

AUGUST 1999

VOL. 52 NO. 8



ISSN 0027-0296

MONTHLY
CLIMATIC
DATA
FOR THE WORLD

PREPARED IN COOPERATION WITH THE
WORLD METEOROLOGICAL ORGANIZATION

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

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

Director
National Climatic Data Center

noaa

National
Oceanic and
Atmospheric Administration

National
Environmental Satellite, Data
and Information Service

National
Climatic Data Center
Asheville, North Carolina

PREFACE

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

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.

The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Climatic Data Center, Asheville, North Carolina, USA.

PUBLICATION STAFF

William Angel, Meteorologist

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

**NATIONAL CLIMATIC DATA CENTER
151 PATTON AVENUE, ROOM 120
ASHEVILLE, NORTH CAROLINA, USA 28801-5001**

SURFACE

AUGUST 1999

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb		mm	mm		hr	
EUROPE																
NORWAY																
01001	JAN MAYEN	7056N	00840W	9	1011.9	1013.1	5.4	.5	8.0	.3	11	54	-7	3		
01008	SVALBARD LUFTHAVN	7815N	01528E	29	1009.1	1012.6	4.9	.1	6.8	-.2	5	16	-7	3		
01025	TROMSO/LANGNES	6941N	01855E	10	1010.2	1011.3	9.2	-1.7	10.1	-1.1	17	151	72	5	110	65
01028	BJORNOYA	7431N	01901E	16	1009.2	1011.2	4.5	.1	7.9	.1	8	26	-10	3		
01098	VARDO	7022N	03106E	15	1008.0	1009.8	9.0	-.1	10.5	.4	13	142	87	6		
01152	BODO VI	6715N	01422E	20	1010.9	1012.5	11.1	-1.2	10.6	-.7	16	72	-16	3	152	91
01241	ORLAND III	6342N	00936E	7	1012.3	1013.4	12.3	-.6	11.3	-1.1	9	81	-5	3		
01317	BERGEN/FLORIDA	6023N	00520E	36	1007.7	1012.0	15.5	1.1	13.8	1.5	9	102	-88	1		
01384	OSLO/GARDERMOEN	6012N	01105E	204	988.2	1012.2	14.7	.8	11.1	-.2	5	55	-35	2		
01415	STAVANGER/SOLA	5853N	00538E	9	1011.0	1011.9	15.3	.9	12.9	.0	8	71	-44	2		
SWEDEN																
02080	KARESUANDO	6826N	02230E	325	970.9	1010.6	8.5	-1.9	7.8	-2.4	10	114	51	5	138	87
02128	GUNNARN	6458N	01742E	281	978.4	1012.1	11.1	-1.1	8.5	-2.1	6	47	-20	2		
02196	HAPARANDA	6550N	02409E	6	1010.0	1010.7	11.9	-1.3	10.3	-1.9	8	79	14	4	223	105
02226	FROSON	6312N	01430E	360	968.5	1012.9	11.7	-.6	10.1	-.6	7	67	7	3	249	133
02366	TIMRA/MIDLANDA	6231N	01727E	7	1011.5	1011.9	13.3	-.7	12.2	.0	8	79	12	4		
02418	KARLSTAD FLYGPLATS	5922N	01328E	50	999.6	1012.2	14.8	-.1	13.4	.3	7	65	-8	3	261	116
02512	GOTEBORG/SAVE	5747N	01153E	16	1009.2	1011.6	15.8	.2	15.0	1.2	11	58	-19	3	213	97
02550	JONKOPING/AXAMO	5745N	01405E	218	985.2	1011.7	14.4	.3	12.6	.3	14	116	53	5		
02590	VISBY FLYGPLATS	5740N	01821E	41	1005.8	1011.8	16.4	.5	14.0	-.6	9	35	-15	2	248	103
FINLAND																
02801	KILPISJARVI	6903N	02047E	476	952.4	1011.4	7.1		8.3		9	46		3		
02805	KEVO	6945N	02702E	101	997.7	1010.2	8.5		9.9		19	161		6	70	45
02836	SODANKYLA	6722N	02639E	179	988.0	1010.4	9.6	-1.6	9.0		6	35	-28	1	177	98
02869	KUUSAMO	6558N	02911E	263	978.0	1010.6	9.9	-1.5	9.4		7	47	-28	1		
02875	OULU	6456N	02522E	15	1009.0	1010.8	12.5	-1.2	10.7		11	68	3	3	285	140
02897	KAJAANI	6417N	02741E	136	994.3	1010.8	12.1	-1.0	9.7		7	39	-50	1		
02929	JOENSUU	6240N	02938E	117	996.4	1011.0	13.4	-.6	11.0		7	32	-52	0	237	121
02935	JYVASKYLA	6224N	02541E	145	992.9	1011.0	13.0	-.6	10.6		8	24	-67	1	209	107
02942	NIINISALO	6151N	02228E	136	996.6	1011.7	13.2	-.6	12.1		10	65	-15	2		
02963	JOKIOINEN	6049N	02330E	103	998.7	1011.5	14.1	-.1	10.2		9	55	-28	2	247	122
02972	TURKU	6031N	02216E	59	1004.3	1011.7	15.7	.5	10.9		8	75	-9	3	276	125
02974	HELSINKI-VANTAA	6019N	02458E	56	1004.4	1011.5	15.4	.4	11.7		8	66	-14	3	238	107
UNITED KINGDOM																
03005	LERWICK	6008N	00111W	84	1003.7	1013.6	12.1	.3	11.5		9	74	-5	3	155	125
03026	STORNOWAY	5813N	00619W	13	1010.7	1012.5	13.6	.9	12.3		8	55	-29	2	194	147
03066	KINLOSS	5739N	00334W	7	1012.4	1013.0	14.0	.0	11.8		8	28	-43	1	154	115
03091	ABERDEEN/DYCE AIRPORT	5712N	00213W	65	1005.4	1013.2	13.6	.0	13.1		6	35	-40	1	156	103
03100	TREE	5630N	00653W	12	1010.7	1012.1	14.0	.6	13.1		11	78	-17	3	197	126
03160	EDINBURGH AIRPORT	5557N	00321W	41	1008.7	1012.9	13.9	-.4	12.3		9	38	-27	2	141	98
03162	ESKDALEMUIR	5519N	00312W	242	984.0	1012.9	13.3	.4	12.3		11	73	-52	2	132	99
03257	LEEMING	5418N	00132W	40	1008.9	1012.7	15.5	.2	13.3		11	68	3	4	145	92

SURFACE

AUGUST 1999

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
							°C	°C	mb	mb	mm	mm	hr			
03302 VALLEY	5315N	00432W	11		1010.7	1011.9	15.8	.4	15.1		13	86	12	4	160	86
03334 MANCHESTER AIRPORT	5321N	00217W	68		1004.3	1012.5	16.5	.8	13.7		13	68	-11	2	141	87
03377 WADDINGTON	5310N	00031W	68		1004.6	1012.7	16.3	.6	13.7		13	75	12	4	149	85
03502 ABERPORTH	5208N	00434W	133		996.3	1012.1	15.7	.8	14.3		12	127	63	5	191	110
03740 LYNEHAM	5130N	00159W	145		995.6	1012.7	16.4	.7	14.4		14	134	75	6	172	93
03797 MANSTON	5121N	00121E	55		1007.7	1012.9	17.8	1.0	15.0		8	75	29	5	223	107
03808 CAMBORNE	5013N	00519W	88		1001.9	1012.2	16.4		15.9		15	104		4	192	95
03862 BOURNEMOUTH AIRPORT	5047N	00150W	11		1011.7	1012.9	16.8	.7	15.9		13	101	45	5	195	98
03917 BELFAST/ALDERGROVE AIRPORT	5439N	00613W	81		1003.8	1011.9	15.0	.6	13.5		14	73	-7	2	132	95
IRELAND																
03953 VALENTIA OBSERVATORY	5156N	01015W	14		1007.5	1011.0	15.8	.8	15.0	.4	22	167	56	5	133	95
03955 CORK AIRPORT	5151N	00829W	162		991.8	1011.1	15.3	1.0	15.0	1.1	18	200	110	5	122	75
03957 ROSSLARE	5215N	00620W	25		1008.6	1011.6	16.0	1.1	15.3	.8	12	87	16	4	193	105
03962 SHANNON AIRPORT	5242N	00855W	20		1008.6	1010.9	16.7	1.4	14.8	.6	15	61	-21	2	116	80
03967 CASEMENT AERODROME	5318N	00626W	93		1000.5	1011.6	14.9		14.1		13	91			142	95
03969 DUBLIN AIRPORT	5326N	00615W	85		1001.8	1011.9	14.6	-1.1	13.7	.1	14	107	36	5	155	95
03973 CONNAUGHT AIRPORT	5345N	00849W	209		986.5	1011.4	14.3		13.6		17	133			119	
03976 BELMULLET	5414N	01000W	10		1010.0	1011.2	15.7	1.4	14.8	.8	16	126	32	5	142	95
03980 MALIN HEAD	5522N	00720W	25		1008.9	1011.9	14.6	.7	13.9	.4	12	63	-29	2	149	110
ICELAND																
04018 KEFLAVIKURFLUGVOLLUR	6358N	02236W	54		1007.0	1013.0	11.2		11.3		11	65		1		
04030 REYKJAVIK	6408N	02156W	61		1005.6	1013.0	11.3	1.0	11.2	1.1	14	65	4	2	137	89
04063 AKUREYRI	6541N	01805W	27		1009.3	1012.6	11.6	1.6	10.1	.4	6	28	-6	1	143	106
04082 AKURNES	6418N	01513W	21		1011.0	1013.5	10.2		10.7		10	42		6		
GREENLAND																
04210 UPERNAVIK	7247N	05610W	122			1008.0	5.2		6.5							
04220 AASIAAT (EGEDESMINDE)	6842N	05251W	41			1008.0	6.1	.8	8.0		9	51	18			
04250 NUUK (GODTHAAB)	6410N	05145W	70			1007.7	6.8	.7	8.6		12	227	138			
04312 STATION NORD AWS	8136N	01641W	36			1010.0	.5	-1.6	5.2		10	71				
04320 DANMARKSHAVN	7646N	01840W	12			1013.7	1.1	-1.3	5.7		4	11	-4			
04339 ILLOQQORTOORMIUT (SCORESBYSU)	7029N	02157W	69			1013.3	3.4		6.5		5	15	-23			
04360 TASIILAQ (AMASSALIK)	6536N	03738W	52			1012.2	6.0	.0	8.2		8	124	58			
04390 PRINS CHRISTIAN SUND	6003N	04310W	75			1008.8	5.6	-0.9	7.6		15	194	14			
DENMARK & FAROE IS.																
06011 THORSHAVN	6201N	00646W	55			1013.5	10.3	-0.3	10.9		11	73	-15		89	90
06030 AALBORG	5706N	00951E	13			1011.6	15.8	.3	14.3		9	70				
06186 KOEBENHAVN/LANDBOHOEJSKOLEN	5541N	01233E	7			1012.1	17.4		15.3		12	118			275	115
06190 ROENNE	5504N	01445E	16			1012.5	17.7	.5	16.9		9	68				
NETHERLANDS																
06235 DE KOOY	5255N	00447E	14		1012.5	1012.6	17.7	1.1	16.1	.8	13	113	48	5	186	93
06260 DE BILT	5206N	00511E	15		1012.7	1013.0	17.5	.8	15.2	.2	10	94	23	5	166	90
BELGIUM																
06447 UCCLLE	5048N	00421E	104		1001.5	1013.4	18.1	1.1	15.4	.2	10	91	29	5	177	97

SURFACE

AUGUST 1999

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	
LUXEMBOURG																
06590 LUXEMBOURG/LUXEMBOURG	4937N	00613E	379		970.6	1014.3	17.7		13.4		11	73	1	3	215	103
SWITZERLAND																
06660 ZURICH (TOWN/VILLE).	4723N	00834E	569		949.6	1014.5	17.9	1.2	16.1	1.4	17	135	0	4	163	85
06680 SAENTIS	4715N	00921E	2500		754.3	3109 Z	5.9	.9	8.3	1.4		296	-37	2	115	70
06700 GENEVE-COINTRIN	4615N	00608E	416		966.7	1014.2	19.9	1.8	16.2	2.4	12	123	45	5	212	94
06770 LUGANO	4600N	00858E	276		982.1	1013.8	21.1	.9	19.7	2.9	15	301	128	5	184	80
FRANCE																
07110 BREST	4827N	00425W	99		1002.0	1013.1	17.1	1.1	16.8		17	161	102	2	128	62
SPAIN																
08001 LA CORUNA	4322N	00825W	67		1006.3	1014.2	20.7	1.9	17.8	.6	6	49	21	5	260	111
08003 MONTEFARO	4327N	00817W	244		987.2	1015.1	18.7		12.8		5	49			243	
08015 OVIEDO	4321N	00552W	339		974.6	1013.4	19.8	1.4	17.6	.8	6	17	-32	1	175	102
08023 SANTANDER	4328N	00349W	65		1008.1	1015.0	20.7	1.1	20.2	2.4	6	35	-48	2	206	105
08027 SAN SEBASTIAN/IGUELDO	4318N	00203W	259		983.9	1013.7	20.3	1.6	20.0	1.9	9	66	-49	1	212	116
08045 VIGO/PEINADOR	4213N	00838W	255		985.8	1015.7	19.3	.4	17.8	1.3	7	94	63	6	286	102
08075 BURGOS/VILLAFRIA	4222N	00338W	891		914.5	1519 Y	19.9	1.6	13.6	-2.5	5	20	-4	3	272	91
08084 LOGRONO/AGONCILLO	4227N	00220W	363		971.8	1012.7	23.0	1.2	16.9	2.1	1	3	-18	1	292	102
08141 VALLADOLID	4139N	00446W	739		930.0	1011.0	22.1	1.1	14.4	3.3	6	31	18	5	319	94
08160 ZARAGOZA/AEROPUERTO	4140N	00101W	258		982.2	1011.2	25.8	2.0	16.0	-2.1	1	20	4	4	294	92
08181 BARCELONA/AEROPUERTO	4117N	00204E	6		1012.7	1013.2	25.8	2.8	23.9	2.6	3	5	-61	1	272	101
08184 GERONA/COSTA BRAVA	4154N	00246E	129		999.2	1013.8	24.2	1.5	21.7	2.5	2	21	-33	2	287	115
08202 SALAMANCA/MATACAN	4057N	00530W	795		924.9	1012 Y	20.7	.4	13.7	.5	2	7	-3	3	317	93
08221 MADRID/BARAJAS	4027N	00333W	582		946.5	1010.6	24.8	1.0	10.9	-2.4	1	1	-8	3	351	105
08238 TORTOSA	4049N	00030E	50		1006.3	1012.1	27.5	2.2	23.5	3.0	2	8	-28	2	273	100
08261 CACERES	3928N	00620W	405		968.4	1013.6	25.6	.0	14.3	2.5	1	10	5	4	352	105
08280 ALBACETE/LOS LLANOS	3857N	00151W	704		930.1	1006.4	25.9	2.2	13.9	-1.1	2	5	-7	2	347	108
08284 VALENCIA/AEROPUERTO	3930N	00028W	62		1005.3	1012.3	27.2	2.3	25.2	3.4	1	1	-19	1	299	108
08306 PALMA DE MALLORCA/SON SAN JU	3933N	00244E	8		1013.2	1013.8	26.2	2.1	23.7	1.8	0	0	-20	2	321	101
08314 MENORCA/MAHON	3952N	00414E	82		1003.4	1013.1	26.4	1.9	23.8	2.6	0	0	-26	1	319	102
08330 BADAJOZ/TALAVERA LA REAL	3853N	00649W	192		991.6	1012.5	25.8	.8	17.3	1.5	1	7	1	4	355	103
08348 CIUDAD REAL	3859N	00355W	629		942.0	1010.6	27.0	2.5	16.5	.5	0	0	-8	2	332	97
08359 ALICANTE	3822N	00030W	82		1003.1	1012.4	27.0	1.5	25.0	2.5	0	2	-6	3	320	104
08373 IBIZA/ES CODOLA	3852N	00123E	12		1010.5	1012.4	27.2	1.7	27.5	3.2	0	0	-26	2	292	96
08391 SEVILLA/SAN PABLO	3725N	00554W	31		1008.8	1012.3	27.8		18.3		0	0		4	345	100
08410 CORDOBA/AEROPUERTO	3751N	00451W	92		1002.9	1013.2	27.9	1.1	17.3	.3	1	2	-1	4	347	103
08433 MURCIA/SAN JAVIER	3747N	00048W	3		1012.4	1012.7	26.5	1.9	27.7	3.4	1	2	-6	4	329	128
08451 JEREZ DE LA FRONTERA AERO.	3645N	00604W	28		1011.1	1014.2	26.2	.6	19.8	.7	0	0	-5	4	331	98
08482 MALAGA/AEROPUERTO	3640N	00429W	7		1011.9	1012.7	26.5	1.2	21.6	1.4	0	0	-5	4	324	100
08487 ALMERIA/AEROPUERTO	3651N	00223W	21		1009.6	1012.0	26.1	.1	24.0	1.4	1	1	0	4	311	100
GIBRALTAR																
08495 GIBRALTAR	3609N	00521W	0		1013.1	1013.7	24.5		20.4		0	T		2	335	105
PORTUGAL																

SURFACE

AUGUST 1999

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
							°C	°C	mb	mb	mm	mm	hr			
08535 LISBOA/GEOP	3843N	00909W	95													
08546 PORTO/SERRA DO PILAR	4108N	00836W	100		1003.3	1015.0	19.5	-.3	18.4	1.2	5	128	106	6	291	99
08558 EVORA/C. COORD	3832N	00754W	246		985.0	1013.1	23.2		16.5		1	10			343	
08575 BRAGANCA	4148N	00644W	692		935.2	1014.4	21.2	.4	13.9	1.2	3	52	38	5	316	93
GERMANY																
10035 SCHLESWIG	5432N	00933E	48		1007.1	1012.9	16.5	.7	14.8	.5	9	81	-6	4	198	92
10055 WESTERMARKELSDORF	5432N	01104E	9		1011.4	1012.4	17.7		15.9		8	74			242	100
10147 HAMBURG-FUHLSDUEBEL	5338N	00959E	15		1011.0	1012.8	17.7	1.1	14.0	-5	7	49	-21	2	177	86
10162 SCHWERIN	5339N	01123E	68			1016.7	24.3		22.6		6	35		3	222	
10170 ROSTOCK-WARNEMUENDE	5411N	01205E	10		1010.9	1012.3	18.0	1.3	14.9	-2	11	58	-1	3	225	100
10184 GREIFSWALD	5406N	01324E	6		1012.0	1012.7	17.4		15.2		12	91		5	219	95
10200 EMDEN-FLUGPLATZ	5323N	00714E	5		1012.0	1012.6	16.7		16.0		11	49		1	168	80
10270 NEURUPPIN	5254N	01249E	39		1008.7	1013.3	18.0		14.0		10	30		2	216	100
10280 NEUBRANDENBURG	5333N	01312E	80		1003.6	1013.0	17.5		14.2		12	41			210	95
10338 HANNOVER	5228N	00941E	59		1006.0	1013.0	17.4	.5	18.7	4.2		95	31	5	164	76
10361 MAGDEBURG	5208N	01136E	85		1003.7	1013.7	17.6		13.3		11	57		4	175	85
10379 POTSDAM	5223N	01304E	100		1001.9	1013.7	18.1	.6	13.7	-5	8	36	-24	2	208	95
10384 BERLIN-TEMPELHOF	5228N	01324E	49		1008.0	1013.7	19.1		13.2		9	42			201	90
10393 LINDENBERG	5213N	01407E	104		1001.5	1013.7	18.3	.7	13.7	-2	6	38	-25	2	201	93
10438 KASSEL	5118N	00927E	233		985.2	1012.4	17.1	.2	13.7	-2	8	105	42	5	130	70
10453 BROCKEN	5148N	01037E	1153		884.5	1484 Y	10.9		10.4		14	133			148	90
10469 LEIPZIG-SCHKEUDITZ	5125N	01214E	149		996.8	1014.1	18.3		13.6		10	47		2	190	95
10488 DRESDEN-KLOTZSCHE	5108N	01345E	232		987.2	1014.2	18.2		13.0		7	35			202	100
10499 GOERLITZ	5110N	01457E	240		985.9	1013.6	17.7	.8	13.0	-1.2	8	22	-52	1	208	100
10548 MEININGEN	5034N	01023E	453		961.8	1014.2	15.9		13.3		10	63		4	184	90
10554 ERFURT-BINDERSLEBEN	5059N	01058E	322		976.5	1013.9	16.9		13.4		9	50			193	90
10578 FICHTELBERG	5026N	01257E	1215		879.2	1497 Y	11.3	.1	10.8	-.1	12	77	-29	2	175	93
10609 TRIER-PETRISBERG	4945N	00640E	273		981.8	1013.5	18.4	1.3	14.3	.1	11	63	-8	3	192	96
10628 GEISENHEIM	4959N	00757E	123		999.7	1014.2	18.6	.5	14.5	.1	8	40	-13	3	207	100
10727 KARLSRUHE	4902N	00822E	145		997.4	1014.2	19.9	1.1	16.0	.7	11	37	-29	1	220	100
10738 STUTTGART- ECHTERDINGEN	4841N	00914E	391		969.1	1014.2	18.2		14.8		9	64		3	205	
10763 NUERNBERG	4930N	01103E	318		977.8	1014.5	18.0	.4	14.3	.3	9	50	-17	2	193	90
10870 MUENCHEN, FLUGHAFEN	4822N	01148E	447		963.8	1015.1	17.7	1.1	15.4	1.7	9	40	-58	1	176	84
10929 KONSTANZ	4741N	00911E	447		963.3	1014.5	18.7	1.0	17.0	1.8	11	59	-29	2	179	83
10946 KEMPTEN	4743N	01020E	705		934.6	1014.5	16.0		14.4		15	96			173	80
10961 ZUGSPITZE	4725N	01059E	2962		712.4	3104 Z	3.3	1.1	7.1	.8	18	159	-11	3	125	70
10962 HOHENPEISSIONENBERG	4748N	01101E	986		904.7	1513 Y	15.5	.9	13.4	.7	14	119	-37	2	185	88
AUSTRIA																
11028 ST. POELTEN	4811N	01537E	284		981.3	1014.2	18.2		15.9	1.4	12	133	52	5	198	87
11035 WIEN/HOHE WART	4814N	01621E	209		990.0	1014.2	19.1		15.5	.6	9	73	15	4	238	104
11120 INNSBRUCK-FLUGHAFEN	4716N	01121E	593		947.2	1014.4	17.5		16.4		11	185			171	85
11146 SONNBLICK	4703N	01257E	3111		698.7	3096 Z	3.4		7.4	1.0	22	230	4	3	103	61
11150 SALZBURG-FLUGHAFEN	4748N	01300E	450		963.3	1014.9	17.5		14.7	.0	13	132	-21	3	168	82
11155 FEUERKOGEL	4749N	01344E	1621		837.6	1497 Y	11.5		10.8		14	220		3	140	70
11212 VILLACHERALPE	4636N	01340E	2160		787.3	1518 Y	8.9		10.7		15	264		5	110	50
11231 KLAGENFURT-FLUGHAFEN	4639N	01420E	476		960.2	1014.5	18.6		16.8	1.9	13	162	61	5	183	79
11240 GRAZ-THALERHOF-FLUGHAFEN	4700N	01526E	347		974.7	1014.5	18.8		17.7	1.6	15	175	60	5	167	76

SURFACE

AUGUST 1999

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	
CZECH REPUBLIC																
11406 CHEB	5005N	01224E	471		960.3	1014.7	16.2	.4	12.7	-.4	9	70	4	3	203	110
11423 PRIMDA	4940N	01240E	748		929.6		15.3		12.6		9	56		2	204	95
11464 UTTARKASHI	3044N	07827E	9		919.7		15.1		11.7		8	23		1	229	100
11487 KOCELOVICE	4928N	01350E	522		954.8	1014.8	16.9		11.9		7	69		3	209	95
11518 PRAHA/RUZYNE	5006N	01415E	380		972.5	1014.8	17.1	.5	12.9	-.9	7	21	-48	1	229	108
11520 PRAHA-LIBUS	5000N	01427E	303		979.3	1014.6	18.3		12.4		7	33		1	227	100
11603 LIBEREC	5046N	01501E	399		968.4	1014.7	16.2		13.8		10	41		1	218	115
11659 PRIBYSLAV	4935N	01546E	536		953.4	1015.1	16.1		13.2		7	49		2	310	150
11723 BRNO/TURANY	4910N	01642E	246		986.0	1014.4	18.7	.6	15.0	1.0	5	26	-30	2	275	127
11782 OSTRAVA/MOSNOV	4941N	01807E	260		984.7	1015.1	17.2	.0	14.1	-.3	7	33	-58	1	233	115
SLOVAKIA																
11903 SLIAC	4839N	01909E	315		978.1	1014.6	17.6	.3	14.5	.3	6	40	-29	1	217	103
11934 POPRAD/TATRY	4904N	02015E	695		935.5		15.1	.3	12.6	.1	10	46	-22	2	214	103
POLAND																
12120 LEBA	5445N	01732E	2		1012.0	1012.7	16.7		15.9		15	195				
12160 ELBLAG	5410N	01926E	43		1008.0	1013.1	17.1		15.2		12	99				
12205 SZCZECIN	5324N	01437E	3		1012.3	1012.4	17.4	.2	14.7	-.2	9	35	-20			
12295 BIALYSTOK	5306N	02310E	151		995.7	1013.2	16.3	.0	13.6	-.9	8	68	-2			
12330 POZNAN	5225N	01650E	92		1006.9	1016.3	16.4	-1.0	14.5	.4	10	81	24			
12375 WARSZAWA-OKECIE	5210N	02058E	107		1001.3	1013.9	17.9	.6	13.9	-.7	7	29	-33			
12424 WROCLAW II	5106N	01653E	121		999.7	1013.9	18.2	1.0	13.4	-1.4	3	15	-63			
12497 WLODAWA	5133N	02332E	179		993.3	1014.2	17.2		14.6		8	49				
HUNGARY																
12843 BUDAPEST/LORINC	4726N	01911E	139		998.3	1014.6	20.3	.1	16.2	1.1	7	51	0	3	277	109
12882 DEBRECEN	4729N	02136E	109		1001.3	1014.2	20.0	.4	16.1	.1	7	66	5	4	283	108
12942 PECS/POGANY	4606N	01814E	203		991.1	1014.7	20.4	.3	16.7	1.3	9	66	3	3	256	96
12982 SZEGED	4615N	02006E	83		1004.5	1014.2	20.6	.4	17.8	2.0	7	47	-10	3	272	102
SLOVENIA																
14008 KREDARICA	4623N	01351E	2515		753.8	3122 Z	6.9		8.6		14	297		4	117	65
14015 LJUBLJANA/BEZIGRAD	4604N	01431E	298		980.3	1014.5	20.4		16.8		7	121		2	234	100
CROATIA																
14236 ZAGREB/GRIC	4549N	01559E	162		994.9	1013.7	21.4		17.1		8	81		2	221	90
14445 SPLIT/MARJAN	4331N	01626E	128		997.7	1012.2	26.6		19.1		4	14		1	327	100
BOSNIA AND HERZGOVINA																
14654 SARAJEVO/BEJELAVE	4352N	01826E	638		942.3	1013.9	20.0	1.5	16.0	2.2	7	84	14	4	223	94
YUGOSLAVIA																
13274 BEOGRAD	4448N	02028E	132		998.9	1014.1	22.7	1.4	18.3	2.3	3	13	-38	1	274	103
13463 PODGORICA-GRAD	4226N	01917E	50		1007.4	1013.1	27.8		17.6		3	52		3	325	100
ROMANIA																

SURFACE

AUGUST 1999

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	%	
15085 BISTRITA	4708N	02430E	367		971.8	1013.9	19.2	1.6	17.3	1.7	10	99	31	5	279	108	
15090 IASI	4710N	02738E	104		1002.2	1014.3	21.0	1.1	19.1	2.9	8	29	-27	2	275	102	
15120 CLUJ-NAPOCA	4647N	02334E	413		964.3	1014.4	18.4	.6	16.3	1.0	8	61	1	3	262	100	
15247 TIMISOARA	4546N	02115E	88		1003.2	1013.4	21.3	.9	17.7	1.3	4	50	0	3	296	106	
15260 SIBIU	4548N	02409E	444		963.5	1014.3	19.0	.9	17.6	2.0	5	26	-42	1	242	104	
15360 SULINA	4509N	02940E	9		1012.3	1013.3	22.9	1.0	24.1	3.2	3	30	2	4	296	101	
15420 BUCURESTI/IMH	4430N	02608E	91		1003.2	1013.5	21.7	.5	18.6	1.6	9	136	78	6	274	98	
15480 CONSTANTA	4413N	02838E	14		1012.7	1014.2	23.0	1.2	22.0	2.3	6	100	67	5	295	95	
BULGARIA																	
15552 VARNA	4312N	02755E	43		1008.3	1013.3	23.3	1.5	21.6	3.0	3	13	-19	1	325	116	
15614 SOFIA (OBSERV.)	4239N	02323E	595		946.5	1013.2	21.7	1.0	15.8	2.0	3	12	-37	1	309	114	
ITALY																	
16090 VERONA/VILLAFRANCA	4523N	01052E	68		1004.6	1012.5	23.6		24.0		5	52	-35	2	233	85	
16320 BRINDISI	4039N	01757E	10		1012.8	1014.0	26.0		26.9		3	73	48	5	297	98	
16325 MARINA DI GINOSA	4026N	01653E	12		1010.2	1011.5	27.7		29.7		1	6	-15	2			
16410 PALERMO BOCCADIFALCO	3806N	01318E	117		999.5	1012.8	27.9		20.6		1	2		2			
16420 MESSINA	3812N	01533E	51		1006.9	1013.1	28.9		27.6		2	29	5	4	303	99	
16429 TRAPANI/BIRGI	3755N	01230E	14		1012.7	1013.7	27.2		28.4		0	1	-7	3	292	92	
16560 CAGLIARI/ELMAS	3915N	00904E	5		1012.3	1012.9	27.4		24.6		0	T	-8	1	303	98	
MALTA																	
16597 LUQA	3551N	01429E	91		1005.6	1013.8	29.3	3.0	25.6	1.9	3	20	13	5	320	95	
GREECE																	
16622 THESSALONIKI/MIKRA	4031N	02258E	4		1012.4	1013.0	28.1	2.3	15.4	-2.7	0	1	-19	1	317	107	
16641 KERKYRA (AIRPORT)	3937N	01955E	4		1011.5	1012.0	27.8	1.7	16.3	-4.0	3	31	14	5	333	100	
16648 LARISSA (AIRPORT)	3938N	02225E	74		1003.2	1011.6	27.5	1.5	14.1	-2.0	2	7	-8	3	320	100	
16716 ATHINAI (AIRPORT)	3754N	02344E	15		1009.6	1011.4	29.5	1.9	20.0	2.5	0	T	-8	2	352	104	
16726 KALAMATA (AIRPORT)	3704N	02201E	8		1010.2	1011.1	26.7	.5	16.7	-3.6	0	0	-10	1	328	98	
16746 SOUDA (AIRPORT)	3529N	02407E	151		993.9	1011.0	28.2	2.4	14.0	-4.0	0	0	-1	4	353	98	
16754 HERAKLION (AIRPORT)	3520N	02511E	39		1006.0	1010.5	27.6	1.7	20.6	1.0	0	0	-1	4	359	104	
TURKEY																	
17022 ZONGULDAK	4127N	03148E	137		996.8	1012.6	22.6	1.3	22.8	4.5	7	105	24	4	272	90	
17030 SAMSUN	4117N	03618E	4			1013.2									408	80	
17034 GIRE SUN	4055N	03823E	37		1006.6	1010.9	24.0	1.6	22.3	1.4	16	175	85	5			
17040 RIZE	4102N	04031E	9		1009.2	1010.2	24.9	2.7	25.6	4.2	11	215	33	4	152	85	
17050 EDIRNE	4140N	02634E	51		1007.0	1012.9	24.9	1.4	18.4	2.7	2	60	36	5	354	110	
17062 ISTANBUL/GOZTEPE	4058N	02905E	33		1008.5	1012.3	24.6	1.6	23.6	3.8	6	51	25	5	341	110	
17074 KASTAMONU	4122N	03347E	800		922.0	1010.6	20.8	1.5	14.6	1.8	6	135	104	6	252	85	
17084 CORUM	4033N	03457E	776		924.1	1009.9	21.5	1.1	15.8	3.1	6	94	80	6	284	90	
17090 SIVAS	3945N	03701E	1285		869.8	1006.9	21.4	1.9	15.9	4.9	3	20	13	5	332	95	
17092 ERZINCAN	3945N	03930E	1218		874.8	1003.1	25.5	2.3	18.8	6.8	2	3	-4	3	290	85	
17096 ERZURUM	3957N	04110E	1758		822.4	1004.0	20.3	1.1	9.7	-9.9	2	6	-12	3	327	95	
17098 KARS	4037N	04306E	1775		820.6		19.2	2.1	13.2	.9	9	57	19	4	326	100	
17112 CANAKKALE	4008N	02624E	6		1011.8	1012.4	26.1	1.9	23.4	4.0	1	1	-7	4	376	105	
17116 BURSA	4011N	02904E	100		1000.2	1011.7	25.4	1.9	19.4	2.2	3	21		1	4	292	90

SURFACE

AUGUST 1999

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	hr		
17130 ANKARA/CENTRAL	3957N	03253E	891		911.3	1008.0	23.8	1.2	14.7	3.4	3	31	19	5	303	85
17170 VAN	3827N	04319E	1662		830.7	1001.7	23.8	2.6	14.3	3.4	1	2	-5	4	351	95
17188 USAK	3841N	02924E	919		908.2	1007.6	24.4	1.5	15.1	1.1	3	30	20	5		
17190 AFYON	3845N	03032E	1034		897.3	1009.1	22.8	1.4	13.4	1.7	6	50	39	6	306	90
17199 MALATYA BOLGE	3821N	03819E	948		901.5	1002.1	27.7	6.4	11.5	-1.0	0	0	-6	2	373	105
17210 SIIRT	3755N	04157E	896		907.2	1001.6	30.8	1.1	3.4	-6.8	1	4	2	5	484	130
17220 IZMIR/GUZELYALT	3826N	02710E	29		1005.9	1009.2	29.7	2.8	20.3	1.8					355	95
17240 ISPARTA	3745N	03033E	997		899.6	1007.1	23.8	1.2	16.7	4.7	6	45	37	5	339	95
17244 KONYA	3758N	03233E	1031		896.2	1007.0	23.9	1.3	10.1	-1.5	2	18	11	5	327	90
17250 NIGDE	3758N	03441E	1210		877.8	1006.4	23.5	2.0	13.1	2.5	1	1	-1	4	352	100
17255 KAHRAMANMARAS	3736N	03656E	572		940.9	1003.2	28.8	.9	22.4	4.2	2	3	1	5	317	90
17270 SANLIURFA	3708N	03846E	549		924.5	1001.3	31.2	.3	19.4	6.8	1	26	24	6	342	90
17280 DIYARBAKIR	3753N	04012E	677		929.8	1002.3	30.6	.4	11.6	-.2					376	100
17285 HAKKARI	3734N	04346E	1728		823.6	997.6	27.1	2.9	10.9	.3	1	3	0	5	340	90
17292 MUGLA	3713N	02822E	646		936.1	1006.6	26.8	1.4	19.3	5.7	1	10	-1	5	303	85
17300 ANTALYA	3642N	03044E	54		997.4	1004.5	29.2	1.5	22.8	1.1	0	T	-2	4	367	100
17340 MERSIN	3648N	03438E	3		1005.5	1005.9	29.2	1.5	31.4	3.4	0	1	-3	4	293	95
17351 ADANA/BOLGE	3659N	03521E	27		1003.9	1006.9	29.3		29.7		0	1		4	273	80
CYPRUS																
17609 LARNACA AIRPORT	3453N	03338E	2		1006.4	1006.6	28.4	1.8	26.7		0	T	T		353	96
RUSSIAN FEDERATION (EUROPE)																
22113 MURMANSK	6858N	03303E	51		1004.1	1010.2	9.8	-1.0	9.5	-.7	14	179	101	6	171	111
22550 ARHANGEL'SK	6430N	04044E	8		1009.3	1010.3	11.8	-1.4	11.7	-.3	14	97	33	5	177	87
22602 REBOLY	6350N	03049E	182		987.9	1009.6	12.1	-1.1	9.6	-2.4	9	60	-23	2	237	122
22837 VYTEGRA	6101N	03627E	56		1004.8	1011.5	14.0	-.6	12.0	-1.3	9	63	-26	2	235	112
ESTONIA																
26038 TALLINN	5923N	02435E	34		1007.8	1012.2	15.5	.2	12.6	-1.4	7	37	-47	1	297	130
RUSSIAN FEDERATION (EUROPE)																
26063 ST. PETERBURG	5958N	03018E	6		1010.8	1011.5	15.1	-1.1	13.2	-.9	8	53	-27	2	230	108
ESTONIA																
26214 VILSANDI	5823N	02149E	6		1011.5	1012.5	17.0	.8	14.9	.0	9	67	5	4	283	112
26242 TARTU	5818N	02644E	68		1004.3	1012.6	15.7	.4	12.4	-1.4	7	36	-50	1	239	110
LATVIA																
26346 ALUKSNE	5726N	02702E	193		989.7	1012.4	15.4		12.1		8	70			260	115
RUSSIAN FEDERATION (EUROPE)																
26477 VELIKIE LUKI	5621N	03037E	106		999.3	1011.5	15.7	.2	13.5	-.6	12	86	12		207	90
LITHUANIA																
26509 KLAJPEDA	5544N	02104E	7		1011.4	1012.3	17.6	.8	15.1	.1					288	114
26524 SIAULIAI	5556N	02319E	107		999.9	1012.6	16.7	.6	13.6	-.4	14	73	-4	3	235	97
26629 KAUNAS	5453N	02350E	77		1003.5	1012.6	16.8	.4	13.4	-.8					245	103
26730 VILNIUS	5438N	02506E	156		994.2	1012.6	16.6	.3	12.4	-1.3	9	53	-19		238	110

SURFACE

AUGUST 1999

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O'	O'	m		mb	mb	O _c	O _c	mb	mb		mm	mm		hr	
BELARUS																
26850 MINSK	5356N	02738E	231		986.6	1012.6	17.7	1.2	12.7	- .8	5	48	-24	2	264	111
RUSSIAN FEDERATION (EUROPE)																
27037 VOLOGDA	5919N	03955E	130		995.5	1010.9	14.0	- .7	12.2	-1.3	11	81	10	4	220	101
27199 KIROV	5836N	04938E	158		992.3	1011.0	14.4		12.5		15	89		5	192	80
27595 KAZAN'	5536N	04917E	116		997.3	1011.3	16.8	- .5	14.1	.5	14	99	31	4	208	82
27612 MOSKVA	5550N	03737E	156		993.3	1011.7	16.4	.0	14.0	.1	13	89	13			
UKRAINE																
33506 POLTAVA	4936N	03433E	160		994.3	1012.9	19.9	.5	15.2	1.2	5	27	-19	1		
33562 VINNYTSIA	4914N	02836E	298		979.5	1013.8	18.4	.8	14.9	.5	4	56	-11	5	223	85
33587 UMAN'	4846N	03014E	216		988.6	1013.4	19.6	1.4	15.0	.3	6	31	-28	1		
33631 UZHGOROD	4838N	02216E	124		1000.5	1014.2	19.1	- .3	16.4	1.2	10	130	59	5	253	100
33658 CHERNIVTSI	4822N	02554E	246		985.8	1014.1	18.8	.8	16.0	1.0	4	77	16		219	89
REPUBLIC OF MOLDOVA																
33815 KISINEV	4701N	02859E	173		991.9	1012.4	24.5	4.0	17.6	3.0	1	4	-41	0	344	117
UKRAINE																
33837 ODESA	4626N	03046E	42		1008.6	1013.5	22.5	1.3	18.6	2.5	4	23	-11	3	324	107
33846 MIKOLAIV	4702N	03157E	50		1007.7	1013.5	22.5	.7	16.7	1.6	2	6	-35	1		
33889 IZMAIL	4522N	02851E	30		1009.8	1013.3	22.3	1.1	19.2	3.1	6	71	33	5	294	100
33910 HENICHES'K	4610N	03449E	15		1010.7	1012.4	23.2	1.1	18.7	1.3	7	51	25	5	310	101
33915 ASKANIIA-NOVA	4627N	03353E	30		1009.2	1012.7	21.5	- .1	16.2	1.9	4	51	16	4	297	99
33983 KERCH	4524N	03625E	49		1006.2		23.8	1.6	19.9	2.4	7	139	96	6	311	101
33990 YALTA	4529N	03410E	72		1004.2	1012.4	24.7	1.7	18.8	2.4	2	10	-25	1	289	100
RUSSIAN FEDERATION (EUROPE)																
34123 VORONEZ	5142N	03913E	149		994.0	1011.3	18.6		15.6		10	54		4		
34172 SARATOV	5134N	04602E	156		988.1	1011.3	19.1	- .5	15.4	2.2	8	68	22	4	251	92
UKRAINE																
34300 KHARKIV	4958N	03608E	155		994.5		19.9	.4	15.2	1.2	5	45	-5	3	207	84
KAZAKHSTAN																
34398 ZHALPAKTAL	4940N	04929E	10		1009.0	1010.2	24.4	2.5	3.5	-8.7						
UKRAINE																
34519 DONETS'K	4804N	03746E	225		986.1	1012.0	21.3	1.2	14.3		3	29	-12	2		
RUSSIAN FEDERATION (EUROPE)																
34880 ASTRAHAN'	4617N	04803E	-23		1013.1	1010.7	26.0	2.7	19.4	3.3	3	79	62	6		
ARMENIA																
37686 GUMRI	4047N	04350E	1529		844.8	1470 Y	22.3		13.9		4	12		1	273	82
37709 SEVAN	4033N	04456E	1937		809.1	1488 Y	18.7		12.2		9	66		5	311	94
37789 YEREVAN	4008N	04428E	907		885.9	1469 Y	27.5	2.3	14.8	1.2	0	0	-7	0	341	103

SURFACE

AUGUST 1999

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	
LEBANON																
40100 BEYROUTH (AEROPORT)	3349N	03529E	19		1004.4	1007.4	28.1	1.5	26.5		0	0	-1	5		
40103 TRIPOLI	3427N	03548E	5		1006.9	1007.6	27.5		27.4		0	0		5		
ISRAEL																
40180 BEN-GURION INT. AIRPORT	3200N	03454E	49		1002.6	1007.2	28.4		26.6		0	0		5		
40199 EILAT	2933N	03457E	12		1005.3	1005.6	34.0	1.7	16.1		0	0		5	372	100
JORDAN																
40250 H-4 'IRWAISHED'	3230N	03812E	688		929.9	1008.1	30.6		14.2		0	0		5	366	100
40310 MA'AN	3010N	03547E	1070		890.4	1476 Y	27.4	1.8	17.0	5.0	0	0	0	5	369	101
ASIA																
RUSSIAN FEDERATION (IN ASIA)																
20046 POLARGMO IM. E.T. KRENKELJA	8037N	05803E	22		1011.9	1014.6	.0	.0	5.7	.1	2	13	-12	198	239	
20069 OSTROV VIZE	7930N	07659E	10		1010.3	1011.6	.5	.7	5.9	.2	3	9	-19	1	131	175
20292 GMO IM.E.K. FEDOROVA	7743N	10418E	15		1008.5	1010.4	1.1	.6	6.4	.4	6	34	4	3	112	118
20674 OSTROV DIKSON	7330N	08024E	47		1001.5	1007.2	4.8	.5	7.9	.1	11	56	13	4	137	99
20891 HATANGA	7159N	10228E	33		1002.7	1006.7	9.0	-1.1	9.4	.5	11	107	75	6	147	75
21432 OSTROV KOTEL'NYJ	7600N	13552E	9		1011.1	1012.1	3.4	1.6	7.0	.6	2	3	-23	193	193	
21946 CHOKURDAH	7037N	14753E	61		1002.0	1009.0	7.6	.8	7.6	-.6	6	18	-15	144	89	
23205 NAR' JAN-MAR	6738N	05302E	12		1007.9	1009.3	10.0	-.3	10.4	-.1	9	32	-30	1	131	82
23219 HOSEDA-HARD	6705N	05923E	84		998.2	1008.3	9.5	-.2	10.1	.1	14	80	13	4	106	62
23330 SALEHARD	6632N	06640E	16		1006.8	1008.6	11.0	.2	10.1	-.3	8	42	-19	167	90	
23472 TURUHANSK	6547N	08756E	38		1002.9	1007.5	11.0	-1.6	10.7	-.6	14	104	36	5	156	78
23552 TARKO-SALE	6455N	07749E	27		1004.3	1007.6	11.6	-.5	10.7	-.3	8	67	3	6	210	113
23804 SYKTYVKAR	6143N	05050E	119		996.3	1010.5	12.8	-.9	11.7	-.6	13	82	23	4	193	97
23884 BOR	6136N	09001E	58		999.6	1006.5	12.6	-1.3	11.9	-.2	13	78	11	0	46	22
23933 HANTY-MANSIJSK	6101N	06902E	46		1004.8	1010.3	13.7	-.1	12.3	-.2	14	90	24		238	109
24125 OLENEK	6830N	11226E	220		980.4	1005.2	10.9	.1	9.7	.7	16	79	40	122	56	
24143 DZARDZAN	6844N	12400E	39		1002.6	1006.3	12.0	1.2	12.3	2.6	8	32	-11			
24266 VERHOJANSK	6733N	13323E	137		990.4	1006.8	11.5	.7	9.2	.4	9	40	11	138	63	
24507 TURA	6416N	10014E	168		985.2	1007.3	11.1	-1.3	10.3	-.2	4	32	-22	2	176	95
24641 VILJUJSK	6346N	12137E	111		994.4	1007.7	12.7	-1.4	9.5	-.7	11	81	44	250	99	
24688 OJMJAKON	6315N	14309E	741		921.1	1006.4	9.3	-.8	7.6	-.9	5	28	-10	218	92	
24738 SUNTAR	6209N	11739E	133		990.7	1007.5	13.2	-.7	13.2	2.5	9	47	6	270	110	
24817 ERBOGACEN	6116N	10801E	291		973.3	1007.7	12.1	-1.0	10.2	-.8	8	52	1	228	99	
24959 JAKUTSK	6201N	12943E	101		995.4	1007.4	13.2	-1.7	10.6	-.5	10	53	17			
25325 UST' -OLOJ	6633N	15925E	127		991.2	1006.6	7.9	-1.4	8.0	-.8	12	64	23	5	183	
25399 MYS UELEN	6610N	16950W	3		1006.5	1006.8	6.1	.2	8.7	.1	8	43	-17	76	67	
25400 ZYRJANKA	6544N	15054E	43		1002.3	1007.5	10.3	-1.5	9.6	-.5	10	104	67	239	104	
25703 SEJMCAN	6255N	15225E	205		980.9	1005.4	10.8	-1.1	8.1	-1.7	9	41	0	3	195	82
25744 KAMENSKOE	6226N	16605E	10		1003.0	1004.2	10.6	-.8	11.0	.2	8	43	-17	104	58	
25954 KORF	6021N	16600E	4		1004.4	1004.8	11.2	-.7	10.5	-.7	9	90	30	5	185	106
28224 PERM'	5801N	05618E	171		991.4	1011.6	14.5		11.7		12	99		5	214	15
28275 TOBOL'SK	5809N	06815E	50		1005.7	1011.4	14.7	-.1	12.6	-.4	9	31	-40	1	248	110

SURFACE

AUGUST 1999

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	%
28440 EKATERINBURG	5650N	06038E	283		978.8	1011.7	15.5	.4	12.7	.4	12	60	-6	4		
KAZAKHSTAN																
28679 PETROPAVLOVSK	5450N	06909E	142		995.8	1012.5	18.8	2.6	13.2	.2	5	24	-27	2	213	87
RUSSIAN FEDERATION (IN ASIA)																
28698 OMSK	5501N	07323E	122		997.1	1011.5	17.4	1.3	11.8	-.8	8	29	-25		270	109
KAZAKHSTAN																
28879 KOKSHETAY	5317N	06923E	229		985.7	1012.5	18.4	1.6	1.1	-11.0	4	20	-23	2	293	117
28952 KUSTANAI	5313N	06337E	156		993.5	1013.5	19.1	1.3	13.4	1.2	7	35	1		273	96
RUSSIAN FEDERATION (IN ASIA)																
29231 KOLPASEVO	5819N	08257E	75		1000.5	1009.5	14.4	-.1	12.5	-.4	7	75	5		304	128
29263 ENISEJSK	5827N	09209E	79		999.2	1008.7	13.8	-.9	12.8	-.1	10	39	-31	2	229	98
29282 BOGUCANY	5823N	09727E	133		993.0	1008.7	14.9	.0	11.8	-.6	9	51	-2	4	229	103
29570 KRASNOJARSK OPYTNOE POLE	5602N	09245E	276		977.4	1009.9	15.4		12.7		11	79		4		
KAZAKHSTAN																
29807 IRTYSHSK	5321N	07527E	94		1000.9	1011.9	19.2	1.8	11.4	-1.2		31	-8	0		
RUSSIAN FEDERATION (IN ASIA)																
29838 BARNAUL	5326N	08331E	184		989.6	1011.2	18.1	1.4	12.4	-.8	7	53	3		273	103
29866 MINUSINSK	5342N	09142E	254		980.5	1010.2	16.6	-.1	14.1	.8	11	111	52	5	238	104
30230 KIRENSK	5746N	10804E	259		978.3	1008.8	13.7	-.9	12.1	-.9	12	55	-7		188	91
30309 BRATSK	5617N	10145E	416		960.9	1009.2	14.3	-.6	12.9	.0	11	98	35		208	92
30469 KALAKAN	5507N	11646E	613		936.9	1007.3	11.8	-1.5	11.3	-.5	9	85	-3	3	187	92
30554 BAGDARIN	5428N	11335E	903		905.4	1007.7	11.5	-.6	10.1	-.2	12	184	99	5		
30635 UST' -BARGUZIN	5325N	10901E	461		955.2	1008.4	14.2	-.4	13.7	.9	9	95	36	4		
30673 MOGOCA	5345N	11944E	625		936.3	1008.2	12.5	-1.2	11.8	-.1	13	156	51	5	187	93
30710 IRKUTSK	5216N	10419E	469		954.9	1008.8	15.6	.5	13.1	-.3	9	49	-33		265	122
30758 CHITA	5205N	11329E	671		931.0	1007.2	14.6	-.6	11.9	-.6	9	89	9	4	253	112
31004 ALDAN	5837N	12522E	79		930.2	1008.4	11.5	-1.6	9.8	-.9	15	87	-10		251	111
31088 OHOTSK	5922N	14312E	6		1005.3	1006.0	13.6	.4	12.6	-.2	5	22	-59	1	241	132
31168 AJAN	5627N	13809E	8		1006.7	1007.8	13.5	.4	11.8	-.7		79	-82		238	151
31253 BOMNAK	5443N	12856E	357		966.0	1008.3	15.1	-.1	12.2	-1.4	7	94	-20	2	281	134
31369 NIKOLAEVSK-NA-AMURE	5309N	14042E	68		1000.2	1008.2	15.8	.1	14.7	.1	10	114	32			
31416 IM POLINY OSIPENKO	5225N	13630E	73		999.9	1008.4	16.7	.2	14.5	-.3	10	79	-7		208	106
31510 BLAGOVESCHENSK	5015N	12734E	132		992.5	1007.8	18.4	-.6	16.8	.0	14	202	71			
31735 HABAROVSK	4831N	13510E	76		998.7	1008.5	19.1	-.4	17.9	-.2	11	114	-40		211	97
31960 VLADIVOSTOK	4307N	13154E	183		988.3	1010.1	20.1	.6	20.0	-.4	9	164	16		170	114
32150 JUZHNO-SAHALINSK	4657N	14243E	24		1008.3	1011.1	18.6	1.9	18.2	1.8	7	196	91	5		
32583 PETROPAVLOVSK- KAMCATSKIJ	5259N	15839E	24		1005.8	1008.7	13.0		11.9		8	67		2		
32618 NIKOL'SKOE	5512N	16559E	18		1005.4	1007.7	10.3	-.3	11.4	-.3	5	63	-21	2	128	125
KAZAKHSTAN																
35078 ATBASAR	5149N	06822E	304		976.7	1011.8	19.5	2.2	10.9	.0	1	15	-16	1	330	115
35108 URALSK	5115N	05117E	37		1006.8	1011.1	22.5	2.1	12.6	-.1	2	6	-18	1		

SURFACE

AUGUST 1999

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
							°C	°C	mb	mb	mm	mm	mm	mm	hr	%
RUSSIAN FEDERATION (IN ASIA)																
35121 ORENBURG	5141N	05506E	117		997.6	1011.2	22.2	2.4	12.3	-1.1	3	7	-26	1	265	93
KAZAKHSTAN																
35188 AKMOLA	5108N	07122E	350		971.7	1011.7	20.4	2.7	1.1	-9.9	2	9	-30	1	354	120
35229 AKTJUBINSK	5017N	05709E	219		985.9	1011.0	22.6	2.5	12.3	.9	3	12	-15	2		
35394 KARAGANDA	4948N	07309E	553		948.3	1010.6	20.8	3.1	8.8	-1.3	0	0	-33			
35746 ARALSKOE MORE	4647N	06139E	62		1002.2	1009.4	27.9	3.7	14.7	3.8	0	T	-6	1		
35796 BALHASH	4648N	07505E	350		967.3	1008.8	23.7	2.0	14.5	2.5	0	T	-12		377	104
35849 KAZALINSK	4546N	06207E	68		1001.5	1009.3	26.6	2.5	13.0	1.2	1	4	-1	3		
35925 SAM	4524N	05607E	88			1009.8	29.4	4.9	13.6	1.7	1	3	-2			
36208 LENINOGORSK	5020N	08333E	811		918.7	1009.4	16.8	2.0	11.7	.1	6	45	-31	2		
36535 KOKPEKTY	4845N	08222E	512		950.4	1008.1	20.8	3.0	12.7	2.0	2	4	-16			
36859 ZHARKENT	4410N	08004E	645		935.8	1006.8	24.2	1.5	14.1	1.2	0	13	3	3		
36870 ALMATY	4314N	07656E	851		913.8	1006.2	24.1	1.9	13.2	1.6	3	18	-8	3	304	103
38062 KYZYLORDA	4451N	06530E	130						9.9	-2.2	0	0	-5	0		
UZBEKISTAN																
38262 CHIMBAJ	4257N	05949E	66		1002.5	1009.9	27.4	2.9	20.6	6.0	1	11	9		388	102
38413 TAMDY	4144N	06437E	237		980.5	1006.8	31.3	3.1	5.9	-3.9	0	T	-1	1	349	94
38457 TASHKENT	4116N	06916E	488		950.3	1003.9	27.7	2.3	15.1	2.1	1	5	3	5	362	99
TURKMENISTAN																
38507 TURKMENBASHI	4003N	05300E	-13		998.5	1007.9	30.9	3.8	15.9	1.3	0	0	-5		356	108
38545 DARGANATA	4028N	06217E	142		990.5	1006.5	27.8		22.6		2	7				
38687 CHARDZHEV	3905N	06336E	190		982.9	1004.6	28.2	1.3	14.1	2.1	0	T	-1		385	102
SAUDI ARABIA																
40356 TURAIF	3141N	03844E	852		911.7	1470 Y	31.1		8.3		0	0			365	
40357 ARAR	3054N	04108E	549		943.3	1001.8	35.3		8.2		0	0				
40360 GURIAT	3124N	03716E	504		949.3	1004.2	30.1		13.4		0	0			369	
40361 AL-JOUF	2947N	04006E	689		930.6	1001.5	34.4		7.5		0	0				
40362 RAFHA	2937N	04329E	444		952.5	1000.4	35.8		9.7		0	0				
40373 AL QAYSUMAH	2819N	04607E	360		960.7	998.9	37.9		8.6		0	0				
40375 TABUK	2822N	03636E	768		921.6	1003.2	31.7		10.5		0	0			352	
40377 HAFR AL-BATIN	2754N	04532E	414		955.6	999.7	39.5		11.5		0	0				
40394 HAIL	2726N	04141E	1013		897.0	1479 Y	34.0		8.6		0	0			356	
40400 WEJH	2612N	03628E	21		1001.8	1004.5	30.4		32.5		0	0			337	
40405 GASSIM	2618N	04346E	650		930.5	998.6	36.1		6.1		0	0				
40410 KHAYBER	2540N	03918E	754		921.6	999.9	38.4		8.1		1	6				
40416 DHAHRAN	2616N	05009E	17		995.5	997.4	36.2	1.8	28.8	11.5	0	0	0			
40420 AL AHSA	2518N	04929E	178		979.3	998.4	37.9		16.4		0	0				
40430 MADINAH	2433N	03942E	636		933.7	1000.7	37.1	1.2	9.0	3.0	1	1	0		301	
40439 YENBO	2409N	03804E	10		1002.0	1003.2	34.0		26.4		0	0				
IRAN, ISLAMIC REPUBLIC OF																
40706 TABRIZ	3805N	04617E	1361		861.6	1002 Y	28.8	3.5	10.7	.0	0	1	-3		304	91
40745 MASHHAD	3616N	05938E	989		899.0	1004 Y	29.3	4.7	13.1	3.3	1	5	4		343	96
40754 TEHRAN-MEHRABAD	3541N	05121E	1191		878.2	1001 Y	31.6	2.1	12.3	2.8	0	0	-1		343	103

