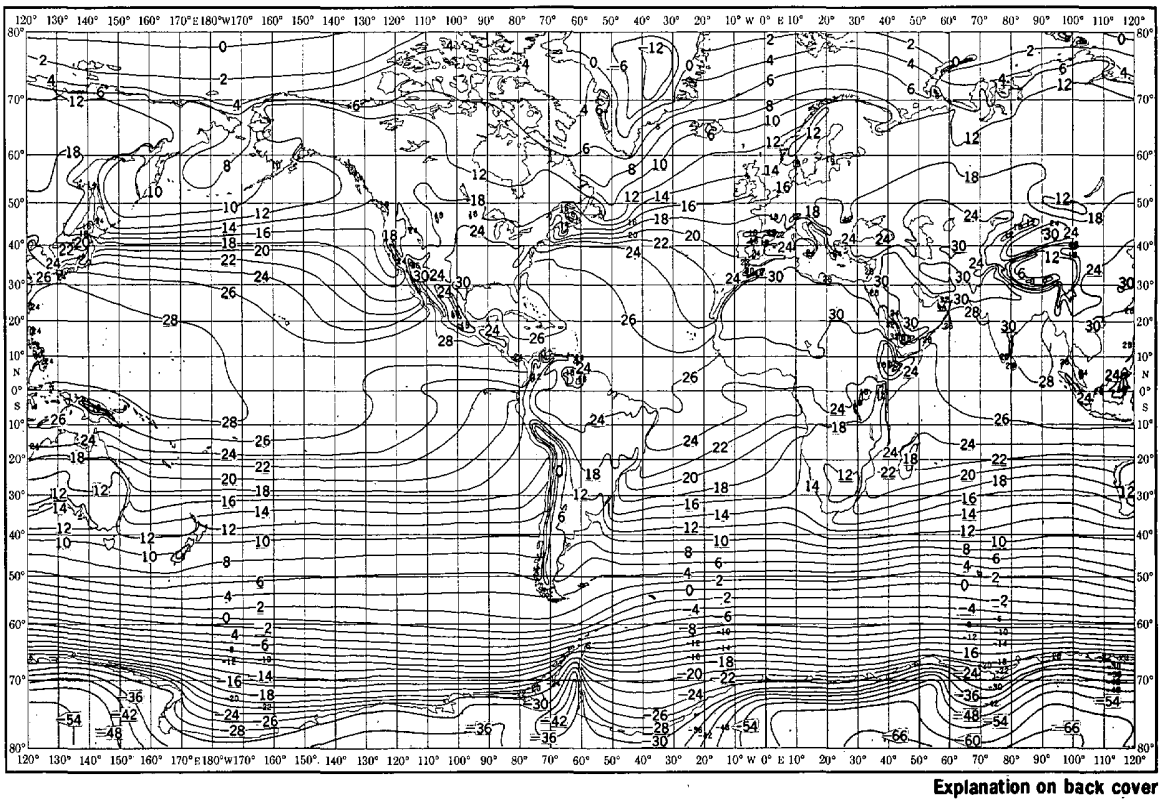
JULY 1984 VOLUME 37 NUMBER 7

MONTHLY CLIMATIC DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE WORLD METEOROLOGICAL ORGANIZATION

JULY

LONG TERM MEAN SURFACE AIR TEMPERATURE (°C)



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Kenneth D Wadden

DIRECTOR
NATIONAL CLIMATIC DATA CENTER

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PREFACE

Monthly Climatic Data for the World is currently sponsored by the World Meteorological Organization (WMO) in accordance with Resolution 27 of the Second World Meteorological Congress, 1955. It is Published by the United States National Oceanic and Atmospheric Administration. Climatic data are prepared for selected stations by Members of the WMO and exchanged monthly via international telecommunications under the provisions of Regulation (A.2.4) 3.1.1 of the WMO Technical Regulations and WMO Publications No. 306 - Manual on Codes; and No. 386 - Manual on the Global Telecommunications System. Codes used are CLIMAT, CLIMAT SHIP, CLIMAT TEMP, and CLIMAT TEMP SHIP. Confirmation copies received by mail are also used in compiling the tables.

REFERENCE NOTES

SURFACE DATA TABLE

Station: The location and elevation (Hp) of stations are given in WMO Publication No. 9, Volume A - Stations. Stations under the control of the UNITED KINGDOM: Elevations are furnished by the UNITED KINGDOM METEOROLOGICAL SERVICE.

Pressure: Monthly mean pressure at station level (all U. S. stations have Hpc correction) and mean sea level, except: U = See Upper Air Data; Y = Height of 850 mb surface in gpm; Z = Height of 700 mb surface in gpm.

Temperature: Monthly mean temperature and departure from normal value. "S" indicates Sea Surface Temperature.

Vapor Pressure: Monthly mean vapor pressure and departure from normal value.

Precipitation: Total Precipitation and departure from normal value for the month in whole millimeters. "T" indicates an amount less than 0.5 millimeter.

Quintile: Indications of the frequency group within which the precipitation falls. When the total of precipitation is given as zero, the quintile value given is the highest number of quintile which has zero as the lower limit. A zero indicates a value less than any recorded in the reference period. A six indicates a value greater than any recorded in the reference period.

Normals: Surface departures from normal are calculated by individual WMO Members. Normals are based on 30-year averages, when available. Surface normals are published in WMO Pub No. 117.TP.52, though updated normals may be used by some Members.

UPPER AIR DATA TABLE

Time of Observations: 1 = 00 GMT; 2 = 12 GMT; 3 = 00 and 12 GMT; / = Other hours; Blank = Unknown.

Height: Monthly mean geopotential of the pressure surface in geopotential meters. "*" indicates surface pressure is expressed in millibars.

Temperature and Dew Point Depression: Monthly mean values for the pressure surface.

Wind: Direction of monthly mean vector wind in degrees, speed in meters per second. "**" indicates wind speed less than 0.5 mps.

Steadiness Factor: The ratio of the speed of the monthly mean vector wind to the speed of the monthly mean scalar wind.

Normals: Departures from normal are not shown for upper air data, but provisional normals can be obtained from WMO Pub No. 170.TP.84. 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: Carried in the first issue of this bulletin following their receipt. "M" indicates the data should be deleted.

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SURFACE DATA

JULY 1984

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ 1 MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
NORTH AMERICA															
ALASKA															
BARROW	71 18 N	156 47 W	4	31	1010.5	1011.0	5.0	+ 1.2				21	- 1		
BARTER ISLAND	70 08 N	143 38 W	15	31	1009.5	1011.5	4.0	- 0.4			7	43	+ 17	4	
KOTZEBUE	66 52 N	162 38 W	5	31	1010.5	1011.0	10.7	- 1.0				54	+ 17		
NOME	64 30 N	165 26 W	7	31	1010.8	1011.7	10.6	+ 0.3			12	84	+ 28	4	106
FAIRBANKS	64 49 N	147 52 W	138	31	995.3	1012.3	16.1	- 0.3			6	75	+ 30	5	
MCGRATH	62 58 N	155 37 W	103	31	1001.7	1014.3	14.3	- 0.3			12	54	+ 1	3	
BETHEL	60 47 N	161 48 W	46	31	1014.0	1015.0	12.8	+ 0.2	11.7		10	26	- 28	1	
ANCHORAGE	61 10 N	150 01 W	40	31	1010.0	1015.0	16.0	+ 1.5	11.0		8	28	- 22	1	88
ST. PAUL	57 09 N	170 13 W	9	31	1017.8	1018.7	7.9	+ 0.3				23	- 28		
COLD BAY	55 12 N	162 43 W	31	31	1015.2	1019.3	9.8	- 0.4	10.6		10	45	- 19	2	
KING SALMON	58 41 N	156 39 W	15	31	1013.2	1015.3	12.1	- 0.5	10.9		9	33	- 20	1	
YAKUTAT	59 31 N	139 40 W	9	31	1015.9	1017.0	11.4	- 0.5	11.7		19	273	+ 63	4	
JUNEAU	58 22 N	134 35 W	7	31	1017.3	1018.1	13.1	- 0.1				176	+ 71		
ANNETTE ISLAND	55 02 N	131 34 W	34	31	1015.7	1019.8	13.2	- 1.1			13	172	+ 52	4	
CANADA-WESTERN															
MOULD BAY	76 14 N	119 20 W	15	31	1007.5	1008.3	3.1	- 0.6	6.8	0.0	8	36	+ 19	6	
SACHS HARBOUR	71 59 N	125 17 W	86	31	1000.1	1010.4	4.8	- 0.8	7.5	-0.1	8	25	+ 7		58
CAMBRIDGE BAY	69 06 N	105 07 W	27	31	1007.6	1011.1	9.2	+ 1.0	9.1	+0.6	4	18	- 43		
COPPERMINE	67 50 N	115 07 W	9	31	1007.5	1010.4	15.2	+ 5.9	10.1	+0.7	7	63	+ 29	5	96
INUVIK	68 18 N	133 29 W	68	31	1002.9	1011.4	12.3	- 1.0	10.0	0.0	8	30	- 4		
CONTWOYTO LAKE	65 29 N	110 22 W	451			U									
NORMAN WELLS	65 17 N	126 48 W	73	31	1001.4	1010.3	15.8	- 0.3	12.4	+0.1	13	65	+ 9	4	81
WHITEHORSE	60 43 N	135 04 W	703	31	931.8	1015.1	12.5	- 1.6	8.1	-1.1	9	20	- 13	2	
CREE LAKE	57 21 N	107 08 W	499			U									
FORT NELSON	58 50 N	122 35 W	382	31	966.2	1011.8	16.6	- 0.1	11.9	-0.6	13	108	+ 33	4	
FORT SMITH	60 01 N	111 58 W	203	31	984.3	1008.9	17.1	+ 1.0	12.6	+0.5	14	85	+ 32	5	97
PRINCE GEORGE	53 53 N	122 40 W	691	31	936.0	1017.3	14.9	0.0	10.1	-1.3	7	42	- 16	2	119
EDMONTON	53 34 N	113 31 W	671	31	935.9	1013.9	18.6	+ 1.1	11.6	-1.1	6	45	- 38	1	112
EDMONTON STONY PLAIN	53 33 N	114 06 W	766			U									
THE PAS	53 58 N	101 06 W	271	31	979.4	1011.7	18.8	+ 0.9	13.3	+1.1	10	47	- 25	2	117
WINNIPEG INT. AP	49 54 N	97 14 W	239	31	984.7	1013.2	19.6	- 0.1	15.9	+0.2	5	38	- 42	1	107
REGINA	50 26 N	104 40 W	577	31	946.2	1013.8	20.5	+ 1.6	10.5	-3.3	4	26	- 32	1	114
VERNON	50 14 N	119 17 W	555			U									
LETHBRIDGE	49 38 N	112 48 W	929	31	908.6	1014.5	19.4	+ 0.6	10.0	-1.5	2	20	- 25	2	108
SANDSPIT	53 15 N	131 49 W	6	31	1018.9	1019.6	13.4	- 0.5	11.9	-1.0	12	64	+ 16	5	76
PORT HARDY	50 41 N	127 22 W	22	31	1017.9	1020.5	13.7	+ 0.1	12.4	-0.4	7	56	+ 2	4	
VANCOUVER INT. AP	49 11 N	123 10 W	2	31	1018.3	1018.6	17.2	- 0.2	14.2	-0.5	1	4	- 24	1	114
CANADA-EASTERN															
ALERT	82 30 N	62 20 W	63		1001.7	1010.2	4.4	+ 0.5	6.6	+0.2	7	45	+ 27	5	
EUREKA	80 00 N	85 56 W	10	31	1006.9	1008.2	4.9	- 0.6	6.7	-0.2	3	9	- 4	3	
RESOLUTE	74 43 N	94 59 W	67	31	1001.9	1010.5	3.7	- 0.6	7.3	+0.3	9	31	+ 5	5	75
CLYDE	70 27 N	68 33 W	6	31	1006.2	1009.3	6.5	+ 1.9	7.3	+0.4	6	30	+ 7		
HALL BEACH	68 47 N	81 15 W	8	31	1008.9	1009.9	7.8	+ 2.4	8.2	+0.5	3	13	- 16		
BAKER LAKE	64 18 N	96 00 W	13	31	1008.3	1010.6	12.2	+ 1.5	9.8	+0.2	7	39	+ 3	3	
CORAL HARBOUR	64 12 N	83 22 W	64	31	1003.3	1011.3	11.5	+ 2.9	9.6	+0.6	1	2	- 38	0	
FROBISHER BAY	63 45 N	68 33 W	34	31	1004.9	1009.1	9.0	+ 1.1	7.8	0.0	8	47	- 6	3	141
CHURCHILL	58 45 N	94 04 W	29	31	1006.5	1010.1	12.2	+ 0.2	11.2	+0.6	7	32	- 17		106
INUCOJOUAC	58 27 N	78 07 W	5	31	1005.9	1006.3	11.4	+ 2.5	10.6	+1.2	13	47	- 1		102
FORT CHIMO	58 06 N	68 25 W	37	31	1001.9	1006.6	10.9	- 0.5	9.6	-0.4		61	+ 10		
TROUT LAKE	53 50 N	89 52 W	220	31	984.7	1010.7	16.6	+ 0.7	13.4	-0.1	11	90	- 5	3	
NITCHEQUON	53 12 N	70 54 W	536	31	943.3	1008.6	14.6	+ 1.0	12.8	+1.2	21	141	+ 40	5	
MOOSONEE	51 16 N	80 39 W	10	31	1007.8	1009.0	15.9	+ 0.4	14.6	+0.9	16	131	+ 41	5	107
KAPUSKASING	49 25 N	82 28 W	227	31	984.3	1011.4	16.7	- 0.2	16.7	+2.6	16	157	+ 61	5	
GERALDTON	49 42 N	86 57 W	331			U									
SEPT-ILES	50 13 N	66 16 W	55	31	1002.8	1009.4	15.7	+ 0.6	13.4	+0.1	13	124	+ 20	4	88
GOOSE	53 19 N	60 25 W	49	31	1002.0	1007.9	16.8	+ 1.0	13.3	+1.1	13	92	- 10	3	101
NORTH BAY	46 22 N	79 25 W	371	31	969.8	1013.6	18.0	- 0.3	14.8	-0.1	12	137	+ 35	5	91
MANIWAKI	46 23 N	75 58 W	170	31	991.8	1012.1	18.1	0.0	16.5	+0.7	13	125	+ 39		87
TORONTO/MALTON INT AP	43 41 N	79 38 W	173	31	994.2	1014.8	19.8	- 0.9	16.0	-0.4	5	63	- 12	2	
MONTREAL/DORVAL INT AP	45 28 N	73 45 W	36	31	1008.1	1012.4	21.3	+ 0.1	17.9	+0.8	6	60	- 25	2	
BAGOTVILLE	48 20 N	71 00 W	159	31	991.7	1010.8	18.5	+ 0.7	15.0	+0.7	16	121	+ 10	4	
CHATHAM	47 01 N	65 27 W	34	31	1007.0	1011.1	20.1	+ 0.9	16.5	+0.9	12	81	+ 5	4	98
STEPHENVILLE	48 32 N	58 33 W	26	31	1009.3	1012.4	17.7	+ 1.8	16.4	+1.9	12	111	+ 24		
GANDER INT AP	48 57 N	59 34 W	151	31	995.1	1013.3	18.0	+ 1.5	15.5	+2.0	12	63	- 15	2	133
SHEARWATER	44 38 N	63 30 W	51	31	1008.4	1014.5	18.7	+ 1.1	16.8	+0.9	9	48	- 44	1	119
SYDNEY	46 10 N	60 03 W	62	31	1006.3	1013.7	19.4	+ 1.5	17.2	+1.2	6	51	- 28	2	113
SHELBURNE	43 43 N	65 15 W	30			U									
SABLE ISLAND	43 56 N	60 01 W	4	31	1016.0	1016.5	17.3	+ 1.9	18.0	+1.9	6	27	- 58	1	127
ARGENTIA VTMS NFLD	47 18 N	54 00 W	15	31	1014.4	1016.3	14.2	+ 0.3	14.3	+0.4	8	41	- 39		
ST. JOHN'S (TORBAY)	47 37 N	52 45 W	141			U									
ST PIERRE AND MIQUELON															
ST PIERRE	46 46 N	56 10 W	5	31	1015.0	1015.6	14.8	+ 1.2	15.7	+1.9	8	55	- 31	1	89
UNITED STATES-NORTHWEST															
QUILLAYUTE	47 57 N	124 33 W	62	31	1012.9	1020.4	14.8	- 0.2	18.8		3	14	- 45	2	104
PORTLAND	45 36 N	122 36 W	12	31	1012.5	1018.0	20.6	- 0.8	13.4		0	T	- 12	1	129
OLYMPIA	46 58 N	122 54 W	61	31	1011.2	1018.6	17.4	+ 0.2	12.9		0	T	- 19	1	
MEDFORD	42 22 N	122 52 W	405	31	967.8	1014.6	23.2	+ 0.7	12.3		2	4	- 2	4	
SPOKANE	47 38 N	117 32 W	721	31	946.6	1014.8	20.6	- 0.3	10.2		1	2	- 11	1	111

SURFACE DATA

JULY 1984

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUNSHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
NORTH AMERICA															
UNITED STATES-NORTHWEST															
GREAT FALLS	47 29 N	111 22 W	1115	31	889.6	1014.1	21.0	+ 0.3	8.4		0	1	- 27	1	59
SHERIDAN	44 46 N	106 58 W	1209	31	880.1	1014.2	21.7	+ 0.6				10	- 14		101
BISMARCK	46 46 N	100 45 W	506	31	954.7	1013.9	21.2	- 0.1	13.1		3	21	- 31	1	97
RAPID CITY	44 03 N	103 04 W	966	31	902.5	1013.8	22.3	- 0.3	14.4		6	40	- 14	3	104
BOISE	43 34 N	116 13 W	871	31	918.9	1012.8	23.4	- 0.3	10.1		3	6	- 1	4	91
WINNEMUCCA	40 54 N	117 48 W	1322	31	867.8	1012.5	22.1	- 0.1	8.2		5	44	+ 40	6	98
ELY	39 17 N	114 51 W	1909	31	812.1	1013.0	19.7	0.0	16.0		6	55	+ 39	5	83
SALT LAKE CITY	40 46 N	111 58 W	1288	31	868.1	1012.3	25.8	+ 0.5	14.0		4	44	+ 25	5	98
GRAND JUNCTION	39 07 N	108 32 W	1475	31	860.4	1012.1	25.6	- 0.5	12.3		5	16	+ 4	4	106
DENVER	39 45 N	104 52 W	1625	31	840.3	1013.0	23.8	+ 0.9	12.3		9	54	+ 5	4	100
NORTH PLATTE	41 08 N	100 41 W	849	31	917.5	1014.2	23.2	- 0.2	13.9		3	24	- 52	1	103
UNITED STATES-NORTHEAST															
INTERNATIONAL FALLS	48 34 N	93 23 W	361	31	973.6	1014.1	18.4	- 0.5			4	54	- 43	1	
DULUTH	46 50 N	92 11 W	432	31	973.9	1014.9	19.2	+ 0.7	14.0		9	34	- 67	1	99
ST. CLOUD	45 35 N	94 11 W	318	31	978.4	1015.7	21.2	+ 0.2				75	- 10		
SAULT STE. MARIE	46 28 N	84 22 W	221	31	991.8	1014.2	17.4	- 0.1	15.7		11	57	- 19	2	92
BURLINGTON	44 28 N	73 09 W	104	31	999.5	1014.1	21.3	- 0.4	15.7		10	130	+ 43	5	80
CARIBOU	46 52 N	68 01 W	146	31	989.2	1011.9	18.8	+ 0.4	16.3		15	115	+ 12	4	
DES MOINES	41 32 N	93 39 W	294	31	984.9	1015.6	24.4	0.0	19.6		9	158		5	108
COLUMBIA	38 49 N	92 13 W	274	31	988.0	1015.8	24.2	- 1.2	20.5		3	134	+ 45	6	104
CHICAGO O'HARE	41 59 N	87 54 W	205	31	991.9	1016.1	21.3	- 1.5	17.0		7	81	- 11	3	72
ST. LOUIS	38 45 N	90 23 W	172	31	995.9	1016.0	25.7	- 0.4	20.0		5	19	- 73	1	93
DAYTON	39 54 N	84 13 W	306	31	985.0	1017.0	21.1	- 2.6	15.6		8	60	- 25	2	91
COLUMBUS	40 00 N	82 53 W	254	31	987.9	1017.2	21.8	- 1.4	16.9		7	80	- 22	2	85
BUFFALO	42 56 N	78 44 W	215	31	988.0	1015.6	21.3	- 0.2	15.2		7	35	- 40	1	94
NEW YORK LA GUARDIA	40 46 N	73 54 W	9	31	1004.5	1015.8	23.1	- 1.6	20.1		10	146	+ 53	5	
BOSTON	42 22 N	71 02 W	9	31	1010.1	1014.6	23.7	+ 0.6	20.4		7	113	+ 44	5	97
BLUE HILL OBS	42 13 N	71 07 W	195	31			21.4	- 0.4	18.9		6	134	+ 59	5	88
CHATHAM	41 40 N	69 58 W	16			U									
WASHINGTON DULLES	38 57 N	77 27 W	98			U									
WASHINGTON NATIONAL	38 51 N	77 02 W	20	31	1012.5	1016.5	24.7	- 1.4			11	104	+ 5	3	84
UNITED STATES-SOUTHWEST															
SACRAMENTO	38 31 N	121 30 W	8	31	1007.6	1010.0	25.7	+ 1.5				T	- 1		100
SAN FRANCISCO	37 37 N	122 23 W	5	31	1012.2	1012.8	18.7	+ 1.9	13.1		0	T	- 1	5	
OAKLAND	37 44 N	122 12 W	3			U									
SANTA MARIA	34 54 N	120 27 W	73	31	1004.4	1013.2	19.7	+ 2.9	14.6		0	T	0	3	
SAN DIEGO	32 44 N	117 10 W	9	31	1011.2	1012.1	25.1	+ 3.8	23.6		2	5	+ 5	5	106
LAS VEGAS	36 05 N	115 10 W	664	31	945.9	1010.3	31.2	- 1.2	16.0		6	63	+ 52	6	87
PHOENIX	33 26 N	112 01 W	337	31	971.2	1009.2	33.2	- 0.3			9	131	+112	6	100
EL PASO	31 48 N	106 24 W	1194	31	886.6	1010.7	27.3	- 0.8			3	18	- 23	2	94
ALBUQUERQUE	35 03 N	106 37 W	1620	31	850.3	1011.9	26.1	+ 0.1	12.8		4	29	- 4	3	97
WICHITA	37 39 N	97 25 W	408	31	967.4	1014.6	27.6	+ 0.2	16.8		1	8	- 84	1	121
OKLAHOMA CITY/W ROGERS WORLD	35 24 N	97 36 W	397	31	972.2	1014.5	27.6	- 0.2	17.6		2	8	- 70	1	127
NORMAN	35 14 N	97 28 W	362			U									
ABILENE	32 26 N	99 41 W	534	31	954.6	1013.9	28.7	- 0.2	16.1		4	25	- 29	2	99
SAN ANTONIO	29 32 N	98 28 W	242	31	990.6	1014.6	29.4	+ 0.2	14.5		0	T	- 49	1	96
VICTORIA	28 51 N	96 55 W	36			U									
BROWNSVILLE	25 54 N	97 26 W	6	31	1012.6	1014.5	29.0	+ 0.1	26.3		6	40	+ 2	4	77
UNITED STATES-SOUTHEAST															
WALLOPS ISLAND	37 51 N	75 29 W	15			U									
MONETT	36 53 N	93 54 W	407			U									
NORTH LITTLE ROCK	34 50 N	92 14 W	546	31			26.8	- 0.8	22.5		6	73	- 6	2	125
LONGVIEW	32 21 N	94 39 W	124			U									
NASHVILLE	36 07 N	86 41 W	184	31	997.6	1017.1	24.5	- 1.8	20.4		9	168	+ 71	6	92
ASHEVILLE	35 26 N	82 32 W	661	31	940.7	1018.4	21.4	- 1.5	21.6		14	149	+ 37	4	83
ATLANTA	33 39 N	84 26 W	315	31	976.3	1017.2	24.9	- 1.0	22.2		17	285	+165	6	82
WAYCROSS	31 15 N	82 24 W	46			U									
CAPE HATTERAS	35 16 N	75 33 W	3	31	1018.0	1018.4	25.4	- 0.3	26.3		17	133	- 3	3	103
CHARLESTON	32 54 N	80 02 W	15	31	1016.6	1018.6	26.6	- 0.3			9	124	- 62	1	97
NEW ORLEANS	29 59 N	90 15 W	9	31	1014.8	1016.6	26.0	- 1.8			13	98	- 73	1	
BOOTHVILLE	29 20 N	89 24 W	0			U									
JACKSONVILLE	30 30 N	81 42 W	9	31	1016.9	1018.4	26.4	- 1.0	56.6		10	153	- 13	2	114
APALACHICOLA	29 44 N	85 02 W	7			U									
WEST PALM BEACH	26 41 N	80 07 W	7			U									
MIAMI	25 48 N	80 16 W	4	31	1016.9	1017.8	27.7	- 0.3	25.7		17	187	+ 36	4	
MEXICO-NORTHERN															
ISLA GUADALUPE, B.C.	29 10 N	118 19 W	6			U									
EMPALME	27 57 N	110 48 W	12			U									
GUAYMAS	27 55 N	110 53 W	4		1008.9	1010.5	30.5		28.5		9	93			
LA PAZ	24 10 N	110 21 W	18		1007.7	1010.7	26.1		25.5		10	27		4	
MAZATLAN CARRASCO	23 11 N	105 25 W	3		1009.1	1009.1	27.8		29.4		14	366		5	135
MONTERREY	25 40 N	100 18 W	534		956.2	1012.8	26.6		23.0		7	53		4	100
MONTERREY AEROP. INTL	25 52 N	100 14 W	423			U									
CHIHUAHUA UNIV. DE	28 38 N	106 04 W	1428			1006.3	24.0				10	52			
TORREON	25 32 N	103 27 W	1150		889.6	1008.7	26.2		19.0		8	47		2	55
ZACATECAS	22 47 N	102 35 W	2612		749.0	1012.7	12.8		11.9		18	265		6	
GUANAJUATO	21 01 N	101 15 W	2037		803.7	1008.8	18.2		15.6		14	153		4	85
GUADALAJARA	20 41 N	103 20 W	1551		846.4	1008.7	20.4		19.1		19	184		2	75

SURFACE DATA

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE: MEAN STATION	PRESSURE: MEAN SEA LEVEL	TEMPERATURE: MEAN	TEMPERATURE: DEPARTURE	VAPOR PRESSURE: MEAN	VAPOR PRESSURE: DEPARTURE	PRECIPITATION: NO. OF DAYS ≥ MM.	PRECIPITATION: TOTAL	PRECIPITATION: DEPARTURE	PRECIPITATION: QUINTILE	SUN-SHINE: PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
NORTH AMERICA															
MEXICO-SOUTHERN															
MANZANILLO	19 03 N	104 20 W	6		1009.9	1010.3	27.5		28.4		13	406		6	
ACAPULCO	16 50 N	99 55 W	3		1010.5	1010.5	27.5		28.9		20	872		6	100
TAPACHULA	14 55 N	92 16 W	168		995.0	1008.0	25.5		27.0		26	287		1	95
VERACRUZ, YLANG YLANG	19 09 N	96 07 W	13		1007.4	1011.4	27.0		28.3		17	363		3	95
COATZACOALCOS	18 09 N	94 25 W	14		1010.9	1013.9	27.9		28.8		11	118			
MERIDA AEROP. INTL.	20 57 N	89 40 W	11		1011.8	1012.8	26.5		27.8		13	274		6	100
CHETUMAL	18 30 N	88 18 W	4		1008.5	1009.5	27.8		29.9		19	221		4	
SOCORRO IS	18 14 N	111 03 W	35			U									
MEXICO CITY INT.AP, D.F.	19 26 N	99 04 W	2234			U									
MEXICO (CENTRAL) D.F.	19 26 N	99 08 W			774.5	1008.6	15.5		12.6		22	321		6	90
OAXACA	17 04 N	96 43 W	1563		846.2	1011.0	19.7		17.9		22	124		4	120
LAS CASAS	16 44 N	92 38 W	2128		793.9	1011.4	15.9		15.6		22	267		5	95
EL SALVADOR															
LOS ANDES	13 53 N	89 39 W	1700				17.3	+ 0.1	16.5	-0.3	19	335	- 88		
ACAJUTLA	13 34 N	89 50 W	15		1008.7	1011.5	27.4	+ 0.4	29.3	+0.2	17	282	- 9	3	
HONDURAS															
SANTA ROSA DE COPAN	14 47 N	88 48 W	1080		893.6	1010.9	21.0		21.3		16	237			75
TEGUCIGALPA	14 02 N	87 15 W	998		902.4	1012.1	21.4		20.5		18	171		5	75
AMAPALA	13 17 N	87 38 W	5		1011.9	1012.4	29.0		27.0		19	362			
CHOLUTECA	13 18 N	87 11 W	48		1005.3	1011.0	26.9		28.1		20	172			80
CATACAMAS	14 54 N	85 56 W	442		963.5	1013.3	24.9		25.1		26	227			55
CEIBA	15 45 N	86 51 W	26		1010.8	1013.8	27.8		27.3		16	459		6	
BELIZE															
BELIZE INTL. AIRPORT	17 32 N	88 18 W	5	31	1012.6	1013.1	27.0		30.1		21	235	- 80		42
COSTA RICA															
JUAN SANTAMARIA	09 59 N	84 13 W	939	31	910.2	1012.2	21.2	- 0.8	19.7	-1.1	17	247	+ 70	4	
PUERTO LIMON	10 00 N	83 03 W	5	31	1010.4	1010.4	24.9	- 0.5	27.6	-1.1	13	125	-318	1	145
PUNTARENAS	09 58 N	84 50 W	3	31	1009.8	1009.8	26.1	- 0.9	29.2	-0.9	17	200	+ 23	4	95
ADJACENT ISLANDS															
NASSAU INTL.AP BAHAMAS	25 03 N	77 28 W	7	31	1017.1	1017.9	27.5	- 0.1	28.2	-0.7	13	114	- 47	2	97
GRAND CAYMAN, B.W.I.	19 15 N	81 25 W	6			U									
SANGSTER INT. AP, JAMAICA	18 30 N	77 55 W	8		1013.3	1014.2	27.9		27.5		5	256			105
KINGSTON/NORMAN MANLEY, JAM.	17 56 N	76 47 W	14		1012.6	1014.2	28.2		25.1		5	41		3	95
SAN JUAN/INT., P.R.	18 26 N	66 00 W	19	31	1013.5	1016.6	28.1	+ 0.3	25.8		7	68	- 56	1	108
JULIANA AP, ST. MAARTEN	18 03 N	63 07 W	12			U									
RAIZET, GUADELOUPE	16 16 N	61 31 W	8	31	1014.4	1015.4	27.2	+ 0.4	27.0	-1.1	14	100	- 71	1	93
LAMENTIN/MARTINIQUE	14 36 N	61 00 W	144	31	1013.8	1014.6	26.8	0.0	29.3	+0.9	20	243	+ 29	3	90
CROWN POINT AP, TOBAGO	11 09 N	60 50 W	6	31	1012.7	1013.5	26.5		28.5		19	159			
PIARCO INT. AP, TRINIDAD	10 37 N	61 21 W	15		1011.7	1013.3	26.0	0.0	27.6	-0.6	20	352	+ 98	5	105
DR.A. PLESMAN AP,CURACAO	12 12 N	68 58 W	17	31	1011.2	1012.1	27.9	- 0.1	29.4	+0.5	6	47	+ 16	4	98
SAN ANDRES,COLOMBIA	12 35 N	81 42 W	4	31	1010.9	1011.0	27.3		31.2		24	452			
DOMINICAN REPUBLIC															
SANTO DOMINGO	18 28 N	69 53 W	14		1013.6	1016.1	26.5		27.3		17	183		4	
SOUTH AMERICA															
VENEZUELA															
MARACAIBO-LA CHINITA	10 34 N	71 44 W	65	31	1002.5	1009.9	28.1	- 0.4	27.0		6	0	- 25		83
LA CANADA(MARACAIBO)	10 31 N	71 39 W	26			U									
MARACAY-B.A. SUCRE	10 15 N	67 39 W	443	31	961.5	1010.1	24.4	+ 0.2	24.3		16	146	+ 20		85
CARACAS/LA CARLOTA	10 30 N	66 53 W	835	31	920.1	1521 Y	22.4	+ 0.2	21.6		19	186	+ 66		85
BARCELONA	10 07 N	64 41 W	7	31	1014.0	1014.8	25.9	- 0.2	25.7		17	73	- 49		87
CIUDAD BOLIVAR	08 09 N	63 33 W	55	31	1005.0	1010.3	26.2	- 0.8	27.1		16	145	- 40		77
SAN ANTONIO DEL TACHIRA	07 51 N	72 27 W	405	31	968.7	1010.7	25.8	- 1.2	23.7		5	22	- 1		89
MERIDA	08 36 N	71 11 W	1498	31	852.3	1520 Y	19.0	0.0	17.2		20	125	+ 2		91
SAN FERNANDO DE APURE	07 54 N	67 25 W	74	31	1007.9	1013.7	26.1	+ 0.4	30.6		20	385	+ 89		82
SURINAM															
ZANDERIJ	05 27 N	55 12 W	16		1010.2	1012.6	25.7		27.8		22	161			175
FRENCH GUIANA															
CAYENNE/ROCHAMBEAU	04 50 N	52 22 W	9	31	1011.9	1013.0	25.5	+ 0.3	28.0	+0.3	22	335	+ 75	5	97
COLOMBIA															
SANTA MARTA/SIMON BOLIVAR	11 07 N	74 14 W	4	31			27.8		27.8		8	51			
CARTAGENA/CRESPO	10 27 N	75 31 W	2	31	1009.3	1009.5	27.3		29.9		9	225			
BARRANQUILLA	10 53 N	74 46 W	14	31			27.1		30.1		6				
QUIBDO	05 42 N	76 38 W	73	31			25.8		28.2		26	909			
TUMACO/EL MIRA	01 38 N	78 46 W	16	31	1011.0	1012.8	24.7		27.9		29	331			
CUCUTA/CAMILO DAZA	07 55 N	72 33 W	309	31	974.3		27.3		27.0		7	29			
BARRANCABERMEJA/YARIGUIES	07 01 N	73 46 W	126	31			26.6		28.7		14	204			
BUCARAMANGA/PALONEGRO	07 08 N	73 11 W	1190	31			20.5		20.8		11	62			
PEREIRA	04 48 N	75 45 W	1349	31	865.4		20.4		19.5		16	185			
MEDELLIN/OLAYA HERRERA	06 13 N	75 36 W	1498	31	850.5		21.6		16.5		20	150			
BOGOTA/EL DORADO	04 42 N	74 08 W	2547	31	753.3		12.9		11.8		12	36			
IPIALES/SAN LUIS	00 50 N	77 40 W	2962	31			9.9		10.1		10	45			

