844N	16744E	8			1010.6	28.5	.7	30.3		15	175	-69	1		
91376 MAJURO/MARSHALL IS. INTL	0705N	17123E	3			1010.1	28.0	.7	30.9		21	293	-1	3		
91408 KOROR, PALAU IS.	0720N	13429E	33			1010.0	27.9	.3	30.9		19	354	-84	3		
91413 YAP, CAROLINE IS.	0929N	13805E	16			1010.0	27.7	.4	31.7		23	294	-28	3		
<b>NEW CALEDONIA</b>																
91577 KOUMAC (NLE-CALEDONIE)	2034S	16417E	18		1013.5	1015.6	21.9	.7	20.0		6	84	14	4	181	97
91592 NOUMEA (NLE-CALEDONIE)	2216S	16627E	72		1008.3	1016.7	21.7	.9	20.3		8	62	-66	1	165	105
<b>TUVALU (NEW ZEALAND)</b>																
91643 FUNAFUTI	0831S	17913E	2		1010.2	1010.4	28.0		31.8		24	266		4	144	75
<b>FIJI</b>																
91650 ROTUMA	1230S	17703E	26			1011.4	26.9		29.7		20	297		5	163	85
91680 NANDI	1745S	17727E	25			1013.7	23.8	-.4	22.8		2	30	-32	2	214	104
91683 NAUSORI	1803S	17834E	7			1014.7	23.2		23.9		11	74		2		
91699 ONO-I-LAU	2040S	17843W	28			1016.1	23.4		21.7		5	21		1		
<b>NEW CALEDONIA (DETACHED IS.)</b>																
91753 HIHIFO (ILE WALLIS)	1314S	17610W	27		1008.3	1011.4	26.6		28.1		20	279		5	144	65
<b>SAMOA (USA)</b>																
91765 PAGO PAGO/INT. AIRPORT	1420S	17043W	3			1011.9	27.1		27.1		8	196		3		
<b>COOK ISLANDS (NEW ZEALAND)</b>																
91843 RAROTONGA	2112S	15949W	7		1014.1	1014.9	22.5		20.8		8	42		2	181	220
<b>FRENCH POLY. (MARQUESAS)</b>																
91925 ATUONA	0948S	13902W	52		1005.9	1011.8	26.3		26.9		13	102	-76	2	185	96
<b>FRENCH POLY. (SOCIETY IS)</b>																

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb	mm	mm	hr	%		
91929 BORA-BORA	1626S	15145W	3		1011.9	1012.3	26.0		27.0		13	174		4		
91938 TAHITI-FAAA	1733S	14937W	2		1012.4	1012.7	25.4		25.8		13	271	211	6	163	74
<b>FRENCH POLY. (TUAMOTU IS)</b>																
91943 TAKAROA	1429S	14502W	3		1012.0	1012.3	27.5		28.5		8	96	-4	3	228	100
91945 HEREHERETUE	1952S	14500W	3		1013.5	1013.7	24.5		25.4		13	248		5	107	50
91948 RIKITEA	2308S	13458W	89		1005.2	1015.4	22.0		21.9		11	227	52	4	88	63
<b>FRENCH POLY. (AUSTRAL IS)</b>																
91954 TUBUAI	2321S	14929W	3		1014.5	1014.8	21.2		20.3		10	275	168	6	124	71
91958 RAPA	2737S	14420W	2		1016.2	1016.5	19.5		16.8		12	166		3	86	75
<b>PAPUA NEW GUINEA</b>																
92001 KIUNGA W.O.	0605S	14111E	35		1006.3	1010.3			28.4		11	107			169	
92003 DARU W.O.	0905S	14312E	9		1010.9	1011.9			28.1		11	67			220	
92004 WEWAK W.O.	0335S	14340E	4		1009.2	1009.6			29.7		7	165			223	
92014 MADANG W.O.	0513S	14548E	5		1009.0	1009.6			30.2		7	147		2	258	125
92035 PORT MORESBY W.O.	0923S	14713E	58		1004.3	1010.1			26.1		7	50		4	189	85
92072 HOSKINS W.O.	0528S	15024E	8						23.0		6	50				
92076 KAVIENG W.O.	0234S	15049E	4		1009.2	1009.7			30.4		14	216			224	
92077 GURNEY W.O.	1019S	15020E	23		1009.5	1012.2			22.7		16	229			135	
<b>NEW ZEALAND</b>																
93012 KAITAIA	3506S	17316E	54				13.9		13.5		14	151	-5	3	107	80
93292 GISBORNE AERODROME AWS	3839S	17759E	5			1016.7	12.2	2.3	11.0							
93309 NEW PLYMOUTH AWS	3901S	17411E	32			1017.1	12.2		12.0		18	203		5		
93417 PARAPARAUMU AERODROME	4054S	17459E	12			1015.9	12.2	3.0	11.6		13	154	53	5	93	85
93615 HOKITIKA AERODROME AWS	4243S	17059E	40			1014.5	9.5		10.4		20	379		5		
93678 KAIKOURA	4225S	17342E	101			1012.2	11.4		7.7							
93780 CHRISTCHURCH	4329S	17233E	30			1011.5	8.0		7.5		4	19		1	133	110
93844 INVERCARGILL AERODROME	4625S	16819E	4			1009.7	7.6	2.1	7.9		14	113	19	4		
93947 CAMPBELL ISLAND AWS	5233S	16909E	19			999.4	5.2		7.5		22	159		5		
93987 CHATHAM ISLANDS AWS	4357S	17634W	49			1015.4	10.0		10.8							
93994 RAOUL ISLAND KERMADEC IS.	2915S	17755W	49			1020.5	17.7		15.1		10	80		0		
<b>AUSTRALIA</b>																
94120 DARWIN AIRPORT	1225S	13053E	31		1009.1	1013.1	25.4		18.2		1	5	4	5	312	105
94150 GOVE AIRPORT	1217S	13649E	54		1007.0	1013.1	24.9		23.1		7	37		3	259	115
94203 BROOME AIRPORT	1757S	12214E	7		1013.9	1014.9	22.5		13.8		01	1	-15	4	300	
94212 HALLS CREEK AMO	1814S	12740E	424		967.9	1016.5	20.5		7.0		0	0	-4	1		
94238 TENNANT CREEK MET OFFICE	1938S	13411E	375		974.2	1017.9	18.8		6.0		0	0	-6	1	302	102
94287 CAIRNS AERO	1653S	14545E	3		1014.8	1015.7	22.5		20.9		8	35	-14	3	218	97
94294 TOWNSVILLE AERO	1915S	14645E	9		1015.8	1016.9	21.5		18.1		1	5	-15	3	241	102
94299 WILLIS ISLAND	1618S	14959E	6		1013.5	1014.5	24.9		23.7		9	151	99	5		
94312 PORT HEDLAND AIRPORT	2022S	11838E	9		1015.3	1016.3	21.7		12.3		3	7	-13	3		
94326 ALICE SPRINGS AERO	2348S	13353E	546		956.8	1020.9	12.4		6.7		1	20	6	5	275	107
94332 MT ISA AERO	2041S	13929E	340		978.1	1017.8	18.3		7.2		1	1	-1	4	285	101
94346 LONGREACH AIRPORT	2326S	14417E	192		996.1	1018.9	17.0		8.7		1	12	-1	4		
94367 MACKAY MO	2107S	14913E	30		1014.1	1017.9	19.2		18.3		11	139	76	5	213	100



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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	
94374 ROCKHAMPTON AERO	2323S	15029E	14		1017.0	1018.6	18.9		14.2		3	21	-14	3		
94403 GERALDTON AIRPORT	2848S	11442E	33		1015.0	1019.3	15.3		10.9		8	47	-64	1		
<b>94430 MEEKATHARRA AIRPORT</b>	2637S	11833E	517		959.2	1019.6	14.0		8.2		5	33	-3	4		
<b>94461 GILES</b>	2502S	12817E	598		950.7	1020.1	14.8		6.5		2	15	-1	4	261	104
94610 PERTH AIRPORT	3156S	11559E	31		1016.7	1019.2	13.0		10.9		15	158	-10	3	186	
94647 EUCLA	3141S	12853E	102		1007.2	1019.5	13.0		10.1		5	15		2		
<b>94653 CEDUNA AIRPORT</b>	3208S	13342E	16		1017.8	1019.7	12.5		10.0		7	30	-1	3	197	104
<b>94693 MILDURA AIRPORT</b>	3414S	14205E	52		1012.7	1019.1	11.2		9.6		5	22	1	4	147	80
<b>94711 COBAR</b>	3129S	14550E	264		988.8	1020.4	11.9		9.0		5	26	1	3	205	105
94767 SYDNEY AIRPORT	3356S	15110E	5		1017.6	1018.2	14.7		11.3		7	43	-85	1	211	113
94776 WILLIAMTOWN AERODROME	3248S	15150E	8		1017.8	1018.9	13.2		10.9		5	30	-91	1	196	113
94791 COFFS HARBOUR MO	3019S	15307E	5		1018.0	1018.8	14.5		12.4		6	78	-47	3	211	107
<b>94802 ALBANY AIRPORT</b>	3456S	11748E	69		1008.9	1017.3	11.8		10.9		13	102	0	4	158	
<b>94821 MOUNT GAMBIER AERO</b>	3744S	14047E	69		1007.7	1016.0	9.9		10.5		15	150	70	5	113	94
94866 MELBOURNE AIRPORT	3740S	14451E	132		1002.5	1016.9	10.7		9.7		8	34	-4	3	104	
<b>94907 EAST SALE AIRPORT</b>	3806S	14708E	8		1015.3	1016.3	9.6		9.0		7	46	5	4	150	114
<b>94910 WAGGA AIRPORT</b>	3510S	14727E	213		993.7	1019.6	9.8		9.8		8	66	25	5	121	95
94926 GANBERRA AMO	3518S	14912E	580		950.5	1019.6	7.7		8.5		8	47	18	5	168	110
94968 LAUNCESTON AIRPORT	4132S	14712E	178		991.6	1013.2	7.8		9.2		13	169	110	6	135	102
94975 HOBART AIRPORT	4250S	14729E	27		1007.6	1010.9	10.1		8.5		8	46	17	5	146	119
<b>AUSTRALIA (ADDITIONAL IS.)</b>																
<b>94995 LORD HOWE ISLAND AERO</b>	3132S	15904E	6		1016.3	1017.1	18.7		14.5		16	227	66	5		
<b>94996 NORFOLK ISLAND AERO</b>	2902S	16756E	109		1006.3	1019.3	17.5		15.5		16	104	-55	2	156	102
<b>94998 MACQUARIE ISLAND</b>	5429S	15856E	6		991.7	992.7	3.1		6.7		24	125	55	6	24	133
<b>INDONESIA (SUMATRA)</b>																
<b>96073 SIBOLGA/PINANGSORI</b>	0133N	09853E	3		1008.9	1008.9	26.6		28.8		17	296		3	156	95
96109 PAKANBARU/SIMPANGTIGA	0028N	10127E	31		1007.9		28.2									
<b>BRUNEI DARUSSALAM</b>																
96315 BRUNEI AIRPORT	0456N	11456E	15		1007.4	1009.3			30.9	.5	3	184	-17	1	240	114
<b>MALAYSIA (SABAH &amp; SARAWAK)</b>																
<b>96413 KUCHING</b>	0129N	11020E	27		1007.5	1010.0	26.8		29.0		15	155		1		
96421 SIBU	0220N	11150E	8		1006.5	1010.1	26.6		29.4		19	146		2	175	90
<b>96441 BINTULU</b>	0312N	11302E	5		1006.9	1009.6	27.2	.1	29.9		19	381	125	5	210	100
96449 MIRI	0420N	11359E	18		1007.5	1009.4	27.7	.6	31.1		13	202	-6	3		
<b>96465 LABUAN</b>	0518N	11515E	30		1006.1	1009.4	28.2		30.2	-.6	15	339		4	229	105
96471 KOTA KINABALU	0556N	11603E	3		1009.3	1009.6	27.5		29.0		17	170		1		
96481 TAWAU	0416N	11753E	20		1007.4	1009.3	26.3		29.2		8	231	69	5	242	125
<b>96491 SANDAKAN</b>	0554N	11804E	13		1008.3	1009.5	28.2	.9	32.5		9	237		5	256	120
<b>INDONESIA (KALIMANTAN)</b>																
96633 BALIKPAPAN/SEPINGGAN	0116S	11654E	3		1008.8	1009.6	27.8		31.8		17	361		5	113	95
<b>INDONESIA (JAWA)</b>																
<b>96805 CILACAP</b>	0744S	10901E	6			1010.9	27.3		28.7		4	32			250	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.
AUSTRALIA (OCEAN ISLANDS)	0°	0°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
96996 COCOS ISLAND AERO	1211S	09649E	3		1011.3	1011.8	27.4		28.9		15	126	-82	2		
INDONESIA (MALUKU/IRIAN JAYA)																
97980 MERAUKE/MOPAH	0828S	14023E	3			1010.6	26.1		24.6		6	17		2	205	

# 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	QUINTE	TOTAL	% OF AV.
	°	°	m		mb	mb	° C	° C	mb	mb		mm	mm		hr	
OVERDUE																
APRIL 2003																
<b>ASIA</b>																
<b>THAILAND</b>																
48378 PHITSANULOK	1647N	10016E	45		1002.5	1007.6	31.3	.7	28.8	1.6	0	0	-51	0	306	112
48455 BANGKOK	1344N	10034E	20		1008.3	1008.7	31.4	1.7	32.2	.9	1	12	-53	1	277	108
48480 CHANTHABURI	1236N	10207E	4		1008.4	1008.8	29.3	1.3	31.0	.8	5	91	-20	3	252	105
48500 PRACHUAP KHIRIKHAN	1150N	09950E	5		1008.3	1008.8	29.9	1.2	31.7	1.3	2	55	14	4		
48517 CHUMPHON	1029N	09911E	5		1008.7	1009.2	28.8	.3	30.5	.3	5	82	8	3		
<b>SW PACIFIC</b>																
<b>MALAYSIA (PENIN. MALAYSIA)</b>																
48674 MERSING	0227N	10350E	45		1004.8	1009.7	27.3	.6	31.4	1.6	9	53	-71	1		
MAY 2003																
<b>EUROPE</b>																
<b>BULGARIA</b>																
15552 VARNA	4312N	02755E	43		1011.6	1016.7	17.3	1.7							307	140
15614 SOFIA (OBSERV.)	4239N	02323E	595		948.0	1015.8	17.9	3.3	12.8	1.8	12	117	39	5	276	131
<b>ASIA</b>																
<b>INDIA</b>																
42165 BIKANER	2800N	07318E	224		976.5	1000.8	33.2	-1.1	14.7		1	7	-24	3		
42339 JODHPUR	2618N	07301E	224		978.4	1002.4	34.0		13.5		0	0	-247	0		
42452 KOTA AERODROME	2509N	07551E	274		972.3	1001.8	36.4	.7	9.5		1	2	-12	2		
43149 VISHAKHAPATNAM	1743N	08314E	3		1003.2	1003.5	33.1	1.0	32.6		2	39	-9	3		
<b>N AMERICA</b>																

# SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUNSHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°	° C	mb	mb		mm	mm		hr	
<b>COLOMBIA</b>																
80001 SAN ANDRES (ISLA)/SESQUICENT	1235N	08143W	6		1011.9	1012.0	28.4	.6	33.0	2.4	5	51	-70	4	210	83
80002 PROVIDENCIA (ISLA)/EL EMBRUJ	1322N	08121W	6				28.0	.2	31.4	.8	4	23	-98	2	217	86
<b>S AMERICA</b>																
<b>COLOMBIA</b>																
80009 SANTA MARTA/SIMON BOLIVAR	1108N	07414W	14		1008.8	1009.3	30.4	1.6	30.6	1.1	4	65	24	4	211	95
80022 CARTAGENA/RAFAEL NUNEZ	1027N	07531W	12		1008.9	1009.1	28.8	.8	32.7	2.1	3	59	-33	4	181	89
80028 BARRANQUILLA/ERNESTOCORTISSO	1053N	07447W	30		1007.7	1009.4	28.8	.7	31.8	1.7	5	44	-48	3	200	108
80084 APARTADO/LOS CEDROS	0748N	07642W	20				27.2	- .9	31.3	1.2	19	496	404	3	89	48
80091 BARRANCABERMEJA/YARIGUIES	0701N	07348W	134				28.4	.6	29.8	.7	16	315	30	2	196	115
80094 BUCARAMANGA/PALONEGRO	0706N	07312W	1189		881.8		22.1		22.4		10	50	-73	2	177	120
80097 CUCUTA/CAMILO DAZA	0756N	07231W	317		975.0	1009.4	28.7	1.0	24.5	-.8	4	12	-73	4	192	107
80099 ARAUCA/SANTIAGO PEREZ	0704N	07044W	128		988.9	1003.1	28.6	2.3	27.1	-1.2	16	395	196	2	225	
80112 RIONEGRO/J. M. CORDOVA	0608N	07526W	2142		790.9						21	224	25	0	252	
80139 PUERTO CARRENO/A. GUAUQUEA	0610N	06730W	55				28.1	.6	28.2	1.1	19	319	39	2	139	99
80144 QUIBDO/EL CARANO	0543N	07637W	53				26.7	.0	30.1	.0	27	958	254	0	102	91
80210 PEREIRA/MATECANA	0449N	07544W	1342		865.1		22.2	.8	20.6	.7	17	150	-85	0	142	101
80214 IBAGUE/PERALES	0426N	07509W	928				24.6	1.1	23.6	.4	10	82	-156	2	169	104
80222 BOGOTA/ELDORADO	0442N	07408W	2546		752.8		14.1	.3	12.4	-.4	7	46	-48	4	114	99
80234 VILLAVICENCIO/VANGUARDIA	0410N	07337W	431		961.2	1010.4	24.8	.0	25.6	.3	23	401	-162	0	115	97
80241 LAS GAVIOTAS	0433N	07055W	167		990.4	1009.7	25.0	-.5	28.0	.0	23	414	63	0	104	80
80259 CALI/ALFONSO BONILLAARAGON	0333N	07623W	969		905.4		24.1		22.5		7	50	-45	1	169	120
80315 NEIVA/BENITO SALAS	0258N	07518W	443		957.9	1006.2	28.4	1.0	25.3	.9	4	14	-95	3	171	102
80370 IPIALES/SAN LUIS	0049N	07738W	2961				11.7	.7	11.5	.2	11	53	-23	1	121	98
80398 LETICIA/VASQUEZ COBO	0433S	06932W	84		1002.3	1011.8	25.8	.0	29.4	.4	19	270	-8	0	142	94

# UPPER AIR

# JUNE 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
<b>EUROPE - NORWAY</b> JAN MAYEN 01001 JUN 2003 7056N 00840W OB 3									<b>EUROPE - NORWAY</b> BJORNOYA 01028 JUN 2003 7431N 01901E OB 3									<b>EUROPE - NORWAY</b> BODO 01152 JUN 2003 6715N 01424E OB 3								
030	24370	0	-44.0	34.4	0	96	89	6	030	24405	0	-42.7	35.2	0	95	88	6	030	24330	0	-44.7	33.7	0	97	88	7
050	20955	0	-45.5	33.9	0	78	89	3	050	20970	0	-44.0	34.9	0	80	66	4	050	20929	0	-46.4	33.2	0	80	59	4
100	16352	0	-47.1	33.5	0	51	276	2	100	16331	0	-44.9	34.8	0	51	353	3	100	16340	0	-47.6	32.2	0	72	323	4
150	13670	0	-47.2	33.2	0	57	264	3	150	13623	0	-44.9	34.9	0	69	323	5	150	13664	0	-47.7	31.1	0	75	317	6
200	11769	0	-48.4	28.5	0	50	245	4	200	11701	0	-45.4	32.7	0	82	323	7	200	11767	0	-48.7	25.8	0	72	317	9
300	9128	0	-47.3	9.9	0	33	230	5	300	9025	0	-47.9	13.5	0	81	324	12	300	9126	0	-47.4	10.1	0	66	325	11
500	5552	0	-20.6	12.8	0	35	206	3	500	5485	0	-23.6	12.1	0	79	320	9	500	5554	0	-20.9	11.3	0	69	321	7
700	2985	0	-5.2	12.0	0	32	174	3	700	2950	0	-9.1	9.8	0	82	314	7	700	2991	0	-5.6	10.6	0	50	306	4
850	1442	0	1.5	10.0	0	27	155	2	850	1428	0	-2.4	8.4	0	71	319	5	850	1446	0	2.4	6.2	0	49	259	3
1015	* 9		3.6	2.1					1014	* 18		2.0	1.8					1010	* 33		10.6	4.7				
<b>EUROPE - NORWAY</b> ORLAND 01241 JUN 2003 6342N 00936E OB 3									<b>EUROPE - NORWAY</b> STAVANGER/SOLA 01415 JUN 2003 5852N 00540E OB 3									<b>EUROPE - SWEDEN</b> SUNDSVALL-HARNOSAND FPL 02365 JUN 2003 6232N 01727E OB 3								
030	24287	0	-46.1	31.0	0	95	82	7	030	24236	1	-48.0	31.3	1	95	84	6	030	24270	21	-47.0	34.5	9	95	85	7
050	20910	0	-48.1	30.4	0	77	56	3	050	20893	1	-50.8	30.0	1	57	70	2	050	20896	9	-48.5	33.3	9	87	65	4
100	16357	0	-49.1	29.4	0	71	305	5	100	16393	1	-51.4	29.9	1	71	283	6	100	16344	3	-49.6	32.5	3	67	319	5
150	13695	0	-48.5	28.1	0	70	296	7	150	13755	1	-50.4	27.7	1	78	269	10	150	13692	3	-48.8	32.3	3	72	309	8
200	11806	0	-49.5	22.2	0	64	295	9	200	11883	1	-51.4	20.4	1	71	267	14	200	11802	3	-49.6	26.5	3	71	311	11
300	9164	0	-47.0	8.2	0	38	283	6	300	9231	1	-44.6	10.3	1	73	265	18	300	9156	3	-47.0	9.4	3	63	312	12
500	5581	0	-20.1	9.9	0	44	286	5	500	5618	1	-18.5	11.4	1	62	262	8	500	5573	3	-20.3	10.5	4	59	314	7
700	3006	0	-4.3	8.2	0	42	268	3	700	3028	1	-2.9	8.8	1	53	252	5	700	3002	3	-5.0	7.1	4	45	332	4
850	1452	0	4.1	6.4	0	46	248	3	850	1466	1	5.6	5.2	1	41	221	4	850	1450	3	4.8	5.9	3	24	345	2
1012	* 10		12.2	4.5					1010	* 14		14.0	3.7					1011	* 6		12.5	5.1				
<b>EUROPE - SWEDEN</b> GOTEBORG/LANDVETTER 02527 JUN 2003 5740N 01218E OB 3									<b>EUROPE - FINLAND</b> SODANKYLA 02836 JUN 2003 6722N 02639E OB 3									<b>EUROPE - FINLAND</b> JYVASKYLA 02935 JUN 2003 6224N 02541E OB 3								
030	24232	27	-47.7	31.1	9	90	82	6	030	24324	0	-44.4	35.5	0	93	92	7	030	24254	3	-46.1	33.7	3	97	89	7
050	20888	14	-50.7	30.7	9	67	47	3	050	20914	0	-45.9	35.0	0	82	66	5	050	20883	0	-47.7	33.2	0	79	64	4
100	16387	6	-51.8	29.2	6	78	302	7	100	16314	0	-46.4	34.4	0	58	351	3	100	16324	0	-48.7	32.8	0	62	335	4
150	13760	2	-51.2	26.6	2	85	288	11	150	13624	0	-46.3	34.4	0	74	329	6	150	13655	0	-47.7	33.2	0	74	323	8
200	11892	2	-52.3	19.4	2	81	287	18	200	11714	0	-46.6	32.5	0	74	327	8	200	11755	0	-47.7	30.6	0	71	322	10
300	9237	2	-44.0	10.9	2	75	286	19	300	9054	0	-48.5	8.9	0	72	327	12	300	9104	0	-47.9	7.3	0	61	332	12
500	5623	2	-18.5	11.4	2	76	282	11	500	5507	0	-22.8	12.8	0	79	327	9	500	5539	0	-21.4	10.0	0	62	337	7
700	3034	2	-2.9	8.6	3	63	274	6	700	2966	0	-8.5	7.7	0	74	330	6	700	2979	0	-5.9	6.6	0	50	355	4
850	1469	2	6.3	5.1	3	45	262	4	850	1434	0	.8	5.3	0	46	359	3	850	1432	0	3.4	4.6	0	37	21	3
1000	* 155		17.8	6.5					991	* 179		9.8	7.9					994	* 145		13.3	7.6				

# UPPER AIR

# JUNE 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
<b>EUROPE - FINLAND</b> <b>JOKIOINEN</b> 02963 JUN 2003 6049N 02330E OB 3									<b>EUROPE - UNITED KINGDOM</b> <b>LERWICK</b> 03005 JUN 2003 6008N 00111W OB 3									<b>EUROPE - UNITED KINGDOM</b> <b>CAMBORNE</b> 03808 JUN 2003 5013N 00519W OB 3								
030	24201	12	-46.8	32.4	9	96	81	6	030	24263	0	-47.5		0	94	89	7	030	24173	0	-50.5		0	93	87	7
050	20878	0	-48.5	32.3	0	83	67	4	050	20909	0	-49.9		0	52	89	2	050	20876	0	-54.3		0	56	115	3
100	16334	0	-49.5	31.5	0	71	323	5	100	16388	0	-50.2		0	59	250	4	100	16450	0	-55.1		0	84	232	8
150	13674	0	-48.4	30.5	0	75	313	9	150	13736	0	-48.8		0	71	247	8	150	13854	0	-53.9		0	88	234	15
200	11780	0	-48.4	25.4	0	77	315	13	200	11847	0	-49.3		0	66	241	12	200	12012	0	-54.9		0	83	235	21
300	9126	0	-47.0	9.5	0	63	319	13	300	9183	0	-45.5		0	58	239	13	300	9362	0	-41.6		0	79	232	22
500	5551	0	-20.8	9.0	0	61	322	8	500	5587	0	-19.2	10.8	0	56	225	8	500	5696	0	-15.0	14.2	0	85	231	16
700	2985	0	-5.2	7.3	0	53	328	5	700	3001	0	-3.2	8.8	0	57	217	6	700	3071	0	1.3	13.6	0	84	229	12
850	1434	0	4.0	5.2	0	42	337	3	850	1441	0	5.2	5.2	0	51	204	5	850	1487	0	8.2	10.4	0	77	226	8
998	* 103		12.5	6.0					1002	* 84		11.4	1.3					1005	* 88		14.3	2.3				
<b>EUROPE - IRELAND</b> <b>VALENTIA OBSERVATORY</b> 03953 JUN 2003 5156N 01015W OB 3									<b>EUROPE - ICELAND</b> <b>KEFLAVIKURFLUGVOLLUR</b> 04018 JUN 2003 6358N 02236W OB 3									<b>EUROPE - DENMARK &amp; FAROE IS.</b> <b>THORSHAVN</b> 06011 JUN 2003 6201N 00646W OB 3								
030	24101	22	-51.1	32.5	9	92	99	5	030	24301	0	-45.5	32.8	0	94	98	7	030	24288	0	-46.7	32.6	0	96	94	7
050	20795	22	-52.5	32.1	9	75	146	3	050	20916	0	-47.9	32.3	0	82	109	4	050	20921	0	-49.1	31.4	0	70	100	3
100	16311	22	-51.2	32.5	9	94	208	9	100	16340	0	-47.4	32.0	0	74	157	4	100	16377	0	-48.8	31.4	0	57	222	4
150	13665	22	-48.7	32.8	9	97	218	16	150	13653	0	-45.9	32.2	0	58	158	4	150	13708	0	-47.5	31.4	0	61	220	6
200	11768	22	-47.3	28.9	9	94	220	22	200	11735	0	-45.1	31.4	0	53	150	5	200	11807	0	-48.0	26.5	0	59	215	8
300	9094	22	-45.3	12.1	9	89	217	32	300	9059	0	-47.1	10.6	0	59	130	5	300	9139	0	-46.4	10.5	0	51	202	9
500	5510	22	-20.8	11.9	9	94	215	21	500	5495	0	-21.8	9.8	0	69	123	8	500	5555	0	-19.7	10.6	0	54	189	6
700	2941	22	-4.8	9.9	9	96	216	16	700	2937	0	-6.1	5.6	0	70	113	6	700	2975	0	-4.0	9.7	0	55	178	6
850	1391	22	3.0	3.2	9	96	211	12	850	1394	0	1.8	4.0	0	78	108	7	850	1421	0	3.9	4.4	0	52	166	5
1003	* 30		12.9	2.8					1003	* 54		10.7	3.9					1004	* 55		10.2	1.2				
<b>EUROPE - BELGIUM</b> <b>UCCLE</b> 06447 JUN 2003 5048N 00421E OB 3									<b>EUROPE - SWITZERLAND</b> <b>PAYERNE</b> 06610 JUN 2003 4649N 00657E OB 3									<b>EUROPE - FRANCE</b> <b>NANCY/ESSEY</b> 07180 JUN 2003 4841N 00613E OB 3								
030	24137	4	-50.5	33.6	4	90	88	7	030	24145	0	-51.5		0	87	93	6	030								
050	20859	3	-54.0	32.5	3		171		050	20863	0	-55.7		0	63	69	3	050	20900	5	-55.3		5	75	70	3
100	16466	3	-56.3	30.8	3	83	265	7	100	16497	0	-59.0		0	83	280	5	100	16510	5	-58.1		5	87	278	7
150	13896	3	-56.0	24.5	3	88	262	14	150	13953	0	-58.8		0	85	275	9	150	13957	5	-57.8		5	92	273	12
200	12081	3	-58.4	9.0	3	82	261	19	200	12158	0	-59.5	10.2	0	80	273	13	200	12152	5	-57.9		5	86	269	16
300	9443	3	-40.8	10.6	3	84	259	18	300	9518	0	-40.0	13.5	0	78	272	11	300	9504	5	-39.9		5	88	267	15
500	5759	3	-13.0	15.0	3	85	254	15	500	5816	0	-12.0	16.1	0	75	269	8	500	5805	5	-12.3	15.7	5	81	270	11
700	3113	3	3.2	18.0	3	84	254	10	700	3159	0	5.1	12.5	0	75	251	6	700	3148	5	4.9	14.4	5	86	262	9
850	1516	3	10.9	10.0	3	64	248	5	850	1540	0	16.5	10.5	0	67	240	3	850	1535	5	14.3	8.1	5	62	248	4
1005	* 104		16.6	4.4					960	* 491		22.5	8.2					992	* 217		19.5	4.4				

# UPPER AIR

# JUNE 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 - FRANCE NIMES/COUREBESSAC 07645 JUN 2003 4352N 00424E OB 3									EUROPE - FRANCE AJACCIO 07761 JUN 2003 4155N 00848E OB 3									EUROPE - SPAIN LA CORUNA 08001 JUN 2003 4322N 00825W OB 3								
030									030	24166	5	-51.5		9	75	98	6	030	24084	29	-52.2	32.2	9	81	94	4
050	20863	8	-56.9		8	78	49	4	050	20894	5	-56.4		7	67	109	3	050	20822	22	-56.7	30.3	9	64	118	2
100	16514	6	-59.9		8	83	272	5	100	16540	3	-60.5		8	62	304	4	100	16421	12	-59.3	28.4	9	92	238	4
150	13975	6	-58.7		7	80	278	8	150	14017	3	-58.9		6	58	290	6	150	13879	7	-58.7	21.6	8	88	240	7
200	12183	6	-59.0		7	74	288	10	200	12215	2	-58.6		5	41	309	6	200	12074	7	-57.6	12.4	7	79	243	9
300	9535	6	-39.6		7	64	278	8	300	9565	2	-39.4		4	33	310	4	300	9428	6	-40.7	11.2	7	78	237	9
500	5832	6	-11.7	15.7	7	70	261	7	500	5853	2	-10.9	19.7	4	57	304	6	500	5750	5	-13.7	15.7	7	84	232	7
700	3164	6	6.5	12.9	7	47	259	4	700	3180	2	7.0	16.6	4	64	299	5	700	3104	3	2.9	15.2	9	79	226	5
850	1536	6	18.0	13.2	7	14	230	1	850	1550	2	18.3	13.8	2	63	261	3	850	1506	2	10.8	9.5	8	63	231	3
1008	* 62		21.8	5.6					1015	* 9		27.5	6.5					1009	* 67		18.1	3.8				
EUROPE - SPAIN SANTANDER 08023 JUN 2003 4328N 00348W OB 3									EUROPE - SPAIN MADRID/BARAJAS 08221 JUN 2003 4030N 00335W OB 3									EUROPE - SPAIN MURCIA 08430 JUN 2003 3800N 00110W OB 3								
030	24100	1	-52.6		2	89	105	4	030	24125	2	-52.9	32.8	4	87	102	4	030	24100	26	-53.0	32.7	9	76	98	3
050	20850	0	-56.9		0	68	113	2	050	20859	1	-57.3	31.1	3	70	96	2	050	20845	13	-58.0	30.3	9	70	95	2
100	16497	0	-59.5		0	87	237	3	100	16526	1	-60.6	26.0	2	82	239	3	100	16551	2	-62.7	28.7	4	75	250	3
150	13958	0	-58.9		0	88	245	6	150	14003	1	-56.1	26.4	1	77	250	5	150	14038	1	-60.7	20.9	3	75	266	5
200	12159	0	-58.3		0	76	247	8	200	12208	1	-58.2	12.8	1	68	248	6	200	12244	1	-58.1	13.2	3	46	272	3
300	9507	0	-39.7	13.4	0	81	239	7	300	9553	1	-39.1	12.9	2	72	234	6	300	9591	0	-39.0	13.6	3	45	255	3
500	5805	0	-12.0	16.5	0	86	231	6	500	5839	1	-10.9	17.5	1	84	235	5	500	5873	0	-10.6	18.9	3	81	247	4
700	3140	0	5.4	15.5	0	82	223	4	700	3168	1	6.6	12.9	1	83	211	4	700	3194	0	8.6	14.0	2	61	222	3
850	1528	0	14.3	10.0	0	69	203	2	850	1539	1	18.8	14.7	1	60	202	2	850	1555	0	19.6	17.1	3	41	164	1
1011	* 59		18.9	2.3					944	* 633		26.4	17.3					1009	* 62		27.3	11.2				
EUROPE - GIBRALTAR GIBRALTAR 08495 JUN 2003 3609N 00520W OB 3									EUROPE - PORTUGAL LAJES/SANTA RITA (ACORES) 08508 JUN 2003 3844N 02704W OB 3									EUROPE - PORTUGAL LISBOA/GAGO COUTINHO 08579 JUN 2003 3846N 00908W OB 3								
030	24090				0	87	99	7	030	24122								030	24119	0	-52.9	32.9	2	83	109	4
050	20843				0	81	94	6	050	20835	10	-57.2						050	20861	0	-57.6	31.5	3	67	116	2
100	16551				0	76	249	6	100	16495	0	-61.6						100	16535	0	-61.1	30.1	3	84	243	3
150	14046				0	79	285	11	150	13984	0	-62.0						150	14013	0	-60.6	21.2	3	81	254	7
200	12252				0	48	258	8	200	12192	0	-58.3						200	12217	0	-57.6	14.6	4	58	255	6
300	9593				0	47	247	7	300	9534	0	-38.2	12.5					300	9555	0	-38.6	14.3	3	63	251	6
500	5868				0	77	231	8	500	5809	0	-10.5	19.0					500	5834	0	-10.2	20.5	2	71	237	5
700	3180				0	82	215	7	700	3142	0	4.3	18.2					700	3153	0	7.5	21.0	3	73	224	4
850	1540	0	18.8	20.2	0	50	148	4	850	1537	0	10.9	8.4					850	1530	0	15.4	17.1	3	42	224	2
1015	* 4		22.8	6.1					1006	* 113		20.6	7.9					1004	* 105		24.1	9.7				