SURFACE

AUGUST 1999

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	%		
40800 ESFAHAN	3238N	05143E	1550		842.1	1000 Y	28.2	.3	10.0	1.7	0	0	-1	361	109	
40831 ABADAN	3022N	04815E	11		998.0	998.8	35.8	-.3	17.1	.6	0	0	0	336	116	
40841 KERMAN	3015N	05658E	1754		822.0	1000 Y	26.7	-.2	7.7	1.4	0	0	-1	349	107	
40848 SHIRAZ	2932N	05235E	1491		846.9	998 Y	30.6	1.9	10.7	1.8	0	T	-1	324	98	
SAUDI ARABIA																
41024 JEDDAH (KING ABDUL AZIZ INT.	2142N	03911E	17		1002.1	1004.0	33.2	1.1	32.2	4.9	0	T	T	295		
41030 MAKKAH	2126N	03946E	240		975.1	1002.5	36.0		23.9	0	0	0				
41036 TAIIF	2129N	04033E	1454		852.8	1475 Y	28.0	-.2	10.7	2.5	2	11	6	287		
41055 AL BAHA	2018N	04138E	1662		833.4	1473 Y	28.6		9.4		2	4		244		
41061 WADI AL DAWASSER AIRPORT	2030N	04512E	622		932.4	997.6	36.9		12.8		0	0		283		
41084 BISHA	1959N	04237E	1163		880.0	1468 Y	32.9		9.2		0	0		283		
41112 ABHA	1814N	04239E	2093		792.5	1474 Y	22.7		13.3		4	9		222		
41114 KHAMIS MUSHAIT	1818N	04248E	2056		796.0	1471 Y	23.6		14.7		2	16		240		
41128 NAJRAN	1737N	04425E	1210		874.1	1460 Y	32.5		7.1		0	0		284		
41136 SHARURAH	1728N	04707E	725		922.2	998.0	35.6		9.3		1	5		298		
KUWAIT																
40582 KUWAIT INT'L. AIRPORT	2913N	04759E	55		993.8	1000.0	39.1	2.3	14.5		0	0	0	354	118	
BAHRAIN																
41150 BAHRAIN (INT. AIRPORT)	2616N	05039E	2		998.4	998.6	35.6	1.4	36.8	2.4	0	0	0	5	339	102
UNITED ARAB EMIRATES																
41194 DUBAI INTERNATIONAL AIRPORT	2515N	05520E	5		997.8	999.0	36.3	1.9	26.1	-3.2				342	108	
41217 ABU DHABI INTER. AIRPORT	2426N	05439E	27		995.8	998.6	37.6	3.2	23.8	-6.5	0	T	-1	5	330	103
41218 AL AIN INTERNATIONAL AIRPORT	2416N	05536E	262		970.0	998.6	38.1	3.7			1	2	1	308	96	
OMAN																
41256 SEEB, INTERNATIONAL AIRPORT	2335N	05817E	8		998.8	999.8	31.6		24.1		0	0		339		
41268 SUR	2232N	05929E	14		999.0	1000.5	32.8		28.7		7	0				
41314 THUMRAIT	1740N	05402E	467		952.8	1004.0	28.1		22.5		0	0				
41316 SALALAH	1702N	05405E	20		1003.3	1006.0	24.8		28.2		8	23		3	20	
PAKISTAN																
41530 PESHAWAR	3401N	07135E	360			997.7	31.3	.6	29.7		6	26	-41	2		
41560 PARACHINAR	3352N	07005E	1725		822.5	1438 Y					10	77	-25		100	
41598 JHELUM	3256N	07343E	234		972.9	998.5	30.8	.9	30.7		9	157	-64	1	115	
41620 ZHOB	3121N	06928E	1407		850.3	1406 Y	29.4	.5	16.3		3	17	-41	1		
41624 DERA ISMAIL KHAN	3149N	07055E	173		978.7	997.6	31.9	.0	32.1		3	11	-46	1		
41640 LAHORE CITY	3133N	07420E	215		975.2	998.6	31.2	.5	30.6		5	130	-33	3		
41660 QUETTA AIRPORT	3015N	06653E	1587			1412 Y	26.8	.4	9.6		1	16	4	5		
41675 MULTAN	3012N	07126E	123		985.1	998.4	32.2	-.8	29.2		1	1	-31	1		
41712 DAL BANDIN	2853N	06424E	850		906.7	1429 Y	33.3	.8	9.4		0	0	-1	5		
41715 JACOBABAD	2818N	06828E	56		992.1	998.3	31.7	-1.5	31.7		1	14	-12	4		
41739 PANJGUR	2658N	06406E	981		993.3	1422 Y	31.5	.8	16.7		0	0	-9	3	120	
41756 JIWANI	2504N	06148E	57		994.5	1000.8	26.1	-2.5	27.3		0	0	-3	4		
41768 CHHOR	2531N	06947E	6		999.8	1000.7	29.9	-.2	28.7		2	19	-55	2		
41780 KARACHI AIRPORT	2454N	06708E	22		999.4	1001.7	29.4	.5	27.4		0	T	-67	1		

SURFACE

AUGUST 1999

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	
INDIA																
42027	SRINAGAR	3405N	07450E	1587	834.6	1425 Y	23.6	.1	18.9	11	43	-33	2	210		
42071	AMRITSAR	3138N	07452E	234	987.9	999.1	29.9	.2	31.8	8	258	71	4	250	110	
42147	MUKTESHWAR KUMAON	2928N	07939E	2311	772.3	3142 Z	18.1	1.2	18.2	11	83	-198	0			
42165	BIKANER	2800N	07318E	224		998.9	31.9	.2	25.3	1	22	-49	1			
42182	NEW DELHI/SAFDARJUNG	2835N	07712E	216	975.8	999.5	31.2	1.2	29.8	7	65	-170	1	197	111	
42261	AGRA	2710N	07802E	169	981.5	999.7			30.5	9	290	63	4			
42314	DIBRUGARH/MOHANBARI	2729N	09501E	111	990.5	1003.0	27.7	-.7	31.7	26	385	-44	3	118		
42339	JODHPUR	2618N	07301E	224		1001.1	28.9		26.1	4	128		3			
42410	GAUHATI	2606N	09135E	54	996.0	1002.0	28.8	.0	33.3	25	385	158	5	121	75	
42452	KOTA AERODROME	2509N	07551E	274		1001.5	29.3	1.0	27.7	10	93	-150	1			
42475	ALLAHABAD/BAMHRAULI	2527N	08144E	98	989.1	1000.0	29.7	.5	34.2	15	182	-84	2	127	71	
42515	CHERRAPUNJI	2515N	09144E	1313	863.3	1448 Y			23.0	22	1427	-333	3			
42587	DALTONGANJ	2403N	08404E	221	971.9	997.3			32.2	12	247	-43	2			
42619	SILCHAR	2445N	09248E	29	998.8	1002.1			33.5	15	177		1			
42647	AHMADABAD	2304N	07238E	55	997.5	1003.8	28.7	.5	29.7	4	36	-252	0	138	124	
42671	SAGAR	2351N	07845E	551	941.3	1001.7	25.3	-.3	28.4	31	423	-44	3			
42731	DWARKA	2222N	06905E	11	1002.7	1004.0	28.3	.2	31.5	5	18	-60				
42754	INDORE	2243N	07548E	567	941.4	1003.6	25.6	.5	26.8	6	120	-240	0	109	138	
42807	CALCUTTA/ALIPORE	2232N	08820E	6	1000.1	1000.9	28.9	-.2	34.2	22	523	174	5	73	70	
42867	NAGPUR SONEGAON	2106N	07903E	310	968.1	1002.5	26.9	-.2	28.7	16	325	34	4	98	84	
42909	VERAVAL	2054N	07022E	8	1004.0	1004.9	27.9	.5		9	33	-135	1			
42933	AKOLA	2042N	07702E	282	971.7	1003.1	27.1	.0	27.6	10	244	7	4			
42971	BHUBANESWAR	2015N	08550E	46	996.4	1001.6	28.5	.1	34.5	20	309	-80	2	94	73	
43041	JAGDALPUR	1905N	08202E	553	942.9	1003.5	25.2	-.2	27.9	25	757	390	6			
43057	BOMBAY/COLABA	1854N	07249E	11	1004.5	1005.7	27.8	.5	27.9	17	169	-318	1	91	121	
43063	POONA	1832N	07351E	559	944.4	1006.1	24.5	.0	24.5	9	36	-93	1	111	99	
43128	HYDERABAD AIRPORT	1727N	07828E	545	944.9	1004.7	26.0	-.2	25.9	13	122	-41	2	126	92	
43149	VISHAKHAPATNAM	1743N	08314E	3	1001.5	1002.4	30.3	.8	31.4	12	162	-7	4			
43185	MACHILIPATNAM	1612N	08109E	3	1003.5	1003.9	29.7	.7	31.5	9	83	-98	2	119		
43192	GOA/PANJIM	1529N	07349E	60	1001.1	1007.9	26.9	.5	31.7	19	182	-440	1	133	109	
43198	BELGAUM/SAMBRA	1551N	07437E	747	925.2	1007.1	23.3	.4	23.5	15	75	-69	1			
43279	MADRAS/MINAMBAKKAM	1300N	08011E	16	1003.9	1005.5	30.2	.1	28.3	9	193	55	4	160	83	
43295	BANGALORE	1258N	07735E	921	906.9	1483 Y	24.1	.6	22.2	10	95	-24	2	110	96	
43314	KOZHIIKODE	1115N	07547E	5	1009.0	1009.6	26.9	1.0	31.3	16	230	-242	0			
43333	PORT BLAIR	1140N	09243E	79	999.7	1008.5	26.1	.1	29.9	21	409	-16	3	84	83	
43363	PAMBAN	0916N	07918E	11	1005.9	1007.2			30.7	0	0	-9	2			
43369	MINICOY	0818N	07309E	2	1009.7	1009.9	28.3	.8	31.4	14	198	-43	2	220	118	
43371	THIRUVANANTHAPURAM	0829N	07657E	64	1002.4	1009.7	27.1	.7	29.5	13	81	-71	2	179	108	
SRI LANKA																
43418	TRINCOMALEE	0835N	08115E	7	998.9	1007.5	30.8	.9	25.7	-1.2	2	29	-60			
43466	COLOMBO	0654N	07952E	7	1008.9	1009.7	27.8	.2	31.0	1.9	14	107	-7	251	125	
43497	HAMBANTOTA	0607N	08108E	20	1007.4	1009.1	27.4	.0	30.3	2.2	9	31	-24			
MONGOLIA																
44203	RINCHINLHUMBE	5107N	09940E	1583	837.7	1011.0	11.3	.7	25.1	16.3	10	48	-10	2		
44207	HATGAL	5026N	10009E	1668	829.4	1009.6	11.0	.8	9.1	.7	9	71	-1	3		

SURFACE

AUGUST 1999

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
44212 ULAAN-GOM	4959N	09205E	939		904.5	1008.4	17.5	.9	11.3	.9	8	41	19	3	266	90
44213 BARUUNTURUUN	4939N	09424E	1232		873.2	1008.0	16.3	1.0	16.6	5.8	6	33	-10	2		
44214 UIGI	4856N	08956E	1715		824.7	1006.9	16.0	1.5	10.9	1.2	8	40	20	3		
44215 OMNO-GOBI	4901N	09143E	1590		837.0	1006.4	15.7	1.5	10.0	.6	4	24	-3	2		
44218 HOVD	4801N	09134E	1405		854.7	997.4	19.3	2.6	12.2	2.0	3	42	20	4		
44225 TOSONTSENGEL	4844N	09812E	1723		824.2	1009.0	13.4	1.7	8.7	.0	9	40	-6	2		
44230 TARIALAN	4934N	10200E	1235		874.1	1010.0	15.3	1.3	11.8	.7	7	107	28	3		
44231 MUREN	4934N	10010E	1283		866.7	1007.7	16.5	2.1	9.7	-.7	3	21	-33	1	317	116
44232 HUTAG	4923N	10242E	938		904.1	1009.2	16.6	1.2	13.7	1.4	6	113	25	3		
44237 ERDENEMANDAL	4832N	10123E	1509		844.6	1007.3	14.9	2.1	11.2	.1	8	38	-37	1		
44239 BULGAN	4848N	10333E	1208		873.8	1006.9	15.1	1.2	11.4	.3	7	47	-16	1		
44241 BARUUNKHARAA	4855N	10604E	807		917.0	1007.3	17.8	1.5	12.5	.8	7	57	-2	2		
44256 DASHBALBAR	4933N	11424E	705		926.4	1003.3	16.3	-.1	13.3	.2	8	59	-28	2		
44259 CHOIBALSAN	4805N	11433E	747		924.2	1018.4	18.4	.5	11.6	-1.8	7	332	289	6	308	107
44265 BAITAG	4607N	09128E	1186		878.6	1007.6	19.7	1.2	13.8	3.3	3	23	14	3		
44272 ULIATAI	4745N	09651E	1759		818.3	1004.8	15.0	1.7	8.7	-.2	10	57	9	4	265	92
44275 BAYANBULAG	4650N	09805E	2255		772.6	1006.2	12.4	2.3	9.0	.8	5	24	3	3		
44277 ALTAI	4624N	09615E	2181		781.4	1008.2	13.7	1.4	11.2	3.6	7	87	47	6		
44282 TSETSERLEG	4727N	10128E	1691		826.7	1008.0	14.9	2.1	9.5	-.4	8	68	2	2		
44284 GAIUUT	4642N	10008E	2126		786.5	1009.0	13.1	1.9	7.8	-.1	8	75	22	3		
44285 HUJIRT	4654N	10246E	1662		829.5	1006.7	15.3	2.5	10.8	.7	5	16	-48	1		
44287 BAYANHONGOR	4608N	10041E	1859		810.4	1005.1	16.3	1.8	10.2	.8	7	52	4	2		
44288 ARVAIHEER	4616N	10247E	1813		814.8	1002.1	16.1	2.2	10.4	.8	7	33	-20	1		
44292 ULAAN-BAATOR	4755N	10652E	1306		865.1	1007.5	16.5	1.8	9.5	-.9	8	48	-3	2	263	102
44294 MAANTI	4718N	10729E	1430		852.1	1006.3	15.6	1.3	3.9	-7.3	10	52	1	2		
44298 CHOIR	4627N	10813E	1286		866.7	1006.0	18.3	1.4	9.7	-2.7	3	11	-32	1		
44302 BAYAN-OVOO	4747N	11207E	926		903.9	1007.0	17.4	.7	11.8	-.6	6	63	-11	2		
44304 UNDERKHAAN	4719N	11038E	1033		893.2	1006.3	17.6	1.1	10.8	-1.2	11	53	4	2		
44305 BARUUN-URT	4641N	11317E	981		899.0	1007.7	19.2	1.2	12.8	.2	4	54	4	2		
44313 KHALKH-GOL	4737N	11837E	688		933.0	1007.8	18.3	.6	10.7	-3.0	9	34	-27	1		
44314 MATAD	4710N	11538E	907		908.0	1007.1	18.0	-.3	12.2	-.5	5	26	-24	1		
44336 SAIKHAN-OVOO	4527N	10354E	1316		863.9	1005.5	20.7	2.4	9.4	-.9	2	13	-12	1		
44341 MANDALGOVI	4546N	10617E	1393		856.1	1006.0	18.6	1.6	7.4	-3.7	6	38	-5	1		
44347 TSOGT-OVOO	4425N	10519E	1298		865.4	1003.3	21.7	2.0	13.2	1.3	4	24	1	2		
44352 BAYANDELGER	4544N	11222E	1101		887.1	1006.8	19.4	1.0	10.1	-2.9	5	34	-18	1		
44358 ZAMYN-UUD	4344N	11154E	964		900.8	1006.1	22.1	1.3	10.5	-2.7	4	21	-8	2		
44373 DALANZADGAD	4335N	10425E	1465		848.7	1003.8	21.6	2.3	11.5	.8	4	54	22	4	276	90
NEPAL																
44454 KATHMANDU AIRPORT	2742N	08522E	1337		859.8	1438 Y	23.8		26.2		23	392			89	55
HONG KONG, CHINA																
45004 KING'S PARK	2219N	11410E	66		997.5	1005.0	27.7	-1.0	31.1	.1	19	932	537	6	139	67
REPUBLIC OF KOREA																
47101 CHUNCHON	3754N	12744E	75		999.1	1007.7	24.5	.1	25.1	1.0	10	563	277	5	208	122
47105 KANGNUNG	3745N	12854E	27		1006.3	1009.4	23.9	-.7	23.5	-1.3	14	462	201	5	122	79
47108 SEOUL	3734N	12658E	87		997.7	1007.5	26.0	.6	24.6	-.8	9	601	307	5	161	108
47115 ULLUNGDO	3729N	13054E	223		985.4	1010.7	23.2	-.6	25.7	.8	13	263	130	5	117	72

SURFACE

AUGUST 1999

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	%
47133 TAEJON	3618N	12724E	78		1000.1	1008.1	25.6	.2	26.5	.5	12	203	-74	2	164	87
47138 POHANG	3602N	12923E	6		1009.0	1009.5	24.4	-1.2	26.6	.9	15	394	222	6	132	74
47159 PUSAN	3506N	12902E	71		1000.0	1008.1	25.2	-.7	26.6	-.2	17	583	380	6	159	75
47165 MOKPO	3447N	12623E	56		1002.8	1007.1	25.3	-.9	25.4	-2.3	12	280	125	5	192	89
47168 YOSU	3444N	12744E	68		999.4	1007.0	25.0	-.9	26.2	-.4	16	336	107	4	136	61
47184 CHEJU	3331N	12632E	24		1004.0	1006.7	25.6	-1.0	27.2	-.8	16	643	402	5	103	46
JAPAN																
47401 WAKKANAI	4525N	14141E	11		1009.3	1010.6	21.0	1.8	22.0	3.4	8	237	125	6	188	127
47407 ASAHIKAWA	4346N	14222E	116		997.8	1011.1	23.9	3.0	23.6	4.0	6	57	-101	1	210	130
47409 ABASHIRI	4401N	14417E	43		1006.6	1011.6	22.5	3.4	22.4	3.8	4	14	-90	0	223	141
47412 SAPPORO	4303N	14120E	26		1008.0	1010.9	24.9	3.2	24.5	4.2	7	103	-39	3	210	125
47418 KUSHIRO	4259N	14424E	37		1008.3	1012.6	19.8	2.0	20.6	2.5	4	29	-89	1	131	106
47420 NEMURO	4320N	14535E	39		1008.2	1012.7	20.1	3.0	20.9	3.2	4	68	-45	2	155	125
47421 SUTTSU	4248N	14014E	38		1006.4	1010.7	23.6	2.7	25.5	4.5	9	137	-1	4	217	133
47426 URAKAWA	4210N	14247E	37		1007.8	1012.0	22.3	2.4	23.7	3.0	4	31	-121	0	176	116
47430 HAKODATE	4149N	14045E	43		1006.0	1011.0	24.4	2.8	26.3	4.8	4	64	-93	1	195	128
47575 AOMORI	4049N	14046E	3		1010.0	1010.4	25.8	2.9	25.2	2.6	5	87	-52	2	231	122
47582 AKITA	3943N	14006E	21		1007.6	1010.0	27.3	2.9	25.5	1.6	9	156	-33	3	201	100
47585 MIYAKO	3939N	14158E	46		1005.9	1011.2	24.8	2.5	25.6	2.6	10	184	16	3	200	123
47598 ONAHAMA	3657N	14054E	5		1010.7	1011.2	25.8	1.9	27.9	2.8	5	203	66	4	238	124
47600 WAJIMA	3723N	13654E	14		1007.9	1009.5	26.4	1.2	28.4	2.6	14	197	17	4	215	100
47602 AIKAWA	3802N	13815E	17		1007.4	1009.3	27.6	2.5	26.4	.9	11	117	-20	3	220	102
47605 KANAZAWA	3635N	13638E	33		1005.5	1009.2	28.0	1.4	26.4	.3	10	181	10	4	210	103
47618 MATSUMOTO	3615N	13758E	611		942.0	1009.1	25.5	1.4	21.8	.4	6	103	10	4	196	97
47624 MAEBASHI	3624N	13904E	113		997.5	1010.3	27.2	1.3	27.3	2.0	15	558	387	6	155	96
47636 NAGOYA	3510N	13658E	56		1004.1	1010.4	27.9	.8	28.1	1.7	9	169	24	4	195	99
47648 CHOSHI	3544N	14052E	28		1008.1	1011.2	26.9	2.0	29.8	2.5	3	14	-93	1	290	135
47655 OMAEZAKI	3436N	13813E	47		1005.2	1010.5	27.0	.9	29.3	.5	13	181	-34	3	236	106
47662 TOKYO	3541N	13946E	36		1006.2	1010.3	28.5	1.4	28.7	2.8	10	301	154	5	194	110
47663 OWASE	3404N	13612E	27		1006.9	1010.0	26.6	.6	30.0	2.8	17	542	-10	3	144	89
47675 OSHIMA	3445N	13222E	79		1001.8	1010.8	26.7	2.2	29.1	1.8	14	364	145	5	204	120
47678 HACHIJUJIMA	3306N	13947E	80		1001.8	1010.9	27.2	.7	30.3	.9	14	123	-81	2	193	97
47740 SAIGO	3612N	13320E	31		1005.4	1009.0	26.3	.6	26.5	-.4	9	77	-53	2	211	94
47741 MATSUE	3527N	13304E	22		1006.1	1008.5	26.8	.3	27.7	.4	10	78	-67	2	153	71
47750 MAIZURU	3527N	13519E	22		1007.0	1009.5	27.2	.9	26.4	.4	10	155	2		169	88
47755 HAMADA	3454N	13204E	20		1005.9	1008.2	26.6	.3	26.6	-.2	11	111	-20	3	157	71
47772 OSAKA	3441N	13531E	83		1000.1	1009.4	29.1	.9	25.6	-.4	6	156	62	5	221	107
47778 SHIONOMISAKI	3327N	13546E	75		1001.2	1009.7	26.9	.5	29.3	.3	19	520	248	5	192	86
47800 IZUHARA	3412N	12918E	19		1005.9	1008.0	25.6	-.6	27.1	-.8	15	430	188	5	103	59
47807 FUKUOKA	3335N	13023E	15		1006.0	1007.6	27.6	.0	27.1	-.3	15	195	30	4	129	62
47815 OITA	3314N	13137E	13		1006.8	1008.2	26.9	.1	27.2	-.2	14	325	151	5	156	78
47817 NAGASAKI	3244N	12952E	35		1003.5	1007.5	27.5	-.1	28.1	-.1	17	350	164	5	136	61
47827 KAGOSHIMA	3133N	13033E	31		1004.5	1008.0	27.9	.0	28.9	.2	21	434	221	5	149	72
47830 MIYAZAKI	3155N	13125E	7		1007.4	1008.2	27.7	.5	28.6	-.6	16	656	362	5	166	75
47837 TANEGASHIMA	3044N	13100E	18		1006.0	1008.0	27.6	.1	30.0	-.6	15	254	49	4	186	78
47843 FUKUE	3242N	12850E	26		1004.1	1007.1	26.5	-.2	28.2	-.8	15	289	67	4	121	57
47887 MATSUYAMA	3350N	13247E	34		1004.6	1008.4	27.2	.0	26.2	.3	12	184	86	5	162	74
47891 TAKAMATSU	3419N	13403E	10		1007.8	1008.9	27.9	.8	26.8	-.6	10	62	-31	3	191	82

SURFACE

AUGUST 1999

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	%
47898 SHIMIZU	3243N	13301E	33		1005.2	1008.9	27.5	.3	29.9	.2	15	184	-62	3	198	85
47899 MUROTOMISAKI	3315N	13411E	186		988.3	1009.3	26.1	.2	31.0	2.1	18	352	117	5	183	81
47909 NAZE	2823N	12930E	7		1007.1	1007.9	27.9	-.2	29.6	-.4	16	374	63	4	127	66
47918 ISHIGAKIJIMA	2420N	12410E	7		1006.8	1007.6	29.2	.4	31.2	-.4	14	157	-78	2	257	109
47927 MIYAKOJIMA	2447N	12517E	41		1003.2	1007.8	28.3	.3	31.4	.4	15	268	42	4	222	94
47936 NAHA	2612N	12741E	53		1001.9	1007.8	28.4	.3	31.3	.7	9	211	-47	3	173	75
47945 MINAMIDAITOJIMA	2550N	13114E	20		1006.5	1008.8	27.9	.0	30.9	.0	9	173	-19	3	235	101
47971 CHICHIJIMA	2705N	14211E	8		1010.7	1011.6	27.4	-.1	29.8	-.5	7	68	-21		199	92
47991 MINAMITORISHIMA	2418N	15358E	9		1012.1	1013.1	28.6	.8	30.2	.3	13	81	-86		259	99
THAILAND																
48327 CHIANG MAI	1847N	09859E	314		970.6	1005.9	27.1	.5	30.8	2.8	19	150	-86	2	75	52
48354 UDON THANI	1723N	10248E	182		985.9	1006.0	28.3	.8	30.5	.7	16	215	-61	2		
48378 PHITSANULOK	1647N	10016E	45		1001.3	1006.5	28.3	.5	31.1	1.2		221	-36	3	128	77
48400 NAKHON SAWAN	1548N	10010E	35		1002.7	1006.7	28.2	-.2	30.2	.2	14	124	-71	1	151	90
48431 NAKHON RATCHASIMA	1458N	10205E	188		985.7	1006.8	29.0	1.4	28.9	.7	16	99	-29	2		
48462 ARANYAPRATHET	1342N	10235E	49		1002.2	1007.7	27.9	.5	29.9	-.1	11	66	-136	0		
48480 CHANTHABURI	1236N	10207E	4		1007.9	1008.4	27.3	.3	30.8	.2	23	332	-182	1	129	101
48500 PRACHUAP KHIRIKHAN	1150N	09950E	5		1007.6	1008.2	27.9	.4	28.2	-.4	7	111	8	3		
48517 CHUMPHON	1029N	09911E	5		1007.0	1008.8	27.4	.5	27.9	-1.4	10	101	-105	1		
48568 SONGKHLA	0712N	10036E	5		1008.6	1009.4	28.0	-.3	27.5	-1.2	13	212	112	5	221	104
LAO PDR																
48930 LUANG-PRABANG	1953N	10208E	305		917.5	1005.6	26.5	-.2	31.1	.4	21	284	-4	3		
48938 SAYABOURY	1914N	10144E	326		982.7	1001.9	26.6	-.1	28.8	-1.9	18	232	-56			
48940 VIENTIANE	1757N	10234E	171		986.3	1005.6	27.5	.3	30.0	-.4	23	241	-81	2		
48946 THAKHEK	1723N	10439E	152		994.4	1007.6	27.5	.3	30.2	-.2	21	332	10			
48947 SAVANNAKHET	1633N	10439E	145		991.3	1008.6	28.7	1.7	29.6	1.0	15	132	-212			
48948 SENO	1640N	10500E	185		984.3	1005.4	24.2	-2.8	27.0	-1.6	15	189	-155	2		
48955 PAKSE	1507N	10510E	102		994.6	1005.1	27.9	1.4	29.7	.0	20	375	-148	1		
CHINA																
50527 HAILAR	4913N	11945E	611		938.4	1008.0	17.9	.7	13.1	-1.2	8	51	-38	2	266	98
50745 QIQIHAR	4723N	12355E	148		991.2	1008.4	20.6	-.3	17.4	-.6	9	151	57	5	260	97
51076 ALTAY	4744N	08805E	737		925.5	1007.8	21.2	.9	12.1	1.6					317	97
51431 YINING	4357N	08120E	663		934.0	1007.9	22.8	1.0	14.9	1.5	4	27	16	5	330	105
51463 URUMQI	4347N	08737E	919		906.9	1007.7	23.0		12.2		5	61		5	276	90
51777 RUOQIANG	3902N	08810E	889		905.7	1001.8	26.3	.3	15.1	4.7	4	25	23	6	292	96
52533 JIUQUAN	3946N	09829E	1478		847.9	1004.6	21.3	.9	12.3	.8	4	19	2	4	269	95
52836 DULAN	3618N	09806E	3192				15.5	1.3	7.5	.6	5	22	-7	3	275	99
52889 LANZHOU	3603N	10353E	1518		844.2		23.2	2.2	14.5	-.6	4	17	-58	1	243	99
53614 YINCHUAN	3829N	10613E	1112			1005.2	23.0	1.4	16.6	-.8	2	22	-29	1	260	95
53772 TAIYUAN	3747N	11233E	779		921.6	1007.7	23.1	1.3	19.7	.0	5	177	83	5	256	112
54292 YANJI	4253N	12928E	178		988.8	1009.3	22.4	1.1	20.1	-.1	9	56	-78	1	244	134
54342 SHENYANG	4146N	12326E	43		1002.5	1008.4	23.8	.2	22.2	-.4	8	157	0	3	200	90
54511 BEIJING	3956N	11617E	55		1004.1	1007.8	25.6	1.0	21.6	-2.5	5	64	-118	1	210	92
54857 QINGDAO	3604N	12020E	77		996.3	1004.9	24.7	-.6	25.9	-.9	6	56	-100	1	175	79
55591 LHASA	2940N	09108E	3650		653.9		15.2	.7	11.3	.7	20	161	39	5	169	74
56137 QAMDO	3109N	09710E	3307		683.3		14.5	-.9	11.5	.6	22	180	87	5	151	75

SURFACE

AUGUST 1999

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	%		
56739 TENGCHONG	2507N	09829E	1649		831.6		19.5	-.3	20.3	.1	25	412	163	5	73	66
56778 KUNMING	2501N	10241E	1892		808.6		19.5	.4	18.4	.0	24	375	170	5	92	57
56985 MENGZI	2323N	10323E	1302		865.7	1005.2	22.1		21.8		20	203		4	95	60
57036 XI'AN	3418N	10856E	398		961.0	1005.6	26.4	1.1	23.2	-.4	4	97	31	4		
57083 ZHENGZHOU	3443N	11339E	111		994.9	1007.6	25.9	.1	26.2	-.1	6	98	-19	3	207	96
57461 YICHANG	3042N	11118E	134		991.1	1006.3	27.5	-.1	26.0	-2.4	10	53	-132	1	209	98
57745 ZHIJIANG	2727N	10941E	273		975.2	1006.0	25.8	-1.2	27.6	-.1	12	174	52	5	176	74
59287 GUANGZHOU	2308N	11319E	8		1000.7	1005.7	27.7	-.6	31.4	.0	19	491	271	5	126	64
59316 SHANTOU	2324N	11641E	3		1005.3	1006.2	28.2	.2	31.4	-.1	12	268	54	4	196	85
59431 NANNING	2249N	10821E	73		990.7	1005.0	27.0	-1.0	30.6	-.1	16	193	-21	3	150	74
59758 HAIKOU	2002N	11021E	24		1003.1	1005.1	28.2	.4	31.4	-.4	14	206	-18	3	202	90
AFRICA																
MADEIRA																
08522 FUNCHAL	3238N	01654W	56		1010.8	1017.5	23.9	1.6	21.0	.9	3	6	3	5	228	95
WESTERN SAHARA																
60096 VILLA CISNEROS	2342N	01552W	10		1010.3	1012.0	23.3		23.5		0	T		0	270	
MOROCCO																
60101 TANGER (AERODROME)	3544N	00554W	21		1012.1	1014.0	23.7	-.2	21.0		2	8	6	5	343	100
60115 OUJDA	3447N	00156W	470		960.4	1012.7	26.1	.9	17.8		0	0	-4	2	302	70
60120 KENITRA	3418N	00636W	14		1012.5	1014.2	23.6	.3	23.2		0	0	-1	0	334	105
60135 RABAT-SALE	3403N	00646W	75		1005.1	1014.3	22.9	.5	23.0		0	0	-1	0	324	20
60150 MEKNES	3353N	00532W	549		950.5	1012.7	24.8	-.5	17.9		0	T	-1	2	327	95
60155 CASABLANCA	3334N	00740W	62		1007.5	1014.3	23.6	.9	24.8		0	0	-1	0	313	0
60195 MIDEKT	3241N	00444W	1515		852.3	1539 Y	25.7	1.5	15.3		4	0035	0028		252	
60220 ESSAOUIRA	3131N	00947W	8		1012.6	1013.4	19.7	.2	18.8		0	0	-1	4	302	95
60230 MARRAKECH	3137N	00802W	466		960.4	1012.2	27.8	-.5	18.6		0	0	-3	2	301	95
60265 OUARZAZATE	3056N	00654W	1140		889.0	1540 Y	30.0	1.2	10.5		4	29	24	6	307	75
60318 TETUAN/SANIA RAMEL	3535N	00520W	10		1013.0	1014.2	26.0		21.0		0	0		2	324	110
TUNISIA																
60715 TUNIS-CARTHAGE	3650N	01014E	4		1012.2	1012.7	30.5	3.7	24.7		1	6	-1	4	316	96
60725 JENDOUBA	3629N	00848E	144		996.8	1012.8	31.5	4.4	18.1		1	3	-12	2	283	90
60735 KAIROUAN	3540N	01006E	68		1005.5	1013.1	33.1	4.4	23.6		1	3	-10	2	311	93
60745 GAFSA	3425N	00849E	314		977.3	1013.0	32.8	4.1	16.3		1	11	3	5	322	96
60765 GABES	3353N	01006E	5		1012.4	1013.0	30.0	2.6	29.1		0	0	-1	4	328	93
NIGER																
61024 AGADEZ	1658N	00759E	502		953.7	1008.8	28.8		24.2		12	122		5	236	80
61036 TILLABERY	1412N	00127E	210		986.8	1010.4	27.9		27.7		12	90		1	226	
61043 TAHOUA	1454N	00515E	391		966.3	1009.7	27.0		27.3		16	305		5	227	85
61045 GOURE	1359N	01018E	460		960.8	1009.6	27.0		25.0		15	160			253	
61052 NIAMEY-AERO	1329N	00210E	227		985.6	1010.6	27.3		27.7		14	151		2	215	95
61075 BIRNI-N'KONNI	1348N	00515E	273		979.6	1010.2	26.8		28.4		22	244		5	208	85

SURFACE

AUGUST 1999

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	%
MALI																
61202 TESSALIT	2012N	00059E	491		954.4	1007.6	32.1		18.9		1	97	71		220	143
61214 KIDAL	1826N	00121E	459		958.4	1008.5	31.3	-1.0	21.9		7	104	61	5	220	80
61223 TOMBOUCTOU	1643N	00300W	264		980.4	1009.8	29.0		27.4		12	216	153		236	93
61226 GAO	1616N	00003W	260		981.1	1010.0	29.0	-2.0	25.9		10	168	99		204	81
61250 MENAKA	1552N	00213E	278				28.9		27.1		10	201	118		228	103
61265 MOPTI	1431N	00406W	272				26.9	-0.9	28.0		16	234	79	6		
61270 KITA	1304N	00928W	334		974.0	1011.5	24.6	-0.8	27.0		24	475	193	5	133	68
61272 SEGOU	1324N	00609W	289		978.7	1011.0	25.9	-0.6	28.2		18	369	159	5		
61277 SAN	1320N	00450W	284		979.4	1011.1	26.1	-0.7	28.9		17	232	20	2	181	77
61291 BAMAKO/SENOU	1232N	00757W	381		969.7	1010.7	24.8	-1.3	27.1		25	297	63		141	65
61293 KOUTIALA	1223N	00528W	367		969.9	1010.9	25.0	-0.7	26.9		19	243	2	2		
MAURITANIA																
61415 NOUADHIBOU	2056N	01702W	3		1010.8	1011.3	24.0		24.5		2	17				
SENEGAL																
61600 SAINT-LOUIS	1603N	01627W	4		1010.7	1011.2	28.0		31.1	.7	10	147	53	3	218	88
61627 LINGUERE	1523N	01507W	21		1008.8	1011.1	28.5		31.6	3.1	11	163	21	2		
61630 MATAM	1539N	01315W	17		1008.8	1010.7	29.2		29.2	1.6	13	210	77	4	161	63
61641 DAKAR/YOFF	1444N	01730W	24		1008.2	1011.5	27.5		29.8	.4	11	100	-64	1	188	84
61679 KAOLACK	1408N	01604W	7		1011.8	1012.6	27.6		31.8		20	321	101	4	181	78
MAURITIUS																
61974 AGALEGA	1026S	05645E	3		1014.4	1014.7	25.4	.4	23.9	-0.9	6	16	-47	0	262	
61986 ST. BRANDON (ST. RAPHAEL)	1627S	05937E	4		1019.1	1019.4	23.3	.2	22.1	-0.6	9	38	-13	2		
61988 RODRIGUES	1941S	06325E	59		1015.6	1021.9	21.8	.4	18.3	-0.5	16	79	18	5	255	105
61990 PLAISANCE (MAURITIUS)	2026S	05740E	57		1016.7	1022.6	21.3	.5	18.8	-0.2	15	92	3	4	179	95
EGYPT																
62306 MERSA MATRUH	3120N	02713E	29		1006.2	1009.7	23.6	-1.9	25.3	1.2	0	0		3	359	101
62337 EL ARISH	3105N	03350E	38		1004.4	1007.9	27.2	1.0	25.4	1.4	0	0		0		
62378 HELWAN	2952N	03120E	141		991.8	1007.9	29.0	1.4	21.1	1.6	0	0		4	352	104
62414 ASSWAN	2358N	03247E	194		984.5	1005.9	34.6	1.4	11.6	1.3	0	0		3	362	101
62417 SIWA	2912N	02529E	-13		1010.3	1008.7	31.4	2.0	18.5	2.4	0	0		0	378	104
62435 KHARGA	2527N	03032E	73		997.2	1006.1	33.7	1.7	13.7	-1.5	0	0		3	369	101
SUDAN																
62600 WADI HALFA	2149N	03129E	183		985.1	1005.4	35.3	2.8	11.6		0	T	-1	5	323	80
62640 ABU HAMED	1932N	03319E	312		971.3	1005.1	35.4	.9	15.9		2	8	2	5	268	65
62641 PORT SUDAN	1935N	03713E	2		1000.5	1005.1	36.2	1.7	23.2			4	3	0	265	65
62650 DONGOLA	1910N	03029E	226		979.8	1005.5	34.2	.7	13.9		0	T	-3	3	280	70
62660 KARIMA	1833N	03151E	249				34.1	-0.3	18.2		3	51	40	5	256	60
62680 ATBARA	1742N	03358E	345		968.0	1006.7	33.1	-0.4	18.0		3	82	56	5	244	60
62721 KHARTOUM	1536N	03233E	380		964.3	1007.5	30.4	-1.1	23.5		7	47	-28	3		
62730 KASSALA	1528N	03624E	500		953.1	1008.5	28.1	-1.0	22.9		9	146	61	5	276	70
62751 WAD MEDANI	1424N	03329E	408		964.6	1010.1			26.7			133	21	0	229	55
62752 GEDAREF	1402N	03524E	599		942.3	1009.1	25.9	-0.4	24.7		15	343	159	5	213	50
62760 EL FASHER	1337N	02520E	730		928.4	1008.3	26.7	-1.2	24.1		10	127	40	5	266	65

SURFACE

AUGUST 1999

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	
62762 SENNAR	1333N	03337E	418		961.5	1008.8	26.8	-1.2	25.7		15	192	57	5	193	45
62770 GENEINA	1329N	02227E	805		923.2	1011.5	25.0	-.8	23.4		16	251	37	5		
62771 EL OBEID	1310N	03014E	574		945.1	1008.9	26.1	-1.4	25.3		5	139	29	4	210	55
62772 KOSTI	1310N	03240E	381		966.9	1009.5	27.6	-.6	26.4		29	82	-37	2	170	
62781 EN NAHUD	1242N	02826E	564		948.3	1010.7	27.0	-.7	24.2		11	131	16	4	180	60
62795 ABU NA'AMA	1244N	03408E	445		957.2	1006.9	25.9	-.8	26.0		16	270	125	5	172	45
62805 DAMAZINE	1147N	03423E	470		953.5	1006.9	25.5	-.6	26.5		15	129	-42	4	170	40
62840 MALAKAL	0933N	03139E	388		967.2	1011.0	25.5	-.8	26.2		10	173	10	4	191	
ETHIOPIA																
63450 ADDIS ABABA-BOLE	0902N	03845E	2354		773.6	1012 Y	14.1		13.5		28	242		5		
KENYA																
63619 MOYALE	0332N	03903E	1097		893.5	1543 Y			15.6		4	12			126	
63686 ELDORET	0032N	03517E	2133		790.8	1497 Y			13.7		14	129			216	
63740 NAIROBI/KENYATTA AIRPORT	0119S	03655E	1624		840.8	1626 Y	19.1					3		0	91	
UNITED REPUBLIC OF TANZANIA																
63756 MWANZA	0228S	03255E	1140		888.5	1523 Y	22.1		16.4		5	59	34	5		
KENYA																
63799 MALINDI	0314S	04006E	23		1014.5	1017.1	24.6				14	109			169	
UNITED REPUBLIC OF TANZANIA																
63832 TABORA AIRPORT	0505S	03250E	1190		883.7	1512 Y	23.6		14.4		12	0	-2	0		
63862 DODOMA	0610S	03546E	1120		893.2	1544 Y	20.8		15.3		0	0	0	0		
63894 DAR ES SALAAM AIRPORT	0652S	03912E	55		1011.0	1017.3	23.6		23.5		6	20	-7	1		
63962 SONGEA	1041S	03535E	1067		900.3	1558 Y			15.0		1	2	2	4		
63971 MTWARA	1016S	04011E	113		1004.3	1017.3	24.0		23.0		1	2	-7	1		
SEYCHELLES																
63980 SEYCHELLES INT. AIRPORT	0440S	05531E	3		1012.4	1012.8	26.4	.5	27.6	1.1	17	168	71	5	161	70
DEMO. REPUBLIC OF THE CONGO																
64235 KANANGA	0553S	02225E	657		936.8	1498 Y	23.0		23.0							
RWANDA																
64387 KIGALI	0158S	03007E	1497		852.9	1523 Y			15.5			64	30	0	141	
CONGO																
64400 POINTE-NOIRE	0449S	01154E	17		1012.2	1014.2	22.9		23.0		1	2		4	78	70
64450 BRAZZAVILLE/MAYA-MAYA	0415S	01515E	316		976.6	1011.9	24.2		21.7		1	2		4	136	100
64458 OUESO	0137N	01603E	352		971.8	1011.5	23.9		26.1		16	395				
64459 IMPFONDO	0137N	01804E	326				24.5		26.8		18	203				
GABON																
64500 LIBREVILLE	0027N	00925E	15		1011.8	1013.2	25.2	.9	26.5		9	55	42	1	105	117
64501 PORT-GENTIL	0042S	00845E	4		1013.1	1014.1	24.7	.0	26.1		3	27	22		130	96

SURFACE

AUGUST 1999

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	
CENTRAL AFRICAN REPUBLIC																
64600 BERBERATI	0415N	01548E	583		947.1	1011.8	22.9		24.4		17	223				
64601 BOUAR	0558N	01538E	1020		900.8	1518 Y	21.0		21.6		20	222				
64605 BOSSEMBELE	0516N	01738E	674		937.3	1011.0	22.5		24.2		21	471				
64610 BOSSANGO	0629N	01726E	465		959.3	1010.6	24.2		26.0		24	386				
64650 BANGUI	0424N	01831E	366		970.3	1010.1	24.1		25.8		17	346			133	
64655 BRIA	0632N	02159E	584		946.8	1010.7	23.5		25.2		17	381				
64656 BANGASSOU	0444N	02250E	500		956.0	1011.0	24.2		26.1		17	202				
64659 OBO	0524N	02630E	651		939.2	1010.2	23.2		24.6		14	297				
64660 BAMBARI	0551N	02039E	475		958.3	1011.1	23.8		25.5		14	298				
64661 YALINGA	0630N	02316E	602		945.1	1010.9	23.8		25.2		19	488				
64662 ALINDAO	0503N	02112E	449		960.9	1010.6	23.7		25.9		16	222			137	
CHAD																
64700 NDJAMENA	1208N	01502E	295		977.0	1010.6	25.8		28.4	2.2	16	203	29	3	215	107
64706 MOUNDOU	0834N	01604E	410		963.3	1011.4	26.0		27.0	.9	23	260	-24	1	174	102
64750 SARH	0909N	01823E	365		970.3	1011.2	25.0		26.8	-.3	16	247	4	0	140	80
CAMEROON																
64860 GAROUA	0920N	01323E	244		984.5	1011.2	25.8	-.6	27.5	.3	19	274	27	4	172	92
64870 NGAOUNDERE	0721N	01334E	1104		891.8	1507 Y	20.6	-.9	20.9	.1	25	299	20	4	139	109
64910 DOUALA OBS.	0400N	00944E	9		1011.6	1012.6	25.1	.2	28.7	.9	21	484	-270	1		
NIGERIA																
65046 KANO	1203N	00832E	481				25.5	.0				195	-33	1		
65082 MAIDUGURI	1151N	01305E	354				26.5	-.1				198	5	1		
65123 MINNA	0937N	00632E	260				25.5	.3				234	-37	1		
65201 LAGOS/IKEJA	0635N	00320E	38				26.0					187	66	1		
65257 ENUGU	0628N	00733E	137				26.5					200	-37	1		
65271 MAKURDI	0741N	00837E	97				26.5					313	96	1		
BENIN																
65306 KANDI	1108N	00256E	292		978.3	1011.1	25.4	-.6	27.3	.0	26	273	2	3	124	64
65319 NATITINGOU	1019N	00123E	461		960.7	1012.1	24.2	-.7	25.7	.1	22	264	1		104	75
65330 PARAKOU	0921N	00237E	393		968.3	1012.3	24.3	-.4	25.5	.1	15	137	-71		129	110
65335 SAVE	0802N	00228E	200		989.6	1012.2	23.8	-1.2	26.3	.6	12	237	89		128	138
65338 BOHICON	0710N	00204E	167		994.1	1013.1	24.9	-.4	27.0	1.1	10	194	82		143	149
TOGO																
65352 MANGO	1022N	00028E	146		994.4	1012.1	25.7	-.3	30.2		20	401	165	6		
65355 NIAMTOUGOU	0946N	00106E	343		960.8	1012.5	23.7		26.2		19	312				
65357 KARA	0933N	00110E	341		973.6	1012.8	24.6		26.6		19	266				
65361 SOKODE	0859N	00109E	387		968.6	1012.7	23.7		25.7		19	330	84	5		
65376 ATAKPAME	0735N	00107E	402		966.7	1013.0	23.6	-.3	25.1		14	350	169	5		
65380 TABLIGBO	0635N	00130E	44		1009.2	1013.7	25.3	-.3	26.8		9	144	92	5		
65387 LOME	0610N	00115E	25		1010.5	1013.3	25.3	.1	27.8		6	86	54	5		
BURKINA FASO																
65501 DORI	1402N	00002W	277		979.3	1010.3	27.4		28.1		11	164		3	221	

SURFACE

AUGUST 1999

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	%
65502 OUAHIGOUYA	1334N	00225W	336		972.8	1010.3	25.9		27.6		15	186		3		
65503 OUAGADOUGOU	1221N	00131W	306		977.1	1011.2	25.7		27.1		18	236		2	154	
65507 FADA N'GOURMA	1202N	00022E	309		956.5	1011.1	25.3		27.5		18	231		4		
65510 BOBO-DIOULASSO	1110N	00419W	460			1011.5	24.4		26.1		19	264		3	130	75
65516 BOROMO	1145N	00256W	271		980.8	1011.3	25.4		27.3		21	424			140	
65522 GAOUA	1020N	00311W	335		978.7	1011.4	25.2		27.1		22	248		3		
MADAGASCAR																
67019 ANALALAVA	1438S	04746E	57		1010.7	1017.3	24.5	-0.2	18.9	-0.4	1	15	10	3		
67083 ANTANANARIVO/IVATO	1848S	04729E	1276		879.8	1566 Y	14.6	.1	12.8	.3	3	13	3	4	236	100
67161 TULEAR	2323S	04344E	8		1018.3	1019.2	22.0	1.0	19.8	7.3	0	0	-5	0		
MALAWI																
67586 LILONGWE INT'L AIRPORT	1347S	03346E	1229		882.7	1543 Y	17.4	.1	13.0		0	0	-1		249	92
ZAMBIA																
67475 KASAMA	1013S	03108E	1384		865.0	1532 Y	19.6	.7	11.8		0	0	-1	1		
67633 MONGU	1515S	02309E	1053		899.4	1539 Y	21.6	.9	9.9		0	0	-1	1		
67663 KABWE	1427S	02828E	1207		884.0	1538 Y	16.9	-1.5	10.7		1	3	2	1		
67743 LIVINGSTONE	1749S	02549E	986		907.6	1548 Y	21.0	1.7	9.0		0	0	-1	1		
ZIMBABWE																
67775 HARARE (KUTSAGA)	1755S	03108E	1480		857.9	1554 Y	14.5	-1.0	9.0		4	27	25	5	299	100
67964 BULAWAYO (GOETZ OBSY.)	2009S	02837E	1344		871.8	1559 Y	16.6		12.5		1	3	2	5	287	95
SOUTH AFRICA																
68174 PIETERSBURG	2350S	02925E	1237		887.1	1560 Y	14.6		8.0		0	0	-6	2	284	101
68242 MMABATHO	2547S	02532E	1251		876.6	1560 Y	14.7		5.1		0	0			318	
68262 PRETORIA	2544S	02811E	1306		877.1	1565 Y	15.2		6.7		0	0	-5	2	301	102
68368 JOHANNESBURG INT. AIRPORT	2608S	02814E	1720		836.0	1562 Y	11.6		5.9		1	3	-3	3	298	105
68424 UPINGTON	2842S	02127E	850		929.6	1553 Y	14.1		4.9		0	0	-4	3	318	104
68438 KIMBERLEY	2848S	02446E	1196		886.8	1555 Y	12.6		4.4		0	0	-7	2	320	107
68442 BLOEMFONTEIN AIRPORT	2911S	02630E	1359		866.2	1556 Y	9.6		4.6		0	T	-14	1	302	106
68461 BETHLEHEM	2825S	02833E	1690		835.4	1557 Y	9.1		5.5		0	T		2	281	
68512 SPRINGBOK	2967S	01790E	1007		906.9	1541 Y	12.3		6.7		5	43		4	266	
68538 DE AAR	3065S	02400E	1287		875.9	1550 Y	11.8		4.6		0	0		2	309	
68588 DURBAN INTNL. AIRPORT	2958S	03095E	14		1018.9	1020.6	18.7		15.2		2	12	-50	1	263	121
68618 CALVINIA	3128S	01946E	975		907.2	1542 Y	11.0		6.8		7	34		4	259	
68816 CAPE TOWN INTNL. AIRPORT	3397S	01860E	46		1014.4	1019.6	13.9		11.8		10	105	28	5	183	86
68828 GEORGE AIRPORT	3401S	02223E	190		996.2	1019.1	14.7		10.3		7	37			241	
68842 PORT ELIZABETH	3398S	02562E	69		1011.7	1019.1	15.2		12.0		3	29	-35	1	273	118
68858 EAST LONDON	3302S	02750E	125		1005.4	1020.4	16.3		11.4		2	10	-68	1	279	119
68906 GOUGH ISLAND	4021S	00953W	54		1006.4	1013.0	9.1		8.9		21	277	-27	3	77	89
68994 MARION ISLAND	4653S	03752E	21		1008.2	1010.9	4.5		6.7		19	98	-89	0	81	89
N AMERICA																
USA (ALASKA)																

SURFACE

AUGUST 1999

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	
70026 BARROW/W. POST W. ROGERS	7118N	15647W	4			1011.6	5.8	2.5	8.5		7	37	13	5		
70133 KOTZEBUE, RALPH WIEN	6652N	16238W	5			1007.9	11.7	.5	11.6		5	17	-28	1		
70200 NOME	6430N	16526W	7			1007.3	9.8	-.3	11.0		9	48	-20	2		
70219 BETHEL/BETHEL AIRPORT, AK.	6047N	16148W	46			1008.5	11.2	-.4	11.1		9	47	-26	1		
70231 MCGRATH	6258N	15537W	103			1009.0	13.4	1.0	11.7		14	77	15	4		
70261 FAIRBANKS/INT.	6449N	14752W	138			1009.2	14.6	.8	11.5		10	48	-1	3		
70273 ANCHORAGE/INT.	6110N	15001W	40			1009.3	13.9	.4	12.8		12	102	40	5		
70308 ST. PAUL	5709N	17013W	9			1005.7	7.9	-.8	10.2		14	97	28	5		
70316 COLD BAY	5512N	16243W	31			1008.9	9.9	-.9	11.1		16	160	78	6		
70326 KING SALMON	5841N	15639W	15			1008.0	12.3	.1	11.6		12	78	4	4		
70361 YAKUTAT	5931N	13940W	9			1011.6	12.4	.6	12.7		16	210	-83	2		
70398 ANNETTE ISLAND	5502N	13134W	34			1014.5	13.7	-1.1	14.0		17	245	89	5		
USA																
72201 KEY WEST/INT., FL.	2433N	08145W	6			1014.5	28.9	-.2	29.8		12	246	119	5		
72202 MIAMI, FL.	2549N	08017W	4			1014.3	28.7	.5	28.2		21	355	163	5		
72203 WEST PALM BEACH/INT., FL.	2641N	08006W	6			1014.7	28.5	.4	28.7		16	222	70	5		
72205 ORLANDO/JETPORT, FL.	2826N	08119W	32			1014.3	28.5	.4	27.3		7	89	-83	1		
72206 JACKSONVILLE/INTNL., FL.	3030N	08142W	9			1013.7	28.1	.8	28.6		9	91	-110	1		
72207 SAVANNAH/MUNICIPAL, GA.	3208N	08112W	15			1013.6	28.3	1.1	28.1		8	109	-80	2		
72208 CHARLESTON/MUN., SC.	3254N	08002W	15			1013.3	28.4	1.4	26.6		10	96	-87	2		
72211 TAMPA/INT., FL.	2758N	08232W	3			1014.2	28.8	.8	29.6		14	214	21	4		
72214 TALLAHASSEE/MUN., FL.	3023N	08422W	21			1013.7	29.0	1.6	27.9		9	154	-37	2		
72217 MACON/LEWIS B.WILSON,GA.	3242N	08339W	110			1013.2	28.7	1.8	25.1		4	89	-3	3		
72218 AUGUSTA/BUSH FIELD, GA.	3322N	08158W	45			1013.0	28.3	1.8	22.5		6	58	-56	2		
72219 ATLANTA/MUN., GA.	3339N	08425W	315			1013.8	27.7	2.1	21.1		4	32	-61	1		
72223 MOBILE/BATES FIELD, AL.	3041N	08815W	67			1013.9	29.1	1.4	30.1		10	74	-102	1		
72226 MONTGOMERY/DANNELLY, AL.	3218N	08624W	62			1013.5	28.8	1.8	24.6		1	5	-88	0		
72231 NEW ORLEANS/MOISANT INT., LA	2959N	09015W	9			1013.9	29.8	2.3	29.7		8	133	-23	3		
72234 MERIDIAN/KEY, MS.	3220N	08845W	94			1013.6	28.6		22.1		3	36		1		
72235 JACKSON/ALLEN C. THOMP., MS.	3219N	09005W	101			1013.7	28.8	1.6	23.0		4	43	-52	1		
72240 LAKE CHARLES/MUN., LA.	3007N	09313W	10			1014.5	29.9	2.2	27.4		0	0	-135	0		
72242 GALVESTON, TX.	2918N	09448W	16			1014.1	30.0	1.4	30.2		1	7	-106	1		
72243 HOUSTON/INTERCONTI- NENTAL,	2958N	09521W	33			1013.7	30.4	2.5	25.2		2	14	-74	1		
72248 SHREVEPORT/REG., LA.	3228N	09347W	79			1013.5	29.9	2.0	20.6		2	38	-23	2		
72250 BROWNSVILLE/INT., TX.	2555N	09725W	7			1013.0	29.7	.5	27.0		5	68	-2	4		
72251 CORPUS CHRISTI/INT., TX.	2746N	09730W	13			1013.1	28.9	-.1	28.6		4	193	109	5		
72253 SAN ANTONIO/INT., TX.	2932N	09828W	242			1012.8	30.1	.7	21.0		4	54	-10	3		
72255 VICTORIA/VICTORIA REG., TX.	2851N	09655W	36			1013.5	29.5	.6	24.8		3	25	-51	1		
72256 WACO,MADISON-COOPER, TX.	3137N	09713W	155			1013.0	31.5	1.7	22.7		0	0	-42	0		
72259 DALLAS-FORT WORTH/FORT., TX.	3254N	09702W	182			1013.1	32.3	2.9	20.0		0	0	-56	1		
72263 SAN ANGELO/MATHIS, TX.	3122N	10030W	582			1012.9	29.5	1.8	17.0		0	9999	-049	0		
72265 MIDLAND/MIDLAND REG., TX.	3157N	10211W	872			1012.0	28.9	1.8	14.7		1	1	-41	0		
72266 ABILENE/MUN., TX.	3225N	09941W	546			1012.7	30.5	2.1	17.3		1	11	-60	1		
72267 LUBBOCK/LUBBOCK INTNL, TX.	3339N	10149W	988			1012.9	27.4	1.9	17.0		3	16	-47	1		
72270 EL PASO/INT., TX.	3148N	10624W	1194			1011.1	27.3	.6	17.0		5	36	-4	3		
72274 TUCSON/INT., AZ.	3207N	11056W	779			1010.6	29.6	.4	15.7		5	78	23	4		
72278 PHOENIX/SKY HARBOR INTNL, AZ.	3326N	11201W	337			1008.8	33.9	.8	17.8		4	24	0	4		
72290 SAN DIEGO/LINDBERGH, CA.	3244N	11710W	9			1013.5	20.1	-2.5	18.4		0	0	-2	4		