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUNSHINE PERCENTAGE OF LONG-TERM AVERAGE
	° '	° '	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SOUTH AMERICA															
COLOMBIA															
CALI/PALMASECA	03 24 N	76 24 W	969	31	905.8		22.4		20.3		6	58			
GIRARDOT/SANTIAGO VILA	04 17 N	74 48 W	286	31			28.5		23.3		4	7			
VILLAVICENCIO/VANGUARDIA	04 09 N	73 34 W	431	31			23.6		23.9		24	341			
GAVIOTAS/VICHADA	04 28 N	70 44 W	183	31			24.4		26.3		19	184			
NEIVA/LA MANGUITA	02 58 N	75 18 W	439	31			26.9		21.0		9	93			
LETICIA/VASQUEZ COBO	04 10 S	69 75 W	84	31			25.0		27.2		10	177			
ECUADOR															
SAN CRISTOBAL/GALAPAGOS	00 54 S	89 36 W	6	31	1012.0		21.2	- 1.7	21.6	-0.1	4	1	- 5	1	90
QUITO-BODEGA	00 10 S	78 29 W	2800	31	730.2		13.9	- 0.3	11.7	+1.2	9	10	- 15	3	90
IZOBAMBA-SANTA CATALINA	00 22 S	78 33 W	3058	31	706.5		10.6	- 0.7	9.5	+0.2	15	28	- 2	3	95
PORT VIEJO-GRANJA	01 02 S	80 26 W	44	31	1006.0		21.4	- 2.6	21.8	-0.6	0	0	- 5	0	90
PICHILINGUE	01 06 S	79 28 W	73	31	1003.2		22.0	- 1.2	23.7	-0.4	4	2	- 4	1	85
AMBATO-GRANJA	01 15 S	78 37 W	2680	31			12.4	- 0.1	10.5	-0.3	20	27	- 5	3	
EL PUYO	01 30 S	77 57 W	950	31			19.4	- 0.3	20.8	+0.8	28	394	- 2	3	90
MILAGRO	02 07 S	79 36 W	13	31			22.3	- 1.6	23.0	-0.5	2	1	0	4	100
CANAR	02 33 S	78 56 W	3120	31			9.1	- 1.2	9.9	+0.5	12	33	+ 10	4	90
LOJA/LA ARGELIA	04 02 S	79 12 W	2040	31			14.4	- 0.3	12.1	+1.0	21	76	+ 10	3	115
PERU															
TUMBES	03 33 S	80 24 W	27		1007.4	1009.6	25.7		26.3		0	0		1	
TALARA	04 34 S	81 15 W	90		1002.9	1013.1	20.1		15.8		0	0		5	
CHICLAYO	06 47 S	79 50 W	37		1010.3	1013.5	19.5		17.2		0	0		5	
TRUJILLO	08 06 S	79 02 W	30		1011.3	1014.2	17.9		18.2		0	0		1	
CHIMBOTE	09 10 S	78 31 W	09		1011.5	1012.7	18.2		16.1		0	0		3	
LIMA-CALLAO/INTL AP/	12 00 S	77 07 W	11		1012.7	1014.3	17.2		15.9		0	T		1	
PISCO	13 45 S	76 17 W	7		1012.3	1013.0	16.3		16.1		0	0		4	
SAN JUAN	15 23 S	75 10 W	31		1008.2	1015.3	16.1		14.0		0	0		2	
PIURA	05 11 S	80 36 W	55		1009.1	1015.6	21.2		18.3		0	0		4	
YURIMAGUAS	05 54 S	76 05 W	184		995.2	1016.4	26.8		26.4		3	50		1	
CHACHAPOYAS	06 13 S	77 50 W	2435		762.9	2778 Z	14.5		8.8		5	16		2	
CAJAMARCA	07 08 S	78 28 W	2621		740.5	2707 Z	14.1		8.2		0	0		1	
HUARAZ	09 32 S	77 32 W	3027		736.9		17.8		10.7		0	0		1	
HUMANGA/AYACUCHO/	13 09 S	74 13 W	2761		733.3		16.0		7.9		2	4		1	
CUZCO	13 33 S	71 59 W	3312		688.4		10.2		9.3		2	14		4	
AREQUIPA	16 19 S	71 33 W	2525		752.4		12.5		5.3		0	0		5	
JULIACA	14 30 S	70 09 W	3823		644.3		7.5		4.8		1	4		3	
TACNA	18 04 S	70 18 W	458		963.7	1017.0	13.8		13.9		0	0		2	
MOYOBAMBA	06 02 S	76 58 W	832		918.7		24.3		22.0		0	0		1	
TARAPOTO	06 27 S	76 23 W	313		983.8	1019.0	25.7		26.4		3	7		1	
JUANJUI	07 13 S	76 43 W	350		980.0	1019.3	25.8		26.6		1	7		1	
TINGO MARIA	09 08 S	77 53 W	670		940.6	1012.2	24.1		23.4		12	235		5	
PUCALLPA	08 25 S	74 36 W	150		995.5	1012.7	24.9		26.5		3	45		4	
QUINCEMIL	13 16 S	70 40 W	619		941.6		23.1		23.4		6	16		4	
BOLIVIA															
COBIJA	11 04 S	68 44 W	260	31		1011.6	25.7	+ 2.7			0	0	- 34		
MAGDALENA	13 21 S	64 08 W	236	29		1011.8	26.1	+ 0.8			0	0	- 13		
REYES	14 18 S	67 22 W	200	31		1013.5	26.4	+ 1.9			1	5	- 24		
RURRENABAQUE	14 28 S	67 35 W	200	31		1012.0	25.2	+ 2.2			4	18	- 71		
TRINIDAD	14 45 S	64 48 W	236	31		1013.1	25.6	+ 1.6			2	8	- 36		
CONCEPCION	16 15 S	62 03 W	490	30		1013.9	23.3	+ 2.3			1	2	- 26		
SAN IGNACID DE VELASCO	16 22 S	60 59 W	370	31		1012.7	24.6	+ 4.6			1	0	- 14		
SANTA CRUZ	17 47 S	63 10 W	437	31		1011.8	22.2	+ 1.2			6	22	- 26		
ROBORE	18 20 S	59 45 W	300	31		1011.8	25.6	+ 3.0			1	1	- 19		
POTOSI	19 35 S	65 45 W	4002	26	632.6		9.1	+ 3.1			0	0	- 1		
CAMIRI	20 06 S	63 33 W	792	31		1010	19.4	+ 1.4			2	2	- 15		
VILLA-MONTES	21 16 S	63 30 W	400	30		1017	19.8	+ 1.7			1	1	- 3		
TARIJA	21 32 S	64 47 W	1905	31	813		17.7	+ 3.7			0	0	0		
YACUIBA	22 01 S	63 43 W	580	30		1009	18.2	+ 2.2			3	6	+ 1		
EL ALTO	16 30 S	68 11 W	4050	31	627.2		7.3	+ 1.3			2	0	- 7		
ORURO	17 58 S	67 07 W	3706	31	653.0		6.9	+ 0.9			0	0	- 3		
COCHABAMBA	17 23 S	66 10 W	2570	31	750.2		15.8	+ 0.8			0	0	- 2		
SUCRE	19 03 S	65 10 W	2850	31	719.6		14.5	+ 1.5			0	0	- 2		
PUERTO SUAREZ	18 57 S	57 52 W	154	31		1016.7	25.3	+ 4.3			0	0	- 22		
BRAZIL-NORTHERN															
BOA VISTA	02 49 N	60 39 W	90	31			25.5	- 0.2	28.2	+3.1	20	386	+ 40	3	
S.GAB. DO CACHOEIRA/UAPES	00 08 S	67 05 W	87	31	1001.9	1011.7	24.2	- 0.1	28.0	+0.3	19	203	- 43	2	
COARI	04 05 S	63 08 W	48	31	1004.0	1009.5	25.0	- 0.4	29.0	+0.6	13	151	+ 63	4	
MANAUS	03 07 S	60 01 W	60	31	1002.6	1011.6	27.2	+ 0.3	27.1	-1.4	9	82	+ 21	4	
MANAUS AERO PONTA PELADA	03 09 S	59 59 W	84			U									
CRUZEIRO DO SUL	07 38 S	72 36 W	170	31	990.6	1010.1	25.2	+ 2.3	26.4	+2.2	6	48	+ 1	3	
PORTO VELHO/AEROPORTO	08 46 S	63 55 W	105				24.2	+ 0.8	26.8	+3.4	3	16	+ 5	4	
VILHENA /AEROPORTO/	12 44 S	60 08 W	652			U									
RIO BRANCO	09 58 S	67 48 W	136	31	995.4	1010.5	23.7		24.3		3	18			
SAO FELIX DO XINGU	06 38 S	51 59 W	150		990.7	1012.3	25.3		26.7		2	25			
BELEM	01 28 S	48 29 W	24	31	1011.0	1011.7	25.6	- 0.3	30.6	+2.7	15	112	- 49	1	
BELEM/AERO VAL DE CAS	01 23 S	48 29 W	16			U									
SAO LUIZ	02 32 S	44 17 W	51	31	1005.9	1011.7	25.8		28.6		14	86		3	
FORTALEZA	03 43 S	38 33 W		31	1009.5	1012.6	24.8		26.7		17	142		6	
CEARA-MIRIM	05 39 S	35 25 W	64	31	1006.0	1013.4	25.0	+ 0.6	25.6	+1.0	13	71	-137	1	
NATAL /AUGUSTO SEVERO/	05 55 S	35 15 W	49			U									

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SOUTH AMERICA															
BRAZIL-NORTHERN															
CONCEICAO DO ARAGUAIA	08 16 S	49 17 W	157	31			26.1	+ 1.6			1	3	- 2	4	
CAROLINA	07 20 S	47 28 W	183	31	990.1	1014.0	26.3		17.7		0	0		4	
BARRA DO CORDA	05 30 S	45 16 W	82	31	993.5	1013.4	24.5	+ 0.2	23.1	+1.0	1	23	+ 18	5	
FLORIANO	06 46 S	43 01 W	110	31	997.6	1013.4	26.6		18.8		2	2			
QUIXERAMOBIM	05 12 S	39 18 W	199		988.3	1012.2	24.9	- 2.0	21.7	+1.7	5	56	+ 36	5	
PORTO NACIONAL	10 42 S	48 25 W	238	31	985.6	1012.6	25.9	+ 1.3	18.3	-0.7	1	4	+ 2	4	
BOM JESUS DA LAPA	13 16 S	43 25 W	440	31	964.1	1015.7	24.2		16.8		1	1			
PETROLINA	09 23 S	40 30 W	370	31	972.7	1014.5	24.3		18.0		0	0			
RECIFE /CURADO/	08 04 S	34 51 W	19	31	1014.2	1015.0	24.1	0.0	25.9	+1.4	28	602	+378	6	
ARACAJU	10 55 S	37 03 W	6	31	1013.9	1014.6	25.1	+ 1.3	24.4	+1.2	18	97	- 64	1	
SALVADOR (OLINDA)	13 00 S	38 31 W	51	31	1010.1	1016.1	24.1	+ 0.8	24.2	+0.5	22	135	- 72	1	
BRAZIL SOUTHERN															
CUIABA	15 36 S	56 06 W	165	31	996.2	1013.8	23.7	+ 0.9	18.2	0.0	0	0	- 6	3	
PONTA PORA	22 32 S	55 44 W	650		937.7	1014.8	18.8	+ 3.3	14.5	+1.3	2	4	- 58	1	
CAMPO GRANDE	20 28 S	54 40 W	567	31	954.7	1014.3	21.5	+ 2.4	14.0	-0.9	0	0	- 36	1	
TRES LAGOAS	20 47 S	51 42 W	314	31	978.5	1014.4	21.2	+ 2.4	14.7	-1.5	1	2	- 22	2	
GOIANIA	16 41 S	49 15 W	733	31	931.6	1013.6	22.3	+ 3.9	13.4	0.0	0	0	- 8	4	
MONTES CLAROS	16 44 S	43 52 W		31	944.3	1016.9	20.1		14.7		0	0		4	
BRASILIA/CRUZEIRO/	15 46 S	47 56 W	1161	31	888.5	1014.3	19.0		11.7		0	0			
BRASILIA/AEROPORTO/	15 52 S	47 56 W	1061			U									
ARAXA	19 34 S	46 58 W	950	31	903.4	1016.9	19.2	+ 2.3	13.8	+1.2	1	4	- 6	3	
BELO HORIZONTE	19 50 S	43 56 W	915	31	922.4	1017.3	19.0	+ 1.3	17.1	+3.7	2	6	- 1	4	
CARAVELAS	17 44 S	39 15 W	4	31	1018.1	1018.6	22.5	+ 1.7	20.9	0.0	11	269	+150	6	
CORUMBA	19 01 S	57 40 W	140	31	996.1	1013.8	22.7	+ 1.3	19.6	+1.7	0	0	- 29	1	
TRINIDADE/ILHA/	20 30 S	29 19 W	21		1019.7	1020.4	24.0		20.5		13	56			
JUIZ DE FORA	21 46 S	43 21 W	683	31	914.5	1019.7	17.0		14.5		2	4		2	
RIO DE JANEIRO	22 54 S	43 10 W	26	31	1018.1	1018.5	22.4	+ 1.6	20.7	+1.8	6	22	- 21	2	
RIO DE JANEIRO/AERO GALEAO	22 49 S	43 15 W	6			U									
LONDRINA	23 23 S	51 11 W	566	31	950.8	1016.1	18.3		14.1		1	5			
SAO PAULO	23 30 S	46 37 W	795	31	928.9	1016.9	17.4	+ 2.4	14.2	+0.9	3	28	- 8	3	
SAO PAULO(AEROPORTO)	23 37 S	46 39 W	803			U									
CURITIBA	25 26 S	49 14 W	949	31	914.3	1018.1	13.9	+ 1.3	12.8	+1.2	3	50	- 31	3	
CURITIBA/AERO AFONSO PENA	25 31 S	49 10 W	908			U									
FLORIANOPOLIS (AEROPORTO)	27 40 S	48 33 W	5	31	1017.4	1017.6	16.3		16.0		14	91		4	
ALEGRETE	29 47 S	55 47 W	103	31	1000.5	1022.1	10.8	- 1.8	13.0	+1.4	11	96	- 13	3	
IGUAPE	24 43 S	47 33 W	4	31	1017.6	1018.1	18.7		18.4		9	77		2	
PORTO ALEGRE	30 05 S	51 11 W	7	31	1011.3	1017.1	14.6	+ 0.3	13.6	+0.2	11	126	- 2	3	
PORTO ALEGRE/AERO S.FILHO	30 00 S	51 11 W	3			U									
SANTA VITORIA DO PALMAR	33 31 S	53 22 W	6	31	1012.6	1017.2	10.2	- 1.1	11.5	0.0	9	257	+160	5	
CHILE															
ARICA/CHACALLUTA	18 22 S	70 21 W	35	31	1009.3	1016.8	15.8	- 0.5	13.8	-0.8	0	0	- T	4	
ANTOFAGASTA/CERRO MORENO	23 28 S	70 26 W	122	31	1001.8	1016.2	13.5	+ 0.4	12.2	+1.2	0	0	- 1	4	
ISLA DE PASCUA/MATAVERI	27 10 S	109 26 W	41	31	1015.4	1021.0	16.9	- 0.9	15.4	-1.9	12	172	+ 80	5	
JUAN FERNANDEZ	33 37 S	78 50 W	6	31	1011.6	1015.2	11.8	- 1.1	10.8	-1.0	12	246	+ 85	5	
LA SERENA	29 54 S	71 15 W	32	31	999.1	1016.4	10.2	- 1.5	11.1	0.0	6	188	+160	6	
QUINTERO	32 47 S	71 32 W	2	31			11.2	+ 0.9			11	327	+264	6	
PUNTA ANGELES	33 01 S	71 39 W	41	31	1012.4	1015.1	11.8	+ 0.1	11.6	+0.6	12	391	+310	6	
SANTIAGO/PUDAHUEL	33 26 S	70 50 W	480	31	960.6	1017.2	7.4	- 0.8	9.1	+0.1	11	247	+186	6	
VALDIVIA/PICHOY	39 37 S	73 04 W	53	31	1014.1	1016.4	6.0	- 1.7	8.6	-0.9	19	288	- 86	2	
PUERTO MONTT /EL TEPUAL	41 26 S	73 07 W	110	31	1003.7	1014.2	5.1	- 2.6	7.7	-1.8	20	178	- 55	2	
ISLA GUAFA	43 34 S	74 44 W	140	31	995.6	1012.6	6.8	- 0.9	8.9	-0.2	23	131	- 75	2	
PUNTA ARENAS/CARLOS IBANEZ	53 02 S	70 51 W	33	31	1004.9	1009.5	- 0.7	- 3.2	4.8	-1.1	6	19	- 47	2	
PARAGUAY															
CONCEPCION /PISTA/	23 27 S	57 16 W	95	31	1004.7	1014.7	20.1	+ 1.3	16.0	+0.8	2	29	- 14	2	
PTC STROESSNER/AERO	25 16 S	57 38 W	101	31	1004.3	1015.1	18.7	+ 0.3	15.1	+0.3	3	6	- 45	0	
VILLARRICA	25 45 S	56 26 W	155	31	997.3	1016.0	17.6	+ 0.3	15.3	+1.3	7	20	- 53	1	
PUERTO POTE STROESSNER	25 32 S	54 36 W	196	31	993.0	1014.7	17.8	+ 1.7	11.9	-3.3	6	43	- 49	1	
PILAR	26 51 S	58 19 W	55	31	1009.9	1016.6	17.0	+ 0.3	15.3	+1.6	6	31	- 16	3	
ENCARNACION	27 20 S	55 50 W	80	31	1006.6	1016.1	16.4	+ 0.1	14.6	+0.9	7	50	- 52	1	
ARGENTINA-NORTHERN															
LA QUIACA OBSERVATORIO	22 06 S	65 36 W	3459	31	672.1	3120 Z	4.0	+ 0.2	2.2	-0.1	0	0	- T	5	105
JUJUY AERO	24 23 S	65 05 W	905	31	911.1	1485 Y	12.4	+ 0.3	10.1		1	4			
SALTA AERO	24 51 S	65 29 W	1226	31	876.9	1481 Y	12.2	+ 2.3	8.0	0.0	0	2	- 1	3	70
CATAMARCA AERO	28 36 S	65 46 W	456	31	959.3	1012.3	10.6	- 1.0	8.1	0.0	1	2			
LA RIOJA AERO	29 23 S	66 49 W	430		962.6	1013.0	10.1	- 0.7	8.5	+0.7	0	0	- 3	3	80
SAN JUAN AERO	31 34 S	68 25 W	598	31	945.4	1015.8	7.7		6.6		0	0			70
CHEPES	31 20 S	66 36 W	658	31	938.2	1014.2	9.6	- 0.8	7.6	-0.3	1	3	- 14		
MENDOZA AERO	32 51 S	68 47 W	703	31	933.7	1016.3	7.0	- 0.6	5.2	-1.5	4	20	+ 15	5	
MENDOZA OBSERVATORIO	32 50 S	68 51 W	828	31	918.9	1463 Y	6.3	- 1.5	7.3	+0.9	4	22	+ 17	6	60
SAN LUIS AERO	33 16 S	66 21 W	713	31	931.1	1013.8	8.1	- 1.2	6.9	0.0	1	2	- 4	3	
VILLA REYNOLDS AERO	33 44 S	65 23 W	486	31	958.1	1015.8	6.5	- 1.4	7.6	+0.2	4	9	- 2	4	75
CORDOBA AERO	31 19 S	64 13 W	474	31	958.9	1014.7	9.1	- 1.4	8.0	-0.3	2	6	- 2	3	90
CORDOBA	31 24 S	64 11 W	425	31	965.0	1015.0	10.3	- 0.9	8.1	-0.2	1	3	- 4	3	80
PILAR OBSERVATORIO	31 40 S	63 53 W	338	31	976.3	1016.7	9.1	- 1.2	7.8	-0.9	0	1	- 9	3	85
RIO CUARTO AERO	33 05 S	64 16 W	421	31	965.7	1015.9	7.6	- 1.6	7.7	-0.3	0	2	- 8	2	60
RIVADAVIA	24 10 S	62 54 W	205	31	987.7	1011.7	16.1	- 0.1	14.1	+2.4	1	1	- 6	2	
LAS LOMITAS	24 42 S	60 35 W	130	31	997.7	1012.7	18.4	+ 1.6	14.5	+1.7	1	4	- 13	2	90
FORMOSA AERO	26 12 S	58 14 W	60	31	1006.2	1013.1	17.7	+ 0.9	16.6	+2.0	3	7	- 41	1	105

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SOUTH AMERICA															
ARGENTINA-NORTHERN															
SANTIAGO DEL ESTERO AERO	27 46 S	64 18 W	199	31	989.9	1013.7	11.8	- 0.8	10.3	+0.3	1	3	- 1	4	85
PRES. ROQUE SAENZ PENA	26 49 S	60 27 W	92	31	1003.1	1013.9	16.0	+ 0.4	14.5	+1.7	1	2	- 18	1	
RESISTENCIA AERO	27 27 S	59 03 W	52	31	1007.9	1014.2	15.9	+ 0.6	14.5	+0.6	1	7	- 37	1	120
CORRIENTES AERO	27 27 S	58 46 W	62	31	1006.3	1013.5	16.1	+ 0.7	14.9		3	23	- 23	2	
POSADAS AERO	27 22 S	55 58 W	133	31	999.8	1015.2	17.1	+ 1.1	15.0	+0.7	10	38	- 60	1	90
RECONQUISTA AERO	29 11 S	59 40 W	49	31	1008.7	1015.1	13.5	- 0.7	13.5	+0.1	2	50	+ 16	4	70
CERES	29 53 S	61 57 W	88	31	1004.1	1014.6	11.2	- 1.3	10.7	-0.1	0	1	- 17	1	85
PASO DE LOS LIBRES	29 41 S	57 09 W	70	31	1007.3	1015.6	13.4	- 0.2	13.9	+1.0	5	70	- 12	3	115
PARANA AERO	31 47 S	60 29 W	62	31	1007.4	1016.8	10.0	- 1.6	10.6	-0.8	4	28	- 5	3	80
CONCORDIA AERO	31 18 S	58 01 W	38	31	1012.5	1017.0	11.8	- 1.7	11.6	-0.5	8	37	- 35	2	
ROSARIO AERO	32 55 S	60 47 W	27	31	1013.4	1016.4	9.6	- 0.7	9.8	-0.7	2	11	- 28	2	65
GUALEGUAYCHU AERO	33 00 S	58 37 W	24	31	1012.9	1015.8	9.5	- 1.6	10.4	-1.0	5	115	+ 58	5	80
ARGENTINA-SOUTHERN															
BARILOCHE AERO	41 09 S	71 10 W	836	31	916.2	1438 Y	0.1	- 2.2	5.2	-0.9	13	151	+ 2	4	85
MAQUINCHAO	41 15 S	68 44 W	888	31	910.6	1431 Y	- 2.9	- 4.5	3.8	-1.4	7	40	+ 22	5	
ESQUEL AERO	42 56 S	71 09 W	785	31	919.4	1013.1	- 1.5	- 3.5	4.6	-0.8	11	46	- 40	1	
SAN RAFAEL AERO	34 35 S	68 24 W	747	31	925.5	1012.9	5.4	- 2.0	6.4	-0.1	4	39	+ 30	6	
LABOULAYE	34 08 S	63 24 W	138	31	999.8	1016.4	7.4	- 1.5	8.3	-0.3	1	3	- 10	3	75
JUNIN AERO	34 33 S	60 57 W	81	31	1007.4	1017.4	7.4	- 1.7	8.9	-0.9	2	13	- 23	2	75
PUNTA INDIO B.A.	35 22 S	57 17 W	22	31	1014.7	1017.5	8.4		9.2	-1.2	6	52			
PEHUAJO AERO	35 51 S	61 52 W	87	31	1006.7	1017.2	6.9	- 1.3	9.2	0.0	2	10	- 27	2	
SANTA ROSA AERO	36 34 S	64 16 W	189	31	994.1	1017.4	6.1	- 1.5	7.8	-0.1	3	19	+ 1	4	70
NEUQUEN AERO	38 57 S	68 08 W	270	31	983.4	1016.4	4.5	- 1.2	6.7		8	30	+ 17	5	
AZUL AERO	36 44 S	59 50 W	132	31	1001.0	1017.1	6.0	- 1.2	8.3	-0.6	6	20	- 32	2	75
EZEIZA AERO	34 49 S	58 32 W	20	31	1014.7	1017.2	9.2	- 0.6	9.1	-1.1	3	30	- 35	1	
AERO PARQUE	34 34 S	58 25 W	69	31	1016.4	1017.2	9.7	- 1.3	9.6	-1.0	3	52	- 13	3	
BUENOS AIRES/OBS. CENTRAL	34 35 S	58 29 W	25	31	1014.3	1017.4	9.4	- 1.6	9.6	-1.2	4	66	- 6	3	80
DOLORES AERO	36 21 S	57 44 W	9	31	1015.5	1016.6	7.0	- 1.4	9.0	-0.8	5	49	- 13	2	70
MAR DEL PLATA AERO	37 56 S	57 35 W	24	31	1013.7	1016.3	7.1	- 1.2	8.9	-0.5	9	100	+ 36	4	
TRES ARROYOS AERO	38 20 S	60 15 W	115	31	1002.9	1017.0	6.1	- 1.4	8.1	-0.3	7	93	+ 44	5	
PIGUE AERO	37 37 S	62 25 W	298	31	980.1	1017.1	5.1	- 1.3	7.7	-0.1	7	26	- 1	4	50
COMANDANTE ESPORA B.N.	38 44 S	62 10 W	74			U									
BAHIA BLANCA AERO	38 44 S	62 11 W	72	31	1005.9	1016.0	6.0	- 1.7	8.3	+0.4	5	52	+ 23	4	
VIEDMA AERO	40 51 S	63 01 W	8	31	1014.7	1015.6	5.3		7.3		8	40			
TRELEW AERO	43 14 S	65 19 W	39	31	1010.5	1015.8	3.5	- 2.6	6.2	+0.3	10	42	+ 26	5	75
PASO DE INDIOS	43 49 S	68 53 W	0	31	958.7	1015.1	- 1.1		4.8		11	64			
COMODORO RIVADAVIA AERO	45 47 S	67 30 W	61	31	1007.9	1013.7	3.4	- 3.0	5.7	+0.1	4	35	+ 9	4	95
PUERTO DESEADO AERO	47 44 S	65 55 W	79	26	1006.5	1016.3	1.2	- 2.2	5.5	-0.6	3	9	- 17	2	
SAN JULIAN AERO	49 18 S	67 43 W	26	31	1004.9	1012.6	0.1	- 2.9	4.6		5	20	- 7	3	
LAGO ARGENTINO AERO	50 20 S	72 18 W	220	31	985.3	1012.7	- 2.3	- 3.1	4.2	-0.6	4	7	- 22	1	
SANTA CRUZ AERO	50 01 S	68 34 W	111	31	997.7	1011.7	- 2.6	- 4.0	4.6		2	9		3	
RIO GALLEGOS E.N.	51 38 S	69 13 W	27			U									
URUGUAY															
SALTO	31 23 S	57 58 W	46	31	1011.6	1016.3	11.6	- 0.9	11.1	+0.3	6	37	- 21	3	
MELO	32 25 S	54 20 W	93	31	1004.4	1016.7	10.6	- 1.3	11.3	-0.2	11	263	+165	5	
PASO DE LOS TOROS	32 46 S	56 32 W	79	31	1006.8	1016.1	9.9	- 1.6	10.5	-1.2	10	181	+115	5	
MERCEDES	33 15 S	58 04 W	22	31	1015.0	1017.0	10.1	- 1.8	10.0	-1.1	6	86	+ 38	4	
TREINTA Y TRES	33 11 S	54 21 W	44	31	1011.1	1016.9	10.2	- 1.5	10.6	-0.3	10	315	+237	6	
COLONIA	34 28 S	57 51 W	20	31	1013.6	1016.5	9.5	- 2.3	9.5	-1.7	4	94	+ 30	4	
MONTEVIDEO/PRADO	34 52 S	56 12 W	22	31	1014.8	1016.8	9.3	- 1.2	9.7	-1.0	6	121	+ 54	5	
PUNTA DEL ESTE	34 58 S	54 57 W	16	31	1014.7	1016.6	10.4	- 1.0	10.2	-1.0	8	165	+100	5	
ROCHA	34 30 S	54 20 W	22	31	1014.6	1017.0	9.9	- 0.8	10.5	-1.2	8	169	+102	5	
ANTARCTICA															
BELLINGSHAUSEN	62 12 S	58 56 W	16		998.3	1000.3	- 4.2		4.1		10	26			
RUSSKAYA	74 42 S	136 51 E	100		955.3	972.2	-27.8		0.8		6	182			
CENT.MET.ANT.PDTE.ED.FREI	62 25 S	58 53 W	10	31	1000.5	1001.6	- 4.1		3.7		11	32			
B.A. ARTURO PRAT	62 30 S	59 41 W	5	31	999.9	1000.5	- 4.3		3.8		11	46			
B.A. BERNARDO O'HIGGINS	63 19 S	57 54 W	10	31	997.3	998.5	- 5.4		3.6		12	37			
B. A. VICECOMODORO MARAMBIO	64 14 S	56 43 W	198	31	963.1	988.1	- 8.6		3.1		0	6			
NOVOLAZAREVSKAJA	70 46 S	11 50 E	87		975.4	990.5	-17.9		8.3		2	8			
SYOWA	69 00 S	39 35 E	15		986.4	989.2	-21.8								
MOLODEZNAJA	67 40 S	45 51 E	40		982.4	987.3	-22.7		0.7		4	8			
MIRNYJ	66 33 S	93 01 E	30		974.0	991.0	-17.4		13.2		7	50			
LENINGRADSKAJA	69 30 S	159 23 E	300		945.4	983.9	-25.7		0.4		1	2			
VOSTOK	78 27 S	106 52 E	3420		622.2	1007.2	-65.5				3	10			
AMUNDSEN-SCOTT	90 00 S		2800		675.9		-54.8				0	T			
EUROPE															
GREENLAND															
NORD	81 36 N	16 40 W	36	31	1005.8	1010.3	3.2	- 0.7	6.2						
DANMARKSHAVN	76 46 N	18 46 W	12	31	1009.5	1011.0	3.7	+ 0.2	6.2		3	23	+ 13		
DANMARKSHAVN	76 46 N	18 46 W	14			U									
KAP TOBIN	70 25 N	21 58 W	22			U									
SCORESBYSUND	70 29 N	21 58 W	68	31	1003.9	1012.3	5.4	+ 2.9	7.5		6	36	+ 8		
EGEDESMINDE	68 42 N	52 45 W	47	31	1003.2	1009.0	6.6	+ 0.2	9.3		2	4	- 41		
EGEDESMINDE	68 42 N	52 45 W	27			U									
GODTHAB	64 10 N	51 45 W	50	31	1004.4	1007.8	7.3	+ 0.2	8.7		8	56	- 12		
ANGMAGSSALIK	65 36 N	37 38 W	50	31	1007.0	1011.4	6.4	- 0.2	8.4		13	129	+ 70		
ANGMAGSSALIK	65 36 N	37 38 W	50			U									
NARSSARSSUAQ	61 11 N	45 26 W	4			U									

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
GREENLAND															
PRINS CHRISTIAN SUND	60 02 N	43 07 W	76	31	1000.5	1009.9	5.7	- 1.3	7.8						
ICELAND															
REYKJAVIK	64 08 N	21 56 W	16	31	1004.1	1011.5	11.2	0.0	11.6	+1.0	14	113	+ 65	6	54
KEFLAVIK	63 58 N	22 36 W	54	31	1005.0	1011.5	10.6	- 0.1	11.5	+1.1	18	129	+ 71		
AKUREYRI	65 41 N	18 05 W	27	31	1007.7	1011.0	12.7	+ 1.8	11.8	+1.7	7	20	- 15	2	83
HOFN I HORNAFIRDI	64 15 N	15 11 W	11	31	1010.1	1011.5	11.1	+ 0.6	11.7		12	53	- 27		64
UNITED KINGDOM															
LERWICK	60 08 N	01 11 W	82	31	1005.1	1015.1	11.9	- 0.1	12.3	-0.5	12	35	- 44	1	58
STORNOWAY	58 13 N	06 19 W	13	31	1015.1	1016.9	13.5	+ 0.2	13.3	0.0	10	75	- 12	3	58
TIREE	56 30 N	06 53 W	9	31	1016.7	1017.8	13.9	+ 0.2	13.3	-0.2	8	38	- 53	1	98
ABERDEEN/DYCE	57 12 N	02 12 W	59	31	1009.0	1016.7	15.1	+ 1.1	13.2	-0.1	7	68	- 24	2	100
EDINBURGH/TURNHOUSE AP	55 57 N	03 21 W	35	31	1013.0	1017.3	16.0	+ 1.3	11.8	-1.7	4	25	- 59		131
ESKDALEMUIR	55 19 N	03 12 W	242	31	989.3	1017.5	14.5	+ 1.2	12.4	-0.6	7	29	-102	0	151
LEEMING	54 18 N	01 32 W	32	31	1014.1	1018.0	16.4		13.2		2	9			
BELFAST/ALDERGROVE AP	54 39 N	06 13 W	68	31	1010.1	1018.3	15.7	+ 1.0	13.1	-1.0	7	64	- 30	2	145
VALLEY	53 15 N	04 32 W	10	31	1017.3	1018.7	16.0	+ 0.9	13.8	-0.6	4	31	- 30	1	160
AUGHTON	53 33 N	02 55 W	56			U									
MANCHESTER AIRPORT	53 21 N	02 16 W	75	31	1009.3	1018.4	16.9	+ 1.1	12.7	-1.5	3	13	- 66	0	165
BIRMINGHAM AP	52 27 N	01 44 W	97	31	1006.8	1018.5	16.7	+ 0.8	12.3	-1.5	4	28	- 28		154
WADDINGTON	53 10 N	00 31 W	68	31	1010.0	1018.4	16.5	+ 0.2	13.0	-1.6	6	17	- 45	1	122
LONDON/GATWICK AIRPORT	51 09 N	00 11 W	60	31	1012.2	1019.2	16.9		13.1	-	6	16			
CRAWLEY	51 05 N	00 13 W	144			U									
CARDIFF-WALES AP	51 24 N	03 21 W	67	31	1011.3	1019.0	17.3		13.6		3	22			
BOURNEMOUTH/HURN AP	50 47 N	01 50 W	11	31	1018.0	1019.2	16.3		13.5		6	14			
PLYMOUTH/MOUNT BATTEN	50 21 N	04 07 W	27	31	1016.2	1019.5	16.8	+ 0.9	14.7	-0.6	6	28	- 43	1	139
IRELAND															
MALIN HEAD	55 22 N	07 20 W	25	31	1015.1	1018.1	14.5	+ 0.5	13.8	+0.2	11	45	- 49		93
BELMULLET	54 14 N	10 00 W	10	31	1017.1	1018.3	15.0	+ 0.6	14.5		6	49	- 39		99
DUBLIN AIRPORT	53 26 N	06 15 W	81	31	1008.2	1018.3	16.2	+ 1.1	13.5	0.0	7	31	- 39		156
SHANNON AIRPORT	52 41 N	08 55 W	7	31	1016.0	1018.3	17.4	+ 1.9	13.9	-0.4	9	35	- 49		142
CORK AIRPORT	51 51 N	08 30 W	162	31	999.4	1018.7	15.9	+ 1.1	14.1		7	46	- 38		
VALENTIA OBSERVATORY	51 56 N	10 15 W	14	31	1017.0	1018.7	15.9	+ 0.9	15.4	+0.9	8	79	- 28	2	146
DENMARK AND FAROE IS															
THORSHAVN	62 01 N	06 46 W	24	31	1011.0	1013.9	11.5	+ 0.5	12.1		8	42	- 37	1	116
THORSHAVN	62 01 N	06 46 W	55			U									
ALBORG	57 06 N	09 52 E	3	31	1012.0	1012.4	15.3	- 1.1	13.2		5	22	- 48	1	
KOBENHAVN/JAEGERSBORG	55 46 N	12 32 E	40			U									
KOBENHAVN/LANDBOHOJSKOLEN	55 41 N	12 33 E	5	31	1012.4	1013.0	17.0	- 0.8	14.4		5	37	- 34	1	102
RONNE	55 04 N	14 45 E	16	31	1012.9	1014.2	15.1	- 1.4	14.0		6	50	- 7	3	
NORWAY															
BJORNOYA	74 31 N	19 01 E	14	31	1009.1	1010.8	3.7	- 0.8	7.3		6	25	- 4	3	
BJORNOYA	74 31 N	19 01 E	18			U									
JAN MAYEN	70 56 N	08 40 W	9	31	1010.9	1012.1	4.6	- 0.6	7.3		11	T	+ 12	2	
VARDO	70 22 N	31 06 E	15	31	1006.8	1008.6	8.8	- 0.3	10.4	+0.2	13	117	+ 76	6	
SVALBARD LUFTHAVN	78 15 N	15 28 E	29	31	1008.4	1011.9	6.6		7.3		5	16			
TROMSO/LANGNES	69 41 N	18 55 E	10	31	1008.7	1009.8	9.8	- 2.5	9.7	-1.8	16	66	+ 17		46
BODO	67 17 N	14 25 E	13	31	1009.0	1010.5	10.9	- 2.7	11.3	-1.3	13	136	+ 66	5	26
BODO	67 15 N	14 24 E	8			U									
ORLAND	63 42 N	09 37 E	7	31	1011.5	1012.6	12.4	- 1.3	12.3	-0.3	16	73	+ 8	2	
ORLAND	63 42 N	09 24 E	10			U									
BERGEN/FREDRIKSBERG	60 24 N	05 19 E	44	31	1007.9	1013.1	13.7	- 1.3	13.0	-1.0	9	70	- 71	1	103
STAVANGER/SOLA	58 53 N	05 38 E	8	31	1012.6	1013.7	13.8	- 0.9	12.3	-1.2	4	33	- 56	1	
STAVANGER/SOLA	58 52 N	05 40 E	33			U									
OSLO/BLINDERN	59 56 N	10 44 E	96	31	999.2	1010.5	16.1	- 1.2	11.9	-1.8	9	86	+ 2	2	102
OSLO/GARDERMOEN	60 12 N	11 05 E	203	31	986.3	1010.2	15.2	- 0.8	11.2	-1.9	7	59	- 35	1	
OSLO/GARDERMOEN	60 12 N	11 06 E	201			U									
SWEDEN															
KARESUANDO	68 27 N	22 30 E	327	31	970.0	1008.7	11.1	- 2.6	10.1	-1.5	15	63	0	2	32
HAPARANDA	65 50 N	24 09 E	7	31	1006.8	1007.5	14.3	- 2.0	13.6	+0.1	14	91	+ 37	5	50
STENSELE	65 04 N	17 10 E	327	31	975.5	1008.6	13.1	- 1.2	9.7	-2.2	8	53	- 27	2	
OSTERSUND/FROSON	63 11 N	14 30 E	366	31	968.0	1011.0	12.8	- 1.7	10.8		6	23	- 45	0	71
HARNOSAND	62 38 N	17 57 E	8	31	1007.8	1009.0	15.3	- 1.0	13.0	-0.9	8	75	+ 17	4	76
SUNDSVALL-HARNOSAND	62 32 N	17 27 E	6			U									
STOCKHOLM/BROMMA	59 21 N	17 57 E	22			U									
KARLSTAD	59 22 N	13 28 E	55	31	1005.1	1010.5	15.8	- 1.4	13.8	-0.5	9	72	+ 12	4	85
JONKOPING FLYGPLATS	57 46 N	14 05 E	232	31	984.9	1011.4	15.1	- 0.6	13.6		10	65	- 15	2	104
GOTEBORG/SAVE	57 47 N	11 53 E	53	31	1005.7	1012.0	16.2	- 0.8	14.4	0.0	8	53	- 21	2	82
GOTEBORG/LANDVETTER	57 40 N	12 18 E	155			U									
VISBY	57 40 N	18 21 E	47	31	1004.7	1010.7	15.5	- 1.6	13.0	-2.2	9	125	+ 73	5	81
FINLAND															
SODANKYLA	67 22 N	26 39 E	180	31	985.9	1007.2	12.7	- 2.0	11.4	+0.6	15	112	+ 38	5	41
KAJAANI	64 17 N	27 41 E	136	31	990.5	1006.5	15.1	- 1.0	13.0	+0.3	15	86	+ 14	4	64
JYVASKYLA/LUONETJARVI	62 24 N	25 40 E	145	31	989.4	1006.5	15.0	- 1.3	13.6	+0.4	19	95	+ 14	4	61
VAASA	63 03 N	21 46 E	8	31	1006.2	1007.2	15.2	- 1.0	13.3	0.0	10	55	- 6	3	66
JOKIOINEN	60 49 N	23 29 E	103	31	995.4	1007.6	14.8	- 1.6	13.6	+0.4	11	91	+ 25	4	74