# UPPER AIR

# JUNE 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
<b>EUROPE - GERMANY SCHLESWIG</b>									<b>EUROPE - GERMANY GREIFSWALD</b>									<b>EUROPE - GERMANY EMDEN-FLUGPLATZ</b>								
10035 JUN 2003 5432N 00933E OB 3									10184 JUN 2003 5406N 01324E OB 3									10200 JUN 2003 5323N 00714E OB								
030	24216	0	-49.1		0	96	79	7	030	24211	0	-49.0		0	94	80	7	030	24215	0	-49.5		0	96	84	7
050	20892	0	-52.6		0	57	55	2	050	20887	0	-52.4		0	65	49	2	050	20899	0	-53.4		0	60	58	2
100	16434	0	-54.0	31.8	0	81	285	7	100	16429	0	-54.1	31.3	0	91	299	8	100	16457	0	-55.0	30.4	0	85	278	7
150	13831	0	-53.4	28.0	0	86	278	14	150	13826	0	-53.7	26.6	0	91	290	15	150	13862	0	-54.3	25.5	0	88	270	15
200	11987	0	-55.7	16.9	0	83	274	22	200	11985	0	-55.4	16.8	0	88	289	22	200	12030	0	-57.4	12.8	0	83	269	22
300	9349	0	-42.3	10.9	0	82	277	25	300	9342	0	-42.5	11.7	0	85	288	25	300	9394	0	-41.6	10.4	0	83	269	23
500	5691	0	-15.6	14.3	0	81	271	16	500	5689	0	-15.7	15.2	0	86	286	16	500	5718	0	-13.9	15.2	0	83	264	16
700	3072	0	-.2	14.9	0	73	268	10	700	3071	0	-.3	12.9	0	83	283	10	700	3086	0	1.0	15.5	0	78	259	10
850	1495	0	7.6	7.8	0	64	257	7	850	1495	0	7.9	8.4	0	70	279	7	850	1502	0	8.8	9.7	0	65	254	6
1010	* 48		16.6	4.5					1015	* 6		17.6	5.3					1016	* 5		17.5	5.1				
<b>EUROPE - GERMANY BERGEN</b>									<b>EUROPE - GERMANY LINDENBERG</b>									<b>EUROPE - GERMANY ESSEN</b>								
10238 JUN 2003 5249N 00956E OB									10393 JUN 2003 5213N 01407E OB 3									10410 JUN 2003 5124N 00658E OB 3								
030	24190	0	-49.8		4	90	88	6	030	24207	0	-49.3		0	97	80	7	030	24185	0	-50.4	26.9	0	76	76	7
050	20879	0	-53.5		4	64	43	2	050	20885	0	-53.1		0	77	45	3	050	20869	0	-54.1	25.6	0	58	52	3
100	16446	0	-55.1	8.8	4	84	287	7	100	16447	0	-55.2	31.6	0	94	302	8	100	16448	0	-56.3	24.3	0	78	279	6
150	13859	0	-54.9	8.3	4	86	278	14	150	13858	0	-55.3	27.6	0	93	292	15	150	13884	0	-56.1	19.9	0	87	268	14
200	12034	0	-57.6	7.4	4	82	275	21	200	12032	0	-57.2	14.7	0	88	291	21	200	12070	0	-58.6	10.6	0	79	268	19
300	9399	0	-41.2	7.8	3	82	277	23	300	9392	0	-41.8	10.0	0	85	291	23	300	9435	0	-40.9	9.7	0	80	268	19
500	5725	0	-14.1	8.6	3	86	272	17	500	5723	0	-14.6	13.3	0	88	288	15	500	5750	0	-13.3	11.8	0	83	265	14
700	3096	0	1.0	8.7	1	81	270	10	700	3095	0	.7	13.9	0	88	283	10	700	3108	0	2.4	13.7	0	81	264	10
850	1513	0	9.0	5.0	1	71	262	6	850	1511	0	9.5	6.8	0	75	278	6	850	1514	0	10.2	7.1	0	70	247	5
1009	* 69		18.4	7.4					1003	* 104		19.7	9.3					999	* 153		19.3	6.5				
<b>EUROPE - GERMANY MEININGEN</b>									<b>EUROPE - GERMANY STUTTART/SCHNARRENBERG</b>									<b>EUROPE - GERMANY MUENCHEN-OBERSCHLEISSHEIM</b>								
10548 JUN 2003 5034N 01023E OB 3									10739 JUN 2003 4850N 00912E OB 3									10868 JUN 2003 4815N 01133E OB 3								
030	24171	0	-50.4		4	97	83	7	030	24134	0	-50.7	30.7	1	89	92	6	030	24170	0	-50.5		2	97	95	6
050	20869	0	-54.3		4	72	43	3	050	20871	0	-54.9	29.3	0	56	52	2	050	20871	0	-54.9		1	70	50	3
100	16462	0	-57.1	30.0	4	87	293	7	100	16485	0	-57.7	27.2	0	80	285	6	100	16484	0	-58.1	29.8	0	88	293	6
150	13896	0	-57.2	22.3	4	90	284	15	150	13928	0	-57.7	20.0	0	84	282	11	150	13931	0	-57.9	21.2	0	88	291	11
200	12089	0	-59.1	11.4	4	85	281	19	200	12128	0	-59.1	11.1	0	78	275	14	200	12131	0	-59.2	11.5	0	80	288	14
300	9453	0	-40.9	11.2	4	84	285	18	300	9488	0	-40.5	10.2	0	81	273	14	300	9492	0	-40.5	11.1	0	81	288	13
500	5765	0	-12.9	16.5	4	88	285	15	500	5793	0	-12.4	13.5	0	85	278	11	500	5794	0	-12.4	15.6	0	86	294	10
700	3121	0	2.5	14.1	4	87	278	10	700	3142	0	3.6	10.3	0	85	270	9	700	3144	0	3.7	11.2	0	88	280	8
850	1523	0	11.9	8.0	4	68	258	4	850	1534	0	13.9	7.1	0	73	249	4	850	1534	0	14.6	8.2	0	64	277	4
965	* 453		19.4	7.9					979	* 315		22.5	9.5					961	* 489		21.2	7.2				



# UPPER AIR

# JUNE 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
<b>EUROPE - AUSTRIA</b> WIEN/HOHE WARTE 11035 JUN 2003 4814N 01621E OB 3									<b>EUROPE - CZECH REPUBLIC</b> PRAHA-LIBUS 11520 JUN 2003 5000N 01427E OB 3									<b>EUROPE - SLOVAKIA</b> POPRAD-GANOVCE 11952 JUN 2003 4902N 02019E OB 3												
030	24152	10	-50.7		9	93	98	6	030	24177	0	-49.9	33.2	0	92	83	6	030	24162	0	-50.3	32.5	0	90	86	6				
050	20853	4	-54.4		4	57	59	2	050	20871	0	-53.9	32.1	0	64	33	3	050	20859	0	-53.5	31.6	0	58	28	2				
100	16460	4	-57.8		4	92	301	7	100	16460	0	-56.8	31.0	0	92	299	8	100	16445	0	-56.4	30.2	0	93	301	9				
150	13902	4	-58.0		4	89	298	12	150	13891	0	-56.6	25.0	0	91	295	14	150	13871	0	-56.7	24.3	0	92	298	15				
200	12101	4	-58.9		4	81	297	15	200	12080	0	-58.5	10.4	0	86	294	19	200	12056	0	-57.5	13.5	0	89	298	19				
300	9463	4	-40.6		4	82	297	15	300	9444	0	-40.9	10.9	0	84	295	19	300	9418	0	-41.4	12.0	0	91	300	21				
500	5772	0	-12.7	15.5	0	82	296	11	500	5760	0	-13.3	16.8	0	88	291	13	500	5745	0	-13.9	16.4	0	91	302	13				
700	3125	0	2.8	11.5	0	87	297	8	700	3121	0	2.1	11.4	0	87	287	9	700	3112	0	1.3	10.0	0	89	297	7				
850	1523	0	13.2	6.6	0	62	293	4	850	1526	0	11.9	5.7	0	56	281	3	850	1518	0	12.0	6.1	0	65	264	3				
992	* 200		22.5	7.0					981	* 303		21.3	9.7					936	* 706		17.0	7.2								
<b>EUROPE - POLAND</b> LEBA 12120 JUN 2003 5445N 01732E OB 3									<b>EUROPE - POLAND</b> LEGIONOWO 12374 JUN 2003 5224N 02058E OB 3									<b>EUROPE - POLAND</b> WROCLAW I 12425 JUN 2003 5108N 01659E OB 3												
030	24208	0	-48.5	31.6	0	94	77	7	030	24184	0	-49.3	32.7	0	94	92	6	030	24156	0	-50.0	33.6	0	96	84	7				
050	20874	0	-51.4	29.9	0	69	44	3	050	20859	0	-52.2	31.9	0	78	34	3	050	20843	0	-53.4	32.2	0	72	39	3				
100	16401	0	-53.2	29.2	0	91	307	8	100	16407	0	-54.4	31.1	0	93	305	9	100	16420	0	-55.9	31.4	0	92	301	8				
150	13787	0	-52.5	27.5	0	92	299	14	150	13806	0	-54.0	27.0	0	92	301	15	150	13840	0	-55.9	25.3	0	93	297	15				
200	11933	0	-53.5	19.1	0	88	296	22	200	11966	0	-55.0	17.1	0	90	301	22	200	12020	0	-57.5	12.8	0	88	297	21				
300	9287	0	-43.7	9.6	0	86	294	24	300	9322	0	-43.1	10.7	0	91	300	23	300	9384	0	-41.9	11.0	0	88	299	22				
500	5657	0	-17.1	12.8	0	85	290	14	500	5684	0	-16.4	12.5	0	91	298	15	500	5721	0	-14.7	14.7	0	90	294	15				
700	3053	0	-1.3	13.5	0	79	286	9	700	3073	0	-.7	12.6	0	89	293	9	700	3096	0	.5	12.0	0	87	286	9				
850	1482	0	7.1	7.0	0	69	281	7	850	1497	0	8.2	5.9	0	78	285	6	850	1513	0	9.7	5.8	0	72	283	5				
1014	* 2		15.6	4.7					1004	* 96		18.2	9.0					1002	* 116		19.3	7.4								
<b>EUROPE - HUNGARY</b> BUDAPEST/LORINC 12843 JUN 2003 4726N 01911E OB 3									<b>EUROPE - HUNGARY</b> SZEGED 12982 JUN 2003 4615N 02006E OB									<b>EUROPE - YUGOSLAVIA</b> BEOGRAD/KOSUTNJAK 13275 JUN 2003 4446N 02025E OB 1												
030	24180	2	-50.5		2	92	94	6	030	24141	8	-51.3		9	92	80	6	030												
050	20877	2	-54.2		2	39	60	2	050	20852	7	-55.3		8	45	42	2	050												
100	16472	1	-57.4		2	90	297	8	100	16468	6	-58.6		6	78	299	7	100	16469	2	-59.1		3	84	294	7				
150	13909	1	-57.7		1	90	296	13	150	13915	4	-58.3		5	75	296	10	150	13925	0	-58.4		1	74	290	9				
200	12103	1	-58.9		1	83	297	16	200	12114	3	-59.4		4	74	301	13	200	12123	0	-59.3		1	63	296	10				
300	9466	0	-40.8	10.2	0	84	299	16	300	9478	1	-40.7	10.0	3	74	303	12	300	9487	0	-40.4		1	66	305	9				
500	5777	0	-12.8	15.5	0	86	298	11	500	5785	1	-12.4	15.4	2	77	306	9	500	5790	0	-12.0	15.2	1	74	311	7				
700	3131	0	2.5	10.8	0	87	300	8	700	3136	1	3.1	9.8	3	83	307	7	700	3138	0	3.7	10.1	1	69	312	6				
850	1530	0	13.3	6.4	0	64	292	4	850	1530	0	14.0	7.9	2	69	308	4	850	1530	0	14.3	7.6	1	58	322	3				
999	* 139		23.7	11.1					1006	* 83		18.3	4.5					992	* 203		21.8	7.8								



# UPPER AIR

# JUNE 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
<b>EUROPE - TURKEY</b> <b>ANKARA/CENTRAL</b> 17130 JUN 2003 3957N 03253E OB 3									<b>EUROPE - TURKEY</b> <b>IZMIR/GUZELYALT</b> 17220 JUN 2003 3826N 02710E OB 3									<b>EUROPE - TURKEY</b> <b>ISPARTA</b> 17240 JUN 2003 3745N 03033E OB 3								
030	24096	1	-53.5	32.7	1	85	83	7	030	24092	1	-53.7	31.9	2	84	80	7	030	24085	6	-53.9	31.5	8	84	84	7
050	20849	1	-58.2	31.4	1	22	128	1	050	20846	1	-58.6	30.5	3	42	124	2	050	20846	5	-59.1	29.6	5	48	83	3
100	16537	0	-60.9	29.5	1	97	258	15	100	16547	1	-61.6	29.4	2	96	256	13	100	16563	5	-62.8	27.1	6	97	251	16
150	13994	0	-56.1	28.1	1	97	255	25	150	14012	0	-56.7	27.5	1	96	251	21	150	14040	4	-56.7	26.6	6	98	248	27
200	12152	0	-52.6	21.2	1	80	259	20	200	12177	0	-53.0	22.1	1	74	250	14	200	12192	2	-51.9	22.3	6	92	249	25
300	9475	0	-40.1	16.7	0	48	292	8	300	9498	0	-39.6	18.8	0	22	312	3	300	9496	2	-38.7	18.8	3	49	265	7
500	5775	0	-11.4	19.9	1	55	316	6	500	5793	0	-11.0	22.3	0	33	345	3	500	5791	1	-11.2	17.4	1	23	339	2
700	3112	0	5.2	14.7	1	58	320	5	700	3123	0	6.7	17.9	0	59	9	4	700	3122	1	6.0	12.5	2	37	11	2
850	1497	0	15.1	12.2	3	86	51	6	850	1497	0	17.8	16.8	0	83	22	5	850	1500	1	16.7	11.8	3	71	35	4
913	* 891		17.0	8.3					1007	* 29		24.2	9.5					901	* 997		15.4	5.9				
<b>EUROPE - TURKEY</b> <b>DIYARBAKIR</b> 17280 JUN 2003 3753N 04012E OB 3									<b>EUROPE - CYPRUS</b> <b>ATHALASSA</b> 17607 JUN 2003 3509N 03324E OB 2									<b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b> <b>MURMANSK</b> 22113 JUN 2003 6859N 03307E OB 3								
030	24066	2	-54.2	32.2	4	91	79	7	030									030	24327	3	-43.9	34.8	3	95	93	6
050	20838	1	-60.0	30.7	2	60	95	3	050									050	20921	0	-45.5	33.8	0	84	83	4
100	16591	0	-64.6	28.8	2	96	250	19	100									100	16310	0	-45.8	32.8	0	31	6	1
150	14077	0	-56.8	31.2	0	98	254	34	150	14124	0	-58.1	31.1	0	98	248	30	150	13610	0	-45.4	32.7	0	52	324	3
200	12227	0	-49.9	28.1	0	97	252	35	200	12280	0	-50.2	30.9	0	97	249	31	200	11688	0	-45.4	31.2	0	67	326	5
300	9500	0	-35.5	28.5	0	90	258	23	300	9547	0	-34.3	30.8	0	86	252	22	300	9011	0	-48.4	12.3	0	55	327	8
500	5774	0	-10.4	26.5	0	75	255	7	500	5803	0	-10.0	30.3	0	56	276	5	500	5476	0	-23.9	12.2	0	71	328	7
700	3096	0	8.0	15.9	0	34	259	2	700	3125	0	6.8	20.7	0	49	314	3	700	2944	0	-9.2	10.7	0	81	332	6
850	1457	0	20.9	20.1	0	68	349	4	850	1498	0	18.7	15.5	0	64	330	3	850	1421	0	-2.0	5.8	0	71	337	4
930	* 677		21.0	15.2					989	* 161		33.3	18.0					999	* 121		6.0	5.8				
<b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b> <b>ARHANGEL'SK</b> 22550 JUN 2003 6437N 04030E OB 3									<b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b> <b>ST. PETERBURG (VOEJKOVO)</b> 26063 JUN 2003 5957N 03042E OB 3									<b>EUROPE - LATVIA</b> <b>RIGA</b> 26422 JUN 2003 5658N 02403E OB								
030	24299	2	-45.5	31.5	2	92	95	6	030	24261	1	-47.0	30.7	1	97	87	7	030								
050	20905	0	-46.6	31.4	1	85	109	4	050	20895	1	-48.4	30.4	1	79	67	3	050								
100	16312	0	-46.7	32.4	1	6	182	0	100	16346	1	-49.2	30.6	1	69	321	5	100	16366	15	-51.0	32.4	9	85	318	8
150	13619	0	-45.8	32.2	1	33	280	2	150	13678	1	-47.6	30.5	1	69	317	8	150	13724	15	-49.7	30.2	9	89	310	13
200	11700	0	-45.4	30.2	0	39	286	4	200	11770	0	-47.2	27.5	0	70	318	10	200	11843	15	-49.9	24.3	9	85	308	18
300	9020	0	-47.7	11.4	0	30	278	5	300	9108	0	-47.5	9.7	0	56	328	11	300	9191	15	-45.9	9.7	9	81	302	19
500	5485	0	-22.6	10.6	0	38	310	4	500	5540	0	-21.2	10.1	0	57	323	7	500	5594	15	-19.3	9.3	9	80	305	12
700	2938	0	-7.1	9.6	0	46	331	4	700	2974	0	-5.1	9.1	0	56	332	5	700	3010	15	-3.5	10.3	9	75	309	10
850	1401	0	.2	5.9	0	42	1	3	850	1424	0	3.5	5.5	0	51	346	4	850	1451	15	5.1	5.5	9	72	316	8
1009	* 4		8.2	5.8					1000	* 78		11.5	5.5					1009	* 26		12.4	2.3				

# UPPER AIR

# JUNE 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) VOLOGDA 27037 JUN 2003 5919N 03955E OB 3									EUROPE - RUSSIAN FEDERATION (EUROPE) KAZAN' 27595 JUN 2003 5536N 04917E OB 3									EUROPE - RUSSIAN FEDERATION (EUROPE) MOSKVA (DOLGOPRUDNYJ) 27612 JUN 2003 5545N 03757E OB 0								
030	24240	6	-46.0	15.4	6	98	92	6	030	24275	14	-47.4	12.8	9	92	93	5	030	24225	4	-47.8	19.5	4	96	102	6
050	20856	3	-47.6	14.0	3	87	90	3	050	20905	6	-49.1	12.3	6	77	149	3	050	20870	2	-49.1	18.4	2	71	90	2
100	16295	2	-48.1	12.3	2	52	298	3	100	16358	5	-48.7	10.9	5	76	246	5	100	16338	2	-48.9	17.0	2	60	282	4
150	13615	2	-46.3	11.0	2	58	299	5	150	13681	5	-46.9	9.8	5	70	252	7	150	13669	2	-47.0	16.5	2	67	297	7
200	11706	0	-46.1	8.7	0	53	299	6	200	11770	4	-46.9	7.7	4	61	250	8	200	11762	2	-46.4	14.7	2	67	303	10
300	9044	0	-47.4	5.0	0	34	291	6	300	9093	2	-46.1	5.1	2	40	263	7	300	9087	2	-46.4	8.0	2	56	305	11
500	5484	0	-21.3	7.3	0	42	319	5	500	5514	2	-20.8	6.3	2	54	255	6	500	5518	2	-20.4	8.6	2	61	318	8
700	2925	0	-5.7	5.2	0	41	328	3	700	2946	2	-5.0	4.0	1	59	238	6	700	2953	2	-4.9	5.2	2	63	324	6
850	1383	0	3.7	4.1	0	41	349	3	850	1394	2	4.0	3.4	1	55	243	5	850	1404	2	4.3	3.5	2	58	319	5
991	* 126		8.2	2.2					992	* 116		10.2	2.9					985	* 200		12.2	4.8				
EUROPE - RUSSIAN FEDERATION (EUROPE) ROSTOV-NA-DONU 34731 JUN 2003 4715N 03949E OB 3									EUROPE - ISRAEL BET DAGAN 27595 JUN 2003 5536N 04917E OB 3									EUROPE - JORDAN MAFRAQ 27612 JUN 2003 5545N 03757E OB 0								
030	24170	24	-51.8	16.0	9	89	96	5	030									030								
050	20875	24	-53.7	14.8	9	58	239	2	050									050		16	-62.3		9	88	109	8
100	16447	24	-53.6	13.0	9	86	279	15	100	16664	3	-70.1		5	97	229	19	100	16696	3	-71.1		3	93	235	14
150	13818	20	-51.3	12.0	9	93	276	20	150	14209	1	-59.8		1	98	237	30	150	14248	2	-60.5		2	98	239	29
200	11941	14	-51.4	10.7	9	86	293	21	200	12373	0	-49.3	16.3	1	98	241	32	200	12399	1	-48.8		1	98	243	32
300	9287	4	-43.3	9.0	4	83	291	23	300	9613	0	-31.9	19.3	0	98	246	25	300	9628	0	-31.3		1	98	249	25
500	5650	0	-16.5	10.3	0	86	282	16	500	5822	0	-7.5	23.3	0	90	252	12	500	5828	0	-7.2	38.1	1	91	249	13
700	3044	0	-8	8.6	0	87	281	10	700	3125	0	8.6	19.7	0	77	257	6	700	3127	0	9.6	26.6	0	70	244	8
850	1470	0	9.9	7.4	0	81	281	7	850	1493	0	18.4	16.8	0	76	302	4	850	1487	0	19.7	21.4	0	81	306	8
1002	* 78		19.5	9.1					1006	* 35		25.2	6.3					933	* 687		19.0	7.2				
ASIA - RUSSIAN FEDERATION (IN ASIA) OSTROV DIKSON 20674 JUN 2003 7330N 08024E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) HATANGA 20891 JUN 2003 7159N 10228E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) NAR'JAN-MAR 23205 JUN 2003 6738N 05302E OB 3								
030	24674	12	-40.2	17.7	9	92	103	4	030	24459	13	-43.1	16.4	9	98	83	6	030	24376	4	-43.4		4	97	101	7
050	21200	9	-41.0	16.8	9	62	134	2	050	21011	9	-44.6	15.7	9	87	77	3	050	20955	1	-44.4		1	82	115	4
100	16498	8	-41.4	16.3	8	74	225	4	100	16390	5	-46.2	13.8	5	47	299	2	100	16338	0	-45.6		0	60	193	3
150	13739	8	-40.3	15.6	8	78	240	7	150	13693	5	-45.7	12.0	5	65	291	6	150	13632	0	-44.8		0	65	208	5
200	11772	8	-39.3	14.7	8	79	242	10	200	11783	4	-47.3	9.2	4	63	303	9	200	11708	0	-45.0	19.0	0	70	212	9
300	9040	5	-48.1	2.5	5	74	245	15	300	9117	3	-45.5	6.7	3	50	284	13	300	9015	0	-45.3	4.3	0	67	214	13
500	5489	2	-22.6	9.6	4	73	239	12	500	5532	3	-21.0	7.8	3	62	292	10	500	5448	0	-22.9	7.6	0	54	221	7
700	2940	2	-7.2	9.4	3	67	237	8	700	2969	3	-5.7	12.0	3	60	295	6	700	2908	0	-8.3	6.2	1	35	234	3
850	1407	1	.5	7.2	4	66	232	6	850	1427	3	1.1	7.7	4	46	283	4	850	1379	0	-1.3	3.7	1	7	269	1
1006	* 47		3.5	2.8					1010	* 33		7.0	5.8					1008	* 12		4.2	2.9				







# UPPER AIR

# JUNE 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
<b>ASIA - IRAN, ISLAMIC REPUBLIC OF KERMAN</b> 40841 JUN 2003 3015N 05658E OB 3									<b>ASIA - SAUDI ARABIA JEDDAH (KING ABDUL AZIZ INT.)</b> 41024 JUN 2003 2142N 03911E OB 3									<b>ASIA - SAUDI ARABIA ABHA</b> 41112 JUN 2003 1814N 04239E OB								
030	24014	6	-53.0						030	23933	3	-53.6	22.9	4	98	89	18	030	23883	6	-54.4	22.5	6	99	90	19
050	20782	5	-62.6						050	20720	3	-63.7	18.0	3	97	92	14	050	20683	6	-64.6	14.8	6	97	90	15
100	16692	3	-74.0						100	16686	0	-79.2	10.9	0	93	119	17	100	16647	3	-79.9	8.8	3	98	103	24
150	14266	1	-61.9						150	14309	0	-64.5	12.8	0	71	129	10	150	14277	3	-64.9	10.4	3	94	105	17
200	12438	1	-50.1	14.2					200	12494	0	-50.6	14.7	0	52	133	6	200	12465	3	-50.9	12.1	3	90	102	12
300	9678	1	-30.1	19.7					300	9730	0	-29.6	17.5	0	42	147	4	300	9705	3	-29.5	14.9	3	90	89	8
500	5860	1	-6.7	10.2					500	5897	0	-7.3	11.9	0	64	158	4	500	5876	3	-8.0	7.7	3	90	46	7
700	3127	1	16.4	21.8					700	3171	0	15.3	18.2	0	58	257	3	700	3146	2	16.2	17.6	2	64	51	4
821	*1754		20.4	21.8					850	1489	0	28.0	23.4	0	91	328	8	792	*2093		25.0	19.5				
									1002	* 17		32.6	9.9													
<b>ASIA - UNITED ARAB EMIRATES ABU DHABI INTER. AIRPORT</b> 41217 JUN 2003 2426N 05439E OB 3									<b>ASIA - OMAN SEEB, INTERNATIONAL AIRPORT</b> 41256 JUN 2003 2335N 05817E OB 1									<b>ASIA - OMAN SALALAH</b> 41316 JUN 2003 1702N 05405E OB 3								
030	23957	27	-54.7		9	99	100	8	030	23963	19	-53.9	9.1	9	95	84	15	030	23879	5	-54.1	32.6	6	99	88	22
050	20766	2	-64.9		1	95	91	15	050	20756	12	-63.9	23.3	9	98	85	15	050	20670	4	-64.2	26.0	4	97	85	18
100	16749	1	-78.0		0	81	105	10	100	16674	9	-78.6		9	90	97	15	100	16638	3	-79.9	14.4	4	97	95	26
150	14351	1	-62.7		0	50	105	5	150	14290	9	-63.3	13.4	9	68	80	10	150	14270	3	-65.3	14.3	4	96	101	19
200	12520	1	-48.7	46.7	0	25	80	2	200	12490	8	-49.1	17.0	9	43	78	9	200	12460	3	-50.9	16.2	3	93	103	14
300	9733	1	-27.9	32.5	0	40	24	3	300	9731	6	-28.0	12.0	9	56	32	7	300	9693	3	-29.1	21.1	3	93	84	11
500	5878	0	-4.9	18.8	0	57	105	4	500	5885	3	-6.0	20.0	7	72	66	9	500	5857	2	-6.8	22.8	3	79	68	7
700	3134	0	16.5	28.6	0	17	254	1	700	3146	3	16.0	18.1	5	47	30	5	700	3132	1	14.1	23.0	2	65	34	6
850	1445	0	30.5	38.0	0	51	284	4	850	1457	3	29.9	22.8	5	76	283	5	850	1456	1	26.7	26.2	2	19	12	2
996	* 27		34.3	10.3					997	* 8		32.9	11.9					1000	* 20		29.0	4.2				
<b>ASIA - BANGLADESH DHAKA</b> 41923 JUN 2003 2346N 09023E OB /									<b>ASIA - INDIA SRINAGAR</b> 42027 JUN 2003 3405N 07450E OB 3									<b>ASIA - INDIA JODHPUR</b> 42339 JUN 2003 2618N 07301E OB 3								
030	23956	22	-53.8		9	98	96	18	030									030								
050	20739	22	-64.7		9	98	86	19	050									050	20809	9	-64.4					
100	16721	21	-79.6		9	91	68	12	100									100	16811	9	-73.7		9	86	142	6
150	14341	21	-63.8		9	38	42	4	150	14282	2	-56.5						150	14370	5	-60.5		9	56	257	5
200	12516	21	-48.6		9	8	127	1	200	12418	0	-46.7		9	98	260	20	200	12501	0	-46.5		9	85	250	8
300	9711	21	-25.8	15.2	9	55	140	4	300	9624	0	-28.3	9.0	9	89	260	18	300	9716	0	-26.4	6.7	9	68	276	5
500	5831	21	-3.3	8.4	9	49	288	3	500	5809	0	-7.1	6.0	7	72	280	4	500	5839	0	-3.7	18.6	8	62	325	4
700	3093	21	11.4	4.2	9	71	259	6	700	3087	0	12.8	8.0	3	40	295	1	700	3102	0	15.3	36.0	2	39	320	2
850	1438	21	20.1	4.7	9	81	224	7	835	*1587		21.6	7.4					850	1429	0	27.0	10.7	0	80	235	7
1000	* 9		27.1	1.9														972	* 224		33.6	13.1				



# UPPER AIR

# JUNE 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
<b>ASIA - INDIA</b> <b>LUCKNOW/AMAUSI</b> 42369 JUN 2003 2645N 08053E OB 3									<b>ASIA - INDIA</b> <b>GAUHATI</b> 42410 JUN 2003 2606N 09135E OB 3									<b>ASIA - INDIA</b> <b>PATNA</b> 42492 JUN 2003 2536N 08506E OB 3									
030									030									030									
050	21004	5	-61.1						050									050	20943	4	-64.3						
100	16860	0	-73.9						100	16803	5	-75.4						100	16884	1	-74.2						
150	14459	0	-59.9	2.6					150	14387	2	-61.3			2	64	271	6	150	14461	1	-60.3					
200	12592	0	-45.7	8.0					200	12542	0	-45.9			0	72	248	7	200	12582	0	-44.6					
300	9768	0	-24.9	6.6					300	9682	0	-24.6	6.6	0	70	230	6	300	9743	0	-23.3			5	64	270	5
500	5861	0	-1.9	13.2					500	5822	0	-2.6	4.2	0	64	221	5	500	5833	0	-2.5	12.5	2	81	295	7	
700	3102	0	14.8	7.0	2	87	297	14	700	3077	0	11.3	3.0	0	49	228	4	700	3084	0	12.8	4.6	1	80	297	8	
850	1421	0	26.0	8.4	0	69	284	7	850	1423	0	20.2	2.8	0	24	202	2	850	1418	0	22.6	4.8	0	32	270	2	
982	* 128		31.6	8.2					994	* 54		27.1	2.5					991	* 60		29.8	4.1					
<b>ASIA - INDIA</b> <b>CALCUTTA/DUM DUM</b> 42809 JUN 2003 2239N 08827E OB 3									<b>ASIA - INDIA</b> <b>NAGPUR SONEGAON</b> 42867 JUN 2003 2106N 07903E OB 3									<b>ASIA - INDIA</b> <b>BHUBANESWAR</b> 42971 JUN 2003 2015N 08550E OB 3									
030	24062	8	-54.1		8	88	89	18	030									030	24026	9	-54.3						
050	20835	5	-64.4		5	90	91	18	050									050	20843	2	-64.3						
100	16744	2	-76.5		2	91	84	15	100									100	16780	0	-77.1		2	96	77	18	
150	14387	0	-62.2		0	55	85	5	150									150	14382	0	-62.5		2	85	75	10	
200	12537	0	-47.0		0	36	99	3	200	12526	7	-46.6						200	12554	0	-47.2		0	54	69	5	
300	9721	0	-25.3	3.9	0	22	194	2	300	9716	4	-26.4						300	9738	0	-25.5		0	28	327	2	
500	5839	0	-2.9	5.6	0	64	293	6	500	5857	2	-3.9	7.6					500	5850	0	-3.3	10.9	0	75	303	5	
700	3087	0	12.8	5.5	0	71	302	8	700	3113	2	13.0	8.0	3	54	290	3	700	3108	0	13.3	6.3	0	28	290	7	
850	1421	0	22.7	3.7	0	60	186	6	850	1442	2	24.9	10.9	2	85	283	7	850	1437	0	25.0	7.0	0	89	272	7	
997	* 6		29.6	3.5					965	* 310		32.3	12.6					994	* 46		29.7	3.3					
<b>ASIA - INDIA</b> <b>BOMBAY/SANTACRUZ</b> 43003 JUN 2003 1907N 07251E OB 3									<b>ASIA - INDIA</b> <b>HYDERABAD AIRPORT</b> 43128 JUN 2003 1727N 07828E OB 3									<b>ASIA - INDIA</b> <b>CWC VISHAKHAPATNAM/WALTAIR</b> 43150 JUN 2003 1742N 08318E OB 3									
030									030									030									
050									050	20792	8	-59.4		8	99	85	16	050	20770	10	-61.6		9	98	79	17	
100									100	16673	5	-78.5		5	99	86	23	100	16664	0	-80.1		0	99	76	23	
150	14435	7	-60.3						150	14308	3	-66.0		3	96	90	19	150	14293	0	-65.9	4.8	0	95	75	17	
200	12593	3	-45.4						200	12495	1	-51.1	4.8	1	94	83	11	200	12486	0	-50.7	5.6	0	85	75	10	
300	9763	3	-24.3	6.8					300	9720	1	-27.9	6.5	1	62	74	4	300	9709	0	-27.7	6.6	0	49	63	3	
500	5859	2	-2.3	5.8					500	5859	1	-3.7	3.7	1	60	282	4	500	5846	0	-4.2	3.4	0	79	287	5	
700	3111	0	12.9	8.1					700	3119	0	12.9	4.7	0	83	271	7	700	3104	0	13.3	5.1	0	85	269	7	
850	1451	0	20.8	3.4	2	81	251	5	850	1449	0	24.3	7.2	0	89	277	9	850	1431	0	24.7	6.3	0	94	265	10	
1001	* 14		29.0	3.9					942	* 545		30.7	11.4					993	* 66		30.2	5.2					