SURFACE

AUGUST 1999

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	%	
72295 LOS ANGELES/INT., CA.	3356N	11824W	32			1013.0	20.4	-1.0	17.8		0	0	-3	4		
72304 CAPE HATTERAS, NC.	3516N	07533W	3			1013.8	26.7	.9	29.9		10	217	65	4		
72306 RALEIGH/RALEIGH-DURHAM, NC.	3552N	07847W	134			1014.0	26.6	1.5	21.8		8	83	-19	3		
72308 NORFOLK/INT., VA.	3654N	07612W	9			1013.5	26.4	1.3	24.4		9	114	-8	3		
72310 COLUMBIA, SC.	3357N	08107W	69			1013.1	28.5	2.0	22.3		8	33	-121	1		
72312 GREENVILLE/SPATANBURG, SC	3454N	08213W	296			1013.3	27.4	2.3	19.9		4	20	-80	0		
72314 CHARLOTTE/DOUGLAS, NC.	3513N	08056W	234			1013.7	26.3	.6	21.4		7	36	-58	1		
72315 ASHEVILLE/MUN., NC	3526N	08233W	661			1015.0	23.3	1.1	20.4		4	86	-33	3		
72317 GREENSBORO/G.-HIGH PT., NC.	3605N	07957W	270			1014.2	25.2	.9	19.8		8	130	32	4		
72324 CHATTANOOGA/LOVELL FIELD, TN	3502N	08512W	210			1014.1	27.5	2.0	19.6		1	11	-78	0		
72326 KNOXVILLE/MUN., TN.	3549N	08359W	299			1013.8	25.3	.9	20.2		4	22	-57	0		
72327 NASHVILLE/METROPOLITAN, TN.	3607N	08641W	180			1014.4	26.4	.8	20.0		3	78	-9	3		
72344 FORT SMITH/MUN., AR.	3520N	09422W	141			1014.0	29.4	2.4	20.4		4	5	-69	0		
72351 WICHITA FALLS/SHEPS AFB TX	3358N	09829W	314			1012.2	31.4	2.7	18.8		1	37	-26	3		
72365 ALBUQUERQUE/INT., NM.	3503N	10637W	1620			1014.0	23.7	-7	13.6		10	77	36	5		
72386 LAS VEGAS/MCCARRAN, NV.	3605N	11510W	664			1009.4	31.1	-.4	11.7		2	7	-5	3		
72389 FRESNO/AIR TERM., CA.	3646N	11943W	100			1012.1	25.9	-.9	12.7		0	9999	-001	4		
72401 RICHMOND/BYRD, VA.	3730N	07720W	54			1014.4	25.4	.5	21.3		6	52	-59	2		
72405 WASHINGTON/NAT., VA.	3851N	07702W	20			1014.2	26.4	.6	19.8		10	129	30	4		
72406 BALTIMORE/BALTIMORE-WASHINGT	3911N	07640W	47			1013.9	24.2	.0	19.4		7	156	57	5		
72407 ATLANTIC CITY, NJ.	3927N	07434W	20			1014.3	23.5	.5	21.5		9	92	-13	3		
72408 PHILADELPHIA/INT., PA.	3953N	07515W	9			1014.1	25.2	1.0	20.7		7	140	44	5		
72411 ROANOKE/MUN., VA.	3719N	07958W	358			1014.5	24.1	.4	18.5		6	55	-50	1		
72412 BECKLEY (RALEIGH CTY. MUN), WV.	3747N	08107W	766			1015.5	20.3	-.1	17.2		7	91	6	4		
72414 CHARLESTON/KANAWHA., WV.	3822N	08136W	299			1015.1	22.3	-1.0	19.8		8	76	-25	2		
72421 CINCINNATI/GREATER CIN., OH.	3903N	08440W	267			1014.9	22.5	-.6	17.5		5	64	-21	2		
72422 LEXINGTON/BLUE GRASS, KY.	3802N	08436W	301			1015.3	24.2	.3	17.8		3	27		1		
72423 LOUISVILLE/STANDIFORD, KY.	3811N	08544W	149			1014.7	25.7	1.4	18.6		4	28	-61	1		
72425 HUNTINGTON, WV	3822N	08233W	255			1014.9	23.3	.2	17.3		6	135	38	4		
72428 COLUMBUS/PORT COLUMBUS, OH.	4000N	08352W	254			1015.0	22.7	.8	17.5		8	63	-31	2		
72429 DAYTON/. COX, OH	3952N	08407E	306			1015.8	21.8	-.5	16.6		4	46	-35	2		
72432 EVANSVILLE/REG., IN.	3803N	08732W	118			1015.1	23.6	-.9	18.4		2	18	-61	1		
72434 ST. LOUIS/LAMBERT, ST., MO.	3845N	09022W	172			1015.1	24.7	-.6	19.4		5	55	-17	3		
72438 INDIANAPOLIS/I.-MUN/WEI., IN.	3944N	08616W	246			1015.4	22.4	-.5	17.6		7	39	-53	1		
72439 SPRINGFIELD/CAPITAL, IL.	3951N	08940W	187			1016.1	22.0	-1.2	19.6		4	120	37	4		
72445 COLUMBIA/REGIONAL, MO.	3849N	09213W	274			1015.6	24.3	.3	19.4		3	22	-61	1		
72476 GRAND JUNCTION/WALKER F., CO.	3907N	10832W	1475			1014.5	23.2	-1.5	13.2		9	60	40	6		
72483 SACRAMENTO/EXECUTIVECA.	3831N	12130W	8			1012.6	22.9	-1.0	15.0		0	0	-1	4		
72486 ELY/YELLAND, NV.	3917N	11451W	1909			1012.8	18.3	-.3	7.6		6	39	18	5		
72488 RENO/INT., NV.	3930N	11947W	1341			1013.3	21.1	.2	7.9		3	21	13	5		
72494 SAN FRANCISCO/INTL, CA.	3737N	12223W	5			1014.9	17.6	.0	14.7		1	2	1	5		
72503 NEW YORK/LA GUARDIA, NY.	4046N	07354W	9			1013.7	24.6	.5	18.7		8	134	39	4		
72507 PROVIDENCE/GREEN STATE, RI.	4144N	07126W	19			1014.1	22.2	.4	18.0		7	83	-9	3		
72508 HARTFORD/BRADLEY INTL, CT.	4156N	07241W	55			1013.9	21.7	-.3	16.6		7	68	-24	2		
72509 BOSTON/LOGAN INT., MA	4222N	07102W	9			1013.8	21.8	-.4	18.5		8	36	-46	1		
72513 WILKES-BARRE-SCRANTON, PA.	4120N	07544W	289			1014.3	20.4	-.7	14.8		7	56	-28	2		
72515 BINGHAMTON/BROOME CO., NY.	4213N	07559W	497			1015.6	18.6	-1.0	15.8		12	44	-41	1		
72517 ALLENTOWN/A.-BETHLEHEM-, PA.	4039N	07526W	117			1014.5	22.2	-.1	15.9		4	48	-60	1		
72519 SYRACUSE/HANCOCK, NY.	4307N	07607W	124			1014.6	20.4	.2	15.6		5	27	-62	0		

SURFACE

AUGUST 1999

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
	O'	O'	m		mb	mb	O _c	O _c	mb	mb		mm	mm		hr	
72520 PITTSBURGH/GREATER PITT., PA.	4030N	08013W	373			1015.9	20.4	-1.0	16.4		8	59	-22	2		
72521 AKRON/AKRON-CANTON REG., OH.	4055N	08126W	377			1015.5	20.0	-1.3	20.0		11	72	-12	3		
72525 YOUNGSTOWN, OH.	4116N	08040W	361			1015.6	19.3	-1.1	17.3		10	91	7	4		
72528 BUFFALO/GREATER BUFFALO, NY.	4256N	07844W	215			1014.8	19.9	- .7	17.6		10	111	6	4		
72529 ROCHESTER/R-MONROE CTY., NY.	4307N	07740W	169			1015.0	19.8	- .2	16.8		9	145	59	5		
72530 CHICAGO/O'HARE, IL.	4159N	08754W	205			1015.8	21.3	- .8	17.5		8	59	-48	2		
72532 PEORIA/GREATER PEORIA, IL.	4040N	08941W	202			1016.0	21.8	-1.0	19.8		5	71	-7	3		
72533 FORT WAYNE/MUN., BAER FL., IN.	4100N	08512W	252			1016.0	20.8	-1.2	18.0		8	74	-11	3		
72535 SOUTH BEND/ST. JOSEPH CO., IN.	4142N	08619W	236			1015.9	21.1	- .5	17.3		9	105	12	4		
72536 TOLEDO/EXPRESS, OH.	4136N	08348W	211			1015.6	20.8	- .3	17.3		8	37	-45	2		
72537 DETROIT/METROPOLITAN, MI.	4214N	08320W	202			1015.5	21.1	- .3	17.3		7	39	-48	1		
72544 MOLINE/QUAD CITY, IL.	4127N	09031W	181			1015.9	21.6	-1.0	19.8		6	92	-15	3		
72546 DES MOINES/MUN., IA.	4132N	09339W	294			1015.5	22.4	- .9	20.0		7	117	11	4		
72556 NORFOLK/KARL STEFAN, NE.	4159N	09726W	473			1015.4	21.9	- .7	19.7		3	51	-13	3		
72557 SIOUX CITY/MUN., IA.	4224N	09623W	336			1016.1	21.6	-1.1	21.6		5	107	32	4		
72562 NORTH PLATTE/LEE BIRD, NE.	4108N	10041W	849			1015.3	21.4	- .7	19.9		10	139	95	6		
72564 CHEYENNE, WY.	4109N	10449W	1872			1015.0	19.8		11.7		5	20		2		
72569 CASPER/NATRONA COUNTY I., WY.	4255N	10628W	1612			1013.9	21.2	.8	8.6		1	3	-14	1		
72572 SALT LAKE CITY/INTL, UT.	4047N	11158W	1288			1011.9	25.2	1.0	10.9		3	18	-3	3		
72576 LANDER/HUNT, WY.	4249N	10844W	1694			1013.5	21.7	1.2	8.7		5	25	12	5		
72578 POCATELLO/NUM., ID.	4255N	11236W	1365			1014.0	20.4	.0	8.8		7	27	10	5		
72583 WINNEMUCCA/MUN., NV.	4054N	11748W	1322			1013.0	20.1	- .8	9.4		2	5	-6	3		
72594 EUREKA, CA.	4048N	12410W	18			1016.1	15.6	1.2	14.5		2	8	-4	4		
72597 MEDFORD/MEDFORD- JACKSON COU	4222N	12252W	405			1014.3	22.6		12.0		3	52		5		
72605 CONCORD/MUN., NH.	4312N	07130W	105			1014.1	19.4		16.0		9	90		4		
72606 PORTLAND/INTNL. JET PORT, ME	4339N	07019W	19			1013.7	19.7	.1	16.4		8	40	-32	1		
72617 BURLINGTON/INTL, VT.	4428N	07309W	104			1014.0	19.9	.0	14.8		11	63	-40	1		
72635 GRAND RAPIDS/KENT CO., MI.	4253N	08531W	245			1016.2	19.8	-1.0	17.2		8	98	8	4		
72636 MUSKEGON/COUNTY, MI.	4310N	08615W	193			1016.1	19.7	- .6	17.4		9	75	-11	3		
72637 FLINT/BISHOP, MI.	4258N	08345W	233			1015.9	19.0	-1.3	17.1		9	67	-21	3		
72640 MILWAUKEE/GEN. MITCHELL, WI.	4257N	08754W	211			1015.9	20.5	- .2	17.8		7	40	-49	1		
72641 MADISON/DANE COUNTY REGIONAL	4308N	08920W	264			1016.2	19.4	- .8	18.1		9	85	-17	3		
72644 ROCHESTER/MUN., MN.	4355N	09230W	402			1016.3	19.3	- .8	19.4		7	160	62	5		
72645 GREEN BAY/A.-STRAUBEL, WI.	4429N	08808W	214			1016.1	18.6	- .9	17.8		9	35	-53	1		
72651 SIOUX FALLS/FOSS FIELD, SD.	4335N	09644W	435			1015.0	21.4	- .5	19.2		4	21	-51	1		
72654 HURON/HURON REGIONAL, SD.	4423N	09813W	393			1014.2	22.4	.3	19.9		6	66	16	4		
72658 MINNEAPOLIS/ST. PAUL INTL, MN.	4453N	09313W	255			1015.4	21.2	- .2	18.3		7	67	-24	2		
72662 RAPID CITY/REGIONAL AIRPORT,	4403N	10303W	965			1014.4	22.0	.6	16.1		4	29	-13	2		
72666 SHERIDAN/COUNTY, WY.	4446N	10658W	1209			1013.7	21.7	1.5	13.6		4	11	-9	2		
72677 BILLINGS/LOGAN INT., MT.	4548N	10832W	1088			1013.5	22.5	1.0	11.2		8	44	19	5		
72681 BOISE/MUN., ID.	4334N	11613W	874			1011.8	24.0	1.5	10.8		1	8	-2	4		
72688 PENDLETON, OR.	4541N	11851W	456			1012.5	22.8	.6	12.5		4	14	1	4		
72698 PORTLAND/INT., OR.	4536N	12236W	12			1015.8	20.6	.3	15.2		4	20	-7	3		
72712 CARIBOU/MUN., ME.	4652N	06801W	190			1012.3	17.1	.0	13.8		10	95	-8	3		
72743 MARQUETTE, MI.	4632N	08733W	434			1016.8	16.7	- .2	13.8		8	60	-26	2		
72745 DULUTH/INT., MN.	4650N	09211W	432			1016.0	17.5	- .1	15.8		12	188	87	5		
72747 INT. FALLS/FALLS INT. MN.	4834N	09323W	361			1015.5	16.7	- .9	15.7		7	69	-10	3		
72753 FARGO/HECTOR FIELD, ND.	4654N	09648W	274			1014.6	20.0	- .4	17.7		5	58	-3	3		
72764 BISMARCK/MUN., ND.	4646N	10045W	506			1014.1	20.8	.6	18.0		6	202	159	6		

SURFACE

AUGUST 1999

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	%	
72767 WILLISTON/SLOULIN FIELD, ND.	4811N	10338W	581			1014.4	20.8	.4	14.0		7	30	-1	3		
72768 GLASGOW/INTL, MT.	4813N	10637W	700			1013.7	21.7	.9	11.9		5	34	0	4		
72772 HELENA/COUNTY-CITY, MT.	4636N	11200W	1188			1015.7	20.5	.8	12.2		9	54	22	5		
72773 MISSOULA/JOHNSON-BELL F.,MT.	4655N	11405W	972			1015.2	19.9	1.1	11.5		6	54	24	5		
72781 YAKIMA/YAKIMA AIR TERM., WA.	4634N	12032W	325			1012.8	21.7	1.1	13.2		7	23	13	5		
72785 SPOKANE/INT.,WA.	4738N	11732W	721			1013.4	21.2	1.0	11.1		3	28	10	4		
72792 OLYMPIA, WA.	4658N	12254W	61			1016.3	17.7	.3	15.0		7	21	-11	3		
72793 SEATTLE/S.-TACOMA, WA.	4727N	12218W	137			1016.2	18.2	-.4	15.7		7	24	-5	3		
72797 QUILLAYUTE, WA.	4757N	12433W	62			1016.8	15.2		15.9		6	20		2		
CANADA																
71043 NORMAN WELLS, N.W.T.	6517N	12648W	74			1001.2	15.1	1.6	11.9		13	63	14	4	202	85
71066 HIGH LEVEL, ALTA	5837N	11710W	338			971.0	15.6	1.6	12.3		8	22		6	271	0
71069 SLAVE LAKE, ALTA	5518N	11447W	581			944.8	16.4	2.0	12.7		6	32	-37	6		
71081 HALL BEACH,N.W.T.	6847N	08115W	8			1004.2	10.5	4.2	7.3		13	73	29	5		
71090 CLYDE,N.W.T.	7029N	06831W	26			1004.0	10.7	2.9	-1.0	6.6	6	50	20	4		
71094 CAPE DYER,N.W.T.	6635N	06137W	393			917.5	10.5	2.0	-2.5							
71095 POND INLET, N.W.T.	7242N	07758W	55			999.3	10.6	4.1	6.6		8	18		6		
71101 SANDSPIT,B.C.	5315N	13149W	6			1013.2	10.3	14.2	-.7	13.5	11	62	8	4		
71109 PORT HARDY,B.C.	5041N	12722W	22			1013.4	10.6	15.0	1.1	13.9	12	76	14	4	173	90
71197 PORT-AUX-BASQUES, NFLD.	4734N	05910W	40			1007.2	10.1	16.9	2.1	16.4	13	122	1	6		
71600 SABLE ISLAND,N.S.	4356N	06001W	4			1014.0	10.4	19.6	2.0	20.0	8	64	-47	1		
71601 SHEARWATER,N.S.	4438N	06330W	51			1007.0	10.3	18.9	1.0	17.2	11	104	2	3	231	100
71603 YARMOUTH, N.S.	4350N	06605W	43			1008.8	10.4	17.6	1.1	17.3	10	108	26	6	208	0
71624 TORONTO PEARSON INT'L AIRPO	4340N	07938W	173			994.6	10.5	20.3	.8	16.1	7	59	-25	2	258	0
71627 MONTREAL/DORVAL INT'L,QUE	4528N	07345W	36			1009.2	10.3	20.0	.6	16.1	7	69	-31	1		
71727 BAGOTVILLE,QUE.	4820N	07100W	159			993.8	10.2	17.4	1.0	14.0	11	38	-62	0		
71731 NORTH BAY,ONT.	4621N	07926W	371			971.6	10.5	16.8	-.2	14.3	6	107	6	4	262	110
71803 GANDER INT. AIRPORT, NFLD.	4857N	05434W	151			993.5	10.1	16.3	.8	14.0	13	122	27	4	208	100
71811 SEPT-ILES, QUE.	5013N	06616W	55			1003.6	10.0	15.1	.9	12.9	10	77	-22	2	237	105
71815 STEPHENVILLE,NFLD.	4832N	05833W	26			1007.9	10.1	17.0	.8	15.4	14	174	55	5	211	110
71816 GOOSE,NFLD.	5319N	06025W	49			1001.7	10.7	15.4	1.2	12.7	16	169	71	5	202	115
71828 SCHEFFERVILLE,QUE.	5448N	06648W	518			947.3	10.9	12.1	1.1	10.3	14	97	8	6		
71831 KAPUSKASING,ONT.	4925N	08228W	227			987.3	10.4	15.5	.2	12.2	11	53	-38	1		
71852 WINNIPEG INT. AIRPORTMAN.	4954N	09714W	239			986.2	10.4	18.0	-.3	15.2	5	48	-27	2		
71863 REGINA, SASK.	5026N	10440W	577			947.7	10.5	17.9	-.2	14.6	3	30	-10	3		
71867 THE PAS, MAN.	5358N	10106W	271			980.0	10.2	17.3	.9	15.0	5	23	-42	1	278	100
71872 MEDICINE HAT,ALTA.	5001N	11043W	717			931.0	10.3	19.8	.6	12.9	7	47	17	6	296	0
71874 LETHBRIDGE,ALTA.	4938N	11248W	929			908.1	10.4	18.0	.2	11.9	13	48	6	3		
71887 KAMLOOPS,B.C.	5042N	12027W	346			972.3	10.2	22.1	1.8	13.0	2	5	-25	6	263	0
71892 VANCOUVER INT. AIR- PORT, B.	4911N	12310W	2			1015.2	10.5	18.3	.9	16.5	9	33	-5	3	255	95
71896 PRINCE GEORGE,B.C.	5353N	12241W	691			933.9	10.5	15.5	.9	11.8	7	50	-11	3	250	95
71906 KUUJJUAQ, QUE.	5806N	06825W	37			1001.6	10.6	11.1	.7	10.2	12	86	20	5	81	45
71907 INUKJUAQ, QUE	5827N	07807W	6			1003.4	10.6	10.9	2.0	11.4	8	46	-16	2		
71909 IQALUIT,N.W.T.	6345N	06833W	34			1000.5	10.4	6.9	.1	8.1	16	64	1	4		
71910 CAPE DORSET, N.W.T.	6413N	07632W	50			998.1	10.4	5.3		7.9	8	48		6		
71924 RESOLUTE,N.W.T.	7443N	09459W	67			1001.4	10.0	4.1	2.2	6.7	3	11	-20	1	270	165
71926 BAKER LAKE, N.W.T.	6418N	09605W	18			1007.2	10.9	9.2	-.2	8.8	11	49	9	4	164	80
71932 FORT MCMURRAY,ALTA.	5639N	11113W	369			968.3	10.2	16.6	1.4	12.4	13	56	-15	6		

SURFACE

AUGUST 1999

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	
71935 HAY RIVER, N.W.T.	6050N	11547W	166		991.2	1011.4	15.6	1.2	12.0		5	67	24	6		
71945 FORT NELSON, B.C.	5850N	12235W	382		966.1	1011.7	16.7	1.8	12.9		8	47	-16	3	309	120
71950 SMITHERS, B.C.	5449N	12711W	523		953.4	1015.0	14.1	-.3	12.8		16	104	62	6	150	0
71953 WATSON LAKE, Y.T.	6007N	12849W	690		931.6	1012.5	14.4	1.4	9.3		5	36	-8	6		
71957 INUVIK, N.W.T.	6818N	13329W	68		1003.0	1011.5	12.4	1.9	10.8		11	61	18	5		
71964 WHITEHORSE, Y.T.	6043N	13504W	703		929.2	1012.1	13.6	1.3	8.6		6	23	-16	2	192	80
ST. PIERRE AND MIQUELON																
71805 SAINT-PIERRE	4646N	05610W	5		1012.0	1012.6	18.0		18.4		9	34		0	179	105
MEXICO																
76256 EMPALME, SON	2755N	11054W	11		1008.8	1010.4	31.1		28.8		4	12		1	289	195
76342 MONCLOVA, COAH.	2653N	10125W	615		943.8	1010.3	30.4		22.3		3	38		3	321	280
76373 TEPEHUANES, DGO	2521N	10547W	1967		821.5	1011.1	22.9		13.0		10	40			282	245
76382 TORREON, COAH.	2532N	10327W	1124		888.9	1006.9	28.2		16.6		1	1		1	309	230
76390 SALTILLO, COAH	2527N	10059W	1790		823.5	1008.3	20.7		14.1		5	37		1	298	395
76393 MONTERREY, N.L.	2552N	10012W	512		954.3	1010.2	29.6		22.6		2	55		2	303	250
76402 CIUDAD CONSTITUCION B.C.S.	2500N	11140W	48		1005.6	1011.6	28.4		22.6		2	26		1	307	215
76405 LA PAZ, B.C.S.	2416N	11025W	18		1008.5	1010.5	30.2		22.9		3	22		2	277	215
76423 DURANGO, DGO	2402N	10440W	1872		817.4	1009.5	21.0		15.6		13	57		1	225	205
76458 COLONIA JUAN CARRAS-CO MAZAT	2312N	10625W	4		1008.9	1010.0	28.8	.0	30.2	-1.0	13	179	-37	1	222	95
76548 TAMPICO, TAMP	2213N	09751W	9		1010.6	1013.6	28.9	.8	31.2	1.6	9	86	-34	3	253	114
76556 TEPIC, NAY	2131N	10454W	922		909.1	1008.7	23.5		25.0		21	447		4	174	180
76577 GUANAJUATO, GTO.	2101N	10115W	1999		804.9	1010.5	20.4	1.1	16.0	.9	7	74	-66		222	101
76634 TULANCINGO HGO	2005N	09822W	2181		787.6	1009.9	17.3		16.3		12	94		5	240	240
76647 VALLADOLID, YUC.	2042N	08813W	22		1008.0	1011.0	28.1		29.6		11	259		5	248	215
76654 MANZANILLO, COL.	1903N	10420W	3		1010.7	1011.1	27.8		28.6		13	101		2	206	185
76665 MORELIA, MICH.	1942N	10111W	1913		811.2	1009.7	19.1	.7	15.7	.5	21	173	11	4	182	114
76680 MEXICO (CENTRAL), D.F.	1924N	09912W	2308		775.6	1007.5	17.5	1.1	13.0	-.1	21	215	42	5	182	115
76685 PUEBLA, PUE.	1903N	09810W	2179		787.7	1007.7	17.3		13.5		17	263		5	216	200
76692 HACIENDA YLANG YLANG VER.	1909N	09607W	13		1013.9	1015.7	27.8	-.2	30.8	1.4	11	252	-100	2	250	113
76698 FELIPE CARRILLO PUERTO, Q.RO	1935N	08802W	20		1008.6	1010.1	29.1		32.2		15	324			239	200
76741 COATZACOALCOS, VER.	1809N	09425W	23		1010.6	1012.5	27.6		30.2		18	346		3		
76750 CHETUMAL, Q.ROO	1829N	08818W	9		1003.5	1004.5	29.3		30.8		15	177		4	236	195
76805 ACAPULCO, GRO.	1650N	09956W	13		1012.0	1012.0	28.1	-.3	30.1	-1.0	12	329	17	4	257	112
76848 COMITAN, CHIS.	1615N	09208W	1530		839.4	999.9	19.1		16.7		13	190			257	200
76903 TAPACHULA, CHIS.	1455N	09216W	182		1000.0	1013.0	26.5		28.1		28	270		4	168	210
BAHAMAS																
78073 NASSAU AIRPORT	2503N	07728W	7		1013.9	1014.7	28.9	1.0	30.7	1.2	18	151	-64	2	260	98
JAMAICA																
78388 MONTEGO BAY/SANGSTER	1830N	07755W	8		1013.7	1013.8	28.6	.8	26.7		13	145	46	4	236	100
78397 KINGSTON/NORMAN MANLEY	1756N	07647W	14		1012.4	1014.0	29.2		32.6		4	58		0	240	15
DOMINICAN REPUBLIC																
78458 PUERTO PLATA	1945N	07034W	5		1013.8	1013.2	28.3	1.6	30.5		5	22	-59	1		
78486 SANTO DOMINGO	1826N	06953W	14		1013.3	1011.3	28.7	1.6	31.1	3.5	14	115	-62	2		

SURFACE

AUGUST 1999

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	
PUERTO RICO AND US POSS																
78526 SAN JUAN/INTL, PUERTO RICO	1826N	06600W	19			1014.9	28.2	.0	30.3		16	163	28	4		
BELIZE																
78583 BELIZE/PHILLIP GOLDSTON INTL	1732N	08818W	5		1012.3	1012.8	28.0	.1	31.9		12	263	77	1	273	116
78584 BELIZE/LANDIVAR	1731N	08812W	1		1012.3	1012.8	28.0	.1	31.9		12	263	77	1	273	116
NICARAGUA																
78741 MANAGUA A.C.SANDINO	1209N	08610W	56		1004.7	1010.9	26.8		27.7		17	169		4	215	110
COSTA RICA																
78760 PUNTARENAS	0958N	08450W	3		1010.2	1010.5	26.0	-.5	30.2		20	313	78	4	167	98
78762 JUAN SANTAMARIA	1000N	08413W	939		910.5	1012.1	21.5	-.3	22.2		19	312	36	3		
78767 PUERTO LIMON	1000N	08303W	3		1012.2	1012.6	25.1	-.5	27.6		15	144	-144	1	172	119
ST.MAARTEN, ST.EUST., SABA																
78866 JULIANA AIRPORT, ST. MAARTEN	1803N	06307W	9		1015.4	1015.9	29.2	1.0	29.8	1.0	19	142	43	5	291	111
ST.MARTIN, ST.BARTH., GUAD.																
78897 LE RAIZET, GUADELOUPE	1616N	06131W	11		1013.3		28.2	.5	29.4		26	212	14	4	222	95
MARTINIQUE																
78925 LE LAMENTIN	1436N	06100W	7		1013.3	1014.2	27.7	.5	29.2	-.6	22	191	-60	2	228	91
BARBADOS																
78954 GRANTLEY ADAMS	1304N	05929W	56		1007.7	1014.1	27.8		30.9		13	113		2	294	70
TRINIDAD AND TOBAGO																
78970 PIARCO INT. AIRPORT, TRINIDAD	1037N	06121W	15		1010.9	1013.4	27.0	.6	30.5	1.9	21	257	7	3	188	89
CURACAO AND BONAIRE																
78988 HATO AIRPORT, CURACAO	1212N	06858W	67		1011.9	1012.8	30.2	1.7	32.7	2.9	5	23	-18	3	316	109
COLOMBIA																
80001 SAN ANDRES (ISLA)/SESQUICENT	1235N	08143W	6		1012.0	1012.1	27.8	.0	31.7	.4	21	492	292	6	227	109
80002 PROVIDENCIA (ISLA)/EL EMBRUJ	1322N	08121W	6				28.1		30.6		17	154		1	226	95
S AMERICA																
COLOMBIA																
80009 SANTA MARTA/SIMON BOLIVAR	1108N	07414W	14				27.6	-.7	30.0	.8	15	75	26	4	208	90
80022 CARTAGENA/RAFAEL NUNEZ	1027N	07531W	12		1010.3	1010.5	27.5	-.5	30.5	-.1	17	327	203	6	153	74
80028 BARRANQUILLA/ERNESTOCORTISSO	1053N	07447W	30		1009.2	1010.9	26.9	-1.0	31.9	1.7	16	122	20	4	173	85
80084 APARTADO/LOS CEDROS	0748N	07642W	20				27.6		29.7		21	252		1	163	125
80091 BARRANCABERMEJA/YARIGUIES	0701N	07348W	134				27.3	-.7	29.0	.7	16	310	66	4	168	81
80094 BUCARAMANGA/PALONEGRO	0706N	07312W	1189				20.9		21.3		12	59	-33	1	134	85
80097 CUCUTA/CAMILO DAZA	0756N	07231W	317		975.9	1010.4	28.0	-.3	22.5	-.6	7	71	38	5	206	97
80099 ARAUCA/SANTIAGO PEREZ	0704N	07044W	128		999.1	1006.3	25.7	-.2	27.6	-.5	16	283	61	4	148	91

SURFACE

AUGUST 1999

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	%		
80112 RIONEGRO/J. M. CORDOVA	0608N	07526W	2142		791.2		16.2		14.7		16	120		2	190	80
80139 PUERTO CARRENO/A. GUAUQUEA	0610N	06730W	55				26.4	-.1	26.8	.1	16	120	-224	0	190	128
80144 QUIBDO/EL CARANO	0543N	07637W	53				26.2	-.2	28.4	-1.1	25	974	106	4	126	95
80210 PEREIRA/MATECANA	0449N	07544W	1342		866.1		21.5	-.4	18.8	-.2	15	120	-4	3	163	92
80214 IBAGUE/PERALES	0426N	07509W	928				24.5	-.4	23.0	3.4	8	104	4	3	203	106
80222 BOGOTA/ELDORADO	0442N	07408W	2546		753.1		13.1	.0	11.5	-.1	9	52	3	4	121	88
80234 VILLAVICENCIO/VANGUARDIA	0410N	07337W	431		962.0	1011.0	24.5	.0	24.2	-.2	19	334	-62	2	111	86
80241 LAS GAVIOTAS	0433N	07055W	167		991.0	1010.3	24.9	.1	26.1	-.8	15	159	-140	1	108	80
80259 CALI/ALFONSO BONILLAARAGON	0333N	07623W	969		907.0		23.6		20.2		5	55	9	4	197	110
80315 NEIVA/BENITO SALAS	0258N	07518W	443				29.0	.3	20.6	.4	4	9	-21	2	186	112
80370 IPIALES/SAN LUIS	0049N	07738W	2961				9.4	-.5	9.3	-.8	4	29	-11	2	175	136
80398 LETICIA/VASQUEZ COBO	0433S	06932W	84		1003.1	1012.7	24.6	-1.0	26.0	-1.6	11	174	1	3	177	89
VENEZUELA																
80403 CORO	1125N	06941W	17		1011.4	1014.4	29.3	.6	27.9		5	30	6	4	274	95
80407 MARACAIBO-LA CHINITA	1034N	07144W	65		1002.5	1009.8	28.2	-.3	29.4		8	131	71	5	199	86
80410 BARQUISIMETO	1004N	06919W	614		943.6	1011.3	23.6	.1	23.7		9	57	4	4	208	86
80413 MARACAY - B.A. SUCRE	1015N	06739W	437		962.8	1011.4	24.7	.3	25.7		18	362	190	6	213	93
80415 CARACAS/MAIQUETIA AEROP. INT	1036N	06659W	48		1007.4	1012.8	27.3	.3	26.2		7	45	-5	3	208	85
80416 CARACAS/LA CARLOTA	1030N	06653W	835		922.9	1610 Y	21.3	-1.0	18.3		12	106	-18		184	85
80419 BARCELONA	1007N	06441W	7		1010.2	1011.1	26.6	.1	28.5		14	180	59	5	206	88
80420 CUMANA	1027N	06411W	4		1010.7	1011.3	25.0		23.8		12	76			233	95
80421 PORLAMAR (AEROPUERTO INT. DE	1055N	06358W	19		1010.9	1013.1	28.2		29.5		5	25			265	95
80423 GUIRIA	1035N	06219W	14		1008.6	1010.3	26.9	-.3	28.5		15	164	36	4	245	115
80425 MENE GRANDE	0949N	07056W	28		1007.3	1010.4	27.7	.1	29.4		10	83	-55	1	221	98
80426 VALERA	0921N	07037W	582		946.7	1010.8	24.9		25.1		12	141			189	95
80427 ACARIGUA	0933N	06914W	225		987.0	1012.4	24.4	-.6	24.5		11	142	-55		172	88
80428 GUANARE	0901N	06944W	163		992.8	1011.0	25.1	.1	26.9		16	300	100		169	91
80431 SAN JUAN DE LOS MORROS	0955N	06720W	429		961.9	1009.3	24.8		26.0		13	186			200	100
80432 CARRIZAL	0925N	06655W	161			1008.5	25.8		23.3		8	144		1	213	95
80434 VALLE DE LA PASCUA	0913N	06601W	125		991.7	1006.4	26.4		26.1		19	333			192	
80435 MATURIN	0945N	06311W	66		1005.9	1013.5	26.2	.0	23.8		14	111	-66	1	173	85
80437 EL VIGIA	0838N	07139W	103		1001.6	1010.4	27.1		25.9		13	101			211	
80438 MERIDA	0836N	07111W	1498		852.2	1519 Y	19.9	.5	17.8		19	307	155	5	181	85
80440 BARINAS	0837N	07013W	204		990.3	1011.4	25.3		26.8		12	225			161	
80442 CALABOZO	0856N	06725W	101		1001.7	1013.3	25.8		27.1		13	143			164	
80444 CIUDAD BOLIVAR	0809N	06333W	48		1006.1	1011.3	26.6	-.8	27.9		19	300	140	5	195	79
80447 SAN ANTONIO DEL TACHIRA	0751N	07227W	378		967.2	1009.0	27.3	.2	22.9		8	31	5	4	165	82
80448 GUASDUALITO	0714N	07048W	131		999.8	1011.4	24.9	-.4	24.7		18	145	-82		167	102
80450 SAN FERNANDO DE APURE	0754N	06725W	48		1006.6	1012.2	26.1	.0	28.3		14	215	-40	2	161	87
80453 TUMEREMO	0718N	06127W	181		991.4	1012.8	26.1	.7	29.8		21	493	368	6	191	87
80457 PUERTO AYACUCHO	0536N	06730W	74		1004.1	1013.0	24.9	-.5	22.0		13	293	-5	3	110	71
80462 SANTA ELENA DE UAIREN	0436N	06107W	907		915.5	1517 Y	20.6	-.3	19.6		22	335	149	5	145	68
80472 VALENCIA	1010N	06756W	431		963.7	1011.2	22.6		23.5		14	148			175	
80475 STO. DOMINGO (B.A.)	0735N	07204W	327		977.8	1014.9	23.1		27.7		20	391			137	85
80478 TEMBLADOR	0901N	06237W	30		1008.1	1011.7	25.9		30.0		18	347			170	80
80479 PALMICHAL	1018N	06814W	1000		901.6		20.9		21.0		13	96			187	
FRENCH GUIANA																

SURFACE

AUGUST 1999

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	%		
81401 SAINT-LAURENT-DU-MARONI	0530N	05402W	9		1012.6	1013.7	26.2		29.2		17	274	107	4	203	87
81405 CAYENNE/ROCHAMBEAU	0450N	05222W	9		1012.3	1013.1	26.1		27.3		18	174	9	4		
81408 SAINT GEORGES DE L'OYAPOCK	0353N	05148W	7		1012.1	1012.9	25.8		28.0		15	157	43	4	199	85
81415 MARIPASOULA	0338N	05402W	106		1001.4	1013.4	25.7		27.3		24	364	211	6	189	81
BRAZIL																
82024 BOA VISTA	0249N	06039W	90				27.4		30.2		19	326		4		
82098 MACAPA	0002N	05103W	15		1010.2	1011.9	27.4		31.4		10	147	49			
82106 SAO GABRIEL DA CACHOEIRA	0008S	06705W	90		1000.8	1010.7	24.9	.6	27.8		18	187		3		
82191 BELEM	0127S	04828W	10		1011.3	1011.9	27.2	1.2	30.2		10	79	-52	2		
82212 FONTE BOA	0232S	06610W	56		1004.7	1011.1	24.9		30.6		18	118		3		
82246 BELTERRA	0238S	05457W	176		994.1	1013.4			29.6		7					
82280 SAO LUIZ	0232S	04418W	51		1006.4	1012.2	26.4	.4	28.8		2	44	12	4		
82287 PARNAIBA	0305S	04147W	22		1007.3	1010.0	26.5	-.5	25.3		1	2	-2			
82331 MANAUS	0308S	06001W	72		1005.4	1013.6	26.5	-.5	28.5		5	41	-16	3		
82397 FORTALEZA	0346S	03836W	26		1010.5	1013.6	26.6	.5	24.7		1	6	-25	2		
82425 COARI	0405S	06308W	46		1007.5	1014.0	26.0		28.7		4	23		1		
82445 ITAITUBA	0416S	05559W	45		1009.1	1014.3	27.8	.8			7	36	-56			
82562 MARABA	0521S	04909W	95		1002.6	1013.7	28.3	1.5	24.8		2	12	-10			
82571 BARRA DO CORDA	0530S	04516W	153		993.9	1013.4	27.3	1.6	19.2		0	0	-14	3		
82578 TERESINA	0505S	04249W	74		1003.0		27.2	1.5	23.8		2	7	-4	5		
82586 QUIXERAMOBIM	0512S	03918W	212		985.5	1009.0	27.6	.6	17.5		0	0	-10	1		
82598 NATAL	0546S	03512W	45		1009.7	1015.0	24.2		26.0		12	50		1		
82678 FLORIANO	0646S	04301W	123		998.1	1013.7	29.2	.4	17.0		0	0	-1			
82704 CRUZEIRO DO SUL	0738S	07240W	170		989.8	1009.3	25.2		25.7		4	55		2		
82723 LABREA	0715S	06450W	60				25.1		26.1		6	103				
82765 CAROLINA	0720S	04728W	192		990.5	1016.5	28.7	1.2	15.6		0	0	-16	4		
82784 BARBALHA	0719S	03918W	409		967.9	1014.5	25.6	.7	16.0		0	0	-5			
82791 PATOS	0701S	03716W	249		985.0	1013.5	26.7		17.3		0	0				
82825 PORTO VELHO	0846S	06305W	95		1001.7	1008.7	24.7	-.3	21.0		2	6	-195	2		
82861 CONCEICAO DO ARAGUAIA	0815S	04912W	160		992.6	1010.3	28.7	2.6	26.0		0	0	-19	4		
82900 RECIFE (CURADO)	0803S	03455W	7		1015.7	1016.6	23.9	.0	23.9		20	141	-72	3		
82983 PETROLINA	0923S	04029W	370		974.1	1015.9	24.0	-.8	17.9		4	5	1			
83064 PORTO NACIONAL	1031S	04843W	250		986.5	1013.2	28.0	1.0	16.1		0	0	-7	4		
83096 ARACAJU	1055S	03703W	6		1014.8	1016.2	24.1	-.4	23.4		23	123	22	4		
83186 JACOBINA	1111S	04028W	484		959.1	1015.0	21.2	-.6	19.2		8	43	4	3		
83229 SALVADOR	1301S	03831W	51		1013.0	1019.0	23.6	-.1	23.4		22	324	189	6		
83235 TAGUATINGA	1216S	04626W	660		947.2	1013.9	25.4	.3	15.6		0	0	-3	5		
83236 BARREIRAS	1209S	04500W	440		964.2		26.5	2.9	15.9		1	1	-4			
83242 LENCOIS	1234S	04123W	438		968.2	970.8	21.8	.1	19.7		12	127	81	6		
83264 VERA (GLEBA CELESTE)	1212S	05630W	415		972.2	1013.6	24.7	1.5	23.7		0	0	-23			
83288 BOM JESUS DA LAPA	1316S	04325W	440		965.3	1016.3	24.7	-.2	19.1		0	0	-2			
83332 POSSE	1406S	04622W	950		923.9	1014.2	23.2	-.2	13.0		0	0	-12			
83344 VITORIA DA CONQUISTA	1457S	04053W	893		918.1	1019.7	16.9	-1.7	16.5		7	36	18	5		
83361 CUIABA	1533S	05607W	179		995.9	1017.1	26.7	2.0	17.6		0	0	-11	2		
83423 GOIANIA	1641S	04917W	729		930.4	1012.8	23.7	.8	13.0		0	0	-12	4		
83437 MONTES CLAROS	1643S	04352W	646		945.5	1018.2	20.6	-.6	12.4		0	0	-6	5		
83492 TEOFILO OTONI	1751S	04130W	356		982.0	1021.1	20.3	-.1	18.0		2	4	-21	1		
83498 CARAVELAS	1744S	03915W	3		1020.6	1021.1	21.6	-.7	18.0		13	145	80	5		

SURFACE

AUGUST 1999

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
83579 ARAXA	1934S	04656W	1004		904.8	1018.3	20.4	1.0	17.6		0	0	-20	2		
83587 BELO HORIZONTE	1950S	04356W	850		918.5	1020.0	19.3	.3	11.1		0	0	-13	3		
83592 CARATINGA	1948S	04209W	609		951.3	1020.7	18.2	-.9	14.5		4	4	-18	3		
83611 CAMPO GRANDE	2028S	05440W	560		956.4	1019.1	22.3	.5	11.1		0	0	-39	2		
83648 VITORIA	2019S	04020W	36		1017.7	1022.1	21.7	-.5	19.6		7	47	-8	4		
83676 CATANDUVA	2108S	04858W	536		955.1	1018.5	21.7	.6	13.7		0	0	-27	2		
83698 CAMPOS	2145S	04120W	11		1019.5	1020.9	20.7		19.2		4	17		3		
83766 LONDRINA	2323S	05111W	566		952.9	1018.7	18.6	.1	13.8		0	0	-62			
83781 SAO PAULO	2330S	04637W	792		930.6	1020.1	17.2	.1	12.0		1	1	-37	1		
83836 IRATI	2528S	05038W	837		920.9	1019.1	13.4		11.2		2	5				
83842 CURITIBA	2526S	04916W	923		917.0	1021.2	14.9	.9	14.0		2	11	-63	0		
83881 IRAI	2711S	05314W	247		988.6	1019.2	15.7	-.2	13.8		5	27	-120	0		
83897 FLORIANOPOLIS	2735S	04834W	2		1019.7	1019.9	16.7	-.2	15.9		4	28	-64	1		
83967 PORTO ALEGRE	3001S	05113W	47		1014.5	1020.4	15.4	.1	13.9		6	72	-68	6		
83980 BAGE	3120S	05406W	217		990.5	1019.3	13.9	.6	10.2		5	57	-66	1		
83997 ST.VITORIA DO PALMAR	3331S	05321W	24		1015.6	1020.0	12.4	.4	12.6		5	46	-61	1		
BOLIVIA																
85033 GUAYARAMERIN	1049S	06521W	130		998.5	1014.6	25.3		14.8		2	43		4		
85041 COBIJA	1102S	06847W	235		987.9	1014.8	23.4		13.9			T				
85043 RIBERALTA	1100S	06607W	141		998.2	1014.3	25.0		15.3		1	1		2		
85104 SAN JOAQUIN	1304S	06449W	140		998.1	1014.2	24.6		13.2			T				
85109 SAN RAMON	1318S	06442W	140		997.9	1014.0	24.3		13.2		1	22				
85114 MAGDALENA	1320S	06407W	141		998.1	1014.4	24.9		13.5		1	6		2		
85123 SANTA ANA	1346S	06526W	144		997.2	1013.8	24.5		12.5			T				
85141 RURRENABAQUE	1428S	06734W	204		992.9	1016.0	23.0		13.5		1	7		1		
85151 APOLO	1444S	06830W	1415		860.2		19.7		10.2		8	7		1		
85152 SAN BORJA	1452S	06652W	194		999.1	1013.9	22.7		12.1		0	T				
85153 SAN IGNACIO DE MOXOS	1455S	06536W	160		998.9	1017.8	23.2		12.4			T				
85154 TRINIDAD	1449S	06455W	155		996.5	1014.3	23.3		11.7			T				
85175 ASCENION DE GUARAYOS	1543S	06306W	247		985.5	1013.7	23.4		10.4			T				
85195 SAN JAVIER	1616S	06228W	534		956.7	1017.3	21.9		10.1		0	0		0		
85196 CONCEPCION	1609S	06201W	497		958.2	1014.9	23.3		10.6			T				
85201 LA PAZ/ALTO	1631S	06811W	4038		629.9		5.2		2.8		1	3		2		
CHILE																
85406 ARICA	1821S	07020W	55		1010.9	1017.8	16.2	.5	13.6	-.3	0	0	-1	3	144	120
85418 IQUIQUE	2032S	07011W	48		1011.3	1016.9	15.5	.2	12.3	-.9	0	0	0	4	178	105
85442 ANTOFAGASTA	2326S	07027W	140		1000.3	1017.4	14.0	.3	12.0	-.2	0	T	-1	4	236	110
85469 ISLA DE PASCUA	2710S	10926W	69		1011.2	1019.7	18.2		15.5		9	90		3	171	100
85470 COPIAPO	2718S	07025W	290		981.3	1015.7	12.4	.4	10.3	-.5	0	0	-2	3	215	90
85488 LA SERENA	2955S	07112W	146		1001.3	1018.5	11.0	.1	11.1	.0					157	90
85574 PUDAHUEL	3323S	07047W	474		963.0	1019.5	9.2		9.6		5	92		5	142	85
85577 SANTIAGO QUINTA NORMAL	3326S	07041W	520		958.0	1019.4	9.8		9.8		5	110		5	130	85
85585 ISLA JUAN FERNANDEZ	3337S	07849W	30		1014.2	1017.8	12.4		11.3		16	139		4	123	
85629 CURICO	3458S	07113W	220		992.0	1019.2	9.5	1.3	10.0	.5	7	171	73	5	129	105
85672 CHILLAN	3635S	07202W	148		1000.3	1015.2	10.4	2.2	12.6	3.5	8	152	17	4	119	75
85682 CONCEPCION	3646S	07304W	13		1018.1	1019.5	10.2	1.1	10.6	.7	10	214	61	2	141	85
85743 TEMUCO	3846S	07238W	93		1007.8	1021.8	9.0	1.3	9.6	.6	16	154	20	4		

SURFACE

AUGUST 1999

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.
85766	VALDIVIA	3938S	07305W	19		1015.4	1017.7	8.4	1.0	10.0	.9	19	316	69	4	102	90
85782	OSORNO	4036S	07303W	58		1010.3	1018.3	7.9	.8	9.3	.4	17	216	43	4		
85799	PUERTO MONTE	4126S	07306W	90		1006.7	1017.7	7.7	.9	9.0	.3	16	208	0	4	123	135
85864	COYHAIQUE	4536S	07206W	311		976.7	1014.4	4.6	.8	6.8	.4	12	89	-35	2	125	
85874	BALMACEDA	4555S	07142W	522		950.6	1013.2	3.0	1.1	6.2	.7	9	49	-23	2	156	
85934	PUNTA ARENAS	5300S	07051W	43		1002.1	1007.7	2.3	.3	6.8	1.0	9	61	31	5	92	80
PARAGUAY																	
86011	BASE 5 'GRAL A. JARA'	1932S	05922W	150		999.2	1015.8	23.2		12.9		1	1				
86033	BAHIA NEGRA	2013S	05810W	96		1004.8	1014.4	21.5		16.3		0	0				
86065	PRATS-GIL	2242S	06130W	220		991.1	1017.1	19.1		12.3		0	0			272	
86068	MARISCAL ESTIGARRIBIA	2201S	06036W	181		996.0	1014.4	20.1	-1.2	13.1	-.4	0	0	-21	1	258	130
86086	PUERTO CASADO	2217S	05752W	87		1007.1	1017.1	21.0	-.4	15.4	-1.0	0	0	-44	1		
86097	PEDRO JUAN CABALLERO	2235S	05539W	662		952.9	1017.5	20.8		11.6		0	0				
86134	CONCEPCION	2325S	05718W	74		1006.5	1016.4	19.6	-.4	14.6	-1.3	0	0	-55	0	299	190
86185	UNKNOWN	9999N	09999E	9		1007.8	1017.2	19.0		14.4		0	0				
86210	SALTOS DEL GUAIRA	2403S	05419W	0		991.3	1016.3	17.6		13.8		1	1			249	
86218	ASUNCION/AEROPUERTO	2516S	05738W	101		991.3	1017.5	19.1	.5	13.1	-1.7	2	14	-63	1		
86233	VILLARRICA	2545S	05626W	161		997.3	1016.0	18.6	.4	13.4	-1.5	4	11	-93	0	223	115
86246	UNKNOWN	9999N	09999E	9		990.6	1018.8	18.2		13.8		2	10				
86248	CIUDAD DEL ESTE	2532S	05436W	196		995.6	1017.3	18.6	1.0	15.0	-.4	2	15	-100	1		
86255	PILAR	2651S	05819W	56		1010.6	1017.3	16.9	-.6	13.9	-.8	1	6	-41	0		
86260	SAN JUAN BAUTISTA MISIONES	2640S	05709W	126		1001.4	1016.0	17.8	.9	13.8	.0	2	8	-76	0	235	135
86297	ENCARNACION	2719S	05550W	91		1006.3	1017.2	17.2	.6	14.6	.3	1	12	-104	0	236	140
URUGUAY																	
86330	ARTIGAS	3023S	05630W	120		1004.0	1018.5	14.5	.1	12.0	.5	2	18	-69	1	214	116
86350	RIVERA	3053S	05532W	241		990.5	1019.0	14.0		11.7		3	31		1	201	120
86360	SALTO	3123S	05757W	33		1013.0	1018.1	14.2	1.0	11.3	.1	3	15	-55	1	227	129
86430	PAYSANDU	3220S	05802W	61		1012.0	1019.4	13.7		11.3		3	17		1	232	125
86440	MELO	3222S	05413W	100		1006.5	1018.8	12.5	.1	11.7	.2	5	69	-43	2	186	113
86460	PASO DE LOS TOROS	3248S	05631W	75		1009.3	1018.5	12.6	.1	11.4	.1	4	46	-44	2	205	121
86490	MERCEDES	3315S	05804W	17		1016.7	1018.8	12.4	.3	10.9	.3	4	35	-30	2	293	175
86500	TREINTA Y TRES	3313S	05423W	46		1013.5	1019.1	12.3	.1	11.3	.2	5	65	-49	2	174	113
86560	COLONIA	3427S	05750W	23		1015.5	1018.4	13.0	.8	10.5	-.6	5	83	7	4	221	132
ARGENTINA																	
87016	ORAN AERO	2309S	06419W	357		973.7	1014.3	16.5	-.4	11.9	-1.0					184	106
87022	TARTAGAL AERO	2239S	06349W	450		963.4	1015.1	13.1		10.8						236	
87046	JUJUY AERO	2423S	06505W	905		913.6	1508 Y	14.0		8.3		0	0		1	229	100
87047	SALTA AERO	2451S	06529W	1221		880.8	1521 Y	12.1	-.2	7.5	-1.0	0	0	-4	1	221	113
87097	IGUAZU AERO	2544S	05428W	270		986.4	1017.7	18.2		17.5		3	17		1	199	
87121	TUCUMAN AERO	2651S	06506W	450		964.2	1016.4	15.0		10.0		2	4			226	
87155	RESISTENCIA AERO.	2727S	05903W	52		1011.6	1017.9	16.7		12.4		0	0		1	168	105
87162	FORMOSA AERO	2612S	05814W	60		1009.1	1016.1	18.1	.4	13.0	-2.1	1	4	-56	0	201	112
87163	B. DE IRIGOYEN AERO	2615S	05309W	815		926.1	1542 Y	17.3		11.6		2	28			260	
87166	CORRIENTES AERO.	2727S	05846W	62		1010.4	1017.7	16.7	.2	12.9	-1.2	0	0	-56	0	215	112
87178	POSADAS AERO.	2722S	05558W	125		1003.3	1018.0	18.2	.9	13.1	-1.7	2	19	-92	0	203	134
87217	LA RIOJA AERO.	2923S	06649W	429		965.6	1015.7	14.1	.1	7.8	-.6	0	0	-5	1	246	103

SURFACE

AUGUST 1999

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.
87222 CATAMARCA AERO.	2836S	06546W	454		961.0	1013.1	14.8		7.7		1	2		2	228	
87244 VILLA DE MARIA DEL RIO SECO	2954S	06341W	341		976.2	1016.4			11.3	1.7	1	20	6	1		
87257 CERES AERO	2953S	06157W	88		1007.0	1017.5	13.6	-.2	11.7	.3	1	2	-21	1	230	114
87270 RECONQUISTA AERO	2911S	05942W	53		1011.2	1017.5	16.0	1.1	11.7	-2.0	1	2	-30	1	234	116
87289 PASO DE LOS LIBRES AERO	2941S	05709W	70		1003.2	1018.8	15.1	.0	12.6	-.8	3	20	-64	1	181	120
87311 SAN JUAN AERO	3134S	06852W	598		948.0	1017.9	10.2		5.2		1	18		2	207	80
87328 VILLA DOLORES AERO	3157S	06508W	569		982.2	1016.4	12.9	.1	8.1	.8	2	6	-2	1	259	112
87344 CORDOBA AERO	3119S	06413W	474		962.4	1017.7	12.9	.6	8.2	-.2	0	0	-11	1	230	113
87349 PILAR OBSERVATORIO	3140S	06353W	338		977.3	1026.2	12.1	.1	7.8	-.6	1	95	86	1	311	146
87374 PARANA AERO	3147S	06029W	78		1000.8	1018.3	13.5	.9	10.7	-.3	2	10	-25	1	223	111
87393 MONTE CASEROS AERO	3016S	05739W	54		1004.0	1018.7	15.2	.6	12.7	-.1	3	22	-47	1	220	123
87395 CONCORDIA AERO	3118S	05801W	38		1014.3	1018.4	14.6	.9	11.4	-.8	3	17	-56	1	203	
87418 MENDOZA AERO	3250S	06847W	704		936.6	1018.4	10.5	.3	6.6	.2	2	13	10	1	196	86
87436 SAN LUIS AERO	3316S	06621W	713			1016.7	11.8	.2	6.4	-.4	3	16	8	1	221	93
87448 VILLA REYNOLDS AERO	3344S	06523W	486		960.8	1018.2	9.4	-.5	7.6	.2	3	26	11	1	199	99
87467 MARCOS JUAREZ AERO	3242S	06209W	114		1012.5	1018.2	11.3	.1	9.5	-.6	1	7	-13	1	220	118
87480 ROSARIO AERO	3255S	06047W	25		1015.8	1018.8	12.5	1.0	10.6	.1	3	20	-16	1	212	112
87497 GUALEGUAYCHU AERO	3300S	05837W	21		1015.4	1017.9	13.1	1.0	11.9	.8	3	31	-25	1	210	130
87506 MALARGUE AERO	3530S	06935W	1425		858.9	1508 Y	6.2	.8	4.4	-.9	7	32	16	1	177	
87509 SAN RAFAEL AERO	3435S	06824W	748		931.3	1018.3	9.1	-.2	6.2	.0	6	55	42	1	170	83
87534 LABOULAYE	3408S	06322W	137		1002.1	1018.7	10.1	-.3	8.9	.4	3	25	6	1	222	110
87544 PEHUAJO AERO	3552S	06154W	87		1008.0	1018.6	11.0	1.4	10.3	1.0	1	331	302	1	191	
87548 JUNIN AERO	3433S	06057W	81		1008.3	1018.0	11.4	1.2	9.1	-.5	3	34	0	1	205	110
87550 NUEVE DE JULIO	3527S	06053W	76		1008.7	1017.9	10.9	.3	9.0	-.8	4	29	-15	1		
87563 LAS FLORES AERO	3604S	05906W	38		1013.9	1018.5	11.8		11.0		4	38			195	
87576 EZEIZA AERO	3449S	05832W	20		1016.3	1018.7	12.3	1.6	10.1	.1	5	66	8	1	160	118
87582 AEROPARQUE BS. AS. AERO	3434S	05825W	6		1018.8	1019.5	13.0	.8	10.8	-.1	5	63	-3	1	211	124
87585 BUENOS AIRES OBSERVATORIO	3435S	05829W	25		1016.2	1019.3	13.3	1.0	10.6	.0	5	100	31	1	192	111
87593 LA PLATA AERO	3458S	05754W	19		1013.5	1019.1	11.2	.8	11.0	.5	5	95	30	1	283	176
87596 PUNTA INDIO B.A.	3522S	05717W	22		1016.4	1019.2	11.3	.9	10.9	.2	7	94	28	1	199	115
87641 AZUL AERO	3650S	05953W	147		1000.3	1018.4	8.6		8.5		3	39			170	
87645 TANDIL AERO	3714S	05915W	175		997.2	1011.1	8.3		7.8		4	40		3	152	85
87679 FIGUE AERO	3736S	06223W	304		938.4	1019.2	9.3	1.5	7.9	.2	2	23	0	1		
87688 TRES ARROYOS	3820S	06015W	115		1003.9	1017.8	9.3		8.3		5	35		4	125	70
87692 MAR DEL PLATA AERO	3756S	05735W	21		1016.6	1019.0	9.1	.2	9.4	.1	7	40	-24	1	111	85
87715 NEUQUEN AERO	3857S	06808W	271		985.7	1018.3	9.0	1.0	6.2	.3	0	12	1	1	187	101
87750 BAHIA BLANCA AERO	3844S	06210W	83		1008.0	1018.1	10.4	1.3	8.3	.6	2	20	-7	1	180	106
87765 BARILOCHE AERO	4109S	07110W	840		920.4	1481 Y	3.8	.8	6.0	-.2	11	235	120	1	165	106
87774 MAQUINCHAO	4115S	06844W	888		914.6	1462 Y	5.7	2.5	5.7	.8	1	5	-9	1		
87784 SAN ANTONIO OESTE AERO	4047S	06506W	20		1014.8	1016.9	9.0	-.8	6.2	-.9	1	8	-11	1	173	
87791 VIEDMA AERO	4051S	06301W	7		1015.5	1016.5	9.2		7.1		4	26		4	220	120
87800 EL BOLSON AERO	4158S	07131W	337		977.8	1018.7	6.3		6.9		14	167			143	
87803 ESQUEL AERO	4256S	07109W	785		921.7	1014.1	3.9	.8	5.4	.0	7	66	9	1	205	65
87823 P. MADRYN AERO	4244S	06504W	136		997.1	1013.6	9.1		7.2		3	27			179	
87828 TRELEW AERO	4312S	06516W	43		1009.7	1014.8	8.9	1.1	6.8	1.0					213	123
87852 PERITO MORENO AERO	4631S	07101W	429		959.7	1011.2	4.1		5.9		4	13			156	45
87860 COMODORO RIVADAVIA AERO	4547S	06730W	46		1006.4	1012.0	9.4	1.7	5.7	.0	3	20	-5	1	180	132
87880 GOBERNADOR GREGORES AERO	4847S	07010W	357		965.1	1008.7	4.9		5.5		6	28			141	
87896 PUERTO DESEADO AERO	4744S	06555W	80		999.7	1009.6	6.0	.9	4.0	-2.3	06	19	4	1	130	

SURFACE

AUGUST 1999

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	
87903 LAGO ARGENTINO AERO	5020S	07218W	220		986.2	1005.9	3.2	.6	4.9	-.2	3	10	-11	1	104	75
87909 SAN JULIAN AERO	4919S	06745W	62		1001.8	1009.4	5.5		6.5		11	50		6	141	
87925 RIO GALLEGOS AERO	5137S	06917W	19		1005.5	1007.9	2.9	-.1	5.8	.1	4	24	13	1	90	
ANTARCTICA																
UNITED KINGDOM (ANTARCTIC)																
89022 HALLEY	7530S	02639W	30		975.7	980.5	-25.9		.9						9	
USSR (ANTARCTIC)																
89050 BELLINGSHAUSEN	6212S	05856W	16		987.4	989.3	-5.4		3.7		11	40			18	
89512 NOVOLAZAREVSKAJA	7046S	01150E	0		968.1	983.6	-16.0		1.1		8	50			34	
89592 MIRNYJ	6633S	09301E	30		976.8	982.5	-17.0		1.3		9	38				
GERMANY (ANTARCTIC)																
89002 NEUMAYER	7040S	00815W	50		970.2	975.5	-19.3		1.1						0	
CHILE (ANTARCTIC)																
89056 CENTRO MET. ANTARTICO' ' PDTE. ED	6211S	05859W	48		985.0	990.5	-5.5		3.6	.5	1	1		0	10	
89057 BASE ARTURO PRAT	6230S	05941W	5		989.5	990.1	-5.5	1.2	3.8	.7	31	46	-15		38	
89059 BASE BERNARDO O'HIGGINS	6319S	05641W	10		987.0	988.0	-7.7	.7	2.9	.3	8	33	-34	2	39	
JAPAN (ANTARCTIC)																
89532 SYOWA	6900S	03935E	21		985.2	988.0	-21.2	-1.5	1.0	.0					62	
AUSTRALIA (ANTARCTIC)																
89564 MAWSON	6736S	06252E	16		982.8	985.0	-19.0		.8						113	
89571 DAVIS	6834S	07757E	13		978.2	981.1	-16.9		1.2						56	
USSR (ANTARCTIC)																
89606 VOSTOK	7827S	10652E	3490		618.2	774.9	-67.8		.0							
AUSTRALIA (ANTARCTIC)																
89611 CASEY	6617S	11031E	42		975.1	980.5	-15.4		1.5		1	3			43	
FRANCE (ANTARCTIC)																
89642 DUMONT D'URVILLE	6640S	14001E	43		979.7	985.3	-17.3		1.3							
SW PACIFIC																
MALAYSIA (PENIN. MALAYSIA)																
48601 PENANG/BAYAN LEPAS	0518N	10016E	4		1010.3	1010.6	26.9	.1	29.8	-.1	13	507	265	5	172	91
48615 KOTA BHARU	0610N	10217E	5		1009.5	1010.1	27.0	.1	29.6	.3	14	224	52	5	226	106
48647 KUALA LUMPUR/SUBANG	0307N	10133E	22		1008.1	1010.6	27.5	.9	28.8	.2	7	100	-45	2	176	93
48657 KUANTAN	0337N	10313E	16		1008.5	1010.3	26.6	.3	29.3	.2		229	56	4	199	104
48665 MALACCA	0216N	10215E	9		1009.5	1010.5	26.9	.5	29.6	.0	9	246	82	5	169	88