SURFACE DATA

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE: MEAN STATION	PRESSURE: MEAN SEA LEVEL	TEMPERATURE: MEAN	TEMPERATURE: DEPARTURE	VAPOR PRESSURE: MEAN	VAPOR PRESSURE: DEPARTURE	PRECIPITATION: NO. OF DAYS ≥ MM.	PRECIPITATION: TOTAL	PRECIPITATION: DEPARTURE	PRECIPITATION: QUINTILE	SUNSHINE: PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
FINLAND															
TURKU	60 31 N	22 16 E	54	31	1001.0	1007.9	15.4	- 1.7	13.7	+0.3	15	146	+ 79	5	71
HELSINKI/SEUTULA	60 19 N	24 58 E	58	31	1000.9	1007.5	15.2	- 1.9	14.0	+0.3	13	110	+ 37	5	83
FRANCE															
CHERBOURG-MAUPERTUS	49 39 N	01 28 W	138	31	1003.2	1019.7	16.1		13.5		6	19			
BREST/GUIPAVAS	48 27 N	04 25 W	103	31	1006.9	1019.2	17.1	+ 1.5	14.9	-0.1	7	26	- 36	1	128
NANTES	47 10 N	01 37 W	27	31	1016.2	1019.4	19.9	+ 1.1	14.2	-1.6	5	20	- 28	2	138
TRAPPES	48 46 N	02 01 E	168	31	999.4	1019.2	18.4	+ 0.6	14.3	-0.9	7	38	- 14	3	119
PARIS/LE BOURGE	48 58 N	02 27 E	65	31	1011.9	1019.6	18.7	- 0.3	13.8	-1.2	5	32	- 23	2	131
NANCY/ESSEY	48 41 N	06 13 E	217	31	993.8	1019.2	18.0	- 0.3	14.9	-0.5	6	34	- 26	2	114
STRASBOURG/ENTZHEIM	48 33 N	07 38 E	154	31	1001.1	1019.2	18.4	- 0.6	15.1	-0.9	7	51	- 26	2	109
DIJON	47 16 N	05 05 E	227	31	992.5	1019.1	19.0	- 0.6	13.5	-1.7	5	35	- 23	2	114
BOURGES	47 04 N	02 22 E	166	31	999.8	1019.3	19.3	- 0.1	13.0	-2.0	5	32	- 20	2	142
LIMOGES/BELLEGARDE	45 52 N	01 11 E	396	31	972.9	1019.3	19.4	+ 1.0	13.3	-1.4	5	33	- 38	2	132
LYON/BRON	45 43 N	04 57 E	201	31	995.4	1018.7	21.7	+ 1.0	14.7	-0.9	2	24	- 32	2	122
LYON/SATOLAS	45 44 N	05 05 E	240			U									
BORDEAUX/MERIGNAC	44 50 N	00 42 W	51	31	1012.1	1019.2	20.6	+ 1.0	15.3	-1.1	4	26	- 30	1	123
TOULOUSE/BLAGNAC	43 38 N	01 22 E	153	31	1001.1	1019.0	21.7	+ 0.9	16.1	-0.4	1	11	- 33	1	125
PERPIGNAN	42 44 N	02 52 E	48	31	1012.6	1018.2	23.4	- 0.4	17.2	+0.2	0	1	- 23	0	103
NIMES/COURBESSAC	43 52 N	04 24 E	62	31	1011.0	1018.2	23.6	0.0	15.0	-0.6	1	4	- 17	1	107
MARSEILLE/MARIGNANE	43 27 N	05 13 E	8	31	1013.6	1017.9	23.6	+ 0.3	14.7	-2.2	0	0	- 11	1	104
NICE/COTE DAZUR	43 39 N	07 12 E	10	31	1016.1	1017.3	22.7	0.0	19.8	+12.8	0	0	-200	1	58
AJACCIO/CAMPO DEL ORO	41 55 N	08 48 E	9	31	1016.3	1016.9	22.1	+ 0.1	19.0	-0.2	0	0	- 10	1	97
NETHERLANDS															
DE BILT	52 06 N	05 11 E	4	31	1017.8	1018.3	15.9	- 1.1	14.1	-0.8	10	69	- 9	3	85
LUXEMBOURG															
LUXEMBOURG AP	49 37 N	06 13 E	378	31	974.6	1019.3	16.5	- 0.1	12.0	-1.5	7	59	- 13	2	110
SWITZERLAND															
SANTIS	47 15 N	09 21 E	2500	31	756.5	3131 Z	5.0	- 0.6	7.2	-0.2	13	152	-150	1	129
ZURICH/TOWN/VILLE/	47 23 N	08 34 E	569	31	953.6	1018.7	18.1	+ 0.5	12.9	-1.2	9	63	- 80	1	120
GENEVE/COINTRIN	46 15 N	06 07 E	430	31	970.7	1018.5	19.6	+ 0.9	13.0	-1.5	4	9	- 60	1	119
PAYERNE/ STN. AEROLOGICAL	46 49 N	06 57 E	491			U									
LUGANO	46 00 N	08 58 E	276	31	984.9	1016.5	22.7	+ 1.3	15.2	-0.9	2	14	-171	0	126
FEDERAL REP OF GERMANY															
SCHLESWIG	54 32 N	09 33 E	48	31	1009.8	1015.5	14.9	- 1.6	13.9	-1.2	7	60	- 28	2	55
HAMBURG/FUHLSBUTTEL	53 38 N	09 59 E	16	31	1014.5	1016.5	15.7	- 1.3	14.2	-1.0	10	47	- 35	1	61
EMDEN-HAFEN	53 20 N	07 12 E	12	31	1015.5	1016.9	15.6	- 1.3	13.9	-1.6	7	43	- 51	1	64
HANNOVER	52 28 N	09 42 E	54	31	1010.8	1017.3	16.0	- 1.4	14.5	-0.6	10	69	- 15	3	70
BERLIN/TEMPELHOF	52 28 N	13 24 E	49	31	1010.5	1016.3	16.9	- 2.4	13.3	-1.4	8	34	- 33	1	63
KASSEL	51 19 N	09 29 E	163	31	990.1	1017.5	15.9	- 1.5	13.2	-1.5	12	82	+ 10	4	95
ESSEN	51 24 N	06 58 E	161	31	999.0	1018.1	16.3	- 1.2	13.9	-1.0	10	102	+ 3	4	106
GEISENHEIM	49 59 N	07 58 E	120	31	1003.9	1018.1	17.7	- 1.1	13.4	-1.5	8	56	+ 2	4	99
NURNBERG	49 30 N	11 05 E	312	31	981.7	1018.1	17.1	- 0.9	13.8	-0.3	11	58	- 32	2	104
STUTTGART/CANNSTATT	48 50 N	09 12 E	315	31	981.4	1018.0	18.1	- 0.5	13.2	-1.6	11	51	- 28	2	104
MUNCHEN/RIEM	48 09 N	11 43 E	529	31	957.3	1018.3	16.4	- 0.8	14.0	-0.5	11	111	- 29	2	95
MUNCHEN/OBERSCHLEISSHEIM	48 15 N	11 33 E				U									
KONSTANZ	47 41 N	09 11 E	447	31	966.6	1018.0	18.3	- 0.1	14.0	-1.5	11	107	- 3	3	111
ZUGSPITZE	47 25 N	10 59 E	2962	31	714.2	3121 Z	1.6	- 0.9	6.0	-0.5	15	145	- 64		113
GERMAN DEMOCRATIC REP															
GREIFSWALD	54 06 N	13 23 E	5			U									
LINDENBERG	52 13 N	14 07 E	100			U									
WAHNSDORF	51 07 N	13 41 E	232			U									
MEININGEN	50 33 N	10 22 E	456			U									
AUSTRIA															
ST. POLTEN	48 12 N	15 38 E	282	31	982.9	1017.6	17.4	- 1.8	13.8	-1.9	8	64	- 44	2	97
WIEN/HOHE-WARTE	48 15 N	16 22 E	212	31	991.9	1017.3	18.1	- 1.8	13.6	-1.7	12	72	- 11	3	80
SALZBURG-FLUGHAFEN	47 48 N	13 00 E	450	31	965.0	1018.3	17.2	- 0.6	13.0	-2.3	16	174	- 17	3	87
INNSBRUCK-FLUGHAFEN	47 16 N	11 21 E	598	31	946.0	1017.3	17.4	- 0.7	13.2	-1.6	9	63	- 77	0	111
KLAGENFURT-FLUGHAFEN	46 39 N	14 21 E	452	31	961.5	1016.9	17.5	- 1.1	13.3	-3.0	10	84	- 38	2	102
GRAZ-THALERHOF-FLUGHAFEN	47 00 N	15 27 E	347	31	975.1	1017.4	17.6	- 1.4	15.5	-0.4	9	51	- 63	1	87
SONNBLICK	47 03 N	12 57 E	3107	31	701.3	3121 Z	1.6	0.0	5.5	-0.8	16	55	- 94	3	100
CZECHOSLOVAKIA															
CHEB	50 05 N	12 24 E	471	31	962.8	1017.9	15.3	- 1.4	12.3	-1.6	8	58	- 26	2	82
PRAHA/RUZYNE	50 06 N	14 17 E	381	31	974.4	1017.6	15.8	- 2.1	12.7	-1.7	14	67	- 15	3	84
LIBUS	50 00 N	14 27 E	305	31	981.9	1017.5	16.8		12.7		13	69			
BRNO/TURANY	49 09 N	16 42 E	246	31	988.6	1017.6	16.9	- 2.6	12.6	-1.9	9	56	- 17	2	95
OSTRAVA/MOSNOV	49 47 N	18 62 E	256	31	986.7	1017.0	15.9	- 2.3	13.5	-1.3	15	85	- 14	2	90
SLIAC	48 38 N	19 09 E	318	31	979.6	1017.1	16.6	- 2.2	12.1	-3.0	3	17	- 66	0	87
POPRAD/TATRY	49 04 N	20 15 E	709	31	935.0		13.7	- 2.3	11.5	-1.7	7	41	- 49	1	80
POPRAD/GANOVCE	49 02 N	20 19 E	706			U									
HUNGARY															
MISKOLC	48 08 N	20 48 E	120	31	1001.6	1016.1	18.2	- 2.4	14.5	-2.6	6	13	- 53	1	
BUDAPEST/METEOROLOGIA	47 31 N	19 02 E	130	31	1001.6	1016.8	19.7	- 2.2	14.9	-1.0	1	3	- 51	1	86
BUDAPEST/LORINC	47 26 N	19 11 E	140	31	1000.1	1016.6	19.3	- 2.2	13.6	-2.4	2	10	- 43	1	89

SURFACE DATA

JULY 1984

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE: MEAN STATION	PRESSURE: MEAN SEA LEVEL	TEMPERATURE: MEAN	TEMPERATURE: DEPARTURE	VAPOR PRESSURE: MEAN	VAPOR PRESSURE: DEPARTURE	PRECIPITATION: NO. OF DAYS ≥ MM.	PRECIPITATION: TOTAL	PRECIPITATION: DEPARTURE	PRECIPITATION: QUINTILE	SUN-SHINE: PERCENTAGE OF LONG-TERM AVERAGE
	° '	° '	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
HUNGARY															
DEBRECEN	47 29 N	21 38 E	114	31	1002.4	1016.1	18.3	- 3.4	14.7	-2.4	10	53	- 4	3	77
PECS	46 00 N	18 14 E	202	31	993.7	1017.5	18.6	- 2.5	14.8	-1.6	6	26	- 38	1	91
SZEGED	46 15 N	20 06 E	84	31	1007.3	1017.0	18.8	- 3.0	14.5	-2.2	9	40	- 11	3	79
POLAND															
SZCZECIN-DABIE	53 24 N	14 37 E	7	31	1014.7	1015.1	16.3	- 1.7	14.7	-1.3	9	83			
KOSZALIN	54 12 N	16 11 E	34			U									
GDANSK-SWIBNO	54 20 N	18 56 E	9	31	1012.3	1013.3	15.7	- 2.0	14.8	-0.5	7	81	+ 8		
POZNAN-LAWICA	52 25 N	16 50 E	92	31	1005.2	1015.5	16.0	- 2.5	13.7	-1.8	8	58	- 27		
LEGIONOWO	52 24 N	20 58 E	104			U									
WARSZAWA-OKECIE	52 09 N	20 59 E	107	31	1002.4	1015.1	15.7	- 3.0	14.0	-1.8	13	42	- 37		
BIALYSTOK	53 06 N	23 10 E	151	31	996.0	1014.0	15.1	- 3.2	13.8	-2.3	14	76	+ 6		
WROCLAW II-STRACHOWICE	51 06 N	16 53 E	124	31	1002.3	1016.7	15.7	- 2.8	13.7	-2.0	10	43	- 57		
WROCLAW I-MALY GADOW	51 08 N	16 59 E	119			U									
KRAKOW/BALICE	50 05 N	19 48 E	237	31	988.6	1016.7	15.6	- 2.7	13.7	-2.6	11	61	- 34		
PRZEMYSL	49 48 N	22 46 E	280	31	983.2	1016.4	15.7	- 3.0	13.8	-2.7	15	45	- 44		
GIBRALTAR															
NORTH FRONT	36 09 N	05 21 W	3	31	1016.9	1017.3	24.1	+ 0.3	19.9	-0.2	0	0	- 1	1	93
PORTUGAL															
LAJES /ACORES/	38 45 N	27 05 W	54			U									
HORTA/ACORES	38 51 N	28 38	62	31	1016.5	1023.8	20.5	- 1.1	19.6	-0.5	7	58	+ 26	5	87
PONTA DELGADA/ACORES	37 45 N	25 40 W	36	31	1018.8	1023.1	20.4	- 0.4	18.3	-0.9	13	40	+ 13	4	101
SANTA MARIA /ACORES/	36 58 N	25 10 W	100	31	1011.2	1023.1	20.3	- 0.5	17.6	-1.3	5	51	+ 37		
PORTO/SERRA DO PILAR	41 08 N	08 36 W	100	31	1006.8	1018.6	19.1	- 0.5	16.8	+0.6	2	18	- 2	4	85
LISBOA	38 43 N	09 09 W	95	31	1008.1	1019.1	21.7	- 0.5	16.0	0.0	1	2	- 1	4	96
LISBOA/GAGO CONTINHO	38 46 N	09 08 W	104			U									
CAPE VERDE															
SAL	16 44 N	22 57 W	55		1007.9	1014.4	24.7		23.0		0	0		0	90
SPAIN															
LA CORUNA	43 22 N	08 25 W	67	31	1011.4	1019.4	18.1	- 0.1	16.0	-0.7	4	10	- 19	1	80
VALLADOLID	41 39 N	04 43 W	715	31	938.5	1015.7	21.9	+ 0.5	11.1	-0.4	1	12	- 2	3	105
ZARAGOZA	41 39 N	00 53 W	233	31	990.5	1015.7	25.6	+ 1.7	15.3	+0.1	1	5	- 12	1	
MADRID/BARAJAS	40 28 N	03 34 W	606			U									
MADRID/RETIRO	40 24 N	03 41 W	657	31	942.7	1016.5	25.3	+ 1.1	11.6	-1.3	0	0	- 11	1	95
BADAJOZ	38 53 N	06 58 W	195	31	994.8	1016.8	26.5	+ 0.7	16.5	+2.6	1	1	- 2	4	95
SEVILLA/TABLADA	37 22 N	06 00 W	13	31	1015.3	1016.9	27.7	+ 1.4	17.1	-2.5	0	0	- 1	4	95
ALICANTE	38 22 N	00 30 W	82	31	1008.5	1017.8	24.6	- 0.6	20.4	-1.2	0	0	- 5	3	90
BARCELONA	41 24 N	02 09 E	95	31	997.0	1017.3	23.9	- 0.4	19.7	-1.4	1	3	- 27	1	
PALMA DE MALLORCA	39 34 N	02 39 E	17	31	1017.5	1018.2	24.9	+ 0.8	20.9	-1.2	0	0	- 5	1	85
PALMA/SON BONET	39 36 N	02 42 E	45			U									
MAHON, MENORCA/SAN LUIS	39 52 N	04 16 E	59	31	1008.5	1018.2	23.9	- 0.2	19.1	-1.2	0	0	- 4	2	100
ITALY															
UDINE/CAMPOFORMIDO	46 02 N	13 11 E	94			U									
MALTA															
LUGA	35 51 N	14 29 E	72	31	1009.0	1017.4	25.5	- 0.2			0	0	0	4	94
QRENDI	35 50 N	14 26 E	136			U									
YUGOSLAVIA															
ZAGREB/MAKSIMIR	45 49 N	16 02 E	128			U									
BEOGRAD/ZELENO BRDO	44 47 N	20 32 E	243			U									
BULGARIA															
LOM	43 49 N	23 14 E	33		1012.8	1016.9	22.2		18.7		4	12		2	
SOFIA OBS.	42 49 N	23 23 E	588		948.4	1016.8	18.6		12.3		4	42		2	
VARNA	43 12 N	27 55 E	41		1010.3	1015.1	20.9		17.4		4	12		2	
BOURGAS	42 99 N	27 29 E	28		1012.1	1015.5	21.1		18.0		2	17		2	
GREECE															
ATHENS/HELLINIKON	37 54 N	23 44 E	15			U									
ROMANIA															
BUCURESTI/IMH	44 30 N	26 08 E	95			U									
CONSTANTA	44 13 N	28 38 E	32			U									
CYPRUS															
EPISKOPI	34 41 N	32 49 E	113			U									
TURKEY															
RIZE	41 02 N	40 30 E	4		1011.6	1012.1	21.3	- 1.1	20.4	-1.5	13	144	- 6	3	23
SAMSUN	41 17 N	36 20 E	44		1011.9	1012.3	21.9	- 1.1	20.1	-0.4	5	22	- 18	3	43
EDIRNE	41 40 N	26 34 E	48		1008.6	1014.2	22.8	- 1.8	15.3	-1.8	5	54	+ 19	4	70
ISTANBUL/GOZTEPE	40 58 N	29 05 E	40		1009.6	1014.1	22.4	- 0.9	17.9	-1.8	5	30	+ 4	4	62
BURSA	40 11 N	29 04 E	100		1001.8	1013.3	23.1	- 1.1	16.8	-0.1	4	72	+ 37	5	62
CANAKKALE	40 08 N	26 24 E	3		1013.3	1013.7	23.7	- 0.9	18.3	+0.9	1	1	- 9		76
IZMIR	38 26 N	27 10 E	25		1007.5	1010.5	26.6	- 1.0	19.2	+1.6	1	16	+ 14	5	80
ANTALYA	36 42 N	30 44 E	50		1000.1	1004.9	28.1	- 0.1	19.4	-2.7	1	5	+ 3	5	80

SURFACE DATA

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE: MEAN STATION	PRESSURE: MEAN SEA LEVEL	TEMPERATURE: MEAN	TEMPERATURE: DEPARTURE	VAPOR PRESSURE: MEAN	VAPOR PRESSURE: DEPARTURE	PRECIPITATION: NO. OF DAYS ≥ MM.	PRECIPITATION: TOTAL	PRECIPITATION: DEPARTURE	PRECIPITATION: QUINTILE	SUNSHINE: PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
TURKEY															
KASTAMONU	41 22 N	33 46 E	799		992.3	1011.8	18.2	- 2.1	13.0	-0.5	7	72	+ 44	6	53
ANKARA/CENTRAL	39 57 N	32 53 E	894		910.3	1008.3	21.5	- 1.8	11.7	+0.1	3	37	+ 23	5	69
SIVAS	39 45 N	37 01 E	1285		968.6	1007.3	19.1	- 0.4	12.0	+0.8	3	9	+ 1	4	80
ERZINCAN	39 44 N	39 30 E	1215		874.1	1003.3	23.9	- 0.1	13.0	+0.2	1	5	- 4	1	77
ERZURUM	39 55 N	41 16 E	1869		810.1	1003.1	20.2	+ 1.1	11.7	+1.4	4	48	+ 6	4	75
MUGLA	37 12 N	28 21 E	646		936.0	1007.4	25.2	- 0.8	13.7	+1.9	0	0	- 6	2	78
AFYON	38 45 N	30 32 E	1034		897.1	1010.5	20.4	- 1.6	11.5	-0.5	1	15	- 10	3	72
ISPARTA	37 45 N	30 33 E	997		899.2	1007.8	21.9	- 0.1	12.0	-0.4	1	4	- 10	2	81
KONYA	37 58 N	32 33 E	1022		895.7	1007.0	22.4	- 0.4	13.0	+1.7	1	2	- 5	2	74
URFA	37 08 N	38 46 E	547		939.7	998.5	31.5	- 0.1	12.7	+0.8	0	0	- T		83
MALATYA/ERHAC	38 26 N	38 05 E	849		897.0	1003.1	27.5	+ 0.7	11.7	+1.2	0	T	- 2	3	86
DIYARBAKIR	37 53 N	40 11 E	677		927.3	1001.7	31.3	+ 0.3	16.9	+6.5	0	T	- 1	4	81
VAN	38 27 N	43 19 E	1661		830.5	1002.7	23.4	+ 1.3	11.0	-0.9	1	4	- 3		69
USSR															
MURMANSK	68 58 N	33 03 E	46		1002.0	1008.1	11.9		11.6		14	148		6	75
KANIN NOS	68 39 N	43 18 E			1002.5	1008.5	10.2		11.2		9	66		5	30
ARKHANGELSK	64 35 N	40 30 E	13		1006.0	1007.0	16.6		14.8		18	167		5	90
VYTEGRA	61 01 N	36 27 E	59		1001.4	1008.1	17.1		14.2		15	114		5	55
VOLOGDA	59 17 N	39 52 E	118		993.7	1009.0	16.8		14.7		12	96		5	
MOSKVA	55 45 N	37 34 E	156			U									
LVOV	49 49 N	23 57 E	325		977.8	1015.2	15.4		13.8		11	180			
KIEV	50 24 N	30 27 E	179		993.1	1012.7	17.6		14.5		12	74			
HAR KOV	49 56 N	36 17 E	152		993.6	1011.4	19.4		15.4		8	59		3	75
ODESSA	46 29 N	30 38 E	64		1008.3	1013.2	20.3		16.0		3	7		1	70
SIMFEROPOL	45 01 N	33 59 E	205		988.8	1012.4	21.2		14.0		1	14			90
TBILISI	41 41 N	44 57 E	490		961.3	1012.4	25.4		17.8		6	38		3	55
AFRICA															
MOROCCO															
KENITRA II	34 18 N	06 36 W	12			U									
CASABLANCA	33 34 N	07 40 W	58		1008.5	1015.2	22.2		23.6		0	0			70
AGADIR	30 23 N	09 34 W	19		1010.3	1013.0	21.5		20.1		0	T		5	95
MEKNES	33 53 N	05 32 W	549		953.7	1014.3	26.9		20.0		0	0		3	95
MARRAKECH	31 37 N	08 02 W	466		961.3	1012.5	31.5		15.5		1	11		5	90
OUARZAZATE	30 56 N	06 54 W	1136		892.2	1568 Y	30.8		6.4		0	0		1	70
ALGERIA															
ORAN ES SENIA	35 37 N	00 36 W	94		1005.8	1016.2	24.4		20.7		0	0		0	70
ALGER/DAR EL BEIDA	36 43 N	03 15 E	25		1013.3	1016.2	19.2		20.2		0	0		4	80
BEJAIA	36 43 N	05 04 E	3		1016.7	1017.1	25.2		22.2		0	1			
SKIKDA	36 52 N	06 57 E	9		1016.5	1017.5	24.8		22.0		0	0			
ANNABA	36 50 N	07 49 E	4		1016.1	1017.4	25.0		20.9		1	2		4	105
MILIANA	36 18 N	02 14 E	722		936.8	1015.4	28.3		14.2		1	2			85
CONSTANTINE	36 17 N	06 37 E	697		940.1	1016.4	26.0		12.7		0	0			
BORDJ BOU ARRERIDJ	36 04 N	04 46 E	928		915.1		26.9		10.9		1	9			88
BISKRA	34 48 N	05 44 E	88		1006.0	1015.8	33.0		10.3		0	0			
D JELFA	34 40 N	03 15 E	1178		892.2	1570 Y	27.0		10.4		1	9			64
ELBAYADH	33 41 N	01 01 E			874.3	1595 Y	28.2		7.2		1	3			73
EL OUED-GUEMAR	33 30 N	06 47 E	63		1008.2	1015.3	21.4		15.2		0	T			80
AIN SEFRA	32 46 N	00 36 W	1058		897.9	1543 Y	29.3		6.6		1	3			75
BECHAR	31 37 N	02 14 W	786		925.9	1569 Y	32.8		5.8		0	0		4	75
GHARDAIA-NOUMERPATE	32 23 N	03 49 E	442		963.9	1015.1			8.6		0	T			85
HASSI-MESSOUD/OUED IRARA	31 40 N	06 09 E	143		998.1	1014.1	33.4		12.0		0	0			
EL GOLEA	30 34 N	02 52 E	398		969.1	1012.9	31.9		8.4		0	0			90
TIMIMOUN	29 15 N	01 07 E	313		926.7	1011.1	34.4		5.9		0	0			85
TINDOUF/VILLE	27 40 N	08 08 W	402		962.2	1008.8	35.3		6.5		0	0			
ADRAR	27 53 N	00 17 W	264		979.3	1009.1	35.0		6.7		0	0			75
IN SALAH	27 12 N	02 28 E	294		974.0	1009.5	35.7		7.6		0	0			80
TAMANRASSET	22 47 N	05 31 E	1378		864.9	1531 Y	28.0		6.6		1	2		3	110
DJANET	24 33 N	09 28 E	1054		898.5	1543 Y	29.8		7.0		0	0			
TUNISIA															
TUNIS CARTHAGE	36 50 N	10 14 E	4		1017.1	1017.5	26.4		18.4		0	0		1	95
TOZEUR	33 55 N	08 10 E	51			U									
SUDAN															
PORT SUDAN	19 35 N	37 13 E	2	31	1002.8	1004.2	34.2	+ 0.1	24.9	+2.3	0	0		4	
KHARTOUM	15 36 N	32 33 E	380	31	963.5	1005.2	34.2	+ 2.4	12.7	+7.0	0	0		3	
EL OBEID	13 10 N	30 14 E	574	31	944.1	1007.1	28.9	+ 0.8	20.8	+1.4	5	76		1	
EL FASHER	13 37 N	25 20 E	730	31	927.9	1007.1	29.7		15.8	+4.0	3	35		2	
DAMAZINE	11 47 N	34 23 E	470	31	954.9	1007.1	26.9	+ 0.3	24.3	+0.3	12	191		1	
JUBA	04 52 N	31 36 E	457	31	958.1	1009.8	25.2	+ 0.6	23.8	+1.0	15	82		2	
MAURITANIA															
NOUADHIBOU	20 56 N	17 02 W	3		1011.2	1011.7	22.1		21.6		0	0			
NOUAKCHOTT	18 06 N	15 57 W	3		1011.1	1011.5	26.4		25.7		1	2			
BIR MOGHREIN	25 14 N	11 37 W	360		968.5	1007.2	36.2		18.8		0	0			
ATAR	20 31 N	13 04 W	224		984.3	1010.9	34.2		16.2		0	0			
AKJOUJT	19 45 N	14 22 W	120		897.2	1011.0	32.1		23.0		0	0			
BOUTILIMIT	17 32 N	14 41 W	75			1011.3	29.1		21.5		1	1			

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
AFRICA															
MAURITANIA															
TIDJIKJA	18 34 N	11 26 W	402		965.4	1009.2	32.7		17.9		1	5			
KIFFA	16 38 N	11 24 W	115		995.9	1008.7	32.8		20.0		5	68			
NEMA	16 36 N	07 16 W	269				32.9		21.3		4	63			
SENEGAL															
DAKAR/YOFF	14 44 N	17 30 W	24		1009.0	1012.3	26.9		27.9		2	18		1	
DIOURBEL	14 39 N	16 14 W	9		1010.5	1011.5	28.7		28.3		11	64		1	
KAOLACK	14 08 N	16 04 W	7		1012.0	1012.8	28.6		28.6		6	100		2	
ZIGUINCHOR	12 33 N	16 16 W	23		1009.8	1012.4	26.5		29.3		25	394		4	
PODOR	16 38 N	14 56 W	7		1011.0	1011.8	32.2		24.0		1	7		1	
LINGUERE	15 23 N	15 07 W	21		1008.8		29.0		26.7		3	101		2	
MATAM	15 38 N	13 15 W	17		1008.2	1010.1	31.8		23.4		6	49		1	
KOLDA	12 53 N	14 58 W	10				27.0		29.0		14	153		1	
KEDOUGOU	12 34 N	12 13 W	167		992.1	1010.9	26.1		27.8		18	270		3	
MALI															
KIDAL	18 26 N	01 21 E	459		967.7	1007.0	33.5		12.8		3	49		4	80
MENAKA	15 52 N	02 13 E	278		977.4	1007.6	33.9		16.1		1	7		0	
GAO	16 16 N	00 03 W	260		979.0	1007.4	34.2		17.7		4	36			75
TOMBOUCTOU	16 43 N	03 00 W	264		977.9	1006.8	31.9		21.9		5	128		5	80
MOPTI	14 31 N	04 06 W	272		979.2	1009.1	30.6		24.0		4	131		2	115
NIORO DU SAHEL	15 14 N	09 21 W	237		982.5	1008.8	30.7		23.3		9	91		1	
KAYES	14 26 N	11 26 W	47		1005.5	1010.7	28.9		27.1		10	88		1	125
KITA	13 04 N	09 27 W	329		973.5	1010.7	26.5		25.0		17	108		1	100
BAMAKO/SENOU	12 32 N	07 57 W	381		967.2	1009.6	26.5		24.7		12	116			
SAN	13 20 N	04 50 W	284		978.4	1009.7	29.6		24.3		7	69		0	
KOUTIALA	12 23 N	05 28 W	367		968.4	1008.9	27.2		23.1		0	93			
SIKASSO	11 21 N	05 41 W	375		968.6	1010.3	25.8		25.9		13	171		1	30
NIGER															
AGADEZ	16 58 N	07 59 E	503		951.9	1006.1	33.2		11.9		0	0			90
N GUIGMI	14 15 N	13 07 E	286		975.8	1007.3	30.9		22.4		7	52		3	105
MAINE-SORDA	13 14 N	11 59 E	339		970.6	1007.8	29.2		23.1		9	108		3	100
ZINDER-AERO	13 47 N	08 59 E	453		958.8	1008.5	29.4		21.2		9	155		4	95
MAGARIA	12 59 N	08 56 E	403				27.8		24.7		14	127		2	
MARADI	13 28 N	07 05 E	369		967.8	1008.9	28.6		24.0		11	121		2	75
BIRNI-N KONNI	13 48 N	05 15 E	274		978.5	1008.7	29.8		24.9		5	41		1	95
TAHOUA	14 54 N	05 15 E	387		965.4	1008.3	30.2		20.0		8	77		1	85
TILLABERY	14 12 N	01 27 E	210		984.8	1007.9	31.7		24.7		8	49		0	95
NIAMEY-AERO	13 29 N	02 10 E	234		983.7	1008.8	30.3		24.0		7	63		1	110
GAYA	11 53 N	03 27 E	203		986.4	1009.2	27.8		25.7		9	96		1	100
SIERRA LEONE															
LUNGI	08 37 N	13 12 W	27	31	1009.3	1012.2	25.4	+ 0.1	28.1	+0.1	29	463	-270		125
BONTHE	07 32 N	12 30 W	8	31	1012.2	1013.1	27.6	+ 2.3	29.4	+0.9	27	699	-122		113
NJALA	08 06 N	12 06 W	56	31	1002.6	1008.8	25.8	+ 0.5	28.2	0.0	22	433	+ 17		125
KABALA	09 35 N	11 33 W	464	31	959.2	1011.7	24.8	+ 0.7	25.6	+1.1	25	415	+ 98		175
DARU	07 59 N	10 51 W	186	31	990.0	1010.9	25.8	+ 0.5	27.0	+0.2	22	343	+ 22		149
LIBERIA															
ROBERTS FIELD	06 15 N	10 21 W	12	31	1011.5	1012.5	24.5	0.0	27.5	+0.6	26	674	+131		
IVORY COAST															
ODIENNE	09 30 N	07 34 W	434		963.9	1010.9	24.1		25.5		18	290		3	
KORHOGO	09 25 N	05 37 W	382		968.4	1011.0	24.7		25.6		16	230			
MAN	07 23 N	07 31 W	340				23.4		25.3		14	173			
BOUAKE	07 44 N	05 04 W	376		969.9	1011.8	23.9		25.4		16	255			
BONDOUKOU	08 03 N	02 47 W	371		969.5	1011.2	24.3		26.1		13	96			
GAGNOA	06 08 N	05 57 W	214		987.9	1012.1	24.5		27.3		13	121			
YAMOUSSOUKRO	06 54 N	05 21 W			987.5	1011.5	24.6		26.4		15	282			
TABOU	04 25 N	07 22 W	10		1010.1	1013.6	24.8		27.8		16	987		6	
SAN PEDRO	04 45 N	06 49 W	31								15	340			
SASSANDRA	04 57 N	06 05 W	66				24.2		27.0		11	226			
ABIDJAN	05 15 N	03 56 W	11		1011.3	1012.2	24.5		28.2		5	37		2	
UPPER VOLTA															
DORI	14 02 N	00 03 E	275		979.3	1008.8	31.5		22.2		7	46		0	
OUAHIGOUYA	13 35 N	02 26 W	324		971.7	1012.0	29.5		22.2		9	133		2	
OUAGADOUGOU	12 21 N	01 31 W	304		975.8	1009.6	28.5		25.1		10	167		2	120
FADA N GOURMA	12 04 N	00 21 E	309		975.7	1010.0	28.2		25.0		8	93		1	
BOROMO	11 40 N	02 55 W	271		980.0	1010.1	28.1		25.1		8	84		0	
BOBO-DIOULASSO	11 10 N	04 18 W	467		959.7	1010.8	25.7		24.4		11	99		1	
GAOUA	10 20 N	03 11 W	333		973.5	1010.9	25.8		25.7		15	154		3	
BENIN															
NA TITINGOU	10 19 N	01 23 E	461	31	960.2	1011.1	24.9	+ 0.1	24.8	-0.4	14	204	- 28	3	
PARAKOU	09 21 N	02 37 E	393	31	967.8	1011.4	24.9	+ 0.1	25.6	-0.1	13	172	- 17	3	
SAVE	07 59 N	02 26 E	200	31	989.3	1011.9	24.7	- 0.5	25.8	-0.1	13	173	- 9	3	
BOHICON	07 10 N	02 04 E	167	31	993.1	1012.1	25.1	- 0.3	27.5	+1.4	13	112	- 24	2	
COTONOU	06 21 N	02 23 E	6	31	1011.2	1012.2	25.7	0.0	28.3	+0.3	3	8	-143	1	