# UPPER AIR

# JUNE 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
<b>ASIA - INDIA</b> <b>GOA/PANJIM</b> 43192 JUN 2003 1529N 07349E OB 3								<b>ASIA - INDIA</b> <b>MADRAS/MINAMBAKKAM</b> 43279 JUN 2003 1300N 08011E OB 3								<b>ASIA - INDIA</b> <b>PORT BLAIR</b> 43333 JUN 2003 1140N 09243E OB 3											
030								030										030	23978	6	-55.2			6	98	91	25
050								050										050	20768	2	-63.1			2	98	89	15
100								100	16613	6	-77.5							100	16671	1	-77.7			1	98	79	31
150	14322	13	-63.6					150	14235	3	-66.1							150	14288	1	-64.5			1	96	81	29
200	12505	11	-47.9					200	12434	2	-52.1							200	12469	0	-50.3	6.2	0	95	75	23	
300	9710	7	-26.5		8	78	93	6	300	9680	2	-30.0	8.4					300	9697	0	-28.9	7.5	0	86	86	8	
500	5835	6	-4.2	5.8	6	20	260	1	500	5847	2	-4.9	6.7	6	36	275	2	500	5854	0	-4.4	10.2	0	60	265	3	
700	3107	4	10.5	6.8	4	78	269	6	700	3120	1	11.1	5.3	1	79	267	6	700	3129	0	10.6	7.3	0	89	265	7	
850	1461	4	18.9	4.6	4	87	271	8	850	1464	1	21.8	7.1	1	93	273	8	850	1482	0	19.1	2.8	0	95	250	12	
998	* 60		27.9	2.5					1001	* 16		31.4	8.5					998	* 79		27.3	2.7					
<b>ASIA - INDIA</b> <b>MINICOY</b> 43369 JUN 2003 0818N 07309E OB 3								<b>ASIA - INDIA</b> <b>THIRUVANANTHAPURAM</b> 43371 JUN 2003 0829N 07657E OB 3								<b>ASIA - HONG KONG, CHINA</b> <b>KING'S PARK</b> 45004 JUN 2003 2219N 11410E OB 1											
030								030	23854	5	-56.3							030	23952	3	-53.4	31.3	3	98	94	17	
050								050	20660	1	-65.1			7	98	90	12	050	20730	1	-62.9	22.9	1	96	87	14	
100								100	16581	0	-79.4			0	98	88	30	100	16674	0	-79.3	9.3	0	87	35	12	
150	14333	0	-65.9		0	97	85	25	150	14215	0	-66.3		0	99	84	30	150	14305	0	-65.6	9.9	0	55	359	8	
200	12525	0	-51.1		0	93	83	17	200	12416	0	-52.4		0	97	87	20	200	12494	0	-50.6	11.5	0	36	340	5	
300	9753	0	-28.2	6.6	0	84	82	8	300	9663	0	-30.0	8.5	0	91	77	9	300	9717	0	-27.9	12.9	0	33	289	3	
500	5893	0	-3.7	4.8	0	31	238	2	500	5836	0	-5.7	6.0	0	8	286	1	500	5856	0	-3.8	9.4	0	72	251	6	
700	3125	0	11.8	4.5	0	77	275	7	700	3119	0	9.8	5.9	0	73	275	6	700	3121	0	11.0	7.4	0	80	229	8	
850	1498	0	20.7	4.0	0	96	283	10	850	1478	0	17.8	3.4	0	95	299	11	850	1475	0	18.6	2.7	1	76	222	7	
1007	* 2		28.7	3.2					1000	* 64		27.4	3.4					999	* 66		26.9	2.7					
<b>ASIA - REPUBLIC OF KOREA</b> <b>OSAN AB</b> 47122 JUN 2003 3706N 12702E OB 3								<b>ASIA - REPUBLIC OF KOREA</b> <b>POHANG</b> 47138 JUN 2003 3602N 12923E OB 3								<b>ASIA - REPUBLIC OF KOREA</b> <b>KWANGJU AB</b> 47158 JUN 2003 3507N 12649E OB 3											
030	24116	0	-52.0	21.9	0	95	88	7	030	24056	0	-53.0		0	95	92	8	030	24109	1	-51.9	26.4	1	96	86	7	
050	20848	0	-57.6	20.1	0	74	78	4	050	20806	0	-58.9		0	84	91	4	050	20846	0	-58.1	23.4	0	86	87	4	
100	16547	0	-62.8	18.6	0	88	264	13	100	16543	0	-65.2		0	86	261	13	100	16576	0	-64.9	22.9	0	89	266	14	
150	14020	0	-57.8	19.0	0	89	258	26	150	14045	0	-59.8		0	90	259	29	150	14072	1	-59.4	21.8	1	91	258	29	
200	12185	0	-52.5	17.4	0	87	253	29	200	12224	0	-53.2		0	88	252	33	200	12249	0	-52.5	18.5	0	88	254	32	
300	9468	0	-35.0	15.9	0	84	255	22	300	9508	0	-34.4	13.3	0	89	253	26	300	9522	0	-33.4	15.0	0	88	255	26	
500	5716	0	-10.1	17.9	0	74	264	10	500	5747	0	-9.6	21.4	0	79	262	11	500	5744	0	-8.6	19.4	0	82	264	12	
700	3042	0	5.6	13.6	0	51	267	4	700	3069	0	5.9	17.6	0	59	256	5	700	3058	0	6.5	13.8	0	58	268	5	
850	1433	0	14.1	6.9	0	40	217	3	850	1453	0	14.2	8.7	0	37	253	3	850	1444	0	14.6	8.0	0	29	235	2	
1000	* 52		20.6	4.6					1007	* 6		21.1	5.4					1005	* 13		21.4	4.6					

# UPPER AIR

# JUNE 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
<b>ASIA - JAPAN WAKKANAI</b> 47401 JUN 2003 4525N 14141E OB 2									<b>ASIA - JAPAN SAPPORO</b> 47412 JUN 2003 4303N 14120E OB 2									<b>ASIA - JAPAN NEMURO</b> 47420 JUN 2003 4320N 14535E OB 2									
030	24151	4	-50.3		5	95	84	6	030	24117	3	-51.7		3	97	81	6	030	24117	1	-51.3		1	97	82	6	
050	20855	2	-55.1		2	70	65	2	050	20843	1	-56.0		1	62	71	2	050	20840	0	-56.2		0	49	61	2	
100	16466	0	-58.5		0	79	268	8	100	16491	0	-60.1		0	82	270	10	100	16485	0	-59.9		0	79	275	10	
150	13902	0	-55.1		1	85	269	16	150	13943	0	-56.8		0	87	267	20	150	13938	0	-56.6		0	82	272	20	
200	12064	0	-54.0		1	78	269	20	200	12110	0	-53.0		0	83	263	26	200	12104	0	-53.0		0	83	270	27	
300	9385	0	-39.0		0	61	269	10	300	9415	0	-37.4		0	66	268	14	300	9408	0	-37.1	12.9	0	60	273	14	
500	5682	0	-12.9	12.6	0	39	287	5	500	5694	0	-11.7	12.7	0	58	273	7	500	5689	0	-12.0	14.1	0	48	266	7	
700	3036	0	2.8	13.6	0	35	310	3	700	3042	0	3.3	12.3	0	29	304	3	700	3037	0	3.3	12.1	0	31	262	3	
850	1440	0	11.0	8.4	0	27	259	2	850	1444	0	10.8	5.8	0	13	243	1	850	1441	0	10.1	6.8	0	17	274	2	
1008	* 11		13.2	3.5					1006	* 26		16.4	5.3						1005	* 39		9.3	1.5				
<b>ASIA - JAPAN AKITA</b> 47582 JUN 2003 3943N 14006E OB 2									<b>ASIA - JAPAN WAJIMA</b> 47600 JUN 2003 3723N 13654E OB 2									<b>ASIA - JAPAN TATENO</b> 47646 JUN 2003 3603N 14008E OB 2									
030	24088	3	-52.6		3	97	82	6	030	24080	1	-52.9		2	95	79	6	030	24068	3	-52.8		3	96	80	7	
050	20828	2	-57.5		2	47	80	2	050	20826	1	-58.3		1	61	88	2	050	20818	2	-58.9		3	77	88	4	
100	16523	0	-62.6		0	85	269	12	100	16554	0	-65.2		0	86	267	13	100	16575	0	-67.0		0	84	270	12	
150	14008	0	-60.1		0	89	268	28	150	14063	0	-60.8		0	92	262	30	150	14109	0	-63.0		0	89	268	30	
200	12187	0	-52.7		0	90	262	34	200	12245	0	-52.4		0	93	255	35	200	12299	0	-52.4		0	91	261	34	
300	9468	0	-34.8	11.0	0	87	262	24	300	9517	0	-33.8	6.7	0	92	257	25	300	9565	0	-32.7	7.1	0	93	260	27	
500	5723	0	-10.5	19.0	0	76	266	10	500	5750	0	-9.6	16.9	0	78	259	11	500	5776	0	-8.0	13.4	0	83	253	13	
700	3059	0	4.0	10.1	0	74	272	8	700	3075	0	5.1	9.5	0	75	251	7	700	3089	0	6.3	7.9	0	71	262	7	
850	1455	0	12.4	6.3	1	79	252	6	850	1464	0	13.9	6.8	0	74	237	6	850	1471	0	14.3	4.1	0	48	232	3	
1008	* 7		19.4	4.0					1007	* 14		19.3	2.7						1006	* 31		20.1	2.3				
<b>ASIA - JAPAN HACHIJOJIMA/OMURE</b> 47678 JUN 2003 3307N 13947E OB 2									<b>ASIA - JAPAN YONAGO</b> 47744 JUN 2003 3526N 13321E OB 2									<b>ASIA - JAPAN SHIONOMISAKI</b> 47778 JUN 2003 3327N 13546E OB 2									
030	24070	4	-52.8		7	94	76	9	030	24065	4	-52.6		4	96	83	7	030	24051	9	-53.2		9	95	81	8	
050	20826	3	-59.3		8	87	73	6	050	20819	1	-59.1		1	78	84	3	050	20810	6	-59.7		7	86	82	4	
100	16616	1	-70.9						100	16576	0	-66.7		0	87	265	14	100	16605	0	-69.8		0	81	266	12	
150	14190	1	-64.8		6	87	271	27	150	14101	0	-62.2		0	92	259	31	150	14166	0	-64.1		0	89	264	28	
200	12392	1	-53.1		5	92	265	29	200	12289	0	-52.4		0	89	255	34	200	12361	0	-52.5		0	90	259	30	
300	9648	1	-31.1	8.2	2	94	263	23	300	9555	0	-32.5	9.1	0	91	256	26	300	9615	0	-31.2	6.8	0	94	257	26	
500	5830	1	-5.8	11.7	1	92	258	17	500	5767	0	-8.2	13.3	0	84	258	13	500	5805	0	-6.9	11.0	0	90	252	16	
700	3119	1	8.4	11.0	1	85	250	11	700	3079	0	6.4	12.0	0	72	249	8	700	3105	0	7.5	10.1	0	78	253	10	
850	1488	1	16.6	7.0	1	64	254	8	850	1462	0	14.5	4.4	0	70	228	6	850	1480	0	15.5	6.0	0	46	247	5	
991	* 153		21.3	1.6					1007	* 8		22.2	5.0						1002	* 75		21.8	2.4				

# UPPER AIR

# JUNE 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
<b>ASIA - JAPAN</b> <b>FUKUOKA</b> 47807 JUN 2003 3335N 13023E OB 2								<b>ASIA - JAPAN</b> <b>KAGOSHIMA</b> 47827 JUN 2003 3133N 13033E OB 2								<b>ASIA - JAPAN</b> <b>NAZE/FUNCHATOGE</b> 47909 JUN 2003 2823N 12933E OB 2										
030	24054	1	-52.8		1	96	80	8	030	24029	4	-53.4		4	96	83	8	030	24021	7	-53.3		7	97	80	10
050	20810	1	-59.5		1	91	78	4	050	20798	1	-60.5		3	91	79	5	050	20787	5	-60.9		5	96	81	8
100	16593	0	-68.4		0	85	267	13	100	16617	0	-71.3		0	80	272	12	100	16646	0	-74.8		0	55	289	7
150	14139	0	-63.2		0	90	259	30	150	14192	0	-64.6		0	87	261	26	150	14253	0	-65.6		0	72	270	16
200	12328	0	-52.5		0	89	253	32	200	12386	0	-52.0		0	88	255	27	200	12447	0	-51.5		0	76	263	16
300	9588	0	-31.6	7.3	0	91	254	25	300	9633	0	-30.4	8.7	0	93	255	23	300	9684	0	-29.4	8.1	0	87	251	15
500	5783	0	-7.0	14.4	0	88	256	14	500	5810	0	-5.9	9.4	0	87	254	14	500	5848	0	-5.0	9.8	0	88	245	12
700	3086	0	7.2	11.5	0	72	251	7	700	3102	0	8.2	9.8	0	86	246	11	700	3126	0	9.9	8.6	0	86	242	11
850	1463	0	15.2	5.4	0	65	226	6	850	1473	0	15.9	4.3	0	57	230	6	850	1484	0	17.7	6.5	0	64	229	8
1006	* 15		23.2	5.7					1005	* 31		23.9	5.1					975	* 295		23.0	2.0				
<b>ASIA - JAPAN</b> <b>ISHIGAKIJIMA</b> 47918 JUN 2003 2420N 12410E OB 2								<b>ASIA - JAPAN</b> <b>NAHA</b> 47936 JUN 2003 2612N 12741E OB 2								<b>ASIA - JAPAN</b> <b>MINAMIDAITOJIMA</b> 47945 JUN 2003 2550N 13114E OB 2										
030	23983	7	-53.2		7	99	85	14	030	23999	4	-52.8		4	99	82	12	030	23998	6	-53.4		6	98	83	13
050	20759	6	-62.7		6	97	82	11	050	20768	2	-61.7		4	97	84	9	050	20770	5	-61.9		5	97	85	10
100	16667	0	-78.0		0	47	13	5	100	16656	0	-76.4		0	33	321	4	100	16658	0	-76.6		0	25	349	3
150	14292	0	-65.9		0	44	315	8	150	14276	0	-66.0		0	52	289	10	150	14281	0	-66.2		0	40	299	7
200	12486	0	-51.0		0	35	292	6	200	12472	0	-51.4		0	58	268	11	200	12479	0	-51.5		0	46	280	7
300	9714	0	-28.3	9.4	0	49	262	6	300	9705	0	-28.7	10.7	0	68	249	10	300	9714	0	-29.0	13.2	0	55	246	7
500	5861	0	-4.3	9.6	0	74	237	7	500	5859	0	-4.6	9.6	0	89	238	10	500	5873	0	-5.0	7.8	0	85	238	9
700	3132	0	10.7	5.5	0	82	226	7	700	3134	0	10.3	7.5	0	83	228	9	700	3149	0	10.3	8.6	0	83	231	8
850	1486	0	18.6	4.8	0	71	210	7	850	1491	0	18.4	7.1	0	68	219	8	850	1506	0	18.2	6.3	0	82	224	8
1007	* 7		26.7	3.5					1006	* 27		26.2	3.7					1008	* 20		25.7	1.1				
<b>ASIA - JAPAN</b> <b>CHICHIJIMA</b> 47971 JUN 2003 2705N 14211E OB 3								<b>ASIA - JAPAN</b> <b>MINAMITORISHIMA</b> 47991 JUN 2003 2418N 15358E OB 3								<b>ASIA - THAILAND</b> <b>CHIANG MAI</b> 48327 JUN 2003 1847N 09859E OB 1										
030	24008	3	-52.9		3	99	80	12	030	23998	4	-52.9		4	99	84	16	030	23992	24	-52.1					
050	20772	3	-60.9		3	97	84	10	050	20767	4	-61.3		4	97	84	12	050	20821	8	-63.6					
100	16637	0	-75.9		0	25	356	3	100	16619	0	-75.5		0	68	40	8	100	16720	1	-76.9		1	97	75	19
150	14264	0	-67.1		0	39	313	6	150	14251	0	-68.0		0	64	30	12	150	14346	0	-63.8		0	93	75	13
200	12473	0	-52.7		0	43	286	6	200	12465	0	-53.7		0	60	22	9	200	12527	0	-48.9		0	89	70	9
300	9724	0	-30.1	15.0	0	68	261	7	300	9726	0	-31.0	8.5	0	53	20	5	300	9736	0	-26.2	8.4	0	51	75	3
500	5892	0	-5.1	14.7	0	81	253	8	500	5904	0	-5.2	11.9	0	32	12	2	500	5860	0	-2.0	3.8	0	73	250	5
700	3172	0	10.0	6.2	0	82	254	7	700	3186	0	9.8	10.0	0	13	253	1	700	3117	0	12.2	4.6	0	82	265	7
850	1530	0	18.2	4.9	0	74	245	6	850	1548	0	17.1	5.8	0	38	155	2	850	1466	0	19.7	4.0	0	83	260	5
1013	* 8		25.0	1.7					1015	* 9		25.9	3.4					971	* 314		24.7	1.9				

# UPPER AIR

# JUNE 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
<b>ASIA - THAILAND</b> <b>UBON RATCHATHANI</b> 48407 JUN 2003 1515N 10452E OB 1									<b>ASIA - THAILAND</b> <b>BANGKOK</b> 48455 JUN 2003 1344N 10034E OB 1									<b>ASIA - CHINA</b> <b>HAILAR</b> 50527 JUN 2003 4913N 11945E OB 3									
030	23950	5	-54.8		5	99	90	19	030										030	24202	1	-49.9	8.6	4	67	92	4
050	20737		-65.3		2	95	90	14	050	20719	4	-63.6		7	96	75	16	050	20885	0	-52.4	8.0	2	40	24	2	
100	16691	0	-80.2		0	99	70	21	100	16674	2	-80.3		2	93	70	24	100	16428	0	-54.1	7.3	2	42	289	5	
150	14327	0	-64.8		0	97	65	18	150	14312	2	-65.1	9.8	2	92	65	19	150	13818	0	-52.8	6.8	2	44	279	7	
200	12517	0	-49.9		0	92	65	11	200	12504	2	-49.7	9.0	2	93	60	13	200	11975	0	-55.4	6.0	2	39	278	7	
300	9740	0	-27.5	7.2	0	88	65	6	300	9731	2	-27.8	7.8	2	79	55	7	300	9320	0	-41.1	6.8	2	35	275	6	
500		0	-3.6	6.0	0	67	225	3	500	5879	2	-3.5	6.0	2	63	270	3	500	5650	0	-14.6	9.0	0	38	292	5	
700	3152	0	11.2	4.8	0	86	255	6	700	3149	2	11.1	5.1	2	86	265	6	700	3019	0	1.4	7.4	0	40	305	4	
850	1504	0	20.1	4.7	0	92	250	7	850	1501	2	20.3	5.8	2	89	260	7	850	1422	0	12.5	9.2	0	22	308	2	
995	* 127		25.9	1.7					1008	* 20		26.5	2.1						936	* 611		14.2	6.2				
<b>ASIA - CHINA</b> <b>URUMQI</b> 51463 JUN 2003 4347N 08737E OB 3									<b>ASIA - CHINA</b> <b>BEIJING</b> 54511 JUN 2003 3956N 11617E OB 3									<b>ASIA - CHINA</b> <b>LHASA</b> 55591 JUN 2003 2940N 09108E OB 3									
030	24114	1	-53.0	9.1	1	88	78	7	030	24097	3	-52.5	18.5	5	0	91	7	030	23987	2	-54.7		2	0	86	12	
050	20869	0	-59.2	7.4	0	67	40	2	050	20829	1	-57.3	17.0	1	75	28	3	050	20791	1	-65.6		1	92	81	11	
100	16564	0	-60.1	8.3	0	0	277	15	100	16500	0	-60.4	19.3	0	85	289	11	100	16745	0	-74.6		0	78	328	7	
150	13999	0	-54.1	7.6	0	0	273	23	150	13942	0	-55.5	18.0	0	90	283	18	150	14320	0	-61.7	11.2	0	86	272	12	
200	12152	0	-54.6	6.9	0	89	270	17	200	12100	0	-53.9	17.0	0	83	281	19	200	12485	0	-48.7	8.5	0	93	266	13	
300	9486	0	-38.9	7.4	0	67	270	10	300	9416	0	-38.3	17.8	1	70	289	14	300	9691	0	-27.1	7.9	0	0	258	11	
500	5770	0	-11.3	9.5	0	50	273	5	500	5710	0	-12.5	20.2	0	67	294	8	500	5821	0	-3.0	2.8	0	67	231	4	
700	3101	0	6.3	9.3	0	57	350	4	700	3057	0	4.5	12.3	0	50	296	4	653	*3650		10.3	3.7					
850	1477	0	17.4	12.1	0	75	348	3	850	1445	0	15.2	11.8	0	29	324	2										
905	* 919		18.9	10.7					1002	* 55		22.1	8.6														
<b>ASIA - CHINA</b> <b>KUNMING</b> 56778 JUN 2003 2501N 10241E OB 3									<b>ASIA - CHINA</b> <b>SHANGHAI</b> 58362 JUN 2003 3124N 12128E OB 3									<b>AFRICA - MADEIRA</b> <b>FUNCHAL</b> 08522 JUN 2003 3238N 01654W OB 3									
030	23919	5	-53.7		9	0	89	16	030	23990	2	-52.8		2	90	95	9	030	24054	3	-53.6		8	96	95	5	
050	20717	2	-65.3		7	0	81	13	050	20760	0	-61.5		0	0	77	7	050	20812	1	-59.2		5	91	103	4	
100	16692	0	-78.2		1	82	28	9	100	16600	0	-70.7		0	88	290	14	100	16542	0	-64.9		3	91	259	4	
150	14306	0	-64.0		0	67	350	8	150	14156	0	-62.7	9.5	0	91	276	29	150	14054	0	-62.3		1	82	259	6	
200	12487	0	-50.4	6.0	0	64	318	7	200	12342	0	-52.4	7.8	0	91	268	29	200	12262	0	-57.2		1	51	275	4	
300	9708	0	-27.9	6.0	0	75	286	6	300	9602	0	-31.7	9.0	0	92	265	23	300	9591	0	-37.7	19.2	0	54	283	4	
500	5843	0	-3.0	4.0	0	89	269	8	500	5793	0	-6.3	12.8	0	87	261	13	500	5853	0	-9.0	21.8	1	59	263	3	
700	3103	0	10.3	2.4	0	67	257	6	700	3088	0	8.3	15.4	0	63	267	5	700	3164	0	7.7	21.8	1	32	302	1	
808	*1892		17.5	2.5					850	1460	0	16.8	10.8	0	38	286	3	850	1544	0	13.5	11.5	0	71	15	2	
									1006	* 4		23.4	3.4						1013	* 56		22.8	6.0				

# UPPER AIR

# JUNE 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
<b>AFRICA - MOROCCO</b> <b>CASABLANCA</b> 60155 JUN 2003 3334N 00740W OB 1									<b>AFRICA - ALGERIA</b> <b>DAR-EL-BEIDA</b> 60390 JUN 2003 3643N 00315E OB 3									<b>AFRICA - ALGERIA</b> <b>BECHAR</b> 60571 JUN 2003 3137N 00214W OB 3										
030	24063	14	-53.1	32.9	9	91	92	9	030										030									
050	20822	12	-59.3	31.1	9	79	96	6	050	20850	6	-58.6			6	80	110	6	050	20817	6	-59.9			6	72	100	7
100	16563	4	-64.8	29.5	4	79	240	6	100	16554	1	-62.9			1	79	270	6	100	16578	1	-66.8			1	65	250	6
150	14071	1	-61.0	24.5	1	81	263	13	150	14048	0	-60.3			0	85	280	11	150	14103	0	-61.9			1	91	260	16
200	12271	1	-56.8	19.1	1	65	264	13	200	12247	0	-57.6			0	58	290	9	200	12303	0	-56.0			1	86	270	15
300	9603	1	-37.9	17.1	1	55	250	7	300	9592	0	-39.2	17.7	0	53	310	6	300	9628	0	-38.0	17.0	1	66	280	7		
500	5871	1	-9.5	22.2	1	74	227	9	500	5880	0	-11.5	16.2	0	61	300	5	500	5900	0	-10.5	14.2	0	55	270	4		
700	3177	1	10.3	22.2	1	68	221	6	700	3203	0	8.7	16.4	0	46	280	4	700	3208	0	11.4	17.6	0	56	180	4		
850	1533	1	20.5	24.1	1	45	203	3	850	1561	0	20.9	18.9	0	29	210	2	850	1546	0	26.3	26.6	0	64	140	5		
1009	* 62		21.2	2.8					1013	* 25		30.6	12.6						923	* 773		32.8	29.7					
<b>AFRICA - ALGERIA</b> <b>IN SALAH</b> 60630 JUN 2003 2712N 00228E OB 2									<b>AFRICA - ALGERIA</b> <b>TAMANRASSET</b> 60680 JUN 2003 2247N 00531E OB 3									<b>AFRICA - TUNISIA</b> <b>TUNIS-CARTHAGE</b> 60715 JUN 2003 3650N 01014E OB 1										
030	24001	6	-53.7		5	97	100	12	030										030	24067	14	-54.2	31.8	9	93	80	9	
050	20772	2	-61.2		3	97	110	12	050	20735	4	-62.0			7	97	85	14	050	20834	6	-59.6	28.8	8	58	78	4	
100	16597	0	-70.9		2	44	260	5	100	16614	0	-75.1			1	40	210	4	100	16547	0	-62.7	25.7	3	83	270	7	
150	14160	0	-63.1		2	88	250	20	150	14216	0	-65.3			1	80	260	14	150	14027	0	-59.1	22.6	2	80	286	9	
200	12354	0	-54.2		2	86	290	18	200	12412	0	-52.6			1	84	270	16	200	12217	0	-56.9	12.5	2	72	308	10	
300	9655	0	-36.3	25.8	2	73	300	11	300	9684	0	-33.9	23.4	1	83	280	11	300	9562	0	-39.7	16.0	2	68	325	8		
500	5907	0	-9.1	27.9	4	55	350	5	500	5913	0	-8.9	11.3	2	49	320	3	500	5857	0	-11.2	19.5	2	65	338	6		
700	3201	0	11.8	22.8	2	50	340	5	700	3204	0	13.5	17.1	2	28	270	2	700	3184	0	7.3	16.7	2	64	333	4		
850	1543	0	26.3	32.3	3	48	80	4	850	1527	0	28.6	26.7	0	45	130	2	850	1552	0	19.0	16.7	3	26	342	2		
980	* 293		40.1	33.4					866	*1378		29.3	22.8						1015	* 4		24.5	6.2					
<b>AFRICA - NIGER</b> <b>NIAMEY-AERO</b> 61052 JUN 2003 1329N 00210E OB 2									<b>AFRICA - SENEGAL</b> <b>DAKAR-YOFF</b> 61641 JUN 2003 1444N 01730W OB 3									<b>AFRICA - OCEAN ISLANDS (FRANCE)</b> <b>PORT-AUX-FRANCAIS (ILES KERG)</b> 61998 JUN 2003 4921S 07015E OB 2										
030	23869	5	-55.3						030	23885	0	-54.9	31.2	0	99	90	23	030										
050	20675	1	-64.1						050	20684	0	-63.4	28.4	0	96	95	15	050	20185	4	-61.6			6	97	271	35	
100	16594	0	-78.4						100	16592	0	-78.0	17.8	0	55	105	4	100	15853	3	-58.1			5	93	270	28	
150	14235	0	-67.6						150	14227	0	-67.8	16.8	0	46	190	4	150	13284	2	-56.6			3	89	270	26	
200	12444	0	-53.3						200	12441	0	-53.7	19.6	0	42	220	4	200	11470	2	-59.5			4	81	265	27	
300	9703	0	-31.3	12.5					300	9705	0	-31.6	27.0	0	8	250	1	300	8908	2	-50.8			4	71	263	26	
500	5890	0	-6.9	12.7					500	5897	0	-7.3	14.6	0	90	90	9	500	5405	1	-25.4	12.7	4	72	271	19		
700	3181	0	11.2	11.2					700	3191	0	11.4	13.6	0	95	90	11	700	2887	1	-10.0	13.0	4	85	277	17		
850	1524	0	22.6	12.5					850	1536	0	22.6	20.0	0	69	70	4	850	1371	2	-2.5	6.5	5	82	280	14		
985	* 227		30.8	10.9					1010	* 24		24.4	3.4						1004	* 30		3.6	4.0					

# UPPER AIR

# JUNE 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
AFRICA - EGYPT MERSA MATRUH 62306 JUN 2003 3120N 02713E OB 3									AFRICA - EGYPT HELWAN 62378 JUN 2003 2952N 03120E OB 3									AFRICA - EGYPT ASSWAN 62414 JUN 2003 2358N 03247E OB 3											
030									030									030	24070	4	-51.7			4	99	100	13		
050	20840	5	-59.1	6.1	5	99	110	10	050	20875	2	-59.9	7.6	3	96	121	7	050	20826	3	-62.1			3	97	105	13		
100	16679	2	-69.2	6.3	2	93	225	15	100	16725	1	-72.3	13.8	1	89	220	11	100	16748	2	-76.5			2	83	135	11		
150	14211	2	-58.8	12.8	2	95	245	27	150	14277	0	-60.5	14.2	0	95	239	19	150	14346	1	-62.6			1	61	185	10		
200	12361	1	-49.3	25.6	1	96	250	31	200	12438	0	-49.1	21.0	0	96	248	20	200	12515	1	-49.0	31.7		1	56	200	7		
300	9612	0	-32.6	26.4	0	95	250	24	300	9669	0	-30.8	25.2	0	98	256	19	300	9743	0	-29.1	34.8		0	51	210	5		
500	5836	0	-8.4	30.5	0	92	270	10	500	5857	0	-6.1	37.7	0	94	267	10	500	5900	0	-3.5	44.2		0	57	280	3		
700	3144	0	8.2	19.7	0	80	303	7	700	3151	0	9.4	29.1	0	68	296	4	700	3167	0	13.3	30.1		0	64	275	4		
850	1510	0	19.3	18.5	0	70	315	4	850	1509	0	20.0	18.8	0	77	351	4	850	1502	0	26.2	27.2		0	80	345	4		
1008	* 29		27.0	9.1					993	* 141		34.0	25.6					983	* 194		39.8	37.5							
AFRICA - SUDAN KHARTOUM 62721 JUN 2003 1536N 03233E OB 3									AFRICA - ETHIOPIA ADDIS ABABA-BOLE 63450 JUN 2003 0902N 03845E OB 2									AFRICA - SEYCHELLES SEYCHELLES INT. AIRPORT 63985 JUN 2003 0440S 05532E OB 3											
030									030									030	23790	2	-57.1	31.2		2	99	91	26		
050	20680	5	-64.7		9	95	175	35	050									050	20630	2	-66.8	22.9		2	45	277	3		
100	16627	2	-79.3		3	95	110	42	100	16600	3	-72.0			7	90	87	22	100	16559	0	-75.6	12.3		0	59	104	6	
150	14254	2	-66.3		2	86	110	38	150	14220	3	-67.2			6	96	98	27	150	14187	0	-69.2	9.9		0	96	63	27	
200	12453	2	-52.3		2	90	100	27	200	12430	2	-53.4	14.1		5	94	86	17	200	12409	0	-54.1	9.9		0	91	64	16	
300	9702	0	-30.5	22.3	1	89	5	17	300	9690	2	-30.6	18.8		5	99	70	7	300	9673	0	-31.2	10.9		0	81	81	9	
500	5882	0	-7.3	19.1	1	75	95	9	500	5869	2	-7.0	6.7		4	88	76	8	500	5856	0	-5.5	14.8		0	23	169	1	
700	3168	0	12.8	18.2	1	55	300	5	700	3150	1	12.7	9.9		3	60	120	5	700	3140	0	9.8	10.8		0	32	203	2	
850	1501	0	25.6	20.8	1	27	235	3	771	*2354		23.2	11.3						850	1502	0	17.4	4.5		0	88	133	7	
963	* 380		37.8	28.9														1010	* 4		26.9	3.7							
AFRICA - MADAGASCAR FORT-DAUPHIN 67197 JUN 2003 2502S 04657E OB 3									AFRICA - SOUTH AFRICA IRENE 68263 JUN 2003 2555S 02813E OB 3									AFRICA - SOUTH AFRICA BETHLEHEM 68461 JUN 2003 2825S 02833E OB											
030	23919	1	-53.7	32.7	3	35	202	2	030	23880	20	-54.5			9	31	175	2	030		4	-59.2				9	47	260	8
050	20689	1	-61.4	32.2			239	2	050	20668	16	-61.3			9	21	334	1	050		4	-54.7				9	71	267	8
100	16531	1	-70.7	25.5	3	97	278	23	100	16466	9	-68.3			9	98	270	18	100		4	-45.0				9	88	267	16
150	14088	1	-61.6	27.5	3	98	285	40	150	13990	8	-59.5			9	96	275	30	150		4	-37.7				9	80	265	12
200	12261	0	-51.7	29.9	2	96	281	44	200	12159	5	-52.2	30.2		6	96	275	36	200		4	-31.5	27.0			9	69	261	10
300	9528	0	-35.0	32.5	2	98	277	36	300	9471	3	-39.4	28.9		5	89	268	20	300		4	-21.3	29.5			7	59	257	8
500	5804	0	-12.4	29.0	1	83	274	9	500	5800	3	-14.8	27.7		5	42	246	5	500	5364	4	-5.3	33.7			4	70	251	5
700	3159	0	3.4	21.8	1	32	260	2	700	3170	3	1.3	14.2		5	24	282	2	700	3074	4	7.5	30.4			4	50	234	2
850	1560	0	11.3	4.8	1	51	35	4	850	1584	6	9.2	8.4		9	86	140	3	839	*1687		15.3	18.9						
1020	* 9		19.9	2.5					856	*1523		7.8	3.9																