SURFACE

AUGUST 1999

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	
SINGAPORE																
48698 SINGAPORE/CHANGI AIRPORT	0122N	10359E	16		1008.2	1010.1	27.5	.5	30.7	1.0	14	204	61	4	175	97
USA (PACIFIC OCEAN NORTH)																
91165 LIHUE, KAUAI, HAWAII	2159N	15921W	45			1018.4	25.8	-.6	24.0		9	35	-9	2		
91182 HONOLULU, OAHU, HAWAII	2121N	15756W	5			1017.5	27.1	-.3	20.9		2	4	-7	3		
91212 NWSO AGANDA, GUAM, MARIANA,	1329N	14448E	82		1002.1	1010.9	27.8	.2	30.6		22	213	-135	1	215	
91285 HILO/GEN. LYMAN, HAWAII,	1943N	15504W	11			1018.3	23.6	-1.0	24.6		26	246	9	4		
91334 TRUK, CAROLINE IS.	0728N	15151E	2			1010.7	26.6	-.8	31.3		17	109	-240	0		
91348 PONAPE, CAROLINE ISLANDS.	0658N	15813E	46			1011.5	26.4	-.6	29.7		20	214	-205	0		
91366 KWAJALEIN/BUCHOLZ AAF, MARSH	0844N	16744E	8			1011.1	27.5	-.4	29.4		18	227	-29	3		
91376 MAJURO/MARSHALL IS. INTL	0705N	17123E	3			1011.1	27.7	.3	29.1		21	266	-26	3		
91408 KOROR, PALAU IS.	0720N	13429E	33			1010.9	27.4	-.1	29.9		24	650	271	5		
91413 YAP, CAROLINE IS.	0929N	13805E	16			1010.1	26.4	-.7	30.7		21	494	108	4		
VANUATU																
91554 PEKOA AIRPORT (SANTO)	1531S	16713E	44		1008.3	1013.0	24.7		25.5		19	178		5		
91557 BAUERFIELD (EFATE)	1742S	16818E	21		1012.9	1015.0	22.4		23.4		17	272				
91568 ANEITYUM	2014S	16946E	7		1016.0	1016.8	21.7		20.6		16	235		5		
NEW CALEDONIA																
91577 KOUMAC (NLE-CALEDONIE)	2034S	16417E	18		1015.0	1017.1	19.8	-.3	17.7		8	74	31	5	163	71
91592 NOUMEA (NLE-CALEDONIE)	2216S	16627E	72		1009.8	1018.3	19.7	.0	17.9		9	87	17	4	155	77
TUVALU (NEW ZEALAND)																
91643 FUNAFUTI	0831S	17913E	2		1010.9	1011.1	28.4		30.8		12	94			282	140
FIJI																
91650 ROTUMA	1230S	17703E	26			1012.5	27.5		28.8		11	102		2	269	125
91680 NANDI	1745S	17727E	25			1014.5	23.9	.3	24.1		13	108	49	5	177	77
91683 NAUSORI	1803S	17834E	7			1015.1	23.2		25.0		24	389		5		
91699 ONO-I-LAU	2040S	17843W	28			1016.9	22.4		18.2		11	137		4		
SAMOA (USA)																
91765 PAGO PAGO/INT. AIRPORT	1420S	17043W	3			1013.6	27.0		29.0		15	147		3		
COOK ISLANDS (NEW ZEALAND)																
91843 RAROTONGA	2112S	15949W	7		1017.0	1017.8	22.7		21.0		5	19		1	172	210
FRENCH POLY. (MARQUESAS)																
91925 ATUONA	0948S	13902W	52		1008.1	1014.0	24.7		23.0		4	13	-99	0	247	114
FRENCH POLY. (SOCIETY IS)																
91929 BORA-BORA	1626S	15145W	3		1015.0	1015.4	26.3		25.1		6	28			260	
91938 TAHITI-FAAA	1733S	14937W	2		1015.6	1015.9	25.2		23.0		2	13	-35	1	253	101
FRENCH POLY. (TUAMOTU IS)																
91943 TAKAROA	1429S	14502W	3		1014.9	1015.2	26.5		25.0		9	48	-19	2	173	70
91945 HERETHERETUE	1952S	14500W	3		1016.2	1016.7	24.3		22.6		6	35		3	222	

SURFACE

AUGUST 1999

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.
91948 RIKITEA	2308S	13458W	89		1006.5	1016.8	21.8		21.0		13	85	-110	0	174	103
FRENCH POLY. (AUSTRAL IS)																
91954 TUBUAI	2321S	14929W	3		1016.7	1017.0	21.3		20.2		14	80	-68	2	161	88
91958 RAPA	2737S	14420W	2		1015.8	1016.1	17.9		15.8		19	239	91	3		75
NEW ZEALAND																
93012 KAITAIA	3506S	17316E	54				11.9		11.2		15	111	-40	2	193	120
93292 GISBORNE AERODROME AWS	3839S	17759E	5			1020.1	9.9	- .2	9.4		7	62	-45	4		
93309 NEW PLYMOUTH AWS	3901S	17411E	32			1020.3	9.9		10.3		13	157		5		
93417 PARAPARAUMU AERODROME	4054S	17459E	12			1019.3	9.0	- .3	10.2		10	72	-24	2	173	125
93615 HOKITIKA AERODROME AWS	4243S	17059E	40			1018.9	8.5		8.9		14	202		2		
93678 KAIKOURA	4225S	17342E	101			1018.1	8.8		7.6		7	36		4		
93780 CHRISTCHURCH	4329S	17233E	30			1018.0	6.8		8.0		11	65		4		
93844 INVERCARGILL AERODROME	4625S	16819E	4			1016.6	6.7	.3	7.9		14	93	31	5	137	110
93987 CHATHAM ISLANDS AWS	4357S	17634W	49			1015.1	8.4		9.5		19	117		6		
93994 RAOUL ISLAND KERMADEC IS.	2915S	17755W	49			1022.2	15.6		13.3		12	66		1		
AUSTRALIA																
94120 DARWIN AIRPORT	1225S	13053E	31		1010.4	1014.0	24.9		19.0		0	0	-7	1	332	105
94150 GOVE AIRPORT	1217S	13649E	54		1008.3	1014.4	23.8		22.3		2	23		6	295	100
94203 BROOME AIRPORT	1757S	12214E	7		1013.8	1014.8	22.4		14.7		0	0	-1	1	322	
94212 HALLS CREEK AMO	1814S	12740E	424		967.5	1015.7	22.8		6.2		0	0	-2	1		
94238 TENNANT CREEK MET OFFICE	1938S	13411E	375		974.5	1017.8	21.5		6.3		0	0	-2	1	332	103
94287 CAINES AERO	1653S	14545E	3		1017.2	1018.1	21.1		17.7		6	51	29	1	242	98
94294 TOWNSVILLE AERO	1915S	14645E	9		1018.3	1019.4	20.1		15.7		1	6	-7	1	281	101
94299 WILLIS ISLAND	1618S	14959E	6		1015.2	1016.2	23.5		20.2		6	46	16	1		
94312 PORT HEDLAND PARDOO	2022S	11838E	9		1015.1	1016.1	21.5		12.1		0	0	-4	1		
94326 ALICE SPRINGS AERO	2348S	13353E	546		957.2	1020.8	15.5		6.2		1	3	-8	1	267	90
94332 MT ISA AERO	2041S	13929E	340		978.8	1018.3	19.3		6.6		0	0	-4	1	328	103
94346 LONGREACH AIRPORT	2326S	14417E	192		997.4	1020.1	18.1		7.5		0	0	-14	1		
94367 MACKAY MO	2107S	14913E	30		1016.2	1020.0	18.2		17.0		2	13	-16	1	261	90
94374 ROCKHAMPTON AERO	2323S	15029E	14		1019.8	1021.6	17.6		13.2		1	11	-18	1		
94403 GERALDTON AIRPORT	2848S	11442E	33		1016.9	1021.2	14.0		11.4		7	39	-27	1		
94430 MEEKATHARRA AIRPORT	2637S	11833E	517		960.2	1020.6	15.6		7.6		1	4	-8	1		
94461 GILES	2502S	12817E	598		951.5	1020.7	16.1		6.1		1	16	6	1	283	94
94610 PERTH AIRPORT	3156S	11559E	31		1018.4	1020.9	13.1		10.7		14	157	46	1	223	
94647 EUCLA	3141S	12853E	102		1009.1	1021.5	14.2		8.7		3	14		1		
94653 CEDUNA AIRPORT	3208S	13342E	16		1020.8	1022.7	13.0		8.4		4	16	-18	1	248	108
94693 MILDURA AIRPORT	3414S	14205E	52		1017.2	1023.5	11.1		9.1		4	45	17	1	254	120
94711 COBAR	3129S	14550E	264								5	24	-8	1	250	102
94776 WILLIAMTOWN AERODROME	3248S	15150E	8		1023.0	1024.1	12.6		11.1		10	96	26	1	219	96
94791 COFFS HARBOUR MO	3019S	15307E	5		1022.9	1023.7	14.7		12.4		7	123	57	1	250	100
94802 ALBANY AIRPORT	3456S	11748E	69		1010.9	1019.3	11.6		10.5		15	99	-5	1	216	
94821 MOUNT GAMBIER AERO	3744S	14047E	69		1014.6	1023.0	10.1		9.9		9	48	-42	1	181	117
94865 LAVERTON RAAF	3751S	14445E	21		1020.8	1023.3	11.0		10.1		5	48	-2	1		
94907 EAST SALE AIRPORT	3806S	14708E	8		1021.9	1022.9	10.1		9.7		5	25	-24	1	167	98
94910 WAGGA AIRPORT	3510S	14727E	213		998.0	1024.1	9.2		9.0		5	50	-8	1	229	125
94926 GANBERRA AMO	3518S	14912E	580		955.8	1025.2	7.2		7.3		3	46	-5	1	243	121

SURFACE

AUGUST 1999

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	%		
94968 LAUNCESTON AIRPORT	4132S	14712E	178		999.6	1021.4	7.8		9.1		12	82	4	1	179	109
94975 HOBART AIRPORT	4250S	14729E	27		1016.5	1019.9	9.6		8.8		4	9	-38	1	185	111
AUSTRALIA (ADDITIONAL IS.)																
94995 LORD HOWE ISLAND AERO	3132S	15904E	6		1022.5	1023.3	16.2		12.8		13	67	-73	1		
94996 NORFOLK ISLAND AERO	2902S	16756E	109		1009.1	1022.2	15.6		12.3		10	50	-65	1	223	113
94998 MACQUARIE ISLAND	5429S	15856E	6		1003.4	1004.4	3.7		6.8		19	76	14	1		90
INDONESIA (SUMATRA)																
96171 RENGAT/JAPURA	0028N	10219E	46		1007.4	1009.9	26.3		28.4		9	159		5	129	
96221 PALEMBANG/TALANGBETUTU	0254S	10442E	10		1010.3	1011.6	26.7		27.3			51		0	194	
96249 TANJUNGPANDAN/BULUH TUMBANG	0245S	10745E	44		1004.6	1010.5	26.4		26.6		3	15		1	215	100
96295 TELUKBETUNG/BERANTI	0516S	10511E	96		1003.0	1013.4	26.2		27.7			38		0	173	95
BRUNEI DARUSSALAM																
96315 BRUNEI AIRPORT	0456N	11456E	15		1008.1	1010.0	27.7		30.0	.1	12	181	-17	3	206	94
MALAYSIA (SABAH & SARAWAK)																
96413 KUCHING	0129N	11020E	27		1008.0	1010.5	26.6		28.4		13	265		4	199	116
96421 SIBU	0220N	11150E	8		1007.0	1010.6	26.6		28.3		15	214		3	157	85
96441 BINTULU	0312N	11302E	5		1010.1	1010.5	27.1	.3	29.3		15	348	58	4	170	90
96449 MIRI	0420N	11359E	18		1008.2	1010.2	27.4	.5	29.7		11	310	109	5	203	100
96465 LABUAN	0518N	11515E	30		1007.0	1010.4	27.8		30.1	-.4	17	387		4	211	95
96471 KOTA KINABALU	0556N	11603E	3		1009.9	1010.2	27.4		29.2		15	260		3	183	90
96481 TAWAU	0416N	11753E	20		1008.4	1010.7	26.4		28.5		16	177	-24	2	170	75
96491 SANDAKAN	0554N	11804E	13		1008.8	1010.0	27.3	.1	29.9		11	219		3	209	90
INDONESIA (JAWA)																
96745 JAKARTA/OBSERVATORY	0611S	10650E	8		1010.2	1011.2	28.0		25.8		0	3		1	84	40
96749 JAKARTA/SOEKARNO- HATTA	0607S	10639E	8		1010.2	1011.5	26.5		28.1			56		0		
96805 CILACAP	0744S	10901E	6			1012.6	27.0		27.0			46		0	241	
AUSTRALIA (OCEAN ISLANDS)																
96996 COCOS ISLAND AERO	1211S	09649E	3		1013.1	1013.5	27.2		27.2		12	65	-53	1		
PHILIPPINES																
98135 BASCO	2027N	12158E	11		1006.3	1007.6	28.3	.2	33.6	.5	20	300	-119	2		
98223 LAOAG	1811N	12032E	5		1002.6	1007.2	28.1	.0	31.7	-1.4	15	426	7	2	207	
98233 TUGUEGARAO	1737N	12144E	62		997.8	1004.9	27.5	-1.0	21.0	-10.8	12	274	-41	4	187	
98325 DAGUPAN	1603N	12020E	2		1007.4	1007.7	24.3	-3.4	31.7	.7	18	1071	454	5		
98328 BAGUIO	1625N	12036E	1501		850.3	1007.6	18.4		19.4		23	1279		5	235	
98330 CABANATUAN	1529N	12058E	32		1005.2	1008.4	28.1	.4	31.7	.7	17	431	-186			
98429 NINYO AQUINO INTER- NATIONAL	1431N	12100E	15		1006.8	1009.2	27.3	-1.1	22.4	-7.2	18	392	-6			
98444 LEGASPI	1308N	12344E	17		1007.2	1009.1	27.8	.0	31.7	1.0	19	239	-41	3		
98637 ILOILO	1042N	12234E	8		1008.3	1009.0	27.5	.0	29.8	-1.4	20	407	44	4		
98644 TAGBILARAN	0936N	12351E	8		1000.8	1008.9	27.2	-3	29.8	-1.4	17	220	-143	6		
98646 MACTAN	1018N	12358E	24		1008.4	1011.2	27.7	-7	31.7	1.5	19	192	56		315	
98653 SURIGAO	0948N	12530E	55		1007.0	1011.5	27.4	-7	31.7	1.4	20	290	177			
98836 ZAMBOANGA	0654N	12204E	6		1009.7	1010.5	27.6	.1	29.8	.2	21	459	345	6	164	

SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPART	MEAN	DEPART	DAYS 1 MM	TOTAL	DEPART	QUINTILE	TOTAL	% OF AV.
MARCH 1999 EUROPE	0°	0°	m		mb	mb	° C	° C	mb	mb		mm	mm		hr	
ITALY 16420 MESSINA	3812N	01533E	51		1001.3	1006.9	28.9		27.6		2	29	-54	2		
JULY 1999 EUROPE																
ITALY 16045 UDINE/RIVOLTO	4559N	01302E	53		1008.1	1014.2	24.0		19.6		6	45	-34	2	184	76

UPPER AIR

AUGUST 1999

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
EUROPE - NORWAY JAN MAYEN 01001 AUG 1999 7056N 00840W OB 3									EUROPE - NORWAY BJORNOYA 01028 AUG 1999 7431N 01901E OB 3									EUROPE - NORWAY BODO 01152 AUG 1999 6715N 01424E OB 3								
030	24276	4	-46.1	34.2	4	38	147	2	030	24323	0	-45.7	34.5	0	32	100	1	030	24289	0	-47.1	33.4	0	48	71	2
050	20887	1	-46.3	34.0	1	44	196	2	050	20926	0	-45.9	33.8	0	24	152	1	050	20915	0	-47.3	32.9	0	34	247	2
100	16291	1	-46.8	33.1	1	71	249	4	100	16307	0	-45.1	33.1	0	45	220	3	100	16328	0	-47.0	32.8	0	73	259	5
150	13603	1	-46.6	33.0	1	78	264	7	150	13598	0	-44.7	32.4	0	46	231	4	150	13643	0	-46.8	32.7	0	74	270	7
200	11699	0	-46.8	29.7	0	78	274	11	200	11675	0	-45.1	28.6	0	46	224	5	200	11738	0	-47.6	27.5	0	78	279	10
300	9041	0	-47.6	10.1	0	75	275	18	300	8998	0	-47.8	11.0	0	40	203	8	300	9085	0	-47.7	9.6	0	73	287	14
500	5489	0	-23.2	9.8	0	75	272	10	500	5464	0	-24.0	8.7	0	38	199	5	500	5525	0	-21.9	11.4	0	78	287	10
700	2948	0	-8.0	9.3	0	61	260	5	700	2931	0	-8.7	7.6	0	27	208	2	700	2971	0	-6.8	7.9	0	71	284	7
850	1418	0	-6	6.0	0	39	245	3	850	1403	0	-9	4.3	0	1	310	0	850	1431	0	.9	3.4	0	72	264	5
1012	* 9		5.5	1.6					1009	* 18		4.6	.9					1010	* 33		11.1	3.2				
EUROPE - NORWAY ORLAND 01241 AUG 1999 6342N 00936E OB 3									EUROPE - SWEDEN SUNDSVALL-HARNOSAND FPL 02365 AUG 1999 6232N 01727E OB 3									EUROPE - SWEDEN GOTEBORG/LANDVETTER 02527 AUG 1999 5740N 01218E OB 3								
030	24285	1	-47.5	33.1	1	25	112	1	030	24301	20	-47.8	34.6	9	37	94	2	030	24315	26	-49.0	31.4	9	69	110	4
050	20918	0	-48.1	32.7	0	49	235	1	050	20933	5	-48.5	32.5	7	34	234	2	050	20943	12	-50.2	32.7	9	39	225	2
100	16354	0	-48.1	32.4	0	78	260	3	100	16371	8	-48.3	32.2	9	81	257	7	100	16408	8	-50.2	32.7	9	86	265	7
150	13685	0	-48.5	32.3	0	79	275	4	150	13704	2	-48.4	32.5	3	85	268	9	150	13759	1	-49.7	31.7	2	85	259	9
200	11797	0	-49.9	26.6	0	77	279	5	200	11813	1	-49.6	26.0	3	82	272	10	200	11869	1	-50.4	24.8	3	78	263	9
300	9163	0	-46.5	9.9	0	63	288	6	300	9178	1	-46.9	9.0	2	68	284	11	300	9235	1	-45.6	8.7	3	53	258	7
500	5577	0	-20.1	11.8	0	68	287	4	500	5587	1	-20.0	12.2	1	69	283	7	500	5623	1	-17.8	11.8	4	48	254	4
700	3003	0	-4.4	11.1	0	64	277	3	700	3012	1	-4.5	8.8	2	70	281	5	700	3029	1	-2.3	7.6	5	21	185	2
850	1450	0	3.5	6.1	0	61	271	3	850	1454	1	5.1	6.7	5	43	292	3	850	1461	1	7.2	5.3	2	27	187	2
1012	* 10		12.0	3.8					1011	* 6		13.6	5.0					1000	* 155		18.2	6.3				
EUROPE - FINLAND SODANKYLA 02836 AUG 1999 6722N 02639E OB 3									EUROPE - FINLAND JYVASKYLA 02935 AUG 1999 6224N 02541E OB 3									EUROPE - FINLAND JOKIOINEN 02963 AUG 1999 6049N 02330E OB 3								
030	24284	0	-47.3	33.1					030	24279	2	-48.0	33.7	2	31	111	1	030	24293	9	-48.6	32.2	9	43	94	2
050	20917	0	-47.6	33.0	0	16	217	1	050	20931	1	-48.6	33.6	1	48	239	2	050	20940	0	-49.2	32.8	0	59	227	3
100	16331	0	-46.7	33.0	0	65	261	4	100	16373	0	-48.2	34.2	0	78	265	6	100	16390	0	-48.7	32.4	0	82	257	7
150	13642	0	-46.5	33.1	0	70	263	6	150	13703	0	-48.0	33.9	0	82	267	8	150	13726	0	-48.5	31.4	0	85	263	9
200	11733	0	-47.0	29.2	0	68	266	8	200	11810	0	-49.4	26.7	0	74	271	10	200	11835	0	-49.6	24.1	0	77	270	10
300	9067	0	-46.8	12.3	0	58	262	10	300	9169	0	-46.9	8.5	0	70	271	11	300	9195	0	-46.2	9.3	0	69	272	10
500	5511	0	-22.4	10.9	0	72	269	7	500	5584	0	-19.8	10.7	0	80	276	8	500	5600	0	-19.3	11.5	0	77	272	7
700	2960	0	-6.7	6.3	0	65	275	5	700	3005	0	-3.8	8.9	0	73	287	5	700	3016	0	-3.3	9.8	0	67	278	5
850	1419	0	2.1	3.9	0	48	280	3	850	1447	0	5.1	3.8	0	45	285	3	850	1455	0	5.8	4.9	0	43	299	3
989	* 179		9.5	4.6					995	* 145		13.2	5.8					1000	* 103		14.2	5.7				

UPPER AIR

AUGUST 1999

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
			°C	°C									°C	°C									%	°					
EUROPE - UNITED KINGDOM LERWICK 03005 AUG 1999 6008N 00111W OB 3									EUROPE - UNITED KINGDOM STORNOWAY 03026 AUG 1999 5813N 00619W OB 3									EUROPE - UNITED KINGDOM HEMSBY 03496 AUG 1999 5241N 00141E OB 3											
030	24285	1	-47.5			1	43	80	2	030	24279	0	-47.6			0	42	65	2	030	24288	11	-48.8			9	57	89	3
050	20924	0	-49.1			0	67	237	3	050	20926	0	-49.9			0	48	252	2	050	20944	0	-51.5			0	42	239	2
100	16384	0	-49.6			0	84	261	6	100	16396	0	-50.2			0	75	258	5	100	16458	0	-52.2			0	86	258	8
150	13733	0	-49.9			0	76	269	6	150	13749	0	-50.0			0	66	267	6	150	13830	0	-51.0			0	85	259	13
200	11857	0	-51.7			0	55	276	6	200	11873	0	-51.7			0	46	270	6	200	11957	0	-51.2			0	82	262	16
300	9224	0	-45.4			0	27	279	4	300	9236	0	-45.0			0	29	273	4	300	9305	0	-43.5			0	71	259	13
500	5613	0	-18.1	13.3		0	37	268	3	500	5619	0	-17.7	12.3		0	23	266	2	500	5664	0	-16.1	13.1		0	72	257	8
700	3021	0	-2.6	12.2		0	22	261	2	700	3022	0	-2.0	9.3		0	21	219	2	700	3051	0	-1.3	9.6		0	60	251	5
850	1457	0	5.0	6.8		0	9	225	1	850	1453	0	6.0	8.4		0	23	199	2	850	1472	0	8.0	5.7		0	48	252	3
1004	* 84		11.9	3.1						1011	* 13		13.4	3.5						1011	* 14		16.9	4.3					
EUROPE - UNITED KINGDOM CAMBORNE 03808 AUG 1999 5013N 00519W OB 3									EUROPE - IRELAND VALENTIA OBSERVATORY 03953 AUG 1999 5156N 01015W OB 3									EUROPE - ICELAND KEFLAVIKURFLUGVOLLUR 04018 AUG 1999 6358N 02236W OB 3											
030	24261	1	-49.7			1	83	93	4	030	24290	2	-49.1	32.2		2	56	101	2	030	24307	3	-46.4			3	27	111	2
050	20938	0	-52.4			0	21	191	1	050	20956	1	-51.4	30.6		1	42	246	2	050	20923	1	-48.0			1	54	236	4
100	16472	0	-53.3			0	81	260	8	100	16464	1	-52.0	30.3		1	75	264	7	100	16361	0	-49.0			0	79	270	11
150	13856	0	-51.9			0	80	262	14	150	13833	1	-50.3	28.9		1	73	271	11	150	13705	0	-49.5			0	68	273	14
200	11986	0	-51.5			0	76	264	18	200	11956	1	-50.1	22.0		1	66	274	13	200	11826	0	-51.4			0	55	268	16
300	9325	0	-42.1			0	69	259	17	300	9290	0	-43.0	11.1		0	50	261	11	300	9187	0	-45.8			0	50	272	15
500	5669	0	-15.3	11.4		0	69	254	10	500	5648	0	-16.0	12.2		0	40	256	5	500	5590	0	-19.3	11.3		0	53	259	10
700	3046	0	.5	10.4		0	64	236	6	700	3031	0	.1	10.7		0	38	249	4	700	3007	0	-3.6	8.9		0	44	252	7
850	1465	0	8.0	4.8		0	54	229	5	850	1453	0	7.3	5.0		0	35	195	3	850	1449	0	3.8	4.6		0	35	221	5
1002	* 88		16.4	2.7						1008	* 14		16.1	3.1						1009	* 54		11.1	2.6					
EUROPE - GREENLAND AASIAAT (EGEDSMINDE) 04220 AUG 1999 6842N 05251W OB 3									EUROPE - GREENLAND NARSARUAQ 04270 AUG 1999 6109N 04526W OB 3									EUROPE - GREENLAND TASIILAQ (AMASSALIK) 04360 AUG 1999 6536N 03738W OB 3											
030	24276	0	-45.9	34.8		1	40	149	4	030	24293	0	-45.9	33.8		0	29	146	3	030	24279	0	-46.3	33.0		0	29	201	2
050	20881	0	-46.5	34.5		2	37	188	3	050	20898	0	-46.4	33.0		0	48	236	5	050	20896	0	-47.6	31.9		0	54	236	4
100	16287	0	-46.3	34.3		1	79	239	9	100	16304	0	-47.0	32.1		0	57	254	8	100	16328	0	-48.5	30.9		0	85	255	12
150	13593	0	-46.1	34.0		1	84	240	14	150	13622	0	-47.4	31.8		0	70	262	14	150	13664	0	-48.8	29.6		0	83	254	17
200	11678	0	-46.0	31.8		1	85	235	19	200	11720	0	-48.0	26.6		0	79	272	24	200	11780	0	-50.8	20.6		0	79	244	24
300	9017	0	-48.1	9.5		1	79	220	27	300	9069	0	-47.6	8.7		0	79	279	35	300	9150	0	-46.0	7.7		0	65	244	22
500	5467	0	-23.0	8.4		2	69	209	16	500	5509	0	-22.4	7.1		0	78	272	21	500	5553	0	-19.7	8.1		0	64	227	15
700	2925	0	-7.5	6.2		2	58	197	10	700	2974	0	-4.2	4.6		1	54	189	10	700	2979	0	-4.6	8.5		0	48	208	7
850	1389	0	1.2	4.6		0	44	180	6	850	1420	0	3.8	5.9		0	63	129	7	850	1428	0	2.8	8.7		0	15	139	2
1003	* 41		6.2	2.5						1009	* 4		9.8	4.7						1006	* 52		5.8	1.8					

UPPER AIR

AUGUST 1999

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 - DENMARK & FAROE IS. THORSHAVN 06011 AUG 1999 6201N 00646W OB 3									EUROPE - DENMARK & FAROE IS. KOBENHAVN/JAEGERSBORG 06181 AUG 1999 5546N 01232E OB 3									EUROPE - NETHERLANDS DE BILT 06260 AUG 1999 5206N 00511E OB 1								
030	24294	0	-47.1	32.3	1	27	51	2	030	24281	0	-48.9	32.3	0	48	111	4	030	24280		-49.1	32.2	9	70	108	4
050	20923	0	-48.4	32.0	1	59	239	4	050	20947	0	-50.7	31.7	0	45	230	4	050	20950	2	-51.9	31.4	4	43	224	2
100	16370	0	-49.3	31.7	0	79	267	10	100	16436	0	-50.9	31.2	0	87	255	16	100	16468	2	-52.7	30.8	2	88	263	9
150	13718	0	-49.9	30.3	0	68	273	12	150	13795	0	-50.2	30.8	0	87	262	20	150	13845	2	-51.5	30.5	2	88	264	14
200	11843	0	-52.4	18.6	0	55	278	14	200	11916	0	-50.9	22.9	0	81	262	22	200	11976	2	-52.0	21.4	2	83	265	18
300	9214	0	-45.4	9.1	0	31	283	10	300	9277	0	-44.8	8.9	0	59	261	15	300	9325	2	-43.0	10.2	2	79	263	16
500	5604	0	-18.4	11.1	0	31	280	7	500	5653	0	-16.9	12.4	0	56	255	9	500	5677	1	-15.9	12.7	1	78	260	9
700	3014	0	-2.8	9.8	1	20	269	4	700	3045	0	-1.1	10.2	0	47	250	7	700	3060	0	-1.1	8.7	0	69	253	6
850	1451	0	4.1	5.2	1	2	347	0	850	1469	0	8.0	6.2	0	33	215	5	850	1479	0	8.3	4.9	0	55	246	4
1007	* 55		10.4	2.1					1008	* 42		16.8	4.3					1013	* 15		17.5	4.8				
EUROPE - BELGIUM UCCLE 06447 AUG 1999 5048N 00421E OB 3									EUROPE - SWITZERLAND PAYERNE 06610 AUG 1999 4649N 00657E OB 3									EUROPE - GIBRALTAR GIBRALTAR 08495 AUG 1999 3609N 00520W OB 3								
030	24275	8	-49.4	33.9	8	71	112	6	030	24244	0	-50.5		2	91	105	10	030	24169	7	-53.3			98	94	13
050	20952	4	-52.4	31.9	4	20	261	1	050	20946	0	-54.2		1	38	140	3	050	20911	0	-58.7		1	91	97	8
100	16479	3	-53.0	30.7	3	91	267	17	100	16533	0	-56.5		0	91	262	19	100	16649	0	-67.3			86	249	9
150	13866	3	-51.9	28.3	3	91	263	31	150	13964	0	-55.7		0	92	264	39	150	14182	1	-62.1		1	90	261	17
200	12000	3	-52.3	18.7	3	89	267	39	200	12126	0	-54.5	8.9	0	90	265	49	200	12372	0	-53.5		1	83	260	16
300	9343	3	-41.8	10.6	3	89	267	39	300	9466	0	-39.4	9.7	0	87	263	42	300	9662	0	-34.9	17.9	0	74	254	13
500	5686	3	-15.6	12.5	3	81	257	20	500	5762	0	-12.3	10.2	0	87	259	28	500	5895	0	-7.7	19.0	0	85	238	12
700	3069	2	.3	10.4	2	76	244	12	700	3113	0	3.1	8.3	0	87	243	19	700	3184	0	11.3	22.3	0	80	229	9
850	1484	2	9.2	4.6	2	68	236	9	850	1510	0	12.9	6.1	0	62	227	8	850	1537	0	20.6	17.9	0	44	206	3
1002	* 104		16.1	3.5					958	* 491		18.5	4.4					1013	* 4		24.0	6.6				
EUROPE - GERMANY SCHLESWIG 10035 AUG 1999 5432N 00933E OB 3									EUROPE - GERMANY GREIFSWALD 10184 AUG 1999 5406N 01324E OB 3									EUROPE - GERMANY BERGEN 10238 AUG 1999 5249N 00956E OB								
030	24289	2	-48.8		2	36	99	2	030	24279	0	-49.3		2	63	116	3	030	24371	2	-49.5					
050	20954	2	-51.1		2	49	244	2	050	20950	0	-51.4		2	45	225	2	050	21021	1	-51.4					
100	16432	0	-51.4	30.8	1	88	258	8	100	16449	0	-52.0		2	90	256	9	100	16506	1	-52.0	12.3				
150	13816	0	-50.5	29.9	1	89	260	12	150	13818	0	-50.7		2	89	260	12	150	13882	0	-50.8	11.9				
200	11938	0	-51.0	22.2	1	85	261	14	200	11941	0	-51.2		2	85	267	14	200	11993	0	-51.2	10.9				
300	9292	0	-44.5	9.8	1	71	265	11	300	9295	0	-44.2		2	71	265	12	300	9337	0	-43.0	9.9				
500	5662	0	-16.8	13.7	1	72	258	7	500	5663	0	-16.7	14.5	1	70	267	7	500	5684	0	-16.2	12.2				
700	3052	0	-.6	11.7	1	63	253	5	700	3052	0	-.7	12.0	1	70	260	5	700	3064	0	-.2	10.2	7	50	257	4
850	1475	0	7.8	6.2	1	50	246	4	850	1475	0	8.0	5.5	1	65	248	5	850	1484	0	8.4	5.0	3	63	251	5
1008	* 48		16.9	4.6					1013	* 6		17.7	4.8					1006	* 69		17.1	6.5				

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
EUROPE - GERMANY LINDENBERG 10393 AUG 1999 5213N 01407E OB 3									EUROPE - GERMANY ESSEN 10410 AUG 1999 5124N 00658E OB 3									EUROPE - GERMANY DRESDEN 10486 AUG 1999 5107N 01341E OB 3								
030	24268	0	-49.7		0	64	108	3	030	24254	0	-49.6		1	76	109	3	030	24270	0	-49.8		0	67	114	3
050	20947	0	-52.0		0	45	194	2	050	20937	0	-52.6		1	41	216	2	050	20954	0	-52.5		0	37	208	1
100	16468	0	-52.8		0	89	262	9	100	16465	0	-53.1	31.0	0	90	262	10	100	16484	0	-53.5		0	90	263	10
150	13848	0	-51.8		0	92	262	15	150	13854	0	-52.2	29.6	0	92	263	16	150	13871	0	-52.6		0	91	266	17
200	11978	0	-51.7		0	89	265	19	200	11990	0	-52.4	20.8	0	86	265	20	200	12012	0	-52.4		0	89	268	21
300	9329	0	-43.0	11.3	0	83	263	19	300	9339	0	-42.8	10.6	0	81	261	18	300	9361	0	-42.2		0	85	266	21
500	5683	0	-16.1	14.1	0	77	264	10	500	5688	0	-15.5	13.6	0	82	260	11	500	5700	0	-15.3		0	84	265	11
700	3066	0	-.3	11.8	0	75	263	7	700	3067	0	.1	9.8	0	74	252	7	700	3078	0	.0	10.9	0	83	265	7
850	1488	0	8.6	5.2	0	65	255	5	850	1485	0	8.6	4.7	0	75	242	6	850	1497	0	9.3	5.9	0	70	260	5
1001	* 104		19.0	9.2					995	* 153		18.2	6.7					988	* 232		18.5	7.8				
EUROPE - GERMANY MEININGEN 10548 AUG 1999 5034N 01023E OB 3									EUROPE - GERMANY STUTTGART/SCHNARRENBERG 10739 AUG 1999 4850N 00912E OB 3									EUROPE - GERMANY MUENCHEN-OBERSCHLEISSHEIM 10868 AUG 1999 4815N 01133E OB 3								
030	24265	0	-49.8		0	77	110	3	030	24254	1	-50.1		3	78	105	4	030	24257	0	-50.2		0	86	109	4
050	20945	0	-52.8		0	35	207	1	050	20944	1	-53.5		2	27	165	1	050	20951	0	-53.8		0	33	153	1
100	16468	0	-53.9		0	93	264	10	100	16505	1	-55.1	30.6	2	91	264	10	100	16520	0	-56.0	29.6	0	91	262	11
150	13882	0	-52.7		0	93	263	18	150	13914	1	-54.1	29.8	2	92	266	19	150	13934	0	-54.4	27.5	0	93	266	19
200	12020	0	-52.9		0	90	267	22	200	12065	1	-54.3	17.2	2	91	269	25	200	12088	0	-54.0	15.5	0	91	271	25
300	9369	0	-41.8		0	81	266	21	300	9412	1	-40.7	11.4	2	85	268	22	300	9433	0	-40.3	10.2	0	87	268	22
500	5705	0	-15.0		0	83	259	13	500	5729	1	-13.9	16.6	2	89	265	14	500	5743	0	-13.4	12.0	0	88	266	14
700	3081	0	.0	8.7	0	82	256	8	700	3095	1	1.0	9.3	2	81	259	8	700	3104	0	1.6	7.3	0	88	260	9
850	1498	0	9.5	5.2	0	68	246	5	850	1506	1	10.8	5.7	2	62	251	4	850	1510	0	11.7	5.8	0	63	269	4
963	* 453		16.1	5.3					978	* 315		19.1	7.0					959	* 489		17.6	4.7				
EUROPE - AUSTRIA WIEN/HOHE WARTE 11035 AUG 1999 4814N 01621E OB 3									EUROPE - CZECH REPUBLIC PRAHA-LIBUS 11520 AUG 1999 5000N 01427E OB 3									EUROPE - SLOVAKIA POPRAD-GANOVCE 11952 AUG 1999 4902N 02019E OB 3								
030	24258	4	-50.2		4	32	127	1	030	24265	0	-49.8		0	63	99	3	030	24264	0	-50.2		1	78	111	4
050	20953	1	-53.6		1	45	146	1	050	20954	0	-52.6		0	33	175	1	050	20956	0	-53.4		0	51	161	2
100	16525	1	-55.5		1	88	265	5	100	16500	0	-54.3		0	88	263	11	100	16517	0	-55.1		0	87	260	11
150	13939	1	-54.1		1	90	269	9	150	13897	0	-53.0		0	91	267	18	150	13922	0	-53.5		0	89	268	17
200	12090	1	-54.1		1	88	274	12	200	12040	0	-52.8		0	90	270	23	200	12066	0	-52.7		0	86	270	21
300	9435	1	-40.2		1	84	274	10	300	9390	0	-41.5	8.9	0	83	267	21	300	9409	0	-40.8	9.9	0	80	274	19
500	5742	0	-13.0	12.2	0	87	273	7	500	5719	0	-14.3	15.2	0	81	268	12	500	5730	0	-13.8	14.2	0	80	274	11
700	3100	0	2.0	9.1	0	79	279	3	700	3091	0	.4	10.2	0	83	269	7	700	3097	0	1.3	8.4	0	69	268	5
850	1505	0	11.4	4.9	0	62	284	2	850	1506	0	10.2	4.9	0	51	253	3	850	1507	0	10.6	4.1	0	24	279	1
991	* 200		19.7	6.4					980	* 303		18.3	6.7					935	* 706		15.7	5.4				

UPPER AIR

AUGUST 1999

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 - POLAND LEBA 12120 AUG 1999 5445N 01732E OB 3									EUROPE - POLAND LEGIONOWO 12374 AUG 1999 5224N 02058E OB 3									EUROPE - POLAND WROCLAW I 12425 AUG 1999 5108N 01659E OB 3								
030	24279	0	-49.1	32.6	0	49	103	2	030	24283	0	-49.5	33.3	0	63	109	3	030	24224	2	-50.4		2	67	93	3
050	20949	0	-51.1	31.9	0	41	227	2	050	20960	0	-52.0	32.3	0	52	202	2	050	20914	1	-52.9		2	22	221	1
100	16447	0	-51.3	31.9	0	88	261	8	100	16480	0	-52.6	32.2	0	87	258	9	100	16457	1	-53.9		1	90	266	10
150	13811	0	-50.3	31.9	0	88	263	12	150	13858	0	-51.3	31.9	0	88	263	14	150	13847	0	-52.1		0	88	266	16
200	11932	0	-50.9	25.0	0	81	267	13	200	11986	0	-51.0	24.7	0	81	266	17	200	11982	0	-52.0		0	86	266	20
300	9289	0	-44.4	7.9	0	71	274	11	300	9335	0	-42.9	10.6	0	72	271	16	300	9336	0	-42.5	8.6	0	78	269	19
500	5662	0	-16.8	13.1	0	62	266	6	500	5686	0	-15.7	15.6	0	67	271	9	500	5686	0	-15.7	14.4	0	73	272	10
700	3052	0	-7	12.8	0	55	258	4	700	3071	0	-8	10.4	0	66	268	5	700	3071	0	-8	11.1	1	72	269	5
850	1476	0	8.5	5.9	0	41	262	3	850	1492	0	9.2	5.0	0	56	264	4	850	1494	0	8.9	4.6	0	60	252	4
1013	* 2		14.0	1.3					1003	* 96		18.7	8.0					1000	* 116		14.0	4.0				
EUROPE - HUNGARY BUDAPEST/LORINC 12843 AUG 1999 4726N 01911E OB 3									EUROPE - HUNGARY SZEGED 12982 AUG 1999 4615N 02006E OB									EUROPE - CROATIA ZAGREB/MAKSIMIR 14240 AUG 1999 4549N 01602E OB 3								
030	24264	5	-50.8		5	84	101	4	030	24254	4	-51.3		4	90	96	5	030	24234	0	-50.7		0	85	91	5
050	20958	4	-54.4		5	55	154	2	050	20966	3	-54.8		3	41	145	2	050	20942	0	-54.8		0	54	121	2
100	16543	4	-56.5		5	89	262	11	100	16562	1	-57.1		1	88	266	11	100	16548	0	-58.0		0	89	261	11
150	13963	4	-54.7		4	89	270	18	150	13989	0	-55.0		0	88	269	19	150	13986	0	-56.1		0	90	271	19
200	12114	1	-53.8		1	86	273	21	200	12142	0	-53.3		0	84	274	21	200	12147	0	-54.3		0	89	276	22
300	9450	0	-39.9	10.5	0	83	277	19	300	9474	0	-39.4	11.4	1	84	279	17	300	9485	0	-39.3		0	87	275	18
500	5751	0	-12.7	13.7	1	86	276	12	500	5769	0	-12.1	13.0	1	85	275	13	500	5777	0	-11.9	11.4	0	84	272	12
700	3103	0	2.7	10.1	1	77	274	6	700	3114	0	3.3	10.3	1	80	274	8	700	3120	0	3.8	7.8	0	73	278	7
850	1506	0	11.6	5.9	1	48	269	2	850	1511	0	12.8	7.3	0	59	270	4	850	1515	0	12.6	5.1	0	36	266	3
998	* 139		20.6	7.3					1005	* 83		16.7	1.4					1000	* 128		21.2	6.4				
EUROPE - ROMANIA CLUJ-NAPOCA 15120 AUG 1999 4647N 02334E OB 1									EUROPE - ROMANIA BUCURESTI/IMH 15420 AUG 1999 4430N 02608E OB 1									EUROPE - ROMANIA CONSTANTA 15480 AUG 1999 4413N 02838E OB 1								
030									030									030								
050									050	20961	3	-56.2		3	68	125	3	050	20926	6	-56.5		8	60	140	3
100	16529	4	-57.1		5	90	259	11	100	16591	1	-58.4		1	90	255	12	100	16570	4	-59.3		4	90	245	12
150	13957	4	-55.3		5	89	266	18	150	14035	0	-56.0		0	89	260	18	150	14021	2	-55.8		2	90	255	18
200	12112	3	-53.3		3	82	271	19	200	12189	0	-52.1		1	85	270	18	200	12169	2	-50.7		2	80	260	17
300	9447	2	-40.0	11.1	3	78	275	16	300	9512	0	-39.5	11.8	1	73	275	13	300	9483	1	-39.3		2	70	275	10
500	5751	2	-12.6	14.5	4	86	270	12	500	5805	0	-11.7	16.6	0	80	275	9	500	5778	1	-11.6	17.3	1	80	280	8
700	3103	2	2.8	8.4	4	85	264	7	700	3147	0	3.8	7.9	0	81	290	6	700	3121	0	4.0	8.5	1	60	310	3
850	1503	2	12.5	4.5	4	67	249	6	850	1537	0	13.9	4.9	0	18	290	1	850	1512	0	13.6	6.3	0	50	15	3
966	* 413		16.1	1.0					1004	* 91		19.0	2.3					1012	* 14		21.6	2.3				

UPPER AIR

AUGUST 1999

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 - BULGARIA SOFIA (OBSERV.) 15614 AUG 1999 4239N 02323E OB 0									EUROPE - ITALY MILANO/LINATE 16080 AUG 1999 4526N 00917E OB 3									EUROPE - ITALY PRATICA DI MARE 16245 AUG 1999 4139N 01226E OB 3								
030									030	24234	0	-51.0	32.0	0	91	111	6	030	24206	1	-52.0	32.9	2	94	101	7
050	20995	28	-56.2	10.2	9	33	132	1	050	20946	0	-55.1	30.9	0	51	137	2	050	20938	0	-56.8	31.2	1	76	117	4
100	16659	23	-58.9	9.2	9	85	253	10	100	16552	0	-58.2	28.4	0	92	263	11	100	16603	0	-61.5	28.6	1	86	265	10
150	14083	14	-54.9	9.0	9	84	270	14	150	13997	0	-56.5	25.1	0	93	268	20	150	14088	0	-58.9	26.3	0	92	270	19
200	12228	10	-51.7	9.1	9	81	285	17	200	12164	0	-54.6	14.9	0	89	269	24	200	12262	0	-53.7	19.3	0	92	276	22
300	9549	3	-37.9	10.4	3	76	286	12	300	9498	0	-38.7	11.2	0	86	269	20	300	9574	0	-37.4	16.0	1	88	277	17
500	5818	1	-10.3	12.9	1	81	284	9	500	5783	0	-11.3	12.5	0	86	266	14	500	5841	0	-10.0	17.2	0	91	280	15
700	3146	1	5.3	8.6	1	73	274	5	700	3120	0	4.8	7.4	0	77	251	6	700	3158	0	7.9	14.5	0	87	278	9
850	1527	0	17.2	9.4	0	43	342	1	850	1507	0	14.0	4.7	0	46	213	2	850	1526	0	18.1	13.0	0	62	250	4
947	* 595		27.4	15.1					1001	* 103		23.9	7.2					1009	* 32		25.5	7.7				
EUROPE - ITALY TRAPANI/BIRGI 16429 AUG 1999 3755N 01230E OB 3									EUROPE - ITALY CAGLIARI/ELMAS 16560 AUG 1999 3915N 00904E OB /									EUROPE - GREECE HERAKLION (AIRPORT) 16754 AUG 1999 3520N 02511E OB /								
030									030	24185	13	-52.4	33.1	9	98	97	9	030								
050									050	20926	12	-57.6	31.5	9	87	109	5	050								
100									100	16632	12	-65.0	28.8	9	88	268	11	100	16686	2	-69.0	18.9	2	88	250	10
150	14186	0	-59.6	26.2	1	89	263	19	150	14148	12	-61.2	27.6	9	92	274	20	150	14225	2	-60.4	22.9	3	89	250	20
200	12357	0	-52.3	24.0	0	89	275	19	200	12332	12	-53.8	23.1	9	91	274	20	200	12386	2	-49.1	27.5	3	88	250	21
300	9647	0	-35.6	19.6	0	90	281	16	300	9633	12	-36.3	20.3	9	93	277	18	300	9631	2	-33.3	28.0	2	77	280	12
500	5893	0	-9.1	17.4	0	88	291	13	500	5887	12	-8.9	20.7	9	89	277	14	500	5853	2	-6.9	24.1	3	74	320	8
700	3194	0	10.5	17.3	0	88	291	10	700	3187	12	10.4	22.8	9	85	274	11	700	3143	1	10.4	23.2	2	79	340	7
850	1544	0	22.0	21.1	0	69	279	5	850	1540	12	21.5	21.7	9	80	276	5	850	1503	1	18.8	15.5	1	93	350	9
1013	* 14		27.2	4.4					1013	* 5		29.5	11.6					1006	* 39		25.0	8.6				
EUROPE - TURKEY SAMSUN 17030 AUG 1999 4117N 03618E OB 3									EUROPE - TURKEY ISTANBUL/GOZTEPE 17062 AUG 1999 4058N 02905E OB 3									EUROPE - TURKEY ANKARA/CENTRAL 17130 AUG 1999 3957N 03253E OB 3								
030	24245	10	-52.9		9	99	85	5	030	24218	5	-53.1		5	90	90	9	030	24210	5	-53.4		5	80	115	8
050	20993	10	-58.7		9	80	130	2	050	20962	4	-58.1		5	67	130	4	050	20966	5	-59.1		5	64	185	7
100	16697	4	-63.4		4	94	235	8	100	16650	2	-62.7		2	92	240	12	100	16676	2	-64.3		2	93	235	14
150	14142	1	-56.9		1	92	240	11	150	14103	1	-56.7		1	91	250	22	150	14135	2	-57.1		2	95	240	22
200	12281	1	-48.1		1	96	240	13	200	12248	2	-49.7		2	86	250	20	200	12274	1	-48.3		1	92	245	24
300	9561	1	-35.6		1	88	240	8	300	9533	1	-37.3		1	69	265	11	300	9552	0	-35.7		0	72	255	13
500	5818	0	-9.2	17.5	0	78	240	4	500	5808	0	-9.6	13.7	0	60	285	6	500	5804	0	-8.7	9.4	0	70	270	7
700	3133	0	7.8	11.1	0	50	235	1	700	3131	0	6.9	10.9	3	50	335	3	700	3122	0	7.3	8.1	0	67	285	2
850	1510	0	15.0	4.5	0	33	335	1	850	1508	0	16.5	10.2	6	99	35	7	850	1492	0	17.8	8.4	0	50	75	2
1012	* 4		22.2	5.0					1008	* 33		22.4	2.1					912	* 891		19.9	8.6				

UPPER AIR

AUGUST 1999

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 - TURKEY IZMIR/GUZELYALT 17220 AUG 1999 3826N 02710E OB 3									EUROPE - TURKEY ISPARTA 17240 AUG 1999 3745N 03033E OB 3									EUROPE - TURKEY DIYARBAKIR 17280 AUG 1999 3753N 04012E OB 3								
030	24206	5	-53.0		6	90	90	9	030	24193	14	-53.3		9	92	82	12	030	24198	9	-53.5		9	92	85	11
050	20954	3	-59.2		5	86	106	6	050	20957	8	-59.8		9	78	115	7	050	20971	7	-60.2		7	62	110	5
100	16673	2	-65.5		4	93	242	13	100	16697	5	-66.5		5	93	215	14	100	16734	3	-69.1		3	86	215	12
150	14141	2	-57.9		3	92	249	23	150	14174	3	-58.1		4	96	220	22	150	14248	2	-59.9		2	85	225	18
200	12293	2	-49.0		2	88	252	24	200	12318	2	-48.0		4	96	225	23	200	12401	1	-47.7		1	91	230	21
300	9574	0	-35.6		0	75	273	12	300	9585	1	-33.9		2	76	235	16	300	9626	0	-30.8		0	95	230	20
500	5826	0	-8.4	17.5	0	67	296	6	500	5821	1	-8.0	14.6	3	67	240	8	500	5834	0	-7.3	20.5	0	80	215	8
700	3129	0	9.0	16.4	0	40	328	2	700	3128	1	8.8	9.5	7	50	225	3	700	3116	0	11.8	16.5	0	57	190	4
850	1494	0	19.0	12.3	0	60	10	3	850	1492	1	19.7	10.3	9	67	175	2	850	1459	0	25.8	19.9	0	25	255	1
1006	* 29		25.8	9.2					900	* 997		18.4	5.9					932	* 677		25.1	18.2				
EUROPE - CYPRUS ATHALASSA 17607 AUG 1999 3509N 03324E OB 2									EUROPE - RUSSIAN FEDERATION (EUROPE) MURMANSK 22113 AUG 1999 6859N 03307E OB 3									EUROPE - RUSSIAN FEDERATION (EUROPE) ARHANGEL'SK 22550 AUG 1999 6437N 04030E OB 3								
030									030	24261	12	-47.3		9	46	67	1	030	24323	11	-47.3		9	18	101	0
050	20913	15	-68.3						050	20896	10	-47.5		9	47	237	1	050	20941	7	-48.3		7	71	270	2
100	16720	3	-71.1		5	88	231	11	100	16303	10	-46.4		9	70	296	4	100	16366	3	-47.5	11.3	3	79	267	6
150	14278	2	-58.3		2	95	240	20	150	13612	10	-46.4		9	72	291	6	150	13687	3	-47.3	9.3	3	75	266	8
200	12435	0	-48.1		2	99	238	24	200	11702	10	-46.7		9	60	290	7	200	11785	2	-48.3	6.8	2	68	270	9
300	9656	0	-30.2		0	97	245	18	300	9034	10	-47.8	10.9	9	34	270	7	300	9145	0	-46.4	4.6	0	53	278	10
500	5856	0	-6.4	30.0	0	60	252	5	500	5491	10	-23.0	11.3	9	51	266	7	500	5554	0	-19.8	7.0	0	56	280	6
700	3142	0	10.6	16.0	0	20	296	1	700	2948	10	-7.4	7.2	9	69	269	6	700	2973	0	-3.9	5.4	1	54	284	4
850	1493	0	21.0	9.0	0	16	333	1	850	1415	10	.5	3.5	9	76	267	5	850	1416	0	3.7	2.9	0	48	294	3
988	* 161		35.5	18.0					996	* 121		8.8	3.8					1009	* 4		9.0	1.3				
EUROPE - RUSSIAN FEDERATION (EUROPE) ST. PETERBURG (VOEJKOVO) 26063 AUG 1999 5957N 03042E OB 3									EUROPE - RUSSIAN FEDERATION (EUROPE) KAZAN' 27595 AUG 1999 5536N 04917E OB 3									EUROPE - RUSSIAN FEDERATION (EUROPE) MOSKVA (DOLGOPRUDNYJ) 27612 AUG 1999 5545N 03757E OB 0								
030	24309	1	-48.7		1	36	108	1	030	24359	15	-50.0		9	46	68	1	030	24292	6	-50.1	12.3	6	50	113	2
050	20961	0	-49.5		0	73	253	3	050	21029	13	-52.3		9	78	262	3	050	20968	2	-51.4	11.5	3	73	259	3
100	16419	0	-49.0		0	88	257	8	100	16532	7	-52.1		7	94	263	13	100	16468	1	-51.1	10.0	1	93	255	11
150	13756	0	-48.5		0	86	260	10	150	13900	7	-50.5		7	94	259	20	150	13828	1	-50.0	8.5	1	90	255	16
200	11863	0	-49.3	17.2	0	80	262	11	200	12015	5	-50.9	12.2	6	91	257	23	200	11947	1	-50.3	6.2	1	86	260	19
300	9222	0	-45.7	8.3	0	65	259	10	300	9346	2	-40.7	8.3	2	78	261	18	300	9289	1	-42.3	5.4	1	78	260	16
500	5617	0	-18.5	9.7	0	73	267	6	500	5673	2	-14.7	9.4	2	81	266	13	500	5637	1	-15.8	9.1	1	77	290	9
700	3025	0	-2.6	8.3	0	62	279	4	700	3047	2	.6	8.6	2	75	269	8	700	3024	1	-.7	8.0	1	52	282	5
850	1459	0	6.3	4.1	0	49	278	3	850	1463	2	8.3	4.0	2	50	298	4	850	1451	1	8.0	4.2	1	32	291	3
1003	* 78		15.3	5.9					997	* 116		13.9	2.4					988	* 200		13.7	3.4				

UPPER AIR

AUGUST 1999

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				
EUROPE - RUSSIAN FEDERATION (EUROPE) ROSTOV-NA-DONU 34731 AUG 1999 4715N 03949E OB 3									EUROPE - GEORGIA TBILISI 37549 AUG 1999 4141N 04457E OB 3									EUROPE - ISRAEL BET-DAGAN 40179 AUG 1999 3200N 03449E OB 3												
030	24222	26	-51.5		9	87	68	4	030	24296	16	-52.0		9	99	79	9	030												
050	20978	23	-60.4		9	30	88	1	050	21052	13	-58.2		9	92	91	5	050												
100	16618	20	-56.9		9	92	240	14	100	16731	9	-64.5		9	95	243	12	100	16754	0	-73.5		1	83	187	8				
150	14039	20	-54.2		9	90	238	20	150	14237	9	-58.0		8	97	251	21	150	14325	0	-61.5		0	92	217	13				
200	12227	20	-50.4		9	89	237	22	200	12406	6	-48.0	1.1	6	96	252	23	200	12490	0	-48.5	11.9	0	94	222	15				
300	9485	20	-39.1	9.5	9	84	232	18	300	9636	6	-32.0	13.1	5	95	244	17	300	9707	0	-28.6	15.0	0	95	228	15				
500	5771	20	-10.8	12.6	9	74	238	10	500	5851	5	-8.9	9.8	4	84	234	9	500	5875	0	-5.3	18.6	0	87	224	9				
700	3108	20	4.8	8.9	9	63	247	5	700	3156	4	8.8	6.8	4	74	152	4	700	3148	0	12.2	17.7	0	81	214	8				
850	1502	21	14.6	7.2	9	13	184	1	850	1516	4	19.2	9.0	4	38	106	3	850	1492	0	21.5	15.7	0	63	272	3				
1004	* 78		18.5	4.8					958	* 490		23.4	6.9					1004	* 35		28.1	7.2								
ASIA - RUSSIAN FEDERATION (IN ASIA) OSTROV DIKSON 20674 AUG 1999 7330N 08024E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) OSTROV KOTEL'NYJ 21432 AUG 1999 7600N 13752E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) TURUHANSK 23472 AUG 1999 6547N 08756E OB 3												
030	24342	12	-45.3		9	71	117	2	030									030	24364	8	-46.0	15.7	8	56	76	2				
050	20952	9	-45.9		9	39	137	1	050	20992	21	-47.2		9	74	108	2	050	20986	7	-47.1	14.6	6	37	308	1				
100	16333	8	-45.0		8	11	155	0	100	16402	14	-46.7		9	22	217	1	100	16376	3	-45.5	13.5	3	47	273	3				
150	13622	8	-44.9		8	13	107	1	150	13703	13	-46.0		9	29	219	2	150	13671	2	-44.6	11.6	2	56	272	5				
200	11702	8	-46.5		8	20	56	2	200	11803	9	-47.8		9	29	231	3	200	11745	0	-45.3	9.0	0	51	271	6				
300	9030	8	-45.9	10.0	8	26	71	4	300	9135	6	-44.8		6	23	251	3	300	9066	0	-46.5	5.2	0	33	275	6				
500	5472	8	-22.8	9.1	8	21	53	2	500	5551	5	-19.0	9.1	5	20	195	2	500	5496	0	-21.8	7.2	0	37	261	4				
700	2924	7	-6.7	7.7	7	10	4	1	700	2970	5	-4.7	6.5	5	26	154	2	700	2938	1	-6.4	5.8	0	39	266	3				
850	1384	7	.5	3.9	8	16	360	1	850	1423	5	2.2	4.4	5	27	127	2	850	1396	1	1.8	2.6	0	35	265	2				
1003	* 47		5.2	1.9					1011	* 9		2.6	1.7					1003	* 38		8.6	2.7								
ASIA - RUSSIAN FEDERATION (IN ASIA) SYKTYVKAR 23804 AUG 1999 6140N 05051E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) HANTY-MANSIJSK 23933 AUG 1999 6101N 06902E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) JAKUTSK 24959 AUG 1999 6201N 12943E OB 0												
030	24347	12	-47.1		9	66	56	2	030									030	24337	16	-46.9	14.3	9	70	91	2				
050	20981	11	-48.5		9	77	267	2	050									050	20962	14	-48.3	13.3	9	51	261	2				
100	16419	11	-48.0		9	93	266	10	100	16407	28	-47.6		9	78	296	7	100	16409	14	-47.8	12.7	9	89	255	10				
150	13740	10	-47.4		9	91	267	14	150	13723	28	-47.4		9	68	290	9	150	13735	14	-46.6	10.8	9	91	257	15				
200	11835	10	-47.2		9	86	265	15	200	11805	25	-44.8		9	73	273	16	200	11825	14	-47.0	8.3	9	89	258	19				
300	9182	9	-45.8		8	74	260	15	300	9161	23	-45.5		9	81	273	18	300	9155	13	-43.1	5.5	9	85	255	21				
500	5587	5	-18.5	8.1	5	70	263	9	500	5527	18	-20.4	5.2	9	79	273	13	500	5530	13	-17.5	9.8	9	80	257	11				
700	2994	4	-3.0	5.3	4	51	258	5	700	2955	17	-4.6	4.7	9	83	282	8	700	2930	14	-2.1	9.0	9	69	263	7				
850	1432	4	5.2	3.0	4	31	259	3	850	1410	16	4.0	3.0	9	63	299	6	850	1375	13	6.4	4.6	9	38	265	3				
995	* 116		10.5	1.6					1004	* 46		10.9	1.8					990	* 101		14.0	5.2								