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUNSHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
AFRICA															
TOGO															
DAPON	10 52 N	00 15 E	330		973.5	1010.6	26.6		24.7		10	55			
MANGO	10 22 N	00 28 E	146		994.1	1010.6	26.9		28.0		9	91		1	
SOKODE	08 59 N	01 08 E	403		967.5	1011.5	24.2		25.5		13	147		1	
ATAKPAME	07 35 N	01 07 E	402		967.0	1011.7	23.7		25.8		12	239		3	
TABLIGBO	06 35 N	01 30 E	52		1006.9	1012.1	25.4		27.1		11	57		3	
LOME	06 10 N	01 15 E	25		1009.5	1012.3	25.5		27.7		8	52		3	160
UNITED REP OF CAMEROON															
MAROUA-SALAK	10 27 N	14 15 E	422		962.0	1009.3	26.4		25.3		14	224		4	105
GAROUA	09 20 N	13 23 E	244		983.5	1010.0			26.4		9	78		1	120
NGAOUNDERE	07 21 N	13 34 E	1104		891.4	1502 Y	20.3		20.4		22	232		2	
KOUNDJA	05 39 N	10 45 E	1210		880.7	1503 Y	19.1		20.5		25	397		5	
YAOUNDE	03 50 N	11 51 E	760		927.7	1011.2	21.8		22.7		14	186		6	135
DOUALA OBS.	04 00 N	09 44 E	9		1010.9	1011.9	29.4		28.1		18	280		1	
DOUALA R.S.	04 01 N	09 42 E	15			U									
KRIBI	02 57 N	09 54 E	16		1010.0	1011.9	25.6		28.5		17	364		6	
CENTRAL AFRICAN REP															
BIRAO	10 17 N	22 47 E	464	31	957.9	1008.7	26.5		25.6		12	107			
N DELE	08 24 N	20 39 E	510	31	952.9	1008.9	24.2		25.1		15	155		2	
BRIA	06 32 N	21 59 E	584	31	946.2	1010.2	23.3		24.5		24	140			
YALINGA	06 30 N	23 16 E	602	31	943.5	1009.4	23.4		24.6		19	301			
BAMBARI	05 51 N	20 39 E	475	31	957.9	1010.3	23.5		24.8		20	180			
ALINDAO	05 03 N	21 12 E	449	31	960.4	1010.1	23.7		24.6		18	228			
BANGASSOU	04 44 N	22 50 E	500	31	954.9	1010.0	23.8		24.6		16	281		5	105
OBO	05 24 N	26 30 E	651	31	938.6	1009.5	23.5		23.6		14	190			
BOSSANGOA	06 29 N	17 26 E	465	31	958.6	1009.9	24.3		25.0		15	202		3	125
BOUAR	05 58 N	15 38 E	1020	31	900.1	1488 Y	21.1		21.2		20	182			
BOSSEMBELE	05 16 N	17 38 E	674	31	936.1	1009.9	22.8		23.6		21	214			
BERBERATI	04 13 N	15 47 E	583	31	946.1	1010.2	22.6		23.6		10	111			131
BANGUI	04 24 N	18 31 E	366	31	969.3	1010.3	24.1		25.2		11	171		3	128
KENYA															
MOYALE	03 32 N	39 03 E	1113	31			19.4	- 0.3	15.6	-0.6	5	10	- 1	3	
ELDORET	00 32 N	35 17 E	2120	31	790.0	1495 Y	15.5		11.4		17	150	- 13	2	127
NAIROBI AIRPORT	01 19 S	36 55 E	1624	31	840.5	1528 Y	19.9	+ 3.3	13.2	-0.9	1	1	- 5		61
GARISSA	00 28 S	39 38 E	138	31	998.1	1016.0	27.6	+ 1.1	20.8	0.0	3	5	+ 4	5	
MALINDI	03 14 S	40 06 E	23	31	1012.9	1015.5	24.0	- 0.6	24.5	-0.5	20	164	+ 87	5	87
UNITED REP OF TANZANIA															
DODOMA	06 10 S	35 46 E	1120		893.0	1537 Y	19.2		15.4		0	0			
SONGEA	10 41 S	35 35 E	1067		900.6	1558 Y	17.5		14.5		1	7		5	
MTWARA	10 16 S	40 11 E	113		1004.1	1017.1	23.1		22.0		3	13		3	
DAR ES SALAAM AIRPORT	06 53 S	39 12 E	58		1011.6	1018.3	23.1		22.6		7	28		1	
MWANZA	02 28 S	32 55 E	1140		887.6	1511 Y	23.1		15.6		2	4		5	
ETHIOPIA															
ASMARA	15 17 N	38 55 E	2325	31	771.1		15.6		12.4		10	120			98
GONDER	12 32 N	37 26 E	1966	31	805.4		18.1		15.9		22	264			
COMBOLCHA	11 05 N	39 43 E	1916	31	813.9		19.9		12.2		20	113			103
ADDIS ABABA	08 59 N	38 48 E	2408	31	768.6		15.8				29	296			143
DIRE DAWA	09 36 N	41 52 E	1146	31	882.5		27.5		15.2		5	54			108
GORE	08 10 N	35 33 E	1974	31			16.2		15.2		25	310			
JIMMA	07 40 N	36 50 E	1577	31	830.5		18.4		16.4		22	211			131
RWANDA															
KIGALI	01 57 S	30 07 E	1497		851.6	1510 Y	20.5		14.4		3	53			
ZIMBABWE															
BULAWAYO/GOETZ OBS	20 09 S	28 37 E	1345		871.9	1558 Y	14.3		8.5		4	8		6	90
SALISBURY/BELVEDERE	17 50 S	31 01 E	1472			U									
HARARE/KUTSAGA OBS	17 56 S	31 06 E	1479		858.0	1555 Y	13.9		9.6		0	0		0	80
ZAMBIA															
LASAKA CITY AIRPORT	15 25 S	28 19 E	1280			U									
MALAWI															
KAMUZU INT.AP	13 47 S	33 46 E	1229	31	883.0	1542 Y	15.7		12.4		0	0			
CHILEKA	15 41 S	34 58 E	767	31	931.8	1538 Y	20.0	+ 1.9	14.1		1	1	- 2		130
MADAGASCAR															
DIEGO-SUAREZ	12 21 S	49 18 E	105	31		1016.7	20.9	- 3.5	18.5	-2.0	5	23	+ 5	5	101
TULEAR	23 23 S	43 44 E	8	31		1018.9	21.8	+ 1.4	17.3	-0.4	0	0	0	1	101
TAMATAVE	18 07 S	49 24 E	6	31		1022.0	19.5	- 0.8	20.1	-1.5	25	237	- 47	3	87
ANTANANARIVO/IVATO	18 48 S	47 29 E	1276	31	879.3	1559 Y	12.9	- 2.9	11.8	-1.4	1	5	- 5		106
SEYCHELLES															
SEYCHELLES INTERNATIONAL AP	04 40 S	55 31 E	3			U									
MOZAMBIQUE															
VILA CABRAL	13 17 S	35 15 E	1365	31	869.3	1554 Y	15.1	- 0.5	12.8	+0.8	2	6	+ 4		78
TETE	16 11 S	33 35 E	150	31	1001.5	1019.0	23.4	+ 1.8	17.7	+0.8	0	0	- 3		96

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ; MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUNSHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
AFRICA															
MOZAMBIQUE															
NAMPULA	15 06 S	39 17 E	441	31	968.0	1019.2	20.3	- 0.4	18.2	-0.7	3	23	- 6		109
PORTO AMELIA	12 58 S	40 30 E	50	31	1006.6	1018.0	22.8	- 1.2	21.5	+1.1	4	20	+ 4		118
QUELIMANE	17 53 S	36 53 E	8	31	1018.4	1020.3	21.2	- 0.2	24.2	+3.2	6	41	- 11	3	95
BEIRA/SACADURA CABRAL	19 48 S	34 54 E	16	31	1018.4	1020.2	21.4	+ 0.8	20.2	+0.7	5	30	- 8	3	88
INHAMBANE	23 52 S	35 23 E	15	31			20.5	- 0.3	20.1	+0.9	5	77	+ 41	5	105
MAPUTO/MAVALANE	25 55 S	32 34 E	44	31	1016.8	1022.0	19.2	+ 0.3	16.3	+0.1	6	116	+ 98		83
OCEAN ISLANDS															
AGALEGA/MAURITIUS	10 26 S	56 45 E	3		1013.2	1013.5	24.0	- 1.1	22.8	-2.4	16	71	- 26	3	
ILES GLORIEUSES	11 33 S	47 17 E	3	31	1017.1	1017.6	24.5		21.9		7	31			
SERGE-FROLOW/ILE TROMELIN	15 53 S	54 31 E	8	31	1016.5	1017.9	22.7		21.9		13	64			
ST. BRANDON/ST. RAPHAEL/	16 27 S	59 37 E	4		1017.4	1017.7	22.2	- 1.3	21.2	-2.2	12	61	0	4	
ILE JUAN DE NOVA	17 03 S	42 43 E	9	31	1016.7	1017.9	24.3		22.8		4	27			
RODRIGUES/MAURITIUS	19 41 S	63 25 E	59		1015.0	1021.3	20.8	- 1.0	17.6	-2.3	15	60	- 20	2	102
VACOAS/MAURITIUS	20 18 S	57 30 E	425			U									
PLAISANCE/MAURITIUS	20 26 S	57 40 E	57		1014.7	1021.0	20.2	- 0.7	17.8	-1.7	9	43	- 79	1	92
ST. DENIS/GILLOT, REUNION	20 53 S	55 31 E	12	31	1018.6	1021.5	20.2		16.6		8	45		2	105
ILE EUROPA	22 21 S	40 21 E	7	31	1019.0	1020.5	21.8		20.2		1	5		3	105
ILE NOUVELLE-AMSTERDAM	37 48 S	77 32 E	28	31	1017.4	1020.9	11.9		12.3		16	112			
ILE CROZET	46 30 S	51 00 E		31	990.2	1007.6	3.9		7.2		23	296			
PORT-AUX-FRANCAIS/KERGUELEN	49 20 S	70 13 E	18	31	996.4	1000.1	2.7		5.9		10	67			
SOUTH AFRICA															
PRETORIA/IRENE	25 55 S	28 13 E	1525			U									
ASIA															
USSR-WESTERN															
DRUJNAYA/OSTROV HEJSA/	80 37 N	58 03 E	20		1012.5	1015.2	1.8		6.3		4	18			
OSTROV VIZE	79 30 N	76 59 E	18		1014.6	1016.0	1.0		6.0		0	5			
MYS CELJUSKIN	77 43 N	104 17 E	13		1013.8	1015.7	2.5		6.8		9	67			
OSTROV DIKSON	73 30 N	80 14 E	20		1008.2	1014.0	6.9		8.8		8	50			
MYS KAMENNYJ	68 28 N	73 36 E			1010.1	1011.1	10.5		11.1		5	36			
HOSEDA-HARD	67 05 N	59 23 E	81		1000.6	1010.6	14.3		11.9		7	42		1	105
NAR JAN-MAR	67 39 N	53 01 E	7		1009.0	1009.8	15.1		12.2		7	20		2	100
SALEHARD	66 32 N	66 32 E	35		1008.9	1010.8	15.6		13.5		8	60			90
HATANGA	71 59 N	102 28 E	24		1008.5	1012.5	18.3		11.9		5	15			
NJAKSIMVOL	62 26 N	60 52 E	50		1004.0	1010.0	17.3		13.9		13	56			
TURUHANSK	65 47 N	87 57 E	32		1004.2	1008.6	18.5		13.8		7	39		2	
ESSEJ	68 28 N	102 22 E	200		980.1	1011.6	18.5		13.8		3	17			
SYKTYVKAR	61 40 N	50 51 E	96		994.8	1008.7	18.0		15.6		9	110		5	100
HANTY-MANSIJSK	60 58 N	69 04 E	40		1004.2	1009.8	17.9		15.5		7	32			
SURGUT	61 15 N	73 30 E	43		1001.6	1008.2	17.5		14.1		10	92			
PODKAMENNAJA TUNGUSKA	61 36 N	90 00 E	60		1000.8	1007.5	18.1		13.7		9	65		3	90
TURA	64 10 N	100 04 E	140		988.5	1010.1	18.4		11.7		3	46			95
ERBOGACEN	61 16 N	108 01 E	278		972.9	1006.6	18.5		12.5		10	58		3	
PERM	58 01 N	56 18 E	161		990.0	1009.8	18.7		16.2		10	111			90
SVERDLOVSK	56 48 N	60 38 E	237		978.7	1011.1	19.3		14.7		9	51		2	100
TOBOLSK	58 09 N	68 11 E	44		1004.8	1010.5	18.3		15.3		12	48			110
OMSK	54 56 N	73 24 E	94		994.8	1009.1	18.9		14.3		10	37			105
KOLPASEV	58 18 N	82 54 E	76		998.2	1007.1	17.2		15.2		9	49		2	90
ENISEJSK	58 27 N	92 09 E	78		997.6	1006.8	17.9		14.2		6	22		1	105
KRASNOJARSK	56 00 N	92 53 E	194		974.3	1006.3	17.0		14.6		9	138		5	
BOGUCANY	58 25 N	97 24 E	134		991.0	1006.4	17.7		12.7		4	24		1	50
BRATSK	56 04 N	101 50 E	326		958.0	1005.7	17.0		13.6		6	22			
KIRENSK	57 46 N	108 07 E	261		975.0	1005.1	17.3		16.1		10	46		2	
KUSTANAJ	53 13 N	63 37 E	171		993.0	1010.9	23.2		13.4		1	6			
TURGAJ	49 38 N	63 30 E	123		995.6	1009.8	27.6		12.4		1	2			
KARAGANDA	49 48 N	73 08 E	555		947.2	1009.6	21.3		10.8		6	27			
SEMIPALATINSK	50 21 N	80 15 E	206		984.4	1006.9	19.9		13.6		8	64		5	
MINUSINSK	53 42 N	91 42 E	251		977.2	1006.3	17.7		14.7		11	52		4	
IRKUTSK	52 16 N	104 21 E	485		951.2	1004.8	15.9		13.6		11	146		5	85
UST'-BARGUIZIN	53 26 N	108 59 E	457		951.5	1004.6	13.9				10	77			
GUREV	47 01 N	51 51 E	-20		1012.3	1010.0	29.2		14.3		0	T			
FORT SEVCENKO	44 33 N	50 15 E	-20		1012.2	1009.5	27.5		21.4		1	1		1	110
SAM	45 25 N	56 12 E	82		999.6	1009.6	30.9		15.8		0	0			
BALHAS	46 54 N	75 00 E	423		967.3	1006.6	24.7		12.2		1	2			
KRASNOVODSK	40 02 N	52 59 E	89		997.0	1006.1	29.6		16.6		0	T			80
ASHABAD	37 58 N	58 20 E	230		979.7	1005.0	32.4		14.5		0	0			80
CARDZOU	39 05 N	63 36 E	193		979.9	1001.4	30.4		14.9		0	0			90
ALMA-ATA	43 14 N	76 56 E	847		912.8	1005.9	24.1		11.4		5	23			70
USSR-EASTERN															
OSTROV KOTELNYJ	76 00 N	137 54 E	10		1014.2	1015.2	2.2		6.6		4	15			185
COKURDAH	70 37 N	147 53 E	48		1004.0	1011.5	6.9		8.1		9	37			75
OSTROV CETYREHSTOLBOVOJ	70 38 N	162 24 E	6		1006.0	1011.1	1.7		6.5		5	17			
MYS SMIDTA	68 55 N	179 29 W	7		1008.9	1009.5	4.6		7.4		7	51			
MYS UZLEN	66 10 N	169 50 W	7		1010.2	1011.1	6.3		7.9		10	35			
ANADYR	64 47 N	177 34 E	62		1001.4	1009.7	11.2		10.6		8	69			40
KORF	60 21 N	166 00 E	3		1011.1	1011.5	11.1		11.0		14	73		5	95
OSTROV BERINGA NIKOLSKOE	55 12 N	165 59 E	6		1011.4	1013.1	8.7		10.8		16	102		6	60
PETROPAVLOVSK/KAMCATSKIJ	52 58 N	158 45 E	7		1009.1	1012.0	12.8		12.8		16	144		5	65

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS 1 MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
ASIA															
USSR-EASTERN															
ICA	55 42 N	155 38 E	4		1009.2	1010.0	11.4		12.5		18	202		5	80
OHOTSK	59 22 N	143 12 E	6		1007.7	1008.3	12.1		12.6		9	86		5	135
AJAN	56 27 N	138 09 E	9		1007.2	1008.3	12.8		12.4		13	297		5	85
NIKOLAEVSK NA AMURE	53 09 N	140 42 E	47		999.8	1005.3	16.3		15.6		17	129		5	
SIMUSIR	46 51 N	151 52 E	26		1009.0	1012.1	10.6		11.6		17	144			
JUZNO-SAHALINSK	46 55 N	142 44 E	31		1005.5	1008.3	17.5		17.5		9	66			
VLADIVOSTOK	43 07 N	131 54 E	138		984.7	1006.7	18.6		20.2		16	99			100
OLENEK	68 30 N	112 26 E	127			U									
DZARDZAN	68 44 N	124 00 E	47		1006.0	1010.2	16.0		11.4		5	10			
VERHOJANSK	67 33 N	133 23 E	137		994.6	1010.9	14.1		10.0		7	41		4	
ZYRJANKA	65 44 N	150 54 E	43		1010.0	1015.2	13.5		10.3		8	46		2	
UST -OLOJ	66 33 N	159 25 E	125		993.6	1008.6	11.4		9.4		12	72			
ILIRNEJ	67 20 N	168 14 E	426		960.3	1008.3	11.4		9.4		9	79			
OJMJAKON	63 16 N	143 09 E	726		922.5	1007.2	12.5		10.5		11	102		6	
SEJMCAN	62 55 N	152 25 E	207		984.2	1009.1	13.6		10.7		8	50		4	
KAMENSKOE	62 29 N	166 13 E	106		1007.7	1009.3	12.6		10.8		6	86		5	80
VILJUJSK	63 46 N	121 37 E	107		995.8	1008.7	20.0		12.7		0	T		0	
SUNTAR	62 09 N	117 39 E	124		991.4	1007.0	17.8		13.5		5	35		2	
JAKUTSK	62 05 N	129 45 E	103		994.7	1006.5	19.1		12.6		2	19		2	
ALDAN	58 37 N	125 22 E	682		928.3	1004.6	17.2		11.7		10	80		3	
BOGDARIN	54 28 N	113 35 E	917		902.1	1002.7	14.8		12.6		18	207		6	
CITA	52 01 N	113 20 E	685		926.6	1001.8	17.2		12.7		10	48		1	105
MOGOCA	53 44 N	119 47 E	619		932.2	1002.8	16.3		13.7		16	201		5	70
KALAKAN	55 07 N	116 45 E	607		933.5	1002.9	15.9		13.6		15	137		4	
BOMNAK	54 43 N	128 56 E	357		963.4	1003.9	18.0		15.0		12	166		4	85
IM. POLINY OSIPENKO	52 25 N	136 30 E	65		997.0	1005.5	17.8		14.5		6	67			
BLAGOVESCENSK	50 16 N	127 30 E	137		987.4	1002.6	20.6		19.8		16	262		5	
HABAROVSK	48 31 N	135 10 E	72		994.0	1004.4	21.1		20.1		12	247		6	105
HONG KONG															
ROYAL OBSERVATORY	22 18 N	114 10 E	33	31	999.2	1006.3	29.0	+ 0.4	31.0	-0.6	7	126	-191	1	131
KINGS PARK	22 19 N	114 10 E	66			U									
MACAO															
MACAO	22 12 N	113 32 E	59		999.2	1005.9	29.4		31.8		7	70		1	
REPUBLIC OF KOREA															
KANGNUNG	37 45 N	128 54 E	27	31	1002.6	1005.7	23.9	+ 0.1	23.6	-0.2	11	204	- 22	3	100
INCHON	37 29 N	126 38 E	70	31	996.5	1004.5	24.2	+ 0.5	23.2	-1.5	11	183	-105	5	123
PUSAN	35 06 N	129 02 E	71	31	965.1	1005.4	24.7	+ 0.8	25.7	+0.4	9	296	+ 53	2	151
MOKPO	34 47 N	126 23 E	56	31	998.8	1005.1	24.9	+ 0.1	27.5	+0.9	11	210	+ 19	4	105
JAPAN															
WAKKANAI	45 25 N	141 41 E	11	31	1006.8	1008.1	19.5	+ 2.7	19.5	+2.9	5	37	- 75	1	150
ASAHIKAWA	43 46 N	142 22 E	116	31	994.9	1008.1	22.7	+ 2.4	20.6	+2.0	7	77	- 42	2	131
ABASHIRI	44 01 N	144 17 E	39	31	1004.1	1009.1	19.3	+ 2.2	19.0	+2.2	5	77	- 1	3	112
SAPPORO	43 03 N	141 20 E	19	31	1006.1	1008.3	22.1	+ 1.9	20.8	+2.1	7	45	- 35	1	100
NEMURO	43 20 N	145 35 E	26	31	1007.6	1010.7	16.7	+ 2.4	17.7	+2.4	11	197	+102	5	81
URAKAWA	42 10 N	142 47 E	34	31	1005.6	1009.5	19.2	+ 1.9	20.5	+2.4	10	107	- 28	3	80
AKITA	39 43 N	140 06 E	10	31	1006.3	1007.4	24.3	+ 1.7	24.1	+1.6	14	208	+ 20	3	98
MIYAKO	39 39 N	141 58 E	47	31	1003.3	1008.7	21.8	+ 1.7	23.0	+2.4	14	145	+ 30	4	112
SENDAI	38 16 N	140 54 E	40	31	1003.9	1008.9	22.3	+ 0.1	23.6	+0.9	16	110	- 50	2	87
WAJIMA	37 23 N	136 54 E	6	31	1006.2	1006.9	24.5	+ 0.9	26.3	+1.8	15	147	- 73	2	102
NIIGATA	37 55 N	139 03 E	6	31	1006.5	1007.2	25.5	+ 1.3	26.9	+2.6	15	307	+112	5	99
KANAZAWA	36 33 N	136 39 E	28	31	1003.7	1006.9	26.0	+ 1.0	25.8	+0.4	14	225	- 31	3	104
MATSUMOTO	36 15 N	137 58 E	611	31	939.2	1006.5	23.8	+ 0.6	21.7	+0.7	12	132	- 8	3	96
MAEBASHI	36 24 N	139 04 E	113	31	995.1	1007.9	25.3	+ 0.9	25.3	+1.0	16	148	- 25	2	115
NAGOYA	35 10 N	136 58 E	56	31	1001.2	1007.5	26.6	+ 1.0	27.2	+1.5	11	182	- 36	3	113
TATENO	36 03 N	140 08 E	27			U									
CHOSHI	35 43 N	140 51 E	28	31	1005.1	1008.3	23.5	+ 0.7	26.8	+1.9	6	32	- 83	1	126
OMAEZAKI	34 36 N	138 13 E	47	31	1002.4	1007.7	25.8	+ 1.3	28.6	+1.3	5	45	-188	1	146
TOKYO	35 41 N	139 46 E	36	31	1004.0	1008.0	26.2	+ 1.0	26.4	+1.8	10	82	- 43	2	117
HACHIJOJIMA	33 06 N	139 47 E	80	31	998.2	1007.2	26.1	+ 0.9	29.2	+1.0	7	33	-151	0	128
HACHIJOJIMA/OMURE	33 07 N	139 47 E	156			U									
YONAGO	35 26 N	133 21 E	8	31	1005.3	1006.2	26.1	+ 0.7	26.3	+0.4	9	96	-166	1	109
HIROSHIMA	34 22 N	132 26 E	30	31	1002.9	1006.3	26.7	+ 1.1	28.0	+1.5	5	71	-198	1	106
OSAKA	34 41 N	135 31 E	50	31	1001.2	1006.8	27.5	+ 0.5	26.6	+0.9	13	139	- 53	3	100
SHIONOMISAKI	33 27 N	135 46 E	75	31	998.4	1006.9	25.8	+ 0.6	29.3	+1.2	13	503	+216	5	97
IZUHARA	34 12 N	129 18 E	22	31	1003.3	1005.8	25.7	+ 0.9	28.0	+1.6	10	148	-198	2	110
FUKUOKA	33 35 N	130 23 E	14	31	1004.3	1005.9	27.8	+ 1.1	28.7	+1.7	6	23	-250	0	121
OITA	33 14 N	131 37 E	13	31	1004.7	1006.1	26.7	+ 0.7	27.8	+0.9	9	102	-138	1	108
NAGASAKI	32 44 N	129 52 E	35	31	1002.0	1005.9	27.3	+ 0.8	29.9	+1.9	6	160	-154	2	121
KAGOSHIMA	31 34 N	130 33 E	5	31	1005.4	1006.0	28.0	+ 0.8	29.4	+0.8	9	122	-201	1	112
KAGOSHIMA/YOSHINO	31 38 N	130 35 E	283			U									
MIYAZAKI	31 55 N	131 25 E	7	31	1005.0	1005.8	27.7	+ 1.0	29.5	+0.9	11	156	-132	1	112
KOCHI	33 34 N	133 33 E	18	31	1004.6	1006.6	26.7	+ 0.5	26.9	-1.1	12	227	- 77	2	107
SHIMIZU/ASHIZURI	32 43 N	133 01 E	32	31	1002.6	1006.3	26.8	+ 0.7	29.9	+1.1	13	221	- 14	3	107
NAZE	28 23 N	129 30 E	7	31	1005.5	1006.3	28.6	+ 0.3	31.2	+1.6	9	10	-195	1	106
NAZE/FUNCHATOGE	28 23 N	129 33 E	295			U									
ISHIGAKIJIMA	24 20 N	124 10 E	7	31	1005.9	1006.7	29.4	+ 0.3	31.6	-0.4	3	20	-153	1	116
MIYAKOJIMA	24 47 N	125 17 E	41	31	1002.3	1006.9	28.7	+ 0.5	31.0	-0.1	4	53	-133	1	114
NAHA	26 14 N	127 41 E	36	31	1002.8	1006.9	28.5	+ 0.4	32.2	+1.5	10	98	- 95	2	98

SURFACE DATA

JULY 1984

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE: MEAN STATION	PRESSURE: MEAN SEA LEVEL	TEMPERATURE: MEAN	TEMPERATURE: DEPARTURE	VAPOR PRESSURE: MEAN	VAPOR PRESSURE: DEPARTURE	PRECIPITATION: NO. OF DAYS 1 MM.	PRECIPITATION: TOTAL	PRECIPITATION: DEPARTURE	PRECIPITATION: QUINTILE	SUN-SHINE: PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
ASIA															
JAPAN															
MINAMIDAITOJIMA	25 50 N	131 14 E	15	31	1005.1	1007.0	28.6	+ 0.5	30.7	-0.2	10	97	- 37	3	86
CHICHIJIMA	27 05 N	142 11 E	4			U									
MINAMITORISHIMA	24 18 N	153 58 E	9			U									
ISRAEL															
BET DAGAN	32 00 N	34 49 E	35			U									
BEN GURION INT AP	32 00 N	34 54 E	49	31	1002.6	1007.3	25.3		22.2		0	0		5	96
JERUSALEM	31 47 N	35 13 E	809	31	923.9	1471 Y	21.7		15.2		0	0		5	93
EILAT	29 33 N	34 57 E	13	31	1004.0	1005.1	32.1		11.0		0	0		5	108
							S25.6								
JORDAN															
H-4	32 30 N	38 12 E	688	31	928.2	1001.1	28.0		15.5		0	0			96
MAFRAQ	32 22 N	36 16 E	687			U									
AMMAN AIRPORT	31 59 N	35 59 E	762	31	919.6	1004.5	24.9	- 0.3	13.4	+0.9	0	0	- T	5	95
MA'AN	30 10 N	35 47 E	1070	31	896.2	1511 Y	24.3		10.8		0	0			101
KUWAIT															
KUWAIT INTL AIRPORT	29 13 N	47 59 E	55	31	992.3	998.6	38.4	+ 1.0	6.9	-4.6	0	0	0		73
SAUDI ARABIA															
EL-WEJH	26 14 N	36 26 E	19		1001.3	1003.9	28.4		27.8		0	0			
YENBO	24 07 N	38 03 E	6		1001.8	1002.5	30.9		23.6		0	0			
JEDDAH (KING ABDULAZIZ) AP	21 40 N	39 09 E	8		1000.6	1001.4	31.3		22.2		0	0			
MAKKAH	21 29 N	39 50 E	94		975.8	1009.6	34.9		17.8		0	0			
RAFHA	29 38 N	43 29 E	440		952.0	999.9	33.2		7.3		0	0			
AL-JOUF	29 56 N	40 12 E	559		929.8	1001.9	30.6		5.6		0	0			
GIZAN	16 52 N	42 35 E	3		1001.1	1001.5	33.1		31.4		0	0			
BADANA	30 58 N	40 59 E	539		941.9	1002.2	32.1		8.0		0	0			
TABOUK	28 24 N	36 35 E	769		920.9	1003.9	30.0		6.6		0	0			
TURAIF	31 41 N	38 40 E	824		914.5	1004.1	27.6		9.6		0	0			
HAIL	27 31 N	41 44 E	988		894.4	998.3	31.3		3.6		0	0			
HAFOOF	25 33 N	49 38 E			979.3		36.5		10.7		0	0			
MEDINA	24 31 N	39 42 E	632		932.5	997.3	34.7		6.5		0	0			
TAIF	21 29 N	40 32 E	1457		852.0	1471 Y	28.3		14.7		0	0			
KHAMIS MUSHAIT	18 18 N	42 48 E	2057		795.3	1457 Y	23.6		11.6		1	3			
ABHA	18 08 N	42 23 E	2090		790.6	1450 Y	23.0		12.3		1	3			
BISHA	19 58 N	42 40 E	1161		878.8	1460 Y	32.8		8.3		0	0			
AL BAHA	20 18 N	41 38 E	1662		833.7	1487 Y	27.9		8.3		0	0			
SULAYIL	20 28 N	45 40 E	612		933.5	999.3	33.5		7.1		0	0			
RIYADH	24 42 N	46 44 E	608		933.7	999.9	35.9		5.2		0	0			
RIYADH(KING KHALED INT AP)	24 55 N	46 43 E	624		933.9	998.7	35.3		3.5		0	0			
GASSIM	26 17 N	43 51 E	645		929.7		34.1		4.5		0	0			
QAISUMAH	28 20 N	46 07 E	356		960.3	999.0	35.8		5.1		0	0			
DHAHRAN	26 16 N	50 10 E	21		995.9	998.5	35.8		17.4		0	0			
NAJRAN	17 36 N	44 25 E	1210		873.7	1455 Y	31.9		7.7		0	0			
OMAN															
SUR	22 35 N	59 30 E			997.8	998.5	32.1		29.6		0	T			
SEEB INTERNATIONAL AP	23 35 N	58 17 E			996.2	997.8	33.2		29.5		0	0			
MASIRAH	20 41 N	58 54 E			997.8	1000.0	26.3		27.2		0	T			
SALALAH	17 02 N	54 05 E	22		999.6	1002.3	26.1		29.4		13	27			
THUMRAIT	17 44 N	53 56 E			950.2		28.5		23.6		0	0			
BAHRAIN															
BAHRAIN MUHARRAQ	26 16 N	50 37 E	2	31	997.9	998.1	33.9	+ 0.1	31.5	-0.6	0	0	0	5	
UNITED ARAB EMIRATES															
ABU DHABI BATEEN AP	24 26 N	54 27 E	3	31		996.8	34.0	+ 0.8	29.9	-1.8	0	0			103
ABU DHABI NEW INT AIRPORT	24 26 N	54 28 E	3			U									
DEMOCRATIC YEMEN															
ADEN KHORMAKSAR	25 15 N	51 34 E	3		1001.6	1001.9	30.1		30.9		1	5			
QATAR															
DOHA INTERNATIONAL AP	25 15 N	51 34 E	10		996.3	997.2	34.6		24.9		0	0			
AFGHANISTAN															
MAZARI-SHARIF	36 42 N	67 12 E	378	31	956.7		35.6	+ 2.9	14.9	-3.1	0	0	0	3	93
KABUL-AIRPORT	34 33 N	69 12 E	1803	31	813.3	1404 Y	25.9	+ 1.0	13.4	-3.1	1	4	- 3	3	84
KANDAHAR-AIRPORT	31 30 N	65 31 E	1005	31	893.0		32.5	+ 0.7	14.0	+2.7	0	0	- 2	4	90
CHAKHCHARAN	34 32 N	65 16 E	2230	31	773.4	1422 Y	19.8	+ 1.7	5.9	-1.1	0	0	0	4	87
PAKISTAN															
SARGODHA	32 03 N	72 40 E	184			U									
BANGLADESH															
CHITTAGONG AMBAGAN	22 21 N	91 49 E	14			U									
INDIA															
SRINAGAR	34 05 N	74 50 E	1587	31	833.1	1408 Y	24.1	- 0.6	20.1	+0.6	10	64	+ 3	4	88