# 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
<b>N AMERICA - USA (ALASKA)</b> <b>ANCHORAGE/INT.</b> 70273 JUN 2003 6110N 15001W OB 3								<b>N AMERICA - USA (ALASKA)</b> <b>COLD BAY</b> 70316 JUN 2003 5512N 16243W OB 3								<b>N AMERICA - USA (ALASKA)</b> <b>YAKUTAT</b> 70361 JUN 2003 5931N 13940W OB 3										
030	24230	3	-47.0	25.5	5	96	86	7	030	24183	0	-48.7	23.7	0	93	92	7	030	24216	2	-47.9	23.5	2	94	88	7
050	20862	3	-48.6	24.8	3	88	100	4	050	20838	0	-50.2	23.0	0	67	100	3	050	20860	1	-49.5	23.0	1	82	93	3
100	16311	2	-49.0	23.6	2	36	171	2	100	16316	2	-50.6	22.2	2	30	265	2	100	16327	2	-49.5	22.2	2	58	234	3
150	13650	2	-48.4	22.3	2	22	216	2	150	13665	2	-48.6	22.0	2	46	280	5	150	13664	2	-48.5	20.9	2	67	238	5
200	11755	2	-48.9	17.4	2	18	249	2	200	11771	2	-48.3	18.6	2	51	279	8	200	11773	2	-49.2	15.5	2	57	244	7
300	9110	2	-47.9	5.9	2	0	120	0	300	9095	2	-45.6	7.9	2	32	263	6	300	9129	1	-47.5	5.8	1	39	225	7
500	5554	1	-22.4	6.0	2	30	105	3	500	5515	2	-20.8	7.1	2	23	226	3	500	5566	2	-21.9	6.5	2	23	209	3
700	3000	1	-6.3	5.4	2	68	136	5	700	2963	2	-6.0	4.5	2	24	181	2	700	3009	2	-6.0	3.8	2	26	134	2
850	1453	1	3.0	3.3	1	57	137	3	850	1406	2	1.4	3.0	2	27	185	3	850	1462	2	2.8	4.0	2	42	162	2
1008	* 40		10.4	3.7					1006	* 31		7.0	1.2					1015	* 9		8.1	.5				
<b>N AMERICA - USA (ALASKA)</b> <b>SHEMYA AFB</b> 70414 JUN 2003 5243N 17406E OB 3								<b>N AMERICA - USA</b> <b>KEY WEST/INT., FL.</b> 72201 JUN 2003 2433N 08145W OB								<b>N AMERICA - USA</b> <b>SHREVEPORT/REG., LA.</b> 72248 JUN 2003 3228N 09347W OB 2										
030									030	24009	1	-53.4	12.1	1	98	91	15	030	24010	0	-54.1	23.3	1	97	85	7
050									050	20770	1	-60.4	8.7	1	99	87	14	050	20770	0	-60.4	18.9	0	94	89	7
100									100	16599	2	-73.2	6.9	2	83	21	7	100	16558	1	-69.1	12.6	1	80	272	7
150									150	14202	2	-66.9	7.6	2	82	332	13	150	14111	1	-63.7	11.6	1	88	270	20
200	11856	16	-49.2						200	12414	1	-54.2	8.8	1	70	323	10	200	12310	1	-54.3	10.8	1	89	267	23
300	9184	7	-43.5		8	70	297	18	300	9686	1	-32.1	10.2	1	67	317	5	300	9600	1	-34.7	13.1	1	89	274	14
500	5568	4	-17.9	13.2	6	56	294	9	500	5885	1	-7.0	7.8	1	9	318	1	500	5836	1	-8.7	16.2	1	82	263	7
700	2975	4	-2.7	8.2	5	55	295	6	700	3180	1	8.2	6.8	2	58	159	3	700	3145	1	7.9	9.5	1	69	250	5
850	1414	4	3.8	5.9	5	50	283	5	850	1548	1	17.4	5.5	2	79	162	5	850	1513	1	17.0	5.1	1	68	222	4
1007	* 31		5.7	.6					1015	* 6		27.2	3.5					1003	* 79		22.0	1.6				
<b>N AMERICA - USA</b> <b>NEWPORT, NC</b> 72305 JUN 2003 3447N 07653W OB 2								<b>N AMERICA - USA</b> <b>NASHVILLE/OLD HICKORY, TN.</b> 72327 JUN 2003 3615N 08634W OB 3								<b>N AMERICA - USA</b> <b>STERLING, VA.</b> 72403 JUN 2003 3859N 07728W OB 3										
030	24018	1	-53.0	24.0	3	95	94	7	030	24099	2	-52.3	14.0	2	94	85	6	030	24055	7	-52.5	20.9	7	97	84	7
050	20774	0	-59.4	19.4	5	94	81	6	050	20838	1	-58.1	10.2	1	81	80	5	050	20804	6	-58.3	18.4	6	77	86	4
100	16530	0	-66.9	12.7	2	71	275	7	100	16550	1	-64.3	8.4	1	81	267	8	100	16501	6	-62.6	14.9	6	79	267	9
150	14079	0	-65.1	9.2	4	76	269	13	150	14061	1	-61.7	8.7	1	85	272	19	150	13995	5	-60.6	12.5	6	80	264	19
200	12296	0	-56.5	8.0	4	78	270	16	200	12264	1	-55.6	8.9	1	80	271	23	200	12186	5	-55.0	11.4	5	75	265	24
300	9600	0	-34.9	10.3	2	79	252	14	300	9565	1	-35.5	10.2	1	82	263	16	300	9497	5	-37.3	10.4	5	72	261	19
500	5833	0	-8.9	14.0	2	78	258	10	500	5810	1	-9.5	13.3	1	87	262	11	500	5773	4	-11.3	12.5	6	79	264	13
700	3150	0	6.3	13.5	0	83	255	9	700	3132	1	6.1	11.2	1	78	261	7	700	3111	4	4.1	9.5	5	75	265	9
850	1531	0	14.9	5.8	0	81	256	6	850	1515	1	13.9	7.9	1	66	255	4	850	1506	4	12.2	8.0	5	59	304	5
1014	* 11		21.4	2.1					994	* 180		17.1	1.3					1005	* 98		17.0	1.9				

# UPPER AIR

# JUNE 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	hPa	gpm		° C	° C		%	°	mps
<b>N AMERICA - USA NORTH PLATTE/LEE BIRD, NE. 72562 JUN 2003 4108N 10041W OB 3</b>									<b>N AMERICA - USA MEDFORD/MEDFORD- JACKSON COU 72597 JUN 2003 4222N 12252W OB 3</b>									<b>N AMERICA - USA CHANHASSEN, MN 72649 JUN 2003 4451N 09334W OB 2</b>								
030	24057	2	-53.3	22.9	2	94	90	7	030	24079	0	-52.8	12.1	0	92	86	6	030	24074	3	-52.3	22.9	3	91	83	6
050	20800	1	-57.7	21.4	1	70	70	3	050	20814	0	-57.2	10.6	0	65	63	3	050	20801	3	-56.3	21.2	3	58	64	3
100	16479	2	-60.4	18.7	2	83	272	7	100	16482	1	-60.6	9.7	2	76	274	8	100	16437	4	-58.7	19.5	4	83	281	9
150	13943	1	-57.8	15.6	1	85	269	14	150	13945	1	-58.3	9.7	2	83	276	16	150	13875	4	-56.0	17.4	4	86	276	16
200	12124	1	-56.2	10.9	1	83	262	19	200	12131	1	-56.9	9.6	2	78	281	19	200	12057	3	-49.7	11.6	4	81	273	21
300	9463	1	-39.7	10.2	1	78	271	16	300	9473	1	-39.5	12.3	1	76	286	16	300	9390	4	-41.1	9.3	4	75	279	15
500	5764	1	-12.4	11.1	1	75	278	10	500	5771	1	-11.6	20.2	1	71	280	9	500	5715	3	-13.9	15.6	4	61	274	8
700	3107	1	4.7	5.7	1	57	285	5	700	3105	1	5.4	19.3	1	53	270	4	700	3079	2	1.4	12.4	2	52	265	5
850	1493	1	14.0	6.0	2	20	224	2	850	1497	1	12.3	9.3	1	27	13	1	850	1487	2	11.3	8.5	2	46	261	4
917	* 849		12.6	1.1					968	* 405		14.0	5.3					979	* 287		14.4	2.7				
<b>N AMERICA - USA INT. FALLS/FALLS INT. MN. 72747 JUN 2003 4834N 09323W OB 3</b>									<b>N AMERICA - USA BISMARCK/MUN., ND. 72764 JUN 2003 4646N 10045W OB 3</b>									<b>N AMERICA - USA GREAT FALLS, MT 72649 JUN 2003 4451N 09334W OB 2</b>								
030	24120	5	-51.1	24.4	5	95	83	6	030	24141	1	-51.0	16.7	4	94	83	6	030	24132	1	-51.1	15.1	1	93	83	6
050	20821	5	-53.9	23.3	5	62	59	2	050	20846	0	-54.4	14.5	3	45	69	2	050	20836	1	-54.4	13.1	3	56	82	2
100	16403	3	-55.9	21.2	3	83	282	9	100	16440	2	-56.5	13.5	4	82	279	8	100	16436	2	-56.2	11.8	4	77	275	8
150	13814	1	-53.7	19.7	1	81	275	13	150	13850	2	-53.5	13.0	6	83	266	14	150	13850	2	-53.8	11.2	3	74	280	13
200	11965	1	-53.9	13.0	1	77	273	14	200	12004	2	-54.9	11.5	6	77	264	17	200	12006	2	-54.3	9.9	3	71	279	16
300	9326	1	-43.2	8.7	1	67	274	12	300	9359	2	-42.4	11.1	5	66	262	13	300	9355	1	-42.8	8.8	2	71	272	14
500	5676	1	-15.5	13.9	1	65	273	7	500	5696	1	-14.7	13.9	2	66	266	8	500	5703	1	-15.6	9.7	1	73	280	10
700	3056	1	-.2	9.7	1	47	262	4	700	3066	1	1.1	7.3	2	59	270	5	700	3077	1	1.6	6.9	1	60	295	4
850	1473	1	9.7	6.3	1	37	242	3	850	1475	1	11.0	6.7	2	23	240	2	850	1477	1	12.7	8.8	1	66	258	5
970	* 361		10.2	2.0					954	* 506		12.1	2.4					886	*1131		9.6	4.2				
<b>N AMERICA - USA SPOKANE, WA 72747 JUN 2003 4834N 09323W OB 3</b>									<b>N AMERICA - CANADA NORMAN WELLS UA, N.W.T. 71043 JUN 2003 6517N 12645W OB 3</b>									<b>N AMERICA - CANADA HALL BEACH UA, N.W.T. 71081 JUN 2003 6846N 08113W OB 3</b>								
030	24144	0	-51.1	13.2	0	93	76	6	030	24293	1	-45.3	35.2	1	89	91	6	030	24337	0	-43.1	35.0	2	96	86	7
050	20845	0	-54.2	12.0	0	56	69	2	050	20899	0	-47.1	34.3	1	63	78	3	050	20910	0	-44.9	34.3	1	84	84	4
100	16437	1	-56.3	11.3	1	73	277	8	100	16319	0	-47.8	33.5	0	64	276	4	100	16282	0	-45.3	33.6	1	9	180	1
150	13851	1	-54.1	10.8	1	76	275	14	150	13643	0	-47.4	32.2	0	78	270	6	150	13573	0	-44.4	33.1	1	31	191	2
200	12011	1	-55.6	9.6	1	69	276	15	200	11741	0	-48.1	23.6	0	79	275	7	200	11641	0	-43.8	29.9	2	30	190	3
300	9364	1	-41.9	9.8	1	63	278	14	300	9107	0	-49.2	5.9	0	66	272	9	300	8945	0	-47.0	10.5	1	40	167	7
500	5703	1	-15.1	11.7	1	67	273	10	500	5556	0	-22.3	8.3	0	70	284	6	500	5408	0	-24.7	5.6	2	40	151	5
700	3079	1	1.4	10.2	2	71	254	5	700	3001	0	-5.8	5.9	0	56	302	4	700	2881	0	-10.1	4.6	1	34	126	3
850	1482	1	13.1	13.1	1	44	241	3	850	1449	0	4.8	6.9	0	31	324	2	850	1363	0	-3.4	3.3	4	28	101	2
929	* 728		11.0	5.6					1004	* 95		9.4	5.0					1008	* 6		.2	1.0				

# UPPER AIR

# JUNE 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
<b>N AMERICA - CANADA</b> ALERT UA, N.W.T. 71082 JUN 2003 8230N 06220W OB 3									<b>N AMERICA - CANADA</b> PORT HARDY UA, B.C. 71109 JUN 2003 5041N 12722W OB 3									<b>N AMERICA - CANADA</b> EDMONTON STONY PLAIN, ALTA 71119 JUN 2003 5332N 11406W OB 3								
030	24459	0	-41.0	36.0	0	77	90	4	030	24175	1	-50.0	25.5	1	93	85	7	030	24187	0	-49.4	30.8	1	91	85	6
050	20994	0	-42.3	35.6	1	61	109	2	050	20862	1	-53.0	24.1	0	46	86	2	050	20861	0	-52.1	29.8	0	41	55	2
100	16322	0	-43.5	34.8	0	48	202	2	100	16417	0	-53.9	23.6	0	78	264	8	100	16393	0	-52.6	27.8	0	64	276	7
150	13597	0	-43.4	34.5	0	71	223	4	150	13808	0	-52.6	19.7	0	82	265	14	150	13766	0	-51.3	24.9	1	70	278	11
200	11658	0	-43.2	32.6	0	70	229	5	200	11945	1	-53.7	12.9	1	77	270	19	200	11900	0	-53.2	14.1	0	66	278	14
300	8969	0	-48.7	9.6	1	67	246	11	300	9300	0	-43.0	7.9	0	68	266	17	300	9269	0	-44.0	6.2	0	57	281	13
500	5444	0	-24.8	9.6	0	70	245	8	500	5665	0	-17.0	12.1	0	68	257	11	500	5638	0	-17.5	9.2	0	57	283	8
700	2921	0	-10.7	7.9	0	65	244	4	700	3062	0	-1.2	10.4	0	47	274	5	700	3037	0	-1.7	4.7	0	67	302	7
850	1403	0	-3.1	7.3	0	47	250	3	850	1493	0	6.3	7.2	0	30	284	3	850	1458	0	9.4	8.0	0	48	313	4
1010	* 65		-1.3	2.1					1015	* 17		10.2	3.1					924	* 766		9.9	3.5				
<b>N AMERICA - CANADA</b> SABLE ISLAND, N.S. 71600 JUN 2003 4356N 06001W OB 3									<b>N AMERICA - CANADA</b> YARMOUTH, N.S. 71603 JUN 2003 4352N 06606W OB 3									<b>N AMERICA - CANADA</b> MANIWAKI, QUE. 71722 JUN 2003 4623N 07558W OB 3								
030	24089	0	-52.0	30.7	0	94	88	6	030	24089	0	-52.2	29.5	0	94	83	6	030	24132	0	-51.1	30.8	0	93	81	6
050	20817	0	-56.0	28.8	0	46	69	2	050	20817	0	-56.0	27.9	0	41	86	2	050	20835	0	-54.1	29.1	0	18	40	1
100	16446	1	-59.5	26.0	1	87	272	11	100	16452	0	-59.7	23.6	0	83	273	11	100	16430	0	-57.5	25.5	0	86	274	10
150	13902	1	-58.2	20.3	1	81	273	21	150	13910	0	-58.0	18.0	0	80	270	20	150	13860	0	-55.5	21.6	0	80	268	16
200	12085	1	-55.6	13.6	1	80	270	29	200	12090	0	-55.9	11.4	1	73	268	25	200	12020	1	-54.2	14.3	2	72	263	20
300	9414	1	-39.2	12.2	1	77	268	24	300	9420	0	-38.9	12.6	0	75	270	21	300	9364	0	-41.2	12.3	1	64	266	17
500	5718	1	-12.9	15.2	0	79	268	14	500	5720	0	-12.9	17.2	0	74	269	12	500	5690	0	-14.2	16.5	0	64	277	10
700	3071	1	2.6	17.1	0	74	272	9	700	3072	0	2.4	12.5	0	63	275	7	700	3060	0	1.0	15.1	0	55	288	6
850	1478	1	10.1	10.3	0	53	260	5	850	1478	0	10.3	6.1	0	49	269	5	850	1473	0	9.6	8.5	0	45	291	4
1013	* 4		11.1	2.1					1008	* 9		13.7	2.0					990	* 173		12.8	1.4				
<b>N AMERICA - CANADA</b> ST. JOHN'S UA, NFLD 71801 JUN 2003 4737N 05245W OB 3									<b>N AMERICA - CANADA</b> SEPT-ILES UA, QUE. 71811 JUN 2003 5013N 06615W OB 3									<b>N AMERICA - CANADA</b> STEPHENVILLE UA, NFLD 71815 JUN 2003 4834N 05834W OB 3								
030	24115	2	-51.2	31.9	2	94	91	7	030	24163	0	-49.9	31.1	0	95	84	6	030	24115	0	-51.4	31.8	0	94	86	6
050	20825	1	-54.0	30.3	1	39	73	2	050	20842	0	-52.2	30.4	0	19	90	1	050	20817	0	-53.5	30.8	0	34	68	1
100	16400	0	-56.2	29.1	0	90	278	10	100	16385	0	-54.5	28.1	0	81	267	9	100	16384	0	-55.9	28.6	1	82	274	10
150	13816	0	-54.6	25.4	0	89	280	20	150	13781	0	-53.2	23.9	1	81	273	16	150	13795	0	-54.1	24.1	0	87	278	19
200	11974	0	-54.0	17.2	1	84	276	27	200	11928	0	-53.1	15.5	0	80	273	21	200	11953	0	-54.0	16.0	1	83	277	24
300	9317	0	-41.6	10.4	1	81	274	23	300	9291	0	-42.7	8.2	1	76	277	20	300	9298	0	-42.1	10.7	1	80	279	22
500	5652	0	-15.2	16.1	0	84	277	16	500	5626	0	-16.3	15.6	0	76	281	13	500	5638	0	-15.3	15.1	1	80	281	14
700	3032	0	-.6	13.7	0	72	282	10	700	3019	0	-1.5	9.5	0	67	283	8	700	3021	0	-.5	14.0	0	70	282	10
850	1458	0	6.4	8.5	0	59	287	7	850	1444	0	7.9	7.1	0	61	276	6	850	1446	0	7.0	7.5	0	60	269	7
996	* 140		11.5	5.2					1004	* 53		12.5	5.6					1009	* 60		13.0	6.5				

# UPPER AIR

# JUNE 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
<b>N AMERICA - CANADA</b> <b>GOOSE UA, NFLD.</b> 71816 JUN 2003 5318N 06022W OB 3								<b>N AMERICA - CANADA</b> <b>LA GRANDE IV, QUE.</b> 71823 JUN 2003 5345N 07340W OB 3								<b>N AMERICA - CANADA</b> <b>MOOSONEE, ONT.</b> 71836 JUN 2003 5116N 08039W OB 3										
030	24164	2	-49.2	29.8	1	95	87	6	030	24183	0	-48.5	32.2	9	88	95	6	030	24124	6	-50.3	30.7	5	91	79	5
050	20833	2	-51.3	29.6	1	43	90	2	050	20841	0	-50.4	31.2	9	14	162	1	050	20808	5	-52.1	30.0	5	27	24	1
100	16341	1	-52.1	28.5	1	71	275	7	100	16343	0	-52.2	28.5	9	81	259	8	100	16351	4	-53.6	27.8	4	85	286	9
150	13711	1	-50.8	27.1	0	79	279	14	150	13715	0	-50.8	24.2	9	81	265	14	150	13734	4	-51.7	23.7	5	87	283	14
200	11834	1	-51.0	19.6	1	79	281	19	200	11832	1	-50.7	17.7	9	82	262	19	200	11874	4	-52.9	14.7	4	84	284	18
300	9178	0	-44.5	8.4	0	74	283	20	300	9181	0	-44.3	8.4	9	71	264	21	300	9263	0	-43.7	10.4	2	71	284	16
500	5558	0	-18.3	13.1	0	73	280	13	500	5567	0	-18.7	10.4	80	275	16	500	5632	0	-17.2	14.7	0	80	295	13	
700	2967	0	-3.3	11.1	0	73	287	9	700	2980	0	-3.6	8.8	74	269	9	700	3027	0	-1.4	13.7	1	76	295	10	
850	1409	0	3.8	6.3	0	57	272	5	850	1425	0	3.5	6.1	57	263	5	850	1454	0	6.7	7.7	0	65	297	6	
1003	* 36		11.3	6.4					974	* 307		8.8	4.2					1012	* 10		10.2	5.8				
<b>N AMERICA - CANADA</b> <b>PICKLE LAKE, ONT.</b> 71845 JUN 2003 5127N 09012W OB 2								<b>N AMERICA - CANADA</b> <b>THE PASS UA, MAN</b> 71867 JUN 2003 5358N 10106W OB 3								<b>N AMERICA - CANADA</b> <b>KUUJUAQ, UA, QUE.</b> 71906 JUN 2003 5807N 06825W OB 3										
030	24142	0	-50.1	31.0	1	90	89	5	030	24165	0	-49.7	30.3	0	88	82	6	030	24248	2	-46.5	33.0	2	93	94	6
050	20826	0	-52.6	29.9	2	27	41	1	050	20843	0	-52.1	29.2	0	40	43	2	050	20874	2	-48.1	32.7	2	62	106	3
100	16381	0	-54.3	28.4	1	83	286	9	100	16369	0	-52.9	28.4	0	74	284	8	100	16320	1	-48.9	32.5	2	58	269	4
150	13769	0	-52.5	25.0	0	81	280	13	150	13745	0	-50.8	25.1	0	78	277	11	150	13649	1	-47.2	30.7	1	69	274	9
200	11912	0	-53.8	15.3	1	82	273	18	200	11876	0	-52.4	15.5	0	73	274	13	200	11740	1	-46.8	25.8	1	71	272	15
300	9279	0	-44.2	8.9	0	70	277	14	300	9243	0	-44.8	8.8	0	64	269	12	300	9058	1	-44.6	12.1	3	62	271	18
500	5647	0	-16.8	13.3	0	71	275	10	500	5626	0	-17.8	12.2	0	64	269	8	500	5476	1	-21.8	13.5	1	65	274	11
700	3041	0	-1.3	8.6	0	61	271	6	700	3027	0	-1.9	7.3	0	52	255	5	700	2923	1	-7.4	9.8	2	67	280	8
850	1463	0	8.7	7.6	0	34	277	3	850	1452	0	8.6	6.9	0	46	254	3	850	1392	1	-1.4	4.3	2	56	274	5
968	* 389		13.0	4.2					978	* 274		12.7	3.3					1004	* 60		6.9	5.7				
<b>N AMERICA - CANADA</b> <b>INUKJUAQ, QUE</b> 71907 JUN 2003 5827N 07807W OB 3								<b>N AMERICA - CANADA</b> <b>IQALUIT, N.W.T.</b> 71909 JUN 2003 6345N 06833W OB 3								<b>N AMERICA - CANADA</b> <b>CHURCHILL UA, MAN.</b> 71913 JUN 2003 5844N 09405W OB 3										
030	24230	0	-47.0	33.2	1	97	81	7	030	24275	0	-44.9	33.3	7	90	100	7	030	24217	1	-47.5	28.8	1	94	73	7
050	20860	0	-48.4	32.3	0	70	73	3	050	20876	0	-46.4	32.3	7	66	97	3	050	20858	0	-49.5	28.1	1	55	40	3
100	16312	0	-49.3	31.8	0	75	297	5	100	16284	0	-47.0	31.6	8	20	236	1	100	16326	1	-50.1	27.7	1	76	298	7
150	13647	0	-47.3	31.5	0	85	284	10	150	13589	0	-45.2	30.9	7	36	237	3	150	13672	1	-48.6	27.1	1	83	290	11
200	11743	0	-47.4	26.3	0	85	283	16	200	11664	0	-44.7	25.7	7	31	220	4	200	11782	1	-49.7	20.4	0	83	287	16
300	9069	0	-45.8	9.0	0	77	288	21	300	8974	0	-45.7	12.0	8	30	183	7	300	9138	1	-46.8	8.5	1	76	288	18
500	5489	0	-21.4	9.5	0	76	292	14	500	5418	0	-23.7	6.9	6	24	176	4	500	5556	1	-20.3	9.2	0	77	292	13
700	2932	0	-6.7	9.1	0	75	291	9	700	2879	0	-8.8	5.3	8	34	164	4	700	2980	1	-4.3	8.6	1	77	292	11
850	1394	0	.1	7.2	0	75	294	6	850	1354	0	-2.4	2.2	8	35	159	3	850	1425	0	3.3	5.3	0	65	293	7
1008	* 6		2.1	3.0					1003	* 34		2.9	1.6					1008	* 29		6.1	2.4				

# UPPER AIR

# JUNE 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
<b>N AMERICA - CANADA</b> CORAL HARBOUR UA, N.W.T. 71915 JUN 2003 6412N 08322W OB 3									<b>N AMERICA - CANADA</b> EUREKA UA, N.W.T. 71917 JUN 2003 7959N 08556W OB 3									<b>N AMERICA - CANADA</b> RESOLUTE UA, N.W.T. 71924 JUN 2003 7442N 09458W OB 3								
030	24280	1	-44.7	34.8	7	87	93	6	030	24415	0	-41.7	32.5	0	89	92	5	030	24381	1	-42.4	32.4	1	93	88	5
050	20881	1	-46.4	34.2	7	75	70	3	050	20959	0	-42.8	32.4	1	81	95	3	050	20938	0	-43.5	31.9	1	81	88	4
100	16286	1	-46.9	33.6	6	47	291	3	100	16295	0	-43.9	32.4	0	53	153	2	100	16288	0	-44.2	32.1	0	21	140	1
150	13589	1	-44.9	33.2	6	62	286	6	150	13572	0	-43.3	31.9	0	64	178	3	150	13566	0	-43.3	32.1	0	29	165	2
200	11662	1	-44.2	29.5	7	67	285	9	200	11637	0	-43.4	29.4	0	65	187	4	200	11625	0	-42.6	30.1	0	35	178	3
300	8956	1	-45.3	14.6	7	49	292	10	300	8943	0	-47.9	11.1	0	60	193	9	300	8917	0	-46.8	13.0	1	44	174	7
500	5412	1	-25.0	9.3	7	40	297	6	500	5426	0	-25.7	8.2	0	58	186	6	500	5399	0	-26.4	8.9	0	42	170	5
700	2886	1	-9.7	7.4	8	40	303	5	700	2910	0	-11.2	6.2	0	58	177	4	700	2890	0	-11.8	7.9	0	17	193	2
850	1364	1	-2.8	4.6	9	42	326	4	850	1398	0	-3.8	5.5	0	52	169	3	850	1384	0	-5.5	4.1	0	6	14	1
1001	* 57		1.6	2.7					1011	* 10		2.0	4.3					1004	* 40		-1.4	1.1				
<b>N AMERICA - CANADA</b> CAMBRIDGE BAY UA, N.W.T. 71925 JUN 2003 6908N 10504W OB 3									<b>N AMERICA - CANADA</b> BAKER LAKE UA, N.W.T. 71926 JUN 2003 6419N 09600W OB 3									<b>N AMERICA - CANADA</b> FORT SMITH UA, N.W.T. 71934 JUN 2003 6002N 11156W OB 3								
030	24319	1	-44.0	33.3	1	95	84	7	030	24272	2	-45.3	34.4	3	95	81	7	030	24231	3	-47.2	29.7	3	92	79	6
050	20904	1	-45.2	32.3	1	71	68	3	050	20879	2	-46.8	33.9	1	67	57	3	050	20870	3	-49.2	29.0	3	65	57	3
100	16283	1	-45.4	31.1	0	45	307	3	100	16293	2	-47.3	33.2	1	65	303	5	100	16336	3	-49.9	27.6	2	71	283	6
150	13574	1	-44.3	31.2	0	63	296	5	150	13604	2	-45.7	33.5	1	78	295	8	150	13679	3	-48.5	26.0	2	77	280	9
200	11641	1	-43.4	29.0	0	70	300	7	200	11683	2	-45.1	30.9	1	80	287	11	200	11787	3	-49.9	18.1	2	74	272	12
300	8942	0	-47.0	11.6	2	65	301	11	300	9005	2	-47.5	9.6	2	77	291	17	300	9151	3	-47.0	6.9	3	66	270	12
500	5424	0	-26.3	8.1	0	72	303	10	500	5459	2	-23.6	11.5	1	77	304	12	500	5568	3	-19.9	7.8	2	72	275	9
700	2910	0	-11.0	5.8	0	73	310	7	700	2920	2	-8.7	9.1	1	69	322	8	700	2992	3	-4.3	6.2	2	52	282	5
850	1399	0	-4.3	4.1	0	64	312	5	850	1400	2	-3.5	5.8	1	66	343	6	850	1434	3	5.4	5.7	2	32	311	2
1011	* 26		-5	1.1					1011	* 50		1.7	2.4					987	* 203		9.1	2.7				
<b>N AMERICA - CANADA</b> FORT NELSON UA, B.C. 71945 JUN 2003 5850N 12236W OB 3									<b>N AMERICA - CANADA</b> INUVIK UA, N.W.T. 71957 JUN 2003 6819N 13332W OB 3									<b>N AMERICA - CANADA</b> WHITEHORSE, UA, Y.T. 71964 JUN 2003 6042N 13504W OB 3								
030	24246	3	-47.7	32.2	8	93	88	6	030	24323	0	-44.3	33.3	0	92	89	7	030	24255	11	-46.9	33.9	9	96	90	7
050	20889	1	-49.8	30.7	7	50	65	2	050	20918	0	-45.9	32.7	0	72	88	3	050	20886	9	-48.9	31.4	7	74	110	3
100	16367	0	-50.2	30.6	6	69	267	5	100	16316	0	-47.1	31.4	0	40	297	2	100	16337	5	-49.1	31.8	4	65	229	4
150	13714	0	-49.0	28.9	6	74	267	8	150	13632	0	-47.0	30.9	0	69	290	5	150	13671	2	-48.2	31.8	3	71	242	6
200	11822	0	-50.2	19.3	7	75	266	12	200	11725	0	-47.1	25.6	1	75	299	6	200	11774	2	-48.7	23.7	2	64	246	7
300	9184	0	-46.3	8.0	6	63	250	11	300	9083	0	-49.3	6.8	2	65	289	10	300	9132	2	-47.6	6.4	2	43	242	8
500	5596	0	-20.1	9.3	5	57	264	6	500	5539	0	-22.8	12.9	0	61	294	6	500	5564	1	-21.8	9.9	1	37	219	3
700	3020	0	-4.0	4.9	4	59	279	5	700	2991	0	-6.8	7.8	0	66	287	6	700	3003	1	-5.4	4.9	1	40	223	3
850	1458	0	6.7	8.6	4	44	301	3	850	1447	0	2.8	7.4	0	49	288	3	850	1450	1	4.8	5.9	1	46	199	3
968	* 378		8.9	3.8					1006	* 103		5.2	3.9					931	* 704		6.1	5.0				