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
ASIA - RUSSIAN FEDERATION (IN ASIA) VERHNEE DUBROVO 28445 AUG 1999 5644N 06104E OB 0									ASIA - RUSSIAN FEDERATION (IN ASIA) OMSK 28698 AUG 1999 5456N 07324E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) KOLPASEVO 29231 AUG 1999 5819N 08254E OB 3								
030	24353	8	-48.5	13.1	8	64	35	2	030	24404	8	-48.9	12.5	9	43	31	2	030	24440	24	-46.0	16.3	9	89	75	4
050	21003	3	-50.7	12.1	4	77	286	4	050	21068	7	-50.8	11.3	8	82	293	5	050	21073	23	-47.4	15.0	9	48	352	1
100	16486	2	-50.2	10.2	2	91	279	12	100	16555	5	-51.4	9.6	5	91	276	13	100	16507	22	-47.9	14.7	9	93	298	6
150	13845	1	-50.1	8.7	2	92	278	19	150	13911	4	-49.7	8.1	4	91	277	18	150	13830	22	-46.7	12.2	9	93	299	9
200	11968	1	-50.7	6.4	1	91	278	23	200	12032	1	-50.7	6.5	3	88	282	20	200	11923	22	-47.5	8.9	9	83	303	11
300	9310	1	-42.5	5.7	1	86	273	21	300	9355	1	-41.0	6.3	0	84	285	18	300	9249	22	-43.4	6.4	9	71	310	11
500	5658	0	-16.1	9.0	1	85	272	14	500	5683	0	-14.6	8.4	0	86	285	13	500	5610	22	-17.5	9.6	9	79	302	10
700	3039	0	-.8	8.2	1	70	268	8	700	3059	0	.7	7.8	0	84	282	10	700	3018	22	-3.2	2.4	9	83	294	8
850	1465	0	7.0	3.8	2	52	274	4	850	1476	2	10.1	6.9	0	56	284	5	850	1451	22	6.9	3.6	9	80	285	8
979	* 290		11.2	1.3					1002	* 90		12.9	3.9					1003	* 75		12.4	1.5				
ASIA - RUSSIAN FEDERATION (IN ASIA) EMEL'JANOVO 29572 AUG 1999 5611N 09237E OB 0									ASIA - RUSSIAN FEDERATION (IN ASIA) KIRENSK 30230 AUG 1999 5746N 10804E OB 0									ASIA - RUSSIAN FEDERATION (IN ASIA) CHITA 30758 AUG 1999 5205N 11329E OB 0								
030	24314	15	-49.0	14.5	9	66	53	3	030	24405	12	-47.5	16.9	9	82	103	3	030	24305	13	-49.1		9	84	103	3
050	20996	13	-51.3	13.6	9	53	301	2	050	21041	12	-49.4	14.9	9	31	206	1	050	20987	7	-52.3		9	12	245	0
100	16503	12	-51.5	11.9	9	89	280	11	100	16441	11	-48.6	12.6	9	69	263	8	100	16516	4	-53.2		4	81	271	10
150	13868	12	-50.7	9.9	9	87	277	17	150	13822	11	-47.6	10.3	9	76	268	13	150	13901	3	-50.4		3	76	270	15
200	11987	11	-51.6	7.4	9	86	277	21	200	11920	9	-49.2	7.2	9	76	266	16	200	12014	3	-49.0		3	71	273	17
300	9330	11	-41.6	7.8	9	81	279	20	300	9250	8	-42.6	6.0	8	76	265	17	300	9335	1	-40.2	7.4	1	53	266	13
500	5665	12	-15.0	11.6	9	89	274	13	500	5608	7	-16.7	10.5	7	84	277	9	500	5657	0	-13.9	9.5	0	53	269	7
700	3039	11	.9	9.8	9	89	273	8	700	3001	6	-2.1	5.3	6	60	280	5	700	3024	0	.9	5.7	0	46	267	4
850	1454	11	9.2	8.8	9	54	281	4	850	1432	6	7.0	4.9	6	36	274	2	850	1434	0	9.7	5.4	0	26	243	1
986	* 206		9.6	1.2					979	* 259		9.5	1.8					932	* 671		11.3	3.0				
ASIA - RUSSIAN FEDERATION (IN ASIA) HABAROVSK 31736 AUG 1999 4832N 13514E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) VLADIVOSTOK (SAD GOROD) 31977 AUG 1999 4316N 13203E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) JUZHNO-SAHALINSK 32150 AUG 1999 4657N 14243E OB 1								
030									030	24286	18	-50.8	11.0	9	95	94	6	030								
050									050	21001	15	-56.6	8.9	9	43	109	2	050								
100	16677	21	-59.7	8.6	9	96	262	20	100	16708	14	-63.5	7.8	9	85	253	11	100	16622	14	-61.2	7.1	9	93	269	17
150	14081	8	-55.4	6.5	9	93	260	28	150	14203	14	-58.0	7.6	9	78	249	18	150	14158	5	-57.5	6.4	7	93	266	28
200	12224	4	-49.7	6.2	6	92	258	30	200	12355	13	-50.0	7.2	9	87	246	25	200	12314	4	-50.6	5.9	4	92	265	31
300	9487	3	-35.3	5.9	4	93	258	25	300	9596	10	-32.1	8.5	9	91	244	20	300	9563	3	-32.6	7.2	2	93	263	27
500	5739	2	-10.4	9.3	2	88	255	13	500	5803	10	-7.5	11.6	9	87	244	11	500	5782	1	-8.4	11.0	1	94	266	17
700	3074	1	4.5	8.0	1	76	257	7	700	3110	9	7.0	7.8	9	83	255	6	700	3093	1	6.5	11.1	1	90	271	10
850	1468	1	12.4	4.9	1	41	248	3	850	1489	9	14.5	5.6	9	50	287	3	850	1477	1	13.3	6.1	1	69	265	6
1002	* 72		17.5	3.1					1002	* 82		20.3	2.9					1010	* 24		16.8	1.5				

UPPER AIR

AUGUST 1999

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 - RUSSIAN FEDERATION (IN ASIA) PETROPAVLOVSK- KAMCATSKIJ 32540 AUG 1999 5305N 15835E OB 3									ASIA - RUSSIAN FEDERATION (IN ASIA) ORENBURG 35121 AUG 1999 5141N 05506E OB 3									ASIA - SAUDI ARABIA HAFR AL-BATIN 40373 AUG 1999 2820N 04607E OB																																																																																																																																																																																																																																																																				
030	24245	16	-50.0	11.6	9	67	87	3	030	24326	14	-50.8	13.5	9	25	30	1	030	24072	16	-54.7	31.1					050	20931	13	-52.6	10.7	9	63	293	3	050	21032	12	-53.7	11.6	9	94	255	4	050	20856	11	-62.5	28.5					100	16478	12	-53.5	9.2	9	83	280	14	100	16608	13	-55.5	9.6	9	96	262	16	100	16753	11	-76.5	15.3					150	13874	10	-51.9	7.8	9	82	275	26	150	14019	13	-53.0	8.9	9	97	264	27	150	14352	11	-63.3	18.1					200	12006	9	-49.0	6.3	9	83	269	31	200	12150	13	-50.1	7.3	9	97	261	30	200	12528	10	-48.9	24.9					300	9288	8	-38.9	5.7	8	80	276	26	300	9455	10	-38.7	7.4	9	91	260	21	300	9741	10	-27.9	31.2					500	5610	8	-15.2	8.5	8	80	279	15	500	5749	10	-12.6	9.4	9	92	259	15	500	5883	10	-5.1	21.6					700	3000	8	-1.5	9.1	8	71	290	8	700	3095	10	4.0	12.7	9	80	253	8	700	3154	10	15.0	18.3					850	1431	8	5.7	4.1	8	67	289	5	850	1490	11	13.7	10.8	9	39	256	3	850	1466	10	30.7	29.8					1001	* 84		11.1	3.9					996	* 117		27.3	19.4					960	* 358		37.2	33.0													
ASIA - SAUDI ARABIA TABUK 40375 AUG 1999 2822N 03636E OB 3									ASIA - SAUDI ARABIA HAIL 40394 AUG 1999 2726N 04141E OB 3									ASIA - SAUDI ARABIA MADINAH 40430 AUG 1999 2433N 03942E OB 3																																																																																																																																																																																																																																																																				
030	24059	4	-54.7	32.4	4	97	93	17	030	24051	6	-54.9	32.4	6	99	90	20	030	24009	1	-55.4	32.0					050	20851	4	-62.8	29.6	4	93	93	14	050	20847	5	-63.1	29.0	5	98	94	17	050	20808	0	-63.4	29.2					100	16748	4	-76.1	17.2	4	84	120	10	100	16753	5	-76.9	16.4	5	93	108	14	100	16716	0	-78.1	17.6					150	14342	4	-63.0	21.0	5	69	156	6	150	14355	5	-63.3	19.5	5	83	127	8	150	14331	0	-64.2	21.3					200	12514	4	-49.0	26.3	5	67	176	5	200	12528	5	-49.3	22.9	5	61	146	5	200	12512	0	-50.0	24.4					300	9731	4	-28.7	32.0	5	67	202	6	300	9745	5	-28.3	31.9	5	47	183	3	300	9737	0	-28.8	29.6					500	5891	4	-5.3	31.2	5	62	220	5	500	5899	5	-6.8	20.5	5	21	216	2	500	5901	0	-7.3	13.2					700	3162	4	13.8	16.9	4	77	199	6	700	3173	5	15.5	20.3	5	28	81	2	700	3171	0	15.6	20.2					850	1488	4	27.4	24.4	4	41	322	3	850	1483	5	31.3	30.9	5	55	13	3	850	1483	0	30.5	30.5					922	* 768		32.5	26.9					897	*1013		34.8	29.2					934	* 636		38.3	34.1													
ASIA - SAUDI ARABIA KING KHALED INT. AIRPORT 40437 AUG 1999 2456N 04643E OB 3									ASIA - IRAN, ISLAMIC REPUBLIC OF MASHHAD 40745 AUG 1999 3616N 05938E OB 3									ASIA - IRAN, ISLAMIC REPUBLIC OF KERMAN 40841 AUG 1999 3015N 05658E OB 3																																																																																																																																																																																																																																																																				
030	24012	4	-55.6	31.1	4	98	89	20	030	24146	1	-53.7	32.5					030	24026	14	-53.5						050	20814	4	-63.7	28.2	4	97	94	17	050	20926	0	-61.7	30.4					050	20800	15	-61.1						100	16726	4	-78.0	15.1	4	95	96	18	100	16765	0	-71.6	26.7					100	16777	8	-75.0						150	14339	4	-64.0	16.9	4	90	104	13	150	14319	0	-60.3	29.6					150	14286	6	-64.3						200	12515	4	-49.7	19.7	4	87	110	9	200	12473	0	-47.3	34.3					200	12485	5	-49.9						300	9738	4	-28.2	24.9	4	56	105	4	300	9675	0	-27.9	40.0					300	9709	3	-28.0						500	5884	4	-7.0	16.6	5	49	324	4	500	5846	0	-5.2	33.1					500	5862	5	-5.5						700	3156	4	15.7	20.2	4	69	346	5	700	3133	0	10.9	16.8					700	3156	4	15.7	20.2	4	69	346	5	700	3132	3	14.8	22.8					850	1463	4	31.7	30.7	4	53	9	4	850	1480	0	23.4	23.8					850	1483	0	23.4	23.8					934	* 612		37.3	38.4					899	* 980		21.2	14.8					822	*1754		16.6	18.7				

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
ASIA - SAUDI ARABIA JEDDAH (KING ABDUL AZIZ INT.) 41024 AUG 1999 2142N 03911E OB 3									ASIA - KUWAIT KUWAIT INTERNATIONAL AIRPORT 40582 AUG 1999 2913N 04759E OB 3									ASIA - UNITED ARAB EMIRATES ABU DHABI INTER. AIRPORT 41217 AUG 1999 2426N 05439E OB 3								
030	23984	5	-55.8	31.9	6	98	93	19	030	24076	11	-54.4	32.6	9	98	89	17	030	24030	23	-55.8		9	99	88	22
050	20788	5	-63.0	29.3	5	97	93	19	050	20865	0	-62.7	29.9	3	97	92	14	050	20808	2	-63.2		1	98	92	18
100	16693	5	-78.9	14.8	5	98	101	23	100	16770	0	-76.8	23.1	2	88	103	10	100	16730	0	-78.9		0	96	94	20
150	14316	5	-64.9	16.9	6	95	104	16	150	14372	0	-63.0	27.5	1	55	145	4	150	14349	0	-64.0		0	88	100	13
200	12503	5	-50.7	19.6	5	88	104	10	200	12542	0	-48.6	31.7	1	45	174	3	200	12526	0	-49.2	20.7	0	87	95	10
300	9736	5	-29.2	23.0	5	88	100	7	300	9752	0	-27.6	39.4	1	38	252	2	300	9739	0	-27.5	22.5	0	87	81	7
500	5902	5	-7.8	8.4	5	19	154	2	500	5896	0	-5.1	30.0	1	39	91	3	500	5882	0	-6.2	12.5	0	35	76	2
700	3172	5	15.3	18.5	5	37	315	3	700	3163	0	15.8	22.1	1	52	327	3	700	3148	0	15.8	18.5	0	26	172	1
850	1491	5	28.2	26.9	5	93	327	9	850	1473	0	31.2	29.5	1	77	332	6	850	1458	0	30.7	25.5	0	31	211	2
1002	* 17		34.1	10.5					993	* 55		39.9	29.9					995	* 27		38.5	16.5				
ASIA - OMAN SEEB, INTERNATIONAL AIRPORT 41256 AUG 1999 2335N 05817E OB 1									ASIA - OMAN SALALAH 41316 AUG 1999 1702N 05405E OB 3									ASIA - BANGLADESH DHAKA 41923 AUG 1999 2346N 09023E OB /								
030	24018	15	-51.7	32.2					030									030								
050	20819	9	-65.8	29.8					050									050								
100	16736	3	-79.3	18.6					100	16628	27	-80.3	13.7	9	99	92	37	100	16688	1	-78.8		9	96	78	23
150	14355	3	-63.9	20.5					150	14267	26	-65.7	15.0	9	99	98	32	150	14324	0	-65.6		9	95	73	19
200	12532	3	-48.1	25.6					200	12461	26	-51.2	19.6	9	0	98	22	200	12509	0	-49.8		9	95	41	16
300	9744	3	-27.3	25.3					300	9699	26	-29.0	21.7	9	97	79	11	300	9720	0	-26.8	8.6	9	95	95	10
500	5890	2	-6.0	15.2					500	5867	26	-5.7	15.9	9	40	39	2	500	5847	0	-3.1	3.6	9	81	140	6
700	3158	0	15.9						700	3138	25	15.6	19.1	9	90	30	3	700	3101	0	11.5	3.1	9	60	154	4
850	1467	0	30.1	25.6					850	1455	25	24.6	15.3	9	98	223	9	850	1448	0	19.1	2.1	9	55	167	4
990	* 8		30.1						1002	* 20		23.7	1.0					1002	* 9		27.0	1.6				
ASIA - BANGLADESH CHITTAGONG (AMBAGAN) 41977 AUG 1999 2221N 09149E OB /									ASIA - INDIA SRINAGAR 42027 AUG 1999 3405N 07450E OB 3									ASIA - INDIA NEW DELHI/SAFDARJUNG 42182 AUG 1999 2835N 07712E OB 3								
030									030	24321	8	-50.3						030	24179	4	-52.1					
050									050	21036	5	-58.1						050	20965	1	-61.2					
100	16678	28	-78.5		9	97	75	27	100	16830	2	-70.3						100	16839		-77.0		4	48	88	6
150	14285	28	-65.2		9	96	54	26	150	14394	0	-59.5						150	14441		-62.9			26	101	3
200	12430	27	-50.5	7.9	9	65	78	13	200	12540	0	-45.7	7.4	9	85	255	16	200	12604		-46.9			23	163	3
300	9665	27	-28.1	9.4	9	92	109	10	300	9716	0	-25.9	8.6	9	84	260	12	300	9776		-24.9	11.0		32	188	3
500	5810	26	-4.1	2.6	9	85	159	7	500	5849	0	-3.5	8.0	9	49	235	3	500	5865		-1.3	10.3		37	320	2
700	3089	26	11.4	1.4	9	95	170	9	700	3090	0	14.2	8.0	5	52	325	2	700	3100		13.0	5.3		54	317	4
850	1454	26	18.6	.9	9	89	174	5	834	*1587		22.8	6.6					850	1434		23.0	4.7		89	288	4
1001	* 34		26.2	1.0														969	* 216		30.4	7.3				

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND				
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
																											hPa	gpm
ASIA - INDIA JODHPUR 42339 AUG 1999 2618N 07301E OB 3									ASIA - INDIA LUCKNOW/AMAUSI 42369 AUG 1999 2645N 08053E OB 3									ASIA - INDIA GAUHATI 42410 AUG 1999 2606N 09135E OB 3										
030	24368	9	-53.3						030	24182	3	-52.5			3	98	90	22	030	24092	4	-55.5			4	74	82	17
050	21013	9	-59.9						050	20941	2	-60.1			2	96	89	17	050	20875	4	-62.3			4	95	81	17
100	16873	9	-75.5						100	16798		-77.5				92	96	12	100	16768	1	-78.2			1	82	66	13
150	14471	5	-60.9		9	39	180	5	150	14407		-63.3				80	261	8	150	14379		-63.7				69	57	9
200	12614	3	-45.7	12.0	9	42	161	5	200	12573		-47.3				77	109	7	200	12547		-47.5	6.4			62	72	6
300	9783	3	-23.9	9.2	9	20	172	2	300	9750		-24.5	9.8			46	107	3	300	9741		-25.1	8.1			41	84	2
500	5884	1	1.0	13.9	9	21	359	1	500	5842		-1.5	11.4			40	53	2	500	5846		-2.2	4.4			45	138	2
700	3119	0	15.4	5.4	9	31	35	1	700	3085		12.6	6.2			38	3	2	700	3095		11.5	2.6			47	164	2
850	1446	0	22.8	7.2	2	97	228	7	850	1424		21.4	5.4			31	5	2	850	1440		20.2	3.0			25	191	1
976	* 224		29.6	7.8					985	* 128		29.0	3.0						996	* 54		27.7	2.0					
ASIA - INDIA PATNA 42492 AUG 1999 2536N 08506E OB 3									ASIA - INDIA AHMADABAD 42647 AUG 1999 2304N 07238E OB 3									ASIA - INDIA CALCUTTA/DUM DUM 42809 AUG 1999 2239N 08827E OB 3										
030									030									030	24050	5	-55.3			5	98	87	26	
050									050									050	20868	1	-61.3			1	96	88	24	
100	16853	9	-76.6						100	16797	11	-77.4						100	16757	1	-78.7			1	97	81	22	
150	14438	4	-61.8						150	14415	7	-63.3						150	14374	0	-63.9			0	93	75	18	
200	12595	1	-46.0	6.5					200	12586	6	-47.0			7	97	97	15	200	12562	0	-47.8			0	96	86	14
300	9760	0	-24.1	7.5					300	9766	6	-25.6			7	85	87	8	300	9734	0	-25.4	8.5		0	88	102	8
500	5831	0	-.9	7.6	6	46	73	3	500	5867	5	-2.1	8.0		6	61	26	3	500	5840	0	-1.9	7.9	0	46	137	3	
700	3090	0	12.8	5.9	1	37	108	2	700	3109	4	13.7	14.6		5	47	332	3	700	3086	0	12.5	5.1	0	36	189	2	
850	1430	0	21.1	5.0	0	34	113	2	850	1451	4	19.8	3.5	4	86	240	6	850	1427	0	20.6	4.5	0	53	190	4		
994	* 60		28.2	2.1					997	* 55		28.7	4.9					999	* 6		28.2	3.0						
ASIA - INDIA NAGPUR SONEGAON 42867 AUG 1999 2106N 07903E OB 3									ASIA - INDIA BHUBANESWAR 42971 AUG 1999 2015N 08550E OB 3									ASIA - INDIA BOMBAY/SANTACRUZ 43003 AUG 1999 1907N 07251E OB 3										
030	24120	9	-54.0						030	24032	7	-54.8						030										
050	20887	9	-60.7						050	20907	4	-63.1						050	21179	9	-56.7			9	98	96	19	
100	16753	2	-77.5						100	16829	2	-77.4			6	31	90	23	100	16971	3	-72.1			3	99	93	28
150	14353	0	-63.8						150	14336	0	-64.3			4	96	77	23	150	14503	1	-58.5			1	98	95	27
200	12526	0	-48.1						200	12554	0	-48.6			4	97	84	15	200	12631	1	-44.6	4.6		1	99	95	19
300	9720	0	-26.1	9.0					300	9744	0	-25.3	7.9		4	82	95	7	300	9785	0	-23.5	8.9	0	93	84	8	
500	5840	0	-2.6	6.9	6	44	359	3	500	5849	0	-1.9	7.4	2	4	210	1	500	5887	0	-.1	7.6	0	99	1	3		
700	3098	0	10.9	3.5	1	78	319	5	700	3079	0	12.8	4.2	1	60	273	4	700	3130	0	12.9	7.8	0	84	289	6		
850	1443	0	19.9	3.8	0	93	307	9	850	1438	0	20.1	1.7	0	70	279	5	850	1475	0	19.6	1.2	0	99	261	9		
968	* 310		26.3	3.4					996	* 46		27.3	1.2					1004	* 14		27.7	3.4						

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
ASIA - INDIA HYDERABAD AIRPORT 43128 AUG 1999 1727N 07828E OB 3									ASIA - INDIA CWC VISHAKHAPATNAM/WALTAIR 43150 AUG 1999 1742N 08318E OB 3									ASIA - INDIA GOA/PANJIM 43192 AUG 1999 1529N 07349E OB 3								
030									030	24023	10	-55.0		9	99	92	24	030								
050	20771	8	-61.5		9	98	85	16	050	20806	1	-61.1		9	99	88	18	050	20672	11	-61.7		9	92	94	15
100	16610	7	-77.5		7	99	85	28	100	16642	0	-78.4		9	99	87	27	100	16549	4	-78.6		5	99	93	26
150	14247	6	-66.3		6	99	83	28	150	14270	0	-64.8		9	99	83	27	150	14215	2	-68.3		4	99	92	31
200	12445	5	-51.0	6.3	5	97	85	20	200	12453	0	-49.8	7.2	9	97	91	17	200	12425	2	-52.9		2	99	92	21
300	9676	4	-28.6	8.9	4	85	78	7	300	9668	0	-27.8	8.7	9	87	97	8	300	9666	0	-30.0	8.4	0	94	87	9
500	5825	4	-4.0	7.6	5	70	289	4	500	5806	0	-3.6	6.4	4	34	276	2	500	5831	0	-5.1	7.5	0	62	318	3
700	3097	4	9.6	4.5	5	95	284	9	700	3071	0	10.8	5.2	0	86	279	6	700	3113	0	9.8	7.8	0	92	290	8
850	1452	4	18.7	4.3	4	97	283	12	850	1421	0	20.1	5.9	0	89	277	7	850	1475	0	17.8	3.6	0	97	286	10
944	* 545		25.5	4.0					994	* 66		27.8	3.5					1000	* 60		26.6	1.9				
ASIA - INDIA MANGALORE/PANAMBUR 43285 AUG 1999 1257N 07450E OB 3									ASIA - INDIA PORT BLAIR 43333 AUG 1999 1140N 09243E OB 3									ASIA - INDIA COCHIN/WILLINGDON 43353 AUG 1999 0957N 07616E OB 3								
030	23931	10	-55.5						030	23957	5	-55.6		5	98	83	15	030								
050	20782	7	-61.3						050	20727	1	-62.0		1	96	82	11	050								
100	16644	5	-75.5						100	16563	1	-76.2		1	98	80	27	100	16575	1	-75.7					
150	14244	3	-66.0						150	14213	1	-68.0		1	98	73	31	150	14206	0	-67.7					
200	12444	1	-51.5						200	12421	1	-53.3		1	96	68	22	200	12409	0	-53.3					
300	9679	1	-29.7	8.1					300	9670	1	-30.7	5.4	1	88	76	13	300	9670	0	-31.1	8.8				
500	5838	0	-5.1	8.4					500	5839	1	-5.6	6.7	1	41	247	3	500	5846	0	-5.2	8.7				
700	3126	0	9.2	5.2	9	91	290	8	700	3120	0	9.5	7.1	0	87	254	8	700	3128	0	9.4	6.4				
850	1490	0	16.9	2.2	2	94	294	9	850	1483	0	18.0	3.0	0	96	247	11	850	1491	0	17.1	3.0				
1005	* 31		25.9	2.2					999	* 79		26.5	2.5					1008	* 3		26.9	3.1				
ASIA - INDIA MINICOY 43369 AUG 1999 0818N 07309E OB 3									ASIA - INDIA THIRUVANANTHAPURAM 43371 AUG 1999 0829N 07657E OB 3									ASIA - HONG KONG, CHINA KING'S PARK 45004 AUG 1999 2219N 11410E OB 1								
030	23764		-57.9						030	23972	3	-57.4		9	90	95	8	030	23986	5	-55.0	29.3	5	99	96	22
050	20583		-63.3						050	20747	0	-62.2		2	92	88	8	050	20780	1	-62.7	26.3	1	98	87	19
100	16445		-75.3						100	16565	0	-75.0		0	99	94	22	100	16659	0	-76.9	13.0	0	95	69	15
150	14098	1	-70.2						150	14214	0	-67.5		0	99	86	35	150	14292	0	-66.1	12.6	0	54	60	6
200	12325	1	-55.9		1	98	96	23	200	12422	0	-53.0		0	98	89	27	200	12485	0	-50.8	11.1	0	51	59	5
300	9611		-33.5	8.2		93	105	10	300	9677	0	-30.8	10.1	0	95	107	10	300	9709	0	-28.1	12.0	0	41	56	3
500	5826		-7.7	9.4		19	8	1	500	5849	0	-5.1	11.4	0	29	264	1	500	5852	0	-4.1	8.3	1	39	239	3
700	3128		8.2	9.1		74	298	6	700	3128	0	10.2	7.9	0	91	290	7	700	3121	0	11.0	6.4	0	47	204	4
850	1497		17.0	5.2		96	306	10	850	1488	0	17.8	3.7	0	99	309	11	850	1472	0	19.1	3.5	0	45	211	4
1009	* 2		28.1	3.4					1002	* 64		26.6	3.1					998	* 66		26.9	2.3				

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
ASIA - REPUBLIC OF KOREA OSAN AB 47122 AUG 1999 3706N 12702E OB 3									ASIA - REPUBLIC OF KOREA POHANG 47138 AUG 1999 3602N 12923E OB 3									ASIA - REPUBLIC OF KOREA KWANGJU AB 47158 AUG 1999 3507N 12649E OB 3								
030	24220	3	-51.4	16.4	3	0	94	11	030	24203	0	-52.4	19.9	0	97	80	11	030	24242	2	-51.6	18.1	3	95	81	9
050	20960	3	-58.9	12.4	3	94	86	8	050	20950	0	-59.5	14.8	0	93	77	8	050	20980	1	-58.7	13.6	2	93	81	7
100	16706	0	-67.3	9.0	0	26	223	3	100	16711	0	-68.7	10.6	0	11	258	1	100	16732	1	-68.1	9.6	2	27	248	2
150	14234	0	-62.2	9.4	0	70	243	13	150	14262	0	-63.0	11.5	0	64	253	10	150	14277	0	-62.9	10.1	0	75	253	12
200	12407	0	-50.8	10.0	0	77	236	19	200	12448	0	-50.9	12.8	0	71	247	12	200	12448	0	-50.4	10.7	0	77	243	15
300	9650	0	-30.1	9.1	0	72	231	14	300	9682	0	-29.7	12.2	0	71	240	10	300	9684	0	-29.0	12.1	0	77	240	12
500	5825	0	-5.5	11.3	0	57	219	6	500	5844	0	-4.8	9.5	0	58	234	7	500	5845	0	-4.6	12.0	0	70	232	8
700	3109	0	8.8	9.1	0	40	191	3	700	3121	0	9.5	7.3	0	46	212	5	700	3122	0	9.6	7.7	0	50	203	5
850	1475	0	16.7	4.0	0	38	135	3	850	1483	0	16.7	1.9	0	24	155	2	850	1484	0	16.9	2.8	0	40	158	3
1001	* 52		24.4	4.0					1008	* 6		23.9	2.4					1007	* 13		25.1	3.5				
ASIA - REPUBLIC OF KOREA CHEJU UPPER/RADAR 47185 AUG 1999 3317N 12610E OB 3									ASIA - JAPAN WAKKANAI 47401 AUG 1999 4525N 14141E OB 2									ASIA - JAPAN SAPPORO 47412 AUG 1999 4303N 14120E OB 2								
030	24215	7	-53.1	16.6	9	0	88	13	030	24248	0	-50.8		0	87	85	5	030	24239	2	-51.4		2	93	86	7
050	20935	4	-59.1	12.5	4	0	85	11	050	20970	0	-56.9		0	29	31	1	050	20969	1	-57.8		2	58	73	3
100	16715	3	-69.9	8.4	4	20	116	2	100	16658	0	-64.3		0	88	272	13	100	16689	0	-66.3		3	78	277	9
150	14280	1	-63.6	9.0	1	62	256	8	150	14162	0	-59.8		0	88	265	22	150	14218	0	-61.7		2	85	267	17
200	12461	0	-50.6	10.2	0	71	245	12	200	12334	0	-51.5		0	91	262	28	200	12398	0	-51.4		2	89	265	22
300	9690	0	-28.5	11.6	0	73	234	10	300	9599	0	-32.6	7.2	0	89	262	22	300	9653	0	-31.5	9.8	2	85	257	16
500	5842	0	-4.0	9.0	0	55	224	6	500	5808	0	-7.3	10.9	0	93	257	15	500	5844	0	-5.8	13.3	0	91	250	12
700	3112	0	10.1	4.4	0	52	214	6	700	3111	0	7.4	13.0	0	92	258	10	700	3136	0	8.4	9.6	0	84	249	6
850	1470	0	17.8	2.5	0	58	184	6	850	1488	0	15.2	6.1	0	85	251	7	850	1504	0	16.3	3.4	0	78	218	6
998	* 73		23.9	1.6					1010	* 11		20.2	1.9					1009	* 26		24.1	3.1				
ASIA - JAPAN NEMURO 47420 AUG 1999 4320N 14535E OB 2									ASIA - JAPAN AKITA 47582 AUG 1999 3943N 14006E OB 2									ASIA - JAPAN WAJIMA 47600 AUG 1999 3723N 13654E OB 2								
030	24237	1	-51.2		1	92	83	6	030	24212	3	-52.1		4	98	80	9	030	24191	2	-52.4		2	97	84	10
050	20964	1	-57.6		1	60	66	3	050	20950	1	-59.2		2	89	82	6	050	20940	2	-59.7		2	96	82	7
100	16683	0	-66.2		0	78	283	10	100	16706	0	-68.9		0	33	272	3	100	16717	1	-69.0		1	2	0	0
150	14212	0	-61.8		0	84	274	18	150	14261	0	-63.2		0	60	265	10	150	14279	1	-63.6		1	45	249	7
200	12393	0	-51.7		0	85	272	22	200	12448	0	-51.7		0	69	259	14	200	12468	1	-51.6		1	66	252	11
300	9652	0	-31.8	9.4	0	84	268	17	300	9694	0	-30.4	8.3	0	75	250	11	300	9709	1	-29.7	8.1	1	59	234	8
500	5846	0	-6.3	12.0	0	88	262	12	500	5867	0	-5.1	11.7	0	76	229	8	500	5869	1	-4.5	8.0	1	60	223	8
700	3138	0	8.4	10.3	0	82	262	8	700	3148	0	9.5	7.5	0	69	220	6	700	3146	1	9.6	5.3	1	61	213	6
850	1509	0	15.9	4.6	0	67	246	5	850	1509	0	18.3	3.7	0	53	196	3	850	1505	1	18.3	3.8	1	55	211	4
1009	* 39		19.2	1.4					1010	* 7		27.0	5.2					1008	* 14		25.3	1.8				

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
ASIA - JAPAN TATENO 47646 AUG 1999 3603N 14008E OB 2									ASIA - JAPAN HACHIJOJIMA/OMURE 47678 AUG 1999 3307N 13947E OB 2									ASIA - JAPAN YONAGO 47744 AUG 1999 3526N 13321E OB 2								
030	24187	3	-52.6		3	98	85	11	030	24142	1	-53.5		1	99	85	14	030	24170	1	-53.0		1	99	84	12
050	20937	2	-59.3		2	97	84	9	050	20906	0	-60.3		1	98	84	10	050	20926	0	-59.8		0	98	86	9
100	16717	0	-70.3		0	40	70	3	100	16704	0	-70.8		0	77	81	7	100	16711	0	-69.9		0	24	108	2
150	14290	0	-64.7		0	20	265	2	150	14284	0	-64.7		0	22	72	2	150	14278	0	-64.1		0	53	262	6
200	12484	0	-51.9		0	28	268	4	200	12480	0	-52.1		0	9	104	1	200	12468	0	-51.3		0	60	259	8
300	9726	0	-29.8	10.3	0	35	217	4	300	9726	0	-30.0	11.2	0	20	135	2	300	9704	0	-29.4	7.8	0	69	241	8
500	5890	0	-4.9	9.5	0	54	207	6	500	5893	0	-4.8	10.0	0	54	180	5	500	5862	0	-4.7	6.6	0	55	218	7
700	3163	0	10.2	5.4	0	58	208	6	700	3166	0	10.7	7.2	0	46	198	4	700	3138	0	10.0	5.7	0	52	214	5
850	1519	0	18.7	4.3	0	65	183	4	850	1519	0	19.3	6.3	0	38	189	3	850	1495	0	18.1	3.3	0	57	198	6
1008	* 31		26.1	3.3					994	* 153		25.7	2.0					1008	* 8		26.9	4.1				
ASIA - JAPAN SHIONOMISAKI 47778 AUG 1999 3327N 13546E OB 2									ASIA - JAPAN FUKUOKA 47807 AUG 1999 3335N 13023E OB 2									ASIA - JAPAN KAGOSHIMA 47827 AUG 1999 3133N 13033E OB 2								
030	24150	2	-53.1		2	99	83	12	030	24149	1	-53.3		2	99	82	13	030	24122	3	-53.7		3	99	85	15
050	20912	0	-60.3		1	98	86	10	050	20911	1	-60.3		1	99	87	10	050	20890	1	-60.7		2	98	87	11
100	16708	0	-70.9		0	69	79	5	100	16709	0	-70.7		0	36	81	3	100	16703	0	-71.6		0	75	70	5
150	14287	0	-64.6		0	16	345	2	150	14286	0	-64.5		0	57	267	6	150	14294	0	-65.4		0	39	319	4
200	12480	0	-51.6		0	18	317	2	200	12476	0	-51.1		0	68	262	9	200	12487	0	-51.1		0	53	300	6
300	9720	0	-29.5	8.3	0	20	221	2	300	9708	0	-28.9	6.2	1	63	252	7	300	9717	0	-28.6	8.5	0	38	255	3
500	5881	0	-4.6	7.0	0	51	203	5	500	5860	0	-4.4	6.9	1	61	222	6	500	5865	0	-4.3	5.7	0	51	205	4
700	3154	0	10.3	5.6	0	47	191	5	700	3131	0	10.3	4.7	1	60	217	6	700	3136	0	10.5	4.9	0	51	200	5
850	1511	0	18.2	2.7	0	32	172	3	850	1487	0	18.3	3.5	2	68	208	6	850	1492	0	18.1	2.2	0	40	190	4
1003	* 75		26.5	2.7					1006	* 15		27.4	5.0					1005	* 31		27.4	3.8				
ASIA - JAPAN NAZE/FUNCHATOGE 47909 AUG 1999 2823N 12933E OB 2									ASIA - JAPAN ISHIGAKIJIMA 47918 AUG 1999 2420N 12410E OB 2									ASIA - JAPAN NAHA 47936 AUG 1999 2612N 12741E OB 2								
030	24075	5	-54.0		5	99	85	18	030	24028	5	-54.7		5	99	85	20	030	24046	3	-54.3		3	99	85	20
050	20855	3	-61.0		4	99	88	13	050	20814	2	-61.7		4	99	90	16	050	20832	2	-61.7		2	99	88	15
100	16685	0	-73.2		0	92	71	8	100	16666	0	-76.2		0	97	74	12	100	16673	0	-74.6		0	96	72	10
150	14293	0	-65.8		0	64	11	7	150	14295	0	-66.1		0	68	61	8	150	14292	0	-66.1		0	76	38	8
200	12487	0	-51.2		0	56	9	5	200	12489	0	-50.9		0	58	59	6	200	12486	0	-51.1		0	68	32	7
300	9717	0	-28.6	6.6	0	20	351	1	300	9717	0	-28.5	7.8	0	39	58	3	300	9717	0	-28.7	7.2	0	48	15	3
500	5866	0	-4.2	5.9	0	43	221	3	500	5867	0	-4.5	5.8	0	40	180	2	500	5867	0	-4.3	6.5	0	45	259	3
700	3136	0	10.5	5.6	0	43	205	4	700	3139	0	10.7	5.6	0	47	214	3	700	3138	0	10.9	6.8	0	51	241	4
850	1491	0	18.6	3.2	0	44	200	4	850	1491	0	19.1	4.1	0	62	192	5	850	1491	0	18.7	3.5	0	44	227	4
975	* 295		24.8	1.6					1007	* 7		28.9	4.2					1005	* 27		28.0	3.2				

UPPER AIR

AUGUST 1999

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	%	°
ASIA - JAPAN MINAMIDAITOJIMA 47945 AUG 1999 2550N 13114E OB 2								ASIA - JAPAN CHICHIJIMA 47971 AUG 1999 2705N 14211E OB 3								ASIA - THAILAND CHIANG MAI 48327 AUG 1999 1847N 09859E OB 1																
030	24039	2	-55.2		2	99	85	20	030	24057	3	-54.4		3	99	86	19	030	24025	9	-52.0											
050	20830	0	-62.1		0	99	86	16	050	20841	3	-61.4		3	99	86	14	050	20787	8	-61.0		9	99	90	18						
100	16665	0	-74.2		0	95	71	10	100	16656	0	-72.0		0	94	79	10	100	16632	0	-78.2		3	98	75	21						
150	14280	0	-66.0		0	72	39	10	150	14251	0	-66.3		0	36	60	5	150	14273	0	-66.8		2	96	75	19						
200	12477	0	-51.6		0	60	35	7	200	12457	0	-53.1		0	29	55	4	200	12471	0	-51.4		0	92	70	14						
300	9714	0	-29.3	5.9	0	21	33	2	300	9714	0	-30.9	8.8	0	37	90	3	300	9700	0	-28.4	3.9	0	86	75	8						
500	5875	0	-4.8	5.0	0	27	197	2	500	5891	0	-5.2	7.9	0	51	123	4	500	5844	0	-4.2	1.6	1	24	335	1						
700	3148	0	10.7	6.2	0	36	219	3	700	3169	0	10.5	6.7	0	31	146	3	700	3112	0	10.5	2.8	1	66	260	5						
850	1502	0	18.6	3.0	0	39	186	3	850	1524	0	18.3	5.3	0	35	150	3	850	1466	0	18.5	2.5	1	77	260	4						
1007	* 20		27.0	2.6					1012	* 8		26.9	3.0					970	* 314		24.2	1.7										
ASIA - THAILAND UBON RATCHATHANI 48407 AUG 1999 1515N 10452E OB 1								ASIA - THAILAND BANGKOK 48455 AUG 1999 1344N 10034E OB 1								ASIA - THAILAND SONGKHLA 48568 AUG 1999 0712N 10036E OB 1																
030					4	98	90	18	030	20704	9	-62.3			96	100	13	030														
050	20989				3	99	80	15	050	16595	4	-80.4		4	97	90	23	050	16529	2	-74.6		2	97	80	20						
100	16753				0	98	75	23	100	14221	3	-67.9		3	95	85	24	100	14182	1	-68.6		1	99	75	27						
150	14239	0	-67.8		0	99	65	16	150	12429	2	-53.0		2	95	85	16	150	12401	0	-54.5		1	98	75	18						
200	12447	0	-52.7		0	64	65	5	200	9679	1	-30.5	7.0	1	86	85	9	200	9669	0	-31.4	4.5	0	76	75	8						
300	9692	0	-29.8	5.1	0	27	215	2	300	5851	0	-5.5	4.3	0	18	325	1	300	5852	0	-5.9	4.4	0	10	320	1						
500	5856	0	-5.2	3.7	0	69	255	5	500	3132	0	9.6	3.8	0	76	290	6	500	3139	0	9.0	5.9	0	87	230	6						
700	3134	0	9.4	2.9	0	85	260	7	700	1492	0	18.0	3.1	0	89	280	8	700	1501	0	17.9	4.9	0	95	270	7						
850	1493	0	18.3	3.2	0				850	* 20		25.9	2.0					850	* 5		25.2	2.3										
995	* 127		25.1	1.2														1008	* 5		25.2	2.3										
ASIA - CHINA HAILAR 50527 AUG 1999 4913N 11945E OB 3								ASIA - CHINA LANZHOU 52889 AUG 1999 3603N 10353E OB 3								ASIA - CHINA BEIJING 54511 AUG 1999 3956N 11617E OB 3																
030	24300	7	-50.5		8	60	105	3	030	24160	4	-55.2		9	0	86	12	030	24182	4	-54.0		4	0	86	9						
050	20999	5	-54.0		6	25	229	1	050	20947	2	-62.2		6	88	76	7	050	20955	1	-60.5		1	60	81	3						
100	16582	3	-55.5	7.3	3	92	269	12	100	16778	1	-68.2		2	60	333	6	100	16697	1	-64.7	7.6	1	64	282	7						
150	13987	1	-51.8	7.5	1	87	266	20	150	14302	1	-58.9	8.0	2	80	306	16	150	14188	1	-57.4	8.2	1	61	284	11						
200	12113	1	-49.7	7.2	1	81	262	22	200	12451	1	-47.9	8.4	1	76	298	16	200	12337	1	-49.5	8.2	1	65	279	13						
300	9413	0	-38.7	7.3	0	71	260	17	300	9678	0	-29.8	8.5	0	75	289	9	300	9588	0	-33.0	8.8	0	56	280	9						
500	5707	0	-12.1	9.9	0	57	272	8	500	5843	0	-4.8	8.7	0	50	294	3	500	5797	0	-7.6	10.9	0	75	294	6						
700	3057	0	2.9	7.3	0	50	270	5	700	3115	0	11.0	6.3	0	25		6	1	700	3101	0	7.5	8.4	0	50	297	3					
850	1456	0	12.6	6.2	0	43	261	3	845	*1518		18.3	6.2					850	1472	0	16.5	6.7	0	33	237	2						
940	* 611		14.4	3.4														1004	* 55		23.4	4.2										

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
ASIA - CHINA LHASA 55591 AUG 1999 2940N 09108E OB 3									ASIA - CHINA KUNMING 56778 AUG 1999 2501N 10241E OB 3									ASIA - CHINA SHANGHAI 58362 AUG 1999 3124N 12128E OB 3								
030	24098	8	-56.8		8	94	88	17	030	24100	4	-54.0		9	95	89	21	030	24141	2	-52.3		3	94	94	16
050	20910	6	-63.9		6	0	83	13	050	20882	2	-62.6		6	0	81	17	050	20902	1	-60.4		1	0	86	13
100	16813	6	-74.8		6	67	54	8	100	16767	1	-75.6		1	94	59	17	100	16715	0	-71.2		0	43	63	3
150	14393	1	-62.1	6.5	1	43	337	6	150	14362	0	-63.5	5.2	0	73	22	11	150	14288	0	-63.5	6.4	0	54	255	7
200	12553	1	-47.4	6.1	1	45	313	5	200	12536	0	-49.2	5.7	0	69	14	9	200	12467	0	-50.2	6.6	0	64	248	9
300	9743	1	-25.5	6.0	1	43	273	3	300	9745	0	-27.0	6.1	0	50	40	4	300	9696	0	-28.9	7.0	0	64	246	7
500	5849	0	-1.8	2.0	0	80	222	4	500	5868	0	-2.8	2.9	0	0	112	0	500	5847	0	-4.1	6.3	0	63	248	5
654	*3650		10.7	2.8					700	3124	0	11.1	2.3	0	50	200	2	700	3116	0	10.2	5.0	0	71	250	5
									809	*1892		17.7	2.1					850	1472	0	18.3	3.2	0	60	255	3
																		1006	* 4		26.5	2.5				
AFRICA - CAPE VERDE SAL ISLAND 08594 AUG 1999 1644N 02257W OB 2									AFRICA - MALI BAMAKO/SENOU 61291 AUG 1999 1232N 00757W OB 2									AFRICA - MAURITANIA NOUADHIBOU 61415 AUG 1999 2056N 01702W OB /								
030									030									030								
050	20736	4	-63.0		8	93	80	26	050									050	20765	9	-62.9					
100	16574	0	-77.2		0	98	90	25	100	16581	7	-76.4						100	16628	6	-75.0					
150	14217	0	-68.1		0	99	95	27	150	14224	2	-68.4						150	14267	5	-66.9					
200	12432	0	-53.8		0	94	100	21	200	12439	1	-53.5						200	12471	5	-52.3					
300	9694	0	-31.1	13.7	0	85	90	13	300	9698	0	-31.2	9.1					300	9723	5	-31.2	19.4				
500	5883	0	-6.7	12.1	0	88	85	17	500	5880	0	-6.2	4.6					500	5917	5	-7.6	10.0				
700	3174	0	10.6	9.8	0	84	75	22	700	3167	0	8.9	3.9					700	3206	5	12.2	13.2				
850	1524	0	19.8	9.3	0	73	70	12	850	1529	0	17.8	3.2					850	1542	5	24.6	20.0				
1007	* 57		27.0	6.2					970	* 381		24.7	2.1					9999	* 3		24.9	4.2				
AFRICA - SENEGAL DAKAR/YOFF 61641 AUG 1999 1444N 01730W OB 3									AFRICA - EGYPT MERSA MATRUH 62306 AUG 1999 3120N 02713E OB 3									AFRICA - EGYPT ASSWAN 62414 AUG 1999 2358N 03247E OB 3								
030									030									030	24101	6	-53.4		9	96	90	20
050									050	20962	23	-59.5		9	93	99	11	050	20873	5	-60.6		9	95	100	18
100	16590	5	-76.6	14.4					100	16787	8	-71.6		9	89	201	8	100	16709	0	-77.0		0	97	115	18
150	14229	1	-68.4	12.0					150	14349	2	-60.8		2	91	235	14	150	14321	0	-64.5		0	91	130	12
200	12446	1	-53.7	11.4					200	12481	1	-48.4		1	94	243	15	200	12505	0	-50.2	19.6	0	86	155	9
300	9704	0	-30.7	11.6					300	9702	1	-29.3		1	83	260	12	300	9734	0	-29.4	20.3	0	60	180	5
500	5883	0	-6.2	7.3					500	5881	1	-5.2	30.8	1	70	309	5	500	5906	0	-5.4	21.7	0	86	225	5
700	3169	0	10.3	6.7					700	3158	0	11.3	25.2	0	68	334	5	700	3175	0	13.6	16.0	0	74	225	6
850	1523	0	18.6	5.6					850	1510	0	20.1	17.4	0	82	334	6	850	1503	0	26.2	27.9	0	75	305	4
1009	* 24		28.0	5.2					1007	* 29		27.2	7.1					985	* 194		29.9	23.2				

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
AFRICA - SUDAN KHARTOUM 62721 AUG 1999 1536N 03233E OB 3									AFRICA - SEYCHELLES SEYCHELLES INT. AIRPORT 63985 AUG 1999 0440S 05532E OB 3									AFRICA - CAMEROON DOUALA R.S. 64910 AUG 1999 0401N 00942E OB /								
030									030	23867	3	-57.7	30.7	4	96	272	16	030								
050	20715	17	-63.7		9	83	95	15	050	20685	0	-63.0	29.1	0	98	270	17	050	20656	1	-72.0		9		120	11
100	16570	7	-77.9		9	96	110	25	100	16535	0	-74.3	15.1	0	31	129	2	100								
150	14232	6	-67.0		9	99	85	26	150	14144	0	-69.4	10.8	0	98	65	28	150	14160	16	-65.7		9		130	15
200	12432	4	-52.7		9	97	90	18	200	12375	0	-55.6	9.7	0	92	66	13	200	12443	16	-60.8		9		90	24
300	9683	4	-30.4	15.8	9	91	75	12	300	9656	0	-32.7	11.6	0	41	110	3	300	9674	15	-32.2	6.2	9		100	12
500	5864	4	-7.3	6.1	9	94	95	9	500	5851	0	-6.3	18.9	1	40	177	2	500	5866	11	-6.7	2.7	9		200	7
700	3147	4	11.4	9.7	9	86	70	7	700	3144	0	8.8	9.2	1	33	153	2	700	3162	10	8.6	4.0	9		220	8
850	1491	4	22.0	9.7	9	67	215	6	850	1511	0	16.0	3.5	0	86	130	8	850	1524	10	16.3	2.1	9		310	7
964	* 380		34.0	16.1					1012	* 4		26.5	4.5					1012	* 15		26.8	2.7				
AFRICA - MADAGASCAR ANTANANARIVO/IVATO 67083 AUG 1999 1848S 04729E OB 1									AFRICA - SOUTH AFRICA IRENE 68263 AUG 1999 2555S 02813E OB 3									AFRICA - SOUTH AFRICA UPINGTON 68424 AUG 1999 2825S 02116E OB 3								
030									030	23883	9	-54.5		9	26	229	2	030	23866	9	-54.6					
050	20693	6	-62.7						050	20663	0	-61.8		2	56	341	3	050	20645	4	-61.4		9		260	8
100	16580	0	-75.6						100	16489	0	-69.6		1	91	277	16	100	16460	0	-68.1		9	98	250	16
150	14184	0	-64.9						150	14036	0	-62.4		1	94	273	26	150	13994	0	-61.6		9	91	252	20
200	12383	0	-52.4						200	12228	0	-54.1	25.1	1	90	260	29	200	12185	0	-54.8	21.2	9	89	242	21
300	9644	0	-32.2	20.2					300	9532	0	-37.4	27.2	1	84	255	26	300	9501	0	-38.6	23.7	9	88	248	19
500	5849	0	-7.7	22.3					500	5821	0	-12.5	33.0	3	64	269	9	500	5810	0	-13.8	31.7	3	77	265	9
700	3167	0	5.3	14.0					700	3172	0	3.7	19.4	3	49	292	4	700	3168	0	3.3	27.2	2	57	292	4
850	1565	0	10.9	3.7					850	1572	3	10.8	11.7	3	60	135	2	850	1569	0	12.6	21.3	2	59	295	4
881	*1276		12.0	1.9					854	*1523		9.3	10.3					926	* 839		20.6	23.9				
AFRICA - SOUTH AFRICA SPRINGBOK 68512 AUG 1999 2967S 01790E OB									AFRICA - SOUTH AFRICA DE AAR 68538 AUG 1999 3065S 02400E OB 3									AFRICA - SOUTH AFRICA DURBAN INTNL. AIRPORT 68588 AUG 1999 2997S 03095E OB 3								
030	23878	8	-54.5						030	23867	3	-54.9						030	23927	19	-51.7					
050	20653	2	-60.5						050	20638	0	-61.0						050	20662	10	-61.1		9		260	9
100	16418	0	-66.4						100	16410	0	-66.6						100	16437	4	-66.9		9	97	282	16
150	13940	0	-61.2						150	13924	0	-60.1						150	13953	3	-59.6		9	87	297	25
200	12134	0	-55.0	23.0					200	12106	0	-54.6	21.5	9	91	253	24	200	12136	1	-53.9	24.5	9	93	303	25
300	9457	0	-39.5	24.5					300	9438	0	-40.9	19.9	7	89	263	22	300	9466	0	-40.7	21.7	9	68	295	24
500	5779	0	-13.8	33.8					500	5779	0	-15.2	28.4	5	78	267	9	500	5799	0	-14.9	26.3	9	51	310	13
700	3140	0	3.4	30.1					700	3152	0	1.3	21.7	2	72	287	6	700	3166	0	2.8	19.8	9	86	191	7
850	1542	0	11.4	20.4					850	1560	0	12.8	18.6	1	75	320	4	850	1567	0	12.4	14.3	9	92	183	9
906	*1007		10.7	13.8					878	*1287		16.7	21.2					1020	* 14		16.0	3.5				

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
AFRICA - SOUTH AFRICA CAPE TOWN INTNL. AIRPORT 68816 AUG 1999 3397S 01860E OB 3									AFRICA - SOUTH AFRICA PORT ELIZABETH 68842 AUG 1999 3398S 02562E OB 3									AFRICA - SOUTH AFRICA GOUGH ISLAND 68906 AUG 1999 4021S 00953W OB 3								
030	23842	6	-54.5		6	94	277	14	030	23846	8	-54.7						030	23638	9	-55.5		9	98	274	36
050	20610	0	-59.3		0	96	283	14	050	20619	4	-59.7						050	20402	5	-58.2		9	98	274	32
100	16322	0	-63.4		0	97	276	28	100	16344	0	-63.5						100	16053	2	-58.4		9	97	275	35
150	13813	0	-59.0		0	96	275	35	150	13831	0	-58.5						150	13494	1	-56.0		7	93	277	36
200	11989	0	-54.7	24.9	0	95	272	39	200	12008	0	-55.0	23.9					200	11678	0	-57.1	20.7	8	90	277	38
300	9336	0	-42.7	24.5	0	91	272	29	300	9362	0	-43.2	22.1					300	9080	0	-47.9	14.3	8	87	276	38
500	5710	0	-17.5	25.8	1	83	279	17	500	5730	0	-16.9	25.0					500	5523	0	-22.7	14.5	6	88	281	27
700	3103	0	.0	21.9	1	83	287	13	700	3114	0	1.1	20.3					700	2972	0	-7.1	16.9	6	92	272	20
850	1522	0	9.0	16.1	0	81	304	9	850	1524	0	11.3	15.6					850	1436	0	.5	7.9	7	86	274	15
1014	* 46		11.5	3.0					1011	* 69		12.7	3.5					1007	* 54		8.6	3.5				
AFRICA - SOUTH AFRICA MARION ISLAND 68994 AUG 1999 4653S 03752E OB 3									N AMERICA - USA (ALASKA) KOTZEBUE, RALPH WIEN 70133 AUG 1999 6652N 16238W OB 3									N AMERICA - USA (ALASKA) NOME 70200 AUG 1999 6430N 16526W OB 3								
030	23454	13	-58.5						030	24274	5	-48.1	27.8	6	62	131	3	030	24279	0	-48.2	27.3	2	32	102	2
050	20256	5	-60.0		9	99	272	45	050	20920	3	-48.9	27.1	4	68	147	3	050	20919	0	-48.8	27.1	1	53	161	2
100	15921	2	-59.6		9	97	272	40	100	16352	4	-48.8	26.9	5	50	197	3	100	16362	1	-48.3	27.1	1	49	208	3
150	13373	2	-58.0		9	95	273	38	150	13685	4	-47.5	27.3	5	43	205	5	150	13691	0	-47.1	26.9	1	26	177	4
200	11569	2	-60.0	19.9	9	85	273	35	200	11783	4	-47.4	22.8	5	44	202	8	200	11780	1	-47.1	20.8	2	30	220	5
300	9001	2	-50.1	13.5	9	90	269	36	300	9114	4	-45.8	9.3	5	48	202	10	300	9105	1	-45.2	8.6	1	40	187	8
500	5473	2	-23.9	15.1	9	84	275	24	500	5529	4	-20.3	10.4	4	46	209	5	500	5514	1	-20.3	9.0	1	48	182	6
700	2935	1	-7.2	17.3	9	85	275	17	700	2960	4	-5.0	8.0	4	58	193	6	700	2942	0	-4.8	7.6	0	50	173	5
850	1402	1	-.6	8.7	9	73	281	12	850	1410	4	3.1	5.0	4	64	188	5	850	1393	1	3.1	4.9	1	61	176	5
1009	* 21		4.4	2.9					1008	* 5		11.9	3.2					1006	* 7		8.5	1.5				
N AMERICA - USA (ALASKA) ANCHORAGE/INT. 70273 AUG 1999 6110N 15001W OB 3									N AMERICA - USA (ALASKA) COLD BAY 70316 AUG 1999 5512N 16243W OB 3									N AMERICA - USA (ALASKA) YAKUTAT 70361 AUG 1999 5931N 13940W OB 3								
030	24241	2	-49.3	24.1	2	23	124	1	030	24258	3	-48.3	26.4	3	39	120	2	030	24262	2	-49.8	23.6	2	38	124	2
050	20905	2	-50.5	24.0	2	23	206	1	050	20917	3	-51.1	25.6	3	10	200	1	050	20931	2	-50.8	23.1	2	19	194	1
100	16384	3	-49.9	24.5	3	42	230	3	100	16411	3	-51.1	25.4	3	60	263	6	100	16419	3	-50.8	22.6	3	50	228	3
150	13729	3	-48.9	22.9	3	39	250	4	150	13783	2	-50.3	23.1	3	69	266	11	150	13772	3	-49.0	22.1	3	44	233	5
200	11838	3	-49.0	16.4	3	28	249	4	200	11901	2	-49.2	17.7	4	69	271	15	200	11879	3	-48.1	19.0	3	27	240	4
300	9171	3	-44.8	6.4	3	6	175	1	300	9210	2	-42.3	9.6	2	55	255	12	300	9201	3	-44.4	8.0	3	15	165	3
500	5564	3	-19.1	8.0	4	24	183	3	500	5571	2	-17.0	8.6	2	58	240	9	500	5589	2	-19.1	7.9	2	48	159	5
700	2979	3	-3.4	5.8	3	39	154	3	700	2970	2	-2.3	9.2	2	59	242	7	700	3002	2	-3.4	3.0	2	67	144	6
850	1419	3	5.2	3.6	4	47	133	3	850	1407	2	4.1	6.1	2	39	234	4	850	1439	2	5.8	4.7	2	65	134	5
1003	* 40		12.2	2.2					1005	* 31		8.0	.9					1009	* 9		10.5	1.1				