SURFACE DATA

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE: MEAN STATION	PRESSURE: MEAN SEA LEVEL	TEMPERATURE: MEAN	TEMPERATURE: DEPARTURE	VAPOR PRESSURE: MEAN	VAPOR PRESSURE: DEPARTURE	PRECIPITATION: NO. OF DAYS ≥ MM.	PRECIPITATION: TOTAL	PRECIPITATION: DEPARTURE	PRECIPITATION: QUINTILE	SUN-SHINE: PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
ASIA															
INDIA															
AMRITSAR	31 38 N	74 52 E	234	31	971.7	997.1	29.3	- 1.4	31.7	+2.0	12	500	+331		113
BIKANER	28 00 N	73 18 E	224	31	973.3	998.0	33.1		25.7	-2.5	5	26	- 61	2	
NEW DELHI/SAFDARJUNG	28 35 N	77 12 E	216	31	973.9	997.7	30.4	- 0.8	30.8	+1.1	13	155	- 56	2	102
AGRA	27 10 N	78 02 E	169	31	979.9	998.5	30.7	- 0.2	29.8	-1.3	18	131	- 79	2	
DIBRUGARH/MOHANBARI	27 29 N	95 01 E	111	31	988.9	1001.3	27.1	- 0.7	31.0	-0.4	27	541	+ 18	3	
JODHPUR	26 18 N	73 01 E	224	31	974.1	997.9	31.1	- 0.2	27.1	-0.8	6	73	- 49	3	
LUCKNOW/AMAUSI	26 45 N	80 53 E	128			U									
GAUHATI	26 06 N	91 35 E	54	31	994.6	1001.1	28.1	- 0.3	32.3	-0.3	20	421	+120	5	
KOTA AERODROME	25 09 N	75 51 E	274	31	968.5	998.3	30.9	+ 0.2	25.6	-1.3	8	104	-157		
ALLAHABAD/BAMHRAULI	25 27 N	81 44 E	98	31	987.2	998.0	29.7	- 0.4	33.6	+1.2	17	166	-117	1	
CHERRAPUNJI	25 15 N	91 44 E	1313	31	863.1	1443 Y	19.3	- 1.0	22.3	0.0	29	5396		6	
DALTONGANJ	24 03 N	84 04 E	221	31	974.2	999.1	28.7	- 0.3	32.0	+1.6	24	292	- 54	2	
AHMADABAD	23 04 N	72 38 E	55	31	994.8	1001.1	28.5	- 0.9	32.0	+1.1	15	145	-171	2	109
SAGAR	23 51 N	78 45 E	551	31	939.0	998.9	27.2	+ 0.9	26.5	-3.1	8	91	-372	0	
INDORE	22 43 N	75 48 E	567	31	938.7	1000.6	26.3	+ 0.2	25.7	-0.9	14	201	-115	1	
CALCUTTA/ALIPORE	22 32 N	88 20 E	6	31	999.5	1000.3	29.1	0.0	33.1	-0.4	21	368	+ 67	4	78
CALCUTTA/DUM DUM	22 39 N	88 27 E	6			U									
NAGPUR/SONEGAON	21 06 N	79 03 E	310	31	966.2	1000.5	28.1	+ 0.5	27.2	-0.9	18	345	- 62	2	133
VERAVAL	20 54 N	70 22 E	8	31	1000.8	1001.7	27.7	- 0.2		-0.3	15	416	+111	4	
BOMBAY/SANTACRUZ	19 07 N	72 51 E	14			U									
JAGDALPUR	19 05 N	82 02 E	553	31	940.9	1001.4	25.4	+ 0.3	27.7	+1.4	23	392	- 4	3	
BOMBAY/COLABA	18 54 N	72 49 E	11	31	1002.5	1003.7	27.1	- 0.4	31.3	+0.2	28	111	+401	5	130
POONA	18 32 N	73 51 E	559	31	942.0	1002.6	24.5	- 0.8	24.5	-0.2	20	247	+ 60	4	122
HYDERABAD AIRPORT	17 27 N	78 28 E	545	31	942.7	1002.2	26.2	+ 0.2	25.0	-0.7	15	195	+ 30	4	105
VISHAKHAPATNAM	17 43 N	83 14 E	3	31	1000.9	1001.3	28.9	- 0.4	30.5	-3.6	18	203	+ 78	5	
MASULIPATNAM	16 11 N	81 08 E	3	31	1001.8	1002.1	29.4	0.0	28.9	-2.0	14	173	- 26	2	
GOA/PANJIM	15 29 N	73 49 E	60	31	998.9	1005.7	26.3	- 0.1	30.3		30	837	- 86	3	
BELGAUM/SAMRA	15 51 N	74 37 E	747	31	923.5	1005.3	22.9	0.0	24.1	+0.2	18	351	+ 36		
MADRAS/MINAMBAKKAM	13 00 N	80 11 E	16	31	1002.2	1003.9	29.3	- 1.4	27.3	+0.4	16	182	+ 99	5	94
PANAMBUR	12 57 N	74 50 E	31			U									
BANGALORE	12 58 N	77 35 E	921	31	905.7	1471 Y	23.5	+ 0.3	21.4	+0.4	15	146	+ 29	4	72
KOZHIKODE	11 15 N	75 47 E	5	31	1007.6	1008.1	25.7	0.0	29.7	0.0	26	675	-185	1	
PORT BLAIR	11 40 N	92 43 E	79	31	998.0	1006.8	26.1	- 0.4	29.3	-1.2	22	632	+160		91
COCHIN/ERNAKULAM	09 56 N	76 14 E	3			U									
PAMBAN	09 16 N	79 18 E	11	31	1004.5	1005.8	29.0	0.0	29.7	-1.6	4	50	+ 41	5	
MINICOY	08 18 N	73 00 E	2	31	1008.3	1008.5	27.5	+ 0.2	29.7	-0.6	17	218	+ 6	3	
TRIVANDRUM	08 29 N	76 57 E	64	31	1001.0	1008.3	26.0	- 0.1	28.6	+0.1	16	126	- 85	2	
SRI LANKA															
MANNAR	08 59 N	79 55 E	3		1006.2	1006.5	27.9	- 0.5	30.5	+1.0	3	61	+ 54	5	
TRINCOMALEE	08 35 N	81 15 E	7		998.0	1006.2	28.2	- 1.5	28.7	+3.1	10	133	+ 79	5	
COLOMBO	06 54 N	79 52 E	6		1007.9	1008.7	26.9	- 0.2	29.4	+0.8	15	128	- 12	3	
HAMBANTOTA	06 07 N	81 08 E	20		1005.5	1007.3	27.3	- 0.4	22.9	-5.0	6	56	- 13	4	
MONGOLIA															
ULAN-GOM	49 48 N	92 05 E	936		900.6	1005.3	16.9		12.2		12	81			
ULGI	48 58 N	89 58 E	1714		821.1	1003.4	14.4		13.5		12	39			
MUREN	49 38 N	100 10 E	1288		862.6	1003.1	15.6		7.3		13	102			
BULGAN	48 48 N	103 33 E	1210		869.2	1001.9	14.5		12.6		19	137			
CHOIBALSAN	48 04 N	114 30 E	756		919.0		20.4				8	29			
ALTAI	46 24 N	96 15 E	2147		777.7	1000.9	12.0		9.4		13	76			
ULIASTAI	47 45 N	96 51 E	1753		814.3	999.3	13.9		8.5		13	70			
ARBAIHER	46 16 N	102 47 E	1813		810.4	1000.7	15.1		9.6		12	101			
ULAN-BATOR	47 56 N	106 59 E	1338		860.4	1001.7	16.5		11.5		10	98			
MANDALGOVI	45 46 N	106 17 E	1398		851.4	1006.8	19.1		9.8		6	38			
SAINSHAND	44 54 N	110 07 E	936		899.0	1001.9	23.2		14.2		14	22			
DALANZADGAD	43 35 N	104 25 E	1470		874.2	998.4			10.4		4	19			
NEPAL															
KATHMANDU AP	27 42 N	85 22 E	1336		858.7	1426 Y	23.8		25.3		28	249			
DHANKUTA	26 59 N	87 21 E	1445		848.5	1431 Y	20.7		22.9		25	378			
BURMA															
MYITKYINA	25 22 N	97 24 E	147		993.6	1010.9	30.2		31.1		19	51			
MANDALAY	21 59 N	96 06 E	76		997.8	1006.5	30.5		30.2		7	28			
MEIKTILA	20 50 N	95 50 E	220			U									
AKYAB	20 08 N	92 53 E	5		1005.2	1004.5	26.8		31.5			107			
RANGOON	16 46 N	96 10 E	23		1007.7	1005.7	28.1		36.2			44			
THAILAND															
UBON RATCHATHANI	15 15 N	104 53 E	127			U									
MALAYSIA															
PENANG/BAYAN LEPAS	05 18 N	100 16 E	4	31	1008.1	1008.5	26.5	- 0.3	29.8	+0.3	15	325	+120	5	105
KOTA BHARU	06 10 N	102 17 E	5	31	1007.7	1008.3	26.6	- 0.5	29.5	+0.3	8	109	- 45	3	105
KUALA LUMPUR/SUBANG	03 07 N	101 33 E	17	31	1007.4	1009.9	26.2	- 0.4	28.8	-4.1	16	222	+ 84	5	90
KUALA LUMPUR/PETALING JAYA	30 06 N	101 39 E	57			U									
KUANTAN	03 47 N	103 13 E	16	31	1007.0	1008.8	26.0	- 0.2	28.9		10	289	+ 96	5	95
MALACCA	02 16 N	102 15 E	11	31	1007.9	1008.9	26.3		29.5	-0.1	13	175	- 8	3	95
KUCHING	01 29 N	110 20 E	27	31	1006.5	1009.1	25.8	- 0.5	28.4	+0.2	15	189	+ 12	3	75
KOTA KINABALU	05 57 N	116 03 E	7	31	1007.9	1008.3	26.8	+ 0.2	29.2	+1.3	19	477	+194	6	95

SURFACE DATA

JULY 1984

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° '	° '	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
ASIA															
SINGAPORE															
SINGAPORE/PAYA LEBAR	01 22 N	103 55 E	32	31	1006.9	1008.7	27.2		29.9		9	127		3	91
CHINA															
YANJI	42 53 N	129 28 E	178		984.3	1004.8	21.7		21.2		16	151		5	95
PHILIPPINES															
APARRI	18 22 N	121 38 E	4	31	1006.3	1006.6	28.3	- 0.5	31.7	-1.9	10	211	+ 9	4	
MANILA INT. AIRPORT	14 31 N	121 00 E	15	31	1007.4	1008.6	28.0	+ 0.2	29.8	0.0	17	139	-167	1	
DAET	14 08 N	122 59 E	4	31	1007.2	1007.7	28.2	+ 0.1	29.8	0.0	11	111	- 95	1	
CALAPAN	13 25 N	121 11 E	40	31	1002.8	1007.3	29.3	+ 1.8			21	31	-175		
LEGASPI	13 08 N	123 44 E	19	31	1005.8	1007.7	27.8	0.0	31.7	+1.9	16	67	-163	1	
ROMBLON	12 35 N	122 16 E	47	31	1002.7	1008.1	28.6	+ 0.7	31.7	+1.9	13	171	- 88		
CATARMAN	12 29 N	124 38 E	6	31			29.1	+ 1.8			13	198	- 5		
CATBALOGAN	11 47 N	124 53 E	5	31	1007.3	1007.9	28.6	+ 0.5			17	133	-103	1	
TACLOBAN	11 15 N	125 00 E	21	31	1007.6	1007.9	27.6	- 0.2	31.7	+3.6	7	68	- 81	1	
ILOILO	10 42 N	122 34 E	14	31	1008.2	1009.1	27.9	+ 0.5	29.8	0.0	21	392	+112	5	
CEBU	10 20 N	123 54 E	35	31			28.4	+ 0.9	31.7	+1.9	15	93	-116	1	
MACTAN	10 18 N	123 58 E	9	31	1007.1	1008.5	29.6	+ 1.2	29.8	0.0	12	85	- 99	0	
DIPLOG	08 36 N	123 21 E	5	31	1008.6	1009.2	28.1	+ 0.5			17	316	+ 64	4	
TAGBILARAN	09 36 N	123 51 E	6	31	1007.5	1008.2	28.0	0.0	31.7	+1.9	12	82	- 48		
CAGAYAN DE ORO	08 29 N	124 38 E	6	31	1006.6	1007.3	27.5	+ 0.2	31.7	+3.6	15	258	+ 39		
DAVAO AIRPORT	07 07 N	125 39 E	25	31	1006.4	1008.4	27.0	+ 0.1	29.8	+1.7	9	100	- 93		
ZAMBOANGA	06 54 N	122 04 E	6	31	1008.4	1009.1	27.5	+ 0.7	29.8	+1.7	23	109	- 14	1	
AUSTRALASIA															
INDONESIA															
SABANG	05 52 N	95 19 E	126	31	995.7	1010.1	26.6		22.9		14	196	+ 79		
BANDA ACEH/BLANGBINTANG	05 31 N	95 25 E	21	31	1005.2	1007.6	26.8		32.1		12	196	+149		
MEDAN/POLONIA	03 34 N	98 41 E	25	31	1004.9	1008.1	26.2		28.8		24	392	+218		
GUNUNG SITOLI/BINAKA	01 16 N	97 37 E	6	31	1008.5	1009.4	24.9		27.8		27	374			
SIBOLGA/PINANGSORE	01 33 N	98 53 E	3	31	1007.9	1008.5	25.1		26.7		23	715	+426		
PAKANBARU/SIMPANGTIGA	00 28 N	101 27 E	31	31	1004.5	1008.4	25.7		27.4		18	248	+104		
RENGAT/JAPURA	00 26 S	102 27 E	46	31	1007.7	1010.1	26.2		28.6		12	137	+ 22		
JAMBI/PAALMERAH	01 38 S	103 39 E	25	31	1006.0	1009.3	26.2		28.6		10	48	- 64		
PALEBANG/TALANGBETUTU	02 54 S	104 42 E	10	31	1008.2	1009.7	26.2		29.6		8	166	+ 68		
PANGKALPINANG	02 10 S	106 08 E	33	31	1004.8	1008.9	25.9		26.7		20	283	+126		
BELAWAN	03 48 N	98 42 E	3	31	1008.1	1008.7	26.5		29.7		18	152			
BENGKULU/PADANGKEMILING	03 52 S	102 20 E	16	31	1006.6	1008.7	25.6		28.2		13	317	+130		
SERUI/YENDOSA	01 52 S	136 14 E	3	31	1007.4	1008.1	25.5		30.4		24	312	+ 40		
PONTIANAK/SUPADIO	00 01 S	109 23 E	0	31	1008.0	1008.9	26.2				16	498	+319		
KETAPANG/RAHADI USMAMAN	01 51 S	109 58 E	9	31	1008.9	1010.2	25.8		28.4		14	289			
BALIKPAPAN/SEPINGGAN	01 16 S	116 54 E	3	31	1009.0	1009.7	25.9		30.1		21	489	+199		
PANGKALAN BUN/ISKANDAR	02 42 S	110 42 E	25	31	1006.5	1009.6	25.7				11	132			
PALANGKA RAYA	01 00 S	114 00 E		31	1007.4	1010.6	26.6		29.7		15	133			
JAKARTA/KEMAYORAN	06 09 S	106 51 E	5	31	1009.0	1009.8	26.9		28.2		6	32	- 27		
JAKARTA/OBS	06 11 S	106 50 E	8	31	1008.5	1009.6	26.9		27.1		5	40	- 21		
JATIWANGI	06 45 S	108 16 E	50	31	1003.9	1009.9	26.3		26.5		7	17	- 53		
TEGAL	06 51 S	109 09 E	10	31	1010.0	1010.7	26.5		27.7		8	63	- 10		
CILACAP	07 44 S	109 01 E	6	31	1009.2	1011.2	25.6		28.1		14	108	-207		
SEMARANG	06 58 S	110 25 E	3	31	1009.3	1009.7	27.1		26.6		7	98			
SEMARANG/AHMADYANI	06 59 S	110 23 E	3	31	1009.3	1010.0	27.0		27.0		10	264	+177		
SURABAYA/JUANDA	07 22 S	112 46 E	3	31	1009.7	1010.4	26.9		26.7		4	43			
SURABAYA	07 13 S	113 43 E	3	31	1009.5	1010.2	27.2		26.4		1	1			
SANGKAPURA	05 51 S	112 38 E	3	31	1009.7	1010.4	27.0		23.4		2	6	-129		
SURABAYA/PERAK	07 13 S	112 43 E	3	31	1009.4	1010.1	27.2		26.8		1	71	+ 32		
MENADO/DR SAM RATULANGI	01 32 N	124 55 E	80	31	1000.4	1010.0	26.0		27.1		25	143	-103		
GORONTALO/JALALUDDIN	00 31 N	123 04 E	2	31	1005.9	1008.3	25.6		28.2		15	165	+ 20		
UJUNG PANDANG/HASANUDDIN	05 04 S	119 33 E	14	31	1007.8	1009.8	26.0		25.9		4	55	- 13		
DENPASAR/NGURAH-RAI	08 45 S	115 10 E	1	31	1010.5	1011.2	25.7		26.4		6	62	- 12		
AMPENAN/REMBIGA	08 34 S	116 04 E	3	31	1009.1	1011.1	25.3		25.8		6	65	- 3		
SUMBAWABESAR	08 26 S	117 25 E	3	31	1009.4	1010.1	25.7		23.4		3	9	- 17		
WAINGAPU/MAU HAU	09 40 S	120 20 E	12	31	1010.7	1012.2	26.2		23.4		1	7	- 8		
KUPANG/PENFUI	10 10 S	123 40 E	108	31	998.3	1010.1	25.9		20.7		1	1	- 23		
MANOKWARI/RENDANI	00 53 S	134 03 E	3	31	1008.0	1008.3	26.0		28.6		12	150	+ 20		
SANANA	02 05 S	126 00 E	2	31	1010.1	1010.9	26.3		29.2		22	301	+135		
SENTANI	02 34 S	140 29 E	99	31	997.9	1008.1	26.4		27.4		12	30			
JAYAPURA	02 32 S	140 43 E	3	31	1007.8	1008.7	27.6		29.9		14	103	-184		
AMBON	03 42 S	128 05 E	12	31	1008.7	1009.9	26.0				26	1021	+342		
TUAL/DUMATUBUN	05 41 S	132 45 E	12	31	1011.7	1012.1	25.5		26.7		11	53	-104		
SAUMLAKI	07 59 S	131 18 E	24	31	1009.9	1012.8	25.1		27.6		14	94	- 19		
NEW ZEALAND															
KAITAIA AERODROME	35 04 S	173 17 E	80	31	1006.3	1015.8	12.3		12.5		18	166		4	101
AUCKLAND AERODROME	37 01 S	174 48 E	6	31	1015.0	1015.8	11.3		12.0		14	93		1	100
GISBORNE AERODROME	38 40 S	177 59 E	8	31	1014.1	1015.1	9.8		10.2		11	68		2	97
NEW PLYMOUTH AERODROME	39 01 S	174 11 E	36	31	1011.4	1015.2	10.4		10.9		16	165		3	90
WELLINGTON	41 17 S	174 46 E	128	31	998.4	1014.1	9.8		10.2		18	228		5	64
CHRISTCHURCH AERODROME	43 29 S	172 32 E	34	31	1009.1	1013.5	6.8		8.4		10	84		5	80
HOKITIKA AERODROME	42 43 S	170 59 E	40	31	1008.1	1013.5	9.0		9.4		15	350		5	64
INVERCARGILL AERODROME	46 25 S	168 20 E	1	31	1013.1	1013.3	5.9		8.1		14	48		1	75

SURFACE DATA

JULY 1984

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
AUSTRALASIA															
NORTH PACIFIC															
LIHUE, KAUAI, HAWAII	21 59 N	159 21 W	45	31	1011.5	1016.8	26.7	+ 0.9	23.4		9	32	- 20	2	125
HONOLULU, OAHU, HAWAII	21 21 N	157 56 W	5	31	1015.6	1016.0	27.2	+ 0.5	21.6		3	6	- 8	2	100
HILO/GEN. LYMAN, HAWAII	19 43 N	155 04 W	11	31	1015.2	1016.5	24.0	- 0.1	21.9		21	168	- 52	2	144
WAKE ISLAND	19 17 N	166 39 E	4	31	1011.9	1012.3	28.9	0.0	29.2		19	140		4	78
JOHNSTON ISLAND	16 44 N	169 31 W	5	31	1013.2	1013.7	27.7	+ 0.7				10	- 16		104
GUAM, TAGUAC, MARIANA IS.	13 33 N	144 50 E	111	31	996.6	1009.4	26.0	- 0.4	29.0		19	167	- 95	2	67
YAP, CAROLINE ISLANDS	09 29 N	138 05 E	17	31	1007.1	1009.0	27.4	+ 0.2				244	-118		138
KWAJALEIN, MARSHALL IS.	08 43 N	167 44 E	8	31	1009.1	1010.0	28.2	+ 0.6	29.1		13	90	-172	0	
TRUK, CAROLINE ISLANDS	07 28 N	151 51 E	2	31	1009.0	1009.3	28.8	+ 1.6	29.6		8	67	-296	1	119
KOROR, PALAU ISLANDS	07 20 N	134 29 E	33	31	1005.4	1009.3	27.5	+ 0.1	30.4		20	326	- 89	2	91
MAJURO, MARSHALL ISLANDS	07 05 N	171 23 E	3	31	1009.5	1009.9	27.0	- 0.2				237	- 84		104
PONAPE, CAROLINE ISLANDS	06 58 N	158 13 E	46	31	1003.4	1008.7	27.6	+ 0.8	29.5		21	266	-183	1	104
TARAWA, GILBERT ISLANDS	01 21 N	172 55 E	4	31	1006.7	1007.7	27.2		31.0		9	37		1	
SOUTH PACIFIC															
FUNAFUTI, ELLICE IS.	08 31 S	179 13 E	2	31	1009.4	1009.6	27.6		30.7		20	204		2	
ATUONA, MARQUESAS ISLAND	09 48 S	139 02 W	52	31	1005.6	1011.6	25.2		26.5		25	473		6	85
HIHIFO/AERO/WALLIS IS.	13 14 S	176 10 W	27	31	1008.6	1011.7	26.0	- 0.2	26.7	-1.1	14	188	- 31	3	95
APIA, SAMOA	13 48 S	171 47 W	2	31	1011.5	1011.8	25.4		26.0		10	91		3	112
PAGO PAGO, SAMOA	14 20 S	170 43 W	3		1012.7	1013.0	26.1	0.0	26.6		10	47	-118	1	
RANGIROA	14 58 S	147 40 W	4	31	1013.0	1013.4	25.9		24.8		11	82		3	95
TAKAROA, TUAMOTU IS.	14 29 S	145 02 W	3	31	1013.0	1013.3	26.3		28.8		12	118		4	95
PUKA-PUKA, TUAMOTU IS.	14 48 S	138 49 W	3	31	1012.5	1012.9	26.1		27.0		12	190		6	95
HAO, TUAMOTU IS.	18 04 S	140 57 W	3	31	1014.3	1014.7	24.9		22.6		11	65		4	95
HEREHERETUE, TUAMOTU IS.	19 52 S	145 00 W	3	31	1015.2	1015.6	23.7		22.0		11	56		1	95
BORA-BORA, SOCIETY IS.	16 29 S	151 45 W	3	31	1013.5	1013.8	25.3		24.9		11	106		4	80
TAHITI, SOCIETY IS.	17 33 S	149 37 W	2	31	1014.0	1014.3	24.0		22.5		7	131		5	100
NANDI, FIJI IS.	17 45 S	177 27 E	18	31	1011.8	1013.9	23.1		21.2		0	0		1	121
NAUSORI	18 03 S	178 34 E	5	31	1013.2	1014.5	23.3		22.6		9	91		2	
KOUMAC/NOUVELLE-CALEDONIE	20 34 S	164 17 E	18	31	1013.4	1015.5	20.4	+ 0.5	18.2	+0.5	1	10	- 51	1	112
NOUMEA/NOUVELLE-CALEDONIE	22 16 S	166 27 E	72	31	1008.0	1016.5	20.3	+ 0.7	18.0	+1.0	6	51	- 32	2	111
RAROTONGA, COOK IS.	21 12 S	159 49 W	7	31	1015.7	1016.5	21.5		19.4		5	19		1	89
TOTEGEGIE, GAMBIER IS.	23 06 S	134 52 W	3	31	1007.2	1017.5	20.7		19.8		12	207			
MURORDA	21 49 S	138 49 W	3	31	1016.1	1016.5	22.8		22.1		14	250		6	80
TUBAI, AUSTRAL IS.	23 21 S	149 29 W	3	31	1016.7	1017.0	20.7		19.7		14	115		3	100
RAPA, AUSTRAL IS.	27 37 S	144 20 W	6	31	1017.2	1017.5	17.9		16.3		14	375		5	80
RAOUL IS.,KERMADEC IS.	29 15 S	177 55 W	49	31	1012.5	1018.4	16.7		15.7		15	151		3	69
CHATHAM ISLAND	43 57 S	176 34 W	48	31	1007.3	1013.2	8.8		10.6		16	87		3	78
CAMPBELL ISLAND	52 33 S	169 09 E	19	31	1006.4	1008.7	5.5		7.8		22	81		1	133

SURFACE DATA LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
JANUARY 1984															
AFRICA															
ZIMBABWE															
BULAWAYO/GOETZ OBS	20 09 S	28 37 E	1345	31	864.8	1492 Y	23.4	+ 2.5	13.7	-3.0	4	37	- 97	1	146
HARARE/KUTSAGA OBS	17 56 S	31 06 E	1479	31	851.4	1490 Y	20.8	+ 0.8	15.6	-1.2	10	132	- 94	1	148
CHIPINGA	20 12 S	32 37 E	1132	31	887.2	1500 Y	21.5	+ 1.0	18.2	-1.2	7	100	-130	1	130
FEBRUARY 1984															
SOUTH AMERICA															
BRAZIL-NORTHERN															
BOA VISTA	02 49 N	60 39 W	90				27.9	+ 1.5	26.1	-0.3	2	5	- 70	2	
AFRICA															
ZIMBABWE															
BULAWAYO/GOETZ OBS	20 09 S	28 37 E	1345	29	865.0	1494 Y	21.8	+ 1.0	14.9	-2.0	6	68	- 43	2	130
HARARE/KUTSAGA OBS	17 56 S	31 06 E	1479	29	851.4	1490 Y	20.1	+ 0.1	16.7	-0.7	6	100	- 72	1	127
CHIPINGA	20 12 S	32 37 E	1132	29	887.3	1500 Y	20.5	+ 0.3	18.4	-1.2	10	186	- 13	3	104
OCEAN ISLANDS															
AGALEGA/MAURITIUS	10 26 S	56 45 E	3		1007.0	1007.3	27.3	+ 0.1	29.9	-0.5	10	246	+ 29	4	
ST. BRANDON/ST. RAPHAEL/	16 27 S	59 37 E	4		1008.0	1008.3	27.8	0.0	29.8	-0.6	9	116	- 45	3	
RODRIGUES/MAURITIUS	19 41 S	63 25 E	59		1004.7	1011.0	26.4	- 0.2	27.4	-0.1	13	89	- 71	2	118
PLAISANCE/MAURITIUS	20 26 S	57 40 E	57		1003.4	1009.7	26.1	+ 0.2	28.5	+0.5	18	186	- 31	3	117
MARCH 1984															
AFRICA															
ZIMBABWE															
BULAWAYO/GOETZ OBS	20 09 S	28 37 E	1345	31	867.8	1521 Y	21.4	+ 1.5	14.5	-1.1	6	107	+ 42	4	96
HARARE/KUTSAGA OBS	17 56 S	31 06 E	1479	31	854.3	1520 Y	19.6	+ 0.2	17.4	+1.5	12	129	+ 30	4	96
CHIPINGA	20 12 S	32 37 E	1132	31	890.5	1530 Y	20.0	+ 0.6	18.6	+0.6	12	268	+123	5	88
APRIL 1984															
NORTH AMERICA															
EL SALVADOR															
LOS ANDES	13 53 N	89 39 W	1700				18.4	+ 0.7	15.2	+0.3	2	36	- 36		
ACAJUTLA	13 34 N	89 50 W	15		1008.3	1010.5	28.6	+ 0.3	28.5	+0.8	1	14	- 28	2	
SOUTH AMERICA															
BRAZIL-NORTHERN															
BOA VISTA	02 49 N	60 39 W	90				29.2	+ 2.4	26.1	-0.7	6	64	- 87	1	
AFRICA															
ETHIOPIA															
NEGHELLI	05 17 N	39 45 E	1455	30			21.4		17.7		14	177			
ZIMBABWE															
BULAWAYO/GOETZ OBS	20 09 S	28 37 E	1345	30	869.7	1539 Y	18.7	- 0.2	13.0	+0.1	1	17	- 4	3	105
HARARE/KUTSAGA OBS	17 56 S	31 06 E	1479	30	855.9	1535 Y	18.1	- 0.6	13.9	+0.3	1	31	- 5	1	106
CHIPINGA	20 12 S	32 37 E	1132	30	892.5	1546 Y	18.2	- 0.4	15.5	-0.5	6	24	- 26	1	97
MAY 1984															
NORTH AMERICA															
EL SALVADOR															
LOS ANDES	13 53 N	89 39 W	1700				17.2	- 0.7	16.5	+0.1	19	394	+172		
ACAJUTLA	13 34 N	89 50 W	15		1008.5	1010.5	27.6	- 0.4	29.2	+0.3	9	211	+ 40	4	
SOUTH AMERICA															
BRAZIL-NORTHERN															
BOA VISTA	02 49 N	60 39 W	90				27.7	+ 1.4	27.6	+1.3	17	326	+ 22	3	
ARGENTINA-SOUTHERN															
ESQUEL AERO	42 56 S	71 09 W	785	31	915.7	1007.9	3.4	- 1.7	5.7	-0.3	10	93	+ 15	4	
AFRICA															
CENTRAL AFRICAN REP															
BIRAO	10 17 N	22 47 E	464	31	955.1	1004.9	30.7		21.3		9	64			
N DELE	08 24 N	20 39 E	510	31	950.7	1006.0	27.4		24.5		11	119		4	
BRIA	06 32 N	21 59 E	584	31	947.1	1007.6	25.0		25.3		19	182			
YALINGA	06 30 N	23 16 E	602	31	941.4	1006.7	24.9		25.6		16	191			
BAMBARI	05 51 N	20 39 E	475	31	955.8	1007.8	25.3		25.8		14	285			

SURFACE DATA LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
MAY 1984															
AFRICA															
CENTRAL AFRICAN REP															
ALINDAO	05 03 N	21 12 E	449	31	958.4	1007.7	25.6		26.2		10	226			
BANGASSOU	04 44 N	22 50 E	500	31	953.0	1007.7	25.4		25.9		16	143		1	97
OBO	05 24 N	26 30 E	651	31	937.2	1007.6	24.7		24.3		16	225			
BOSSANGOA	06 29 N	17 26 E	465	31	956.5	1007.3	26.0		26.9		13	131		4	97
BOUAR	05 58 N	15 38 E	1020	31	898.5	1474 Y	22.7		21.7		13	69			
BOSSEMBELE	05 16 N	17 38 E	674	31	934.4	1007.3	24.6		24.1		10	132			
BERBERATI	04 13 N	15 47 E	583	31	944.3	1008.0	23.8		24.8		15	262			92
BANGUI	04 24 N	18 31 E	366	31	967.4	1008.1	25.3		26.6		17	174		4	86
ETHIOPIA															
NEGHELLI	05 17 N	39 45 E	1455	30			19.4		17.5		12	121			
ZIMBABWE															
BULAWAYO/GOETZ OBS	20 09 S	28 37 E	1345	31	870.3	1544 Y	17.2	+ 1.3	9.5	0.0	0	0	- 9	2	107
HARARE/KUTSAGA OBS	17 56 S	31 06 E	1479	31	856.6	1542 Y	16.1	+ 0.2	11.8	+1.3	4	31	+ 20	5	98
CHIPINGA	20 12 S	32 37 E	1132	31	893.1	1550 Y	17.3	+ 1.0	12.6	0.0	6	34	+ 13	5	96
AUSTRALASIA															
INDONESIA															
SABANG	05 52 N	95 19 E	126	31	995.7	1010.1	27.2		26.5		10	74	-150		
MEDAN/POLONIA	03 34 N	98 41 E	25	31	1004.8	1008.0	27.0		29.2		22	383	+168		
SIBOLGA/PINANGSORE	01 33 N	98 53 E	3	31	1007.4	1008.1	26.6		28.0		16	198	-167		
PAKANBARU/SIMPANGTIGA	00 28 N	101 27 E	31	31	1004.4	1008.3	26.6		28.9		12	323	+129		
TAREMPA	03 12 N	106 15 E	3	31	1005.3	1005.7	27.7		29.8		12	220	+ 48		
PALEBANG/TALANGBETUTU	02 54 S	104 42 E	10	31	1008.0	1009.5	26.2		29.9		19	165	- 12		
PANGKALPINANG	02 10 S	106 08 E	33	31	1004.5	1008.7	26.0		28.7		25	290	+ 70		
BELAWAN	03 48 N	98 42 E	3	31	1008.0	1008.6	26.9		30.8		16	146			
TELUKBETUNG/BERANTI	05 16 S	105 11 E	96	31	999.9	1000.9	26.9		26.2		12	144	0		
TARAKAN/JUWATA	03 20 N	117 34 E	6	31	1008.0	1009.0	27.0		30.3		24	427	+ 83		
KETAPANG/RAHADI USMAMAN	01 51 S	109 58 E	9	31	1009.2	1010.5	25.9		29.6		17	120			
BALIKPAPAN/SEPINGGAN	01 16 S	116 54 E	3	31	1008.4	1009.1	26.4		31.0		18	392	+140		
PANGKALAN BUN/ISKANDAR	02 42 S	110 42 E	25	31	1006.2	1009.4	25.8				23	316			
BANJARMASIN/SYAMSUDDIN NOOR	03 27 S	114 45 E	20	31	1008.7	1009.3	25.9		29.7		27	499	+242		
JAKARTA/KEMAYORAN	06 09 S	106 51 E	5	31	1008.7	1009.5	27.1		29.5		11	194	+ 97		
JAKARTA HALIM PERDANAKUSUMA	06 15 S	106 54 E	30	31	1006.3	1009.4	28.7		28.9		11	181	+ 48		
JATIWANGI	06 45 S	108 16 E	50	31	1003.6	1009.7	26.3		29.7		16	146	- 17		
TEGAL	06 51 S	109 09 E	10	31	1009.5	1010.2	27.5		29.7		13	121	- 27		
CILACAP	07 44 S	109 01 E	6	31	1009.1	1010.2	27.1		30.4		22	335	+ 30		
SEMARANG	06 58 S	110 25 E	3	31	1008.8	1009.3	27.7		28.5		9	284			
SEMARANG/AHMADYANI	06 59 S	110 23 E	3	31	1008.4	1008.7	27.9				15	286	+139		
KALIANGET(MADURA)	07 03 S	113 58 E	3	31	1008.0	1008.3	27.5		30.8		16	156			
SURABAYA	07 13 S	113 43 E	3	31	1008.9	1009.6	28.1		29.6		10	478			
SANGKAPURA	05 51 S	112 38 E	3	31	1009.2	1009.9	27.7		29.3		13	112	-151		
SURABAYA/PERAK	07 13 S	112 43 E	3	31	1008.8	1009.5	27.7		29.9		11	132	+ 12		
MENADO/DR SAM RATULANGI	01 32 N	124 55 E	80	31	1000.3	1009.8	25.7		28.7		25	469	+215		
GORONTALO/JALALUDDIN	00 31 N	123 04 E	2	31	1005.0	1007.9	26.2		30.0		22	172	+ 42		
KENDARI/WOLTERMONGINSIDI	04 06 S	122 26 E	50	31	1003.0	1009.1	26.4		32.7		24	425	+198		
UJUNG PANDANG/HASANUDDIN	05 04 S	119 33 E	14	31	1007.5	1009.5	26.3		29.2		21	192	- 50		
DENPASAR/NGURAH-RAI	08 45 S	115 10 E	1	31	1009.4	1011.0	27.0		29.1		9	169	+ 92		
AMPENAN/REMBIGA	08 34 S	116 04 E	3	31	1007.9	1009.9	26.1		28.4		9	130	+ 10		
SUMBAWABESAR	08 26 S	117 25 E	3	31	1008.6	1009.3	26.6		27.8		7	24	- 35		
WAINGAPU/MAU HAU	09 40 S	120 20 E	12	31	1009.4	1010.9	26.2		26.0		5	53	+ 18		
KUPANG/PENFUI	10 10 S	123 40 E	108	31	1007.1	1008.8	25.9		22.8		1	12	- 9		
TEFMAN	00 56 S	131 07 E	3	31	1008.7	1009.4	27.2		30.9		26	602	+233		
JUNE 1984															
SOUTH AMERICA															
BRAZIL-NORTHERN															
BOA VISTA	02 49 N	60 39 W	90				25.6	- 0.3	28.6	+2.7	23	431	+ 66	3	
BRAZIL SOUTHERN															
TRINIDADE/ILHA/	20 30 S	29 19 W	21		1018.3	1018.8	25.1		20.6		6	30			
ARGENTINA-SOUTHERN															
COMODORO RIVADAVIA AERO	45 47 S	67 30 W	61	30	877.0	1016.0	2.8	- 3.7	5.8	0.0	5	61	+ 39	5	120
RIO GRANDE B.A.	53 48 S	67 45 W	11	30	1008.6	1011.5	- 1.8		4.7		6	15			
USHUAIA	54 48 S	68 19 W	14	30	1007.8	1009.5	0.9	- 0.9	5.8	+0.4	8	36	- 3	3	
EUROPE															
NORWAY															
BJORNOYA	74 31 N	19 01 E	14	30	1009.2	1011.0	2.7	+ 0.7	6.7		6	28	+ 2	4	
JAN MAYEN.	70 56 N	08 40 W	9	30	1013.0	1014.1	2.7	+ 0.3	6.2		8	51	+ 16	5	
VARDO	70 22 N	31 06 E	15	30	1008.5	1010.1	6.8	+ 0.6	6.8	-1.4	11	44	+ 7	4	
SVALBARD LUFTHAVN	78 15 N	15 28 E	29	30	1008.2	1011.7	2.7		4.9		1	6			
TROMSO/LANGNES	69 41 N	18 55 E	10	30	1010.2	1011.3	9.8	+ 1.1	8.1	-0.6	16	82	+ 31		86
BODO	67 17 N	14 25 E	13	30	1010.0	1011.5	10.7	+ 0.8	10.2	+0.3	10	59	- 10	3	79