# UPPER AIR

# JUNE 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
<b>N AMERICA - JAMAICA</b> KINGSTON/NORMAN MANLEY 78397 JUN 2003 1756N 07647W OB 3									<b>N AMERICA - TRINIDAD AND TOBAGO</b> PIARCO INT. AIRPORT, TRINIDAD 78970 JUN 2003 1037N 06121W OB 2									<b>N AMERICA - CURACAO AND BONAIRE</b> HATO AIRPORT, CURACAO 78988 JUN 2003 1212N 06858W OB 3								
030									030	23941	0	-55.2		0	98	90	25	030	23935	16	-55.9					
050									050	20739	0	-63.3		0	95	95	12	050	20740	12	-63.5					
100									100	16613	0	-73.5		0	70	275	4	100	16630	10	-72.3					
150									150	14233	0	-68.3		0	90	285	11	150	14236	9	-66.4					
200									200	12449	0	-53.8		0	81	260	7	200	12451	5	-52.0					
300									300	9712	0	-31.2	9.1	0	30	170	2	300	9696	4	-31.4	8.3				
500									500	5895	0	-6.0	9.4	0	94	90	7	500	5880	3	-5.8	5.4				
700	3154	19	8.7	10.0					700	3183	0	9.2	10.4	0	67	85	9	700	3165	3	10.0	8.0				
850	1518	19	17.1	4.5					850	1545	0	17.4	4.3	0	97	95	11	850	1526	2	17.1	4.5				
1014	* 14		27.8	6.2					1013	* 15		26.8	2.4					1007	* 62		26.7					
<b>N AMERICA - COLOMBIA</b> SAN ANDRES (ISLA)/SESQUICENT 80001 JUN 2003 1235N 08143W OB 2									<b>S AMERICA - COLOMBIA</b> BOGOTA/ELDORADO 80222 JUN 2003 0442N 07408W OB 3									<b>S AMERICA - COLOMBIA</b> LAS GAVIOTAS 80241 JUN 2003 0433N 07055W OB 2								
030									030	23664	16	-60.9		9	91	80	16	030								
050									050	20548	12	-68.5		9	99	267	32	050	20565	12	-68.4		9	92	276	22
100	15710	3	-60.0		9	0	265	23	100	16571	6	-81.2		9	25	320	4	100	16579	7	-81.4		9	29	47	4
150	13417	3	-54.1		9	93	271	23	150	14224	3	-67.6		9	65	256	18	150	14226	7	-67.4		9	63	245	14
200	12458	27	-51.9		9	93	267	16	200	12434	2	-53.4		9	66	227	16	200	12436	7	-53.1		8	52	190	12
300	9670	15	-30.7	21.7	9	69	323	12	300	9690	2	-30.6	14.2	8	22	285	4	300	9687	7	-30.4	10.5	8	31	171	4
500	5876	6	-4.6	26.2	7	65	103	12	500	5860	1	-5.0	10.0	4	53	95	8	500	5856	7	-5.5	5.8	7	57	119	6
700	3153	4	10.3	20.6	7	36	81	4	700	3148	0	8.5	4.0	3	58	112	6	700	3139	7	9.0	3.5	7	84	79	8
850	1519	4	16.7	5.7	4	40	58	4	753	*2546		9.5	1.1					850	1489	7	18.7	3.9	7	65	53	8
1012	* 6		26.2	2.8														990	* 167		22.7	.5				
<b>S AMERICA - COLOMBIA</b> LETICIA/VASQUEZ COBO 80398 JUN 2003 0433S 06932W OB 2									<b>S AMERICA - BRAZIL</b> MANAUS (AEROPORTO) 82332 JUN 2003 0309S 05959W OB 2									<b>S AMERICA - BRAZIL</b> FORTALEZA 82397 JUN 2003 0346S 03836W OB								
030	23693	9	-62.1		9	86	98	16	030	23917	4	-55.8	25.3	7	98	92	26	030	23794	7	-57.0		7	96	92	25
050	20568	2	-68.4		8	57	287	8	050	20729	2	-64.8	19.4	2	20	64	2	050	20637	1	-66.3		1	15	16	2
100	16579	2	-81.7		8	46	217	8	100	16620	3	-76.6	11.6	3	65	261	6	100	16571	0	-78.1		0	13	323	1
150	14232	2	-67.9		8	24	5	4	150	14250	2	-67.3	12.9	2	79	288	8	150	14210	0	-68.2		0	85	271	9
200	12444	1	-53.3		8	73	95	12	200	12456	0	-53.2	14.9	1	18	304	2	200	12427	0	-54.3		0	53	287	4
300	9697	1	-30.4	7.1	7	72	104	10	300	9711	0	-30.8	16.4	1	45	101	3	300	9693	0	-31.4	28.3	0	82	52	7
500	5869	1	-5.6	4.4	7	34	66	4	500	5887	0	-5.8	9.3	0	93	91	7	500	5878	0	-5.8	19.5	0	94	97	8
700	3151	1	9.3	4.4	7	52	44	8	700	3173	0	8.2	2.8	0	93	90	7	700	3164	0	9.2	12.1	0	86	83	6
850	1510	1	18.5	5.0	7	66	56	8	850	1537	0	17.6	1.8	0	99	94	9	850	1531	0	16.3	4.6	0	98	131	25
1001	* 84		23.8	.6					1004	* 84		25.7	1.3					1011	* 26		26.5	4.6				

# UPPER AIR

# JUNE 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
<b>S AMERICA - BRAZIL</b> <b>NATAL (AEROPORTO)</b> 82599 JUN 2003 0555S 03515W OB 2									<b>S AMERICA - BRAZIL</b> <b>FLORIANO</b> 82678 JUN 2003 0646S 04301W OB 2									<b>S AMERICA - BRAZIL</b> <b>CAROLINA</b> 82765 JUN 2003 0720S 04728W OB 2											
030									030									030											
050									050	20651	7	-65.0			9	17	36	2	050	20671	12	-65.0							
100									100	16579	5	-77.2			8	53	286	4	100	16594	9	-76.9			9	71	284	5	
150									150	14216	2	-67.9			5	86	276	12	150	14227	7	-68.4			9	81	276	11	
200									200	12434	2	-54.4			4	80	279	10	200	12444	7	-54.3			9	67	281	8	
300									300	9704	1	-31.7	21.1		4	67	337	4	300	9716	5	-31.9	19.2		9	64	309	5	
500	5881	15	-5.3	29.3		9	80	103	6	500	5887	1	-5.5	22.2		3	75	103	5	500	5896	5	-5.3	22.4		9	78	91	4
700	3168	14	8.9	13.8						700	3169	1	9.3	12.7		2	75	90	5	700	3180	5	8.5	10.9		9	64	75	4
850	1536	14	16.1	6.8		9	99	132	9	850	1538	1	17.3	7.4		2	93	103	8	850	1548	5	18.3	8.4		9	94	100	8
1010	* 52		28.0	3.6						1001	* 123		26.7	7.3						993	* 192		24.4	3.1					
<b>S AMERICA - BRAZIL</b> <b>RECIFE (CURADO)</b> 82900 JUN 2003 0803S 03455W OB 2									<b>S AMERICA - BRAZIL</b> <b>VILHENA (AEROPORTO)</b> 83208 JUN 2003 1244S 06008W OB 2									<b>S AMERICA - BRAZIL</b> <b>SALVADOR</b> 83229 JUN 2003 1301S 03831W OB 2											
030	23818	3	-56.5			7	98	95	20	030	23824	3	-54.9			3	97	82	14	030									
050	20642	2	-65.5			5	12	326	1	050	20627	0	-62.6			0	15	161	1	050	20641	4	-63.1			4	21	133	2
100	16577	1	-77.7			4	67	283	5	100	16543	0	-76.3			0	70	279	7	100	16557	2	-76.2			2	96	284	12
150	14210	1	-68.1			4	89	272	13	150	14175	0	-68.5			0	84	267	11	150	14178	1	-67.9			1	94	280	18
200	12429	1	-54.7			4	88	274	11	200	12394	0	-54.5			0	76	255	13	200	12397	0	-55.1			0	97	277	19
300	9700	1	-31.7	23.2		4	44	312	4	300	9668	0	-32.3	33.0		1	47	231	5	300	9680	0	-32.9	26.3		0	90	285	13
500	5882	1	-5.2	21.9		5	71	108	5	500	5871	0	-6.5	31.2		1	25	43	2	500	5879	0	-5.5	35.3		0	8	160	1
700	3168	1	9.1	16.4		7	77	107	5	700	3160	0	9.1	21.7		1	40	9	2	700	3169	0	8.7	14.6		0	73	100	6
850	1536	1	15.6	4.6		7	96	127	8	850	1529	0	17.5	9.1		1	88	58	6	850	1545	0	14.5	6.3		0	93	120	7
1015	* 7		25.6	7.3						945	* 652		20.0	2.8						1011	* 51		25.1	3.1					
<b>S AMERICA - BRAZIL</b> <b>BOM JESUS DA LAPA</b> 83288 JUN 2003 1316S 04325W OB 2									<b>S AMERICA - BRAZIL</b> <b>CUIABA (AEROPORTO)</b> 83362 JUN 2003 1539S 05606W OB									<b>S AMERICA - BRAZIL</b> <b>BRASILIA (AEROPORTO)</b> 83378 JUN 2003 1552S 04756W OB 3											
030	23842	9	-56.5			9	96	80	13	030	23863	7	-55.7			9	85	75	9	030	23878	6	-56.0						
050	20648	1	-62.8			3	21	163	2	050	20649	6	-62.0			8	23	236	2	050	20668	5	-62.3						
100	16556	1	-76.6			2	96	276	12	100	16548	4	-75.9			7	77	260	10	100	16558	5	-75.7						
150	14177	1	-67.7			1	94	274	16	150	14172	4	-68.2			6	85	261	15	150	14172	5	-67.1						
200	12397	1	-55.1			1	91	276	16	200	12390	4	-54.9			6	81	262	13	200	12389	5	-55.0						
300	9680	2	-33.1	22.2		1	93	286	13	300	9674	4	-33.6	32.4		6	52	242	6	300	9679	3	-33.9	21.6					
500	5884	1	-6.1	30.3		2	25	179	2	500	5889	4	-6.7	38.0		6	29	85	3	500	5894	2	-6.9	29.6					
700	3174	1	8.3	21.0		1	67	87	5	700	3179	4	9.7	32.8		8	67	44	4	700	3184	2	9.6	30.8					
850	1548	1	16.5	10.5		1	89	108	6	850	1551	4	17.6	10.8		8	85	39	5	850	1556	2	16.9	10.4					
967	* 440		22.4	4.3						995	* 182		20.0	2.5						900	*1061		16.2	4.7					

# UPPER AIR

# JUNE 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	hPa
S AMERICA - BRAZIL CARAVELAS 83498 JUN 2003 1744S 03915W OB 2														S AMERICA - BRAZIL CAMPO GRANDE (AEROPORTO) 83612 JUN 2003 2028S 05440W OB 2														S AMERICA - BRAZIL TRINDADE (ILHA) 83650 JUN 2003 2030S 02919W OB 2													
030									030									030																							
050	20650	8	-62.2		8	36	111	2	050									050	20648	7	-62.1		9	33	63	2															
100	16536	4	-75.1		4	97	276	15	100	16581	3	-74.7						100	16508	5	-73.1		7	94	280	18															
150	14143	3	-67.0		3	95	277	19	150	14166	2	-64.8						150	14098	5	-65.4		6	86	272	25															
200	12360	3	-55.5		3	95	275	21	200	12360	2	-53.5						200	12319	4	-56.5		6	91	274	26															
300	9656	3	-34.9	27.2	3	88	272	15	300	9640	2	-34.9	19.7					300	9626	1	-36.2	27.4	4	91	271	20															
500	5884	3	-7.4	37.0	5	50	214	4	500	5868	2	-7.9	24.9					500	5876	1	-8.8	35.4	3	83	266	8															
700	3182	3	9.1	32.3	6	50	124	3	700	3157	2	9.4	18.9					700	3185	1	7.8	32.6	3	36	217	2															
850	1562	3	13.5	8.2	6	72	128	4	850	1528	2	17.0	8.9					850	1568	1	13.1	9.8	2	35	79	2															
1019	* 3		23.7	2.8					951	* 567		21.4	9.8					1020	* 5		26.1	6.5																			
S AMERICA - BRAZIL GALEAO 83746 JUN 2003 2249S 04315W OB 2														S AMERICA - BRAZIL CURITIBA (AEROPORTO) 83840 JUN 2003 2531S 04910W OB 2														S AMERICA - BRAZIL PORTO ALEGRE (AERO- PORTO) 83971 JUN 2003 3000S 05111W OB 2													
030	23995	9	-52.5	27.2	9	50	308	3	030	23943	8	-52.5	27.2	8	92	296	6	030	23890	6	-53.5	26.6	9	97	284	15															
050	20727	3	-59.2	23.7	4	70	308	4	050	20687	3	-58.9	23.3	4	94	287	8	050	20647	3	-59.2	24.6	3	88	282	11															
100	16540	3	-72.6	15.8	3	95	267	19	100	16494	2	-70.9	16.0	2	95	260	19	100	16421	2	-67.2	20.8	2	94	263	23															
150	14116	3	-65.0	15.8	3	98	267	26	150	14061	2	-65.0	15.3	2	90	259	29	150	13950	2	-63.3	18.5	2	93	257	36															
200	12325	3	-55.2	16.9	3	90	264	24	200	12274	1	-56.5	14.9	2	86	259	28	200	12160	2	-57.5	16.3	2	90	263	40															
300	9626	3	-36.2	21.1	2	88	259	18	300	9590	1	-37.4	16.4	1	84	264	21	300	9496	1	-39.2	18.0	1	90	266	31															
500	5877	1	-8.8	25.4	1	84	251	11	500	5853	1	-9.7	21.6	1	85	268	14	500	5792	1	-11.6	24.3	1	93	261	21															
700	3184	1	8.0	22.7	1	80	253	6	700	3168	1	6.8	17.4	1	82	282	9	700	3133	2	3.8	17.8	2	83	267	10															
850	1561	1	15.3	8.2	2	54	288	3	850	1551	1	13.1	4.0	1	60	304	5	850	1531	2	11.8	11.4	2	62	281	6															
1018	* 6		21.8	3.2					917	* 908		13.9	.7					1018	* 3		15.5	1.3																			
S AMERICA - PERU LIMA-CALLAO/AEROP. INTERNACI 84628 JUN 2003 1200S 07707W OB 2														S AMERICA - CHILE ANTOFAGASTA 85442 JUN 2003 2326S 07027W OB 2														S AMERICA - CHILE ISLA DE PASCUA 85469 JUN 2003 2710S 10926W OB 1													
030	23937	14	-54.6		8	98	86	17	030	23845	1	-52.7	32.9	4	39	281	3	030																							
050	20709	10	-60.9		8	36	239	2	050	20616	1	-62.0	30.1	5	70	255	5	050	20615	3	-61.7	29.6																			
100	16596	7	-76.4		8	51	246	5	100	16497	1	-74.7		5	92	260	15	100	16414	2	-69.3		2	97	268	20															
150	14189	6	-67.0		6	80	245	10	150	14099	1	-67.0	20.3					150	13964	2	-63.9	19.8	3	95	262	39															
200	12381	6	-53.2		6	82	301	10	200	12317	1	-55.5	21.7					200	12172	2	-56.6	16.1	3	91	258	39															
300	9666	6	-30.8	29.0	6	78	261	8	300	9616	0	-35.6	26.8	3	83	263	20	300	9492	1	-37.1	15.3	1	91	261	35															
500	5869	5	-6.3	24.5	6	52	83	3	500	5857	0	-7.8	33.8	1	71	265	9	500	5759	1	-11.2	17.6	1	93	263	24															
700	3147	5	11.1	25.4	5	13	164	1	700	3148	0	11.1		0	30	289	2	700	3106	1	2.7	21.0	1	87	262	13															
850	1506	5	17.5	19.7	5	46	346	2	850	1505	0	18.7	33.1	0	42	55	2	850	1516	1	8.3	3.5	1	73	255	7															
1013	* 13		15.3	1.7					1003	* 140		13.3	3.2					1012	* 69		19.5	6.1																			



# UPPER AIR

# JUNE 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
<b>S AMERICA - CHILE</b> PUNTA ARENAS 85934 JUN 2003 5300S 07051W OB 2									<b>S AMERICA - ARGENTINA</b> CORDOBA AERO 87344 JUN 2003 3119S 06413W OB /									<b>S AMERICA - ARGENTINA</b> EZEIZA AERO 87576 JUN 2003 3449S 05832W OB 3									
030									030	23760	3	-53.0	34.3	3	96	270	16	030	23716	10	-56.9			9	98	270	20
050	19972								050	20552	0	-61.5	29.3	0	86	270	9	050	20526	4	-61.8			6	97	270	13
100	15647	3	-58.1	28.7					100	16365	0	-64.0	27.7	0	98	265	28	100	16307	1	-64.2			6	97	260	29
150	13075	3	-55.9	27.2					150	13910	0	-63.1	20.9	0	92	265	35	150	13778	0	-61.5			6	96	260	43
200	11254	2	-57.8	20.8	4	91	268	24	200	12118	0	-53.5	14.7	0	94	260	40	200	11993	0	-57.7			6	93	260	45
300	8699	1	-55.1	14.5	3	81	266	20	300	9469	0	-40.5	14.8	0	91	260	30	300	9360	0	-42.7	13.4		7	94	265	38
500	5281	1	-31.0	11.5	1	77	262	13	500	5779	0	-11.9	21.2	1	94	270	18	500	5711	0	-15.7	17.0		8	94	270	24
700	2789	1	-13.3	11.1	2	67	254	10	700	3107	0	7.0	23.2	3	75	280	8	700	3086	0	1.5	19.7		6	85	280	12
850	1292	1	-4.1	7.5	2	37	261	5	850	1496	0	11.9	13.3	2	50	345	4	850	1503	0	9.4	21.4		8	48	300	5
995	* 43		1.0	3.8					960	* 474		9.2	2.7					1016	* 20		8.8	1.5					
<b>S AMERICA - ARGENTINA</b> SANTA ROSA AERO 87623 JUN 2003 3634S 06416W OB /									<b>S AMERICA - UK FALKLAND ISLANDS</b> MOUNT PLEASANT AIRPORT 88889 JUN 2003 5149S 05827W OB									<b>ANTARCTICA - UNITED KINGDOM (ANTARCTIC)</b> HALLEY 89022 JUN 2003 7530S 02639W OB 2									
030	23689	5	-58.4		9	90	271	20	030	23184	0	-56.3		0	98	268	43	030	21513	4	-87.0	9.3	5	94	257	20	
050	20490	2	-61.5		4	95	262	22	050	20045	0	-54.3		0	98	269	36	050	18713	2	-84.2	9.7	3	93	249	15	
100	16236	0	-63.2		4	99	265	34	100	15710	0	-49.2		0	97	267	29	100	14807	0	-76.0	10.4	1	90	245	11	
150	13727	0	-59.8		2	98	266	41	150	13132	0	-47.5		0	95	268	25	150	12433	0	-70.7	10.1	2	86	232	10	
200	11925	0	-57.7		0	94	261	44	200	11300	0	-48.7		0	91	269	24	200	10721	0	-69.4	8.6	1	78	235	10	
300	9304	0	-44.0	9.6	0	96	264	41	300	8730	0	-53.5		0	82	267	22	300	8272	0	-62.3	7.9	0	65	233	11	
500	5661	0	-17.0	11.0	0	96	269	26	500	5285	0	-30.1	10.4	0	82	262	16	500	4965	0	-40.0	9.1	0	45	227	7	
700	3063	0	.4	15.9	0	82	278	12	700	2802	0	-12.6	10.3	0	75	257	11	700	2590	0	-25.0	10.7	0	5	254	1	
850	1483	0	8.1	15.0	0	47	289	5	850	1294	0	-3.9	4.2	0	64	256	8	850	1165	0	-21.3	8.8	0	39	65	3	
993	* 191		5.0	2.5					990	* 73		1.9	1.1					992	* 30		-32.9	3.6					
<b>ANTARCTICA - USSR (ANTARCTIC)</b> MIRNYJ 89592 JUN 2003 6633S 09301E OB 1									<b>ANTARCTICA - GERMANY (ANTARCTIC)</b> NEUMAYER 89002 JUN 2003 7040S 00815W OB 2									<b>ANTARCTICA - JAPAN (ANTARCTIC)</b> SYOWA 89532 JUN 2003 6900S 03935E OB 1									
030									030	21657	4	-83.7	9.4	9	97	265	28	030	21787	0	-82.2			2	94	279	35
050	19371	15	-72.4	4.2	9	96	271	32	050	18815	3	-81.6	10.2	6	96	263	22	050	18914	0	-79.2			0	93	278	27
100	15244	5	-66.2	4.0	7	95	271	26	100	14866	2	-73.9	13.6	3	93	258	14	100	14916	0	-72.4			0	88	281	16
150	12780	3	-62.2	4.0	3	90	275	21	150	12468	2	-68.6	15.2	3	82	251	11	150	12502	0	-67.3			0	80	283	11
200	11009	2	-62.0	3.9	2	90	276	22	200	10738	2	-67.3	11.2	3	68	243	10	200	10759	0	-65.3			0	64	289	8
300	8483	2	-55.9	4.0	2	74	286	16	300	8274	2	-61.4	9.0	3	49	230	9	300	8282	0	-61.2			0	27	307	4
500	5082	1	-34.8	4.5	0	46	283	6	500	4961	2	-40.4	12.4	3	30	213	5	500	4976	0	-40.9			0	29	20	3
700	2665	0	-21.6	5.8	0	23	61	2	700	2592	2	-25.5	10.8	3	15	134	2	700	2607	0	-24.4	5.8		0	51	36	4
850	1220	0	-18.3	5.1	0	89	84	12	850	1167	2	-19.5	8.2	3	50	87	6	850	1171	0	-17.3	3.2	0	91	40	9	
993	* 30		-16.1	3.4					989	* 50		-22.3	3.3					989	* 21		-12.3	4.4					

# UPPER AIR

## JUNE 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	%	°
ANTARCTICA - AUSTRALIA (ANTARCTIC) MAWSON 89564 JUN 2003 6736S 06252E OB 3									ANTARCTICA - AUSTRALIA (ANTARCTIC) DAVIS 89571 JUN 2003 6835N 07758W OB 3									ANTARCTICA - AUSTRALIA (ANTARCTIC) CASEY 89611 JUN 2003 6617S 11031E OB 3														
030	21936	6	-80.8		7	97	278	40	030	21913	6	-81.4		6	96	278	40	030														
050	19047	5	-77.5		6	96	279	33	050	19020	5	-78.5		5	96	279	33	050														
100	15012	4	-70.4	20.9	5	94	284	23	100	15016	4	-71.2	18.3	4	94	280	22	100	15067	4	-67.8	20.1	8	94	266	28						
150	12578	4	-65.9	20.8	5	92	288	18	150	12588	4	-66.3	18.2	4	91	280	18	150	12637	2	-64.0	18.2	5	89	260	25						
200	10822	3	-64.9	16.6	5	90	294	18	200	10839	4	-65.3	14.5	4	82	280	15	200	10846	2	-63.4	14.6	6	84	258	25						
300	8327	3	-59.4	11.9	5	80	284	14	300	8349	4	-59.8	11.0	4	59	295	11	300	8313	2	-57.2	11.8	4	73	256	23						
500	4998	3	-40.3	9.2	5	49	288	6	500	5016	4	-40.0	8.9	5	34	321	5	500	4968	2	-34.9	11.6	3	51	254	10						
700	2626	3	-24.9	7.5	5	0	143	0	700	2641	4	-24.1	7.5	5	37	22	3	700	2594	2	-22.5	10.7	2	19	207	2						
850	1204	3	-21.1	6.8	5	86	96	8	850	1208	4	-18.7	6.1	5	79	41	7	850	1192	2	-16.3	10.8	2	44	84	4						
9999	* 16								9999	* 13								9999	* 42													
ANTARCTICA - FRANCE (ANTARCTIC) DUMONT D'URVILLE 89642 JUN 2003 6640S 14001E OB 1									SW PACIFIC - MALAYSIA (PENIN. MALAYSIA) PENANG/BAYAN LEPAS 48601 JUN 2003 0518N 10016E OB 3									SW PACIFIC - MALAYSIA (PENIN. MALAYSIA) KOTA BHARU 48615 JUN 2003 0610N 10217E OB 3														
030									030	23800	14	-56.6	30.6	9	0	91	31	030	23805	1	-56.7	31.5	1	0	89	30						
050									050	20640	6	-66.1	22.7	7	80	86	7	050	20644	1	-66.4	23.7	1	88	86	9						
100	15078	1	-67.8		5	92	272	24	100	16584	1	-80.3	12.9	2	97	80	22	100	16588	1	-80.6	14.7	1	97	77	22						
150	12612	2	-63.6		4	92	265	18	150	14233	1	-67.4	11.5	2	98	73	27	150	14238	1	-67.2	13.3	1	98	74	25						
200	10841	1	-62.7		3	88	266	15	200	12441	1	-53.0	10.1	2	96	75	18	200	12445	1	-52.9	12.3	1	94	76	16						
300	8339	1	-59.2		3	65	264	12	300	9692	1	-30.2	11.1	2	94	79	10	300	9696	1	-30.2	13.8	1	93	83	9						
500	4989	1	-38.1		3	38	252	5	500	5861	1	-5.3	9.2	1	45	101	2	500	5864	1	-5.0	13.4	1	50	112	3						
700	2702	1	-23.7	13.1	3	35	146	3	700	3141	1	9.9	7.9	1	49	287	2	700	3144	1	10.0	8.1	1	56	279	3						
850	1174	1	-22.4	10.2	4	89	118	9	850	1499	1	18.7	6.4	1	36	241	1	850	1502	1	18.9	6.1	1	76	259	3						
989	* 43		-17.5	7.6					9999	* 4								9999	* 5													
SW PACIFIC - SINGAPORE SINGAPORE/CHANGI AIRPORT 48698 JUN 2003 0122N 10359E OB 3									SW PACIFIC - USA (PACIFIC OCEAN NORTH) HILO/GEN. LYMAN, HAWAII, 91285 JUN 2003 1943N 15504W OB 2									SW PACIFIC - NEW CALEDONIA NOUMEA (NLE-CALEDONIE) 91592 JUN 2003 2216S 16627E OB /														
030	23769	1	-57.2	30.4	1	98	90	29	030	23905	0	-54.4	11.9	0	99	89	19	030	23857	2	-53.8											
050	20623	1	-67.3	23.1	1	22	259	2	050	20693	0	-62.8	9.9	0	99	89	14	050	20635	2	-63.0		9	33	272	2						
100	16563	0	-79.9	12.3	0	66	71	9	100	16556	0	-73.8	7.9	0	78	250	5	100	16538	2	-76.3											
150	14210	0	-67.4	12.0	0	97	70	20	150	14153	0	-65.9	9.3	0	92	263	19	150	14150	1	-66.1											
200	12420	0	-53.3	11.1	0	94	77	15	200	12363	0	-54.8	11.2	0	90	262	19	200	12354	0	-53.5		1	94	275	34						
300	9680	0	-30.9	11.1	0	86	76	7	300	9649	0	-33.9	17.7	0	83	268	11	300	9625	0	-32.8	20.5	0	92	270	30						
500	5853	0	-5.2	10.6	0	66	89	5	500	5865	0	-6.5	26.7	0	37	262	2	500	5843	0	-8.1	24.1	1	88	273	15						
700	3136	0	9.5	7.7	0	26	35	1	700	3156	0	8.8	27.7	1	54	71	3	700	3153	0	7.1	24.5	3	44	268	4						
850	1496	0	18.6	6.3	0	57	174	3	850	1536	0	13.2	2.6	0	77	68	3	850	1539	0	12.3	5.6	1	43	69	3						
1007	* 16		28.7	3.8					1015	* 11		21.4	3.1					1011	* 72		23.3	5.7										

# UPPER AIR

# JUNE 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
<b>SW PACIFIC - TUVALU (NEW ZEALAND)</b> <b>FUNAFUTI</b> <b>91643 JUN 2003 0831S 17913E OB 3</b>									<b>SW PACIFIC - FIJI</b> <b>NANDI</b> <b>91680 JUN 2003 1745S 17727E OB 3</b>									<b>SW PACIFIC - SAMOA (USA)</b> <b>PAGO PAGO/INT. AIRPORT</b> <b>91765 JUN 2003 1420S 17043W OB 2</b>								
030	23860	1	-56.2						030	23951	10	-53.1						030	23851	1	-54.6	20.0	1	96	91	11
050	20670	0	-63.6						050	20709	2	-61.0				4		050	20642	1	-62.8	11.9	1	35	75	2
100	16610	0	-76.4						100	16616	0	-76.8	12.3	4	79	252	14	100	16574	1	-78.8	6.6	1	62	236	7
150	14250	1	-67.3						150	14236	0	-66.6	12.6	4	84	259	22	150	14214	1	-67.9	7.8	1	72	239	12
200	12460	0	-53.1						200	12442	0	-53.1	13.0	3	84	271	19	200	12427	1	-53.7	10.0	1	70	274	12
300	9708	0	-30.9	43.3					300	9700	0	-31.0	17.3	2	90	261	16	300	9691	1	-31.3	15.6	1	68	245	8
500	5889	0	-5.0	15.6					500	5877	0	-5.8	25.2	2	80	268	8	500	5876	1	-5.9	15.0	1	65	275	5
700	3161	0	10.2	1.3					700	3160	0	9.9	26.0	1	26	254	2	700	3157	1	10.2	13.1	1	28	287	2
850	1519	0	18.2	13.1					850	1528	0	15.9	8.7	1	53	99	3	850	1517	1	16.3	2.9	1	73	112	5
1011	* 2		29.7	25.4					1013	* 25		27.3	8.1					1012	* 3		26.1	3.7				
<b>SW PACIFIC - FRENCH POLY. (MARQUESAS)</b> <b>ATUONA</b> <b>91925 JUN 2003 0948S 13902W OB 3</b>									<b>SW PACIFIC - FRENCH POLY. (SOCIETY IS)</b> <b>TAHITI-FAAA</b> <b>91938 JUN 2003 1733S 14937W OB 2</b>									<b>SW PACIFIC - FRENCH POLY. (TUAMOTU IS)</b> <b>RIKITEA</b> <b>91948 JUN 2003 2308S 13458W OB</b>								
030	23790	5	-56.2		9	97	88	18	030	23848	5	-54.7						030	23831	9	-53.5		9	78	277	9
050	20609	2	-64.3		4	18	90	1	050	20631	0	-62.4		6	31	355	2	050	20610	8	-62.1		9	73	266	6
100	16555	2	-79.3		2	37	290	4	100	16536	0	-77.2		0	90	275	14	100	16480	7	-74.0		7	86	267	16
150	14203	2	-67.5		2	67	273	7	150	14162	0	-67.7		0	91	274	22	150	14086	7	-66.8		7	92	272	29
200	12416	2	-53.4		2	57	261	6	200	12379	0	-54.4		0	91	273	21	200	12306	7	-55.4		7	91	269	30
300	9679	2	-31.6	25.1	2	16	232	2	300	9654	0	-32.8	15.9	0	85	275	17	300	9599	7	-34.8	12.9	7	85	269	23
500	5864	2	-5.1	28.9	2	63	93	5	500	5859	0	-6.6	16.3	0	85	284	11	500	5830	7	-8.1	17.7	7	85	270	15
700	3142	2	11.0	23.4	2	70	98	4	700	3147	0	9.2	12.0	0	61	290	6	700	3135	7	7.3	15.4	7	56	286	5
850	1504	2	16.3	3.1	2	92	89	6	850	1512	0	16.5	5.4	0	50	350	3	850	1515	7	14.3	6.6	7	18	36	2
1005	* 52		29.3	6.7					1012	* 2		28.2	6.1					1004	* 89		22.6	3.4				
<b>SW PACIFIC - FRENCH POLY. (AUSTRAL IS)</b> <b>TUBUAI</b> <b>91954 JUN 2003 2321S 14929W OB</b>									<b>SW PACIFIC - FRENCH POLY. (AUSTRAL IS)</b> <b>RAPA</b> <b>91958 JUN 2003 2737S 14420W OB 3</b>									<b>SW PACIFIC - NEW ZEALAND</b> <b>WHENUAPAI</b> <b>93112 JUN 2003 3678S 17463E OB 1</b>								
030	23831	3	-54.2		3	94	281	9	030									030	23801	3	-55.5		5	79	269	9
050	20612	1	-62.0		1	75	287	6	050									050	20572	1	-59.6		3	86	270	10
100	16462	0	-72.5		0	95	277	21	100									100	16260	0	-60.4		2	97	269	23
150	14043	0	-65.1		0	96	278	37	150									150	13714	0	-57.0		2	97	269	32
200	12253	0	-55.1		0	90	279	38	200									200	11883	0	-55.0		2	95	270	35
300	9549	0	-35.4	12.9	0	90	285	33	300	9463	6	-37.5		7	90	286	39	300	9256	0	-45.6		1	86	276	22
500	5797	0	-9.5	18.0	0	89	284	21	500	5742	1	-12.6	17.6	3	91	281	21	500	5659	0	-19.4	15.2	1	81	281	12
700	3116	0	6.2	22.5	0	78	286	11	700	3095	1	2.4	19.4	2	83	285	10	700	3070	0	-2.1	19.1	1	66	282	9
850	1505	0	12.2	5.8	1	33	315	3	850	1502	1	9.2	6.4	2	25	274	3	850	1503	0	5.0	7.9	1	53	280	6
1014	* 3		23.0	5.0					1016	* 2		20.4	6.0					1015	* 27		14.4	3.3				