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
N AMERICA - USA (ALASKA) SHEMYA AFB 70414 AUG 1999 5243N 17406E OB 3									N AMERICA - USA SHREVEPORT/REG., LA. 72248 AUG 1999 3228N 09347W OB 2									N AMERICA - USA NEWPORT, NC 72305 AUG 1999 3447N 07653W OB 2								
030									030	24041	11	-55.2	25.5	9	98	81	14	030	24087	3	-52.7	26.2	3	99	92	11
050									050	20825	9	-61.1	23.0	9	98	81	11	050	20839	3	-59.4	23.4	3	97	84	10
100									100	16635	2	-72.8	10.0	2	82	57	4	100	16605	2	-69.6	12.2	2	43	283	3
150									150	14233	2	-66.1	9.7	1	48	5	4	150	14185	1	-64.9	10.9	2	69	284	11
200									200	12441	1	-54.0	11.3	1	48	352	5	200	12388	1	-53.6	10.7	1	56	272	10
300									300	9714	3	-32.6	16.6	3	60	10	6	300	9658	2	-32.3	12.2	2	61	269	9
500	5582	8	-15.7	10.3					500	5908	1	-5.6	25.4	1	56	33	4	500	5860	0	-7.1	15.0	2	60	265	7
700	2968	8	-1.6	9.4					700	3191	2	10.2	16.7	1	66	7	3	700	3157	0	8.1	11.5	0	51	263	4
850	1402	8	4.8	5.2					850	1546	1	20.3	11.2	1	19	292	1	850	1526	0	17.6	6.6	1	32	305	3
1005	* 31		7.9	.9					1004	* 79		23.9	3.7					1012	* 11		23.2	1.1				
N AMERICA - USA NASHVILLE/OLD HICKORY, TN. 72327 AUG 1999 3615N 08634W OB 3									N AMERICA - USA STERLING, VA. 72403 AUG 1999 3859N 07728W OB 3									N AMERICA - USA NORTH PLATTE/LEE BIRD, NE. 72562 AUG 1999 4108N 10041W OB 3								
030	24182	0	-51.9	14.8	0	98	85	10	030	24135	9	-51.9	25.7	9	97	87	8	030	24152	7	-53.3	23.9	7	96	89	7
050	20916	0	-58.0	11.4	0	96	82	8	050	20873	6	-57.7	24.2	6	93	81	5	050	20898	7	-58.6	21.1	8	88	75	4
100	16656	0	-68.3	9.1	0	73	325	4	100	16581	5	-65.8	17.3	5	91	276	10	100	16645	5	-67.9	13.0	5	76	290	6
150	14214	0	-63.5	9.9	0	84	299	12	150	14110	5	-62.0	16.5	5	88	279	20	150	14193	4	-63.7	12.7	3	87	273	16
200	12403	0	-52.5	11.5	0	84	301	16	200	12294	5	-53.0	14.6	5	83	274	22	200	12392	3	-54.0	12.3	3	86	269	19
300	9676	0	-33.2	15.3	0	79	305	13	300	9584	5	-35.2	14.2	7	88	266	18	300	9672	3	-33.5	12.3	3	87	273	14
500	5884	0	-6.5	22.4	0	71	301	8	500	5824	5	-8.7	18.9	5	78	279	10	500	5883	3	-7.1	16.9	2	76	265	8
700	3174	0	9.3	18.5	0	66	302	5	700	3138	5	6.6	17.6	5	74	275	7	700	3174	2	10.6	10.6	3	62	256	5
850	1540	0	16.9	6.9	0	59	296	5	850	1520	5	14.7	8.4	5	57	297	4	850	1522	2	20.2	10.6	4	40	227	4
995	* 180		20.1	2.7					1005	* 98		18.3	2.4					920	* 849		11.5	1.3				
N AMERICA - USA MEDFORD/MEDFORD- JACKSON COU 72597 AUG 1999 4222N 12252W OB 3									N AMERICA - USA CHANHASSEN, MN 72649 AUG 1999 4451N 09334W OB 2									N AMERICA - USA INT.FALLS/FALLS INT.MN. 72747 AUG 1999 4834N 09323W OB 3								
030	24196	1	-52.3	12.8	1	97	82	7	030	24177	5	-52.3	24.3	5	92	75	5	030	24340	4	-48.7	25.9	5	90	68	4
050	20925	1	-56.6	11.2	2	74	104	3	050	20911	3	-57.2	23.1	3	80	58	4	050	20977	4	-55.4	24.6	4	58	358	2
100	16579	1	-60.1	10.4	3	86	215	7	100	16593	2	-63.1	19.6	2	92	299	12	100	16539	5	-58.8	23.3	5	92	301	13
150	14023	1	-54.8	11.0	2	78	222	11	150	14085	2	-60.0	17.7	1	92	292	26	150	13989	4	-56.0	22.2	4	95	294	23
200	12169	1	-52.2	10.5	2	63	219	11	200	12263	1	-53.6	13.4	2	91	291	32	200	12145	5	-53.0	15.5	5	92	293	28
300	9494	1	-39.5	10.1	1	56	214	9	300	9563	0	-36.4	13.7	0	88	294	23	300	9469	2	-39.0	12.8	2	88	292	22
500	5790	1	-12.2	12.8	0	58	205	6	500	5819	0	-9.5	16.4	0	85	295	13	500	5758	1	-11.6	15.7	1	86	297	15
700	3129	0	5.3	11.5	0	71	202	5	700	3139	0	6.0	11.6	0	76	300	9	700	3100	1	3.8	11.9	1	82	296	10
850	1513	0	13.9	6.2	0	12	129	1	850	1521	0	14.4	8.8	0	42	275	4	850	1501	1	11.1	5.8	1	57	294	4
969	* 405		16.7	4.9					982	* 287		16.7	2.6					973	* 361		12.0	1.0				

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL	TEMPERATURE			VECTOR WIND			LEVEL	TEMPERATURE			VECTOR WIND							
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
N AMERICA - USA BISMARCK/MUN.,ND. 72764 AUG 1999 4646N 10045W OB 3								N AMERICA - USA GREAT FALLS, MT 72776 AUG 1999 4728N 11123W OB 2								N AMERICA - USA SPOKANE, WA 72786 AUG 1999 4741N 11738W OB										
030	24252	3	-50.3	13.1	5	81	72	4	030	24194	0	-51.2	15.6	0	87	78	4	030	24213	5	-51.2	15.3	5	78	79	4
050	20957	2	-55.2	10.6	5	60	25	2	050	20910	0	-56.1	12.5	0	34	90	1	050	20928	3	-55.9	13.1	4	55	90	2
100	16607	3	-61.5	9.0	6	95	287	11	100	16563	0	-61.4	10.3	0	91	254	8	100	16557	3	-59.3	11.4	4	89	234	8
150	14080	3	-57.9	9.1	7	96	281	24	150	14030	0	-56.8	10.7	0	93	250	18	150	14004	1	-55.2	11.3	3	92	230	13
200	12253	3	-53.3	9.1	6	95	274	30	200	12194	0	-53.9	10.0	0	89	247	21	200	12157	1	-53.5	10.2	1	85	224	16
300	9557	3	-37.1	9.7	6	88	279	21	300	9520	0	-38.4	10.1	0	82	245	16	300	9486	1	-39.3	10.6	1	74	220	13
500	5818	3	-10.0	10.9	6	88	286	13	500	5793	0	-10.7	9.2	1	84	251	12	500	5782	1	-12.3	10.0	1	82	229	11
700	3135	2	7.5	9.5	4	77	292	8	700	3118	0	7.2	10.2	1	79	258	7	700	3122	0	5.5	10.6	0	76	234	6
850	1507	2	16.2	7.7	3	38	267	3	850	1488	0	17.5	11.3	6	56	238	4	850	1501	0	16.9	12.6	1	50	217	3
956	* 506		15.0	1.6					886	*1131		13.5	4.7					930	* 728		14.8	6.1				
N AMERICA - CANADA NORMAN WELLS UA, N.W.T. 71043 AUG 1999 6517N 12645W OB 3								N AMERICA - CANADA HALL BEACH UA, N.W.T. 71081 AUG 1999 6846N 08113W OB 3								N AMERICA - CANADA ALERT UA, N.W.T. 71082 AUG 1999 8230N 06220W OB 3										
030	24264	1	-49.1	31.0	4	32	356	2	030	24246	0	-46.6	34.5	5	29	66	1	030	24299	2	-45.4	33.9	5	81	81	4
050	20924	0	-50.0	30.3	4	50	301	3	050	20863	0	-47.0	34.1	5	61	350	3	050	20899	1	-45.4	33.5	4	78	74	4
100	16398	0	-50.7	29.1	3	72	280	5	100	16266	0	-45.8	34.1	3	63	321	5	100	16270	1	-44.9	32.3	3	79	57	5
150	13759	0	-50.8	25.1	4	69	282	7	150	13561	0	-44.7	33.9	2	75	305	7	150	13560	1	-44.6	31.0	4	72	58	6
200	11887	0	-52.4	15.2	4	63	277	9	200	11634	0	-44.1	31.5	3	74	304	8	200	11631	1	-44.3	28.5	4	74	51	8
300	9244	0	-44.5	6.3	5	50	272	9	300	8948	1	-48.2	9.0	3	56	293	10	300	8960	1	-49.6	6.8	5	70	43	13
500	5619	0	-17.7	9.6	3	64	269	7	500	5410	0	-24.1	9.9	4	48	297	5	500	5438	1	-25.5	8.0	4	62	42	7
700	3019	0	-1.3	5.0	3	61	270	5	700	2878	0	-8.8	5.9	1	36	336	3	700	2918	1	-9.9	8.6	3	61	41	5
850	1441	0	8.4	6.0	4	31	215	2	850	1351	0	-1.4	3.5	2	35	5	3	850	1398	1	-3.1	6.4	3	57	18	4
1001	* 95		12.0	3.6					1004	* 6		3.5	1.2					1009	* 65		-1.8	.9				
N AMERICA - CANADA PORT HARDY UA, B.C. 71109 AUG 1999 5041N 12722W OB 3								N AMERICA - CANADA EDMONTON STONY PLAIN, ALTA 71119 AUG 1999 5332N 11406W OB 3								N AMERICA - CANADA SABLE ISLAND, N.S. 71600 AUG 1999 4356N 06001W OB 3										
030	24255	2	-50.8	29.0	1	55	81	3	030	24249	0	-50.7	32.0	3	74	55	3	030	24172	1	-51.8	29.9	0	90	87	6
050	20951	2	-53.9	28.5	1	29	138	1	050	20943	0	-53.6	31.3	2	22	342	1	050	20893	0	-55.8	29.4	0	35	126	2
100	16515	1	-55.4	28.0	1	75	233	8	100	16517	0	-55.9	28.8	1	88	266	9	100	16537	0	-61.0	26.4	0	92	252	12
150	13919	0	-53.2	24.5	0	72	237	12	150	13930	0	-54.0	23.9	2	91	260	15	150	14020	0	-59.8	20.6	1	94	254	25
200	12051	0	-51.8	15.2	1	68	241	16	200	12081	0	-53.8	12.8	1	87	256	18	200	12198	0	-54.7	13.0	0	92	252	31
300	9382	0	-40.3	8.6	0	62	238	16	300	9425	0	-40.3	9.2	1	76	255	16	300	9510	0	-36.8	13.1	0	92	249	27
500	5704	0	-14.6	11.4	0	71	228	12	500	5732	0	-13.3	9.3	2	75	262	9	500	5773	0	-10.2	19.1	0	92	252	17
700	3075	0	.9	6.9	0	69	214	7	700	3089	0	3.0	8.1	1	65	272	5	700	3103	0	5.0	17.1	0	86	252	10
850	1490	0	8.8	4.9	0	60	193	4	850	1485	0	13.5	9.9	2	27	261	2	850	1497	0	11.9	7.1	0	73	254	7
1013	* 17		12.4	1.2					925	* 766		12.2	1.4					1013	* 4		19.8	2.1				

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
N AMERICA - CANADA YARMOUTH, N.S. 71603 AUG 1999 4352N 06606W OB 3									N AMERICA - CANADA MANIWAKI, QUE. 71722 AUG 1999 4623N 07558W OB 3									N AMERICA - CANADA ST. JOHN'S UA, NLFD 71801 AUG 1999 4737N 05245W OB 3								
030	24271	5	-50.2	16.8	6	91	85	6	030	24189	2	-51.1	32.7	1	72	76	4	030	24309	8	-49.3	17.3	9	92	97	5
050	20964	5	-54.5	14.3	5	30	114	1	050	20895	2	-54.2	32.0	2	18	315	1	050	20990	7	-53.2	15.8	9	57	149	2
100	16575	3	-59.5	11.4	3	93	256	12	100	16492	1	-57.2	30.8	1	90	279	12	100	16548	3	-57.3	15.7	3	93	253	13
150	14034	3	-57.2	10.9	4	93	261	23	150	13919	1	-54.7	28.9	1	93	278	20	150	13987	3	-56.4	13.1	3	94	254	25
200	12188	2	-53.1	10.1	2	89	257	31	200	12060	1	-51.9	19.7	1	89	281	24	200	12154	3	-53.8	9.9	4	92	254	35
300	9486	2	-36.9	10.9	3	87	257	26	300	9393	0	-40.8	12.3	0	88	282	22	300	9458	3	-37.8	10.4	3	92	250	30
500	5755	2	-10.7	12.4	2	87	262	16	500	5710	0	-13.6	17.8	1	86	285	13	500	5739	3	-11.5	14.0	3	90	254	19
700	3092	2	3.9	10.2	2	85	265	10	700	3075	0	1.1	11.7	0	71	281	7	700	3080	3	3.9	15.5	3	87	252	12
850	1489	2	11.7	5.6	2	58	264	5	850	1489	0	9.0	5.9	0	56	287	5	850	1482	3	10.3	7.0	3	71	257	8
1009	*	9	17.1	1.7					995	* 173		13.1	2.2					997	* 140		16.8	3.2				
N AMERICA - CANADA SEPT-ILES UA, QUE. 71811 AUG 1999 5013N 06615W OB 3									N AMERICA - CANADA STEPHENVILLE UA, NLFD 71815 AUG 1999 4834N 05834W OB 3									N AMERICA - CANADA GOOSE UA, NLFD. 71816 AUG 1999 5318N 06022W OB 3								
030	24229	0	-49.8	33.0	1	45	77	2	030	24226	5	-50.1	25.0	4	76	88	4	030	24248	0	-48.5	25.8	0	35	102	2
050	20909	0	-52.3	31.7	0	40	267	2	050	20912	5	-53.0	24.2	4	47	229	2	050	20907	0	-51.0	25.1	0	55	250	3
100	16448	0	-53.7	31.2	0	89	261	11	100	16477	0	-55.7	22.2	1	91	256	12	100	16408	0	-51.8	24.8	0	89	258	11
150	13832	0	-51.8	30.0	0	92	261	18	150	13892	0	-54.2	20.5	1	93	252	23	150	13773	0	-50.4	23.5	0	91	260	16
200	11960	0	-50.9	22.3	1	88	260	21	200	12034	0	-51.6	14.9	1	91	250	29	200	11890	0	-49.7	17.8	0	88	260	19
300	9298	0	-42.7	11.2	0	75	262	17	300	9358	0	-40.3	9.5	1	87	250	26	300	9226	0	-43.7	9.6	0	69	259	16
500	5644	0	-15.4	13.8	0	81	270	12	500	5671	0	-13.5	11.8	1	85	255	16	500	5590	0	-16.6	11.0	1	78	266	11
700	3027	0	- .6	7.8	0	73	271	8	700	3031	0	1.9	10.1	0	83	257	12	700	2984	0	-1.7	8.4	1	72	275	8
850	1449	0	8.4	6.2	0	68	287	6	850	1441	0	9.0	4.3	0	71	248	8	850	1416	0	6.1	3.3	1	60	274	6
1004	*	53	15.2	4.3					1008	* 60		17.4	4.5					1002	* 36		14.4	3.7				
N AMERICA - CANADA LA GRANDE IV, QUE. 71823 AUG 1999 5345N 07340W OB 3									N AMERICA - CANADA MOOSONEE, ONT. 71836 AUG 1999 5116N 08039W OB 3									N AMERICA - CANADA PICKLE LAKE, ONT. 71845 AUG 1999 5127N 09012W OB 2								
030	24240	1	-48.7	29.5	0	22	108	1	030	24211	3	-50.0	31.5	4	46	68	2	030	24215	1	-51.0	31.7	1	56	48	3
050	20902	0	-51.1	28.2	1	57	283	3	050	20897	3	-52.8	30.9	4	64	303	3	050	20912	1	-53.4	30.9	1	61	331	3
100	16399	0	-51.6	27.2	0	86	279	10	100	16436	0	-53.8	30.2	1	95	292	12	100	16481	0	-55.3	29.8	0	96	299	13
150	13760	0	-50.2	24.3	0	86	281	13	150	13822	0	-51.9	27.3	0	93	292	18	150	13888	0	-53.2	27.5	0	95	296	22
200	11880	0	-50.9	15.5	0	82	284	16	200	11949	0	-51.5	18.8	1	91	294	20	200	12021	0	-52.5	17.0	1	93	297	26
300	9228	0	-43.9	8.3	1	63	279	14	300	9296	0	-43.0	9.8	0	84	296	18	300	9365	0	-40.9	11.6	0	91	300	24
500	5600	0	-17.4	10.2	0	72	286	11	500	5647	0	-15.9	12.9	0	87	295	12	500	5692	0	-14.3	14.7	0	89	300	14
700	2999	0	-2.2	7.5	0	79	282	10	700	3034	0	- .8	9.2	0	83	293	9	700	3061	0	.7	14.1	0	77	295	8
850	1434	0	5.3	4.9	0	78	280	9	850	1460	0	7.1	6.4	0	75	284	7	850	1479	0	8.4	5.3	0	60	288	5
974	*	307	10.5	1.6					1012	* 10		12.7	1.8					969	* 389		12.8	3.1				

UPPER AIR

AUGUST 1999

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
N AMERICA - CANADA THE PASS UA, MAN 71867 AUG 1999 5358N 10106W OB 3									N AMERICA - CANADA KUUJJUAQ, UA, QUE. 71906 AUG 1999 5807N 06825W OB 3									N AMERICA - CANADA INUKJUAQ, QUE 71907 AUG 1999 5827N 07807W OB 3								
030	24279	1	-49.6	18.4	1	61	38	3	030	24199	3	-48.0	32.2	2	9	135	1	030	24224	1	-48.3	28.1	1	13	329	1
050	20955	1	-52.6	16.5	2	65	328	3	050	20846	2	-49.7	29.9	4	53	263	3	050	20876	0	-49.8	28.0	0	40	306	3
100	16503	1	-54.9	14.7	2	93	288	13	100	16312	1	-49.2	30.1	1	69	268	7	100	16341	0	-49.3	27.8	0	78	294	8
150	13905	1	-53.4	13.7	2	94	287	21	150	13653	0	-48.4	28.9	1	74	269	11	150	13678	0	-48.3	26.5	0	83	295	12
200	12043	0	-52.5	10.9	1	93	287	25	200	11751	0	-48.8	21.3	1	71	274	13	200	11784	0	-48.8	21.4	0	81	296	15
300	9378	0	-40.7	10.1	1	89	291	23	300	9104	0	-45.6	8.3	1	60	276	15	300	9134	0	-45.4	7.9	1	65	295	16
500	5697	0	-14.0	12.7	1	85	293	14	500	5515	0	-19.9	10.4	1	64	277	11	500	5529	0	-19.1	8.1	0	62	285	11
700	3063	0	1.6	9.6	1	81	297	9	700	2938	0	-4.8	8.5	1	55	269	7	700	2943	0	-3.4	8.5	1	52	284	7
850	1472	0	10.5	6.9	1	61	285	5	850	1389	0	2.8	2.7	1	47	261	5	850	1386	0	3.9	5.8	0	51	277	5
981	* 274		13.5	1.5					1002	* 60		9.8	3.0					1003	* 6		10.0	1.0				
N AMERICA - CANADA IQALUIT, N.W.T. 71909 AUG 1999 6345N 06833W OB 3									N AMERICA - CANADA CHURCHILL UA, MAN. 71913 AUG 1999 5844N 09405W OB 3									N AMERICA - CANADA CORAL HARBOUR UA, N.W.T. 71915 AUG 1999 6412N 08322W OB 3								
030	24248	2	-46.7	34.3		25	176	2	030	24253	4	-49.2	29.3	3	52	13	3	030	24228	3	-48.0	33.0	6	22	52	1
050	20874	0	-47.7	32.7	9	32	265	2	050	20918	4	-50.8	28.5	3	77	331	5	050	20865	3	-48.5	33.4	6	61	323	4
100	16294	0	-47.0	32.2	9	58	261	5	100	16406	3	-50.9	27.5	3	91	304	11	100	16301	0	-47.7	33.3	3	77	303	7
150	13605	0	-46.1	31.5	9	63	278	8	150	13759	2	-49.9	23.8	2	93	301	16	150	13616	0	-46.5	33.4	3	78	303	9
200	11690	0	-46.4	25.3	9	61	283	9	200	11880	1	-50.4	16.0	2	93	300	19	200	11701	0	-45.6	32.2	3	78	302	12
300	9022	0	-47.1	8.0	9	54	272	12	300	9222	1	-43.8	7.2	1	82	297	18	300	9028	0	-46.3	11.4	4	66	296	15
500	5454	0	-21.9	9.4	9	55	279	8	500	5592	1	-17.7	8.4	1	84	301	13	500	5458	0	-22.2	10.0	2	63	297	9
700	2900	0	-7.1	5.7		34	315	4	700	2993	1	-2.1	10.2	1	77	303	10	700	2905	0	-6.8	8.9	1	53	311	6
850	1364	0	-2	3.3		25	309	3	850	1430	1	5.0	6.4	1	67	308	7	850	1366	0	.8	5.4	2	55	328	5
1001	* 34		6.2	2.4					1007	* 29		10.0	2.3					998	* 57		6.2	2.1				
N AMERICA - CANADA EUREKA UA, N.W.T. 71917 AUG 1999 7959N 08556W OB 3									N AMERICA - CANADA RESOLUTE UA, N.W.T. 71924 AUG 1999 7442N 09458W OB 3									N AMERICA - CANADA CAMBRIDGE BAY UA, N.W.T. 71925 AUG 1999 6908N 10504W OB 3								
030	24276	3	-46.2	35.0	2	80	60	4	030	24282	2	-46.4	32.9	7	80	45	4	030	24284	0	-47.7	34.0	6	65	11	3
050	20879	2	-45.9	35.1	2	78	49	4	050	20895	1	-46.6	32.6	6	75	10	4	050	20913	0	-48.0	34.0	7	61	339	4
100	16264	1	-45.6	34.6	1	86	28	5	100	16286	1	-45.6	30.9	5	78	351	6	100	16338	0	-47.5	33.7	6	77	318	8
150	13560	1	-45.2	34.5	1	79	25	6	150	13578	0	-44.9	30.0	4	75	349	7	150	13654	0	-46.5	33.7	7	73	316	11
200	11638	1	-45.2	30.1	0	78	34	8	200	11651	0	-44.4	27.3	5	73	354	9	200	11741	0	-46.2	28.5	6	67	312	12
300	8977	1	-49.3	6.9	1	73	32	13	300	8981	0	-49.2	6.9	7	66	9	11	300	9073	0	-46.8	9.1	8	65	305	16
500	5449	1	-25.3	7.3	0	69	33	8	500	5447	0	-24.5	7.7	5	69	12	8	500	5507	0	-22.3	14.3	7	64	320	9
700	2923	0	-9.5	8.3	0	54	33	5	700	2914	0	-8.7	8.5	4	80	15	7	700	2956	0	-7.0	12.4	6	70	335	7
850	1401	0	-2.1	7.2	0	45	36	3	850	1389	0	-2.2	4.9	4	78	17	5	850	1422	0	-6	7.2	6	68	336	6
1010	* 10		4.0	5.7					1002	* 40		3.0	2.1					1010	* 26		5.4	2.0				

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
N AMERICA - CANADA BAKER LAKE UA, N.W.T. 71926 AUG 1999 6419N 09600W OB 3																										
030	24268	4	-48.2	33.9	8	52	7	3	030	24264	10	-49.6	31.3	8	57	2	3	030	24304	4	-49.7	30.8	2	32	54	2
050	20902	3	-48.8	33.2	7	72	324	5	050	20933	7	-50.9	30.6	6	60	310	3	050	20975	3	-51.4	30.4	2	32	284	2
100	16343	2	-48.2	32.8	4	87	307	10	100	16437	5	-51.8	30.4	5	88	286	10	100	16479	0	-52.0	30.4	0	71	264	7
150	13666	1	-47.1	31.4	5	88	304	14	150	13808	5	-51.6	28.3	5	84	284	14	150	13854	0	-51.2	27.7	0	73	255	10
200	11761	1	-47.0	25.6	4	85	302	18	200	11945	5	-53.3	15.1	5	78	282	18	200	11974	0	-52.3	15.6	1	57	245	10
300	9092	1	-45.7	8.9	5	74	298	20	300	9300	5	-42.5	8.4	5	75	285	19	300	9324	0	-42.4	9.1	0	49	235	9
500	5505	1	-20.7	10.5	5	72	305	12	500	5645	5	-15.7	13.8	5	75	282	12	500	5675	0	-16.0	10.8	0	62	234	6
700	2940	1	-6.1	7.5	3	68	318	8	700	3036	4	-1.2	9.8	4	72	294	7	700	3056	0	-2	6.2	0	56	261	4
850	1400	1	.2	4.1	3	52	336	6	850	1459	4	8.8	7.9	4	45	296	4	850	1468	0	11.4	8.6	0	44	268	3
1008	* 50		7.5	3.0					987	* 203		11.0	2.7					967	* 378		10.8	1.3				
N AMERICA - CANADA INUUVIK UA, N.W.T. 71957 AUG 1999 6819N 13332W OB 3																										
030	24327	6	-48.2	32.8		49	36	2	030	24297	3	-49.0	28.2	6	27	121	1	030	23895	15	-58.6		9	95	94	11
050	20956	4	-48.7	32.0		44	327	2	050	20955	3	-50.5	27.3	6	29	212	2	050	20721	12	-71.4		9	89	75	9
100	16408	5	-49.1	31.9		80	278	5	100	16442	2	-51.3	25.8	3	66	231	4	100	16573	12	-76.2		9	91	86	10
150	13751	5	-49.2	27.3		71	279	8	150	13803	2	-50.1	23.5	4	58	228	5	150	14202	12	-68.9		9	69	79	7
200	11858	5	-49.9	18.4		65	280	10	200	11921	2	-49.9	16.1	4	37	208	4	200	12427	11	-55.2		9	82	68	10
300	9214	5	-44.5	7.8		54	284	11	300	9261	2	-44.0	7.1	4	44	173	7	300	9699	11	-32.0	10.1	9	84	86	5
500	5595	4	-18.4	12.2		50	284	6	500	5630	2	-17.2	8.6	3	52	175	5	500	5889	11	-6.4	7.7	9	69	120	6
700	3006	4	-2.9	9.1		61	272	5	700	3026	2	-1.4	6.4	4	53	194	5	700	3178	11	9.4	6.4	9	64	111	5
850	1444	4	5.0	5.1		19	225	2	850	1450	2	8.6	7.1	5	66	180	4	850	1539	11	17.9	5.9	9	92	103	6
1003	* 103		9.6	2.6					932	* 704		8.7	5.7					913	* 939		18.5	1.3				
N AMERICA - ST. MAARTEN, ST. EUST., SABA JULIANA AIRPORT, ST. MAARTEN 78866 AUG 1999 1803N 06307W OB 2																										
030	23989	8	-55.2		8	99	74		030	23891	6	-57.1		6	83	90	9	030								
050	20778	7	-61.6		7	99	77	14	050	20704	5	-62.8		6	80	95	6	050								
100	16609	6	-74.2		6	94	79	9	100	16550	4	-75.3		4	77	90	7	100								
150	14213	6	-65.9		6	68	102	5	150	14175	3	-68.2		3	50	100	4	150								
200	12423	3	-54.7		5	7	188	1	200	12397	3	-55.0		3	48	90	4	200	12412		3.2	2.9				
300	9703	3	-32.8	16.3	4	18	54		300	9675	2	-32.3	11.5	2	72	90	5	300	9684	11	3.2	6.8				
500	5901	3	-6.6	17.8	3	83	79	6	500	5869	0	-6.4	10.2	1	77	85	6	500	5877	30	-5.9	11.7				
700	3195	3	8.9	3.4	3	85	76	7	700	3164	0	8.5	7.2	0	78	90	6	700	3167	0	9.3	7.6	9	97	111	3
850	1559	3	17.3	3.4	3	94	79	7	850	1531	0	17.2	3.3	0	73	90	5	850	1527	30	18.5	5.5	9	93	119	7
1016	* 9		28.7	4.7					1012	* 15		26.0	2.1					1006	* 62		28.8	4.1				
N AMERICA - CANADA FORT SMITH UA, N.W.T. 71934 AUG 1999 6002N 11156W OB 3																										
030	24264	10	-49.6	31.3	8	57	2	3	030	24264	10	-49.6	31.3	8	57	2	3	030	24304	4	-49.7	30.8	2	32	54	2
050	20933	7	-50.9	30.6	6	60	310	3	050	20933	7	-50.9	30.6	6	60	310	3	050	20975	3	-51.4	30.4	2	32	284	2
100	16437	5	-51.8	30.4	5	88	286	10	100	16437	5	-51.8	30.4	5	88	286	10	100	16479	0	-52.0	30.4	0	71	264	7
150	13808	5	-51.6	28.3	5	84	284	14	150	13808	5	-51.6	28.3	5	84	284	14	150	13854	0	-51.2	27.7	0	73	255	10
200	11945	5	-53.3	15.1	5	78	282	18	200	11945	5	-53.3	15.1	5	78	282	18	200	11974	0	-52.3	15.6	1	57	245	10
300	9300	5	-42.5	8.4	5	75	285	19	300	9300	5	-42.5	8.4	5	75	285	19	300	9324	0	-42.4	9.1	0	49	235	9
500	5645	5	-15.7	13.8	5	75	282	12	500	5645	5	-15.7	13.8	5	75	282	12	500	5675	0	-16.0	10.8	0	62	234	6
700	3036	4	-1.2	9.8	4	72	294	7	700	3036	4	-1.2	9.8	4	72	294	7	700	3056	0	-2	6.2	0	56	261	4
850	1459	4	8.8	7.9	4	45	296	4	850	1459	4	8.8	7.9	4	45	296	4	850	1468	0	11.4	8.6	0	44	268	3
987	* 203		11.0	2.7					987	* 203		11.0	2.7					967	* 378		10.8	1.3				
N AMERICA - CANADA WHITEHORSE, UA, Y.T. 71964 AUG 1999 6042N 13504W OB 3																										
030	24297	3	-49.0	28.2	6	27	121	1	030	24297	3	-49.0	28.2	6	27	121	1	030	23895	15	-58.6		9	95	94	11
050	20955	3	-50.5	27.3	6	29	212	2	050	20955	3	-50.5	27.3	6	29	212	2	050	20721	12	-71.4		9	89	75	9
100	16442	2	-51.3	25.8	3	66	231	4	100	16442	2	-51.3	25.8	3	66	231	4	100	16573	12	-76.2		9	91	86	10
150	13803	2	-50.1	23.5	4	58	228	5	150	13803	2	-50.1	23.5	4	58	228	5	150	14202	12	-68.9		9	69	79	7
200	11921	2	-49.9	16.1	4	37	208	4	200	11921	2	-49.9	16.1	4	37	208	4	200	12427	11	-55.2		9	82	68	10
300	9261	2	-44.0	7.1	4	44	173	7	300	9261	2	-44.0	7.1	4	44	173	7	300	9699	11	-32.0	10.1	9	84	86	5
500	5630	2	-17.2	8.6	3	52	175	5	500	5630	2	-17.2	8.6	3	52	175	5	500	5889	11	-6.4	7.7	9	69	120	6
700	3026	2	-1.4	6.4	4	53	194	5	700	3026	2	-1.4	6.4	4	53	194	5	700	3178	11	9.4	6.4	9	64	111	5
850	1450	2	8.6	7.1	5	66	180	4	850	1450	2	8.6	7.1	5	66	180	4	850	1539	11	17.9	5.9	9	92	103	6
932	* 704		8.7	5.7					932	* 704		8.7	5.7					913	* 939		18.5	1.3				
N AMERICA - TRINIDAD AND TOBAGO PIARCO INT. AIRPORT, TRINIDAD 78970 AUG 1999 1037N 06121W OB 2																										
030	23891	6	-57.1		6	83	90	9	030	23891	6	-57.1		6	83	90	9	030								
050	20704	5	-62.8		6	80	95	6	050	20704	5	-62.8		6	80	95	6	050								
100	16550	4	-75.3		4	77	90	7	100	16550	4	-75.3		4	77	90	7	100								
150	14175	3	-68.2		3	50	100	4	150	14175	3	-68.2		3	50	100	4	150								
200	12397	3	-55.0		3	48	90	4	200	12397	3	-55.0		3	48	90	4	200	12412		3.2	2.9				
300	9675	2	-32.3	11.5	2	72	90	5	300	9675	2	-32.3	11.5	2	72	90	5	300	9684	11	3.2	6.8				
500	5869	0	-6.4	10.2	1	77	85	6	500	5869	0	-6.4	10.2	1	77	85	6	500</								

UPPER AIR

AUGUST 1999

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
S AMERICA - COLOMBIA RIOHACHA/ALMIRANTE PADILLA 80035 AUG 1999 1132N 07256W OB 2									S AMERICA - COLOMBIA BOGOTA/ELDORADO 80222 AUG 1999 0442N 07408W OB 3									S AMERICA - COLOMBIA LAS GAVIOTAS 80241 AUG 1999 0433N 07055W OB 2												
030	23861	13	-58.0		9	96	85	11	030	23874	14	-57.7		9	38	186	2	030												
050	20685	20	-63.7		9	95	80	11	050	20710	19	-63.2		9	62	168	0	050	20684	7	-62.8		4	19	229	2				
100	16537	20	-75.5		9	88	126	9	100	16536	22	-75.6		9	71	113	7	100	16533	15	-74.9		8	63	149	5				
150	14167	20	-68.5		9	57	211	5	150	14172	23	-68.6		9	64	126	6	150	14156	19	-69.0		9	21	170	2				
200	12388	20	-54.7		9	71	270	7	200	12391	24	-54.4		9	85	94	10	200	12372	19	-54.4		9	79	130	9				
300	9662	20	-32.3	14.9	9	15	162	1	300	9662	24	-32.1	14.8	9	93	85	11	300	9646	19	-32.2	11.2	9	93	85	11				
500	5856	24	-6.4	7.2	9	94	95	8	500	5856	24	-6.4	7.2	9	94	95	6	500	5841	19	-6.9	5.3	9	92	98	8				
700	3153	24	7.6	4.5	9	94	138	5	700	3153	24	7.6	4.5	9	94	138	5	700	3141	19	7.0	2.4	9	59	124	3				
753	* 4		9.3	1.6					753	*2546		9.3	1.6					850	1513	19	16.6	4.5	9	54	191	3				
																		992	* 167		22.4	1.0								
S AMERICA - COLOMBIA LETICIA/VASQUEZ COBO 80398 AUG 1999 0433S 06932W OB 2									S AMERICA - BRAZIL BELEM (AEROPORTO) 82193 AUG 1999 0123S 04829W OB 2									S AMERICA - BRAZIL MANAUS (AEROPORTO) 82332 AUG 1999 0309S 05959W OB 2												
030	23843	17	-56.3		9	94	269	13	030	23983	5	-55.8	25.9	8	92	265	12	030	23954	15	-56.0	24.4								
050	20649	19	-62.7		9	77	253	10	050	20770	5	-61.5	23.2	9	88	276	8	050	20757	8	-61.7	20.6	9	96	280	11				
100	16535	21	-79.0		9	32	202	3	100	16588	2	-74.9	12.9	6	60	89	5	100	16566	6	-74.1	10.3	9	75	93	6				
150	14181	22	-68.4		9	83	260	9	150	14196	1	-67.0	13.2	6	60	295	2	150	14161	4	-67.5	10.4	6	7	272	1				
200	12446	22	-54.3		9	56	143	6	200	12390	1	-53.6	15.3	6	47	129	4	200	12368	4	-53.8	12.6	7	57	71	4				
300	9670	22	-32.1	9.9	9	73	138	6	300	9661	0	-32.5	20.5	4	57	83	7	300	9630	2	-31.7	16.6	4	75	92	6				
500	5864	22	-6.6	4.6	9	91	82	7	500	5867	0	-6.2	20.5	4	77	83	9	500	5863	2	-6.9	14.3	3	89	81	8				
700	3155	22	8.2	2.8	9	86	17	5	700	3163	0	7.6	10.1	5	93	101	7	700	3161	2	7.0	4.9	4	93	93	7				
850	1521	22	17.1	2.7	9	93	74	5	850	1528	0	18.6	7.0	5	96	132	10	850	1528	2	17.1	2.5	3	99	105	8				
1003	* 84		22.5	.5					1011	* 16		26.9	1.6					1004	* 84		25.4	2.7								
S AMERICA - BRAZIL FORTALEZA 82397 AUG 1999 0346S 03836W OB									S AMERICA - BRAZIL PORTO VELHO (AEROPORTO) 82824 AUG 1999 0846S 06355W OB									S AMERICA - BRAZIL RECIFE (CURADO) 82900 AUG 1999 0803S 03455W OB 2												
030									030	23968	13	-55.8		9	88	277	11	030	23899	12	-57.7									
050	20691	9	-62.6		9	88	268	7	050	20761	12	-61.1		9	82	266	9	050	20712	6	-62.8									
100	16520	4	-74.0		9	50	122	3	100	16580	7	-74.5		8	46	264	3	100	16546	3	-74.9		9	20	64	1				
150	14159	4	-69.2		7	67	276	5	150	14209	7	-67.0		7	31	280	3	150	14175	3	-68.8		9	91	287	10				
200	12385	4	-55.6		8	53	37	5	200	12418	7	-54.1		7	18	58	1	200	12401	3	-55.7		9	67	310	6				
300	9669	4	-32.9	18.4	8	92	58	12	300	9686	7	-32.4	20.7	7	38	86	2	300	9684	3	-33.0	19.5	9	86	35	9				
500	5864	5	-6.7	23.9	7	90	90	9	500	5875	7	-6.2	25.0	7	77	87	5	500	5877	3	-5.6	34.1	9	77	104	5				
700	3160	4	8.7	16.0	8	80	79	4	700	3162	7	7.9	13.3	7	83	87	5	700	3168	3	8.8	23.2	9	13	153	1				
850	1532	4	15.6	6.8	7	95	143	11	850	1526	7	18.2	10.3	7	88	99	5	850	1544	3	13.4	3.1	9	98	143	12				
1012	* 26		26.8	7.6					1003	* 102		22.4	6.1					1016	* 7		24.9	3.9								

UPPER AIR

AUGUST 1999

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	%	°
S AMERICA - BRAZIL ALTA FLORESTA (AEROPORTO) 82965 AUG 1999 0952S 05606E OB /									S AMERICA - BRAZIL SALVADOR 83229 AUG 1999 1301S 03831W OB 2									S AMERICA - BRAZIL BOM JESUS DA LAPA 83288 AUG 1999 1316S 04325W OB 2														
030	23867	14	-57.9		9	95	278	10	030	23860	13	-57.6		9	87	264	7	030														
050	20679	8	-62.9		9	96	277	13	050	20678	9	-63.3		9	91	273	11	050	20699	8	-62.8		9	96	275	11						
100	16536	8	-75.8		9	85	267	6	100	16529	7	-74.7		9	91	279	10	100	16535	6	-73.8		9	91	273	10						
150	14168	7	-68.7		9	88	270	12	150	14146	7	-68.9		9	87	271	14	150	14152	5	-69.2		9	94	274	16						
200	12392	4	-55.5		9	85	272	9	200	12349	7	-56.5		9	77	282	14	200	12387	5	-56.7		9	82	275	14						
300	9677	4	-30.6	32.4	9	53	231	4	300	9673	5	-33.6	21.7	9	79	292	13	300	9680	5	-33.5	30.3	9	86	290	12						
500	5878	4	-6.1	32.6	9	56	87	3	500	5873	6	-5.7	37.4	9	18	177	1	500	5882	5	-5.7	42.8	9	31	207	2						
700	3174	4	5.5	8.5	9	87	106	7	700	3168	6	6.6	20.7	9	85	106	6	700	3172	5	6.5	19.8	9	58	96	4						
850	1545	4	19.6	13.3	9	96	92	8	850	1554	6	12.7	3.9	9	96	124	8	850	1548	5	16.2	10.1	9	97	106	7						
982	* 288		20.1	4.7					1013	* 51		24.0	4.0						967	* 440		22.0	6.3									
S AMERICA - BRAZIL CUIABA (AEROPORTO) 83362 AUG 1999 1539S 05606W OB									S AMERICA - BRAZIL CARAVELAS 83498 AUG 1999 1744S 03915W OB 2									S AMERICA - BRAZIL CAMPO GRANDE (AEROPORTO) 83612 AUG 1999 2028S 05440W OB 2														
030	23834	13	-56.8						030									030														
050	20644	10	-63.2						050	20657	6	-63.1		9	94	267	9	050	20775	12	-59.8		9	69	266	6						
100	16516	5	-75.0						100	16505	6	-73.6		9	96	268	14	100	16591	3	-73.3		3	94	270	16						
150	14137	5	-68.2		9	95	266	49	150	14111	6	-67.6		9	95	270	19	150	14156	1	-63.5		2	91	267	21						
200	12364	4	-56.1		9	91	260	21	200	12335	5	-56.3		9	92	276	24	200	12346	0	-52.8		1	92	272	24						
300	9658	4	-34.4	27.4	9	91	262	15	300	9640	5	-35.2	28.2	8	89	287	21	300	9623	0	-34.5	19.8	0	86	270	20						
500	5881	4	-7.4	30.5	9	62	245	4	500	5870	5	-7.5	40.8	9	68	252	7	500	5862	0	-9.0	23.1	2	56	274	5						
700	3184	4	5.7	9.8	9	33	41	2	700	3179	5	6.5	31.1	6	40	114	3	700	3172	0	5.8	11.8	1	53	320	4						
850	1556	4	18.7	14.9	9	35	77	3	850	1571	5	11.5	5.6	7	68	133	5	850	1550	0	17.7	16.4	1	47	37	4						
995	*		22.6	6.7					1022	* 3		22.7	4.2						954	* 567		22.0	15.7									
S AMERICA - BRAZIL TRINDADE (ILHA) 83650 AUG 1999 2030S 02919W OB 2									S AMERICA - BRAZIL GALEAO 83746 AUG 1999 2249S 04315W OB 2									S AMERICA - BRAZIL SAO PAULO (AEROPOR- TO) 83780 AUG 1999 2337S 04639W OB 2														
030									030	23964	8	-52.9	26.8	9	25	15	1	030	23867	3	-54.4		9	40	83	2						
050	20654	13	-63.0		9	89	262	8	050	20720	4	-60.5	23.5	5	77	265	5	050	20643	3	-61.2		9	67	280	4						
100	16486	8	-65.8		9	94	273	16	100	16518	2	-71.1	14.3	2	97	268	16	100	16466	4	-71.7		9	94	266	15						
150	14074	7	-60.6		9	96	278	25	150	14068	2	-64.1	13.4	2	98	266	25	150	14043	4	-64.7		9	98	266	25						
200	12294	7	-56.6		9	97	283	31	200	12270	2	-55.4	13.7	2	91	264	26	200	12253	4	-56.1		9	94	269	26						
300	9603	7	-36.1	22.1	9	93	279	29	300	9570	2	-37.0	17.0	2	82	263	19	300	9574	1	-38.1	27.9	8	81	272	18						
500	5860	7	-9.7	35.8	9	68	260	9	500	5845	2	-10.2	19.5	3	71	250	8	500	5851	1	-10.5	36.6	9	67	253	8						
700	3182	7	5.6	29.6	8	46	212	3	700	3186	1	5.3	17.6	2	25	260	2	700	3179	1	5.3	23.8	9	50	276	4						
850	1579	7	10.1	5.1	8	63	107	4	850	1578	1	12.4	8.7	1	21	300	2	850	1570	1	13.4	13.3	8	8	353	1						
1023	* 5		23.1	6.5					9999	* 6		18.9	1.1						931	* 803		15.0	4.1									

UPPER AIR

AUGUST 1999

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
S AMERICA - BRAZIL CURITIBA (AEROPORTO) 83840 AUG 1999 2531S 04910W OB 2									S AMERICA - BRAZIL PORTO ALEGRE (AERO- PORTO) 83971 AUG 1999 3000S 05111W OB 2									S AMERICA - CHILE ANTOFAGASTA 85442 AUG 1999 2326S 07027W OB 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
030									030	23905	10	-52.7	26.6	9	54	258	4	030									050	20716	2	-59.4	23.9	6	60	244	3	050	20656	6	-59.5	24.0	8	88	258	7	050									100	16500	2	-69.6	16.5	3	94	264	15	100	16413	4	-67.0	16.7	5	93	264	20	100	16478	3	-71.6						150	14041	2	-62.9	16.2	3	96	264	24	150	13934	2	-62.0	15.3	4	95	265	30	150	14025	1	-64.6						200	12236	1	-55.1	17.0	3	93	264	26	200	12126	2	-55.4	15.1	2	93	264	32	200	12252	0	-54.8						300	9547	1	-37.7	19.1	3	91	268	20	300	9448	1	-40.4	15.9	2	85	268	24	300	9558	0	-37.1						500	5838	0	-10.8	21.4	2	75	264	9	500	5782	0	-13.4	18.5	0	77	268	12	500	5830	0	-10.5						700	3168	0	6.1	20.5	2	50	278	4	700	3142	0	3.2	15.5	0	74	274	9	700	3144	0	9.4						850	1567	0	12.4	9.9	2	38	358	3	850	1543	0	11.1	11.3	0	61	292	6	850	1507	0	17.9						920	* 908		12.6	1.4					1021	* 3		13.3	2.8					1004	* 140		12.8	3.6																																																																																																																																																																																																																																																																																																																					
S AMERICA - CHILE PUERTO MONTT 85799 AUG 1999 4126S 07306W OB 2									S AMERICA - CHILE PUNTA ARENAS 85934 AUG 1999 5300S 07051W OB 2									S AMERICA - ARGENTINA RESISTENCIA AERO. 87155 AUG 1999 2727S 05903W OB 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
030	23667	3	-57.9			4	94	264	27	030								030	23851	0	-54.1						050	20435	1	-58.0			3	96	273	25	050									050	20628	0	-61.5						100	16109	0	-59.4			2	95	277	26	100	15657	2	-62.3	27.4					100	16438	0	-71.6						150	13549	0	-55.1	29.3		2	93	278	28	150	13153	1	-62.6	25.8					150	13994	0	-63.4						200	11710	0	-55.3			2	83	280	27	200	11384	1	-63.2						200	12199	0	-55.8						300	9098	0	-47.8	17.7		2	63	283	24	300	8860	0	-53.4	14.5					300	9525	0	-39.0	19.9					500	5548	0	-23.0	14.2		2	62	282	14	500	5390	0	-27.6	10.6					500	5825	0	-11.3	20.8					700	2988	0	-6.2	16.2		2	54	293	8	700	2877	0	-11.1	12.8					700	3150	0	6.5	19.0					850	1456	0	1.5	6.0		2	57	318	6	850	1361	0	-3.2	7.7					850	1538	0	13.6	12.1					1006	* 90		6.1	1.2					1003	* 43		1.8	.9					1013	* 52		11.8	3.1					S AMERICA - ARGENTINA CORDOBA AERO 87344 AUG 1999 3119S 06413W OB /									S AMERICA - ARGENTINA EZEIZA AERO 87576 AUG 1999 3449S 05832W OB 3									S AMERICA - ARGENTINA COMODORO RIVADAVIA AERO 87860 AUG 1999 4547S 06730W OB 2									030	23828	9	-54.2	32.7	9	39	225	3	030	23810	5	-54.6		9	78	260	9	030	23448	6	-59.9		9	97	271	43	050	20602	3	-61.0	30.9	9	84	270	6	050	20577	4	-59.6		9	88	265	11	050	20277	2	-60.6		9	97	270	38	100	16367	1	-66.0	29.0	9	96	270	23	100	16311	2	-64.0		9	96	260	25	100	15962	1	-59.2		9	95	272	31	150	13865	1	-60.8	28.8	9	95	270	30	150	13782	1	-59.8		9	97	275	35	150	13408	1	-57.3		9	89	274	28	200	12079	0	-55.9	23.2	9	91	265	30	200	11989	0	-56.8		9	94	275	33	200	11594	0	-58.7		9	78	273	26	300	9428	0	-41.8	18.1	9	91	265	26	300	9355	0	-43.5	15.8	9	86	275	26	300	9013	0	-50.2	16.2	9	73	273	24	500	5762	0	-13.8	21.3	9	87	270	15	500	5715	0	-15.6	17.4	9	80	280	19	500	5497	0	-24.8	12.5	9	69	263	14	700	3109	0	4.8	26.8	9	68	290	7	700	3090	0	.6	20.7	9	69	280	10	700	2962	0	-7.1	16.5	9	79	256	13	850	1510	0	9.4	15.0	9	53	335	5	850	1510	0	7.6	17.1	9	42	295	5	850	1424	0	2.0	11.1	9	77	254	11	963	* 474		8.2	6.6					1017	* 20		8.7	2.5					1006	* 46		7.0	8.4				
S AMERICA - ARGENTINA CORDOBA AERO 87344 AUG 1999 3119S 06413W OB /									S AMERICA - ARGENTINA EZEIZA AERO 87576 AUG 1999 3449S 05832W OB 3									S AMERICA - ARGENTINA COMODORO RIVADAVIA AERO 87860 AUG 1999 4547S 06730W OB 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
030	23828	9	-54.2	32.7	9	39	225	3	030	23810	5	-54.6		9	78	260	9	030	23448	6	-59.9		9	97	271	43	050	20602	3	-61.0	30.9	9	84	270	6	050	20577	4	-59.6		9	88	265	11	050	20277	2	-60.6		9	97	270	38	100	16367	1	-66.0	29.0	9	96	270	23	100	16311	2	-64.0		9	96	260	25	100	15962	1	-59.2		9	95	272	31	150	13865	1	-60.8	28.8	9	95	270	30	150	13782	1	-59.8		9	97	275	35	150	13408	1	-57.3		9	89	274	28	200	12079	0	-55.9	23.2	9	91	265	30	200	11989	0	-56.8		9	94	275	33	200	11594	0	-58.7		9	78	273	26	300	9428	0	-41.8	18.1	9	91	265	26	300	9355	0	-43.5	15.8	9	86	275	26	300	9013	0	-50.2	16.2	9	73	273	24	500	5762	0	-13.8	21.3	9	87	270	15	500	5715	0	-15.6	17.4	9	80	280	19	500	5497	0	-24.8	12.5	9	69	263	14	700	3109	0	4.8	26.8	9	68	290	7	700	3090	0	.6	20.7	9	69	280	10	700	2962	0	-7.1	16.5	9	79	256	13	850	1510	0	9.4	15.0	9	53	335	5	850	1510	0	7.6	17.1	9	42	295	5	850	1424	0	2.0	11.1	9	77	254	11	963	* 474		8.2	6.6					1017	* 20		8.7	2.5					1006	* 46		7.0	8.4																																																																																																																																																																																																																																																																																																																					

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
																											hPa
S AMERICA - UK FALKLAND ISLANDS MOUNT PLEASANT AIRPORT 88889 AUG 1999 5149S 05827W OB									ANTARCTICA - UNITED KINGDOM (ANTARCTIC) HALLEY 89022 AUG 1999 7530S 02639W OB 2									ANTARCTICA - USSR (ANTARCTIC) MIRNYJ 89592 AUG 1999 6633S 09301E OB 1									
030	23067	3	-65.6		4	98	266	62	030										030	21491	18	-79.9	3.6	9	97	272	38
050	19932	0	-64.3		1	98	266	53	050										050	18630	9	-80.4	3.2	9	96	270	30
100	15679	0	-62.2		0	97	262	41	100	14522	5	-82.6	13.9	7	76	274	8	100	14678	2	-77.2	3.3	2	93	280	17	
150	13168	0	-61.1		0	94	260	35	150	12235	3	-78.6	13.6	4	59	273	6	150	12341	1	-74.3	3.2	1	84	286	11	
200	11385	0	-61.8		0	90	257	33	200	10580	2	-74.5	13.2	3	40	282	5	200	10663	1	-72.2	3.2	1	72	294	10	
300	8840	0	-52.7		0	84	250	26	300	8162	2	-62.1	10.7	4	24	276	4	300	8231	0	-62.3	3.5	0	53	304	8	
500	5360	0	-27.6	12.4	0	84	253	18	500	4844	2	-39.5	7.4	3	27	354	4	500	4911	0	-39.0	4.5	0	50	329	6	
700	2857	0	-11.0	13.6	0	78	258	13	700	2471	2	-25.4	5.3	5	35	22	4	700	2527	0	-24.1	5.6	0	38	28	4	
850	1341	0	-2.6	10.1	0	75	250	11	850	1048	2	-20.5	4.2	6	61	47	6	850	1083	0	-19.4	4.4	0	89	82	10	
996	* 73		2.7	2.7					972	* 30		-26.1	3.1					977	* 30		-17.1	3.8					
ANTARCTICA - GERMANY (ANTARCTIC) NEUMAYER 89002 AUG 1999 7040S 00815W OB 2									ANTARCTICA - JAPAN (ANTARCTIC) SYOWA 89532 AUG 1999 6900S 03935E OB 1									ANTARCTICA - AUSTRALIA (ANTARCTIC) MAWSON 89564 AUG 1999 6736S 06252E OB 3									
030	21270	6	-87.1	13.2					030	21420	0	-84.3		0	95	270	40	030	21509	3	-80.8		5	95	266	44	
050	18470	6	-85.5	13.2					050	18596	0	-84.2		0	94	267	33	050	18647	1	-81.0		3	93	262	35	
100	14618	4	-80.9	12.6					100	14717	0	-79.2		0	88	262	23	100	14717	0	-77.2		2	88	257	23	
150	12313	2	-77.0	11.9					150	12394	0	-75.8		0	84	258	18	150	12367	0	-73.5		1	87	248	18	
200	10647	2	-73.8	11.2					200	10721	0	-72.8		0	79	255	16	200	10674	0	-70.8		1	84	249	17	
300	8229	2	-61.7	9.9					300	8283	0	-61.1		0	69	254	13	300	8219	0	-60.7		1	70	247	14	
500	4903	1	-38.6	7.6					500	4941	0	-37.7		0	58	247	9	500	4882	0	-39.1	14.4	1	59	221	8	
700	2513	1	-23.5	7.7					700	2553	0	-24.0	17.6	0	18	233	2	700	2504	0	-26.0	11.2	1	53	183	5	
850	1075	1	-17.3	5.9					850	1122	0	-19.5	10.6	0	48	48	4	850	1092	0	-22.4	12.1	2	79	102	6	
976	* 50		-19.7	2.3					986	* 21		-21.6	4.5					983	* 16		-19.2	6.9					
ANTARCTICA - AUSTRALIA (ANTARCTIC) DAVIS 89571 AUG 1999 6835N 07758W OB 3									ANTARCTICA - AUSTRALIA (ANTARCTIC) CASEY 89611 AUG 1999 6617S 11031E OB 3									SW PACIFIC - MALAYSIA (PENIN. MALAYSIA) PENANG/BAYAN LEPAS 48601 AUG 1999 0518N 10016E OB 3									
030									030	21639	8	-78.4						030	23892	26	-57.8	31.2	9	14	261	1	
050	18551	7	-81.6						050	18730	6	-78.7						050	20709	19	-62.8	29.0	9	17	60	1	
100	14632	7	-78.2						100	14762	6	-76.0						100	16551	4	-76.0	12.5	7	95	87	16	
150	12294	3	-74.6						150	12406	6	-73.0						150	14198	1	-68.1	11.5	5	98	75	30	
200	10609	3	-71.7		7	61	282	10	200	10712	6	-71.3					200	12414	1	-54.0	9.4	5	96	76	23		
300	8168	3	-61.9		7	46	299	9	300	8267	5	-61.0					300	9677	1	-31.2	7.8	4	91	80	10		
500	4859	2	-39.6	10.6	6	23	331	3	500	4932	5	-38.7	10.8	9	33	265	3	500	5859	0	-6.0	4.0	4	19	300	1	
700	2486	2	-25.9	6.4	6	49	44	5	700	2542	5	-22.7	8.2				700	3145	0	9.0	6.1	4	86	288	6		
850	1062	2	-21.0	5.7	8	84	46	10	850	1097	5	-16.9	7.3				850	1507	0	17.9	4.2	4	74	286	3		
978	* 13		-17.9	4.8					975	* 42		-15.8	3.7				1010	* 4		26.2	7.6						