SURFACE DATA LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
JUNE 1984															
EUROPE															
NORWAY															
ORLAND	63 42 N	09 37 E	7	30	1011.3	1012.4	10.8	0.0	10.5	+0.4	15	96	+ 37	4	
BERGEN/FREDRIKSBERG	60 24 N	05 19 E	44	30	1006.4	1011.6	13.6	+ 1.0	11.7	+0.2	12	121	- 5	3	107
STAVANGER/SOLA	58 53 N	05 38 E	8	30	1010.7	1011.9	12.5	- 0.7	11.5	+0.2	12	95	+ 26	4	
OSLO/BLINDERN	59 56 N	10 44 E	96	30	998.0	1009.3	14.5	- 0.2	10.4	-0.9	15	108	+ 37	5	68
OSLO/GARDERMOEN	60 12 N	11 05 E	203	30	985.3	1009.1	13.7	+ 0.1	9.9	-0.8	11	96	+ 24	4	
GERMAN DEMOCRATIC REP															
WARNEMUNDE	54 11 N	12 05 E	10	30	1011.2	1012.4	13.7	- 1.7	12.9	-0.6	14	136	+ 82	6	53
GREIFSWALD	54 06 N	13 23 E	5	30	1011.2	1011.9	13.7	- 2.4	12.3	-1.6	13	113	+ 58	5	54
POTSDAM	52 23 N	13 04 E	94	30	1002.6	1013.9	14.2	- 2.6	12.2	-0.5	11	68	+ 2	3	60
LINDENBERG	52 13 N	14 07 E	99	30	1000.2	1013.6	13.9	- 2.9	12.0	-0.8	15	84	+ 30	5	63
LEIPZIG-SCHKEUDITZ	51 25 N	12 14 E	133	30	998.9	1014.8	14.4	- 1.9	12.0	-0.8	13	48	- 19	2	65
DRESDEN-KLOTZSCHE	51 08 N	13 46 E	226	30	987.8	1014.7	14.5	- 2.0	12.0	-0.7	13	56	- 12		61
GORLITZ	51 10 N	14 57 E	238	30	986.1	1014.4	13.9	- 2.2	12.2	-0.9	14	74	+ 3	4	69
ERFURT-BINDERSLEBEN	50 59 N	10 58 E	323	30	977.5	1015.8	13.5	- 2.0	11.2	-1.5	7	42	- 25	2	74
MEININGEN	50 33 N	10 22 E	456	30	962.8	1016.2	12.4	- 1.7	10.0	-1.6	11	59	- 17		
FICHTELBERG	50 26 N	12 57 E	1215	30	877.7	1479 Y	7.5	- 2.3	8.6	-1.4	15	137	+ 36	5	69
AUSTRIA															
ST. POLTEN	48 12 N	15 38 E	282	30	980.6	1015.1	16.3	- 0.7	11.6	-2.4	6	46	- 56	1	96
WIEN/HOHE-WARTE	48 15 N	16 22 E	212	30	989.4	1014.8	17.2	- 0.9	11.6	-2.1	10	39	- 28	2	84
SALZBURG-FLUGHAFEN	47 48 N	13 00 E	450	30	962.7	1015.9	15.5	- 0.5	10.9	-2.6	14	106	- 61	1	83
INNSBRUCK-FLUGHAFEN	47 16 N	11 21 E	598	30	944.1	1015.2	15.3	- 1.4	11.1	-1.7	13	80	- 34	1	107
KLAGENFURT-FLUGHAFEN	46 39 N	14 21 E	452	30	959.2	1014.4	16.3	- 0.7	10.3	-4.1	7	37	- 87	0	104
GRAZ-THALERHOF-FLUGHAFEN	47 00 N	15 27 E	347	30	972.7	1014.9	16.5	- 0.7	12.9	-1.2	9	78	- 48	2	97
SONNBLICK	47 03 N	12 57 E	3107	30	697.0	3071 Z	- 1.7	- 1.1	4.6	-0.9	18	103	- 50	3	111
PORTUGAL															
HORTA/ACORES	38 51 N	28 38	62	30	1019.0	1026.4	19.3	+ 0.7	18.4	+0.2	3	T	+ 20	2	117
PONTA DELGADA/ACORES	37 45 N	25 40 W	36	30	1021.5	1025.8	18.8	0.0	15.9	-1.7	5	10	- 32	1	127
SANTA MARIA /ACORES/	36 58 N	25 10 W	100	30	1013.7	1025.8	18.4	- 0.6	15.5	-1.8	3	8	- 17		
PORTO/SERRA DO PILAR	41 08 N	08 36 W	100	30	1005.1	1018.3	18.5	+ 0.5	15.9	+0.8	11	93	+ 52	4	72
LISBOA	38 43 N	09 09 W	95	30	1007.0	1018.2	20.0	- 0.1	16.1	+1.1	6	23	+ 7	5	78
MADEIRA															
FUNCHAL	38 38 N	16 54 W	56	30	1013.7	1020.3			16.5	-0.4	0	0	- 5	3	
ITALY															
MILANO/LINATE	45 26 N	09 17 E	103	30	1003	1015	20.6	- 0.8	16.6	-0.8	4	52	- 37	1	110
VERONA/VILLAFRANCA	45 23 N	10 52 E	68	30	1008	1016	20.4	- 0.4	16.5	-0.7	4	54	- 10	3	
UDINE RIVOLTO	45 59 N	13 02 E	53	30	1010	1016	18.6		16.2		12	330			
PISA/S. GIUSTO	43 40 N	10 23 E	1	30	1016	1017	20.1	- 0.8	16.8	-1.5	3	56	+ 6	4	86
ROMA/FIUMICINO	41 48 N	12 14 E	3	30	1016	1016	20.1	- 1.6	19.9	+1.6	2	4	- 14	1	
NAPOLI/CAPODICHINO	40 51 N	14 18 E	72	30	1009	1017	20.8	- 0.6	18.4	+0.3	6	51	+ 30	5	94
TRIESTE	45 39 N	13 45 E	20	30	1013	1015	20.1	- 1.5	15.9	-1.2	8	109	+ 28	4	95
VENEZIA/TESSERA	45 30 N	12 20 E	6	30	1015	1016	19.4	- 1.3	16.7	-1.5	5	53	- 31	2	94
FALCONARA	43 37 N	13 22 E	10	30	1014	1016	19.9		16.0		3	13			
PESCARA	42 26 N	14 12 E	16	30	1014	1015	20.7	+ 0.1	17.4	-0.7	6	32	- 6	3	106
MARINA DI GINOSA	40 26 N	16 53 E	12	30	1014	1016	21.7	- 1.7	18.4	+0.1	2	12	- 3	3	
BRINDISI	40 39 N	17 57 E	10	30	1014	1015	21.0	- 0.5	17.0	-2.0	1	1	- 12	2	98
ALGHERO	40 38 N	08 17 E	40	30	1015	1017	19.4	- 1.2	18.2	+0.5	5	23	+ 6	4	86
CAGLIARI/ELMAS	39 15 N	09 03 E	18	30	1017	1017	20.6	- 1.0	16.8	-1.4	1	3	- 10	2	106
TRAPANI/BIRGI	37 55 N	12 30 E	14	30	1017	1018	21.4	- 0.6	19.1	+1.7	1	2	- 7	3	102
MESSINA	38 12 N	15 33 E	51	30	1010	1017	22.0	- 0.8	16.4	-1.9	1	3	- 12	3	104
ROMANIA															
CLUJ	46 47 N	23 34 E	415	30	966.6	1014.6	15.3	- 2.5	13.0	-1.8	13	54	- 19		115
BISTRITA	47 09 N	24 31 E	366	30	972.1	1015.1	15.2	- 2.4	13.3	-1.9	18	135	+ 48	5	
IASI	47 10 N	27 36 E	103	30	1001.2	1010.5	18.0	- 1.5	15.3	+1.6	8	116	+ 43	5	101
TIMISOARA	45 46 N	21 15 E	91	30	1005.2	1015.6	18.0	- 1.7	13.5	-3.0	10	57	- 19	3	115
SIBIU	45 48 N	24 09 E	452	30	963.5	1015.2	16.0	- 1.6	13.2	-1.5	14	70	- 41	2	108
BUCURESTI/IMH	44 30 N	26 08 E	95	30	1004.2	1013.7	19.2	- 1.7	16.0	+0.1	16	122	+ 35	5	
SULINA	45 09 N	29 40 E	9	30	1012.2	1013.3	18.7	- 1.5	18.1	+0.9	5	26	+ 14	3	108
AFRICA															
SUDAN															
DONGOLA	19 10 N	30 29 E	226	30	980.6	1005.9	32.5	+ 1.0	7.7	+4.4	0	0		5	
PORT SUDAN	19 35 N	37 13 E	2	30	1003.9	1004.2	29.3	+ 5.0	24.4	+0.6	0	0		4	
KHARTOUM	15 36 N	32 33 E	380	30	962.6	1006.7	34.3	0.0	9.0	+5.7	1	T		4	
EL OBEID	13 10 N	30 14 E	574	30	943.9	1006.4	27.5	+ 3.5	13.5	+4.4	1	5		3	
DAMAZINE	11 47 N	34 23 E	470	30	956.1	1006.7	29.1	+ 0.2	21.4	+0.1	7	53		2	
JUBA	04 52 N	31 36 E	457	30	957.6	1009.3	26.2	+ 0.5	22.5	+2.5	11	85		3	
ETHIOPIA															
NEGHELLI	05 17 N	39 45 E	1455	30			18.4		15.4		0	0			
ZIMBABWE															
BULAWAYO/GOETZ OBS	20 09 S	28 37 E	1345	30	873.0	1569 Y	13.6	+ 0.2	9.3	+1.4	1	1	- 2	4	93
HARARE/KUTSAGA OBS	17 56 S	31 06 E	1479	30	859.0	1565 Y	13.0	- 0.6	9.5	+0.6	0	0	- 4	1	93

SURFACE DATA LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
JUNE 1984															
AFRICA															
ZIMBABWE															
CHIPINGA	20 12 S	32 37 E	1132	30	896.2	1575 Y	14.2	+ 0.1	11.2	+0.1	2	10	- 19	2	84
MOZAMBIQUE															
VILA CABRAL	13 17 S	35 15 E	1365	30	870.2	1562 Y	15.1	- 0.9	13.3	+0.7	0	0	- 3		87
TETE	16 11 S	33 35 E	150	30	1003.0	1020.5	22.6	- 0.8	17.1	-0.2	1	3	- 1		99
NAMPULA	15 06 S	39 17 E	441	30	968.4	1019.6	20.2	- 1.0	18.5	-0.7	4	8	- 9		104
PORTO AMELIA	12 58 S	40 30 E	50	30	1006.7	1018.1	23.3	- 1.2	21.5	-0.1	6	30	+ 13		100
QUELIMANE	17 53 S	36 53 E	8	30	1019.3	1021.2	20.9	- 1.1	20.8	-1.0	9	74	+ 11	4	116
BEIRA/SACADURA CABRAL	19 48 S	34 54 E	16	30	1019.7	1021.5	21.0	- 0.1	19.2	-0.6	2	6	- 36	1	95
INHAMBANE	23 52 S	35 23 E	15	30			20.2	- 1.0	19.7	0.0	7	67	- 9	4	109
MAPUTO/MAVALANE	25 55 S	32 34 E	44	30	1018.1	1023.3	18.6	- 0.4	15.5	-0.6	3	18	- 9		93
ASIA															
ISRAEL															
BEN GURION INT AP	32 00 N	34 54 E	49	30	1005.6	1010.3	23.5		19.9		0	0		5	95
JERUSALEM	31 47 N	35 13 E	809	30	926.0	1487 Y	20.3		13.5		0	T		5	89
EILAT	29 33 N	34 57 E	13	30	1006.5	1007.6	31.0 S24.5		10.2		0	0		5	102
INDIA															
MUKTESWAR KUMAON	29 28 N	79 39 E	2311	30	767.3	3089 Z	18.2	- 0.9	18.0	+4.1	14	210	+ 67	5	
AGRA	27 10 N	78 02 E	169	30	977.2	995.4	35.3	+ 0.3	26.9	+4.0	3	69	+ 9	4	
ALLAHABAD/BAMHRAULI	25 27 N	81 44 E	98	30	984.9	995.6	32.7	- 1.6	29.1	+5.0	6	124	+ 24	4	
AUSTRALASIA															
INDONESIA															
SABANG	05 52 N	95 19 E	126	30	995.6	1009.9	26.3		25.5		15	165	+ 52		
GUNUNG SITOLI/BINAKA	01 16 N	97 37 E	6	30	1008.4	1009.0	25.5		28.8		24	230			
SIBOLGA/PINANGSORE	01 33 N	98 53 E	3	30	1007.9	1008.6	25.9		27.5		14	289	+ 31		
TANJUNGPINANG/KIJANG	00 55 N	104 32 E	18	30	1007.1	1009.4	26.1		30.1		14	184	- 36		
PAKANBARU/SIMPANGTIGA	00 28 N	101 27 E	31	30	1004.4	1008.4	26.4		28.5		9	95	- 18		
TAREMPA	03 12 N	106 15 E	3	30	1005.1	1005.7	28.3		30.0		8	117	- 77		
RENGAT/JAPURA	00 26 S	102 27 E	46	30	1007.6	1009.8	26.4		28.5		14	246	+116		
JAMBI/PAALMERAH	01 38 S	103 39 E	25	30	1006.1	1009.3	26.8		29.2		9	88	- 43		
PALEBANG/TALANGBETUTU	02 54 S	104 42 E	10	30	1008.2	1009.7	26.8		29.6		8	205	+ 75		
PANGKALPINANG	02 10 S	106 08 E	33	30	1004.8	1009.0	26.8		28.1		16	76	- 84		
BENGKULU/PADANGKEMILING	03 52 S	102 20 E	16	30	1006.5	1008.6	26.3		29.8		8	87	-122		
PONTIANAK/SUPADIO	00 01 S	109 23 E	0	30	1007.9	1008.6	26.1				12	195	- 43		
KETAPANG/RAHADI USMAMAN	01 51 S	109 58 E	9	30	1009.5	1010.7	26.3		29.9		6	596			
JAKARTA/TANJUNG PRIOK	06 06 S	106 52 E	2	30	1009.1	1009.7	28.0		29.2		5	65			
JAKARTA/KEMAYORAN	06 09 S	106 51 E	5	30	1009.2	1009.9	27.2		27.6		6	39	- 46		
JAKARTA/OBS	06 11 S	106 50 E	8	30	1009.0	1010.0	27.6		29.5		5	54	- 43		
JATIWANGI	06 45 S	108 16 E	50	30	1004.0	1010.1	26.3		26.4		4	94	+ 9		
TEGAL	06 51 S	109 09 E	10	30	1010.2	1010.9	26.5		27.1		5	324	+230		
CILACAP	07 44 S	109 01 E	6	30	1010.5	1011.6	26.6		28.0		8	227	- 88		
SEMARANG	06 58 S	110 25 E	3	30	1005.0	1009.6	27.1		25.7		10	110			
SEMARANG/AHMADYANI	06 59 S	110 23 E	3	30	1009.5	1010.2	27.1		29.7		9	256	+177		
SURABAYA/JUANDA	07 22 S	112 46 E	3	30	1009.8	1010.6	26.6		26.5		4	45			
SURABAYA	07 13 S	113 43 E	3	30	1009.7	1010.4	26.9		26.2		5	51			
SURABAYA/PERAK	07 13 S	112 43 E	3	30	1009.5	1010.2	27.1		26.4		5	70	+ 15		
GORONTALO/JALALUDDIN	00 31 N	123 04 E	2	30	1005.9	1008.3	26.0		28.9		19	226	+ 90		
KENDARI/WOLTERMONGINSIDI	04 06 S	122 26 E	50	30	1003.8	1010.0	26.1				23	352	+108		
UJUNG PANDANG/HASANUDDIN	05 04 S	119 33 E	14	30	1008.0	1009.9	26.1		27.7		13	53	- 34		
DENPASAR/NGURAH-RAI	08 45 S	115 10 E	1	30	1010.7	1011.4	26.3		26.7		2	19	- 76		
AMPENAN/REMBIGA	08 34 S	116 04 E	3	30	1009.1	1011.1	25.3		25.8		6	65	- 23		
SUMBAWABESAR	08 26 S	117 25 E	3	30	1009.6	1010.3	25.8		23.6		3	3	- 53		
MAUMERE/WAI OTI	08 38 S	122 15 E	3	30	1008.4	1011.4	26.2				3	9	- 18		
WAINGAPU/MAU HAU	09 40 S	120 20 E	12	30	1010.7	1012.2	26.2		23.4		1	7	- 37		
KUPANG/PENFUI	10 10 S	123 40 E	108	30	998.3	1010.1	25.9		20.7		1	1	- 21		
TERNATE/BABULLAH	00 47 N	127 23 E	23	30	1005.7	1008.7	26.5		29.6		19	234	+ 15		
TEFMAN	00 56 S	131 07 E	3	30	1009.1	1009.7	27.5		30.8		22	484	+133		
MANOKWARI/RENDANI	00 53 S	134 03 E	3	30	1008.3	1008.6	26.6				12	152	- 9		
BIAK/MOKMER	01 11 S	136 07 E	11	30	1008.0	1009.5	26.2		29.9		20	295	+ 51		
SANANA	02 05 S	126 00 E	2	30	1009.8	1010.9	29.7		34.4		22	171	- 97		
SENTANI	02 34 S	140 29 E	99	30	998.3	1008.5	26.5		28.1		11	61			
JAYAPURA	02 32 S	140 43 E	3	30	1007.5	1008.9	27.6		30.4		18	202			
AMAHAI	03 21 S	128 53 E	10	30	1008.8	1010.3	28.1				28	175			
SAUMLAKI	07 59 S	131 18 E	24	30	1009.5	1012.5	26.2		27.7		16	88	-128		
OCEAN WEATHER STATIONS															
SHIP L	57 00 N	20 00 W		30		1017.2	10.8 S11.1		11.7						

SURFACE DATA CORRECTIONS

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUN-SHINE
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	NO. OF DAYS ≥ MM.	TOTAL	DEPARTURE	QUINTILE	PERCENTAGE OF LONG-TERM AVERAGE
	° '	° '	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
OCTOBER 1983															
EUROPE															
GERMAN DEMOCRATIC REP															
ERFURT-BINDERSLEBEN	50 59 N	10 58 E	323					+ 1.4							
JANUARY 1984															
NORTH AMERICA															
CANADA-WESTERN															
SACHS HARBOUR	71 59 N	125 17 W	86								1				
CAMBRIDGE BAY	69 06 N	105 07 W	27									5	0		
INUVIK	68 18 N	133 29 W	68								6				
CANADA-EASTERN															
BAKER LAKE	64 18 N	96 00 W	13		1011.3	1013.3									
CHATHAM	47 01 N	65 27 W	34									85	- 12		
ASIA															
JAPAN															
ASAHIKAWA	43 46 N	142 22 E	116								17				
FEBRUARY 1984															
NORTH AMERICA															
CANADA-WESTERN															
NORMAN WELLS	65 17 N	126 48 W	73				-28.4	+ 1.8							
LETHBRIDGE	49 38 N	112 48 W	929												100
SANDSPIT	53 15 N	131 49 W	6												85
CANADA-EASTERN															
SEPT-ILES	50 13 N	66 16 W	55				- 9.2	+ 3.5							
BAGOTVILLE	48 20 N	71 00 W	159		994.8										
MARCH 1984															
NORTH AMERICA															
CANADA-EASTERN															
BAGOTVILLE	48 20 N	71 00 W	159								9				
CHATHAM	47 01 N	65 27 W	34								11	89	+ 5		
STEPHENVILLE	48 32 N	58 33 W	26								16				
SYDNEY	46 10 N	60 03 W	62				- 3.2	- 0.8			12				
ASIA															
JAPAN															
SAPPORO	43 03 N	141 20 E	19								17				
MAY 1984															
NORTH AMERICA															
CANADA-EASTERN															
SEPT-ILES	50 13 N	66 16 W	55									135	+ 53		
JUNE 1984															
SOUTH AMERICA															
BRAZIL-NORTHERN															
PORTO VELHO/AEROPORTO	08 46 S	63 55 W	105		1002.4	1009.1			28.4	+3.1					
BRAZIL SOUTHERN															
CUIABA	15 36 S	56 06 W	165		996.9				20.3	+0.1					
PONTA PORA	22 32 S	55 44 W	650		938.4	1015.5			16.2	+2.3					
TRES LAGOAS	20 47 S	51 42 W	314			1015.0	20.5	+ 1.5	16.4	-1.0					
CORUMBA	19 01 S	57 40 W	140		997.3		21.0	- 0.6							

UPPER AIR DATA

JULY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
NORTH AMERICA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
ALASKA																																									
BARROW	2	1,011		2.9	1.3					1,423	0	3.1	6.8	4	63	242	5	2,975	0	-4.9	6.7	2	64	249	7	5,547	0	-20.2	8.4	1	61	249	8	9,130	1	-45.6		1	46	263	7
		1,796	1	-46.7		1	58	276	7	1,711	1	-45.8		1	55	277	4	6,409	1	-46.0		1	41	281	2	1,045	3	-43.7		3	50	75	2	4,497	7	-42.0		7	96	71	4
BARTER ISLAND	2	1,010		2.8	1.6					1,426	0	4.3	7.4	0	75	272	6	2,983	0	-4.3	7.8	0	76	277	7	5,559	0	-20.2	7.5	1	66	281	9	9,148	0	-46.6		0	52	282	10
		1,801	0	-47.1		0	61	279	7	3,714	0	-46.1		0	59	278	5	6,408	0	-46.2		0	47	278	2	21,036	0	-44.2		0	63	80	2	24,476	1	-42.1		1	96	75	5
KOTZEBUE	2	1,010		9.9	3.7					1,436	0	4.8	6.0	0	71	230	5	2,997	0	-3.1	8.1	0	69	232	6	5,586	0	-18.8	10.6	0	61	241	7	9,192	0	-45.2		0	46	254	9
		1,845	0	-48.4		2	57	266	8	3,745	0	-47.6		2	47	276	5	6,422	0	-47.9		2	28	293	2	21,018	0	-45.8		0	68	71	3	24,434	0	-43.4		0	95	74	5
NOME	2	1,011		9.5	2.5					1,435	0	5.1	5.5	5	65	232	5	2,999	0	-2.6	8.4	3	65	230	6	5,593	0	-18.5	10.3	2	59	242	7	9,208	1	-44.2		2	49	272	8
		1,859	1	-49.9		2	48	290	6	3,753	1	-48.3		2	42	296	4	6,418	1	-48.6		2	32	327	2	20,993	1	-46.9		1	79	69	3	24,391	1	-44.9		2	95	76	5
FAIRBANKS	2	996		12.7	2.0					1,458	1	6.8	4.4	2	77	255	5	3,023	1	-3.5	4.2	1	67	265	5	5,609	1	-19.2	7.9	1	48	284	4	9,207	1	-46.1		2	48	320	6
		1,841	1	-50.3		2	38	310	3	3,734	1	-48.1		2	33	305	2	6,403	1	-48.0		2	10	276	1	20,988	1	-46.5		1	81	76	3	24,396	1	-44.0		1	96	74	5
MCGRATH	2	1,002		11.8	3.2					1,469	1	6.0	3.1	1	56	228	4									5,622	1	-18.7	7.5	1	22	258	2								
		1,862	1	-50.9		1	42	322	5									6,416	1	-48.4		1	17	347	1									24,388	1	-45.4		2	98	79	5
BETHEL	2	1,011		10.3	1.3					1,471	0	5.9	6.0	2	46	239	3	3,038	0	-2.2	5.9	1	38	261	3	5,636	0	-17.8	9.3	1	27	289	3	9,256	0	-44.9		1	30	331	4
		1,898	0	-51.7		2	58	320	8	3,779	0	-49.6		2	54	320	5	6,432	0	-50.0		2	40	336	2	20,986	0	-48.0		1	89	73	3	24,373	0	-45.6		3	97	84	6
ANCHORAGE	2	1,010		12.7	4.4					1,475	0	4.3	1.8	3	47	160	2	3,031	0	-4.2	4.1	0	23	83	1	5,610	0	-19.5	6.8	0	47	47	5	9,204	0	-46.8		0	48	20	7
		1,837	1	-50.7		1	46	352	5	3,724	1	-48.9		1	37	339	2	6,381	1	-49.6		1	13	299	1	20,934	1	-48.3		1	82	81	3	24,316	3	-45.8		3	96	82	5
ST. PAUL	2	1,018		6.7	0.7					1,495	0	6.5	8.3	0	61	279	5	3,068	0	-1.3	10.2	0	60	280	6	5,676	0	-16.6	8.7	0	64	297	8	9,316	0	-43.7	2.3	3	42	298	7
		1,959	0	-53.0		3	55	305	8	3,825	0	-51.5		3	59	310	7	6,453	0	-51.7		4	50	331	3	20,975	0	-49.4		1	79	63	3	24,345	1	-46.6		1	97	85	6
COLD BAY	2	1,016		8.5	1.5					1,494	1	4.7	5.2	3	59	323	5	3,060	1	-2.1	8.9	3	60	320	6	5,658	1	-18.0	10.2	2	64	320	8	9,283	1	-44.3	3.7	1	65	323	12
		1,938	1	-52.1		2	74	323	11	3,807	1	-51.5		2	71	319	7	6,437	2	-52.0		3	62	341	3	20,950	2	-49.9		2	89	72	3	24,308	3	-47.5		3	99	85	7
KING SALMON	2	1,014		9.5	1.1					1,467	0	4.8	4.9	3	17	283	1	3,028	0	-3.2	5.6	0	28	349	2	5,615	0	-18.9	8.3	0	39	356	4	9,227	0	-45.2		1	54	11	9
		1,874	0	-50.4		1	63	343	8	3,765	1	-49.3		2	61	337	5	6,415	1	-50.0		2	44	341	2	20,960	2	-48.4		2	85	88	3	24,338	2	-46.0		2	97	89	6
YAKUTAT	2	1,016		9.7	0.8					1,479	0	3.1	2.9	1	53	160	3	3,030	0	-4.9	6.4	1	46	157	3	5,602	0	-20.5	10.5	0	38	153	3	9,185	0	-46.6		0	13	158	2
		1,842	0	-47.9		0	15	212	1	3,744	0	-48.0		0	29	226	2	6,409	0	-49.1		0	36	218	2	20,963	0	-48.6		0	70	98	2	24,345	1	-45.9		1	96	82	5
ANNETTE ISLAND	2	1,016		11.9	1.4					1,508	0	4.2	2.3	2	71	193	4	3,068	0	-3.2	8.4	1	63	218	5	5,652	0	-19.0	11.3	0	60	224	8	9,259	0	-45.0		1	60	237	13
		1,920	0	-49.1		3	66	238	11	3,812	0	-48.9		3	65	235	8	6,463	0	-50.6		3	69	224	5	20,985	1	-50.1		3	74	114	2	24,350	5	-47.0		6	97	88	6
UNITED STATES-NORTHWEST																																									
QUILLAYUTE	2	1,013		10.9	1.3					1,522	1	9.9	14.0	5	56	282	3	3,115	1	2.7	16.4	2	74	261	6	5,759	2	-13.6	15.6	2	78	255	12	9,445	2	-40.1	10.5	2	86	246	22
		2,122	2	-52.4		2	88	245	26	3,970	2	-55.4		2	88	247	20	6,542	3	-57.4		3	84	243	9	20,956	4	-53.5		4	78	103	3	24,276	6	-49.4		6	99	88	7
MEDFORD	2	969		15.0	5.6					1,519	0	15.0	9.7	0	54	55	1	3,150	0	8.4	16.2	0	59	212	4	5,836	0	-10.0	16.2	0	69	233	8	9,570	0	-37.5	13.4	0	80	233	18
		2,266	1	-53.8		1	82	231	21	4,086	1	-60.4		1	85	236	17	6,587	1	-62.6		1	69	230	6	20,920	1	-56.3		1	95	94	6	24,208	2	-50.7		4	99	86	10
SPOKANE	2	932		13.8	6.4					1,510	0	16.4	15.6	2	69	236	4	3,127	0	4.8	12.5	1	83	247	7	5,789	0	-11.3	15.2	1	88	251	13	9,510	0	-37.7	11.1	0	88	247	25
		2,198	0	-53.7		1	88	247	30	4,034	1	-57.6		2	88	254	20	6,578	1	-58.7		2	83	252	8	20,974	2	-53.4		2	82	83	4	24,292	2	-49.2		4	99	80	8
GREAT FALLS	2	890		13.7	9.7					1,507	0	17.7	15.9	4	64	252	3	3,134	1	6.0	9.5	5	90	263	7	5,806	1	-10.9	12.6	4	93	259	15	9,535	2	-37.4	11.4	4	92	266	26
		2,230	2	-53.1		5	91	268	30	4,056	3	-58.8		6	93	271	23	6,588	4	-59.7		7	89	274	9	20,984	5	-53.3		7	91	79	5	24,306	6	-48.5		7	98	83	9
BISMARCK	2	956		15.3	3.7					1,508	0	17.1	11.3	0	48	247	3	3,133	0	5.8	9.0	1	76	285	7	5,803	0	-10.8	12.3	0	86	286	14	9,533	1	-37.2	9.7	1	85	286	24
		2,224	1	-54.0		1	89	287	29	4,048	2	-59.2		2	91	288	20	6,577	3	-59.6		3	88	304	9	20,968	3	-53.6		3	86	77	4	24,288	3	-48.7		3	98	82	8
HURON/HOWES MUN	2	968		17.7	2.5					1,515	0	17.2	10.6	1	42	276	3	3,144	0	6.9	9.4	1	76	295	6	5,828	0	-9.6	12.3	0	83	295	12	9,583	0	-35.6	11.1	0	84	297	19
		2,285	0	-54.6		0	86	296	25	4,093	0	-61.5		1	88	302	20	6,594	1	-61.5		1	87	315	9	20,958	1	-54.6		1	92	69	5	24,269	2	-49.2		2	98	84	9
RAPID CITY	2	906		16.0	4.2					1,510	0	19.1	10.6	0	43	214	3	3,155	0	9.5	9.6	1	66	285	5	5,855	0	-8.6	10.4	0	83	281	10	9,618	0	-35.1	12.6	1	86	281	17
		2,323	0	-54.7		0	87	283	22	4,127	0	-62.5		0	90	290	18	6,615	0	-63.0		0	80	305	7	20,955	0	-55.4		0	88	74	4	24,258	0	-49.6		0	97	83	9
BOISE	2	915		16.8	9.9					1,506	0	21.0	18.6	1	7	344	**	3,152	0	9.8	14.7	2	55	256	4	5,849	0	-8.7	13.7	0	85	247	11	9,603	0	-36.1	11.6	0	84	238	17
		2,308	0	-53.9		0	84	239	23	4,121	0	-61.4		1	85	245	17	6,617	0	-63.0		0	66	242	6	20,959	1	-55.0		1	93	88	5	24,260	2	-50.1		2	98	85	10
WINNEMUCCA	2	869		13.8	10.9					1,501	0	21.1	16.7	1	39	104	2	3,158	0	11.4	15.2	2	59	238	3	5,866	0	-7.9	14.4	0	78	231	7	9,632	0	-34.9	12.4	1	81	235	15
		2,345	0	-53.8		0	84	228	20	4,150	0	-63.0		0	84	235	16	6,626	0	-64.8		0	55	225	4	20,938	1	-55.9		1	96	90	7	24,220	4	-50.3		4	99	85	11
ELY	2	812		12.5	5.5													3,167	0	11.7	12.1	1	62	211	3	5,881	0	-7.7	9.6	0	53	222	4	9,662	1	-34.1	10.7	1	71	230	9
		2,377	1	-54.6		1	71	228	12	4,171	2	-65.0		2	76	239	10	6,616	2	-67.5		2	45	188	3	20,889	2	-58.0		2	97	87	8	24,152	3	-52.8		3	99	87	12
SALT LAKE CITY	2	872		19.7	7.6					1,511	2	21.6	13.5	2	90	153	4	3,168	0	11.0	12.2	0	48	247	3	5,879	1	-7.7	11.3	1	63	248	6	9,654	0	-34.3	11.0	0	70	247	11
		2,367	0	-54.5		0	72	250	12	4,163	0	-64.5		0	76	257	11	6,617	0	-66.2		0	37	246	2	20,914	0	-56.4		0	96	83	7	24,198	1	-50.8		2	99	85	10
GRAND JUNCTION	2	854		19.8	10.6					1,513	1	20.4	11.0	1	76	113	3	3,172	0	12.2	10.9	0	50	228	2	5,890	0	-7.6	7.6	0	61	243	4	9,677	0	-33.5	11.3	0	53	263	6
		2,394	0	-54.8		0	56	261	7	4,186	0	-65.4		0	54	268	6	6,629	0	-67.3		0	13	327	1	20,909	0	-56.9		0	98	82	8	24,185	4	-51.1		4	99	86	11
DENVER	2	840		17.0	6.2													3,159	0	12.4	11.7	0	52	285	2	5,879	0	-7.4	10.9	0	70	296	5	9,664	0	-33.6	12.0	0	69	287	8
		2,384	0	-54.3		0	65	289	9	4,179	0	-65.0		0	66	288	7	6,625	0	-66.9		0	38	330	2	20,921	0	-56.6		0	97	84	8	24,206	0	-50.6		0	98	86	12
NORTH PLATTE	2	919		17.2	6.7					1,517	0	19.4	9.1	1	64	196	5	3,166	0	10.0	9.3	1	67	268	4	5,871	0	-7.9	12.1	0	67	297	7	9,650	0	-34.2	11.3	0	82	297	12
		2,365	0	-54.4		0	79	299	15	4,163	0	-64.3		0	81	304	13	6,626	1	-64.7		1	68	322	5	20,943	3	-55.4		3	96	79	7	24,240	3	-50.2		3	99	86	11
UNITED STATES-NORTHEAST																																									
INTERNATIONAL FALLS	2	972		12.4	1.3					1,492	0	12.0	6.3	1	73	293	6	3,090	0	2.9	10.8	1	78	299	9	5,738	0	-12.7	14.0	0	83	298	15	9,438	0	-39.4	8.2	0	85	298	23
		2,112	1	-52.3		1	85	299	26	3,958	1	-56.2		1	86	301	19	6,527	1	-56.8		1	88	308	9	20,963	1	-52.3		1	85	61	3	24,297	2	-48.2		2	99	82	8
ST. CLOUD	2	979		15.0	1.7					1,522	0	14.4	8.4	3	66	285	6	3,136	0	5.2	12.1	2	78	298	8	5,803	0	-11.0	12.3	2	85	294	13	9,529	0	-37.3	10.2	2	85	307	21
		2,227	0	-53.4		2	86	303	28	4,055	0	-58.9		2	88	304	19	6,590	0	-59.2		2	86	314	8	20,986	1	-53.4		3	91	58	4	24,310	1	-48.7		4	98	81	8
SAULT STE. MARIE	2	988		13.5	1.8					1,494	0	11.2	6.2	1	74	289	6	3,089	0	2.7	10.7	1	81	289	9	5,737	0	-12.8	12.3	0	82	290	13	9,432	0	-40.1	6.7	0	76	292	19
		2,107	0	-53.3		0	79	296	23	3,950	0	-55.5		0	84	298	17	6,525	0	-56.5		0	85	301	7	20,961	1	-52.4		1	89	76	3	24,296	1	-48.0		1	98	86	8
CARIBOU	2	990		15.6	2.3					1,478	0	11.2	4.6	1	76	268	8	3,073	0	1.6	6.1	0	83	259	11	5,719	0	-12.4	13.3	0	83	257	17	9,430	0	-38.5	8.1	1	79	254	25
		2,110	0	-53.1		4	77	263	25	3,952	0	-55.6		6	85	262	18	6,535	0	-55.6		2	82	256	7	20,995	1	-51.4		2	83	93	3	24,341	2	-47.6		3	98	88	8
DAYTON	2	982		17.5	2.7					1,534	0	13.4	5.4	1	64	276	4	3,146	0	5.4	10.4	0	73	278	7	5,821	0	-9.9	14.0	0	73	281	9	9,565	1	-36.5	10.8	1	66	287	13
		2,266	1	-53.7		1	67	292	16	4,081	1	-60.8		1	74	295	13	6,585	1	-62.2		1	62	301	5	20,938	1	-55.2		1	97	82	7	24,240	2	-50.0		2	99	87	11
BUFFALO	2	990		17.4	4.9					1,517	0	11.9	6.5	1	74	277	6	3,117	0	3.8	13.7	1	79	280	8	5,776	1	-11.7	14.3	2	83	271	11	9,491	1	-38.3	10.3	2	71	263	17
		2,175	1	-53.8		2	71	267	20	4,004	1	-57.8		2	76	272	15	6,551	1	-58.8		4	75	274	7	20,954	2	-53.9		5	67	83	4	24,268	3	-49.1		8	99	86	10