# 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
<b>SW PACIFIC - NEW ZEALAND PARAPARAUMU AERODROME 93417 JUN 2003 4054S 17459E OB 1</b>									<b>SW PACIFIC - NEW ZEALAND INVERCARGILL AERODROME 93844 JUN 2003 4625S 16819W OB 1</b>									<b>SW PACIFIC - NEW ZEALAND CHATHAM ISLAND 93986 JUN 2003 4357S 17634W OB 1</b>									
030									030									030	23661	6	-58.6			7	94	267	19
050	20499	8	-59.0		8	97	274	14	050								050	20442	5	-59.1			5	95	273	16	
100	16151	0	-59.4		1	95	272	20	100	16004	1	-56.4		0	97	277	25	100	16085	0	-57.2			0	93	269	20
150	13581	0	-55.8		1	95	273	29	150	13418	1	-54.8		0	94	279	26	150	13512	0	-56.0			0	91	270	21
200	11758	0	-57.2		1	90	276	27	200	11592	1	-58.6		0	86	281	25	200	11692	0	-59.2			0	82	273	21
300	9165	0	-48.3		1	76	275	19	300	9014	0	-50.8		0	78	284	23	300	9121	0	-49.6			0	64	279	17
500	5601	0	-21.0	20.4	1	78	275	13	500	5492	0	-23.9	14.9	0	81	281	16	500	5574	0	-22.1	18.3	0	60	279	12	
700	3027	0	-3.5	20.4	0	65	284	11	700	2949	0	-7.1	12.5	0	85	278	14	700	3010	0	-4.8	19.3	0	58	286	9	
850	1470	0	4.0	9.3	0	60	305	8	850	1411	0	.9	5.3	1	80	283	10	850	1459	0	2.8	10.1	0	51	296	7	
1015	* 12		13.3	4.4					1010	* 4		7.7	3.6					1010	* 48		11.1	3.2					
<b>SW PACIFIC - NEW ZEALAND KERMADEC IS. 93997 JUN 2003 2915S 17755W OB 1</b>									<b>SW PACIFIC - AUSTRALIA DARWIN AIRPORT 94120 JUN 2003 1225S 13053E OB /</b>									<b>SW PACIFIC - AUSTRALIA GOVE AIRPORT 94150 JUN 2003 1217S 13649E OB /</b>									
030	23840	6	-55.2						030	23840	2	-56.9	31.5	2	99	89	16	030	23840	2	-57.0	31.7	2	99	89	16	
050	20622	1	-61.9		6	67	259	7	050	20642	1	-61.8	28.9	2	34	92	2	050	20647	0	-62.0	29.5	0	45	81	3	
100	16414	0	-67.4		7	97	262	24	100	16579	1	-80.7	14.3	1	16	207	2	100	16583	0	-80.9	13.3	0	37	228	4	
150	13934	0	-60.5		5	96	261	40	150	14225	1	-67.1	15.6	1	46	243	6	150	14228	0	-67.2	14.5	0	41	231	5	
200	12112	0	-52.7		4	95	261	45	200	12435	1	-53.3	18.4	1	26	263	4	200	12436	0	-53.4	16.5	0	25	271	4	
300	9420	0	-39.5		2	90	261	32	300	9696	1	-31.2	25.5	1	53	285	5	300	9698	0	-31.1	23.0	0	32	268	3	
500	5751	0	-15.5	24.3	3	86	261	14	500	5877	1	-5.8	28.4	1	27	267	2	500	5876	0	-5.4	25.8	0	19	221	2	
700	3130	0	.9	22.7	4	75	237	7	700	3164	1	9.4	18.8	1	50	108	3	700	3161	0	9.7	17.8	0	59	108	4	
850	1546	0	7.0	5.7	8	38	224	3	850	1531	1	16.4	12.1	1	91	105	8	850	1530	0	16.3	11.4	0	95	108	9	
1016	* 49		19.3	6.6					9999	* 31								9999	* 54								
<b>SW PACIFIC - AUSTRALIA BROOME AIRPORT 94203 JUN 2003 1757S 12214E OB /</b>									<b>SW PACIFIC - AUSTRALIA TOWNSVILLE AERO 94294 JUN 2003 1915S 14645E OB /</b>									<b>SW PACIFIC - AUSTRALIA WILLIS ISLAND 94299 JUN 2003 1618S 14959E OB /</b>									
030	23847	0	-55.7	32.1	0	89	88	7	030	23889	1	-53.8	32.3	4	62	63	4	030	23883	0	-54.7	32.4	2	92	81	9	
050	20630	0	-61.6	29.6	0	24	261	1	050	20657	1	-61.1	30.2	4	17	327	1	050	20660	0	-61.2	30.1	2	29	107	2	
100	16555	0	-78.7	14.9	0	88	268	14	100	16557	1	-77.0	17.7	4	82	275	11	100	16576	0	-78.7	16.2	1	58	282	7	
150	14184	0	-66.0	16.4	0	90	269	22	150	14180	0	-66.1	19.7	3	87	270	22	150	14210	0	-67.3	17.3	1	67	271	12	
200	12388	0	-53.0	19.1	0	86	270	25	200	12384	0	-53.2	21.6	2	86	273	24	200	12420	0	-53.6	20.1	1	71	275	13	
300	9647	0	-31.1	28.3	0	91	279	25	300	9648	0	-32.1	26.1	2	90	273	24	300	9684	0	-31.5	24.8	1	77	272	13	
500	5850	0	-7.4	26.5	1	94	269	14	500	5857	0	-7.3	28.3	1	86	277	12	500	5873	0	-6.1	27.0	1	58	280	6	
700	3159	0	7.2	18.0	1	59	270	4	700	3160	0	7.7	22.9	1	59	267	4	700	3163	0	9.9	24.5	0	0	220	0	
850	1538	0	16.0	15.0	1	32	74	2	850	1543	0	13.3	10.1	1	56	83	4	850	1534	0	14.8	7.3	0	69	108	6	
9999	* 7								9999	* 9								9999	* 6								

# UPPER AIR

# JUNE 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
<b>SW PACIFIC - AUSTRALIA</b> <b>PORT HEDLAND PARDOO</b> 94312 JUN 2003 2022S 11838E OB /									<b>SW PACIFIC - AUSTRALIA</b> <b>ALICE SPRINGS AERO</b> 94326 JUN 2003 2348S 13353E OB /									<b>SW PACIFIC - AUSTRALIA</b> <b>MT ISA AERO</b> 94332 JUN 2003 2041S 13929E OB /								
030	23849	4	-54.7	32.2	6	37	73	2	030	23877	7	-54.3	32.5	7	44	342	3	030	23859	3	-54.6	32.3	3	44	67	2
050	20626	4	-61.6	29.5	5	41	247	2	050	20642	2	-60.8	30.4	1	77	272	5	050	20638	3	-61.6	29.6	3	20	313	1
100	16534	2	-76.7	18.1	6	93	273	18	100	16494	1	-73.2	21.9	1	94	273	26	100	16539	2	-77.0	17.1	3	88	272	16
150	14144	0	-64.5	20.3	4	96	270	29	150	14081	1	-64.0	23.0	1	95	270	41	150	14161	2	-65.9	18.7	3	93	268	27
200	12339	0	-52.4	22.6	1	93	273	35	200	12272	1	-52.2	24.8	1	92	269	45	200	12364	2	-53.1	21.3	2	88	264	30
300	9601	0	-32.8	24.5	0	96	275	32	300	9538	0	-33.6	26.0	0	95	274	42	300	9627	2	-31.8	27.4	2	93	273	31
500	5826	0	-9.0	23.4	1	96	273	19	500	5795	0	-11.2	21.8	0	95	272	22	500	5843	2	-8.4	24.8	2	91	271	16
700	3150	0	5.8	18.6	1	82	278	8	700	3140	0	3.5	27.1	2	87	262	7	700	3159	2	6.1	26.2	2	72	267	5
850	1538	0	14.6	16.7	1	31	7	2	850	1546	0	9.5	17.8	1	30	171	2	850	1546	2	14.0	21.0	2	8	152	1
9999	* 9								9999	* 546								9999	* 340							
<b>SW PACIFIC - AUSTRALIA</b> <b>GERALDTON AIRPORT</b> 94403 JUN 2003 2848S 11442E OB /									<b>SW PACIFIC - AUSTRALIA</b> <b>MEEKATHARRA AIRPORT</b> 94430 JUN 2003 2637S 11833E OB 2									<b>SW PACIFIC - AUSTRALIA</b> <b>GILES</b> 94461 JUN 2003 2502S 12817E OB /								
030									030	23830	1	-53.3	30.4	3	88	275	8	030	23866	0	-53.4	32.8	1	70	299	5
050	20592	5	-61.7	30.1	7	94	264	9	050	20607	1	-61.6	27.0	3	93	264	8	050	20630	0	-61.0	30.3	1	86	266	6
100	16379	5	-67.6	26.3	3	98	270	30	100	16423	0	-69.9	22.3	3	98	272	32	100	16463	0	-72.0	21.7	0	95	272	29
150	13901	5	-60.2	26.3	1	98	268	47	150	13973	0	-61.9	23.1	1	97	268	47	150	14038	0	-63.3	22.5	0	95	270	45
200	12079	5	-53.2	24.4	1	98	267	51	200	12153	0	-52.5	22.1	2	97	269	51	200	12224	0	-51.8	24.1	0	92	270	50
300	9396	5	-39.6	22.7	1	96	269	39	300	9447	0	-37.3	20.9	1	97	271	39	300	9494	0	-35.1	23.4	0	95	272	44
500	5734	4	-15.8	29.0	0	91	268	16	500	5746	0	-14.0	24.6	1	97	272	19	500	5772	0	-13.0	21.6	0	96	268	22
700	3116	4	.6	27.6	0	59	271	6	700	3116	0	1.2	27.3	0	74	273	8	700	3133	0	2.0	23.5	0	86	265	9
850	1536	4	7.9	12.3	0	35	252	3	850	1532	0	9.1	15.3	1	34	290	3	850	1544	0	10.1	17.8	0	15	252	1
9999	* 33								9999	* 517								9999	* 598							
<b>SW PACIFIC - AUSTRALIA</b> <b>PERTH AIRPORT</b> 94610 JUN 2003 3156S 11558E OB /									<b>SW PACIFIC - AUSTRALIA</b> <b>EUCLA</b> 94647 JUN 2003 3141S 12853E OB									<b>SW PACIFIC - AUSTRALIA</b> <b>COBAR</b> 94711 JUN 2003 3129S 14550E OB /								
030	23773	3	-55.2	29.6					030	23788	7	-54.2	29.2	8	94	287	13	030	23809	6	-54.7	31.4	6	88	285	9
050	20559	2	-60.7	28.4					050	20562	3	-60.2	26.5	5	91	275	11	050	20581	2	-60.1	30.1	3	91	281	9
100	16286	1	-62.8	27.4	4	97	266	27	100	16289	3	-63.7	24.1	3	97	273	28	100	16324	1	-64.2	28.0	2	97	278	28
150	13768	0	-58.4	26.4	1	97	265	42	150	13771	3	-57.2	25.2	3	96	271	43	150	13814	0	-58.4	29.1	1	98	275	44
200	11941	0	-54.0	24.0	1	96	266	43	200	11933	3	-52.4	22.9	4	96	270	47	200	11980	0	-52.3	26.7	0	96	274	52
300	9285	0	-42.6	23.1	0	91	266	30	300	9264	3	-43.0	21.3	4	92	269	32	300	9303	0	-42.5	18.9	0	93	272	38
500	5668	0	-18.9	20.1	0	85	263	14	500	5659	3	-19.3	20.9	4	82	275	15	500	5686	0	-18.6	24.9	0	84	274	16
700	3075	0	-2.2	19.5	0	75	261	9	700	3072	3	-2.3	18.8	4	80	272	10	700	3095	0	-2.3	19.9	1	73	276	8
850	1510	0	5.7	10.3	0	62	268	7	850	1508	3	5.1	6.4	4	61	268	6	850	1530	0	5.5	9.2	1	59	277	5
9999	* 31								9999	* 102								9999	* 264							

# 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
<b>SW PACIFIC - AUSTRALIA</b> <b>WILLIAMTOWN AERODROME</b> 94776 JUN 2003 3248S 15150E OB /									<b>SW PACIFIC - AUSTRALIA</b> <b>ALBANY AIRPORT</b> 94802 JUN 2003 3456S 11748E OB /									<b>SW PACIFIC - AUSTRALIA</b> <b>MOUNT GAMBIER AERO</b> 94821 JUN 2003 3744S 14047E OB /								
030									030	23752	9	-56.8	30.6					030								
050	20592	3	-59.8	30.3	4	86	281	9	050	20539	7	-59.8	29.9					050	20510	8	-58.5	31.3	8	93	276	14
100	16309	1	-63.1	29.0	1	97	278	27	100	16215	1	-59.9	29.6	3	96	267	25	100	16150	2	-57.9	31.1	2	96	277	25
150	13788	0	-57.1	29.8	0	98	276	42	150	13663	1	-56.3	28.5	1	96	264	33	150	13570	0	-54.5	30.4	0	96	275	28
200	11947	0	-52.3	27.8	0	96	276	47	200	11833	0	-55.5	23.3	0	93	265	36	200	11727	0	-54.9	24.9	0	91	275	26
300	9278	0	-43.3	22.8	0	93	277	33	300	9206	0	-45.5	19.8	0	85	264	25	300	9123	0	-49.1	15.1	0	75	276	18
500	5672	0	-19.4	22.6	0	79	276	13	500	5626	0	-19.9	21.1	0	82	258	14	500	5579	0	-21.9	16.4	0	74	281	13
700	3085	0	-2.3	15.6	0	67	272	8	700	3046	0	-3.3	18.9	0	78	260	10	700	3017	0	-4.9	14.6	0	76	279	11
850	1518	0	5.7	8.6	0	66	268	7	850	1488	0	4.2	6.8	1	66	264	8	850	1469	0	2.7	5.5	0	71	279	9
9999	* 8								9999	* 69								9999	* 69							
<b>SW PACIFIC - AUSTRALIA</b> <b>MELBOURNE AIRPORT</b> 94866 JUN 2003 3740S 14451E OB									<b>SW PACIFIC - AUSTRALIA</b> <b>WAGGA AIRPORT</b> 94910 JUN 2003 3510S 14727E OB /									<b>SW PACIFIC - AUSTRALIA</b> <b>HOBART AIRPORT</b> 94975 JUN 2003 4250S 14729E OB /								
030	23725	6	-56.9	30.5	6	93	283	16	030	23800	1	-55.0	32.1	4	92	281	12	030	23641	1	-57.2	31.1	3	97	280	24
050	20499	2	-58.8	30.2	2	92	278	15	050	20567	1	-58.0	31.3	2	90	278	10	050	20417	1	-57.9	30.7	1	95	280	22
100	16154	0	-58.2	30.0	0	95	275	23	100	16242	0	-60.5	30.6	4	97	278	25	100	16034	1	-55.6	31.3	1	95	278	23
150	13584	0	-55.0	30.3	0	95	276	28	150	13688	0	-55.4	31.2	3	97	276	34	150	13445	1	-54.3	30.7	1	90	277	23
200	11742	0	-54.7	22.9	1	93	277	27	200	11842	0	-52.8	27.4	1	96	276	37	200	11610	1	-57.4	20.2	1	88	279	23
300	9135	0	-48.7	15.5	0	75	275	17	300	9202	0	-46.3	19.0	0	90	277	24	300	9043	0	-50.6	13.3	0	79	280	20
500	5590	0	-22.3	14.5	0	76	281	12	500	5630	0	-20.9	19.4	0	81	277	12	500	5521	0	-23.6	15.5	0	84	282	16
700	3030	0	-4.7	14.6	0	81	286	11	700	3060	0	-4.3	14.5	1	70	281	8	700	2970	0	-5.6	16.3	0	71	275	12
850	1479	0	3.0	7.1	0	67	293	8	850	1506	0	3.9	7.4	1	63	288	6	850	1424	0	2.2	8.6	2	73	281	11
9999	* 132								9999	* 213								9999	* 27							
<b>SW PACIFIC - AUSTRALIA (ADDITIONAL IS.)</b> <b>LORD HOWE ISLAND AERO</b> 94995 JUN 2003 3132S 15904E OB /									<b>SW PACIFIC - AUSTRALIA (ADDITIONAL IS.)</b> <b>NORFOLK ISLAND AERO</b> 94996 JUN 2003 2902S 16756E OB /									<b>SW PACIFIC - AUSTRALIA (ADDITIONAL IS.)</b> <b>MACQUARIE ISLAND</b> 94998 JUN 2003 5429S 15856E OB 3								
030	23832	4	-54.1	32.2	5	73	283	7	030	23827	0	-54.3	31.2	0	48	274	5	030	23130	4	-64.5	28.6	4	97	281	46
050	20604	4	-60.2	30.3	5	90	275	8	050	20615	0	-62.3	29.0	0	85	273	6	050	19989	4	-61.7	29.8	4	96	278	38
100	16349	3	-64.8	29.2	4	98	275	28	100	16427	0	-69.1	26.5	0	97	276	25	100	15660	3	-57.1	30.5	4	95	282	31
150	13852	1	-59.2	29.1	1	97	275	43	150	13961	0	-61.5	25.8	0	98	272	45	150	13087	3	-55.9	28.1	4	92	282	27
200	12023	1	-52.4	27.3	1	94	275	49	200	12147	0	-53.0	25.2	0	97	272	51	200	11259	3	-57.5	21.9	4	87	283	28
300	9334	1	-40.3	22.9	1	94	275	38	300	9442	0	-37.7	23.1	0	94	270	40	300	8686	3	-52.6	14.9	3	79	282	29
500	5690	1	-17.0	22.8	2	83	271	16	500	5754	0	-14.6	22.5	0	88	280	18	500	5226	3	-29.4	12.7	3	82	279	23
700	3087	1	-9	19.6	2	68	272	8	700	3125	0	2.1	22.6	0	74	295	9	700	2743	3	-13.3	11.3	3	86	277	18
850	1515	1	6.9	6.1	4	51	273	6	850	1537	0	8.4	5.6	0	39	289	4	850	1241	3	-4.9	4.5	3	87	277	15
9999	* 6								9999	* 109								9999	* 6							

# UPPER AIR

# JUNE 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
<b>SW PACIFIC - BRUNEI DARUSSALAM BRUNEI AIRPORT 96315 JUN 2003 0456N 11456E OB 3</b>								<b>SW PACIFIC - MALAYSIA(SABAH &amp; SARAWAK) KUCHING 96413 JUN 2003 0129N 11020E OB 3</b>								<b>SW PACIFIC - MALAYSIA(SABAH &amp; SARAWAK) BINTULU 96441 JUN 2003 0312N 11302E OB 3</b>										
030								030	23797	1	-57.1	31.4	1	99	91	29	030	23810	0	-57.1	30.1	0	99	90	29	
050								050	20645	0	-66.3	25.5	0	33	277	2	050	20654	0	-66.0	24.9	0	8	128	1	
100	16573	10	-80.3	12.5	9	81	71	11	100	16583	0	-80.2	14.4	0	75	81	8	100	16587	0	-80.1	15.2	0	81	75	9
150	14221	2	-67.5	12.0	4	95	72	18	150	14228	0	-67.3	13.0	0	94	74	16	150	14233	0	-67.2	13.8	0	96	72	18
200	12429	1	-53.0	11.4	4	95	75	16	200	12437	0	-53.1	12.1	0	94	76	15	200	12440	0	-52.9	12.8	0	95	76	16
300	9683	1	-30.7	10.6	3	92	89	10	300	9693	0	-30.6	11.9	0	93	87	10	300	9693	0	-30.5	12.2	0	93	82	10
500	5858	0	-5.3	8.1	2	53	101	4	500	5866	0	-5.2	9.5	0	65	93	4	500	5866	0	-5.1	8.6	0	62	94	4
700	3139	0	9.5	6.0	4	24	129	2	700	3149	0	9.7	7.6	0	11	75	1	700	3146	0	9.7	6.4	0	17	91	1
850	1497	0	18.8	5.8	3	21	212	1	850	1508	0	18.6	5.2	0	32	159	1	850	1505	0	18.8	5.6	0	25	201	1
1004	* 15		27.4	3.1					9999	* 27								9999	* 5							
<b>SW PACIFIC - MALAYSIA(SABAH &amp; SARAWAK) KOTA KINABALU 96471 JUN 2003 0556N 11603E OB 3</b>								<b>SW PACIFIC - MALAYSIA(SABAH &amp; SARAWAK) TAWAU 96481 JUN 2003 0416N 11753E OB 3</b>								<b>SW PACIFIC - AUSTRALIA (OCEAN ISLANDS) COCOS ISLAND AERO 96996 JUN 2003 1211S 09649E OB 3</b>										
030	23816	18	-57.2	31.7	9	99	88	29	030	23818	3	-56.8	31.2	3	99	90	30	030	23805	2	-56.7	30.0	6	98	90	16
050	20650	1	-65.7	25.7	1	85	86	7	050	20656	3	-65.9	27.5	3	58	87	4	050	20612	2	-63.7	25.3	6	24	27	1
100	16590	0	-80.5	14.1	0	89	72	12	100	16594	3	-80.3	16.1	3	75	77	7	100	16569	2	-80.4	12.9	9	33	136	3
150	14238	0	-67.2	13.4	0	96	71	18	150	14239	3	-66.8	15.7	3	91	71	15	150	14211	2	-67.4	13.1	5	34	346	4
200	12445	0	-52.9	12.6	0	94	77	16	200	12443	3	-52.7	15.8	4	92	78	14	200	12421	2	-53.3	15.4	6	54	318	6
300	9697	0	-30.4	10.8	0	93	87	8	300	9697	3	-30.6	13.9	4	91	87	9	300	9678	1	-30.6	24.8	3	61	253	5
500	5869	0	-5.1	8.3	0	53	96	4	500	5870	3	-4.9	12.0	3	57	101	4	500	5855	1	-6.0	18.2	5	55	256	3
700	3148	0	9.7	6.1	0	21	137	1	700	3148	3	9.9	7.8	3	38	108	3	700	3144	1	9.0	9.5	5	39	128	3
850	1506	0	18.9	6.1	0	49	229	2	850	1506	3	18.8	7.2	3	27	149	1	850	1510	1	16.6	3.8	3	88	93	6
9999	* 3								9999	* 20								9999	* 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 - THAILAND CHIANG MAI 48327 APR 2003 1847N 09859E OB 1																										
030																										
050	20620	9	-65.9																							
100	16619	3	-77.5		4	80	257	10																		
150	14240	3	-65.3		3	94	246	18																		
200	12436	3	-51.6		3	91	261	18																		
300	9688	2	-30.2		2	92	261	15																		
500	5864	2	-4.6	23.5	2	88	268	9																		
700	3148	2	10.9	2.2	2	35	281	2																		
850	1497	2	22.6	12.5	2	65	291	3																		
974	* 314		24.4	20.5																						



# STATION LIST RECENT DATA

06030	C	AALBORG	DENMARK & FAROE IS.	94326	CT	ALICE SPRINGS AERO	AUSTRALIA
04220	CT	AASIAAT (EGEDESMINDE)	GREENLAND	42475	C	ALLAHABAD/BAMHRAULI	INDIA
40831	C	ABADAN	IRAN, ISLAMIC REP	72517	C	ALLEN TOWN/A.-BETHLEHEM-.,PA.	USA
47409	C	ABASHIRI	JAPAN	36870	C	ALMATY	KAZAKHSTAN
07005	C	ABBEVILLE	FRANCE	08487	C	ALMERIA/AEROPUERTO	SPAIN
03091	C	ABERDEEN/DYCEAIRPORT	U KINGDOM	44277	C	ALTAI	MONGOLIA
03502	C	ABERPORTH	U KINGDOM	51076	C	ALTAY	CHINA
41112	C	ABHA	SAUDI ARABIA	42071	C	AMRITSAR	INDIA
72266	C	ABILENE/MUN.,TX.	USA	25563	CT	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	CT	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
60560	C	AIN SEFRA	ALGERIA	80099	C	ARAUCA/SANTIAGOPEREZ	COLOMBIA
07761	CT	AJACCIO	FRANCE	83579	C	ARAXA	BRAZIL
31168	C	AJAN	RUSSIAN FEDERATION	84752	C	AREQUIPA	PERU
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	86330	C	ARTIGAS	URUGUAY
04082	C	AKURNES	ICELAND	44288	C	ARVAIHEER	MONGOLIA
40420	C	AL AHSA	SAUDI ARABIA	60452	C	ARZEW	ALGERIA
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

# STATION LIST RECENT DATA

91925	CT	ATUONA	FRENCHPOLY.	89055	C	BASE MARAMBIO (CENTROMET. A	ARGENTINA
72218	C	AUGUSTA/BUSHFIELD, GA.	USA	88968	C	BASE ORCADAS	ARGENTINA
72254	C	AUSTIN/ROBERTMUELLER.,TX.	USA	89066	C	BASE SAN MARTIN	ARGENTINA
08330	C	BADAJOS/TALAVERALA REAL	SPAIN	07790	CT	BASTIA	FRANCE
30554	C	BAGDARIN	RUSSIAN FEDERATION	44302	C	BAYAN-OVOO	MONGOLIA
83980	C	BAGE	BRAZIL	44275	C	BAYANBULAG	MONGOLIA
71727	C	BAGOTVILLE,QUE.	CANADA	44352	C	BAYANDELGER	MONGOLIA
98328	C	BAGUIO	PHILIPPINES	44287	C	BAYANHONGOR	MONGOLIA
87750	C	BAHIA BLANCA AERO	ARGENTINA	60571	CT	BECHAR	ALGERIA
86033	C	BAHIA NEGRA	PARAGUAY	72412	C	BECKLEY(RALEIGHCTY.MUN),WV.	USA
41150	C	BAHRAIN (INT. AIRPORT)	BAHRAIN	54511	CT	BEIJING	CHINA
44265	C	BAITAG	MONGOLIA	60402	C	BEJAIA	ALGERIA
71926	CT	BAKER LAKE UA,N.W.T.	CANADA	82191	C	BELEM	BRAZIL
07299	C	BALE-MILHOUSE	FRANCE	82193	T	BELEM (AEROPORTO)	BRAZIL
35796	C	BALHASH	KAZAKHSTAN	03917	C	BELFAST/ALDERGROVEAIRPORT	U KINGDOM
96633	C	BALIKPAPAN/SEPINGGAN	INDONESIA	43198	C	BELGAUM/SAMBRA	INDIA
85874	C	BALMACEDA	CHILE	78583	C	BELIZE/PHILLIPGOLDSTONINTL	BELIZE
72406	C	BALTIMORE/BALTIMORE-WASHINGT	USA	89050	C	BELLINGSHAUSEN	USSR
61291	C	BAMAKO/SENOU	MALI	03976	C	BELMULLET	IRELAND
43295	C	BANGALORE	INDIA	83587	C	BELO HORIZONTE	BRAZIL
48455	CT	BANGKOK	THAILAND	82246	C	BELTERRA	BRAZIL
41685	C	BAR KHAN	PAKISTAN	40180	C	BEN-GURIONINT. AIRPORT	ISRAEL
82784	C	BARBALHA	BRAZIL	60518	C	BENI-SAF	ALGERIA
80419	C	BARCELONA	VENEZUELA	82410	C	BENJAMIN CONSTANT	BRAZIL
08181	C	BARCELONA/AEROPUERTO	SPAIN	13274	C	BEOGRAD	YUGOSLAVIA
87765	C	BARILOCHEAERO	ARGENTINA	13275	T	BEOGRAD/KOSUTNJAK	YUGOSLAVIA
80440	C	BARINAS	VENEZUELA	01317	C	BERGEN/FLORIDA	NORWAY
29838	C	BARNAUL	RUSSIAN FEDERATION	10384	C	BERLIN-TEMPELHOF	GERMANY
80410	C	BARQUISIMETO	VENEZUELA	40179	T	BET DAGAN	ISRAEL
82571	C	BARRA DO CORDA	BRAZIL	70219	C	BETHEL/BETHELAIRPORT, AK.	USA
80091	C	BARRANCABERMEJA/YARIGUIES	COLOMBIA	68461	CT	BETHLEHEM	SOUTH AFRICA
80028	C	BARRANQUILLA/ERNESTOCORTISSO	COLOMBIA	40100	T	BEYROUTH(AEROPORT)	LEBANON
83236	C	BARREIRAS	BRAZIL	42971	CT	BHUBANESWAR	INDIA
70026	CT	BARROW/W.POST W. ROGERS	USA	12295	C	BIALYSTOK	POLAND
44305	C	BARUUN-URT	MONGOLIA	42165	C	BIKANER	INDIA
44241	C	BARUUNKHARAA	MONGOLIA	72677	C	BILLINGS/LOGANINT., MT.	USA
44213	C	BARUUNTURUUN	MONGOLIA	61017	C	BILMA	NIGER
98135	C	BASCO	PHILIPPINES	72515	C	BINGHAMTON/BROOMECONY.	USA
86011	C	BASE 5 "GRAL A.JARA"	PARAGUAY	96441	CT	BINTULU	MALAYSIA
89057	C	BASE ARTUROPRAT	CHILE	61075	C	BIRNI-N' KONNI	NIGER
89034	C	BASE BELGRANOII	ARGENTINA	41084	C	BISHA	SAUDI ARABIA
89059	C	BASE BERNARDOO'HIGGINS	CHILE	60525	C	BISKRA	ALGERIA
88963	C	BASE ESPERANZA	ARGENTINA	72764	CT	BISMARCK/MUN.,ND.	USA
89053	C	BASE JUBANY	ARGENTINA	15085	C	BISTRITA	ROMANIA

# STATION LIST RECENT DATA

01028	CT	BJORNOYA	NORWAY	44239	C	BULGAN	MONGOLIA
31510	CT	BLAGOVESCHENSK	RUSSIAN FEDERATION	08075	C	BURGOS/VILLAFRIA	SPAIN
68442	C	BLOEMFONTEINAIRPORT	SOUTH AFRICA	72617	C	BURLINGTON/INTL,VT.	USA
82024	C	BOA VISTA	BRAZIL	17116	C	BURSA	TURKEY
65510	C	BOBO-DIOULASSO	BURKINAFASO	98330	C	CABANATUAN	PHILIPPINES
01152	CT	BODO	NORWAY	08261	C	CACERES	SPAIN
80222	CT	BOGOTA/ELDORADO	COLOMBIA	07027	C	CAEN	FRANCE
29282	C	BOGUCANY	RUSSIAN FEDERATION	16560	T	CAGLIARI/ELMAS	ITALY
65338	C	BOHICON	BENIN	94287	C	CAIRNS AERO	AUSTRALIA
72681	C	BOISE/MUN.,ID.	USA	80442	C	CALABOZO	VENEZUELA
87640	C	BOLIVAR AERO	ARGENTINA	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/ALFONSOBONILLARAGON	COLOMBIA
43003	T	BOMBAY/SANTACRUZ	INDIA	68618	C	CALVINIA	SOUTH AFRICA
31253	C	BOMNAK	RUSSIAN FEDERATION	03808	T	CAMBORNE	U KINGDOM
23884	C	BOR	RUSSIAN FEDERATION	71925	T	CAMBRIDGEBAY UA, N.W.T.	CANADA
91929	C	BORA-BORA	FRENCH POLY. ON	85315	C	CAMIRI	BOLIVIA
07510	C	BORDEAUX/MERIGNAC	FRANCE	83612	T	CAMPO GRANDE(AEROPORTO)	BRAZIL
60444	C	BORDJ BOU ARRERIDJ	ALGERIA	83698	C	CAMPOS	BRAZIL
65516	C	BOROMO	BURKINAFASO	17112	C	CANAKKALE	TURKEY
72509	C	BOSTON/LOGANINT., MA	USA	07661	C	CAP CEPET	FRANCE
60515	C	BOU-SAADA	ALGERIA	71910	C	CAPE DORSET, N.W.T.	CANADA
61296	C	BOUGOUNI	MALI	72304	C	CAPE HATTERAS, NC.	USA
60417	C	BOUIRA	ALGERIA	68816	CT	CAPE TOWN INTNL. AIRPORT	SOUTH AFRICA
07255	C	BOURGES	FRANCE	80416	C	CARACAS/LACARLOTA	VENEZUELA
03862	C	BOURNEMOUTH AIRPORT	U KINGDOM	80415	C	CARACAS/MAIQUETIAAEROP. INT	VENEZUELA
08575	C	BRAGANCA	PORTUGAL	83592	C	CARATINGA	BRAZIL
83377	C	BRASILIA	BRAZIL	83498	CT	CARAVELAS	BRAZIL
83378	T	BRASILIA (AEROPORTO)	BRAZIL	72712	C	CARIBOU/MUN., ME.	USA
30309	C	BRATSK	RUSSIAN FEDERATION	82765	CT	CAROLINA	BRAZIL
64450	C	BRAZZAVILLE/MAYA-MAYA	CONGO	86580	C	CARRASCO	URUGUAY
07110	C	BREST	FRANCE	80432	C	CARRIZAL	VENEZUELA
16320	T	BRINDISI	ITALY	80022	C	CARTAGENA/RAFAELNUNEZ	COLOMBIA
11723	C	BRNO/TURANY	CZECH REP	60155	CT	CASABLANCA	MOROCCO
10453	C	BROCKEN	GERMANY	03967	C	CASEMENT AERODROME	IRELAND
94203	CT	BROOME AIRPORT	AUSTRALIA	89611	CT	CASEY	AUSTRALIA
72250	C	BROWNSVILLE/INT., TX.	USA	72569	C	CASPER/NATRONACOUNTY I., WY.	USA
96315	CT	BRUNEI AIRPORT	BRUNEI DARUSSALAM	87222	C	CATAMARCA AERO.	ARGENTINA
80094	C	BUCARAMANGA/PALONEGRO	COLOMBIA	83676	C	CATANDUVA	BRAZIL
15420	CT	BUCURESTI/IMH	ROMANIA	81405	C	CAYENNE/ROCHAMBEAU	FRENCH GUIANA
12843	CT	BUDAPEST/LORINC	HUNGARY	94653	C	CEDUNA AIRPORT	AUSTRALIA
87585	C	BUENOS AIRES OBSERVATORIO	ARGENTINA	89056	C	CENTROMET. ANTARTICO''PDTE. ED	CHILE
72528	C	BUFFALO/GREATER BUFFALO, NY.	USA	87257	C	CERES AERO	ARGENTINA
67964	C	BULAWAYO(GOETZ OBSY.)	ZIMBABWE	87320	C	CHAMICAL AERO	ARGENTINA