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
SW PACIFIC - MALAYSIA (PENIN. MALAYSIA) KOTA BHARU 48615 AUG 1999 0610N 10217E OB 3									SW PACIFIC - MALAYSIA (PENIN. MALAYSIA) KUNUTAN 48657 AUG 1999 0337N 10313E OB 3									SW PACIFIC - SINGAPORE SINGAPORE/CHANGI AIRPORT 48698 AUG 1999 0122N 10359E OB 3								
030	23904	0	-57.3	31.3	8	34	106	2	030	23886	6	-57.2	29.5	9	82	263	7	030	23867	0	-57.5	31.2	0	93	269	11
050	20715	0	-63.6	28.9	3	44	105	2	050	20702	1	-63.1	27.7	4	51	277	4	050	20684	0	-63.3	29.3	0	92	271	10
100	16560	0	-74.1	11.9	2	96	83	18	100	16543	1	-75.8	12.8	4	87	85	12	100	16525	0	-75.3	15.1	0	67	77	8
150	14208	0	-68.0	11.9	2	16	75	27	150	14188	0	-68.0	11.8	3	94	75	25	150	14167	0	-68.0	14.1	0	94	75	23
200	12422	0	-53.8	9.4	1	96	75	21	200	12404	0	-54.1	10.0	3	94	71	20	200	12385	0	-54.5	11.1	0	96	69	21
300	9684	0	-31.0	9.4	1	90	78	10	300	9671	0	-31.4	9.1	3	89	74	10	300	9656	0	-31.8	9.9	0	91	79	10
500	5862	0	-5.8	5.4	1	16	131	1	500	5856	0	-6.3	4.3	3	5	50	1	500	5844	0	-6.5	5.7	0	48	101	2
700	3148	0	9.0	6.0	1	81	285	6	700	3144	0	8.9	4.5	3	82	280	5	700	3135	0	8.8	6.0	0	70	277	4
850	1509	0	18.3	4.9	1	91	274	6	850	1507	0	18.0	3.7	3	86	239	4	850	1499	0	17.7	4.9	0	78	207	4
1010	* 5		26.1	2.6					1009	* 16		25.1	1.6					1008	* 16		26.7	3.9				
SW PACIFIC - USA (PACIFIC OCEAN NORTH) HILO/GEN. LYMAN, HAWAII, 91285 AUG 1999 1943N 15504W OB 2									SW PACIFIC - NEW CALEDONIA NOUMEA (NLE-CALEDONIE) 91592 AUG 1999 2216S 16627E OB /									SW PACIFIC - TUVALU (NEW ZEALAND) FUNAFUTI 91643 AUG 1999 0831S 17913E OB 3								
030	23938	1	-55.5		1	99	89	18	030	23883	5	-54.9		5	64	68	5	030	23860	1	-57.6					
050	20736	1	-62.6		1	98	91	13	050	20664	0	-61.3		0	27	251	2	050	20700	1	-63.2					
100	16567	1	-73.4		1	70	116	4	100	16499	0	-72.2		0	94	272	18	100	16550	0	-75.4					
150	14179	1	-67.2		1	64	218	7	150	14088	0	-65.0		2	94	270	31	150	14190	0	-68.1					
200	12395	0	-54.7		0	62	233	7	200	12293	0	-53.6		0	94	274	38	200	12410	0	-54.5					
300	9674	0	-32.9		1	58	240	5	300	9568	0	-33.9	24.0	0	93	280	34	300	9677	0	-32.1					
500	5875	0	-6.1	33.3	1	40	133	3	500	5806	0	-9.5	23.6	1	89	282	21	500	5868	0	-2.7	7.0				
700	3168	0	8.4	28.7	0	82	98	6	700	3136	0	4.5	25.7	1	83	285	8	700	3155	0	9.5	9.4				
850	1549	0	13.2	1.4	0	81	79	4	850	1539	0	9.5	5.3	1	38	85	3	850	1520	0	17.2	11.6				
1017	* 11		21.1	1.7					1013	* 72		21.4	5.4					1012	* 2		29.9					
SW PACIFIC - FIJI NANDI 91680 AUG 1999 1745S 17727E OB 3									SW PACIFIC - FRENCH POLY. (MARQUESAS) ATUANA 91925 AUG 1999 0948S 13902W OB 3									SW PACIFIC - FRENCH POLY. (SOCIETY IS) TAHITI-FAAA 91938 AUG 1999 1733S 14937W OB 2								
030	23873	11	-56.2						030	23864	4	-58.7						030	23847	2	-56.4		3	56	286	3
050	20675	6	-62.5						050	20690	1	-63.4		9	91	269	10	050	20653	3	-63.1		3	95	278	9
100	16536	4	-74.8		6	95	273	13	100	16546	1	-74.8		5	58	304	4	100	16524	3	-75.1		6	96	271	13
150	14159	3	-67.1		4	91	265	16	150	14173	1	-67.5		3	76	272	7	150	14146	1	-67.5		3	90	267	14
200	12372	2	-54.3		3	92	264	18	200	12389	1	-54.5		2	71	286	8	200	12366	1	-55.1		2	87	260	13
300	9650	2	-32.8		3	89	270	16	300	9671	1	-33.2	26.8	3	41	296	4	300	9654	0	-34.5	23.0	1	72	273	9
500	5860	2	-7.3		3	83	294	11	500	5863	1	-4.8	35.4	3	90	83	9	500	5879	0	-7.1	24.4	2	59	282	5
700	3164	2	8.0	16.2	3	73	324	5	700	3144	1	10.3	34.6	3	75	89	6	700	3171	0	9.3	22.7	0	9	63	1
850	1538	1	15.3	4.7	2	53	50	3	850	1515	1	14.6	7.6	1	0	97	7	850	1540	0	15.9	7.3	3	56	79	3
1014	* 25		26.8	6.1					1007	* 52		27.7	7.7					1016	* 2		28.4	8.3				

UPPER AIR

AUGUST 1999

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								
			° C	° C									° C	° C									° C	° C						%	°	mps	hPa	gpm	° C	° C	%
SW PACIFIC - FRENCH POLY. (TUAMOTU IS) RIKITEA 91948 AUG 1999 2308S 13458W OB									SW PACIFIC - FRENCH POLY. (AUSTRAL IS) TUBUAI 91954 AUG 1999 2321S 14929W OB									SW PACIFIC - FRENCH POLY. (AUSTRAL IS) RAPA 91958 AUG 1999 2737S 14420W OB 3																			
030	23811	0	-54.9			1	50	293	3	030	23865	4	-55.0			6	56	296	3	030																	
050	20596	0	-62.4			2	88	276	8	050	20639	2	-61.7			3	87	268	7	050																	
100	16438	0	-72.7			2	95	269	21	100	16468	2	-72.3			3	95	267	22	100																	
150	14035	0	-66.3			1	97	271	32	150	14063	2	-66.0			3	97	267	33	150																	
200	12253	0	-56.4			1	94	266	31	200	12274	2	-55.4			3	96	268	34	200																	
300	9566	0	-36.4	18.2		1	96	272	27	300	9578	2	-35.8	18.9		3	92	269	30	300	9464	3	-37.6	16.3	6	96	269	44									
500	5819	0	-8.8	19.0		1	91	272	20	500	5829	2	-8.9	21.3		3	98	272	23	500	5736	1	-11.4	14.4	2	97	273	35									
700	3133	0	6.4	17.4		2	85	273	11	700	3141	1	6.5	16.8		2	94	270	15	700	3085	1	2.3	21.0	3	97	272	19									
850	1521	0	12.6	7.1		5	81	286	7	850	1526	0	12.8	8.8		3	76	271	7	850	1493	0	7.9	6.0	2	79	275	10									
1006	* 89		23.4	5.2						1017	* 3		23.5	5.9						1015	* 2		19.2	5.5													
SW PACIFIC - NEW ZEALAND WHENUAPAI 93112 AUG 1999 3678S 17463E OB 1									SW PACIFIC - NEW ZEALAND PARAPARAUMU AERODROME 93417 AUG 1999 4054S 17459E OB 1									SW PACIFIC - NEW ZEALAND INVERCARGILL AERODROME 93844 AUG 1999 4625S 16819W OB 1																			
030	23862	8	-52.6			8	77	258	9	030	23797	5	-53.0			5	93	263	19	030	23629	5	-53.3			4	96	262	37								
050	20585	2	-56.1			2	86	261	13	050	20513	0	-54.4			1	93	264	20	050	20363	1	-55.8			2	98	262	32								
100	16200	1	-57.1			1	95	266	21	100	16095	0	-55.4			1	95	265	23	100	15957	1	-56.4			1	97	259	27								
150	13619	0	-54.4			2	97	268	29	150	13502	0	-53.6			1	94	263	23	150	13376	0	-56.3			0	95	258	23								
200	11766	0	-52.5			2	96	269	29	200	11652	0	-54.8			1	88	260	21	200	11559	0	-59.4			0	89	249	19								
300	9139	0	-48.2			2	84	265	18	300	9065	0	-51.1			1	61	259	12	300	9010	0	-52.9			0	64	244	13								
500	5603	0	-23.3	19.9		2	66	253	10	500	5558	0	-24.8	15.9		1	54	261	8	500	5519	0	-25.8	16.0		0	60	238	9								
700	3053	0	-5.9	19.4		2	59	251	7	700	3022	0	-7.5	14.9		1	61	261	6	700	2991	0	-8.4	13.6		0	58	257	7								
850	1508	0	1.9	7.6		2	54	254	5	850	1485	0	.8	8.3		1	43	280	4	850	1461	0	-.5	5.2		0	63	258	7								
1017	* 27		13.0	4.9						1019	* 12		11.8	5.1						1017	* 4		7.5	2.1													
SW PACIFIC - NEW ZEALAND CHATHAM ISLAND 93986 AUG 1999 4357S 17634W OB 1									SW PACIFIC - NEW ZEALAND KERMADEC IS. 93997 AUG 1999 2915S 17755W OB 1									SW PACIFIC - AUSTRALIA DARWIN AIRPORT 94120 AUG 1999 1225S 13053E OB /																			
030	23670	9	-53.5							030										030	23869	4	-57.1			1	73	270	4								
050	20400	1	-55.3			5	94	262	27	050										050	20673	2	-62.9			1	93	267	8								
100	15978	0	-55.1			6	91	260	25	100	16361	3	-65.4							100	16560	0	-78.5			1	77	101	7								
150	13381	0	-54.1			7	91	257	23	150	13882	0	-61.4							150	14214	0	-68.6			1	35	81	3								
200	11539	0	-56.2			7	85	256	19	200	12066	0	-53.5			7	96	274	56	200	12432	0	-54.1			1	17	171	1								
300	8962	0	-52.6			7	67	252	14	300	9378	0	-39.1			9	95	276	51	300	9693	0	-30.7			1	43	184	3								
500	5485	0	-27.1	17.5		7	56	245	10	500	5708	0	-16.8	22.3		9	97	274	25	500	5868	0	-5.5	22.5		1	22	232	1								
700	2970	0	-9.3	14.8		5	54	258	8	700	3108	0	-1.9	24.3		5	78	265	8	700	3156	0	7.8	15.9		1	41	107	2								
850	1444	0	-1.1	5.9		7	43	261	6	850	1545	0	4.3	6.1		9	15	201	1	850	1535	0	15.2	12.3		2	98	108	9								
1010	* 48		9.8	3.6						1018	* 49		17.7	7.5						1012	* 31		24.2	6.6													

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
SW PACIFIC - AUSTRALIA GOVE AIRPORT 94150 AUG 1999 1217S 13649E OB /								SW PACIFIC - AUSTRALIA BROOME AIRPORT 94203 AUG 1999 1757S 12214E OB /								SW PACIFIC - AUSTRALIA TOWNSVILLE AERO 94294 AUG 1999 1915S 14645E OB /										
030	23864	1	-56.7		2	64	283	4	030	23858	3	-56.0		1	57	75	3	030	23878	0	-55.3		0	68	78	4
050	20673	1	-63.0		2	92	263	9	050	20658	2	-62.9		0	52	213	2	050	20669	0	-62.8		0	31	257	2
100	16556	0	-78.1		0	67	123	5	100	16560	1	-77.9		0	28	255	2	100	16542	5	-75.6		2	88	252	12
150	14209	0	-68.6		0	9	187	1	150	14203	1	-68.0		0	70	259	9	150	14161	4	-66.3		2	89	258	21
200	12426	0	-54.0		0	29	284	3	200	12417	1	-53.9		0	79	269	10	200	12364	2	-53.3		2	90	261	23
300	9689	0	-30.8		0	54	238	5	300	9681	1	-31.1		0	90	259	11	300	9634	0	-32.2		1	90	261	22
500	5867	0	-5.7	10.9	0	23	301	1	500	5859	0	-4.5	23.0	1	78	246	9	500	5843	0	-6.8	18.7	2	81	263	13
700	3153	0	8.8	17.1	0	14	260	1	700	3156	0	5.6	12.8	0	16	354	1	700	3154	0	4.7	15.1	3	25	162	2
850	1533	0	14.1	8.5	0	93	103	9	850	1541	0	16.2	16.8	0	59	85	3	850	1556	0	10.3	7.1	3	88	96	7
1010	* 54		25.5	6.3					1015	* 7		18.8	7.9					1021	* 9		22.4	9.6				
SW PACIFIC - AUSTRALIA WILLIS ISLAND 94299 AUG 1999 1618S 14959E OB /								SW PACIFIC - AUSTRALIA PORT HEDLAND PARDOO 94312 AUG 1999 2022S 11838E OB /								SW PACIFIC - AUSTRALIA ALICE SPRINGS AERO 94326 AUG 1999 2348S 13353E OB /										
030	23866	5	-55.7		5	43	58	2	030	23846	8	-55.7		9	66	91	6	030	23868	3	-55.4		5	90	79	9
050	20667	2	-62.6		2	76	280	5	050	20640	2	-63.1		3	40	159	2	050	20657	0	-61.9		2	41	119	2
100	16546	0	-76.9		0	77	239	7	100	16548	0	-77.8		1	73	265	8	100	16525	0	-74.7		0	93	256	19
150	14177	0	-67.5		0	80	258	15	150	14183	0	-67.4		1	90	272	18	150	14128	0	-65.2		0	92	256	30
200	12390	0	-54.1		0	83	271	17	200	12395	0	-53.9		1	94	273	21	200	12323	0	-52.6		0	93	254	35
300	9658	0	-31.8		0	86	269	15	300	9659	0	-31.5		1	94	270	20	300	9585	0	-32.2		0	93	258	31
500	5855	0	-6.1	14.8	0	77	281	10	500	5848	0	-5.4	22.4	1	91	261	13	500	5806	0	-9.6	12.1	0	86	254	16
700	3150	0	7.4	11.6	1	60	307	4	700	3150	0	4.6	7.7	1	47	309	4	700	3152	0	2.7	6.4	1	48	276	4
850	1537	0	12.1	7.7	0	90	121	8	850	1541	0	14.7	15.5	2	41	42	2	850	1556	0	10.4	15.1	2	37	95	3
1016	* 6		24.0	6.2					1016	* 9		18.1	11.6					959	* 546		14.5	13.9				
SW PACIFIC - AUSTRALIA MT ISA AERO 94332 AUG 1999 2041S 13929E OB /								SW PACIFIC - AUSTRALIA GERALDTON AIRPORT 94403 AUG 1999 2848S 11442E OB /								SW PACIFIC - AUSTRALIA MEEKATHARRA AIRPORT 94430 AUG 1999 2637S 11833E OB 2										
030	23850								030	23866	5	-54.0		9	63	78	5	030								
050	20647	4	-63.6		4	52	99	3	050	20635	2	-61.5		5	60	282	3	050	20639	8	-62.4		8	53	223	3
100	16533	0	-76.1		1	87	248	12	100	16435	0	-69.9		0	98	274	25	100	16481	1	-73.1		1	97	275	24
150	14155	0	-66.4		0	93	255	21	150	13994	0	-63.0		1	98	272	46	150	14072	1	-64.5		1	97	270	40
200	12360	0	-53.3		0	90	254	24	200	12180	0	-52.0		0	98	274	55	200	12266	1	-52.7		1	97	272	45
300	9625	0	-32.0		0	90	255	24	300	9451	0	-34.8		0	97	274	49	300	9534	1	-33.3		1	95	271	41
500	5829	0	-7.6	15.8	0	83	250	13	500	5732	0	-13.9	21.6	0	91	277	20	500	5773	1	-10.8	23.4	1	93	272	21
700	3155	0	3.9	11.9	0	64	196	5	700	3108	0	.5	11.2	0	61	284	8	700	3129	1	1.2	10.6	1	70	287	7
850	1553	0	12.8	15.6	0	57	95	3	850	1533	0	7.1	8.9	0	39	272	4	850	1543	1	9.1	12.0	1	20	317	2
981	* 340		20.0	18.7					1017	* 33		10.7	3.8					961	* 517		10.3	8.0				

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
SW PACIFIC - AUSTRALIA GILES 94461 AUG 1999 2502S 12817E OB /									SW PACIFIC - AUSTRALIA PERTH AIRPORT 94610 AUG 1999 3156S 11558E OB /									SW PACIFIC - AUSTRALIA EUCLA 94647 AUG 1999 3141S 12853E OB								
030	23874	4	-54.8		3	80	77	9	030	23872	8	-53.4		9	12	327	1	030	20642	4	-59.7		6	65	257	4
050	20658	2	-62.1		0	59	133	3	050	20617	4	-59.6		8	90	284	7	050	16386	1	-66.2		1	96	270	27
100	16517	1	-73.9		0	92	264	16	100	16362	0	-65.4		4	98	276	31	100	13900	0	-59.7		0	96	266	42
150	14114	1	-64.9		0	95	260	33	150	13872	0	-59.6		4	98	274	50	150	12066	0	-51.6		0	95	264	48
200	12310	0	-52.6		0	95	262	38	200	12041	0	-51.4		3	98	274	57	200	9361	0	-38.8		0	91	266	38
300	9573	0	-32.6		0	95	261	38	300	9335	0	-38.9		2	95	274	45	300	5702	0	-16.9	20.6	0	75	277	16
500	5800	0	-10.1	16.9	2	87	266	17	500	5677	0	-17.6	17.2	1	78	278	16	500	3104	0	-2.1	14.0	0	54	293	7
700	3149	0	1.7	9.3	1	60	262	5	700	3081	0	-2.3	10.6	1	63	279	9	700	1538	0	6.2	12.7	0	39	281	4
850	1554	0	11.0	17.1	3	25	32	2	850	1519	0	4.1	6.3	2	56	286	7	850	* 102		11.9	8.7				
953	* 598		13.6	13.5					1019	* 31		9.3	2.3					1011								
SW PACIFIC - AUSTRALIA COBAR 94711 AUG 1999 3129S 14550E OB /									SW PACIFIC - AUSTRALIA WILLIAMTOWN AERODROME 94776 AUG 1999 3248S 15150E OB /									SW PACIFIC - AUSTRALIA ALBANY AIRPORT 94802 AUG 1999 3456S 11748E OB /								
030									030	23915	8	-52.2		9	33	81	3	030	23849	5	-52.3		6	68	291	7
050	20626								050	20641	6	-57.5		8	44	266	3	050	20593	3	-57.9		4	93	282	12
100	16361	3	-64.3		6	95	259	22	100	16330	1	-61.3		1	96	256	20	100	16280	1	-62.1		2	98	273	31
150	13841	1	-58.1		4	94	261	36	150	13796	1	-57.1		1	95	257	32	150	13752	1	-57.4		2	97	270	44
200	12006	0	-51.4		3	92	259	41	200	11955	1	-51.9		1	91	255	35	200	11905	0	-51.6		2	96	272	50
300	9319	0	-42.0		3	82	256	29	300	9291	1	-44.7		1	77	255	22	300	9230	0	-43.1		1	91	277	35
500	5706	0	-19.3	16.5	2	63	258	11	500	5696	0	-20.3	16.0	1	52	264	8	500	5631	0	-19.8	17.7	0	76	281	16
700	3121	0	-2.8	14.7	3	50	255	5	700	3116	0	-3.3	15.1	0	41	278	4	700	3053	0	-4.0	12.9	0	61	279	9
850	1558	0	5.5	12.5	3	25	272	2	850	1558	0	4.6	7.8	1	38	296	3	850	1499	0	3.0	5.6	0	69	275	9
994	* 264		13.1	8.5					1025	* 8		13.5	4.0					1011	* 69		8.7	1.7				
SW PACIFIC - AUSTRALIA MOUNT GAMBIER AERO 94821 AUG 1999 3744S 14047E OB /									SW PACIFIC - AUSTRALIA WAGGA AIRPORT 94910 AUG 1999 3510S 14727E OB /									SW PACIFIC - AUSTRALIA HOBART AIRPORT 94975 AUG 1999 4250S 14729E OB /								
030	23872	6	-52.3		6	82	285	10	030	23883	7	-52.7		9	48	310	4	030	23788	7	-52.1		8	94	272	23
050	20597	4	-56.6		4	92	270	13	050	20617	5	-57.1		8	74	264	6	050	20499	4	-55.3		5	97	269	24
100	16243	0	-59.2		0	95	262	23	100	16282	2	-60.4		3	96	262	21	100	16096	1	-56.8		1	97	265	25
150	13688	0	-56.3		0	93	263	31	150	13742	0	-56.4		1	94	256	30	150	13526	1	-56.1		1	95	265	26
200	11849	0	-53.7		0	91	260	32	200	11897	0	-52.8		1	90	254	30	200	11698	1	-57.1		1	88	263	23
300	9220	0	-46.5		0	73	264	21	300	9250	0	-45.4		1	66	256	17	300	9116	1	-49.8		1	66	267	17
500	5652	0	-21.5	14.4	0	52	271	9	500	5671	0	-21.1	13.8	1	52	264	7	500	5589	0	-23.7	14.5	0	69	264	11
700	3085	0	-4.3	14.8	0	53	280	7	700	3099	0	-4.5	12.1	1	42	261	4	700	3042	0	-6.1	11.9	0	66	264	8
850	1532	0	3.7	10.6	0	53	288	5	850	1544	0	3.9	10.8	1	35	308	3	850	1497	0	2.1	7.6	0	66	262	7
1016	* 69		10.1	2.8					999	* 213		9.3	3.6					1018	* 27		9.7	4.0				

UPPER AIR

AUGUST 1999

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
																											hPa
SW PACIFIC - AUSTRALIA(ADDITIONAL IS.) LORD HOWE ISLAND AERO 94995 AUG 1999 3132S 15904E OB /									SW PACIFIC - AUSTRALIA(ADDITIONAL IS.) NORFOLK ISLAND AERO 94996 AUG 1999 2902S 16756E OB /									SW PACIFIC - AUSTRALIA(ADDITIONAL IS.) MACQUARIE ISLAND 94998 AUG 1999 5429S 15856E OB 3									
030									030									030	23065	4	-60.7						
050	20630	7	-58.0		7	40	242	2	050	20640	6	-58.9		8	60	251	4	050	19892	1	-61.9			9	98	268	53
100	16322	1	-62.4		0	95	261	21	100	16377	0	-65.9		3	97	269	30	100	15606	0	-61.6			9	98	270	40
150	13797	0	-57.2		0	94	262	35	150	13885	0	-59.8		0	95	273	45	150	13094	0	-61.8			9	97	273	34
200	11954	0	-51.7		0	92	263	39	200	12059	0	-52.4		0	93	274	51	200	11321	0	-64.4			9	93	275	31
300	9284	0	-43.9		1	88	264	26	300	9359	0	-39.0		0	92	277	40	300	8805	0	-54.6			9	85	284	28
500	5690	0	-20.1	16.6	0	66	250	9	500	5706	0	-17.9	15.6	0	88	269	14	500	5342	0	-28.3	11.1		9	84	279	22
700	3111	0	-3.2	17.6	0	46	246	4	700	3111	0	-1.8	12.4	0	42	260	4	700	2844	0	-11.7	10.9		9	86	282	19
850	1552	0	3.7	5.4	0	15	198	1	850	1546	0	4.6	4.1	1	17	161	2	850	1334	0	-3.7	5.5		9	86	282	16
1024	* 6		17.3	6.6					1010	* 109		16.8	6.1					1003	* 6		3.7	2.5					
SW PACIFIC - BRUNEI DARUSSALAM BRUNEI AIRPORT 96315 AUG 1999 0456N 11456E OB 3									SW PACIFIC - AUSTRALIA (OCEAN ISLANDS) COCOS ISLAND AERO 96996 AUG 1999 1211S 09649E OB 3																		
030									030	23822	4	-56.0		4	65	254	4										
050	20691		-61.7		9	99	245	5	050	20636	2	-64.7		2	94	267	9										
100	16534	17	-76.1		9	79	78	9	100	16527	0	-77.2		0	52	99	4										
150	14178	3	-68.4		6	97	74	26	150	14176	0	-68.4		0	66	39	10										
200	12398	3	-54.4		4	97	74	21	200	12395	0	-54.4		0	73	19	9										
300	9665	3	-31.6	7.1	5	92	91	9	300	9666	0	-31.9		0	63	43	5										
500	5850	3	-6.2	5.3	5	57	110	3	500	5854	0	-6.1	16.8	0	34	52	2										
700	3139	0	8.7	5.9	2	44	271	3	700	3146	0	8.8	14.1	0	55	110	3										
850	1504	1	17.9	6.1	3	68	249	4	850	1519	0	15.3	4.5	0	94	104	8										
1005	* 15		26.6	2.7					1013	* 3		25.3	3.8														

STATION LIST RECENT DATA

06030	C	AALBORG	DENMARK & FAROE IS.	08360	C	ALICANTE/ELALTET	SPAIN
04220	CT	AASIAAT (EGEDESMINDE)	GREENLAND	94326	CT	ALICE SPRINGS AERO	AUSTRALIA
40831	C	ABADAN	IRAN, ISLAMIC REP	42475	C	ALLAHABAD/BAMHRAULI	INDIA
47409	C	ABASHIRI	JAPAN	72517	C	ALLEN TOWN/A.-BETHLEHEM-.,PA.	USA
03091	C	ABERDEEN/DYCEAIRPORT	U KINGDOM	36870	CT	ALMATY	KAZAKHSTAN
03502	C	ABERPORTH	U KINGDOM	08487	C	ALMERIA/AEROPUERTO	SPAIN
41112	C	ABHA	SAUDI ARABIA	82965	T	ALTA FLORESTA (AEROPORTO)	BRAZIL
65578	C	ABIDJAN	COTE D'IVOIRE	44277	C	ALTAI	MONGOLIA
72266	C	ABILENE/MUN.,TX.	USA	51076	C	ALTAY	CHINA
41217	CT	ABU DHABI INTER. AIRPORT	U ARAB EMIRATES	42071	C	AMRITSAR	INDIA
62640	C	ABU HAMED	SUDAN	25563	C	ANADYR'	RUSSIAN FEDERATION
62795	C	ABU NA'AMA	SUDAN	67019	C	ANALALAVA	MADAGASCAR
76805	C	ACAPULCO,GRO.	MEXICO	70273	CT	ANCHORAGE/INT.	USA
80427	C	ACARIGUA	VENEZUELA	91568	C	ANEITYUM	VANUATU
65472	C	ACCRA	GHANA	17130	CT	ANKARA/CENTRAL	TURKEY
63450	C	ADDIS ABABA-BOLE	ETHIOPIA	60360	C	ANNABA	ALGERIA
60620	C	ADRAR	ALGERIA	70398	C	ANNETTEISLAND	USA
76644	C	AEROP.INTERNACIONALMERIDA,	MEXICO	84542	C	ANTA (HUARAZ)	PERU
87582	C	AEROPARQUEBS. AS. AERO	ARGENTINA	17300	C	ANTALYA	TURKEY
17190	C	AFYON	TURKEY	67083	CT	ANTANANARIVO/IVATO	MADAGASCAR
61024	C	AGADEZ	NIGER	85442	CT	ANTOFAGASTA	CHILE
61974	C	AGALEGA	MAURITIUS	47575	C	AOMORI	JAPAN
62055	C	AGEDBAIA	LIBYAN ARAB JAMAHIR	98232	C	APARRI	PHILIPPINES
42261	C	AGRA	INDIA	80084	C	APARTADO/LOSCEDROS	COLOMBIA
42647	CT	AHMADABAD	INDIA	83096	C	ARACAJU	BRAZIL
47602	C	AIKAWA	JAPAN	48462	C	ARANYAPRATHET	THAILAND
60560	C	AIN SEFRA	ALGERIA	40357	C	ARAR	SAUDI ARABIA
31168	C	AJAN	RUSSIAN FEDERATION	80099	C	ARAUCA/SANTIAGOPEREZ	COLOMBIA
47582	CT	AKITA	JAPAN	83579	C	ARAXA	BRAZIL
42933	C	AKOLA	INDIA	84752	C	AREQUIPA	PERU
72521	C	AKRON/AKRON-CANTONREG., OH.	USA	22550	CT	ARHANGEL'SK	RUSSIAN FEDERATION
04063	C	AKUREYRI	ICELAND	85406	C	ARICA	CHILE
04082	C	AKURNES	ICELAND	86330	C	ARTIGAS	URUGUAY
40420	C	AL AHSA	SAUDI ARABIA	44288	C	ARVAIHEER	MONGOLIA
41055	C	AL BAHA	SAUDI ARABIA	60452	C	ARZEW	ALGERIA
40373	C	AL QAYSUMAH	SAUDI ARABIA	47407	C	ASAHIKAWA	JAPAN
40361	C	AL-JOUF	SAUDI ARABIA	72315	C	ASHEVILLE/MUN.,NC	USA
08280	C	ALBACETE/LOSLLANOS	SPAIN	62414	CT	ASSWAN	EGYPT
94802	CT	ALBANY AIRPORT	AUSTRALIA	34880	C	ASTRAHAN'	RUSSIAN FEDERATION
72365	C	ALBUQUERQUE/INT.,NM.	USA	08011	C	ASTURIAS/AVILES	SPAIN
31004	CT	ALDAN	RUSSIAN FEDERATION	86218	C	ASUNCION/AEROPUERTO	PARAGUAY
40007	C	ALEPPO INT. AIRPORT	SYRIAN ARAB REP	65376	C	ATAKPAME	TOGO
71082	T	ALERT UA, N.W.T.	CANADA	62680	C	ATBARA	SUDAN
08359	C	ALICANTE	SPAIN	17607	T	ATHALASSA	CYPRUS

STATION LIST RECENT DATA

16716	C	ATHINAI(AIRPORT)	GREECE	44213	C	BARUUNTURUUN	MONGOLIA
72219	C	ATLANTA/MUN.,GA.	USA	98135	C	BASCO	PHILIPPINES
72407	C	ATLANTICCITY, NJ.	USA	86011	C	BASE 5 "GRAL.A.JARA"	PARAGUAY
91925	CT	ATUONA	FRENCHPOLY.	89057	C	BASE ARTUROPRAT	CHILE
35700	T	ATYRAY	KAZAKHSTAN	89059	C	BASE BERNARDOO'HIGGINS	CHILE
72218	C	AUGUSTA/BUSHFIELD, GA.	USA	60468	C	BATNA	ALGERIA
08210	C	AVILA	SPAIN	91557	C	BAUERFIELD(EFATE)	VANUATU
84673	C	AYACUCHO	PERU	44302	C	BAYAN-OVOO	MONGOLIA
08330	C	BADAJOZ/TALAVERALA REAL	SPAIN	44275	C	BAYANBULAG	MONGOLIA
30554	C	BAGDARIN	RUSSIAN FEDERATION	44352	C	BAYANDELGER	MONGOLIA
83980	C	BAGE	BRAZIL	44287	C	BAYANHONGOR	MONGOLIA
71727	C	BAGOTVILLE,QUE.	CANADA	60571	C	BECHAR	ALGERIA
98328	C	BAGUIO	PHILIPPINES	72412	C	BECKLEY(RALEIGHCTY.MUN),WV.	USA
87750	C	BAHIA BLANCA AERO	ARGENTINA	54511	CT	BEIJING	CHINA
86033	C	BAHIA NEGRA	PARAGUAY	60402	C	BEJAJA	ALGERIA
41150	C	BAHRAIN(INT. AIRPORT)	BAHRAIN	82191	C	BELEM	BRAZIL
44265	C	BAITAG	MONGOLIA	82193	T	BELEM (AEROPORTO)	BRAZIL
71926	CT	BAKER LAKE UA,N.W.T.	CANADA	03917	C	BELFAST/ALDERGROVEAIRPORT	U KINGDOM
35796	C	BALHASH	KAZAKHSTAN	43198	C	BELGAUM/SAMBRA	INDIA
17150	C	BALIKESIR	TURKEY	78583	C	BELIZE/PHILLIPGOLDSTONINTL	BELIZE
85874	C	BALMACEDA	CHILE	89050	C	BELLINGSHAUSEN	USSR
72406	C	BALTIMORE/BALTIMORE-WASHINGT	USA	03976	C	BELMULLET	IRELAND
61291	CT	BAMAKO/SENOU	MALI	83587	C	BELO HORIZONTE	BRAZIL
64660	C	BAMBARI	CENTRALAFRICAN REP	82246	C	BELTERRA	BRAZIL
71122	C	BANFF,ALTA.	CANADA	40180	C	BEN-GURIONINT. AIRPORT	ISRAEL
43295	C	BANGALORE	INDIA	60602	C	BENI ABBES	ALGERIA
64656	C	BANGASSOU	CENTRALAFRICAN REP	60518	C	BENI-SAF	ALGERIA
48455	CT	BANGKOK	THAILAND	13274	C	BEOGRAD	YUGOSLAVIA
64650	CT	BANGUI	CENTRALAFRICAN REP	64600	C	BERBERATI	CENTRALAFRICAN REP
82784	C	BARBALHA	BRAZIL	01317	C	BERGEN/FLORIDA	NORWAY
80419	C	BARCELONA	VENEZUELA	10384	C	BERLIN-TEMPELHOF	GERMANY
08181	C	BARCELONA/AEROPUERTO	SPAIN	40179	T	BET DAGAN	ISRAEL
87765	C	BARILOCHEAERO	ARGENTINA	70219	C	BETHEL/BETHELAIRPORT, AK.	USA
80440	C	BARINAS	VENEZUELA	68461	C	BETHLEHEM	SOUTH AFRICA
29838	C	BARNAUL	RUSSIAN FEDERATION	40100	C	BEYROUTH(AEROPORT)	LEBANON
80410	C	BARQUISIMETO	VENEZUELA	42971	CT	BHUBANESWAR	INDIA
82571	C	BARRADO CORDA	BRAZIL	12295	C	BIALYSTOK	POLAND
80091	C	BARRANCABERMEJA/YARIGUIES	COLOMBIA	42165	C	BIKANER	INDIA
80028	C	BARRANQUILLA/ERNESTOCORTISSO	COLOMBIA	08025	C	BILBAO/SONDICA	SPAIN
83236	C	BARREIRAS	BRAZIL	72677	C	BILLINGS/LOGANINT., MT.	USA
70026	C	BARROW/W.POST W. ROGERS	USA	72515	C	BINGHAMTON/BROOME CO., NY.	USA
70086	C	BARTER ISLAND	USA	96441	CT	BINTULU	MALAYSIA
44305	C	BARUUN-URT	MONGOLIA	61401	C	BIR MOGHREIN	MAURITANIA
44241	C	BARUUNKHARAA	MONGOLIA	64658	C	BIRAO	CENTRALAFRICAN REP

STATION LIST RECENT DATA

61075	C	BIRNI-N' KONNI	NIGER	10453	C	BROCKEN	GERMANY
41084	C	BISHA	SAUDI ARABIA	94203	CT	BROOME AIRPORT	AUSTRALIA
60525	C	BISKRA	ALGERIA	72250	C	BROWNSVILLE/INT.,TX.	USA
72764	CT	BISMARCK/MUN.,ND.	USA	96315	CT	BRUNEI AIRPORT	BRUNEIDARUSSALAM
15085	C	BISTRITA	ROMANIA	80094	C	BUCARAMANGA/PALONEGRO	COLOMBIA
01028	CT	BJORNOYA	NORWAY	15420	CT	BUCURESTI/IMH	ROMANIA
31510	C	BLAGOVESCENSK	RUSSIAN FEDERATION	12843	CT	BUDAPEST/LORINC	HUNGARY
68442	C	BLOEMFONTEIN AIRPORT	SOUTH AFRICA	87585	C	BUENOS AIRES OBSERVATORIO	ARGENTINA
74492	C	BLUE HILL OBS., MA.	USA	72528	C	BUFFALO/GREATER BUFFALO, NY.	USA
82024	C	BOA VISTA	BRAZIL	67964	C	BULAWAYO(GOETZ OBSY.)	ZIMBABWE
65510	C	BOBO-DIOULASSO	BURKINA FASO	44239	C	BULGAN	MONGOLIA
01152	CT	BODO	NORWAY	08075	C	BURGOS/VILLAFRIA	SPAIN
80222	CT	BOGOTA/ELDORADO	COLOMBIA	72617	C	BURLINGTON/INTL.,VT.	USA
29282	C	BOGUCANY	RUSSIAN FEDERATION	17116	C	BURSA	TURKEY
65338	C	BOHICON	BENIN	98330	C	CABANATUAN	PHILIPPINES
72681	C	BOISE/MUN.,ID.	USA	08261	C	CACERES	SPAIN
87640	C	BOLIVAR AERO	ARGENTINA	08452	C	CADIZ	SPAIN
83288	CT	BOM JESUS DA LAPA	BRAZIL	07027	C	CAEN	FRANCE
43057	C	BOMBAY/COLABA	INDIA	16560	CT	CAGLIARI/ELMAS	ITALY
43003	T	BOMBAY/SANTACRUZ	INDIA	94287	C	CAINES AERO	AUSTRALIA
31253	C	BOMNAK	RUSSIAN FEDERATION	84472	C	CAJAMARCA	PERU
65545	C	BONDOUKOU	COTE D'IVOIRE	80442	C	CALABOZO	VENEZUELA
23884	C	BOR	RUSSIAN FEDERATION	42807	C	CALCUTTA/ALIPORE	INDIA
60444	C	BORDJ BOU ARRERIDJ	ALGERIA	42809	T	CALCUTTA/DUMDUM	INDIA
60686	C	BORDJI B.MOKHTAR	ALGERIA	80259	C	CALI/ALFONSO BONILLA ARAGON	COLOMBIA
65516	C	BOROMO	BURKINA FASO	68618	C	CALVINIA	SOUTH AFRICA
64610	C	BOSSANGO	CENTRAL AFRICAN REP	03808	T	CAMBORNE	U KINGDOM
64605	C	BOSSEMBELE	CENTRAL AFRICAN REP	71925	T	CAMBRIDGE BAY UA, N.W.T.	CANADA
72509	C	BOSTON/LOGAN INT., MA	USA	83611	C	CAMPO GRANDE	BRAZIL
60515	C	BOU-SAADA	ALGERIA	83612	T	CAMPO GRANDE (AEROPORTO)	BRAZIL
65555	C	BOUAKE	COTE D'IVOIRE	83698	C	CAMPOS	BRAZIL
64601	C	BOUAR	CENTRAL AFRICAN REP	17112	C	CANAKKALE	TURKEY
61296	C	BOUGOUNI	MALI	71910	C	CAPE DORSET, N.W.T.	CANADA
60417	C	BOUIRA	ALGERIA	71094	C	CAPE DYER, N.W.T.	CANADA
03862	C	BOURNEMOUTH AIRPORT	U KINGDOM	72304	C	CAPE HATTERAS, NC.	USA
61461	C	BOUTILIMIT	MAURITANIA	68816	CT	CAPE TOWN INTNL. AIRPORT	SOUTH AFRICA
08575	C	BRAGANCA	PORTUGAL	16522	C	CAPO CACCIA	ITALY
83377	C	BRASILIA	BRAZIL	80416	C	CARACAS/LACARLOTA	VENEZUELA
30309	C	BRATSK	RUSSIAN FEDERATION	80415	C	CARACAS/MAIQUETIAAEROP. INT	VENEZUELA
64450	C	BRAZZAVILLE/MAYA-MAYA	CONGO	83592	C	CARATINGA	BRAZIL
07110	CT	BREST	FRANCE	83498	CT	CARAVELAS	BRAZIL
64655	C	BRIA	CENTRAL AFRICAN REP	72712	C	CARIBOU/MUN.,ME.	USA
16320	CT	BRINDISI	ITALY	82765	C	CAROLINA	BRAZIL
11723	C	BRNO/TURANY	CZECH REP	86580	C	CARRASCO	URUGUAY

STATION LIST RECENT DATA

80432	C	CARRIZAL	VENEZUELA	84531	C	CHIMBOTE	PERU
80022	C	CARTAGENA/RAFAELNUNEZ	COLOMBIA	30758	CT	CHITA	RUSSIAN FEDERATION
71818	C	CARTWRIGHT,NFLD.	CANADA	41977	T	CHITTAGONG(AMBAGAN)	BANGLADESH
60155	CT	CASABLANCA	MOROCCO	60425	C	CHLEF	ALGERIA
03967	C	CASEMENT AERODROME	IRELAND	44259	C	CHOIBALSAN	MONGOLIA
89611	CT	CASEY	AUSTRALIA	44298	C	CHOIR	MONGOLIA
72569	C	CASPER/NATRONACOUNTY I.,WY.	USA	21946	C	CHOKURDAH	RUSSIAN FEDERATION
08286	C	CASTELLON	SPAIN	47648	C	CHOSHI	JAPAN
87222	C	CATAMARCA AERO.	ARGENTINA	93780	C	CHRISTCHURCH	N ZEALAND
83676	C	CATANDUVA	BRAZIL	48517	C	CHUMPHON	THAILAND
16459	C	CATANIA/SIGONELLA	ITALY	47101	C	CHUNCHON	REP KOREA
81405	C	CAYENNE/ROCHAMBEAU	FRENCH GUIANA	71913	CT	CHURCHILLUA,MAN.	CANADA
94653	C	CEDUNA AIRPORT	AUSTRALIA	72421	C	CINCINNATI/GREATERCIN.,OH.	USA
89056	C	CENTROMET.ANTARTICO''PDTE.ED	CHILE	80444	C	CIUDAD BOLIVAR	VENEZUELA
87257	C	CERES AERO	ARGENTINA	86248	C	CIUDAD DEL ESTE	PARAGUAY
60320	C	CEUTA	SPAIN	08348	C	CIUDAD REAL	SPAIN
84444	C	CHACHAPOYAS	PERU	15120	CT	CLUJ-NAPOCA	ROMANIA
87320	C	CHAMICAL AERO	ARGENTINA	71090	C	CLYDE,N.W.T.	CANADA
48480	C	CHANTHABURI	THAILAND	82425	C	COARI	BRAZIL
72414	C	CHARLESTON/KANAWHA.,WV.	USA	94711	CT	COBAR	AUSTRALIA
72208	C	CHARLESTON/MUN.,SC.	USA	85041	C	COBIJA	BOLIVIA
72314	C	CHARLOTTE/DOUGLAS,NC.	USA	43353	T	COCHIN/WILLINGDON	INDIA
71706	C	CHARLOTTETOWN,P.E.I.	CANADA	96996	CT	COCOS ISLAND AERO	AUSTRALIA
93986	T	CHATHAM ISLAND	N ZEALAND	94791	C	COFFS HARBOUR MO	AUSTRALIA
93987	C	CHATHAM ISLANDS AWS	N ZEALAND	70316	CT	COLD BAY	USA
74494	T	CHATHAM,MA	USA	43466	C	COLOMBO	SRI LANKA
72324	C	CHATTANOOGA/LOVELLFIELD, TN	USA	86560	C	COLONIA	URUGUAY
11406	C	CHEB	CZECH REP	76458	C	COLONIA JUAN CARRAS-COMAZAT	MEXICO
47184	C	CHEJU	REP KOREA	72310	C	COLUMBIA,SC.	USA
47185	T	CHEJU UPPER/RADAR	REP KOREA	72445	C	COLUMBIA/REGIONAL,MO.	USA
56294	C	CHENGDU	CHINA	72428	C	COLUMBUS/PORTCOLUMBUS,OH.	USA
87322	C	CHEPES	ARGENTINA	63333	C	COMBOLCHA	ETHIOPIA
42515	C	CHERRAPUNJI	INDIA	76848	C	COMITAN,CHIS.	MEXICO
76750	C	CHETUMAL,Q.ROO	MEXICO	87860	CT	COMODORO RIVADAVIA AERO	ARGENTINA
72564	C	CHEYENNE,WY.	USA	82861	C	CONCEICAO DO ARAGUAIA	BRAZIL
41768	C	CHHOR	PAKISTAN	86134	C	CONCEPCION	PARAGUAY
48327	CT	CHIANG MAI	THAILAND	85682	C	CONCEPCION	CHILE
71822	C	CHIBOUGAMAUCHAPAI,QUE.	CANADA	85196	C	CONCEPCION	BOLIVIA
72530	C	CHICAGO/O'HARE,IL.	USA	72605	C	CONCORD/MUN.,NH.	USA
47971	CT	CHICHIJIMA	JAPAN	87395	C	CONCORDIA AERO	ARGENTINA
84452	C	CHICLAYO	PERU	15480	CT	CONSTANTA	ROMANIA
67693	C	CHILEKA	MALAWI	60419	C	CONSTANTINE	ALGERIA
85672	C	CHILLAN	CHILE	85470	C	COPIAPO	CHILE
38262	C	CHIMBAJ	UZBEKISTAN	71915	CT	CORAL HARBOUR UA, N.W.T.	CANADA

STATION LIST RECENT DATA

87344	CT	CORDOBA AERO	ARGENTINA	97230	C	DENPASAR/NGURAH-RAI	INDONESIA P
08410	C	CORDOBA/AEROPUERTO	SPAIN	41624	C	DERA ISMAIL KHAN	PAKISTAN
03955	C	CORK AIRPORT	IRELAND	72546	C	DES MOINES/MUN.,IA.	USA
80403	C	CORO	VENEZUELA	72537	C	DETROIT/METROPOLITANMI.	USA
72251	C	CORPUS CHRISTI/INT.,TX.	USA	40416	C	DHAHRAN	SAUDI ARABIA
87166	C	CORRIENTESAERO.	ARGENTINA	41923	T	DHAKA	BANGLADESH
17084	C	CORUM	TURKEY	44477	C	DHANKUTA	NEPAL
83552	C	CORUMBA	BRAZIL	42314	C	DIBRUGARH/MOHANBARI	INDIA
65344	C	COTONOU	BENIN	61967	T	DIEGO GARCIA	OCEAN ISLANDS
85864	C	COYHAIQUE	CHILE	61085	C	DIFFA	NIGER
15450	C	CRAIOVA	ROMANIA	65562	C	DIMBOKRO	COTE D'IVOIRE
82583	C	CRATEUS	BRAZIL	89054	C	DINAMET-URUGUAY	URUGUAY
82704	C	CRUZEIRO DO SUL	BRAZIL	63471	C	DIREDAWA	ETHIOPIA
80097	C	CUCUTA/CAMILODAZA	COLOMBIA	17280	CT	DIYARBAKIR	TURKEY
08231	C	CUENCA	SPAIN	60670	C	DJANET	ALGERIA
83361	CT	CUIABA	BRAZIL	60535	C	DJELFA	ALGERIA
80420	C	CUMANA	VENEZUELA	63125	C	DJIBOUTI	DJIBOUTI
85629	C	CURICO	CHILE	63862	C	DODOMA	U REP TANZANIA
83842	C	CURITIBA	BRAZIL	87648	C	DOLORES AERO	ARGENTINA
83840	T	CURITIBA (AEROPORTO)	BRAZIL	62650	C	DONGOLA	SUDAN
84686	C	CUZCO	PERU	65501	C	DORI	BURKINA FASO
43150	T	CWC VISHAKHAPATNAM/WALTAIR	INDIA	64910	T	DOUALA R.S.	CAMEROON
98325	C	DAGUPAN	PHILIPPINES	10486	T	DRESDEN	GERMANY
61641	CT	DAKAR/YOFF	SENEGAL	10488	C	DRESDEN-KLOTZSCHE	GERMANY
41712	C	DAL BANDIN	PAKISTAN	41194	C	DUBAI INTERNATIONALAIRPORT	U ARAB EMIRATES
44373	C	DALANZADGAD	MONGOLIA	03969	C	DUBLIN AIRPORT	IRELAND
72259	C	DALLAS-FORT WORTH/FORT.,TX.	USA	52836	C	DULAN	CHINA
42587	C	DALTONGANJ	INDIA	72745	C	DULUTH/INT.,MN.	USA
40080	C	DAMASCUS INT. AIRPORT	SYRIAN ARAB REP	89642	CT	DUMONT D'URVILLE	FRANCE
62805	C	DAMAZINE	SUDAN	68588	CT	DURBAN INTNL. AIRPORT	SOUTH AFRICA
04320	CT	DANMARKSHAVN	GREENLAND	42731	C	DWARKA	INDIA
65351	C	DAPAON	TOGO	24143	C	DZARDZAN	RUSSIAN FEDERATION
63894	C	DAR ES SALAAM AIRPORT	U REP TANZANIA	68858	C	EAST LONDON	SOUTH AFRICA
60390	C	DAR-EL-BEIDA	ALGERIA	94907	C	EAST SALE AIRPORT	AUSTRALIA
94120	CT	DARWIN AIRPORT	AUSTRALIA	62750	C	ED DUEIM	SUDAN
44256	C	DASHBALBAR	MONGOLIA	03160	C	EDINBURGH AIRPORT	U KINGDOM
71855	C	DAUPHIN,MAN.	CANADA	17050	C	EDIRNE	TURKEY
89571	CT	DAVIS	AUSTRALIA	71879	C	EDMONTON MUNICIPAL ALTA.	CANADA
72429	C	DAYTON/.COX, OH	USA	71119	T	EDMONTON STONY PLAIN, ALTA	CANADA
06260	CT	DE BILT	NETHERLANDS	40199	C	EILAT	ISRAEL
06235	C	DE KOOY	NETHERLANDS	28440	C	EKATERINBURG	RUSSIAN FEDERATION
12882	C	DEBRECEN	HUNGARY	62337	C	EL ARISH	EGYPT
65505	C	DEDOUGOU	BURKINA FASO	62760	C	EL FASHER	SUDAN
40045	C	DEIR EZZOR	SYRIAN ARAB REP	60590	C	EL GOLEA	ALGERIA

STATION LIST RECENT DATA

60540	C	EL KHEITER	ALGERIA	71946	C	FORT SIMPSON,N.W.T.	CANADA
62771	C	EL OBEID	SUDAN	71934	T	FORT SMITH UA,N.W.T.	CANADA
60559	C	EL OUED	ALGERIA	72344	C	FORT SMITH/MUN.,AR.	USA
72270	C	EL PASO/INT.,TX.	USA	72533	C	FORT WAYNE/MUN.,BAERFL.,IN.	USA
80437	C	EL VIGIA	VENEZUELA	82397	CT	FORTALEZA	BRAZIL
60367	C	EL-KALA	ALGERIA	72389	C	FRESNO/AIR TERM.,CA.	USA
60550	C	ELBAYADH	ALGERIA	02226	C	FROSON	SWEDEN
12160	C	ELBLAG	POLAND	60035	C	FUERTEVENTURA/AEROPUERTO	SPAIN
63686	C	ELDORET	KENYA	47843	C	FUKUE	JAPAN
72486	C	ELY/YELLAND,NV.	USA	47807	CT	FUKUOKA	JAPAN
76256	C	EMPALME,SON	MEXICO	91643	CT	FUNAFUTI	TUVALU
62781	C	EN NAHUD	SUDAN	08522	CT	FUNCHAL	MADEIRA
86297	C	ENCARNACION	PARAGUAY	60765	C	GABES	TUNISIA
29263	C	ENISEJSK	RUSSIAN FEDERATION	60745	C	GAFSA	TUNISIA
65257	C	ENUGU	NIGERIA	65557	C	GAGNOA	COTE D'IVOIRE
24817	C	ERBOGACEN	RUSSIAN FEDERATION	44284	C	GAIUUT	MONGOLIA
44237	C	ERDENEMANDAL	MONGOLIA	15310	C	GALATI	ROMANIA
53068	C	ERENHOT	CHINA	83746	T	GALEAO	BRAZIL
10554	C	ERFURT-BINDERSLEBEN	GERMANY	72242	C	GALVESTON,TX.	USA
17092	C	ERZINCAN	TURKEY	94926	C	GANBERRAAMO	AUSTRALIA
17096	C	ERZURUM	TURKEY	71803	C	GANDER INT.AIRPORT,NFLD.	CANADA
40800	CT	ESFAHAN	IRAN, ISLAMIC REP	57993	C	GANZHOU	CHINA
03162	C	ESKDALEMUIR	U KINGDOM	61226	C	GAO	MALI
87803	C	ESQUEL AERO	ARGENTINA	65522	C	GAOUA	BURKINA FASO
60220	C	ESSAOUIRA	MOROCCO	62120	C	GARIATEL-SHARGHIA	LIBYAN ARAB JAMAHIR
10410	T	ESSEN	GERMANY	63723	C	GARISSA	KENYA
71862	C	ESTEVAN,SASK.	CANADA	40405	C	GASSIM	SAUDI ARABIA
71917	T	EUREKA UA, N.W.T.	CANADA	42410	CT	GAUHATI	INDIA
72594	C	EUREKA,CA.	USA	61099	C	GAYA	NIGER
72432	C	EVANSVILLE/REG.,IN.	USA	62752	C	GEDAREF	SUDAN
87576	CT	EZEIZA AERO	ARGENTINA	10628	C	GEISENHEIM	GERMANY
65507	C	FADA N'GOURMA	BURKINA FASO	62770	C	GENEINA	SUDAN
70261	C	FAIRBANKS/INT.	USA	87532	C	GENERAL PICO AERO	ARGENTINA
72753	C	FARGO/HECTORFIELD, ND.	USA	06700	C	GENEVE-COINTRIN	SWITZERLAND
76698	C	FELIPE CARRILLOPUERTO, Q.RO	MEXICO	68828	C	GEORGE AIRPORT	SOUTH AFRICA
11155	C	FEUERKOGEL	AUSTRIA	81001	C	GEORGETOWN	GUYANA
10578	C	FICHTELBERG	GERMANY	94403	CT	GERALDTONAIRPORT	AUSTRALIA
72637	C	FLINT/BISHOP,MI.	USA	08184	C	GERONA/COSTABRAVA	SPAIN
82678	C	FLORIANO	BRAZIL	60566	C	GHARDAIA	ALGERIA
83897	C	FLORIANOPOLIS	BRAZIL	62212	C	GHAT	LIBYAN ARAB JAMAHIR
82212	C	FONTE BOA	BRAZIL	60517	C	GHAZAOUET	ALGERIA
87162	C	FORMOSA AERO	ARGENTINA	08495	CT	GIBRALTAR	GIBRALTAR
71932	C	FORT MCMURRAY,ALTA.	CANADA	08014	C	GIJON	SPAIN
71945	CT	FORT NELSON UA,B.C.	CANADA	94461	CT	GILES	AUSTRALIA

STATION LIST RECENT DATA

17034	C	GIRESUN	TURKEY	17285	C	HAKKARI	TURKEY
93292	C	GISBORNE AERODROMEAWS	N ZEALAND	47430	C	HAKODATE	JAPAN
41140	C	GIZAN	SAUDI ARABIA	71081	CT	HALL BEACH UA,N.W.T.	CANADA
72768	C	GLASGOW/INTL.MT.	USA	89022	CT	HALLEY	U KINGDOM
20292	C	GMO IM.E.K. FEDOROVA	RUSSIAN FEDERATION	94212	C	HALLS CREEK AMO	AUSTRALIA
43192	CT	GOA/PANJIM	INDIA	40030	C	HAMA	SYRIAN ARAB REP
87880	C	GOBERNADOR GREGORES AERO	ARGENTINA	47755	C	HAMADA	JAPAN
10499	C	GOERLITZ	GERMANY	43497	C	HAMBANTOTA	SRI LANKA
83423	C	GOIANIA	BRAZIL	10147	C	HAMBURG-FUHLBUETTEL	GERMANY
71816	CT	GOOSE UA,NFLD.	CANADA	52203	C	HAMI	CHINA
63403	C	GORE	ETHIOPIA	10338	C	HANNOVER	GERMANY
71733	C	GORE BAY,ONT.	CANADA	23933	CT	HANTY-MANSIJSK	RUSSIAN FEDERATION
02527	T	GOTEBORG/LANDVETTER	SWEDEN	02196	C	HAPARANDA	SWEDEN
02512	C	GOTEBORG/SAVE	SWEDEN	67774	T	HARARE (BELVEDERE)	ZIMBABWE
68906	CT	GOUGH ISLAND	SOUTH AFRICA	67775	C	HARARE (KUTSAGA)	ZIMBABWE
61045	C	GOURE	NIGER	02361	C	HARNOSAND	SWEDEN
94150	CT	GOVE AIRPORT	AUSTRALIA	72508	C	HARTFORD/BRADLEYINTL. CT.	USA
72476	C	GRAND JUNCTION/WALKERF.,CO.	USA	60581	C	HASSI-MESSAOUD	ALGERIA
72635	C	GRAND RAPIDS/KENTCO., MI.	USA	20891	C	HATANGA	RUSSIAN FEDERATION
78954	C	GRANTLEY ADAMS	BARBADOS	44207	C	HATGAL	MONGOLIA
11240	C	GRAZ-THALERHOF-FLUGHAFEN	AUSTRIA	78988	CT	HATO AIRPORT,CURACAO	CURACAO AND BONAIRE
16253	C	GRAZZANISE	ITALY	71935	C	HAY RIVER,N.W.T.	CANADA
72645	C	GREEN BAY/A.-STRAUBEL,WI.	USA	72772	C	HELENA/COUNTY-CITYMT.	USA
72317	C	GREENSBORO/G.-HIGHPT., NC.	USA	02974	C	HELSINKI-VANTAA	FINLAND
72312	C	GREENVILLE/SPATANBURGSC	USA	62378	CT	HELWAN	EGYPT
10184	CT	GREIFSWALD	GERMANY	03496	T	HEMSBY	U KINGDOM
08226	C	GUADALAJARA	SPAIN	16754	C	HERAKLION(AIRPORT)	GREECE
87497	C	GUALEGUAYCHUAERO	ARGENTINA	91945	C	HEREHERETUE	FRENCH POLY.
76577	C	GUANAJUATO,GTO.	MEXICO	60001	C	HIERRO/AEROPUERTO	SPAIN
80428	C	GUANARE	VENEZUELA	71066	C	HIGH LEVEL, ALTA	CANADA
59287	C	GUANGZHOU	CHINA	91285	CT	HILO/GEN. LYMAN, HAWAII,	USA
80448	C	GUASDUALITO	VENEZUELA	94975	CT	HOBART AIRPORT	AUSTRALIA
60403	C	GUELMA	ALGERIA	10962	C	HOHENPEISSENBERG	GERMANY
80423	C	GUIRIA	VENEZUELA	93615	C	HOKITIKA AERODROMEAWS	N ZEALAND
02128	C	GUNNARN	SWEDEN	91520	C	HONIARA/HENDERSON	SOLOMON ISLANDS
40360	C	GURIAT	SAUDI ARABIA	91182	C	HONOLULU,OAHU, HAWAII	USA ISLANDS
40250	C	H-4 'IRWAISHED'	JORDAN	23219	C	HOSEDA-HARD	RUSSIAN FEDERATION
31735	C	HABAROVSK	RUSSIAN FEDERATION	51828	C	HOTAN	CHINA
47678	CT	HACHIJOJIMA	JAPAN	72243	C	HOUSTON/INTERCONTI-NENTAL,	USA
76692	C	HACIENDA YLANG YLANG VER.	MEXICO	44218	C	HOVD	MONGOLIA
40373	T	HAFR AL-BATIN	SAUDI ARABIA	84564	C	HUANUCO	PERU
59758	C	HAIKOU	CHINA	08383	C	HUELVA	SPAIN
40394	CT	HAIL	SAUDI ARABIA	44285	C	HUJIRT	MONGOLIA
50527	CT	HAILAR	CHINA	72425	C	HUNTINGTON,WV	USA