UPPER AIR DATA

JULY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
NORTH AMERICA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
UNITED STATES-NORTHEAST																																									
CHATHAM	2	1,014		18.5	1.6					1,529	0	13.7	6.7	3	82	254	7	3,140	0	5.1	10.4	1	87	255	11	5,817	0	-9.9	13.5	1	88	251	15	9,569	0	-35.6	11.7	0	77	257	19
		12,268	2	-55.0		2	78	262	21	14,071	2	-61.9		2	83	258	16	16,582	2	-60.4		2	82	266	6	20,963	2	-54.4		2	88	87	5	24,275	5	-49.1		5	99	88	10
WASHINGTON DULLES	2	1,006		18.6	1.4					1,531	2	13.6	5.1	6	71	279	6	3,142	3	5.4	9.9	5	82	260	9	5,822	3	-9.3	11.9	4	81	255	11	9,580	3	-35.4	9.5	4	73	252	16
		12,280	3	-54.9		4	74	260	17	14,080	3	-63.1		4	69	258	12	16,575	3	-61.8		4	50	267	3	20,923	3	-55.6		4	97	83	7	24,218	4	-50.2		5	99	91	11
UNITED STATES-SOUTHWEST																																									
OAKLAND	2	1,011		15.2	2.7					1,506	0	22.0	22.2	2	49	245	2	3,159	0	11.3	17.2	2	67	183	4	5,872	0	-7.9	14.2	3	69	203	7	9,637	1	-35.2	14.2	1	71	220	11
		12,350	1	-53.5		1	79	215	15	14,159	1	-62.7		1	83	220	13	16,623	1	-66.6		1	59	189	5	20,902	1	-57.9		1	98	90	9	24,165	3	-52.1		3	99	88	12
SAN DIEGO	2	997		20.2	1.9					1,509	0	21.3	13.2	0	22	341	1	3,162	0	10.5	9.8	1	79	122	4	5,875	0	-7.1	9.9	1	61	129	3	9,665	0	-33.2	14.0	0	54	170	4
		12,391	0	-53.9		0	60	183	6	14,187	0	-65.7		0	60	199	4	16,612	0	-69.2		0	84	104	6	20,850	0	-58.5		0	98	89	12	24,104	0	-53.3		0	99	87	15
DESERT ROCK	1	899		34.0	23.6					1,508	0	27.8	18.7	1	63	200	3	3,183	0	12.6	10.3	1	67	192	3	5,910	2	-6.4	9.3	2	38	191	2	9,713	3	-32.8	10.9	3	64	191	6
		12,441	3	-53.6		4	43	205	4	14,242	3	-64.5		4	44	204	3	16,684	3	-67.8		4	52	152	3	20,964	3	-56.9		4	98	94	9	24,242	4	-50.9		5	98	92	12
EL PASO	2	883		22.0	8.0					1,525	0	22.5	10.9	1	57	147	3	3,185	0	11.0	6.8	4	61	140	3	5,897	0	-7.3	11.7	2	75	100	6	9,697	0	-32.9	12.9	0	64	52	5
		12,419	1	-54.7		1	58	28	5	14,208	1	-66.1		1	67	46	6	16,629	1	-69.8		1	88	79	8	20,867	2	-58.7		2	98	91	13	24,123	3	-52.0		3	99	92	17
ALBUQUERQUE	2	841		19.3	8.7													3,179	0	11.3	7.3	2	48	216	2	5,892	0	-7.5	9.7	1	44	107	2	9,685	0	-33.3	11.3	1	19	39	1
		12,400	1	-55.2		3	26	49	2	14,186	1	-66.2		3	38	44	3	16,612	1	-68.8		3	75	78	5	20,861	1	-58.3		3	98	83	10	24,123	1	-51.6		4	99	88	13
OKLAHOMA CITY/W ROGERS WORLD	2	970		22.1	6.6					1,540	0	19.8	8.9	0	70	233	4	3,181	0	8.6	9.4	0	46	334	3	5,883	0	-6.9	15.8	0	37	27	3	9,669	1	-34.1	12.3	2	69	11	7
		12,378	1	-55.2		2	68	7	9	14,172	1	-65.2		2	73	14	8	16,612	1	-67.4		2	82	42	6	20,900	2	-56.9		3	99	85	10	24,170	5	-51.5		6	99	85	13
VICTORIA	2	1,012		23.8	1.3					1,547	0	17.9	6.4	0	76	167	4	3,182	0	7.9	7.5	0	46	120	2	5,880	0	-7.4	14.3	0	60	80	3	9,663	0	-34.1	11.8	0	62	52	5
		12,373	0	-55.3		0	61	49	7	14,162	0	-65.6		0	83	54	10	16,593	0	-68.5		1	91	70	8	20,849	0	-58.7		0	99	88	13	24,100	0	-52.5		0	99	89	19
BROWNSVILLE	2	1,013		23.9	1.7					1,537	0	17.4	6.2	2	90	156	7	3,171	0	8.1	7.7	1	70	112	4	5,871	1	-7.7	12.5	0	73	85	3	9,651	1	-34.4	10.1	1	48	355	3
		12,355	1	-56.1		0	25	6	3	14,133	1	-66.9		2	59	41	6	16,548	2	-69.8		2	89	65	8	20,782	2	-59.8		2	99	83	16	24,027	2	-52.6		2	100	87	21
UNITED STATES-SOUTHEAST																																									
WALLOPS ISLAND	2	1,016		20.6	1.6					1,549	0	15.1	6.2	1	75	249	7	3,169	0	6.2	7.1	1	86	251	11	5,855	0	-8.7	11.0	1	85	248	12	9,625	0	-34.7	11.3	1	73	248	13
		12,329	0	-55.5		1	67	264	14	14,123	1	-64.4		3	58	259	9	16,604	1	-62.6		3	32	262	2	20,946	1	-55.7		2	98	87	9	24,246	3	-49.5		5	98	91	12
MONETT	2	967		18.9	2.3					1,550	0	17.3	7.4	0	63	254	4	3,179	0	7.5	11.2	2	31	291	2	5,877	0	-7.5	15.6	0	46	324	4	9,653	0	-34.7	12.3	0	67	347	10
		12,363	0	-55.0		0	61	351	11	14,159	0	-64.4		0	65	354	9	16,619	0	-65.6		0	72	21	6	20,920	1	-56.4		2	98	85	9	24,201	2	-51.3		2	99	85	12
NORTH LITTLE ROCK	1	995		30.3	11.4					1,548	0	17.7	4.9	1	14	358	1	3,181	0	8.1	12.7	0	46	346	3	5,885	0	-7.0	15.9	0	65	338	5	9,665	1	-34.5	13.1	1	48	341	6
		12,375	1	-54.3		1	44	343	6	14,175	1	-64.3		1	46	339	5	16,627	1	-66.4		1	78	25	5	20,919	2	-57.4		2	99	86	9	24,187	3	-51.1		3	99	88	14
LONGVIEW	2	1,002		22.3	1.9					1,552	4	17.6	6.4	6	45	229	2	3,183	4	7.7	10.6	4	29	57	1	5,879	4	-7.8	13.4	5	49	71	3	9,662	4	-34.5	12.6	5	63	26	6
		12,369	4	-55.4		5	55	32	6	14,161	4	-64.7		4	81	40	8	16,603	4	-67.3		4	93	68	7	20,880	5	-57.7		5	99	88	12	24,153	6	-51.6		6	99	86	14
NASHVILLE	2	996		19.8	1.2					1,545	4	15.4	5.2	6	77	270	5	3,168	4	6.6	11.9	5	71	272	6	5,856	4	-8.6	14.2	5	57	276	5	9,618	5	-35.5	13.0	6	45	291	7
		12,321	5	-55.0		7	42	308	8	14,119	5	-64.1		7	50	333	8	16,580	5	-65.5		7	35	32	2	20,880	5	-56.6		7	98	85	10	24,162	7	-51.1		11	98	89	12
WAYCROSS	2	1,012		21.1	0.7					1,559	1	16.2	3.8	1	70	219	4	3,185	1	6.7	6.5	0	60	205	4	5,874	1	-8.4	10.9	0	46	210	3	9,648	1	-34.6	11.1	1	10	193	1
		12,351	1	-56.1		1	8	31	1	14,133	1	-65.8		0	39	39	5	16,576	1	-66.7		0	68	74	4	20,851	1	-58.2		0	99	86	13	24,121	3	-51.8		2	99	90	15
CAPE HATTERAS	2	1,018		23.9	1.6					1,566	0	15.7	4.4	0	84	242	7	3,190	0	6.7	6.1	0	86	235	9	5,879	0	-8.4	12.0	0	82	235	8	9,655	0	-34.4	10.0	0	60	234	7
		12,358	0	-56.1		0	33	277	4	14,141	0	-65.8		0	18	280	2	16,606	0	-64.4		0	9	44	**	20,920	0	-56.0		0	98	82	10	24,211	0	-50.1		0	99	87	13
CHARLESTON	2	1,017		22.9	2.1					1,565	0	16.3	4.7	0	78	242	6	3,191	0	6.6	6.3	0	73	233	6	5,880	0	-8.2	12.8	0	64	226	5	9,654	0	-34.7	11.3	0	24	220	2
		12,355	0	-56.4		0	3	261	**	14,136	0	-66.2		1	18	25	2	16,585	0	-65.8		0	51	76	3	20,875	0	-57.5		0	98	87	12	24,154	0	-50.6		0	99	92	14
BOOTHVILLE	2	1,016		24.7	1.6					1,553	0	16.6	4.3	5	46	205	1	3,182	0	7.3	6.6	3	15	203	1	5,875	0	-8.3	11.0	4	22	83	1	9,649	0	-34.4	10.1	2	41	62	4
		12,352	0	-56.3		2	48	57	6	14,135	0	-65.9		3	70	52	8	16,571	1	-67.5		4	91	71	7	20,827	1	-58.2		4	100	86	14	24,088	3	-52.4		6	99	88	16
APALACHICOLA	2	1,017		23.2	2.1					1,559	0	16.3	4.3	2	70	192	3	3,185	0	6.8	5.5	2	54	200	3	5,875	0	-8.5	9.9	2	42	181	3	9,646	4	-34.4	11.1	4	11	154	1
		12,349	4	-56.2		4	6	152	1	14,129	4	-66.3		4	15	28	2	16,570	4	-66.8		4	75	76	5	20,835	4	-58.1		4	99	87	14	24,101	5	-51.8		6	99	91	15
WEST PALM BEACH	2	1,017		24.7	1.4					1,566	1	16.9	5.8	1	84	140	4	3,196	1	7.3	7.9	1	80	147	4	5,886	1	-8.4	8.2	1	64	150	3	9,657	2	-34.7	9.0	3	31	336	2
		12,357	3	-56.8		3	46	318	5	14,132	3	-66.8		3	58	347	5	16,566	3	-67.7		3	85	85	5	20,813	3	-59.4		3	99	90	17	24,062	5	-52.2		5	99	95	19
KEY WEST	2	1,017		27.0	4.5					1,561	0	16.8	5.8	0	88	129	4	3,192	0	7.5	10.0	0	85	134	4	5,884	0	-8.4	8.4	0	55	129	2	9,658	1	-34.4	9.9	2	14	327	1
		12,358	1	-56.8		1	40	299	5	14,129	1	-67.9		1	51	329	5	16,547	1	-69.3		1	91	77	5	20,766	2	-60.0		2	99	89	18	24,007	5	-53.0		6	100	93	21
MEXICO-NORTHERN																																									
MAZATLAN CARRASCO	2	1,009		25.3	1.9					1,504	0	18.8	4.5	3	71	128	3	3,148	0	9.1	2.1	1	69	134	4	5,862	0	-6.3	3.0	0	58	121	3	9,678	2	-31.5	8.8	2	17	118	1
		12,411	4	-54.4		5	29	326	2	14,192	5	-68.2		5	55	4	5	16,576	7	-72.8		10	96	70	10	20,764	16	-61.9		19	99	81	18	23,983	19	-54.9		20	100	81	21
MONTERREY AEROP. INTL	2	963		22.0	1.8					1,529	0	18.1	4.3	0	99	136	7	3,172	0	9.8	9.6	0	81	131	4	5,882	0	-6.9	11.4	0	77	88	4	9,675	5	-33.2	10.6	5	42	6	3
		12,391	8	-55.1		9	52	360	6	14,177	12	-66.6		12	73	29	8	16,589	14	-69.7		14	93	61	9	20,818	15	-60.0		15	99	84	16	24,058	15	-52.5		15	99	84	21
MEXICO-SOUTHERN																																									
MANZANILLO	2	1,010		25.3	2.4					1,508	0	17.7	3.6	0	57	140	3	3,145	0	8.2	3.6	0	73	129	5	5,855	0	-6.4	3.9	0	72	146	4	9,663	1	-32.6	9.5	2	48	113	2
		12,382	1	-55.8		2	22	18	2	14,150	1	-70.7		2	60	2	5	16,516	4	-73.3		4	99	81	11	20,685	8	-61.7		9	99	90	18	23,902	9	-54.1		10	100	91	24
MERIDA AEROP. INTL.	2	1,013		22.7	0.6					1,536	1	17.3	5.5	1	95	119	8	3,171	1	8.2	8.1	2	90	115	5	5,872	1	-7.3	7.4	2	67	78	3	9,667	2	-32.9	11.0	3	52	271	4
		12,388	3	-55.4		3	64	284	8	14,167	3	-68.0		3	67	294	7	16,570	3	-70.9		3	94	73	7	20,777	3	-60.6		3	99	83	19	24,015	4	-53.1		4	100	92	23
MEXICO CITY INT.AP. D.F.	2	782		13.2	3.8													3,157	0	7.8	1.5	0	23	135	1	5,863	0	-6.8	6.2	0	44	99	1	9,665	0	-32.7	10.9	0	55	338	3
		12,384	1	-55.9		2	79	315	7	14,152	2	-70.1		2	70	325	7	16,529	5	-72.8		5	95	77	8	20,704	10	-62.0		10	99	87	19	23,924	10	-53.9		10	100	88	24
ADJACENT ISLANDS																																									
ST GEORGE,BERMUDA	2	1,020		25.2	3.4					1,597	0	15.0	6.4	0	38	234	2	3,218	0	6.7	13.2	0	27	262	2	5,901	0	-8.9	16.0	0	25	164	1	9,665	0	-35.0	12.7	1	36	105	3
		12,370	0	-55.1		0	56	90	7	14,168	1	-62.4		2	74	81	7	16,640	5	-63.7		6	81	99	4	20,958	10	-56.0		13	97	106	14	24,264	19	-49.4					
GUANTANAMO ORIENTE	2	1,012		25.9	5.0					1,552	13	17.5	5.0	13	95	105	7	3,188	13	8.2	13.0	13	91	114	7	5,886	13	-7.8	14.3	13	49	114	2	9,665	14	-34.1	10.8	15	70	326	5
		12,365	15	-56.7		15	66	312	7	14,137	17	-67.6		17	63	299	6	16,548	17	-71.0		17	91	82	5	20,733	19	-61.5		20	97	97	19	23,965	21	-54.1					
GRAND CAYMAN, B.W.I.	2	1,013		26.1	2.6					1,536	5	17.1	4.3	6	98	103	8	3,170	5	8.5	10.9	6	94	108	6	5,872	5	-7.6	10.6	5	73	124	3	9,657	5	-34.1	9.7	5	44	321	2
		12,359	5	-57.0		5	56	293	5	14,123	5	-69.8		5	72	297	6	16,511	5	-71.9		5	93	77	6	20,712	7	-60.5		7	99	88	19	23,954	8	-52.9		8	99	92	23
SAN JUAN/INT., P.R.	2	1,016		24.9	1.8					1,553	0	15.7	3.0	0	94	111	9	3,182	0	8.0	14.5	0	88	120	9	5,878	0	-7.8	14.5	0	63	120	3	9,655	0	-34.5	10.6	0	77	263	6
		12,356	0	-56.6		0	84	276	10	14,131	0	-67.7		0	78	281	8	16,535	0	-72.0		0	90	92	5	20,721	0	-61.3		0	100	106	20	23,944	1	-54.5		1	100	105	23

UPPER AIR DATA

JULY 1984

STATION	TIME OF OBSERVATIONS	SURFACE# 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																																									
ADJACENT ISLANDS																																									
JULIANA AP, ST. MAARTEN	2	1,015		27.2	5.9					1,548	7	15.8	3.7	8	97	107	10	3,181	7	8.4	12.6	8	82	111	8	5,880	9	-7.5	14.8	10	63	111	4	9,659	9	-34.4	9.6	10	79	252	6
		12,367	12	-56.0		14	84	262	11	14,143	14	-67.5		17	85	267	9	16,555	17	-71.8		18	86	104	4	20,747	19	-61.4		20	99	105	18	23,970	22	-55.8					
RAIZET, GUADELOUPE	2	1,015		26.4	3.5					1,546	0	15.9	2.0	0	97	97	10	3,179	0	8.8	10.1	0	91	100	11	5,889	0	-5.8	12.0	0	71	112	4	9,688	0	-30.0	7.7	0	57	235	4
		12,402	0	-55.8		0	76	260	8	14,175	0	-68.7		0	72	261	8	16,556	1	-73.7		1	78	80	4	20,716	3	-62.5		4	99	96	19	23,923	6	-54.7		6	99	93	26
GRANTLEY ADAMS AP.BARBADOS	2	1,010		26.6	4.1					1,541	2	16.1	3.6	2	94	90	10	3,175	2	8.6	14.3	2	92	97	10	5,880	2	-6.4	16.5	2	89	92	7	9,679	2	-33.3	12.2	2	18	117	1
		12,393	2	-55.9		2	10	331	1	14,165	2	-69.1		2	20	311	1	16,540	2	-74.5		2	78	70	5	20,698	3	-62.9		3	100	91	23	23,907	3	-54.5		3	100	90	31
DR.A. PLESMAN AP.CURACAO	3	1,005		26.5	3.4					1,515	1	17.5	6.0	1	95	101	10	3,152	1	8.9	10.6	1	94	101	9	5,863	2	-6.8	11.0	2	95	94	7	9,658	2	-33.2	10.7	2	37	160	2
		12,371	2	-55.8		3	36	282	3	14,144	3	-69.0		3	52	284	5	16,520	3	-74.4		3	82	89	5	20,676	6	-61.9		6	99	86	23	23,882	7	-54.7		7	99	87	31
SOUTH AMERICA																																									
VENEZUELA																																									
LA CANADA(MARACAIBO)		1,009		25.7	3.4					1,518	2	16.9	2.1	2	58	96	5	3,152	2	7.7	6.3	2	83	92	13	5,850	2	-7.8	10.8	2	81	86	12	9,628	2	-34.0	12.1	3	31	89	5
		12,326	4	-57.3		4	12	267	3									16,428	14	-77.1		9	25	74	4																
MARACAY-B.A. SUCRE		962		22.5	2.2					1,497	1	15.8	1.6	1	76	125	6	3,124	1	7.5	6.1	1	95	138	16	5,828	1	-7.2	10.9	1	84	114	14	9,627	1	-32.8	13.1	2	90	119	16
		12,521	4	-55.0	11.1	5	40	72	6	14,137	4	-65.8	1.1	6	40	57	8	16,515	4	-75.3	1.1	6	40	4	6	20,640	9	-63.4						23,827	9	-55.9					
SAN ANTONIO DEL TACHIRA		969		23.3	3.9					1,493		17.1	4.0			140	16	3,120		-6.7	1.6		94	135	15	5,815		-7.6	7.0		65	115	11	9,600		-33.7	11.8		71	110	11
		12,305		-56.5			61	65	9																																
FRENCH GUIANA																																									
CAYENNE/ROCHAMBEAU	2	1,012		22.9	0.5					1,521	0	16.9	4.7	3	86	114	6	3,152	0	8.2	6.3	4	91	93	7	5,859	0	-6.5	8.7	6	96	87	10	9,667	0	-31.7	12.3	6	81	82	8
		12,399	0	-53.8		6	54	57	5	14,188	0	-66.9		6	25	241	2	16,568	0	-76.3		7	78	84	6	20,666	0	-65.8		7	99	85	20	23,837	0	-56.3		7		88	35
COLOMBIA																																									
BOGOTA/EL DORADO	2	753		9.4	1.9													3,151	6	7.1	2.3	9	90	121	4	5,852	6	-7.1	5.3	9	95	107	8	9,650	6	-33.0	12.9	9	89	90	9
		12,367	8	-55.7		11	88	46	8	14,143	8	-68.8		11	52	40	5	16,511	8	-75.5		11	58	44	3	20,646	10	-63.7		12	100	88	24	23,832	13	-56.1		13	100	90	34
GAVIOTAS/VICHADA	2	985		22.5	0.6					1,440	1	16.0	3.5					3,063	1	6.3	2.3					5,746	1	-8.8	6.5					9,501	1	-36.5	12.8				
		12,167	1	-60.3						13,796	2	-72.4						16,284	4	-69.3						20,568	9	-57.0													
PERU																																										
LIMA-CALLAO/INTL AP/	1	1,012		17.3	3.3					1,492	3	18.3	20.6	3	22	298	1	3,134	3	10.5	19.1	3	36	145	2	5,851	3	-6.9	10.0	3	61	38	4	9,636	3	-34.3	14.1	3	74	271	8
		12,341	3	-56.1		4	83	278	13	14,114	6	-68.7		6	91	265	13	16,490	8	-75.9		10	87	277	8	20,613	17	-64.3		19	96	81	8	23,790	20	-56.2		23			
BRAZIL-NORTHERN																																									
MANAUS AERO PONTA PELADA		1,004		25.5	2.9					1,534	6	17.3	4.8	6	88	118	7	3,168	6	7.8	7.3	6	94	102	8	5,879	6	-7.1	14.3	6	80	86	6	9,676	6	-33.6	17.0	6	60	75	6
		12,402	8	-54.2		7	23	3	2	14,189	10	-67.5		10	69	266	9																								
CACHIMBO		962		18.8	4.0					1,516	12	18.8	7.3	13	94	89	10	3,151	12	8.8	14.8	12	78	78	7	5,859	12	-7.0	20.1	12	53	21	3	9,664	12	-34.1	19.6	12	42	262	6
		12,380	13	-54.8		13	66	273	15	14,165	14	-67.6		13	75	264	17																								
BELEM/AERO VAL DE CAS		1,012		25.8	3.5					1,533	4	17.7	7.7	3	95	109	6	3,168	4	8.3	11.2	3	94	89	6	5,878	4	-6.2	19.4	3	91	65	6	9,679	4	-33.2	19.7	3	88	69	8
		12,399	4	-54.2		3	7	235	0	14,190	5	-67.0		3	76	269	9	16,564	4	-76.6		4	41	77	2	20,665	8	-65.4		7	98	80	17	23,837	8	-56.9		8	97	85	23
SAO LUIZ		1,007		26.6	2.6					1,528	2	18.5	5.3	1	95	134	7	3,162	1	9.4	8.4	1	77	104	6	5,870	3	-5.5		1	86	84	7	9,709	4	-31.0		4	82	91	8
		12,440	10	-52.9		8	9	18	1	14,245	10	-64.4		8	79	264		16,622	11	-76.8		8	77	103	6	20,714	15	-64.7		14	99	99	11								
FORTALEZA		1,011		25.0	4.1					1,528	4	16.8	4.9	4	92	136	10	3,169	5	10.6	9.7	4	90	99	6	5,888	5	-4.9	21.8	4	83	90	8	9,702	6	-31.4	24.3	5	73	64	8
		12,425	8	-54.1		5	20	276	2	14,180	13	-67.0		9	76	275	13	16,572	17	-75.9		11	41	136	3																
FERNANDO DE NORONHA		1,007		25.4	2.8					1,529	5	16.2	5.3	3	95	112	7	3,162	4	8.8	12.8	3	85	83	4	5,868	5	-6.6	19.9	4	83	93	6	9,666	6	-33.2	20.6	4	49	85	5
		12,382	7	-54.9		4	23	174	2	14,193	8	-66.9		7	52	266	5	16,566	9	-77.8		8	42	81	3	20,654	12	-65.9		11	90	88	18								
NATAL /AUGUSTO SEVERO/		1,009		24.9	3.0					1,524	10	15.6	6.8	10	96	133	7	3,156	10	8.4	13.9	10	77	104	4	5,867	10	-5.9	20.3	10	72	88	5	9,687	10	-32.2	21.6	10	59	75	5
		12,417	11	-54.1		10	18	327	2	14,207	10	-67.5		10	52	296	6	16,580	12	-75.2		11	18	113	1	20,690	11	-65.2		11	99	96	17	23,863	13	-56.7		13	98	99	25
CAROLINA		992		25.6	5.7					1,538	6	18.7	8.2	2	97	109	9	3,173	7	9.2	9.6	2	85	109	7	5,891	8	-5.4	20.7	4	80	102	5	9,712	11	-31.2		5	35	40	3
		12,429	11	-53.8		8	51	283	6	14,220	12	-66.2		9	84	278	11	16,584	12	-77.0		10	44	260	3																
PETROLINA		974		22.6	5.6					1,540	7	15.0	5.6	5	97	146	10	3,167	7	8.7	21.0	5	85	135	7	5,883	7	-5.7		5	73	128	4	9,678	8	-32.5		5	49	19	4
		12,407	9	-53.8		7	43	291	5	14,185	14	-66.6		11	80	294	11	16,514	17	-75.8		15	41	293	4																
RECIFE /CURADO/		1,015		25.0	2.7					1,541	7	15.9	3.5	7	93	120	9	3,166	7	9.2	12.4	7	90	107	6	5,886	8	-4.7		7	60	78	4	9,746	10	-31.4		8	26	45	2
		12,480	12	-54.2		10	49	249	5	14,267	13	-66.8		11	49	244	6	16,652	13	-74.5		11	20	191	2																
BRAZIL-SOUTHERN																																									
CAMPO GRANDE		951		21.6	10.6					1,529	2	17.4	11.9	1	53	19	4	3,156	1	7.0	13.9	1	70	326	5	5,852	1	-9.2	23.5	3	65	292	5	9,592	2	-36.8	21.4	4	84	273	11
		12,289	2	-55.0		4	92	281	18	14,090	2	-64.7		5	92	276	19	16,507	2	-72.2		10	91	274	12																
BRASILIA/AEROPORTO/		901		18.0	7.6					1,557	2	16.3	8.6	2	90	73	9	3,183	2	6.9	15.8	2	36	48	2	5,886	2	-7.0	24.4	2	54	267	5	9,666	2	-34.8	19.2	3	88	270	22
		12,365	4	-56.5		14	81	260	20	14,148	4	-64.7						16,544	5	-74.4						20,708	14	-61.3						23,916	15	-57.1					
TRINIDADE/ILHA/		1,021		24.6	6.2					1,569	7	11.9	7.2	11	67	115	3	3,178	7	6.5	21.3	11	52	149	3	5,854	7	-9.4	39.9	11	57	209	4	9,598	8	-37.0	29.5	11	74	264	14
		12,277	7	-57.2		12	75	243	18	14,064	7	-66.6		12	85	258	16	16,456	7	-71.8		11	94	274	11																
RIO DE JANEIRO/AERO GALEAO		1,015		20.5	3.9					1,565	6	13.6	8.7	5	40	293	2	3,181	5	5.5	16.6	5	63	280	5	5,865	5	-9.9	23.6	6	81	279	9	9,597	5	-37.5	19.6	11	90	277	20
		12,278	5	-56.7		13	97	284	28	14,059	6	-65.8						16,486	6	-71.5						20,710	10	-60.3						23,932	11	-54.8					
SAO PAULO(AEROPORTO)		929		15.5	4.8					1,556	1	13.8	7.9	1	46	358	4	3,169	1	5.1	17.2	1	82	295	7	5,845	2	-10.9	24.0	2	83	275	9	9,559	1	-38.8	19.5	5	91	281	18
		12,229	2	-57.0		11	95	279	24	14,021	2	-65.7		14	98	275	26	16,432	3	-71.7						20,639	11	-60.2						23,841	15	-60.5					
CURITIBA/AERO AFONSO PENA		917		11.9	2.6					1,549	3	11.8	6.8	3	59	330	5	3,157	3	4.8	16.2	5	79	289	8	5,828	3	-11.5	23.2	7	94	259	13	9,536	3	-39.0	19.4	9	89	272	20
		12,204	3	-57.5		13	95	277	25	13,984	3	-64.4						16,429	4	-69.3						20,703	5	-57.3						23,943	10	-54.6					
PORTO ALEGRE/AERO S.FILHO		1,018		13.3	2.9					1,515	1	10.1	11.6	9	73	282	8	3,108	1	2.4	14.8	9	86	259	12	5,748	1	-14.5	17.1	9	89	258	19	9,418	2	-41.8					
		12,062	3	-57.9						13,856	3	-62.4						16,330	3	-66.2						20,615	9	-59.1						23,823	16	-56.9					