# STATION LIST RECENT DATA

48480	C	CHANTHABURI	THAILAND	85041	C	COBIJA	BOLIVIA
85230	C	CHARANA	BOLIVIA	85223	C	COCHABAMBA	BOLIVIA
38687	C	CHARDZHEV	TURKMENISTAN	43353	T	COCHIN/WILLINGDON	INDIA
72414	C	CHARLESTON/KANAWHA.,WV.	USA	96996	CT	COCOS ISLAND AERO	AUSTRALIA
72208	C	CHARLESTON/MUN.,SC.	USA	94791	C	COFFS HARBOURMO	AUSTRALIA
72314	C	CHARLOTTE/DOUGLASNC.	USA	70316	CT	COLD BAY	USA
07314	C	CHASSIRON	FRANCE	43466	C	COLOMBO	SRI LANKA
93986	T	CHATHAM ISLAND	N ZEALAND	86560	C	COLONIA	URUGUAY
93987	C	CHATHAM ISLANDS AWS	N ZEALAND	76458	C	COLONIA JUAN CARRAS-COMAZAT	MEXICO
72324	C	CHATTANOOGA/LOVELFIELD, TN	USA	72310	C	COLUMBIA, SC.	USA
47184	C	CHEJU	REP KOREA	72445	C	COLUMBIA/REGIONAL, MO.	USA
56294	C	CHENGDU	CHINA	72428	C	COLUMBUS/PORTCOLUMBUS, OH.	USA
87322	C	CHEPES	ARGENTINA	76848	C	COMITAN, CHIS.	MEXICO
42515	C	CHERRAPUNJI	INDIA	87860	C	COMODORO RIVADAVIA AERO	ARGENTINA
76750	C	CHETUMAL, Q. ROO	MEXICO	82861	C	CONCEICAO DO ARAGUAIA	BRAZIL
72564	C	CHEYENNE, WY.	USA	86134	C	CONCEPCION	PARAGUAY
41768	C	CHHOR	PAKISTAN	72605	C	CONCORD/MUN., NH.	USA
48327	CT	CHIANG MAI	THAILAND	87395	C	CONCORDIA AERO	ARGENTINA
72530	C	CHICAGO/O'HARE, IL.	USA	15480	C	CONSTANTA	ROMANIA
47971	CT	CHICHIJIMA	JAPAN	60419	C	CONSTANTINE	ALGERIA
84452	C	CHICLAYO	PERU	85470	C	COPIAPO	CHILE
87213	C	CHILECITO AERO	ARGENTINA	71915	T	CORAL HARBOUR UA, N.W.T.	CANADA
85672	C	CHILLAN	CHILE	87344	CT	CORDOBA AERO	ARGENTINA
38262	C	CHIMBAJ	UZBEKISTAN	08410	C	CORDOBA/AEROPUERTO	SPAIN
30758	CT	CHITA	RUSSIAN FEDERATION	03955	C	CORK AIRPORT	IRELAND
60425	C	CHLEF	ALGERIA	80403	C	CORO	VENEZUELA
44259	C	CHOIBALSAN	MONGOLIA	72251	C	CORPUS CHRISTI/INT., TX.	USA
44298	C	CHOIR	MONGOLIA	87166	C	CORRIENTES AERO.	ARGENTINA
76311	C	CHOIX, SIN.	MEXICO	17084	C	CORUM	TURKEY
21946	C	CHOKURDAH	RUSSIAN FEDERATION	83552	C	CORUMBA	BRAZIL
47648	C	CHOSHI	JAPAN	65344	C	COTONOU	BENIN
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	CHURCHILL UA, MAN.	CANADA	83361	C	CUIABA	BRAZIL
72421	C	CINCINNATI/GREATERCIN., OH.	USA	80420	C	CUMANA	VENEZUELA
80444	C	CIUDAD BOLIVAR	VENEZUELA	85629	C	CURICO	CHILE
86248	C	CIUDAD DEL ESTE	PARAGUAY	83842	C	CURITIBA	BRAZIL
08348	C	CIUDAD REAL	SPAIN	83840	T	CURITIBA (AEROPORTO)	BRAZIL
07460	C	CLERMONT-FERRAND	FRANCE	84686	C	CUZCO	PERU
15120	C	CLUJ-NAPOCA	ROMANIA	43150	T	CWC VISHAKHAPATNAM/WALTAIR	INDIA
71090	C	CLYDE, N.W.T.	CANADA	98325	C	DAGUPAN	PHILIPPINES
82425	C	COARI	BRAZIL	61641	CT	DAKAR/YOFF	SENEGAL
94711	CT	COBAR	AUSTRALIA	41712	C	DAL BANDIN	PAKISTAN

# STATION LIST RECENT DATA

44373	C	DALANZADGAD	MONGOLIA	67005	C	DZAOUDZI/PAMANZI(MAYOTTE)	COMOROS
72259	C	DALLAS-FORT WORTH/FORT.,TX.	USA	24143	C	DZARDZAN	RUSSIAN FEDERATION
42587	C	DALTONGANJ	INDIA	68858	C	EAST LONDON	SOUTH AFRICA
40080	C	DAMASCUS INT. AIRPORT	SYRIAN ARAB REP	94907	C	EAST SALE AIRPORT	AUSTRALIA
62805	C	DAMAZINE	SUDAN	17050	C	EDIRNE	TURKEY
04320	C	DANMARKSHAVN	GREENLAND	71119	T	EDMONTON STONY PLAIN, ALTA	CANADA
63894	C	DAR ES SALAAM AIRPORT	U REP TANZANIA	40199	C	EILAT	ISRAEL
60390	CT	DAR-EL-BEIDA	ALGERIA	28440	C	EKATERINBURG	RUSSIAN FEDERATION
94120	CT	DARWIN AIRPORT	AUSTRALIA	62337	C	EL ARISH	EGYPT
44256	C	DASHBALBAR	MONGOLIA	62760	C	EL FASHER	SUDAN
89571	CT	DAVIS	AUSTRALIA	60590	C	EL GOLEA	ALGERIA
72429	C	DAYTON/. COX, OH	USA	60540	C	EL KHEITER	ALGERIA
06260	C	DE BILT	NETHERLANDS	62771	C	EL OBEID	SUDAN
06235	C	DE KOOY	NETHERLANDS	60559	C	EL OUED	ALGERIA
12882	C	DEBRECEN	HUNGARY	72270	C	EL PASO/INT., TX.	USA
65505	C	DEDOUGOU	BURKINA FASO	80437	C	EL VIGIA	VENEZUELA
40045	C	DEIR EZZOR	SYRIAN ARAB REP	60367	C	EL-KALA	ALGERIA
97230	C	DENPASAR/NGURAH-RAI	INDONESIA P	60550	C	ELBAYADH	ALGERIA
41624	C	DERA ISMAIL KHAN	PAKISTAN	12160	C	ELBLAG	POLAND
72546	C	DES MOINES/MUN., IA.	USA	63686	C	ELDORET	KENYA
72537	C	DETROIT/METROPOLITANMI.	USA	72486	C	ELY/YELLAND,NV.	USA
40416	C	DHAHRAN	SAUDI ARABIA	07591	CT	EMBRUN	FRANCE
41923	T	DHAKA	BANGLADESH	10200	C	EMDEN-FLUGPLATZ	GERMANY
42314	C	DIBRUGARH/MOHANBARI	INDIA	76256	C	EMPALME, SON	MEXICO
67009	C	DIEGO-SUAREZ	MADAGASCAR	62781	C	EN NAHUD	SUDAN
07280	C	DIJON	FRANCE	86297	C	ENCARNACION	PARAGUAY
89054	C	DINAMET-URUGUAY	URUGUAY	29263	C	ENISEJSK	RUSSIAN FEDERATION
63471	C	DIREDAWA	ETHIOPIA	24817	C	ERBOGACEN	RUSSIAN FEDERATION
17280	CT	DIYARBAKIR	TURKEY	44237	C	ERDENEMANDAL	MONGOLIA
60670	C	DJANET	ALGERIA	53068	C	ERENHOT	CHINA
63862	C	DODOMA	U REP TANZANIA	10554	C	ERFURT-BINDERSLEBEN	GERMANY
87648	C	DOLORES AERO	ARGENTINA	17092	C	ERZINCAN	TURKEY
62650	C	DONGOLA	SUDAN	17096	C	ERZURUM	TURKEY
65501	C	DORI	BURKINA FASO	40800	C	ESFAHAN	IRAN, ISLAMIC REP
64910	C	DOUALA OBS.	CAMEROON	03162	C	ESKDALEMUIR	U KINGDOM
10488	C	DRESDEN-KLOTZSCHE	GERMANY	87803	C	ESQUEL AERO	ARGENTINA
41515	C	DROSH	PAKISTAN	60220	C	ESSAOUIRA	MOROCCO
41194	C	DUBAI INTERNATIONALAIRPORT	U ARAB EMIRATES	10410	CT	ESSEN	GERMANY
03969	C	DUBLIN AIRPORT	IRELAND	71917	T	EUREKA UA, N.W.T.	CANADA
52836	C	DULAN	CHINA	72594	C	EUREKA, CA.	USA
72745	C	DULUTH/INT.,MN.	USA	72432	C	EVANSVILLE/REG.,IN.	USA
89642	CT	DUMONT D'URVILLE	FRANCE	87576	CT	EZEIZA AERO	ARGENTINA
68588	CT	DURBAN INTNL. AIRPORT	SOUTH AFRICA	65507	C	FADA N'GOURMA	BURKINA FASO
42731	C	DWARKA	INDIA	70261	C	FAIRBANKS/INT.	USA

# STATION LIST RECENT DATA

72753	C	FARGO/HECTORFIELD, ND.	USA	08184	C	GERONA/COSTABRAVA	SPAIN
76698	C	FELIPE CARRILLOPUERTO, Q.RO	MEXICO	60566	C	GHARDAIA	ALGERIA
11155	C	FEUERKOGEL	AUSTRIA	60517	C	GHAZAOUET	ALGERIA
10578	C	FICHTELBERG	GERMANY	08495	CT	GIBRALTAR	GIBRALTAR
72637	C	FLINT/BISHOP, MI.	USA	94461	CT	GILES	AUSTRALIA
82678	CT	FLORIANO	BRAZIL	17034	C	GIRESUN	TURKEY
83897	C	FLORIANOPOLIS	BRAZIL	93292	C	GISBORNE AERODROMEAWS	N ZEALAND
82212	C	FONTE BOA	BRAZIL	41140	C	GIZAN	SAUDI ARABIA
87162	C	FORMOSA AERO	ARGENTINA	72768	C	GLASGOW/INTL,MT.	USA
71945	CT	FORT NELSON UA,B.C.	CANADA	20292	C	GMO IM.E.K. FEDOROVA	RUSSIAN FEDERATION
71934	T	FORT SMITH UA,N.W.T.	CANADA	43192	CT	GOA/PANJIM	INDIA
72344	C	FORT SMITH/MUN., AR.	USA	87880	C	GOBERNADOR GREGORES AERO	ARGENTINA
72533	C	FORT WAYNE/MUN.,BAERFL.,IN.	USA	10499	C	GOERLITZ	GERMANY
67197	C	FORT-DAUPHIN	MADAGASCAR	83423	C	GOIANIA	BRAZIL
82397	CT	FORTALEZA	BRAZIL	63331	C	GONDAR	ETHIOPIA
72389	C	FRESNO/AIR TERM., CA.	USA	71816	CT	GOOSE UA,NFLD.	CANADA
02226	C	FROSON	SWEDEN	97048	C	GORONTALO/JALALUDDIN	INDONESIA
47843	C	FUKUE	JAPAN	02527	T	GOTEBORG/LANDVETTER	SWEDEN
47807	CT	FUKUOKA	JAPAN	02512	C	GOTEBORG/SAVE	SWEDEN
91643	C	FUNAFUTI	TUVALU	07535	C	GOURDON	FRANCE
08522	CT	FUNCHAL	MADEIRA	61045	C	GOURE	NIGER
60765	C	GABES	TUNISIA	94150	CT	GOVE AIRPORT	AUSTRALIA
60745	C	GAFSA	TUNISIA	72476	C	GRAND JUNCTION/WALKERF.,CO.	USA
65557	C	GAGNOA	COTE D'IVOIRE	72635	C	GRAND RAPIDS/KENT CO., MI.	USA
44284	C	GAIUUT	MONGOLIA	78954	C	GRANTLEY ADAMS	BARBADOS
83746	T	GALEAO	BRAZIL	11240	C	GRAZ-THALERHOF-FLUGHAFEN	AUSTRIA
72242	C	GALVESTON, TX.	USA	72645	C	GREEN BAY/A.-STRAUBEL,WI.	USA
94926	C	GANBERRAAMO	AUSTRALIA	72317	C	GREENSBORO/G.-HIGHPT., NC.	USA
71803	C	GANDER INT. AIRPORT, NFLD.	CANADA	72312	C	GREENVILLE/SPATANBURG,SC	USA
57993	C	GANZHOU	CHINA	10184	CT	GREIFSWALD	GERMANY
61226	C	GAO	MALI	87497	C	GUALEGUAYCHUAERO	ARGENTINA
65522	C	GAOUA	BURKINA FASO	76577	C	GUANAJUATO,GTO.	MEXICO
63723	C	GARISSA	KENYA	80428	C	GUANARE	VENEZUELA
40405	C	GASSIM	SAUDI ARABIA	59287	C	GUANGZHOU	CHINA
42410	CT	GAUHATI	INDIA	80448	C	GUASDUALITO	VENEZUELA
62752	C	GEDAREF	SUDAN	60403	C	GUELMA	ALGERIA
10628	C	GEISENHEIM	GERMANY	80423	C	GUIRIA	VENEZUELA
62770	C	GENEINA	SUDAN	02128	C	GUNNARN	SWEDEN
87532	C	GENERAL PICO AERO	ARGENTINA	40360	C	GURIAT	SAUDI ARABIA
06700	C	GENEVE-COINTRIN	SWITZERLAND	40250	C	H-4 'IRWAISHED'	JORDAN
68828	C	GEORGE AIRPORT	SOUTH AFRICA	31735	C	HABAROVSK	RUSSIAN FEDERATION
81001	C	GEORGETOWN	GUYANA	47678	CT	HACHIJOJIMA	JAPAN
10567	C	GERA-LEUMNITZ	GERMANY	76692	C	HACIENDA YLANG YLANG VER.	MEXICO
94403	CT	GERALDTON AIRPORT	AUSTRALIA	40373	T	HAFR AL-BATIN	SAUDI ARABIA

# STATION LIST RECENT DATA

59758	C	HAIKOU	CHINA	43128	CT	HYDERABADAIRPORT	INDIA
40394	CT	HAIL	SAUDI ARABIA	15090	C	IASI	ROMANIA
50527	CT	HAILAR	CHINA	80214	C	IBAGUE/PERALES	COLOMBIA
17285	C	HAKKARI	TURKEY	08373	C	IBIZA/ES CODOLA	SPAIN
47430	C	HAKODATE	JAPAN	32411	C	ICA	RUSSIAN FEDERATION
71081	CT	HALL BEACH UA,N.W.T.	CANADA	87097	C	IGUAZU AERO	ARGENTINA
89022	CT	HALLEY	U KINGDOM	60640	C	ILLIZI	ALGERIA
94212	C	HALLS CREEK AMO	AUSTRALIA	04339	C	ILLOQQORTOORMIUT(SCORES BYSU	GREENLAND
40030	C	HAMA	SYRIAN ARAB REP	98637	C	ILOILO	PHILIPPINES
47755	C	HAMADA	JAPAN	31416	C	IM POLINY OSIPENKO	RUSSIAN FEDERATION
43497	C	HAMBANTOTA	SRI LANKA	64459	C	IMP FONDO	CONGO
10147	C	HAMBURG-FUHL SBUETTEL	GERMANY	60611	C	IN AMENAS	ALGERIA
52203	C	HAMI	CHINA	60630	CT	IN SALAH	ALGERIA
10338	C	HANNOVER	GERMANY	72438	C	INDIANAPOLIS/I.-MUN/WEI.,IN.	USA
23933	CT	HANTY-MANSIJSK	RUSSIAN FEDERATION	42754	C	INDORE	INDIA
02196	C	HAPARANDA	SWEDEN	11120	C	INNSBRUCK-FLUGHAFEN	AUSTRIA
67775	C	HARARE (KUTSAGA)	ZIMBABWE	72747	CT	INT.FALLS/FALLSINT.MN.	USA
72508	C	HARTFORD/BRADLEYINTL, CT.	USA	71907	CT	INUKJUAQ, QUE	CANADA
60581	C	HASSI-MESSAOUD	ALGERIA	71957	CT	INUVIK UA,N.W.T.	CANADA
20891	C	HATANGA	RUSSIAN FEDERATION	93844	CT	INVERCARGILLAERODROME	N ZEALAND
44207	C	HATGAL	MONGOLIA	80370	C	IPIALES/SAN LUIS	COLOMBIA
78988	CT	HATO AIRPORT,CURACAO	CURACAO AND BONAIRE	71909	CT	IQUALUIT,N.W.T.	CANADA
71935	C	HAY RIVER,N.W.T.	CANADA	84377	C	IQUITOS	PERU
72772	C	HELENA/COUNTY-CITY,MT.	USA	83881	C	IRAI	BRAZIL
02974	C	HELSINKI-VANTAA	FINLAND	83836	C	IRATI	BRAZIL
62378	CT	HELWAN	EGYPT	68263	T	IRENE	SOUTH AFRICA
16754	C	HERAKLION(AIRPORT)	GREECE	30710	C	IRKUTSK	RUSSIAN FEDERATION
91945	C	HEREHERETUE	FRENCH POLY.	47918	CT	ISHIGAKIJIMA	JAPAN
71066	C	HIGH LEVEL, ALTA	CANADA	85469	CT	ISLA DE PASCUA	CHILE
91753	C	HIHIFO (ILE WALLIS)	N CALEDONIA	85585	C	ISLA JUAN FERNANDEZ	CHILE
91285	CT	HILO/GEN.LYMAN, HAWAII,	USA ONIA	41571	C	ISLAMABAD AIRPORT	PAKISTAN
94975	CT	HOBART AIRPORT	AUSTRALIA	17240	CT	ISPARTA	TURKEY
10962	C	HOHENPEISSENBERG	GERMANY	17062	CT	ISTANBUL/GOZTEPE	TURKEY
93615	C	HOKITIKA AERODROME AWS	N ZEALAND	82445	C	ITAITUBA	BRAZIL
61240	C	HOMBORI	MALI	17220	CT	IZMIR/GUZELYALT	TURKEY
91182	C	HONOLULU,OAHU, HAWAII	USA	47800	C	IZUHARA	JAPAN
08506	C	HORTA (ACORES)	PORTUGAL	72235	C	JACKSON/ALLENC. THOMP., MS.	USA
51828	C	HOTAN	CHINA	72206	C	JACKSONVILLE/INTNL.,FL.	USA
72243	C	HOUSTON/INTERCONTI-NENTAL,	USA	41715	C	JACOBABAD	PAKISTAN
44218	C	HOVD	MONGOLIA	83186	C	JACOBINA	BRAZIL
44285	C	HUIJIRT	MONGOLIA	43041	C	JAGDALPUR	INDIA
72425	C	HUNTINGTON,WV	USA	96749	C	JAKARTA/SOEKARNO-HATTA	INDONESIA
72654	C	HURON/HURONREGIONAL,SD.	USA	24959	CT	JAKUTSK	RUSSIAN FEDERATION
44232	C	HUTAG	MONGOLIA	01001	CT	JAN MAYEN	NORWAY

# STATION LIST RECENT DATA

41024	CT	JEDDAH (KING ABDUL AZIZ INT.	SAUDI ARABIA	10727	C	KARLSRUHE	GERMANY
60725	C	JENDOUBA	TUNISIA	02418	C	KARLSTADFLYGPLATS	SWEDEN
08451	C	JEREZ DE LA FRONTERA AERO.	SPAIN	17098	C	KARS	TURKEY
41598	C	JHELUM	PAKISTAN	67475	C	KASAMA	ZAMBIA
60351	C	JIJEL ACHOUAT	ALGERIA	51709	C	KASHI	CHINA
60353	C	JIJEL PORT	ALGERIA	62730	C	KASSALA	SUDAN
63402	C	JIMMA	ETHIOPIA	17074	C	KASTAMONU	TURKEY
52533	C	JIUQUAN	CHINA	44454	C	KATHMANDU AIRPORT	NEPAL
41756	C	JIWANI	PAKISTAN	26629	C	KAUNAS	LITHUANIA
42339	CT	JODHPUR	INDIA	61257	C	KAYES	MALI
02929	C	JOENSUU	FINLAND	27595	CT	KAZAN'	RUSSIAN FEDERATION
68368	C	JOHANNESBURG INT. AIRPORT	SOUTH AFRICA	61699	C	KEDOUGOU	SENEGAL
02963	CT	JOKIOINEN	FINLAND	04018	CT	KEFLAVIKURFLUGVOLLUR	ICELAND
02550	C	JONKOPING/AXAMO	SWEDEN	10946	C	KEMPTEN	GERMANY
78762	C	JUAN SANTAMARIA	COSTA RICA	61285	C	KENIEBA	MALI
62941	C	JUBA	SUDAN	60120	C	KENITRA	MOROCCO
87046	C	JUJUY AERO	ARGENTINA	16641	C	KERKYRA (AIRPORT)	GREECE
84735	C	JULIACA	PERU	93997	T	KERMADECIS.	N ZEALAND
78866	CT	JULIANA AIRPORT, ST. MAARTEN	ST.MAARTEN, ST.EUST	40841	CT	KERMAN	IRAN, ISLAMIC REP
87548	C	JUNIN AERO	ARGENTINA	40766	C	KERMANS SHAH	IRAN, ISLAMIC REP
32150	CT	JUZHNO-SAHALINSK	RUSSIAN FEDERATION	02805	C	KEVO	FINLAND
02935	CT	JYVASKYLA	FINLAND	72201	C	KEY WEST/INT., FL.	USA
67663	C	KABWE	ZAMBIA	44313	C	KHALKH-GOL	MONGOLIA
62810	C	KADUGLI	SUDAN	41114	C	KHAMIS MUSHAIT	SAUDI ARABIA
47827	CT	KAGOSHIMA	JAPAN	41718	C	KHANPUR	PAKISTAN
17255	C	KAHRAMANMARAS	TURKEY	34300	C	KHARKIV	UKRAINE
93678	C	KAIKOURA	N ZEALAND	62721	CT	KHARTOUM	SUDAN
60735	C	KAIROUAN	TUNISIA	60476	C	KHENCHELLA	ALGERIA
93012	C	KAITAIA	N ZEALAND	41744	C	KHUZDAR	PAKISTAN
02897	C	KAJAANI	FINLAND	02801	C	KILPISJARVI	FINLAND
30469	C	KALAKAN	RUSSIAN FEDERATION	68438	C	KIMBERLEY	SOUTH AFRICA
16726	C	KALAMATA (AIRPORT)	GREECE	40417	C	KING FAHAD INT. AIRPORT	SAUDI ARABIA
25744	C	KAMENSKOE	RUSSIAN FEDERATION	40437	CT	KING KHALED INT. AIRPORT	SAUDI ARABIA
40001	C	KAMISHLI	SYRIAN ARAB REP	70326	C	KING SALMON	USA
71887	C	KAMLOOPS, B.C.	CANADA	45004	CT	KING'S PARK	HONG KONG, CHINA
47605	C	KANAZAWA	JAPAN	78397	C	KINGSTON/NORMANMANLEY	JAMAICA
65306	C	KANDI	BENIN	03066	C	KINLOSS	U KINGDOM
47105	C	KANGNUNG	REP KOREA	64210	C	KINSHASA/N'DJILI	DEMO. REP THE CONG
22165	C	KANIN NOS	RUSSIAN FEDERATION	30230	CT	KIRENSK	RUSSIAN FEDERATION
61679	C	KAOLACK	SENEGAL	11231	C	KLAGENFURT-FLUGHAFEN	AUSTRIA
41780	C	KARACHI AIRPORT	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.



# STATION LIST RECENT DATA

29231	CT	KOLPASEVO	RUSSIAN FEDERATION	72240	C	LAKE CHARLES/MUN.,LA.	USA
10929	C	KONSTANZ	GERMANY	72576	C	LANDER/HUNT,WY.	USA
17244	C	KONYA	TURKEY	60040	C	LANZAROTE/AEROPUERTO	SPAIN
25954	CT	KORF	RUSSIAN FEDERATION	52889	CT	LANZHOU	CHINA
91408	C	KOROR, PALAU IS.	USA FEDERATION	98223	C	LAOAG	PHILIPPINES
62772	C	KOSTI	SUDAN	16648	C	LARISSA (AIRPORT)	GREECE
42452	C	KOTA AERODROME	INDIA	17609	C	LARNACA AIRPORT	CYPRUS
48615	CT	KOTA BHARU	MALAYSIA	87563	C	LAS FLORES AERO	ARGENTINA
96471	CT	KOTA KINABALU	MALAYSIA	80241	CT	LAS GAVIOTAS	COLOMBIA
70133	CT	KOTZEBUE,RALPH WIEN	USA	60030	C	LAS PALMAS DE GRAN CAN./GAN.	SPAIN
91577	C	KOUMAC (NLLE-CALEDONIE)	N CALEDONIA	72386	C	LAS VEGAS/MCCARRAN,NV.	USA
61293	C	KOUTIALA	MALI	40022	C	LATTAKIA	SYRIAN ARAB REP
43314	C	KOZHICODE	INDIA	94968	C	LAUNCESTONAIRPORT	AUSTRALIA
12566	C	KRAKOW	POLAND	07471	C	LE BUY	FRANCE
60514	C	KSAR CHELLALA	ALGERIA	78925	C	LE LAMENTIN	MARTINIQUE
48647	C	KUALA LUMPUR/SUBANG	MALAYSIA	78897	C	LE RAIZET,GAUDELOUPE	ST.MARTIN,ST.BARTH
48657	C	KUANTAN	MALAYSIA	07207	C	LE TALUT	FRANCE
96413	CT	KUCHING	MALAYSIA	12120	CT	LEBA	POLAND
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	KUUIJUAQ,QUE.	CANADA	83242	C	LENCOIS	BRAZIL
71905	C	KUUIJUARAPIK,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	91165	C	LIHUE, KAUAI, HAWAII	USA EP
08001	CT	LA CORUNA	SPAIN	07015	C	LILLE	FRANCE
71823	T	LA GRANDEIV,QUE.	CANADA	67586	C	LILONGWEINT'L AIRPORT	MALAWI
71827	C	LA GRANDERIVIERE, QUE	CANADA	84628	CT	LIMA-CALLAO/AEROPINTERNACI	PERU
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	08535	C	LISBOA/GEOF	PORTUGAL
87217	C	LA RIOJA AERO.	ARGENTINA	67743	C	LIVINGSTONE	ZAMBIA
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	LONGREACHAIRPORT	AUSTRALIA
60545	C	LAGHOUAT	ALGERIA	94995	CT	LORD HOWE ISLAND AERO	AUSTRALIA
41640	C	LAHORECITY	PAKISTAN	72295	C	LOS ANGELES/INT.,CA.	USA
08508	T	LAIJES/SANTARITA (ACORES)	PORTUGAL	64401	C	LOUBOMO	CONGO

# STATION LIST RECENT DATA

72423	C	LOUISVILLE/STANDIFORD.KY.	USA	71722	T	MANIWAKI,QUE.	CANADA
72267	C	LUBBOCK/LUBBOCKINTL, TX.	USA	03797	C	MANSTON	U KINGDOM
42369	T	LUCKNOW/AMAUSI	INDIA	76654	C	MANZANILLO,COL.	MEXICO
06770	C	LUGANO	SWITZERLAND	87774	C	MAQUINCHAO	ARGENTINA
16597	C	LUQA	MALTA	87692	C	MAR DEL PLATA AERO	ARGENTINA
06590	C	LUXEMBOURG/LUXEMBOURG	LUXEMBOURG	82562	C	MARABA	BRAZIL
03740	C	LYNEHAM	U KINGDOM	80407	C	MARACAIBO-LACHINITA	VENEZUELA
71078	C	LYNN LAKE, MAN.	CANADA	80413	C	MARACAY - B.A. SUCRE	VENEZUELA
60467	C	M'SILA	ALGERIA	61080	C	MARADI	NIGER
44294	C	MAANTI	MONGOLIA	87467	C	MARCOS JUAREZ AERO	ARGENTINA
82098	C	MACAPA	BRAZIL	16325	C	MARINA DI GINOSA	ITALY
43185	C	MACHILIPATNAM	INDIA	68994	CT	MARION ISLAND	SOUTH AFRICA
94367	C	MACKAY MO	AUSTRALIA	86068	C	MARISCAL ESTIGARRIBIA	PARAGUAY
72217	C	MACON/LEWIS B.WILSON,GA.	USA	60230	C	MARRAKECH	MOROCCO
94998	CT	MACQUARIE ISLAND	AUSTRALIA	61996	T	MARTIN DE VIVIES (ILE AMSTER	OCEAN ISLANDS
98646	C	MACTAN	PHILIPPINES	60506	C	MASCARA METMORE	ALGERIA
40430	CT	MADINAH	SAUDI ARABIA	40745	CT	MASHHAD	IRAN, ISLAMIC REP
72641	C	MADISON/DANECOUNTY REGIONAL	USA	41288	C	MASIRAH	OMAN
43279	CT	MADRAS/MINAMBAKKAM	INDIA	61630	C	MATAM	SENEGAL
08221	CT	MADRID/BARAJAS	SPAIN	47741	C	MATSUE	JAPAN
47624	C	MAEBASHI	JAPAN	47618	C	MATSUMOTO	JAPAN
40265	T	MAFRAQ	JORDAN	47887	C	MATSUYAMA	JAPAN
85114	C	MAGDALENA	BOLIVIA	80435	C	MATURIN	VENEZUELA
10361	C	MAGDEBURG	GERMANY	89564	CT	MAWSON	AUSTRALIA
60522	C	MAGHNA	ALGERIA	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	MAJURO/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	61250	C	MENAKA	MALI
03980	C	MALIN HEAD	IRELAND	87418	C	MENDOZA AERO	ARGENTINA
63799	C	MALINDI	KENYA	80425	C	MENE GRANDE	VENEZUELA
78741	C	MANAGUA A.C.SANDINO	NICARAGUA	56985	C	MENGZI	CHINA
82332	T	MANAUS (AEROPORTO)	BRAZIL	08314	C	MENORCA/MAHON	SPAIN
03334	C	MANCHESTER AIRPORT	U KINGDOM	97980	C	MERAUKE/MOPAH	INDONESIA
44341	C	MANDALGOVI	MONGOLIA	86490	C	MERCEDES	URUGUAY
43285	T	MANGALORE/PANAMBUR	INDIA	80438	C	MERIDA	VENEZUELA
65352	C	MANGO	TOGO	72234	C	MERIDIAN/KEY,MS.	USA
82533	C	MANICORE	BRAZIL	62306	CT	MERSA MATRUH	EGYPT

# STATION LIST RECENT DATA

17340	C	MERSIN	TURKEY	94821	CT	MOUNT GAMBIER AERO	AUSTRALIA
48674	C	MERSING	MALAYSIA	88889	T	MOUNT PLEASANT AIRPORT	UK FALKLAND ISLANDS
16420	C	MESSINA	ITALY	64402	C	MOUYONDZI	CONGO
76680	C	MEXICO (CENTRAL),D.F.	MEXICO	94332	CT	MT ISA AERO	AUSTRALIA
72202	C	MIAMI, FL.	USA	63971	C	MTWARA	U REP TANZANIA
60195	C	MIDELT	MOROCCO	10870	C	MUENCHEN,FLUGHAFEN	GERMANY
72265	C	MIDLAND/MIDLANDREG., TX.	USA	10868	T	MUENCHEN-OBERSCHLEISSHEIM	GERMANY
16080	T	MILANO/LINATE	ITALY	17292	C	MUGLA	TURKEY
94693	C	MILDURA AIRPORT	AUSTRALIA	42147	C	MUKTESHWARKUMAON	INDIA
11464	C	MILESOVKA	CZECH REP	41675	C	MULTAN	PAKISTAN
60430	C	MILIANA	ALGERIA	08430	T	MURCIA	SPAIN
72640	C	MILWAUKEE/GEN.MITCHELL, WI.	USA	08433	C	MURCIA/SAN JAVIER	SPAIN
47945	CT	MINAMIDAITOJIMA	JAPAN	44231	C	MUREN	MONGOLIA
47991	CT	MINAMITORISHIMA	JAPAN	22113	CT	MURMANSK	RUSSIAN FEDERATION
43369	CT	MINICOY	INDIA	47899	C	MUROTOMISAKI	JAPAN
72658	C	MINNEAPOLIS/ST.PAULINTL,MN.	USA	72636	C	MUSKEGON/COUNTY,MI.	USA
26850	C	MINSK	BELARUS	63756	C	MWANZA	U REP TANZANIA
29866	C	MINUSINSK	RUSSIAN FEDERATION	25173	C	MYS SHMIDTA	RUSSIAN FEDERATION
96449	C	MIRI	MALAYSIA ERATION	25399	C	MYS UELEN	RUSSIAN FEDERATION
89592	CT	MIRNYJ	USSR N	61049	C	N'GUIGMI	NIGER
72773	C	MISSOULA/JOHNSON-BELLF.,MT.	USA	60557	C	NAAMA	ALGERIA
47585	C	MIYAKO	JAPAN	47817	C	NAGASAKI	JAPAN
47927	C	MIYAKOJIMA	JAPAN	47636	C	NAGOYA	JAPAN
47830	C	MIYAZAKI	JAPAN	42867	CT	NAGPUR SONEGAON	INDIA
68242	C	MMABATHO	SOUTH AFRICA	47936	CT	NAHA	JAPAN
72223	C	MOBILE/BATESFIELD, AL.	USA	63741	T	NAIROBI/DAGORETTI	KENYA
30673	C	MOGOCA	RUSSIAN FEDERATION	63740	C	NAIROBI/KENYATTA AIRPORT	KENYA
47165	C	MOKPO	REP KOREA	41128	C	NAJIRAN	SAUDI ARABIA
72544	C	MOLINE/QUADCITY, IL.	USA	48431	C	NAKHONRATCHASIMA	THAILAND
76342	C	MONCLOVA,COAH.	MEXICO	48400	C	NAKHONSAWAN	THAILAND
67633	C	MONGU	ZAMBIA	67237	C	NAMPULA	MOZAMBIQUE
07560	C	MONT AIGOUAL	FRANCE	58606	C	NANCHANG	CHINA
07607	C	MONT-DE-MARSAN	FRANCE	07180	T	NANCY/ESSEY	FRANCE
87393	C	MONTE CASEROS AERO	ARGENTINA	91680	CT	NANDI	FIJI
78388	C	MONTEGO BAY/SANGSTER	JAMAICA	59431	C	NANNING	CHINA
76393	C	MONTERREY,N.L.	MEXICO	07222	C	NANTES	FRANCE
83437	C	MONTES CLAROS	BRAZIL	23205	CT	NAR'JAN-MAR	RUSSIAN FEDERATION
72226	C	MONTGOMERY/DANNELLYAL.	USA	61233	C	NARA	MALI
07643	C	MONTPELLIER	FRANCE	72327	CT	NASHVILLE/METROPOLITAN,TN.	USA
71836	T	MOOSONEE,ONT.	CANADA	78073	C	NASSAU AIRPORT	BAHAMAS
61265	C	MOPTI	MALI	82598	C	NATAL	BRAZIL
76665	C	MORELIA,MICH.	MEXICO	82599	T	NATAL (AEROPORTO)	BRAZIL
27612	CT	MOSKVA	RUSSIAN FEDERATION	71813	C	NATASHQUAN,QUE.	CANADA
60457	C	MOSTAGANEMVILLE	ALGERIA	65319	C	NATTINGOU	BENIN