STATION LIST RECENT DATA

72654	C	HURON/HURONREGIONAL,SD.	USA	83186	C	JACOBINA	BRAZIL
44232	C	HUTAG	MONGOLIA	43041	C	JAGDALPUR	INDIA
41765	C	HYDERABAD	PAKISTAN	24959	CT	JAKUTSK	RUSSIAN FEDERATION
43128	CT	HYDERABADAIRPORT	INDIA	01001	CT	JAN MAYEN	NORWAY
15090	C	IASI	ROMANIA	41024	CT	JEDDAH (KING ABDUL AZIZ INT.	SAUDI ARABIA
80214	C	IBAGUE/PERALES	COLOMBIA	60725	C	JENDOUBA	TUNISIA
08373	C	IBIZA/ES CODOLA	SPAIN	08451	C	JEREZ DE LA FRONTERA AERO.	SPAIN
32411	C	ICA	RUSSIAN FEDERATION	41598	C	JHELUM	PAKISTAN
83821	C	IGUAPE	BRAZIL	60351	C	JIJEL ACHOUAT	ALGERIA
87097	C	IGUAZU AERO	ARGENTINA	60353	C	JIJEL PORT	ALGERIA
60640	C	ILLIZI	ALGERIA	63402	C	JIMMA	ETHIOPIA
04339	CT	ILLOQQORTOORMIUT(SCORESBSYU	GREENLAND	52533	C	JIUQUAN	CHINA
98637	C	ILOILO	PHILIPPINES	41756	C	JIWANI	PAKISTAN
31416	C	IM POLINY OSIPENKO	RUSSIAN FEDERATION	83481	C	JOAO PINHEIRO	BRAZIL
64459	C	IMPFONDO	CONGO	42339	CT	JODHPUR	INDIA
60611	C	IN AMENAS	ALGERIA	02929	C	JOENSUU	FINLAND
60630	C	IN SALAH	ALGERIA	68368	C	JOHANNESBURGINT. AIRPORT	SOUTH AFRICA
60690	C	IN-GUEZZAM	ALGERIA	02963	CT	JOKIOINEN	FINLAND
72438	C	INDIANAPOLIS(I.-MUN/WEI.,IN.	USA	02550	C	JONKOPING/AXAMO	SWEDEN
42754	C	INDORE	INDIA	78762	CT	JUAN SANTAMARIA	COSTA RICA
11120	C	INNSBRUCK-FLUGHAFEN	AUSTRIA	84474	C	JUANJUI	PERU
72747	CT	INT.FALLS/FALLSINT.MN.	USA	87046	C	JUJU Y AERO	ARGENTINA
71907	CT	INUKJUAK,QUE	CANADA	84735	C	JULIACA	PERU
71957	CT	INUVIK UA,N.W.T.	CANADA	78866	CT	JULIANA AIRPORT, ST. MAARTEN	ST.MAARTEN,ST.EUST
93844	CT	INVERCARGILLAERODROME	N ZEALAND	87548	C	JUNIN AERO	ARGENTINA
80370	C	IPIALES/SAN LUIS	COLOMBIA	32150	CT	JUZHNO-SAHALINSK	RUSSIAN FEDERATION
71909	CT	IQALUIT,N.W.T.	CANADA	02935	CT	JYVASKYLA	FINLAND
84377	C	IQUITOS	PERU	67663	C	KABWE	ZAMBIA
83881	C	IRAI	BRAZIL	47827	CT	KAGOSHIMA	JAPAN
83836	C	IRATI	BRAZIL	17255	C	KAHRAMANMARAS	TURKEY
68263	T	IRENE	SOUTH AFRICA	93678	C	KAIKOURA	N ZEALAND
30710	C	IRKUTSK	RUSSIAN FEDERATION	60735	C	KAIROUAN	TUNISIA
47918	CT	ISHIGAKIJIMA	JAPAN	93012	C	KAITAIA	N ZEALAND
85469	C	ISLA DE PASCUA	CHILE	02897	C	KAJAANI	FINLAND
85585	C	ISLA JUAN FERNANDEZ	CHILE	30469	C	KALAKAN	RUSSIAN FEDERATION
17240	CT	ISPARTA	TURKEY	16726	C	KALAMATA (AIRPORT)	GREECE
17062	CT	ISTANBUL/GOZTEPE	TURKEY	25744	C	KAMENSKOE	RUSSIAN FEDERATION
82445	C	ITAITUBA	BRAZIL	40001	C	KAMISHLI	SYRIAN ARAB REP
60010	C	IZANA	SPAIN	71887	C	KAMLOOPS,B.C.	CANADA
17220	CT	IZMIR/GUZELYALT	TURKEY	47605	C	KANAZAWA	JAPAN
47800	C	IZUHARA	JAPAN	65306	C	KANDI	BENIN
72235	C	JACKSON/ALLENC. THOMP.,MS.	USA	47105	C	KANGNUNG	REP KOREA
72206	C	JACKSONVILLE/INTNL.FL.	USA	22165	C	KANIN NOS	RUSSIAN FEDERATION
41715	C	JACOBABAD	PAKISTAN	61679	C	KAOLACK	SENEGAL

STATION LIST RECENT DATA

71831	C	KAPUSKASING,ONT.	CANADA	06181	T	KOEBENHAVN/JAEGERSBORG	DENMARK & FAROE IS.
65357	C	KARA	TOGO	06186	C	KOEBENHAVN/LANDBOHOEJSKOLEN	DENMARK & FAROE IS.
41780	C	KARACHI AIRPORT	PAKISTAN	61698	C	KOLDA	SENEGAL
35394	CT	KARAGANDA	KAZAKHSTAN	29231	CT	KOLPASEVO	RUSSIAN FEDERATION
02080	C	KARESUANDO	SWEDEN	10929	C	KONSTANZ	GERMANY
62660	C	KARIMA	SUDAN	17244	C	KONYA	TURKEY
10727	C	KARLSRUHE	GERMANY	25954	C	KORF	RUSSIAN FEDERATION
02418	C	KARLSTADFLYGPLATS	SWEDEN	65536	C	KORHOGO	COTE D'IVOIRE
17098	C	KARS	TURKEY	91408	C	KOROR, PALAU IS.	USA IVOIRE
67475	C	KASAMA	ZAMBIA	62772	C	KOSTI	SUDAN
51709	C	KASHI	CHINA	42452	C	KOTA AERODROME	INDIA
62730	C	KASSALA	SUDAN	48615	CT	KOTA BHARU	MALAYSIA
10438	C	KASSEL	GERMANY	96471	C	KOTA KINABALU	MALAYSIA
17074	C	KASTAMONU	TURKEY	70133	CT	KOTZEBUE,RALPH WIEN	USA
44454	C	KATHMANDU AIRPORT	NEPAL	91577	C	KOUMAC (NLLE-CALEDONIE)	N CALEDONIA
26629	C	KAUNAS	LITHUANIA	61293	C	KOUTIALA	MALI
27595	CT	KAZAN'	RUSSIAN FEDERATION	43314	C	KOZHIKODE	INDIA
04018	CT	KEFLAVIKURFLUGVOLLUR	ICELAND	12566	C	KRAKOW	POLAND
60120	C	KENITRA	MOROCCO	60514	C	KSAR CHELLALA	ALGERIA
16641	C	KERKYRA (AIRPORT)	GREECE	48648	T	KUALA LUMPUR/PETALINGJAYA	MALAYSIA
93997	T	KERMADECIS.	N ZEALAND	48647	C	KUALA LUMPUR/SUBANG	MALAYSIA
40841	C	KERMAN	IRAN, ISLAMIC REP	48657	CT	KUANTAN	MALAYSIA
02805	C	KEVO	FINLAND	96413	CT	KUCHING	MALAYSIA
72201	C	KEY WEST/INT.,FL.	USA	62271	C	KUFRA	LIBYAN ARAB JAMAHIR
44313	C	KHALKH-GOL	MONGOLIA	56778	C	KUNMING	CHINA
41114	CT	KHAMIS MUSHAIT	SAUDI ARABIA	47418	C	KUSHIRO	JAPAN
34300	C	KHARKIV	UKRAINE	28952	CT	KUSTANAI	KAZAKHSTAN
62721	CT	KHARTOUM	SUDAN	71906	CT	KUUJUUAQ, QUE.	CANADA
60476	C	KHENCHELLA	ALGERIA	71905	C	KUUJUUARAPIK, QUE.	CANADA
61214	C	KIDAL	MALI	02869	C	KUUSAMO	FINLAND
64387	C	KIGALI	RWANDA	40582	CT	KUWAIT INT'L AIRPORT	KUWAIT
02801	C	KILPISJARVI	FINLAND	91366	C	KWAJALEIN/BUCHOLZAAF, MARSH	USA
68438	C	KIMBERLEY	SOUTH AFRICA	47158	T	KWANGJU AB	REP KOREA
40437	CT	KING KHALED INT. AIRPORT	SAUDI ARABIA	33345	C	KYIV	UKRAINE
70326	C	KING SALMON	USA	33393	C	L'VIV	UKRAINE
45004	CT	KING'S PARK	HONG KONG, CHINA	80476	C	LA CANADA	VENEZUELA
78397	C	KINGSTON/NORMANMANLEY	JAMAICA	08001	CT	LA CORUNA	SPAIN
03066	C	KINLOSS	U KINGDOM	08002	C	LA CORUNA/ALVEDRO	SPAIN
64210	C	KINSHASA/N'DJILI	DEMO. REP THE CONG	71823	T	LA GRANDE IV, QUE.	CANADA
30230	CT	KIRENSK	RUSSIAN FEDERATION	60005	C	LA PALMA/AEROPUERTO	SPAIN
61270	C	KITA	MALI	76405	C	LA PAZ, B.C.S.	MEXICO
11231	C	KLAGENFURT-FLUGHAFEN	AUSTRIA	85201	C	LA PAZ/ALTO	BOLIVIA
26509	C	KLAJPEDA	LITHUANIA	87217	C	LA RIOJA AERO.	ARGENTINA
72326	C	KNOXVILLE/MUN.,TN.	USA	71922	C	LA RONGE,SASK	CANADA

STATION LIST RECENT DATA

85488	C	LA SERENA	CHILE	08579	T	LISBOA/GAGOCOUTINHO	PORTUGAL
87534	C	LABOULAYE	ARGENTINA	08535	C	LISBOA/GEOF	PORTUGAL
96465	C	LABUAN	MALAYSIA	67743	C	LIVINGSTONE	ZAMBIA
60545	C	LAGHOUAT	ALGERIA	08084	C	LOGRONO/AGONCILLO	SPAIN
87903	C	LAGO ARGENTINO AERO	ARGENTINA	65387	C	LOME	TOGO
65201	C	LAGOS/IKEJA	NIGERIA	83766	C	LONDRINA	BRAZIL
41640	C	LAHORE CITY	PAKISTAN	94346	C	LONGREACH AIRPORT	AUSTRALIA
08508	T	LAJES/SANTARITA (ACORES)	PORTUGAL	94995	CT	LORD HOWE ISLAND AERO	AUSTRALIA
72240	C	LAKE CHARLES/MUN.,LA.	USA	72295	C	LOS ANGELES/INT.,CA.	USA
72576	C	LANDER/HUNT,WY.	USA	72423	C	LOUISVILLE/STANDIFORD,KY.	USA
60040	C	LANZAROTE/AEROPUERTO	SPAIN	48930	C	LUANG-PRABANG	LAO PDR
52889	CT	LANZHOU	CHINA	72267	C	LUBBOCK/LUBBOCK INTL, TX.	USA
98223	C	LAOAG	PHILIPPINES	42369	T	LUCKNOW/AMAUSI	INDIA
16648	C	LARISSA (AIRPORT)	GREECE	06770	C	LUGANO	SWITZERLAND
17609	C	LARNACA AIRPORT	CYPRUS	08008	C	LUGO/ROZAS	SPAIN
87563	C	LAS FLORES AERO	ARGENTINA	16597	C	LUQA	MALTA
80241	C	LAS GAVIOTAS	COLOMBIA	06590	C	LUXEMBOURG/LUXEMBOURG	LUXEMBOURG
87078	C	LAS LOMITAS	ARGENTINA	03740	C	LYNEHAM	U KINGDOM
60030	C	LAS PALMAS DE GRAN CAN./GAN.	SPAIN	71078	C	LYNN LAKE, MAN.	CANADA
72386	C	LAS VEGAS/MCCARRAN,NV.	USA	60467	C	M'SILA	ALGERIA
40022	C	LATTAKIA	SYRIAN ARAB REP	40310	C	MA'AN	JORDAN
94968	C	LAUNCESTON AIRPORT	AUSTRALIA	44294	C	MAANTI	MONGOLIA
94865	CT	LAVERTON RAAF	AUSTRALIA	82098	C	MACAPA	BRAZIL
78925	C	LE LAMENTIN	MARTINIQUE	43185	C	MACHILIPATNAM	INDIA
78897	CT	LE RAIZET, GUADELOUPE	ST.MARTIN,ST.BARTH	94367	C	MACKAY MO	AUSTRALIA
12120	CT	LEBA	POLAND	72217	C	MACON/LEWIS B.WILSON,GA.	USA
03257	C	LEEMING	U KINGDOM	94998	CT	MACQUARIE ISLAND	AUSTRALIA
98444	C	LEGASPI	PHILIPPINES	98646	C	MACTAN	PHILIPPINES
12374	T	LEGIONOWO	POLAND	40430	CT	MADINAH	SAUDI ARABIA
10469	C	LEIPZIG-SCHKEUDITZ	GERMANY	72641	C	MADISON/DANE COUNTY REGIONAL	USA
83242	C	LENCOIS	BRAZIL	43279	CT	MADRAS/MINAMBAKKAM	INDIA
08055	C	LEON/VIRGENDEL CAMINO	SPAIN	08221	CT	MADRID/BARAJAS	SPAIN
08171	C	LERIDA	SPAIN	08223	C	MADRID/CUATROVIENTOS	SPAIN
03005	CT	LERWICK	U KINGDOM	08224	C	MADRID/GETAFE	SPAIN
71874	C	LETHBRIDGE,ALTA.	CANADA	08227	C	MADRID/TORREJON	SPAIN
80398	CT	LETICIA/VASQUEZCOBO	COLOMBIA	47624	C	MAEBASHI	JAPAN
72422	C	LEXINGTON/BLUEGRASS, KY.	USA	40265	T	MAFRAQ	JORDAN
55591	CT	LHASA	CHINA	61091	C	MAGARIA	NIGER
91165	C	LIHUE, KAUAI, HAWAII	USA	85114	C	MAGDALENA	BOLIVIA
07015	C	LILLE	FRANCE	10361	C	MAGDEBURG	GERMANY
67586	C	LILONGWE INT'L AIRPORT	MALAWI	60522	C	MAGHNA	ALGERIA
84628	C	LIMA-CALLAO/AEROP.INTERNACI	PERU	61096	C	MAINE-SOROA	NIGER
10393	CT	LINDENBERG	GERMANY	67073	C	MAINTIRANO	MADAGASCAR
61627	C	LINGUERE	SENEGAL	47750	C	MAIZURU	JAPAN

STATION LIST RECENT DATA

67027	C	MAJUNGA	MADAGASCAR	60437	C	MEDEA	ALGERIA
91376	C	MAJURO/MARSHALLS. INTL	USA CAR	72597	CT	MEDFORD/MEDFORD-JACKSON COU	USA
41030	C	MAKKAH	SAUDI ARABIA	71872	C	MEDICINE HAT,ALTA.	CANADA
65271	C	MAKURDI	NIGERIA	94430	C	MEEKATHARRAAIRPORT	AUSTRALIA
48665	C	MALACCA	MALAYSIA	10548	CT	MEININGEN	GERMANY
08482	C	MALAGA/AEROPUERTO	SPAIN	60150	C	MEKNES	MOROCCO
62840	C	MALAKAL	SUDAN	60338	C	MELILLA	SPAIN
87506	C	MALARGUEAERO	ARGENTINA	86440	C	MELO	URUGUAY
03980	C	MALIN HEAD	IRELAND	61250	C	MENAKA	MALI
65548	C	MAN	COTE D'IVOIRE	87418	C	MENDOZA AERO	ARGENTINA
78741	C	MANAGUA A.C.SANDINO	NICARAGUA	80425	C	MENE GRANDE	VENEZUELA
82331	C	MANAUS	BRAZIL	56985	C	MENGZI	CHINA
82332	T	MANAUS (AEROPORTO)	BRAZIL	08314	C	MENORCA/MAHON	SPAIN
03334	C	MANCHESTER AIRPORT	U KINGDOM	86490	C	MERCEDES	URUGUAY
44341	C	MANDALGOVI	MONGOLIA	80438	C	MERIDA	VENEZUELA
43285	T	MANGALORE/PANAMBUR	INDIA	72234	C	MERIDIAN/KEY,MS.	USA
65352	C	MANGO	TOGO	62306	CT	MERSA MATRUH	EGYPT
71722	T	MANIWAKI,QUE.	CANADA	17340	C	MERSIN	TURKEY
03797	C	MANSTON	U KINGDOM	16420	C	MESSINA	ITALY
76654	C	MANZANILLO,COL.	MEXICO	76680	C	MEXICO (CENTRAL),D.F.	MEXICO
87774	C	MAQUINCHAO	ARGENTINA	72202	C	MIAMI, FL.	USA
87692	C	MAR DEL PLATA AERO	ARGENTINA	60195	C	MIDELT	MOROCCO
82562	C	MARABA	BRAZIL	72265	C	MIDLAND/MIDLANDREG., TX.	USA
80407	C	MARACAIBO-LACHINITA	VENEZUELA	16080	T	MILANO/LINATE	ITALY
80413	C	MARACAY - B.A. SUCRE	VENEZUELA	94693	C	MILDURA AIRPORT	AUSTRALIA
61080	C	MARADI	NIGER	60430	C	MILIANA	ALGERIA
87467	C	MARCOS JUAREZ AERO	ARGENTINA	72640	C	MILWAUKEE/GEN.MITCHELL, WI.	USA
16325	C	MARINA DI GINOSA	ITALY	47945	CT	MINAMIDAITOJIMA	JAPAN
68994	CT	MARION ISLAND	SOUTH AFRICA	47991	CT	MINAMITORISHIMA	JAPAN
86068	C	MARISCAL ESTIGARRIBIA	PARAGUAY	43369	CT	MINICOY	INDIA
72743	C	MARQUETTE,MI.	USA	65123	C	MINNA	NIGERIA
60230	C	MARRAKECH	MOROCCO	72658	C	MINNEAPOLIS/ST.PAULINTL,MN.	USA
61996	T	MARTIN DE VIVIES (ILE AMSTER	OCEAN ISLANDS	26850	C	MINSK	BELARUS
60506	C	MASCARA METMORE	ALGERIA	29866	C	MINUSINSK	RUSSIAN FEDERATION
40745	CT	MASHHAD	IRAN, ISLAMIC REP	96449	C	MIRI	MALAYSIA ERATION
41288	C	MASIRAH	OMAN	89592	CT	MIRNYJ	USSR N
61630	C	MATAM	SENEGAL	72773	C	MISSOULA/JOHNSON-BELLF.,MT.	USA
47741	C	MATSUE	JAPAN	62016	C	MISURATA	LIBYAN ARAB JAMAHIR
47618	C	MATSUMOTO	JAPAN	47585	C	MIYAKO	JAPAN
47887	C	MATSUYAMA	JAPAN	47927	C	MIYAKOJIMA	JAPAN
80435	C	MATURIN	VENEZUELA	47830	C	MIYAZAKI	JAPAN
89564	CT	MAWSON	AUSTRALIA	64665	C	MOBAYE	CENTRAL AFRICAN REP
70231	C	MCGRATH	USA	72223	C	MOBILE/BATESFIELD, AL.	USA
60549	C	MECHERIA	ALGERIA	30673	C	MOGOCA	RUSSIAN FEDERATION

STATION LIST RECENT DATA

47165	C	MOKPO	REP KOREA	42867	CT	NAGPUR SONEGAON	INDIA
72544	C	MOLINE/QUADCITY, IL.	USA	47936	CT	NAHA	JAPAN
89542	C	MOLODEZNAJA	USSR	63740	C	NAIROBI/KENYATTA AIRPORT	KENYA
76342	C	MONCLOVA, COAH.	MEXICO	41128	C	NAJRAN	SAUDI ARABIA
67633	C	MONGU	ZAMBIA	48431	C	NAKHON RATCHASIMA	THAILAND
87393	C	MONTE CASEROS AERO	ARGENTINA	48400	C	NAKHONSAWAN	THAILAND
08003	C	MONTEFARO	SPAIN	62002	C	NALUT	LIBYAN ARAB JAMAHIR
78388	C	MONTEGO BAY/SANGSTER	JAMAICA	58606	C	NANCHANG	CHINA
76393	C	MONTERREY, N.L.	MEXICO	91680	CT	NANDI	FIJI
83437	C	MONTES CLAROS	BRAZIL	59431	C	NANNING	CHINA
72226	C	MONTGOMERY/DANNELLYAL.	USA	23205	C	NAR' JAN-MAR	RUSSIAN FEDERATION
71627	C	MONTREAL/DORVALINT'L, QUE	CANADA	04270	T	NARSARSUAQ	GREENLAND
71836	T	MOOSONEE, ONT.	CANADA	72327	CT	NASHVILLE/METROPOLITAN, TN.	USA
61265	C	MOPTI	MALI	78073	C	NASSAU AIRPORT	BAHAMAS
76665	C	MORELIA, MICH.	MEXICO	82598	C	NATAL	BRAZIL
08397	C	MORON DE LA FRONTERA	SPAIN	71813	C	NATASHQUAN, QUE.	CANADA
27612	CT	MOSKVA	RUSSIAN FEDERATION	65319	C	NATITINGOU	BENIN
60457	C	MOSTAGANEM VILLE	ALGERIA	91683	C	NAUSORI	FIJI
64706	C	MOUNDOU	CHAD	08215	C	NAVACERRADA	SPAIN
94821	CT	MOUNT GAMBIER AERO	AUSTRALIA	47909	CT	NAZE	JAPAN
88889	CT	MOUNT PLEASANT AIRPORT	UK FALKLAND ISLANDS	64700	CT	NDJAMENA	CHAD
63619	C	MOYALE	KENYA	80315	C	NEIVA/BENITOSALAS	COLOMBIA
94332	CT	MT ISA AERO	AUSTRALIA	61497	C	NEMA	MAURITANIA
63971	C	MTWARA	U REP TANZANIA	47420	CT	NEMURO	JAPAN
10870	C	MUENCHEN, FLUGHAFEN	GERMANY	10280	C	NEUBRANDENBURG	GERMANY
10868	T	MUENCHEN-OBERSCHLEISSHEIM	GERMANY	89002	CT	NEUMAYER	GERMANY
17292	C	MUGLA	TURKEY	87715	C	NEUQUENA AERO	ARGENTINA
42147	C	MUKTESHWARKUMAON	INDIA	10270	C	NEURUPPIN	GERMANY
41675	C	MULTAN	PAKISTAN	42182	CT	NEW DELHI/SAFDARJUNG	INDIA
08430	CT	MURCIA	SPAIN	72231	C	NEW ORLEANS/MOISANTINT., LA	USA
08429	C	MURCIA/ALCANTARILLA	SPAIN	93309	C	NEW PLYMOUTH AWS	N ZEALAND
08433	C	MURCIA/SAN JAVIER	SPAIN	72503	C	NEW YORK/LA GUARDIA, NY.	USA
44231	C	MUREN	MONGOLIA	61052	CT	NIAMEY-AERO	NIGER
22113	CT	MURMANSK	RUSSIAN FEDERATION	17250	C	NIGDE	TURKEY
47899	C	MUROTOMISAKI	JAPAN	02942	C	NIINISALO	FINLAND
72636	C	MUSKEGON/COUNTY, MI.	USA	32618	C	NIKOL'SKOE	RUSSIAN FEDERATION
41006	C	MUWAIH	SAUDI ARABIA	31369	C	NIKOLAEVSK-NA-AMURE	RUSSIAN FEDERATION
63756	C	MWANZA	U REP TANZANIA	98429	C	NINOY AQUINO INTER- NATIONAL	PHILIPPINES
25399	C	MYS UELEN	RUSSIAN FEDERATION	61230	C	NIORO DU SAHEL	MALI
64654	C	N'DELE	CENTRAL AFRICAN REP	70200	CT	NOME	USA
61049	C	N'GUIGMI	NIGER	94996	CT	NORFOLK ISLAND AERO	AUSTRALIA
60557	C	NAAMA	ALGERIA	72308	C	NORFOLK/INT., VA.	USA
47817	C	NAGASAKI	JAPAN	72556	C	NORFOLK/KARLSTEFAN, NE.	USA
47636	C	NAGOYA	JAPAN	71043	CT	NORMAN WELLS UA, N.W.T.	CANADA

STATION LIST RECENT DATA

71731	C	NORTH BAY,ONT.	CANADA	02875	C	OULU	FINLAND
72562	CT	NORTH PLATTE/LEEBIRD, NE.	USA	60421	C	OUM EL BOUAGHI	ALGERIA
61415	C	NOUADHIBOU	MAURITANIA	08015	C	OVIEDO	SPAIN
61442	C	NOUAKCHOTT	MAURITANIA	47663	C	OWASE	JAPAN
91592	CT	NOUMEA (NLLE-CALEDONIE)	N CALEDONIA	91765	CT	PAGO PAGO/INT. AIRPORT	SAMOA
16064	C	NOVARA/CAMERI	ITALY	48955	C	PAKSE	LAO PDR
89512	CT	NOVOLAZAREVSKAJA	USSR	96221	C	PALEMBANG/TALANGBETUTU	INDONESIA
10763	C	NUERNBERG	GERMANY	16410	C	PALERMO BOCCADIFALCO	ITALY
04250	C	NUUK (GODTHAAB)	GREENLAND	08301	CT	PALMA DE MALLORCA	SPAIN
64659	C	OBO	CENTRAL AFRICAN REP	08306	C	PALMA DE MALLORCA/SONSAN JU	SPAIN
33837	C	ODESA	UKRAINE	80479	C	PALMICHAL	VENEZUELA
65528	C	ODIENNE	COTE D'IVOIRE	40061	C	PALMYRA	SYRIAN ARAB REP
31088	C	OHOTSK	RUSSIAN FEDERATION	43363	C	PAMBAN	INDIA
47815	C	OITA	JAPAN	08085	C	PAMPLONA/NOAIN	SPAIN
24688	C	OJMJAKON	RUSSIAN FEDERATION	41739	C	PANJGUR	PAKISTAN
24125	CT	OLENEK	RUSSIAN FEDERATION	41560	C	PARACHINAR	PAKISTAN
72792	C	OLYMPIA, WA.	USA	65330	C	PARAKOU	BENIN
47655	C	OMAEZAKI	JAPAN	87374	C	PARANA AERO	ARGENTINA
44215	C	OMNO-GOBI	MONGOLIA	93417	CT	PARAPARAUMU AERODROME	N ZEALAND
28698	CT	OMSK	RUSSIAN FEDERATION	82287	C	PARNAIBA	BRAZIL
47598	C	ONAHAMA	JAPAN	87814	C	PASO DE INDIOS	ARGENTINA
91699	C	ONO-I-LAU	FIJI	87289	C	PASO DE LOS LIBRES AERO	ARGENTINA
87016	C	ORAN AERO	ARGENTINA	86460	C	PASO DE LOS TOROS	URUGUAY
60461	C	ORAN PORT	ALGERIA	80342	C	PASTO/ANTONIONARINO	COLOMBIA
60490	C	ORAN/ES SENIA	ALGERIA	42492	T	PATNA	INDIA
35121	CT	ORENBURG	RUSSIAN FEDERATION	82791	C	PATOS	BRAZIL
08048	C	ORENSE	SPAIN	06610	T	PAYERNE	SWITZERLAND
01241	CT	ORLAND	NORWAY	12942	C	PECS/POGANY	HUNGARY
72205	C	ORLANDO/JETPORT,FL.	USA	86097	C	PEDRO JUAN CABALLERO	PARAGUAY
47772	C	OSAKA	JAPAN	87544	C	PEHUAJO AERO	ARGENTINA
47122	T	OSAN AB	REP KOREA	91554	C	PEKOA AIRPORT (SANTO)	VANUATU
47675	C	OSHIMA	JAPAN	48601	CT	PENANG/BAYANLEPAS	MALAYSIA
01384	C	OSLO/GARDERMOEN	NORWAY	72688	C	PENDLETON,OR.	USA
85782	C	OSORNO	CHILE	72532	C	PEORIA/GREATER PEORIA, IL.	USA
11782	C	OSTRAVA/MOSNOV	CZECH REP	80210	C	PEREIRA/MATECANA	COLOMBIA
20674	CT	OSTROV DIKSON	RUSSIAN FEDERATION	87852	C	PERITO MORENO AERO	ARGENTINA
21432	CT	OSTROV KOTEL'NYJ	RUSSIAN FEDERATION	94610	CT	PERTH AIRPORT	AUSTRALIA
20069	C	OSTROV VIZE	RUSSIAN FEDERATION	41530	C	PESHAWAR	PAKISTAN
65503	C	OUAGADOUGOU	BURKINA FASO	82983	CT	PETROLINA	BRAZIL
65502	C	OUAHIGOUYA	BURKINA FASO	32540	T	PETROPAVLOVSK-KAMCATSKIJ	RUSSIAN FEDERATION
60580	C	OUARGLA	ALGERIA	72408	C	PHILADELPHIA/INT.,PA.	USA
60265	C	OUARZAZATE	MOROCCO	48378	C	PHITSANULOK	THAILAND
64458	C	OUESSO	CONGO	72278	C	PHOENIX/SKY HARBOR INTL, AZ.	USA
60115	C	OUIDA	MOROCCO	48565	T	PHUKET AIRPORT	THAILAND

STATION LIST RECENT DATA

78970	CT	PIARCO INT. AIRPORT,TRINIDAD	TRINIDAD AND TOBAGO	12330	C	POZNAN	POLAND
68174	C	PIETERSBURG	SOUTH AFRICA	48500	C	PRACHUAPKHIRIKHAN	THAILAND
87679	C	PIGUE AERO	ARGENTINA	11520	CT	PRAHA-LIBUS	CZECH REP
86255	C	PILAR	PARAGUAY	11518	C	PRAHA/RUZYNE	CZECH REP
87349	C	PILAR OBSERVATORIO	ARGENTINA	16245	T	PRATICA DI MARE	ITALY
16158	C	PISA/S. GIUSTO	ITALY	86065	C	PRATS-GIL	PARAGUAY
84691	C	PISCO	PERU	68262	C	PRETORIA	SOUTH AFRICA
72520	C	PITTSBURGH/GREATERPITT.,PA.	USA	71869	C	PRINCE ALBERT,SASK.	CANADA
84401	C	PIURA	PERU	71896	C	PRINCE GEORGE,B.C.	CANADA
61990	C	PLAISANCE(MAURITIUS)	MAURITIUS	04390	C	PRINS CHRISTIANSUND	GREENLAND
65518	C	PO	BURKINA FASO	72507	C	PROVIDENCE/GREENSTATE, RI.	USA
72578	C	POCATELLO/NUM.,ID.	USA	80002	C	PROVIDENCIA (ISLA)/EL EMBRUJ	COLOMBIA
13463	C	PODGORICA-GRAD	YUGOSLAVIA	84515	C	PUCALLPA	PERU
47138	CT	POHANG	REP KOREA	85574	C	PUDAHUEL	CHILE
64400	C	POINTE-NOIRE	CONGO	80457	C	PUERTO AYACUCHO	VENEZUELA
20046	C	POLARGMO IM. E.T. KRENKELJA	RUSSIAN FEDERATION	80139	C	PUERTO CARRENO/A.GUAUQUEA	COLOMBIA
91348	C	PONAPE, CAROLINE ISLANDS.	USA FEDERATION	86086	C	PUERTO CASADO	PARAGUAY
71095	C	POND INLET, N.W.T.	CANADA	87896	C	PUERTO DESEADO AERO	ARGENTINA
08053	C	PONFERRADA	SPAIN	78767	C	PUERTO LIMON	COSTA RICA
08044	C	PONTEVEDRA	SPAIN	84658	C	PUERTO MALDONADO	PERU
43063	C	POONA	INDIA	85799	CT	PUERTO MONTT	CHILE
11952	T	POPRAD-GANOVCE	SLOVAKIA	78458	C	PUERTO PLATA	DOMINICAN REP
11934	C	POPRAD/TATRY	SLOVAKIA	85934	CT	PUNTA ARENAS	CHILE
80421	C	PORLAMAR (AEROPUERTO INT. DE	VENEZUELA	78760	C	PUNTARENAS	COSTA RICA
43333	CT	PORT BLAIR	INDIA	47159	C	PUSAN	REP KOREA
68842	CT	PORT ELIZABETH	SOUTH AFRICA	56137	C	QAMDO	CHINA
71109	CT	PORT HARDY UA,B.C.	CANADA	54857	C	QINGDAO	CHINA
94312	CT	PORT HEDLAND PARDOO	AUSTRALIA	50745	C	QIQIHAR	CHINA
62641	C	PORT SUDAN	SUDAN	71103	C	QUESNEL,B.C.	CANADA
78437	C	PORT-AU-PRINCE(DAMIEN)	HAITI	41660	C	QUETTA AIRPORT	PAKISTAN
71197	C	PORT-AUX-BASQUES,NFLD.	CANADA	80144	C	QUIBDO/EL CARANO	COLOMBIA
61998	T	PORT-AUX-FRANCAIS(ILES KERG	OCEAN ISLANDS	72797	C	QUILLAYUTE,WA.	USA
64501	C	PORT-GENTIL	GABON	85543	CT	QUINTERO	CHILE
72698	C	PORTLAND/INT.,OR.	USA	82586	C	QUIXERAMOBIM	BRAZIL
72606	C	PORTLAND/INTNL.JET PORT, ME	USA	60135	C	RABAT-SALE	MOROCCO
83967	C	PORTO ALEGRE	BRAZIL	40362	C	RAFHA	SAUDI ARABIA
83971	T	PORTO ALEGRE (AERO- PORTO)	BRAZIL	72306	C	RALEIGH/RALEIGH-DURHAMNC.	USA
83064	C	PORTO NACIONAL	BRAZIL	93994	C	RAOUL ISLAND KERMADECIS.	N ZEALAND
82825	C	PORTO VELHO	BRAZIL	91958	CT	RAPA	FRENCH POLY.
82824	T	PORTO VELHO (AEROPORTO)	BRAZIL	72662	C	RAPID CITY/REGIONAL AIRPORT,	USA
08546	C	PORTO/SERRADO PILAR	PORTUGAL	91843	C	RAROTONGA	COOK ISLANDS
87178	C	POSADAS AERO.	ARGENTINA	22602	C	REBOLY	RUSSIAN FEDERATION
83332	C	POSSE	BRAZIL	82900	CT	RECIFE (CURADO)	BRAZIL
10379	C	POTSDAM	GERMANY	87270	C	RECONQUISTA AERO	ARGENTINA

STATION LIST RECENT DATA

71863	C	REGINA,SASK.	CANADA	08202	C	SALAMANCA/MATACAN	SPAIN
72488	C	RENO/INT.,NV.	USA	23330	CT	SALEHARD	RUSSIAN FEDERATION
87155	C	RESISTENCIA AERO.	ARGENTINA	72572	C	SALT LAKE CITY/INTL,UT.	USA
71924	CT	RESOLUTEUA, N.W.T.	CANADA	87047	C	SALTA AERO	ARGENTINA
08175	C	REUS/AEROPUERTO	SPAIN	76390	C	SALTILLO,COAH	MEXICO
04030	C	REYKJAVIK	ICELAND	86360	C	SALTO	URUGUAY
85043	C	RIBERALTA	BOLIVIA	86210	C	SALTOS DEL GUAIRA	PARAGUAY
72401	C	RICHMOND/BYRD,VA.	USA	83229	CT	SALVADOR	BRAZIL
91948	C	RIKITEA	FRENCH POLY.	11150	C	SALZBURG-FLUGHAFEN	AUSTRIA
16149	C	RIMINI	ITALY	35925	C	SAM	KAZAKHSTAN
44203	C	RINCHINHUMBE	MONGOLIA	17030	CT	SAMSUN	TURKEY
82915	C	RIO BRANCO	BRAZIL	61277	C	SAN	MALI
87453	C	RIO CUARTO AERO	ARGENTINA	80001	CT	SAN ANDRES (ISLA)/SESQUICENT	COLOMBIA
87925	C	RIO GALLEGOS AERO	ARGENTINA	72263	C	SAN ANGELO/MATHIS,TX.	USA
80035	T	RIOHACHA/ALMIRANTEPADILLA	COLOMBIA	80447	C	SAN ANTONIODEL 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
86565	C	ROCHA	URUGUAY	80450	C	SAN FERNANDO DE APURE	VENEZUELA
72644	C	ROCHESTER/MUN.,MN.	USA	72494	C	SAN FRANCISCO/INTL,CA.	USA
72529	C	ROCHESTER/R-MONROECTY., NY.	USA	85104	C	SAN JOAQUIN	BOLIVIA
94374	CT	ROCKHAMPTON AERO	AUSTRALIA	87311	C	SAN JUAN AERO	ARGENTINA
61988	C	RODRIGUES	MAURITIUS	86260	C	SAN JUAN BAUTISTA MISIONES	PARAGUAY
06190	C	ROENNE	DENMARK & FAROE IS.	80431	C	SAN JUAN DE LOS MORROS	VENEZUELA
87480	C	ROSARIO AERO	ARGENTINA	78526	C	SAN JUAN/INTL, PUERTO RICO	PUERTO RICO AND US
03957	C	ROSSLARE	IRELAND	87909	C	SAN JULIAN AERO	ARGENTINA
10170	C	ROSTOCK-WARNEMUENDE	GERMANY	87436	C	SAN LUIS AERO	ARGENTINA
34731	T	ROSTOV-NA-DONU	RUSSIAN FEDERATION	87509	C	SAN RAFAEL AERO	ARGENTINA
08449	C	ROTA	SPAIN	08029	C	SAN SEBASTIAN/FUENTERRABIA	SPAIN
93247	C	ROTORUA AERODROME	N ZEALAND	08027	C	SAN SEBASTIAN/IGUELDO	SPAIN
91650	C	ROTUMA	FIJI	96491	C	SANDAKAN	MALAYSIA
51777	C	RUOQIANG	CHINA	71101	C	SANDSPIT,B.C.	CANADA
85141	C	RURRENABAQUE	BOLIVIA	17270	C	SANLIURFA	TURKEY
71600	CT	SABLE ISLAND,N.S.	CANADA	85123	C	SANTA ANA	BOLIVIA
72483	C	SACRAMENTO/EXECUTIVECA.	USA	60020	CT	SANTA CRUZ DE TENE- RIFE, CM	SPAIN
06680	C	SAENTIS	SWITZERLAND	80462	C	SANTA ELENA DE UAIREN	VENEZUELA
42671	C	SAGAR	INDIA	08515	C	SANTA MARIA (ACORES)	PORTUGAL
60536	C	SAIDA	ALGERIA	80009	C	SANTA MARTA/SIMON BOLIVAR	COLOMBIA
47740	C	SAIGO	JAPAN	87623	C	SANTA ROSA AERO	ARGENTINA
44336	C	SAIKHAN-OVOO	MONGOLIA	08023	CT	SANTANDER	SPAIN
61600	C	SAINT-LOUIS	SENEGAL	08021	C	SANTANDER/PARAYAS	SPAIN
71805	C	SAINT-PIERRE	ST. PIERRE AND MIQU	87129	C	SANTIAGO DEL ESTERO AERO.	ARGENTINA
08594	T	SAL ISLAND	CAPE VERDE	85577	C	SANTIAGO QUINTA NORMAL	CHILE
41316	CT	SALALAH	OMAN	08042	C	SANTIAGO/LABACOLLA	SPAIN

STATION LIST RECENT DATA

78486	C	SANTO DOMINGO	DOMINICAN REP	26524	C	SIAULIAI	LITHUANIA
82106	C	SAO GABRIEL DA CACHOEIRA	BRAZIL	15260	C	SIBIU	ROMANIA
82280	C	SAO LUIZ	BRAZIL	96421	C	SIBU	MALAYSIA
83781	C	SAO PAULO	BRAZIL	60520	C	SIDI BEL ABBES	ALGERIA
83780	T	SAO PAULO (AEROPOR- TO)	BRAZIL	17210	C	SIIRT	TURKEY
47412	CT	SAPPORO	JAPAN	61297	C	SIKASSO	MALI
34172	C	SARATOV	RUSSIAN FEDERATION	42619	C	SILCHAR	INDIA
48952	C	SARAVANE	LAO PDR	33946	C	SIMFEROPOL'	UKRAINE
64750	C	SARH	CHAD	48698	CT	SINGAPORE/CHANGIAIRPORT	SINGAPORE
65599	C	SASSANDRA	COTE D'IVOIRE	72557	C	SIoux CITY/MUN.,IA.	USA
72207	C	SAVANNAH/MUNICIPAL,GA.	USA	72651	C	SIoux FALLS/FOSS FIELD, SD.	USA
48947	C	SAVANNAKHET	LAO PDR	71842	C	SIoux LOOKOUT,ONT.	CANADA
65335	C	SAVE	BENIN	62019	C	SIRTE	LIBYAN ARAB JAMAHIR
48938	C	SAYABOURY	LAO PDR	17090	C	SIVAS	TURKEY
71828	C	SCHEFFERVILLE,QUE.	CANADA	60355	C	SKIKDA	ALGERIA
10035	CT	SCHLESWIG	GERMANY	71069	C	SLAVE LAKE, ALTA	CANADA
10162	C	SCHWERIN	GERMANY	11903	C	SLIAC	SLOVAKIA
72793	C	SEATTLE/S.-TACOMA,WA.	USA	71950	C	SMITHERS,B.C.	CANADA
62124	C	SEBHA	LIBYAN ARAB JAMAHIR	02836	CT	SODANKYLA	FINLAND
41256	CT	SEEB, INTERNATIONALAIRPORT	OMAN	15614	CT	SOFIA (OBSERV.)	BULGARIA
08213	C	SEGOVIA	SPAIN	65361	C	SOKODE	TOGO
25703	CT	SEJMCHAN	RUSSIAN FEDERATION	63962	C	SONGEA	U REP TANZANIA
36177	C	SEMIPALATINSK	KAZAKHSTAN	48568	CT	SONGKHLA	THAILAND
62762	C	SENNAR	SUDAN	11146	C	SONNBlick	AUSTRIA
48948	C	SENO	LAO PDR	76499	C	SOTO LA MARINA, TAMPS.	MEXICO
47108	C	SEOUL	REP KOREA	16746	C	SOUDA (AIRPORT)	GREECE
71811	CT	SEPT-ILES UA,QUE.	CANADA	60423	C	SOUK AHRAS	ALGERIA
60445	C	SETIF	ALGERIA	72535	C	SOUTH BEND/ST.JOSEPHCO.,IN.	USA
08391	C	SEVILLA/SANPABLO	SPAIN	72785	C	SPOKANE/INT.,WA.	USA
63980	C	SEYCHELLESINT. AIRPORT	SEYCHELLES	68512	CT	SPRINGBOK	SOUTH AFRICA
63985	T	SEYCHELLESINT. AIRPORT	SEYCHELLES	72439	C	SPRINGFIELD/CAPITAL,IL.	USA
62056	C	SHAHAT	LIBYAN ARAB JAMAHIR	42027	CT	SRINAGAR	INDIA
58362	CT	SHANGHAI	CHINA	61986	C	ST. BRANDON(ST. RAPHAEL)	MAURITIUS
03962	C	SHANNON AIRPORT	IRELAND	61901	CT	ST. HELENA IS.	OCEAN ISLANDS
59316	C	SHANTOU	CHINA	72434	C	ST. LOUIS/LAMBERT,ST., MO.	USA
41136	C	SHARURAH	SAUDI ARABIA	70308	C	ST. PAUL	USA
71601	C	SHEARWATER,N.S.	CANADA	26063	CT	ST. PETERBURG	RUSSIAN FEDERATION
70414	T	SHEMYA AFB	USA	11028	C	ST. POELTEN	AUSTRIA
54342	C	SHENYANG	CHINA	71801	T	ST.JOHN'S UA,NLFD	CANADA
72666	C	SHERIDAN/COUNTY,WY.	USA	83997	C	ST.VITORIADO PALMAR	BRAZIL
47898	C	SHIMIZU	JAPAN	04312	C	STATION NORD AWS	GREENLAND
47778	CT	SHIONOMISAKI	JAPAN	01415	CT	STAVANGER/SOLA	NORWAY
40848	CT	SHIRAZ	IRAN, ISLAMIC REP	71815	CT	STEPHENVILLEUA,NFLD	CANADA
72248	C	SHREVEPORT/REG.,LA.	USA	72403	T	STERLING, VA.	USA

STATION LIST RECENT DATA

80475	C	STO.DOMINGO(B.A.)	VENEZUELA	76548	C	TAMPICO, TAMPS	MEXICO
02485	C	STOCKHOLM	SWEDEN	87645	C	TANDIL AERO	ARGENTINA
03026	CT	STORNOWAY	U KINGDOM	47837	C	TANEGASHIMA	JAPAN
10738	C	STUTTGART-ECHTERDINGEN	GERMANY	60101	C	TANGER(AERODROME)	MOROCCO
10739	CT	STUTTGART/SCHNARRENBERG	GERMANY	76903	C	TAPACHULA,CHIS.	MEXICO
15360	C	SULINA	ROMANIA	84455	C	TARAPOTO	PERU
97260	C	SUMBAWA BESAR/SUMBAWABESAR	INDONESIA	44230	C	TARIALAN	MONGOLIA
02365	T	SUNDSVALL-HARNOSANDFPL	SWEDEN	23552	C	TARKO-SALE	RUSSIAN FEDERATION
24738	C	SUNTAR	RUSSIAN FEDERATION	26242	C	TARTU	ESTONIA
41268	C	SUR	OMAN	38457	CT	TASHKENT	UZBEKISTAN
98653	C	SURIGAO	PHILIPPINES	04360	CT	TASIILAQ (AMASSALIK)	GREENLAND
47421	C	SUTTSU	JAPAN	47646	T	TATENO	JAPAN
01008	C	SVALBARDLUFTHAVN	NORWAY	96481	CT	TAWAU	MALAYSIA
71870	C	SWIFT CURRENT,SASK.	CANADA	37549	T	TBILISI	GEORGIA
94767	C	SYDNEY AIRPORT	AUSTRALIA	60475	C	TEBESSA	ALGERIA
23804	CT	SYKTYVKAR	RUSSIAN FEDERATION	40754	C	TEHRAN-MEHRABAD	IRAN, ISLAMIC REP
89532	CT	SYOWA	JAPAN N	80478	C	TEMLADOR	VENEZUELA
72519	C	SYRACUSE/HANCOCK,NY.	USA	85743	C	TEMUCO	CHILE
12205	C	SZCZECIN	POLAND	60025	C	TENERIFE SUR	SPAIN
12982	CT	SZEGED	HUNGARY	60015	C	TENERIFE/LOSRODEOS	SPAIN
63832	C	TABORA AIRPORT	U REP TANZANIA	60410	C	TENES	ALGERIA
65592	C	TABOU	COTE D'IVOIRE	56739	C	TENGCHONG	CHINA
40706	CT	TABRIZ	IRAN, ISLAMIC REP	94238	C	TENNANTCREEK MET OFFICE	AUSTRALIA
40375	CT	TABUK	SAUDI ARABIA	83492	C	TEOFILO OTONI	BRAZIL
98550	C	TACLOBAN	PHILIPPINES	76373	C	TEPEHUANES,DGO	MEXICO
84782	C	TACNA	PERU	76556	C	TEPIC,NAY	MEXICO
47133	C	TAEJON	REP KOREA	82578	C	TERESINA	BRAZIL
98644	C	TAGBILARAN	PHILIPPINES	16232	C	TERMOLI	ITALY
83235	C	TAGUATINGA	BRAZIL	61202	C	TESSALIT	MALI
91938	CT	TAHITI-FAAA	FRENCH POLY.	60318	C	TETUAN/SANIARAMEL	MOROCCO
61043	C	TAHOUA	NIGER	48946	C	THAKHEK	LAO PDR
41036	C	TAIF	SAUDI ARABIA	71867	CT	THE PAS, MAN.	CANADA
45011	C	TAIPA	MACAU	16622	C	THESSALONIKI/MIKRA	GREECE
53772	C	TAIYUAN	CHINA	43371	CT	THIRUVANANTHAPURAM	INDIA
47891	C	TAKAMATSU	JAPAN	71079	C	THOMPSON WEATHER OFFICE-MAN.	CANADA
91943	C	TAKAROA	FRENCH POLY.	06011	CT	THORSHAVN	DENMARK & FAROE IS.
65467	C	TAKORADI	GHANA	41314	C	THUMRAIT	OMAN
84390	C	TALARA	PERU	60511	C	TIARET	ALGERIA
72214	C	TALLAHASSEE/MUN.,FL.	USA	61036	C	TILLABERY	NIGER
26038	C	TALLINN	ESTONIA	81002	C	TIMEHRI CHEDDI JAGAN INTERNA	GUYANA
60680	C	TAMANRASSET	ALGERIA	60607	C	TIMIMOUN	ALGERIA
61687	C	TAMBACOUNDA	SENEGAL	15247	C	TIMISOARA	ROMANIA
38413	C	TAMDY	UZBEKISTAN	02366	C	TIMRA/MIDLANDA	SWEDEN
72211	C	TAMPA/INT.,FL.	USA	60656	C	TINDOUF	ALGERIA

STATION LIST RECENT DATA

84534	C	TINGO MARIA	PERU	02972	C	TURKU	FINLAND
03100	C	TIREE	U KINGDOM	23472	CT	TURUHANSK	RUSSIAN FEDERATION
60395	C	TIZI-OUZOU	ALGERIA	48407	T	UBON RATCHATHANI	THAILAND
60531	C	TLEMCEN(ZENATA)	ALGERIA	06447	CT	UCCLE	BELGIUM
28275	C	TOBOL'SK	RUSSIAN FEDERATION	16044	T	UDINE/CAMPOFORMIDO	ITALY
47662	C	TOKYO	JAPAN	16045	C	UDINE/RIVOLTO	ITALY
08272	C	TOLEDO	SPAIN	48354	C	UDON THANI	THAILAND
72536	C	TOLEDO/EXPRESS,OH.	USA	44214	C	UGI	MONGOLIA
76675	C	TOLUCA,MEX	MEXICO	44292	C	ULAAN-BAATOR	MONGOLIA
61223	CT	TOMBOUCTOU	MALI	44212	C	ULAAN-GOM	MONGOLIA
71624	C	TORONTOPEARSON INT'L. AIRPO	CANADA	44272	C	ULIATAI	MONGOLIA
76382	C	TORREON,COAH.	MEXICO	47115	C	ULLNGDO	REP KOREA
08238	C	TORTOSA	SPAIN	44304	C	UNDERKHAAN	MONGOLIA
44225	C	TOSONTSENGEL	MONGOLIA	91652	C	UNDU POINT	FIJI
60555	C	TOUGGOURT	ALGERIA	76225	C	UNIV. DE CHIHUAHUA,CHIHUAHU	MEXICO
94294	CT	TOWNSVILLEAERO	AUSTRALIA	68424	CT	UPINGTON	SOUTH AFRICA
16429	C	TRAPANI/BIRGI	ITALY	47426	C	URAKAWA	JAPAN
86500	C	TREINTA Y TRES	URUGUAY	51463	CT	URUMQI	CHINA
87828	C	TRELEW AERO	ARGENTINA	17188	C	USAK	TURKEY
87688	C	TRES ARROYOS	ARGENTINA	87938	C	USHUAIA AERO	ARGENTINA
83618	C	TRES LAGOAS	BRAZIL	30635	C	UST'-BARGUZIN	RUSSIAN FEDERATION
16099	C	TREVISO/S. ANGELO	ITALY	25325	C	UST'-OLOJ	RUSSIAN FEDERATION
10609	C	TRIER-PETRISBERG	GERMANY	61995	T	VACOAS(MAURITIUS)	MAURITIUS
16110	C	TRIESTE	ITALY	85766	C	VALDIVIA	CHILE
43418	C	TRINCOMALEE	SRI LANKA	80472	C	VALENCIA	VENEZUELA
83650	T	TRINDADE(ILHA)	BRAZIL	08285	C	VALENCIA	SPAIN
85154	C	TRINIDAD	BOLIVIA	08284	C	VALENCIA/AEROPUERTO	SPAIN
40103	C	TRIPOLI	LEBANON	03953	CT	VALENTIA OBSERVATORY	IRELAND
62010	C	TRIPOLI INTERNATIONALAIRPOR	LIBYAN ARAB JAMAHIR	80426	C	VALERA	VENEZUELA
01025	C	TROMSO/LANGNES	NORWAY	08141	C	VALLADOLID	SPAIN
84501	C	TRUJILLO	PERU	08140	C	VALLADOLID/VILLANBULA	SPAIN
91334	C	TRUK,CAROLINEIS.	USA	80434	C	VALLE DE LA PASCUA	VENEZUELA
44282	C	TSETSERLEG	MONGOLIA	03302	C	VALLEY	U KINGDOM
44347	C	TSOGT-OVOO	MONGOLIA	17170	C	VAN	TURKEY
91954	C	TUBUAI	FRENCH POLY.	71892	C	VANCOUVER INT. AIR- PORT, B.	CANADA
72274	C	TUCSON/INT.,AZ.	USA	01098	C	VARDO	NORWAY
87121	C	TUCUMAN AERO	ARGENTINA	15552	C	VARNA	BULGARIA
98233	C	TUGUEGARAO	PHILIPPINES	26477	C	VELIKIE LUKI	RUSSIAN FEDERATION
67161	C	TULEAR	MADAGASCAR	26314	C	VENTSPILS	LATVIA
84370	C	TUMBES	PERU	83264	C	VERA (GLEBA CELESTE)	BRAZIL
80453	C	TUMEREMO	VENEZUELA	42909	C	VERAVAL	INDIA
60715	CT	TUNIS-CARTHAGE	TUNISIA	24266	C	VERHOJANSK	RUSSIAN FEDERATION
24507	C	TURA	RUSSIAN FEDERATION	16090	C	VERONA/VILLA FRANCA	ITALY
40356	C	TURAIF	SAUDI ARABIA	15280	C	VF. OMU	ROMANIA

STATION LIST RECENT DATA

72255	C	VICTORIA/VICTORIAREG., TX.	USA	94299	CT	WILLIS ISLAND	AUSTRALIA
87791	C	VIEDMA AERO	ARGENTINA	72767	C	WILLISTON/SLOULINFIELD, ND.	USA
48940	C	VIENTIANE	LAO PDR	72583	C	WINNEMUCCA/MUN.,NV.	USA
08045	C	VIGO/PEINADOR	SPAIN	71852	C	WINNIPEG INT.AIRPORTMAN.	CANADA
83208	C	VILHENA	BRAZIL	12497	C	WLODAWA	POLAND
24641	C	VILJUJSK	RUSSIAN FEDERATION	12425	T	WROCLAWI	POLAND
60096	C	VILLA CISNEROS	WESTERN SAHARA	12424	C	WROCLAWII	POLAND
87244	C	VILLA DE MARIA DEL RIO SECO	ARGENTINA	57036	C	XI'AN	CHINA
87328	C	VILLA DOLORES AERO	ARGENTINA	56571	C	XICHANG	CHINA
87448	C	VILLA REYNOLDS AERO	ARGENTINA	72781	C	YAKIMA/YAKIMAAIR TERM.,WA.	USA
11212	C	VILLACHERALPE	AUSTRIA	70361	CT	YAKUTAT	USA
76743	C	VILLAHERMOSA,TAB	MEXICO	64661	C	YALINGA	CENTRAL AFRICAN REP
86233	C	VILLARRICA	PARAGUAY	54292	C	YANJI	CHINA
80234	C	VILLAVICENCIO/VANGUARDIA	COLOMBIA	91413	C	YAP, CAROLINEIS.	USA
26730	C	VILNIUS	LITHUANIA	71603	CT	YARMOUTH,N.S.	CANADA
02590	C	VISBY FLYGPLATS	SWEDEN	62008	C	YEFREN	LIBYAN ARAB JAMAHIR
43149	C	VISHAKHAPATNAM	INDIA	40439	C	YENBO	SAUDI ARABIA
30054	C	VITIM	RUSSIAN FEDERATION	57461	C	YICHANG	CHINA
08080	C	VITORIA	SPAIN	53614	C	YINCHUAN	CHINA
83648	C	VITORIA	BRAZIL	51431	C	YINING	CHINA
83344	C	VITORIA DA CONQUISTA	BRAZIL	65167	C	YOLA	NIGERIA
31960	C	VLADIVOSTOK	RUSSIAN FEDERATION	47744	T	YONAGO	JAPAN
27037	C	VOLOGDA	RUSSIAN FEDERATION	47168	C	YOSU	REP KOREA
89606	C	VOSTOK	USSR N	72525	C	YOUNGSTOWN,OH.	USA
22837	C	VYTEGRA	RUSSIAN FEDERATION	84425	C	YURIMAGUAS	PERU
72256	C	WACO,MADISON-COOPER,TX.	USA	98836	C	ZAMBOANGA	PHILIPPINES
62751	C	WAD MEDANI	SUDAN	08130	C	ZAMORA	SPAIN
03377	C	WADDINGTON	U KINGDOM	44358	C	ZAMYN-UUD	MONGOLIA
41061	C	WADI AL DAWASSER AIRPORT	SAUDI ARABIA	81225	C	ZANDERIJ	SURINAME
62600	C	WADI HALFA	SUDAN	08160	C	ZARAGOZA/AEROPUERTO	SPAIN
94910	CT	WAGGA AIRPORT	AUSTRALIA	57083	C	ZHENGZHOU	CHINA
47600	CT	WAJIMA	JAPAN	57745	C	ZHIJIANG	CHINA
47401	CT	WAKKANAI	JAPAN	41620	C	ZHOB	PAKISTAN
12375	C	WARSZAWA-OKECIE	POLAND	61695	C	ZIGUINCHOR	SENEGAL
72405	C	WASHINGTON/NAT.,VA.	USA	61090	C	ZINDER	NIGER
71953	C	WATSONLAKE,Y.T.	CANADA	17022	C	ZONGULDAK	TURKEY
40400	C	WEJH	SAUDI ARABIA	61404	C	ZOUERATE	MAURITANIA
72203	C	WEST PALM BEACH/INT.,FL.	USA	62007	C	ZUARA	LIBYAN ARAB JAMAHIR
71964	CT	WHITEHORSE,UA, Y.T.	CANADA	10961	C	ZUGSPITZE	GERMANY
72351	C	WICHITA FALLS/SHEPS AFB TX	USA	06660	C	ZURICH(TOWN/VILLE).	SWITZERLAND
61902	C	WIDE AWAKE FIELD (ASCENSION	OCEAN ISLANDS	25400	C	ZYRJANKA	RUSSIAN FEDERATION
11035	CT	WIEN/HOHEWARTE	AUSTRIA				
72513	C	WILKES-BARRE-SCRANTONPA.	USA				
94776	CT	WILLIAMTOWNAERODROME	AUSTRALIA				