# STATION LIST RECENT DATA

91683	C	NAUSORI	FIJI	44215	C	OMNO-GOBI	MONGOLIA
41749	C	NAWABSHAH	PAKISTAN	28698	CT	OMSK	RUSSIAN FEDERATION
47909	CT	NAZE	JAPAN	47598	C	ONAHAMA	JAPAN
80315	C	NEIVA/BENITOSALAS	COLOMBIA	91699	C	ONO-I-LAU	FIJI
47420	CT	NEMURO	JAPAN	87016	C	ORAN AERO	ARGENTINA
89002	CT	NEUMAYER	GERMANY	60461	C	ORAN PORT	ALGERIA
87715	C	NEUQUEN AERO	ARGENTINA	60490	C	ORAN/ES SENIA	ALGERIA
10270	C	NEURUPPIN	GERMANY	35121	CT	ORENBURG	RUSSIAN FEDERATION
42182	CT	NEW DELHI/SAFDARJUNG	INDIA	01241	CT	ORLAND	NORWAY
72231	C	NEW ORLEANS/MOISANTINT., LA	USA	72205	C	ORLANDO/JETPORT,FL.	USA
93309	C	NEW PLYMOUTHAWS	N ZEALAND	40712	C	ORUMIEH	IRAN, ISLAMIC REP
72503	C	NEW YORK/LA GUARDIA, NY.	USA	85242	C	ORURO	BOLIVIA
64870	C	NGAOUNDERE	CAMEROON	47772	C	OSAKA	JAPAN
61052	C	NIAMEY-AERO	NIGER	47122	T	OSAN AB	REP KOREA
07690	C	NICE	FRANCE	47675	C	OSHIMA	JAPAN
17250	C	NIGDE	TURKEY	01384	C	OSLO/GARDERMOEN	NORWAY
02942	C	NIINISALO	FINLAND	85782	C	OSORNO	CHILE
32618	C	NIKOL'SKOE	RUSSIAN FEDERATION	11782	C	OSTRAVA/MOSNOV	CZECH REP
31369	C	NIKOLAEVSK-NA-AMURE	RUSSIAN FEDERATION	20674	CT	OSTROV DIKSON	RUSSIAN FEDERATION
07645	T	NIMES/COURBESSAC	FRANCE	21432	C	OSTROV KOTEL'NYJ	RUSSIAN FEDERATION
98429	C	NINOY AQUINO INTER- NATIONAL	PHILIPPINES	20069	C	OSTROV VIZE	RUSSIAN FEDERATION
61230	C	NIORO DU SAHEL	MALI	65503	C	OUAGADOUGOU	BURKINA FASO
23724	C	NJAKSIMVOL'	RUSSIAN FEDERATION	65502	C	OUAHIGOUYA	BURKINAFASO
41710	C	NOKKUNDI	PAKISTAN	60580	C	OUARGLA	ALGERIA
70200	CT	NOME	USA	60265	C	OUARZAZATE	MOROCCO
94996	CT	NORFOLK ISLAND AERO	AUSTRALIA	64458	C	OUESSO	CONGO
72308	C	NORFOLK/INT., VA.	USA	60115	C	OIJDA	MOROCCO
72556	C	NORFOLK/KARLSTEFAN, NE.	USA	02875	C	OULU	FINLAND
71043	CT	NORMAN WELLS UA, N.W.T.	CANADA	60421	C	OUM EL BOUAGHI	ALGERIA
72340	C	NORTH LITTLE ROCK/MUNICIPAL	USA	08015	C	OVIEDO	SPAIN
72562	CT	NORTH PLATTE/LEEBIRD, NE.	USA	47663	C	OWASE	JAPAN
61415	C	NOUADHIBOU	MAURITANIA	91765	CT	PAGO PAGO/INT. AIRPORT	SAMOA
91592	CT	NOUMEA (NLLE-CALEDONIE)	N CALEDONIA	96109	C	PAKANBARU/SIMPANGTIGA	INDONESIA
89512	C	NOVOLAZAREVSKAJA	USSR	96221	C	PALEMBANG/TALANGBETUTU	INDONESIA
10763	C	NUERNBERG	GERMANY	08306	C	PALMA DE MALLORCA/SONSAN JU	SPAIN
04250	C	NUUK (GODTHAAB)	GREENLAND	80479	C	PALMICHAL	VENEZUELA
62790	C	NYALA	SUDAN	40061	C	PALMYRA	SYRIAN ARAB REP
33837	C	ODESA	UKRAINE	43363	C	PAMBAN	INDIA
31088	CT	OHOTSK	RUSSIAN FEDERATION	41739	C	PANJGUR	PAKISTAN
47815	C	OITA	JAPAN	41560	C	PARACHINAR	PAKISTAN
24688	C	OJMJAKON	RUSSIAN FEDERATION	65330	C	PARAKOU	BENIN
24125	CT	OLENEK	RUSSIAN FEDERATION	87374	C	PARANA AERO	ARGENTINA
72792	C	OLYMPIA, WA.	USA	93417	CT	PARAPARAUMUAERODROME	N ZEALAND
47655	C	OMAEZAKI	JAPAN	82287	C	PARNAIBA	BRAZIL

# STATION LIST RECENT DATA

41759	C	PASNI	PAKISTAN	83702	C	PONTA PORA	BRAZIL
87814	C	PASO DE INDIOS	ARGENTINA	43063	C	POONA	INDIA
87289	C	PASO DE LOS LIBRES AERO	ARGENTINA	11952	T	POPRAD-GANOVCE	SLOVAKIA
86460	C	PASO DE LOS TOROS	URUGUAY	11934	C	POPRAD/TATRY	SLOVAKIA
42492	T	PATNA	INDIA	80421	C	PORLAMAR (AEROPUERTOINT. DE	VENEZUELA
82791	C	PATOS	BRAZIL	43333	CT	PORT BLAIR	INDIA
06610	T	PAYERNE	SWITZERLAND	68842	CT	PORT ELIZABETH	SOUTH AFRICA
12942	C	PECS/POGANY	HUNGARY	71109	CT	PORT HARDY UA,B.C.	CANADA
86097	C	PEDRO JUAN CABALLERO	PARAGUAY	94312	CT	PORT HEDLAND AIRPORT	AUSTRALIA
87544	C	PEHUAJO AERO	ARGENTINA	62641	C	PORT SUDAN	SUDAN
48601	CT	PENANG/BAYANLEPAS	MALAYSIA	71197	C	PORT-AUX-BASQUES,NFLD.	CANADA
72688	C	PENDLETON,OR.	USA	61998	CT	PORT-AUX-FRANCAIS(ILES KERG	OCEAN ISLANDS
72532	C	PEORIA/GREATERPEORIA,IL.	USA	72698	C	PORTLAND/INT.,OR.	USA
80210	C	PEREIRA/MATECANA	COLOMBIA	72606	C	PORTLAND/INTNLJET PORT, ME	USA
87852	C	PERITO MORENO AERO	ARGENTINA	83967	C	PORTO ALEGRE	BRAZIL
07747	C	PERIGNAN	FRANCE	83971	T	PORTO ALEGRE (AERO- PORTO)	BRAZIL
94610	CT	PERTH AIRPORT	AUSTRALIA	83064	C	PORTO NACIONAL	BRAZIL
41530	C	PESHAWAR	PAKISTAN	82825	C	PORTO VELHO	BRAZIL
82983	C	PETROLINA	BRAZIL	08546	C	PORTO/SERRADO PILAR	PORTUGAL
32540	T	PETROPAVLOVSK-KAMCATSKIJ	RUSSIAN FEDERATION	87178	C	POSADAS AERO.	ARGENTINA
72408	C	PHILADELPHIA/INT.,PA.	USA	83332	C	POSSE	BRAZIL
48378	C	PHITSANULOK	THAILAND	10379	C	POTSDAM	GERMANY
72278	C	PHOENIX/SKY HARBOR INTL, AZ.	USA	12330	C	POZNAN	POLAND
78970	CT	PIARCO INT. AIRPORT, TRINIDAD	TRINIDAD AND TOBAGO	48500	C	PRACHUAP KHIRIKHAN	THAILAND
68174	C	PIETERSBURG	SOUTH AFRICA	11520	CT	PRAHA-LIBUS	CZECH REP
87679	C	PIGUE AERO	ARGENTINA	11518	C	PRAHA/RUZYNE	CZECH REP
86255	C	PILAR	PARAGUAY	16245	T	PRATICA DI MARE	ITALY
87349	C	PILAR OBSERVATORIO	ARGENTINA	86065	C	PRATS-GIL	PARAGUAY
16158	C	PISA/S. GIUSTO	ITALY	68262	C	PRETORIA	SOUTH AFRICA
84691	C	PISCO	PERU	11659	C	PRIBYSLAV	CZECH REP
72520	C	PITTSBURGH/GREATERPITT.,PA.	USA	11423	C	PRIMDA	CZECH REP
84401	C	PIURA	PERU	71869	C	PRINCE ALBERT,SASK.	CANADA
61990	C	PLAISANCE (MAURITIUS)	MAURITIUS	04390	C	PRINS CHRISTIAN SUND	GREENLAND
07117	C	PLOUMANACH	FRANCE	72507	C	PROVIDENCE/GREENSTATE, RI.	USA
65518	C	PO	BURKINA FASO	80002	C	PROVIDENCIA (ISLA)/EL EMBRUJ	COLOMBIA
72578	C	POCATELLO/NUM.,ID.	USA	84515	C	PUCALLPA	PERU
13463	C	PODGORICA-GRAD	YUGOSLAVIA	85574	C	PUDAHUEL	CHILE
61612	C	PODOR	SENEGAL	80457	C	PUERTO AYACUCHO	VENEZUELA
47138	CT	POHANG	REP KOREA	80139	C	PUERTO CARRENO/A.GUAUQUEA	COLOMBIA
64400	C	POINTE-NOIRE	CONGO	86086	C	PUERTO CASADO	PARAGUAY
07335	C	POITIERS	FRANCE	87896	C	PUERTO DESEADO AERO	ARGENTINA
91348	C	PONAPE, CAROLINE ISLANDS.	USA	78767	C	PUERTO LIMON	COSTA RICA
71095	C	POND INLET, N.W.T.	CANADA	85799	CT	PUERTO MONTT	CHILE
08513	C	PONTA DELGADA/(OBS.)	PORTUGAL	78458	C	PUERTO PLATA	DOMINICAN REP

# STATION LIST RECENT DATA

85289	C	PUERTO SUAREZ	BOLIVIA	06190	C	ROENNE	DENMARK & FAROE IS.
85934	CT	PUNTA ARENAS	CHILE	87480	C	ROSARIO AERO	ARGENTINA
87596	C	PUNTA INDIO B.A.	ARGENTINA	03957	C	ROSSLARE	IRELAND
47159	C	PUSAN	REP KOREA	10170	C	ROSTOCK-WARNEMUENDE	GERMANY
56137	C	QAMDO	CHINA	34731	T	ROSTOV-NA-DONU	RUSSIAN FEDERATION
54857	C	QINGDAO	CHINA	89062	C	ROTHERAPOINT	U KINGDOM N
50745	C	QIQIHAR	CHINA	91650	C	ROTUMA	FIJI
41660	C	QUETTA AIRPORT	PAKISTAN	07037	C	ROUEN	FRANCE
80144	C	QUIBDO/ELCARANO	COLOMBIA	51777	C	RUOQIANG	CHINA
72797	C	QUILLAYUTE,WA.	USA	85141	C	RURRENABAQUE	BOLIVIA
85543	C	QUINTERO	CHILE	71600	CT	SABLE ISLAND,N.S.	CANADA
82586	C	QUIXERAMOBIM	BRAZIL	72483	C	SACRAMENTO/EXECUTIVECA.	USA
60135	C	RABAT-SALE	MOROCCO	06680	C	SAENTIS	SWITZERLAND
40362	C	RAFHA	SAUDI ARABIA	42671	C	SAGAR	INDIA
72306	C	RALEIGH/RALEIGH-DURHAMNC.	USA	47740	C	SAIGO	JAPAN
93994	C	RAOUL ISLAND KERMADECIS.	N ZEALAND	44336	C	SAIKHAN-OVOO	MONGOLIA
91958	CT	RAPA	FRENCH POLY.	61980	C	SAINT-DENIS/GILLOT(REUNION)	OCEAN ISLANDS
72662	C	RAPID CITY/REGIONALAIRPORT,	USA	61600	C	SAINT-LOUIS	SENEGAL
91843	C	RAROTONGA	COOK ISLANDS	08594	T	SAL ISLAND	CAPE VERDE
22602	C	REBOLY	RUSSIAN FEDERATION	41316	CT	SALALAH	OMAN
82900	CT	RECIFE (CURADO)	BRAZIL	08202	C	SALAMANCA/MATACAN	SPAIN
87270	C	RECONQUISTAAERO	ARGENTINA	23330	CT	SALEHARD	RUSSIAN FEDERATION
07070	C	REIMS	FRANCE	72572	C	SALT LAKE CITY/INTL, UT.	USA
07130	C	RENNES	FRANCE	87047	C	SALTA AERO	ARGENTINA
72488	C	RENO/INT.,NV.	USA	76390	C	SALTILLO,COAH	MEXICO
87155	C	RESISTENCIA AERO.	ARGENTINA	86360	C	SALTO	URUGUAY
71924	CT	RESOLUTEUA, N.W.T.	CANADA	86210	C	SALTOS DEL GUAIRA	PARAGUAY
04030	C	REYKJAVIK	ICELAND	83229	CT	SALVADOR	BRAZIL
85043	C	RIBERALTA	BOLIVIA	11150	C	SALZBURG-FLUGHAFEN	AUSTRIA
72401	C	RICHMOND/BYRD,VA.	USA	35925	C	SAM	KAZAKHSTAN
91948	C	RIKITEA	FRENCH POLY.	17030	CT	SAMSUN	TURKEY
44203	C	RINCHINLHUMBE	MONGOLIA	61277	C	SAN	MALI
82915	C	RIO BRANCO	BRAZIL	80001	CT	SAN ANDRES (ISLA)/SESQUICENT	COLOMBIA
87453	C	RIO CUARTO AERO	ARGENTINA	72263	C	SAN ANGELO/MATHIS,TX.	USA
87925	C	RIO GALLEGOS AERO	ARGENTINA	80447	C	SAN ANTONIO DEL TACHIRA	VENEZUELA
80112	C	RIONEGRO/J.M.CORDOVA	COLOMBIA	87784	C	SAN ANTONIO OESTE AERO	ARGENTINA
40438	C	RIYADH	SAUDI ARABIA	72253	C	SAN ANTONIO/INT.,TX.	USA
72411	C	ROANOKE/MUN.,VA.	USA	72290	C	SAN DIEGO/LINDBERGH,CA.	USA
85268	C	ROBORE	BOLIVIA	80450	C	SAN FERNANDODE APURE	VENEZUELA
86565	C	ROCHA	URUGUAY	72494	C	SAN FRANCISCO/INTL,CA.	USA
72644	C	ROCHESTER/MUN.,MN.	USA	85207	C	SAN IGNACIO DE VELASCO	BOLIVIA
72529	C	ROCHESTER/R-MONROECTY., NY.	USA	85104	C	SAN JOAQUIN	BOLIVIA
94374	C	ROCKHAMPTON AERO	AUSTRALIA	85247	C	SAN JOSE DE CHIQUITOS	BOLIVIA
61988	C	RODRIGUES	MAURITIUS	87311	C	SAN JUAN AERO	ARGENTINA

# STATION LIST RECENT DATA

86260	C	SAN JUAN BAUTISTA MISIONES	PARAGUAY	61976	C	SERGE-FROLOW(ILE TROMELIN)	OCEAN ISLANDS
80431	C	SAN JUAN DE LOS MORROS	VENEZUELA	08391	C	SEVILLA/SAN PABLO	SPAIN
78526	C	SAN JUAN/INTL, PUERTO RICO	PUERTO RICO AND US	63985	T	SEYCHELLESINT. AIRPORT	SEYCHELLES
87909	C	SAN JULIAN AERO	ARGENTINA	58362	CT	SHANGHAI	CHINA
87436	C	SAN LUIS AERO	ARGENTINA	03962	C	SHANNON AIRPORT	IRELAND
86185	C	SAN PEDRO	PARAGUAY	59316	C	SHANTOU	CHINA
87509	C	SAN RAFAEL AERO	ARGENTINA	41136	C	SHARURAH	SAUDI ARABIA
08027	C	SAN SEBASTIAN/IGUELDO	SPAIN	70414	T	SHEMYA AFB	USA
96491	C	SANDAKAN	MALAYSIA	54342	C	SHENYANG	CHINA
71101	C	SANDSPIT,B.C.	CANADA	72666	C	SHERIDAN/COUNTY,WY.	USA
17270	C	SANLIURFA	TURKEY	47898	C	SHIMIZU	JAPAN
85123	C	SANTA ANA	BOLIVIA	47778	CT	SHIONOMISAKI	JAPAN
60020	C	SANTA CRUZ DE TENE- RIFE, CM	SPAIN	40848	C	SHIRAZ	IRAN, ISLAMIC REP
85245	C	SANTA CRUZ/EL TROMPILLO	BOLIVIA	72248	C	SHREVEPORT/REG.,LA.	USA
80462	C	SANTA ELENA DE UAIREN	VENEZUELA	41600	C	SIALKOT	PAKISTAN
08515	C	SANTA MARIA (ACORES)	PORTUGAL	26524	C	SIAULIAI	LITHUANIA
80009	C	SANTA MARTA/SIMON BOLIVAR	COLOMBIA	64405	C	SIBITI	CONGO
87623	CT	SANTA ROSA AERO	ARGENTINA	15260	C	SIBIU	ROMANIA
08023	CT	SANTANDER	SPAIN	96073	C	SIBOLGA/PINANGSORI	INDONESIA
87129	C	SANTIAGO DEL ESTERO AERO.	ARGENTINA	96421	C	SIBU	MALAYSIA
85577	C	SANTIAGO QUINTA NORMAL	CHILE	60520	C	SIDI BEL ABBES	ALGERIA
78486	C	SANTO DOMINGO	DOMINICAN REP	17210	C	SIIRT	TURKEY
82106	C	SAO GABRIEL DA CACHOEIRA	BRAZIL	61297	C	SIKASSO	MALI
82280	C	SAO LUIZ	BRAZIL	42619	C	SILCHAR	INDIA
83781	C	SAO PAULO	BRAZIL	33946	C	SIMFEROPOL'	UKRAINE
47412	CT	SAPPORO	JAPAN	48698	CT	SINGAPORE/CHANGIAIRPORT	SINGAPORE
34172	C	SARATOV	RUSSIAN FEDERATION	72557	C	SIOUX CITY/MUN.,IA.	USA
41594	C	SARGODHA	PAKISTAN	72651	C	SIOUX FALLS/FOSS FIELD, SD.	USA
65599	C	SASSANDRA	COTE D'IVOIRE	71842	C	SIOUX LOOKOUT,ONT.	CANADA
72734	C	SAULT STE. MARIE, MI.	USA	17090	C	SIVAS	TURKEY
72207	C	SAVANNAH/MUNICIPAL,GA.	USA	71069	C	SLAVE LAKE, ALTA	CANADA
65335	C	SAVE	BENIN	11903	C	SLIAC	SLOVAKIA
71828	C	SCHEFFERVILLE,QUE.	CANADA	71950	C	SMITHERS,B.C.	CANADA
10035	CT	SCHLESWIG	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	CT	SEEB, INTERNATIONALAIRPORT	OMAN	48568	C	SONGKHLA	THAILAND
61272	C	SEGOU	MALI	11146	C	SONNBLICK	AUSTRIA
25703	CT	SEJMCHAN	RUSSIAN FEDERATION	16746	C	SOUDA (AIRPORT)	GREECE
36177	C	SEMPALATINSK	KAZAKHSTAN	60423	C	SOUK AHRAS	ALGERIA
62762	C	SENNAR	SUDAN	72535	C	SOUTH BEND/ST.JOSEPHCO.,IN.	USA
47108	C	SEOUL	REP KOREA	72785	C	SPOKANE/INT.,WA.	USA
71811	T	SEPT-ILES UA,QUE.	CANADA	68512	CT	SPRINGBOK	SOUTH AFRICA

# STATION LIST RECENT DATA

72439	C	SPRINGFIELD/CAPITAL,IL.	USA	41036	C	TAIF	SAUDI ARABIA
42027	CT	SRINAGAR	INDIA	45011	C	TAIPA	MACAU
61986	C	ST. BRANDON (ST. RAPHAEL)	MAURITIUS	53772	C	TAIYUAN	CHINA
61901	CT	ST. HELENA IS.	OCEAN ISLANDS	47891	C	TAKAMATSU	JAPAN
72434	C	ST. LOUIS/LAMBERT,ST., MO.	USA	91943	C	TAKAROA	FRENCH POLY.
70308	C	ST. PAUL	USA	72214	C	TALLAHASSEE/MUN.,FL.	USA
26063	CT	ST. PETERBURG	RUSSIAN FEDERATION	26038	C	TALLINN	ESTONIA
11028	C	ST. POELTEN	AUSTRIA	60680	CT	TAMANRASSET	ALGERIA
71801	T	ST.JOHN'S UA,NLFD	CANADA	67095	C	TAMATAVE	MADAGASCAR
83997	C	ST.VITORIADO PALMAR	BRAZIL	61687	C	TAMBACOUNDA	SENEGAL
04312	C	STATIONNORD AWS	GREENLAND	38413	C	TAMDY	UZBEKISTAN
01415	CT	STAVANGER/SOLA	NORWAY	72211	C	TAMPA/INT.,FL.	USA
71815	T	STEPHENVILLEUA,NFLD	CANADA	76548	C	TAMPICO, TAMPS	MEXICO
72403	T	STERLING, VA.	USA	87645	C	TANDIL AERO	ARGENTINA
80475	C	STO.DOMINGO(B.A.)	VENEZUELA	47837	C	TANEGASHIMA	JAPAN
03026	C	STORNOWAY	U KINGDOM	60101	C	TANGER(AERODROME)	MOROCCO
07190	C	STRASBOURG	FRANCE	76903	C	TAPACHULA,CHIS.	MEXICO
10738	C	STUTTGART-ECHTERDINGEN	GERMANY	84455	C	TARAPOTO	PERU
10739	T	STUTTGART/SCHNARRENBERG	GERMANY	44230	C	TARIALAN	MONGOLIA
85283	C	SUCRE	BOLIVIA	23552	C	TARKO-SALE	RUSSIAN FEDERATION
15360	C	SULINA	ROMANIA	26242	C	TARTU	ESTONIA
02365	T	SUNDSVALL-HARNOSANDFPL	SWEDEN	38457	C	TASHKENT	UZBEKISTAN
24738	C	SUNTAR	RUSSIAN FEDERATION	04360	C	TASIILAQ (AMASSALIK)	GREENLAND
41268	C	SUR	OMAN	47646	T	TATENO	JAPAN
98653	C	SURIGAO	PHILIPPINES	96481	CT	TAWAU	MALAYSIA
47421	C	SUTTSU	JAPAN	40754	C	TEHRAN-MEHRABAD	IRAN, ISLAMIC REP
01008	C	SVALBARDLUFTHAVN	NORWAY	85743	C	TEMUCO	CHILE
94767	C	SYDNEY AIRPORT	AUSTRALIA	60410	C	TENES	ALGERIA
23804	CT	SYKTYVKAR	RUSSIAN FEDERATION	56739	C	TENGCHONG	CHINA
89532	CT	SYOWA	JAPAN N	94238	C	TENNANTCREEK MET OFFICE	AUSTRALIA
72519	C	SYRACUSE/HANCOCK,NY.	USA	83492	C	TEOFILO OTONI	BRAZIL
12205	C	SZCZECIN	POLAND	76556	C	TEPIC,NAY	MEXICO
12982	CT	SZEGED	HUNGARY	82578	C	TERESINA	BRAZIL
63832	C	TABORA AIRPORT	U REP TANZANIA	61202	C	TESSALIT	MALI
65592	C	TABOU	COTE D'IVOIRE	60318	C	TETUAN/SANIARAMEL	MOROCCO
40706	C	TABRIZ	IRAN, ISLAMIC REP	71867	CT	THE PAS, MAN.	CANADA
40375	CT	TABUK	SAUDI ARABIA	16622	C	THESSALONIKI/MIKRA	GREECE
98550	C	TACLOBAN	PHILIPPINES	43371	CT	THIRUVANANTHAPURAM	INDIA
84782	C	TACNA	PERU	71079	C	THOMPSON WEATHER OFFICE-MAN.	CANADA
47133	C	TAEJON	REP KOREA	06011	CT	THORSHAVN	DENMARK & FAROE IS.
98644	C	TAGBILARAN	PHILIPPINES	41314	C	THUMRAIT	OMAN
83235	C	TAGUATINGA	BRAZIL	61036	C	TILLABERY	NIGER
91938	CT	TAHITI-FAAA	FRENCH POLY.	81002	C	TIMEHRI CHEDDI JAGAN INTERNA	GUYANA
61043	C	TAHOUA	NIGER	60607	C	TIMIMOUN	ALGERIA



# STATION LIST RECENT DATA

15247	C	TIMISOARA	ROMANIA	48407	T	UBON RATCHATHANI	THAILAND
02366	C	TIMRA/MIDLANDA	SWEDEN	06447	CT	UCCLE	BELGIUM
60656	C	TINDOUF	ALGERIA	16045	C	UDINE/RIVOLTO	ITALY
03100	C	TIREE	U KINGDOM	48354	C	UDON THANI	THAILAND
60395	C	TIZI-OUZOU	ALGERIA	44214	C	UIGI	MONGOLIA
60531	C	TLEMCEN(ZENATA)	ALGERIA	44292	C	ULAAN-BAATOR	MONGOLIA
28275	C	TOBOL'SK	RUSSIAN FEDERATION	44212	C	ULAAN-GOM	MONGOLIA
47662	C	TOKYO	JAPAN	44272	C	ULIASTAI	MONGOLIA
72536	C	TOLEDO/EXPRESS,OH.	USA	47115	C	ULLUNGDO	REP KOREA
76675	C	TOLUCA,MEX	MEXICO	44304	C	UNDERKHAAN	MONGOLIA
61223	C	TOMBOUCTOU	MALI	76225	C	UNIV. DE CHIHUAHUA,CHIHUAHU	MEXICO
76382	C	TORREON,COAH.	MEXICO	68424	C	UPINGTON	SOUTH AFRICA
08238	C	TORTOSA	SPAIN	47426	C	URAKAWA	JAPAN
44225	C	TOSONTSENGEL	MONGOLIA	51463	CT	URUMQI	CHINA
07630	C	TOULOUSE/BLAGNAC	FRANCE	17188	C	USAK	TURKEY
94294	CT	TOWNSVILLEAERO	AUSTRALIA	87938	C	USHUAIA AERO	ARGENTINA
16429	C	TRAPANI/BIRGI	ITALY	30635	C	UST'-BARGUZIN	RUSSIAN FEDERATION
86500	C	TREINTA Y TRES	URUGUAY	25325	C	UST'-OLOJ	RUSSIAN FEDERATION
87828	C	TRELEW AERO	ARGENTINA	61995	T	VACOAS(MAURITIUS)	MAURITIUS
83618	C	TRES LAGOAS	BRAZIL	85766	C	VALDIVIA	CHILE
10609	C	TRIER-PETRISBERG	GERMANY	80472	C	VALENCIA	VENEZUELA
43418	C	TRINCOMALEE	SRI LANKA	08284	C	VALENCIA/AEROPUERTO	SPAIN
83650	T	TRINDADE(ILHA)	BRAZIL	03953	CT	VALENTIAOBSERVATORY	IRELAND
85154	C	TRINIDAD	BOLIVIA	80426	C	VALERA	VENEZUELA
40103	C	TRIPOLI	LEBANON	08141	C	VALLADOLID	SPAIN
01025	C	TROMSO/LANGNES	NORWAY	80434	C	VALLE DE LA PASCUA	VENEZUELA
84501	C	TRUJILLO	PERU	03302	C	VALLEY	U KINGDOM
91334	C	TRUK, CAROLINEIS.	USA	17170	C	VAN	TURKEY
44282	C	TSETSERLEG	MONGOLIA	01098	C	VARDO	NORWAY
44347	C	TSOGT-OVOO	MONGOLIA	15552	C	VARNA	BULGARIA
91954	C	TUBUAI	FRENCH POLY.	26477	C	VELIKIELUKI	RUSSIAN FEDERATION
72274	C	TUCSON/INT.,AZ.	USA	83264	C	VERA (GLEBA CELESTE)	BRAZIL
87121	C	TUCUMAN AERO	ARGENTINA	42909	C	VERAVAL	INDIA
98233	C	TUGUEGARAO	PHILIPPINES	24266	CT	VERHOJANSK	RUSSIAN FEDERATION
76634	C	TULANCINGO,HGO.	MEXICO	89063	C	VERNADSKY	UKRAINEN
67161	C	TULEAR	MADAGASCAR	16090	C	VERONA/VILLAFRANCA	ITALY
84370	C	TUMBES	PERU	72255	C	VICTORIA/VICTORIAREG., TX.	USA
80453	C	TUMEREMO	VENEZUELA	87791	C	VIEDMA AERO	ARGENTINA
60715	CT	TUNIS-CARTHAGE	TUNISIA	08045	C	VIGO/PEINADOR	SPAIN
24507	CT	TURA	RUSSIAN FEDERATION	83208	T	VILHENA(AEROPORTO)	BRAZIL
40356	C	TURAIIF	SAUDI ARABIA	24641	C	VILJUSK	RUSSIAN FEDERATION
38507	C	TURKMENBASHI	TURKMENISTAN	60096	C	VILLA CISNEROS	WESTERN SAHARA
02972	C	TURKU	FINLAND	87244	C	VILLA DE MARIA DEL RIO SECO	ARGENTINA
23472	CT	TURUHANSK	RUSSIAN FEDERATION	87328	C	VILLA DOLORES AERO	ARGENTINA

# STATION LIST RECENT DATA

87448	C	VILLA REYNOLDS AERO	ARGENTINA	71603	CT	YARMOUTH,N.S.	CANADA
11212	C	VILLACHERALPE	AUSTRIA	40439	C	YENBO	SAUDI ARABIA
76743	C	VILLAHERMOSA,TAB	MEXICO	57461	C	YICHANG	CHINA
86233	C	VILLARRICA	PARAGUAY	53614	C	YINCHUAN	CHINA
80234	C	VILLAVICENCIO/VANGUARDIA	COLOMBIA	51431	C	YINING	CHINA
26730	C	VILNIUS	LITHUANIA	47744	T	YONAGO	JAPAN
02590	C	VISBY FLYGPLATS	SWEDEN	47168	C	YOSU	REP KOREA
43149	C	VISHAKHAPATNAM	INDIA	72525	C	YOUNGSTOWN,OH.	USA
83648	C	VITORIA	BRAZIL	84425	C	YURIMAGUAS	PERU
83344	C	VITORIA DA CONQUISTA	BRAZIL	98836	C	ZAMBOANGA	PHILIPPINES
31960	C	VLADIVOSTOK	RUSSIAN FEDERATION	44358	C	ZAMYN-UUD	MONGOLIA
27037	CT	VOLOGDA	RUSSIAN FEDERATION	08160	C	ZARAGOZA/AEROPUERTO	SPAIN
22837	C	VYTEGRA	RUSSIAN FEDERATION	57083	C	ZHENGZHOU	CHINA
72256	C	WACO,MADISON-COOPER,TX.	USA	57745	C	ZHIJIANG	CHINA
62751	C	WAD MEDANI	SUDAN	41620	C	ZHOB	PAKISTAN
03377	C	WADDINGTON	U KINGDOM	61695	C	ZIGUINCHOR	SENEGAL
41061	C	WADI AL DAWASSER AIRPORT	SAUDI ARABIA	61090	C	ZINDER	NIGER
62600	C	WADI HALFA	SUDAN	17022	C	ZONGULDAK	TURKEY
94910	CT	WAGGA AIRPORT	AUSTRALIA	10961	C	ZUGSPITZE	GERMANY
47600	CT	WAJIMA	JAPAN	06660	C	ZURICH (TOWN/VILLE).	SWITZERLAND
47401	CT	WAKKANAI	JAPAN	25400	C	ZYRJANKA	RUSSIAN FEDERATION
12375	C	WARSZAWA-OKECIE	POLAND				
72405	C	WASHINGTON/NAT.,VA.	USA				
40400	C	WEJH	SAUDI ARABIA				
72203	C	WEST PALM BEACH/INT.,FL.	USA				
10055	CT	WESTERMARKELSDORF	GERMANY				
71964	CT	WHITEHORSE,UA, Y.T.	CANADA				
72351	C	WICHITA FALLS/SHEPS AFB TX	USA				
11035	CT	WIEN/HOHEWART	AUSTRIA				
72513	C	WILKES-BARRE-SCRANTONPA.	USA				
94776	CT	WILLIAMTOWN AERODROME	AUSTRALIA				
94299	CT	WILLIS ISLAND	AUSTRALIA				
72767	C	WILLISTON/SLOULINFIELD, ND.	USA				
72583	C	WINNEMUCCA/MUN.,NV.	USA				
12497	C	WLODAWA	POLAND				
12425	T	WROCLAW I	POLAND				
12424	C	WROCLAW II	POLAND				
57036	C	XI'AN	CHINA				
56571	C	XICHANG	CHINA				
85365	C	YACUIBA	BOLIVIA				
72781	C	YAKIMA/YAKIMA AIR TERM.,WA.	USA				
70361	CT	YAKUTAT	USA				
54292	C	YANJI	CHINA				
91413	C	YAP, CAROLINE IS.	USA				

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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.

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