UPPER AIR DATA

JULY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
SOUTH AMERICA																																									
CHILE																																									
PUERTO MONTT /EL TEPUAL	2	1,004		4.1	1.9					1,429	0	0.4	7.6	2	62	289	5	2,962	0	-8.5	8.4	1	79	271	10	5,493	1	-24.3	11.5	2	84	253	19	9,013	1	-49.7		2	81	251	28
		1,628	1	-53.6		3	92	250	29	3,477	1	-54.0		4	95	251	25	6,065	1	-56.3		4	97	250	23	20,448	3	-57.2		7	98	243	17	23,668	4	-58.6		7	95	241	19
PUNTA ARENAS/CARLOS IBANEZ	2	1,006		-1.0	1.6					1,384	0	-4.9	6.3	1	39	266	4	2,888	0	-13.1	8.3	1	58	257	5	5,366	0	-30.6	8.5	1	46	259	5	8,805	0	-54.6		1	44	252	8
		1,362	0	-58.0		1	71	261	12	3,190	1	-56.7		3	94	258	17	5,747	2	-58.7		5	96	254	26	20,074	6	-62.7		10	97	253	37	23,223	14	-65.9		19	96	254	46
ANTARCTICA																																									
SYOWA	1	987		-22.4	8.6					1,122	1	-23.2	9.7	1	67	59	9	2,539	1	-25.6	12.5	1	32	163	4	4,913	1	-39.0	12.0	1	62	215	14	8,240	2	-61.3		2	69	227	24
		10,683	2	-71.2		2	79	238	25	12,375	2	-73.3		2	90	247	30	14,719	2	-77.9		2	92	255	37	21,407	9	-86.0		9	97	262	65								
MCMURDO	1	977		-24.0						1,040	2	-27.3		2	73	194	21	2,419	2	-34.6		2	82	183	23	4,710	2	-46.2		3	82	181	27	7,961	4	-63.8		5	74	206	24
		10,390	10	-69.4		9	77	230	20	12,086	15	-72.6		9	82	243	19	14,427	20	-77.2		9	81	255	22																
AMUNDSEN-SCOTT	1	675		-56.1														2,610								4,870	1	-46.1		1	76	327	24	8,113	1	-67.1		1	61	311	21
		10,516	6	-75.6		7	56	311	16	12,173	16	-77.3																													
EUROPE																																									
GREENLAND																																									
DANMARKSHAVN	3	1,009		3.8	3.0					1,411	0	1.7	6.1	0	26	304	2	2,954	0	-5.9	7.2	0	24	307	2	5,517	0	-21.1	7.5	0	21	270	2	9,090	0	-46.2		0	21	237	4
		11,785	0	-43.0		0	51	224	5	13,725	0	-43.2		0	54	219	4	16,400	0	-43.8		0	60	197	3	21,130	0	-41.4		0	90	144	3	24,599	0	-40.6		0	90	114	4
SCORESBYSUND	3	1,004		5.1	2.7					1,429	0	4.0	10.0	0	15	309	1	2,980	0	-4.6	8.6	0	42	268	3	5,551	0	-20.2	10.9	0	48	258	4	9,136	0	-46.4		0	57	265	8
		11,797	0	-45.7		0	69	254	7	13,716	0	-50.2		0	74	252	5	16,410	0	-46.1		0	66	227	3	21,035	0	-44.0		0	85	136	3	24,466	0	-42.4		1	96	101	5
EGEDESMINDE	3	1,003		7.2	4.9					1,389	0	3.4	9.8	0	11	111	1	2,940	0	-4.6	15.0	0	13	173	1	5,502	0	-21.6	16.1	0	29	212	3	9,065	0	-47.4		1	41	238	5
		11,737	0	-44.1		1	67	230	5	13,668	0	-44.1		1	66	219	4	16,378	0	-45.1		1	56	213	2	21,011	0	-43.8		1	88	109	3	24,449	0	-42.5		1	95	98	6
ANGMAGSSALIK	3	1,005		6.8	1.7					1,425	0	3.0	4.6	0	52	90	3	2,977	0	-4.2	5.7	0	41	126	3	5,559	0	-19.1	7.1	0	41	201	3	9,163	0	-45.4		0	54	229	7
		11,839	0	-45.2		0	76	234	8	13,761	0	-45.5		0	80	231	6	16,456	0	-46.2		0	70	222	3	21,068	0	-44.9		0	91	122	4	24,495	0	-42.9		0	98	107	6
NARSSARSSUAQ	3	1,008		11.6	4.2					1,407	0	4.6	6.1	0	32	118	1	2,966	0	-3.2	5.9	0	32	244	2	5,555	0	-18.2	9.9	0	55	249	6	9,163	0	-45.4		0	66	252	12
		11,825	0	-46.8		0	79	250	11	13,732	0	-47.2		0	79	244	8	16,404	0	-48.5		0	68	233	4	20,969	0	-47.2		0	83	112	3	24,360	1	-45.2		1	98	102	6
ICELAND																																									
KEFLAVIK	2	1,007		10.9	2.0					1,436	0	4.7	3.7	0	49	189	4	3,001	0	-2.4	8.1	0	42	209	4	5,598	0	-17.9	11.4	0	46	233	5	9,226	0	-43.4	6.0	0	58	247	12
		11,906	0	-47.1		1	78	247	11	13,816	0	-46.9		1	79	251	7	16,497	1	-47.3		2	69	229	3	21,102	3	-45.1		3	86	120	3	24,528	4	-42.9		4	98	102	6
UNITED KINGDOM																																									
LERWICK	3	1,005		11.3	1.7					1,470	0	5.7	4.5	0	55	288	5	3,037	0	-2.1	7.2	0	55	289	6	5,638	0	-17.2	9.1	0	61	295	10	9,269	0	-43.7		0	56	301	13
		11,920	0	-50.3		0	62	300	12	13,804	0	-49.3		0	60	294	7	16,458	0	-49.8		0	46	286	3	21,006	0	-47.7		0	70	99	3	24,389	0	-45.6		0	94	87	6
STORNOWAY	3	1,016		13.4	2.2					1,490	0	6.4	5.6	0	57	260	5	3,064	0	-1.2	9.0	0	56	286	7	5,673	0	-16.4	10.5	0	59	282	9	9,320	0	-43.0		0	82	290	12
		11,967	0	-51.8		0	57	287	10	13,840	0	-50.6		0	57	278	7	16,479	0	-50.6		0	52	279	3	21,013	1	-48.3		0	68	88	3	24,386	0	-45.9		2	82	92	2
AUGHTON	0	1,012		16.1	5.2					1,515	0	7.6	6.7	0	45	275	4	3,094	0	0.1	10.2	0	48	286	5	5,711	0	-15.7	10.8	0	48	285	7	9,362	0	-42.3		0	40	294	8
		12,014	0	-52.0		0	50	285	9	13,880	0	-52.0		0	63	277	8	16,497	0	-53.0		0	61	268	4	20,985	0	-50.4		0	69	85	3	24,339	0	-47.2		0	95	85	7
CRAWLEY	3	1,002		16.3	5.0					1,529	0	8.1	6.1	0	46	278	4	3,110	0	0.8	11.3	0	56	272	6	5,731	0	-15.5	11.0	0	56	274	8	9,382	0	-42.7		0	53	271	11
		12,035	0	-52.1		0	67	268	13	13,898	0	-52.7		0	69	268	11	16,503	0	-54.2		0	66	276	6	20,966	0	-51.4		0	76	95	3	24,305	1	-47.9		1	95	90	8
IRELAND																																									
VALENTIA OBSERVATORY	3	1,017		16.3	3.3					1,520	0	8.9	8.8	0	24	225	2	3,105	0	1.0	11.8	0	19	243	2	5,730	0	-15.3	11.8	0	26	252	3	9,383	0	-42.1	9.2	0	28	264	5
		12,044	0	-51.4		0	46	256	6	13,909	0	-52.0		0	63	256	6	16,519	0	-53.5		0	55	252	3	20,999	15	-50.7		16	67	108	3	24,355	21	-46.7		19	71	90	6
DENMARK AND FAROE IS																																									
THORSHAVN	3	1,007		11.2	1.8					1,456	0	5.7	3.9	0	59	276	5	3,027	0	-1.7	6.8	0	63	279	7	5,632	0	-17.0	9.3	0	63	282	9	9,271	0	-43.4	5.7	0	62	283	14
		11,930	0	-49.4		0	68	287	12	13,823	0	-48.2		0	63	280	7	16,492	0	-48.7		0	46	272	2	21,063	2	-46.6		2	76	92	3	24,467	6	-44.2		9	94	82	6
KOBENHAVN/JAEGERSBORG	3	1,008		16.1	5.0					1,470	0	7.6	7.7	0	59	295	4	3,043	0	-1.6	8.4	0	63	298	6	5,643	0	-17.7	11.5	0	63	302	9	9,268	0	-44.1	9.3	0	62	312	13
		11,937	0	-48.0		0	68	302	10	13,834	0	-48.3		0	71	299	7	16,493	0	-49.9		0	46	277	2	21,029	0	-48.5		0	92	91	4	24,401	0	-46.1		0	99	94	9
NORWAY																																									
BJORNOYA	3	1,008		3.9	0.9					1,408	0	2.9	5.1	0	26	110	2	2,958	0	-4.7	4.9	0	31	133	2	5,531	0	-20.1	9.1	0	39	140	4	9,125	0	-44.9		0	47	160	7
		11,871	0	-43.2		0	56	185	5	13,763	1	-43.4		0	58	190	4	16,431	1	-44.7		0	70	180	4	21,139	2	-42.5		0	88	145	4	24,595	4	-41.2		1	100	110	5
JAN MAYEN	3	1,011		4.6	1.5					1,419	0	2.5	5.3	0	28	305	2	2,970	0	-4.5	7.1	0	39	300	3	5,543	0	-20.2	20.0	0	45	288	4	9,130	0	-45.7	10.1	0	45	283	6
		11,821	0	-43.8	30.1	0	66	270	5	13,751	0	-44.4	30.8	0	65	260	4	16,460	0	-45.3	30.6	1	46	211	2	21,099	1	-43.3	31.0	1	83	115	3	24,546	1	-41.7	31.9	3	83	91	5
BODO	3	1,010		10.4	1.4					1,422	0	3.0	2.7	1	58	263	4	2,978	0	-4.2	3.7	1	50	275	4	5,557	0	-19.6	6.4	1	45	270	5	9,153	0	-45.6		1	30	291	5
		11,844	0	-43.7		1	35	265	3	13,778	0	-43.7		1	28	245	2	16,489	0	-45.8		1	33	157	2	21,118	0	-44.1		1	81	104	5	24,555	0	-42.1		1	72	101	7
ORLAND	3	1,012		12.3	2.5					1,448	0	3.6	2.1	0	71	276	8	3,006	0	-3.9	4.4	0	61	285	5	5,593	0	-18.7	6.2	0	54	284	6	9,209	0	-44.7		0	31	279	6
		11,889	0	-45.1		0	41	272	5	13,812	0	-45.1		0	41	259	3	16,510	0	-46.7		0	34	215	2	21,116	0	-45.2		1	78	98	4	24,537	1	-43.6		1	87	91	7
STAVANGER/SOLA	3	1,010		13.4	3.1					1,469	5	6.7	5.9	1	50	315	4	3,038	5	-1.5	6.9	1	50	308	6	5,644	5	-17.1	9.3	1	68	306	10	9,274	5	-43.0		1	58	316	13
		11,944	5	47.3		2	34	305	6	13,841	6	-47.0		2	65	302	7	16,511	6	-48.8		3	50	298	3	21,079	8	-47.3		4	87	90	4	24,482	15	-44.8		9	93	86	8
OSLO/GARDERMOEN	3	988		14.4	4.9					1,454	0	7.2	6.0	0	28	326	2	3,023	0	-2.4	8.1	0	55	302	5	5,620	0	-18.0	11.4	0	58	295	7	9,239	0	-44.2		0	64	302	13
		11,921	0	-46.1		0	63	298	9	13,836	0	-45.8		0	61	297	6	16,524	0	-47.7		0	33	301	2	21,110	0	-46.2		0	59	91	3	24,516	0	-44.2		0	89	84	6
FINLAND																																									
SODANKYLA	3	986		12.6	3.7					1,409	0	5.1	1.3	0	11	344	1	2,971	0	-3.2	1.8	0	16	267	1	5,560	0	-18.6	4.9	0	20	233	2	9,160	0	-45.8	5.3	0	19	210	3
		11,854	0	-43.3		0	34	200	3	13,788	0	-44.0		0	39	185	3	16,496	0	-46.1		0	51	162	3	21,114	0	-44.6		0	94	115	5	24,540	5	-42.9		4	98	104	8
JYVASKYLA/LUONETJARVI	3	990		15.0	4.7					1,420	0	6.5	3.2	0	34	266	2	2,986	0	-2.8	3.6	0	41	264	2	5,575	0	-18.8	6.8	0	41	258	3	9,169	0	-46.3	6.7	0	22	267	3
		11,860	0	-44.6		0	41	252	3	13,786	0	-44.8		0	44	228	2	16,481	0	-46.8		0	55	186	2																
JOKIOINEN	3	995		14.7	3.2					1,424	0	6.8	4.0	0	40	284	2	2,991	0	-2.4	5.0	0	50	283	3	5,583	0	-18.6	8.1	0	44	287	4	9,181	0	-45.8	8.0	0	35	294	4
		11,878	0	-45.4		0	47	272	4	13,802	0	-45.6		0	45	248	2	16,499	0	-47.7		0	46	188	2	21,079	1	-46.9		0	90	110	4	24,483	9	-44.7					

UPPER AIR DATA

JULY 1984

STATION	TIME OF OBSERVATIONS	SURFACE 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
EUROPE		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
FRANCE																																									
BREST/GUIPAVAS	1	1,008		14.3	1.9					1,529	0	9.9	9.9	0	34	247	3	3,121	0	2.2	13.4	0	50	253	5	5,760	0	-13.9	12.6	0	58	249	8	9,436	0	-40.5	7.9	0	62	248	13
		12,110	1	-52.3		0	70	252	15	13,964	1	-53.7		1	75	255	12	16,552	3	-55.8		2	75	262	8	20,980	4	-53.7		2	73	92	3	24,285	7	-49.8		5	97	81	8
TRAPPES	1	1,000		16.1	4.7					1,535	0	10.0	6.6	0	43	277	3	3,125	0	1.7	10.6	0	59	273	6	5,763	1	-14.2	10.6	0	70	273	11	9,435	1	-41.1		0	74	273	16
		12,099	1	-52.7		0	80	270	19	13,954	1	-53.5		1	79	268	15	16,547	1	-55.7		2	74	273	9	20,976	1	-53.0		3	70	78	3	24,298	2	-48.8		3	96	88	7
NANCY/ESSEY	2	995		21.3	9.6					1,537	0	9.9	7.3	1	61	265	4	3,129	0	1.9	10.7	1	61	263	7	5,762	1	-14.5	9.9	1	68	276	10	9,434	1	-40.8	7.3	1	63	282	14
		12,110	2	-51.3		1	76	277	18	13,974	2	-52.5		1	78	272	16	16,579	2	-54.7		1	81	275	9	21,040	2	-49.5		2	73	95	3	24,388	5	-47.4		4	95	96	7
LYON/SATOLAS	2	992		23.9	13.5					1,552	0	12.3	10.3	4	31	228	2	3,157	0	4.0	13.1	4	57	263	6	5,808	0	-12.5	14.1	4	75	270	13	9,502	0	-39.4	11.0	5	82	265	20
		12,187	1	-51.8		5	83	263	23	14,036	1	-54.7		6	88	270	21	16,609	1	-57.7		7	80	263	11	21,020	2	-52.8		8	81	97	3	24,348	5	-48.2		9	96	95	8
BORDEAUX/MERIGNAC	1	1,014		17.7	4.6					1,550	0	13.4	11.5	2	34	229	2	3,161	0	4.9	14.2	2	70	258	7	5,826	1	-11.6	13.8	2	80	262	11	9,529	1	-39.1	10.0	2	81	256	17
		12,206	1	-53.4		3	90	255	22	14,042	1	-56.4		3	89	257	20	16,601	2	-58.7		4	89	260	13	20,978	3	-54.6		5	80	79	3	24,280	3	-49.8		6	97	87	9
NIMES/COURBESSAC	1	1,011		20.4	8.0					1,549	1	13.7	9.9	5	49	358	4	3,165	1	6.1	13.3	3	71	286	8	5,834	1	-11.7	13.1	3	83	279	14	9,536	1	-39.4	9.5	3	83	275	19
		12,211	1	-53.4		3	89	274	25	14,046	1	-57.1		3	90	269	22	16,586	1	-60.6		4	89	268	13	20,940	4	-55.6		6	82	80	4	24,227	4	-50.9		6	98	94	10
AJACCIO/CAMPO DEL ORO	2	1,017		26.1	8.8					1,550	0	16.5	13.7	0	55	283	2	3,173	0	6.8	14.5	0	75	289	7	5,849	0	-10.9	12.7	1	89	289	14	9,569	0	-38.0	10.5	2	87	284	17
		12,267	0	-51.7		3	90	275	25	14,107	0	-57.5		3	92	273	25	16,634	0	-61.7		4	84	269	12	20,980	0	-54.5		5	92	106	5	24,290	5	-49.5					
NETHERLANDS																																									
DE BILT	1	1,018		13.8	2.4					1,512	0	8.0	6.7	0	63	296	6	3,094	0	0.2	11.1	0	64	290	8	5,711	0	-16.3	13.1	0	62	289	10	9,353	0	-43.4		0	59	294	14
		12,005	1	-51.4		0	65	288	14	13,876	1	-51.6		0	71	285	12	16,494	1	-53.6		0	66	284	6	20,973	3	-51.3		0	42	58	3	24,318	4	-47.8		1	97	88	8
SWITZERLAND																																									
PAYERNE/ STN. AEROLOGICAL	3	963		18.6	7.5					1,548	0	12.6	7.9	0	56	247	3	3,147	0	2.7	9.6	0	66	266	7	5,787	0	-13.8	11.4	0	76	282	13	9,462	0	-41.4	7.7	1	79	282	19
		12,127	0	-52.6	8.2	1	84	278	23	13,973	0	-55.2		1	86	277	17	16,543	0	-57.1		2	76	270	8	20,940	1	-54.1		3	67	90	4	24,246	1	-49.8		3	95	98	9
FEDERAL REP OF GERMANY																																									
SCHLESWIG	3	1,010		14.7	3.5					1,484	0	7.5	6.2	0	67	286	6	3,061	0	-0.9	8.2	0	67	291	6	5,671	0	-17.0	8.4	0	69	298	10	9,307	0	-43.5	5.5	0	62	303	13
		11,973	0	-49.7	6.9	0	66	297	13	13,857	0	-49.8		0	69	293	9	16,500	0	-51.4		0	62	286	4	21,011	0	-50.1		0	65	93	3	24,360	0	-48.1		0	94	88	7
HANNOVER	3	1,011		16.1	4.2					1,502	0	7.3	4.5	0	72	281	6	3,081	0	-0.3	10.2	0	76	289	8	5,698	0	-16.3	9.3	0	71	297	11	9,343	0	-42.7	6.7	0	66	300	15
		12,013	0	-50.4	7.7	0	73	297	16	13,891	0	-50.7		0	75	290	11	16,524	0	-52.2		0	73	289	6	21,015	0	-50.7		0	52	95	2	24,358	0	-48.4		0	95	91	6
BERLIN/TEMPELHOF	2	1,011		17.8	7.0					1,497	0	6.9	6.2	0	74	284	6	3,072	0	-0.5	11.0	0	78	292	8	5,682	0	-17.0	10.8	0	71	299	10	9,315	0	-43.8	7.9	0	66	302	13
		11,983	0	-48.8	12.1	0	73	298	13	13,872	0	-49.7		0	74	293	10	16,512	3	-51.7		3	67	282	4	21,014	5	-50.1		5	89	103	4	24,372	5	-46.8		5	98	94	7
ESSEN	3	1,001		16.1	5.0					1,523	0	8.0	5.2	0	69	284	6	3,105	0	0.6	9.5	0	68	285	8	5,727	0	-15.5	8.0	0	65	291	10	9,379	0	-42.3	6.7	0	67	290	16
		12,043	0	-50.7	7.9	0	70	286	15	13,915	0	-51.5		0	76	284	12	16,533	0	-53.4		0	71	280	7	21,007	0	-51.3		0	54	86	2	24,342	0	-48.5		0	95	89	7
STUTTGART/CANNSTATT	3	982		17.5	6.6					1,534	0	9.7	6.0	0	76	270	5	3,120	0	0.8	8.2	0	80	276	8	5,744	0	-15.3	9.9	0	76	286	12	9,406	0	-41.8	7.2	0	72	292	18
		12,074	0	-51.6	7.9	0	79	287	19	13,938	0	-52.8		0	82	281	15	16,539	0	-55.0		0	81	278	8	20,978	0	-52.9		0	67	88	2	24,297	0	-49.5		0	97	91	8
MUNCHEN/OBERSCHLEISSHEIM	3	963		16.3	5.0					1,535	0	10.1	5.9	1	79	279	6	3,123	0	0.7	7.9	1	85	277	10	5,748	0	-15.6	8.9	1	81	289	14	9,407	0	-42.1	7.3	1	80	293	20
		12,078	0	-51.0	8.3	1	84	288	22	13,946	0	-52.4		1	86	283	18	16,549	0	-55.0		1	83	278	10	20,992	0	-52.8		1	75	92	4	24,312	0	-49.5		1	97	94	9
AUSTRIA																																									
WIEN/HOHE-WARTE	3	995		18.5	7.1					1,534	0	9.9	5.9	0	77	305	13	3,119	0	0.3	9.2	0	84	298	19	5,734	0	-16.4	12.9	0	77	295	24	9,373	0	-42.9		0	73	298	35
		12,043	0	-49.5		0	81	293	37	13,918	0	-51.4		0	85	285	31	16,529	0	-54.3		0	87	274	17	20,977	2	-52.0		2	63	91	6	24,309	7	-48.4		7	97	98	16
CZECHOSLOVAKIA																																									
LIBUS	3	982		16.5	5.9					1,518	0	8.9	4.4	0	71	287	6	3,101	0	0.1	7.8	0	83	290	9	5,718	0	-16.2	8.2	0	78	293	12	9,362	0	-43.0	6.4	0	72	300	17
		12,028	0	-50.1	6.4	0	76	294	17	13,905	0	-51.3	7.1	0	80	286	13	16,524	0	-53.7		0	75	278	7	20,984	4	-51.8		5	61	85	3	24,325	14	-49.0		9	93	87	7
POPRAD/GANOVCE	3	936		14.0	5.0					1,509	0	9.2	4.7	0	60	278	3	3,088	0	-0.8	4.8	0	74	291	6	5,698	0	-16.2	9.3	0	69	290	10	9,336	0	-43.0	6.7	0	67	291	15
		12,012	0	-48.4	6.9	0	75	288	16	13,898	0	-50.5	7.6	0	77	279	13	16,524	0	-53.0		0	82	268	8	20,978	0	-52.6		0	69	115	2	24,293	5	-50.3		9	96	97	7
HUNGARY																																									
BUDAPEST/LORINC	/	1,000		19.3	8.5					1,518	1	9.9	6.2	1	78	311	6	3,105	1	0.3	7.5	1	80	303	8	5,724	1	-16.2	8.5	1	76	296	12	9,368	1	-42.5	6.2	1	73	294	17
		12,049	1	-48.5		1	80	289	18	13,933	1	-50.9		1	85	279	15	16,550	3	-54.4		3	85	266	8	20,991	16	-52.9		15	82	103	4	24,311	32	-49.1		32	98	95	9
SZEGED	3	1,007		18.9	7.4					1,527	0	10.6	6.2	2	76	310	5	3,117	0	0.9	8.2	2	78	302	8	5,744	0	-15.4	9.9	0	75	295	11	9,399	0	-42.1	7.6	0	74	292	17
		12,089	1	-48.3		1	84	282	20	13,970	1	-51.6		1	88	273	18	16,573	3	-55.2		4	89	262	9	20,999	7	-53.3		7	87	112	4	24,321	24	-49.5		24	99	99	9
GIBRALTAR																																									
NORTH FRONT	3	1,017		23.7	5.9					1,569	0	22.7	22.3	0	51	199	3	3,226	0	11.7	22.2	0	89	238	10	5,922	0	-10.6	11.2	0	94	239	13	9,656	0	-36.1	12.8	0	94	244	15
		12,365	0	-53.2		0	95	242	20	14,180	0	-61.7		0	95	237	18	16,651	0	-66.9		0	88	218	8	20,904	0	-58.5		0	96	95	9	24,151	1	-53.6		0	99	92	14
PORTUGAL																																									
LISBOA/GAGO CONTINHO	2	1,007		23.4	9.5					1,552	2	17.7	24.7	3	46	245	2	3,180	2	9.0	27.1	3	85	240	9	5,860	2	-10.2	21.9	4	89	245	12	9,580	2	-37.9	21.4	3	84	235	15
		12,260	2	-54.4	21.9	6	89	240	21	14,080	2	-60.2	23.6	7	95	240	18	16,580	3	-62.9		6	78	210	6	20,900	8	-55.9		8	97	105	9								
MADEIRA																																									
FUNCHAL	2	1,013		22.1	6.0					1,560	0	19.0	25.8	0	19	360	1	3,203	1	10.0	27.6	1	93	236	10	5,896	1	-9.8	33.6	1	91	237	9	9,641	2	-36.0	19.4	2	89	241	11
		12,357	4	-52.5		4	86	235	18	14,175	5	-61.4		5	96	231	17	16,657	10	-66.0		9	77	210	7																
SPAIN																																									
LA CORUNA	3	1,011		17.7	3.7					1,541	0	2.5	10.4	0	46	222	3	3,147	0	4.5	15.6	0	73	237	7	5,801	0	-12.7	15.1	0	81	239	12	9,491	0	-40.0	10.7	0	82	237	18
		12,171	0	-52.3		0	87	241	21	14,018	0	-55.5		0	90	239	15	16,581	0	-58.4		0	83	232	6	20,967	1	-54.1		1	89	92	6	24,272	7	-48.7		7	89	87	10
MADRID/BARAJAS	3	946		25.8	15.9					1,561	0	19.8	16.5	0	64	217	4	3,196	0	8.1	18.3	0	88	230	10	5,876	0	-10.9	16.7	0	91	243	15	9,596	0	-37.8	15.2	0	93	245	19
		12,289	0	-53.1		0	94	248	24	14,116	0	-58.8		0	93	247	20	16,632	0	-62.8		0	86	238	8	20,962	0	-55.4		0	93	95	7	24,265	1	-49.9		1	99	96	13
PALMA/SON BONET	3	1,014		26.2	5.5					1,570	0	20.3	20.1	0	52	250	3	3,214	0	9.8	15.1	0	77	269	8	5,899	0	-10.7	22.7	0	87	268	12	9,615	0	-37.7	25.8	0	89	270	15
		12,309	0	-53.1		0	92	263	23	14,129	0	-60.6		0	92	260	20	16,613	0	-65.7		0	83	254	9	20,896	0	-56.8		0	94	94	7	24,093	0	-51.4		0	99	96	12
TURKEY																																									
SAMSUN	2	1,012		23.9	5.4					1,500	0	13.3	6.4	0	50	320	4	3,110	0	5.2	10.2	0	67	240	4	5,779	0	-10.4	17.3	0	75	210	9	9,543	0	-31.8		1	81	270	21
		12,319	1	-45.9		2	86	200	24	14,199	2	-56.4		3	84	210	21	16,706	6	-64.5		6	82	200	18	20,999	15	-55.3		15	81	190	13	24,303	18	-48.0		20	82	210	9
ISTANBUL/GOZTEPE	2	1,010		24.9	11.2					1,518	0	13.5	9.0	0	71	10	5	3,129	0	5.2	13.6	0	75	350	6	5,785	1	-11.5	16.2	1	32	275	10	9,506	1	-34.6		1	75	245	18
		12,265	5	-45.9		5	96	240	26	14,233	8	-54.5		8	96	230	24	16,687	11	-61.0		11	89	230	17	21,016	15	-55.8		15	54	210	6	24,312	17	-51.3		17	50	105	5

UPPER AIR DATA

JULY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
EUROPE																																									
TURKEY																																									
IZMIR	2	1,007		31.1	10.9					1,509	3	16.4	8.2	3	71	20	5	3,132	3	7.1	10.8	3	50	360	6	5,809	3	-10.4	10.4	3	46	310	6	9,552	3	-33.3		3	50	285	14
		12,316	4	-47.9		4	93	265	27	14,157	4	-58.4		4	92	270	23	16,657	4	-67.0		4	84	265	16	20,898	6	-58.2		9	54	150	7	24,168	6	-51.0		9	86	110	12
ANKARA/CENTRAL	2	910		27.2	17.5					1,509	0	20.2	12.7	0	50	150	3	3,136	0	5.0	6.6	0	70	190	4	5,804	0	-10.5	17.4	0	80	200	11	9,561	0	-31.1		0	85	230	25
		12,351	0	-45.3		0	90	250	33	14,224	0	-56.1		0	90	230	30	16,751	1	-64.5		1	80	220	20	21,050	3	-55.5		5	70	200	12	24,354	11	-47.9		13	70	130	14
ISPARTA	2	899		27.3	16.3					1,489	0	22.6	14.5	0	80	35	4	3,127	0	8.0	10.4	0	67	360	4	5,828	0	-7.8	13.9	0	73	280	8	9,625	0	-28.6		0	78	255	18
		12,435	0	-45.0		0	88	245	22	14,305	0	-56.6		0	92	244	22	16,802	0	-66.5		0	89	220	17	21,056	1	-57.4		1	83	138	10	24,344	1	-49.5		1	79	113	11
USSR																																									
MURMANSK		1,000		11.0	3.6					1,405	10	3.8	3.0	9	12	282	1	2,966	10	-3.3	4.4	9	25	246	2	5,553	10	-18.7	7.7	9	37	240	4	9,160	10	-45.1	5.6	9	29	230	6
		11,851	10	-43.8	8.5	9	50	231	5	13,783	10	-44.0	10.7	9	50	237	4	16,495	10	-45.7	12.1	9	58	221	3	21,116	10	-44.6	12.9	9	80	124	3	24,545	10	-43.3	14.2	9	1	107	6
ARKHANGELSK		1,006		16.5	4.5					1,452	0	7.6	3.8	0	43	251	3	2,996	0	-1.9	3.6	0	55	242	5	5,603	0	-17.0	6.6	0	43	231	5	9,239	0	-43.7	4.8	0	37	219	7
		11,923	0	-44.8	6.1	0	49	222	8	13,845	0	-45.2	7.4	0	55	217	7	16,543	0	-46.9	8.4	0	62	208	6	21,143	0	-46.1	9.9	0	58	149	4	24,546	0	-44.7	11.1	0	91	108	7
LENINGRAD /TOWN/VILLE/		1,000		15.9	3.7					1,430	0	7.0	3.4	0	54	240	4	3,002	0	-2.3	3.3	0	60	236	5	5,594	0	-18.7	6.9	0	60	229	6	9,192	0	-45.9	4.6	0	54	224	8
		11,882	0	-45.9	7.9	0	66	224	7	13,791	0	-46.2	9.1	0	62	217	5	16,476	0	-48.4	9.9	0	72	201	4	21,027	0	-48.3	10.8	0	86	132	4	24,391	1	-46.9	11.2	3	94	103	6
KAUNAS		1,002		15.5	3.9					1,465	0	6.3	3.2	0	73	259	6	3,035	0	-1.8	5.1	0	67	261	6	5,638	0	-17.4	7.6	0	55	268	7	9,263	0	-43.8	5.2	0	58	275	10
		11,949	0	-46.2	6.1	3	40	276	7	13,860	0	-46.3	7.3	3	53	265	7	16,544	0	-48.0	8.1	3	46	257	5	21,102	0	-48.7	9.1	3	21	163	2	24,462	1	-47.6	9.9	4	39	105	4
MINSK		986		15.4	4.5					1,470	0	7.4	3.9	0	48	288	4	3,043	0	-2.2	4.7	0	55	275	5	5,641	0	-18.4	8.5	0	43	267	6	9,253	0	-45.3	5.9	0	36	261	8
		11,933	0	-45.7	9.3	0	54	251	9	13,841	0	-47.3	10.6	0	72	245	8	16,507	0	-50.0	11.3	0	72	229	5	21,021	0	-49.8	12.1	1	91	118	4	24,373	2	-47.8	12.8	2		110	8
VOLOGDA		993		16.7	4.7					1,443	0	8.7	3.9	0	35	214	3	3,020	0	-0.9	5.2	0	42	203	4	5,629	0	-16.9	8.0	0	61	196	8	9,263	0	-43.2	6.0	0	68	194	14
		11,950	0	-45.9	6.9	0	76	197	13	13,871	0	-45.9	8.3	0	76	195	10	16,553	0	-48.1	9.2	0	74	181	6	21,119	0	-47.8	10.4	0	82	93	5	24,504	0	-46.0	11.4	0	98	76	7
MOSKVA		988		17.1	4.9					1,457	1	9.0	3.9	2	42	263	3	3,039	1	-0.7	4.8	2	55	238	5	5,651	1	-16.6	8.3	1	65	235	9	9,284	1	-43.8	6.2	1	60	224	12
		11,976	1	-46.2	8.3	1	83	226	15	13,884	1	-48.1	9.8	1	81	224	12	16,538	2	-51.0	10.5	2	92	221	9	21,041	2	-49.7	11.4	2	81	135	4	24,398	4	-47.2	12.2	6	1	109	7
KAZAN		996		21.6	5.9					1,475	3	12.9	5.4	4	55	253	4	3,076	3	2.3	6.0	3	78	244	8	5,717	3	-13.4	9.1	5	81	241	11	9,405	3	-39.5	7.6	9	71	238	13
		12,112	4	-46.3	8.2	9	89	248	19	14,015	4	-48.6	9.1	9	94	249	15	16,668	4	-52.1	9.5	9	88	244	13	21,157	8	-51.0	10.4	9	20	210	2	24,496	9	-48.6	11.5	9	11	171	1
SARATOV		992		23.1	9.7					1,497	0	14.5	8.3	0	48	223	4	3,104	0	3.3	6.1	0	74	222	9	5,749	0	-12.8	9.9	0	79	223	13	9,456	0	-37.2	8.4	2	85	236	20
		12,200	0	-44.9	9.8	6	92	244	27	14,100	0	-50.2	10.0	9	95	243	24	16,716	0	-55.4	10.0	9	98	240	16	21,161	0	-51.8	10.8	8	66	132	5	24,501	0	-47.6	12.2	5	88	91	9
LVOV		978		14.8	4.5					1,494	9	6.5	3.2	9	69	299	5	3,059	9	-3.0	3.5	9	69	289	6	5,654	9	-17.9	7.1	9	67	290	9	9,275	9	-43.9	6.0	9	57	292	10
		11,963	9	-45.5	6.9	9	72	270	10	13,878	9	-46.9	8.2	9	75	254	9	16,549	9	-49.6	9.1	9	81	242	7	21,074	9	-49.9	10.2	9	34	141	3	24,435	12	-47.5	11.7	9	62	116	7
KIEV		993		17.1	4.9					1,475	4	8.3	3.5	4	58	297	4	3,052	4	-1.4	4.5	4	63	271	6	5,654	4	-17.1	8.1	4	62	255	8	9,296	4	-42.8		4	59	252	12
		12,003	4	-44.1		4	89	235	17	13,923	4	-47.4		4	89	233	16	16,580	4	-51.0		4	87	227	11	21,066	4	-51.0		4	94	135	5	24,395	4	-49.0		4	1	102	8
HAR KOV		994		19.8	7.0					1,485	0	11.2	5.2	0	39	259	3	3,074	0	0.8	5.5	0	59	242	6	5,701	0	-15.4	9.6	0	70	235	9	9,364	0	-40.3	12.5	0	76	228	17
		12,085	0	-45.1		0	91	233	23	13,996	0	-49.4		0	90	233	21	16,629	0	-54.2		0	95	228	14	21,069	1	-52.0		1	79	141	4	24,394	7	-49.1		8	2	104	8
ODESSA		1,008		20.6	7.9					1,495	0	11.3	6.3	0	51	317	4	3,090	0	1.3	6.9	0	52	290	5	5,722	0	-13.9	9.9	0	68	272	9	9,410	0	-39.2	9.5	0	69	258	14
		12,149	0	-44.5	10.9	0	87	245	22	14,055	0	-48.4	11.9	1	85	242	22	16,684	1	-54.3	11.4	1	93	238	18	21,090	1	-54.1	12.1	1	75	166	5	24,392	3	-50.3	13.1	3	90	106	8
ROSTOV-NA-DONU		1,002		22.4	7.8					1,487	0	12.8	7.0	0	24	252	2	3,090	0	2.7	6.4	0	67	225	7	5,730	0	-14.0	11.2	0	79	226	13	9,416	0	-37.7	10.7	0	90	228	29
		12,146	0	-48.5	11.3	0	96	231	34	14,009	0	-55.0	10.6	0	92	230	27	16,573	0	-58.6	10.5	0	95	220	13	20,969	0	-53.4	11.1	0	88	113	6	24,290	1	-48.5	12.2	2	96	98	10
TBILISI		955		25.0	9.4					1,499	2	16.8	9.0	2	28	128	2	3,128	2	8.6	7.5	2	72	151	6	5,826	2	-9.2	7.0	2	85	230	11	9,627	2	-29.1	15.6	2	89	239	22
		12,422	3	-46.5	14.7	3	90	242	24	14,267	5	-58.5	13.3	5	92	242	20	16,742	5	-67.2	12.4	6	93	232	16	20,997	6	-60.0	13.9	6	69	142	7	24,276	7	-51.2	14.6	8	75	114	8
AFRICA																																									
MOROCCO																																									
CASABLANCA	2	1,009		24.0	4.0					1,558	0	25.4	27.8	0	38	107	2	3,222	0	12.3	21.6	0	72	218	10	5,924	0	-10.3	9.1	2	90	231	10	9,677	1	-34.1		3	93	240	11
		12,405	3	-51.7		8	95	248	19	14,219	4	-62.3						16,673	5	-68.2																					
SPANISH CANARY IS.																																									
SANTA CRUZ DE TENERIFE	3	1,011		25.2	10.9					1,554	0	24.4	25.8	0	91	68	5	3,116	0	12.0	19.4	0	46	148	3	5,912	0	-10.2	8.3	0	83	182	4	9,667	8	-34.4		0	85	229	9
		12,386	0	-53.7		0	92	228	12	14,187	0	-64.8		0	89	216	10	16,615	0	-69.8		0	85	144	6	20,837	1	-59.1		1	97	92	15	23,301	4	-52.4		4	99	90	19
ALGERIA																																									
ALGER/DAR EL BEIDA	3	1,014		26.1	8.2					1,573	0	24.1	23.1	0	43	200	2	3,177	0	11.3	19.3	0	74	290	6	5,918	0	-11.0	13.0	0	84	290	8	9,656	0	-35.1	18.6	0	87	270	11
		12,385	0	-51.4		0	94	260	17	14,207	0	-61.1		4	93	250	17	16,536	9	-66.2		9	85	240	9																
ELBAYADH	1									1,593	0	26.1	27.8	0	6	250	2	3,276	0	11.4	21.0	0	2	70	7	5,961	0	-10.7	13.4	0	3	350	10	9,693	0	-34.3	15.8	0	7	260	4
		12,429	0	-48.9		0	7	240	5	14,442	0	-62.7		0	5	220	4	16,660	3	-70.7		0	4	220	17																
BECHAR	2	927		35.0	34.9					1,584	2	25.2	25.9	2	50	320	4	3,137	2	11.2	17.3	2	64	100	4	5,793	2	-10.1	13.1	3	70	80	4	9,372	2	-32.6	18.6	8	60	190	5
		12,341	2	-51.4						14,224	2	-64.2						16,653	2	-70.6																					
IN SALAH	2	979		38.0	34.4					1,560	0	26.4	27.8	0	92	280	8	3,225	0	12.1	21.0	0	75	80	7	5,934	0	-7.4	21.6	0	62	80	4	9,731	0	-28.1	21.0	0	29	160	2
		12,463	0	-48.7		0	65	190	5	14,264	0	-65.4		0	78	150	8	16,622	0	-74.1		1	93	120	10																
EGYPT																																									
HELWAN	3	992		27.8	14.0					1,492	1	20.4	18.0					3,142	1	12.2	23.0					5,800	11	-1.9													
SUDAN																																									
KHARTOUM		964		38.1	24.9					1,515	1	27.0	19.3	1	63	262	4	3,184	1	13.3	14.8	2	33	305	1	5,908	1	-7.3	7.3	4	69	123	5	9,725	1	-31.0	11.0	9	95	90	10
		12,464	1	-53.2		1	85	100	14	14,257	1	-67.3		9	92	100	25	16,662	4	-76.2		2	91	100	28	20,731	9	-63.1		9	98	97	26	23,931	9	-54.9					
SENEGAL																																									
DAKAR/YOFF	3	1,010		26.9						1,531	0	20.1		1	31	114	2	3,208	0	10.6		1	91	82	11	5,886	0	-7.2		1	93	84	10	9,691	1	-32.2		3	71	93	5
		12,423	11	-54.0		6	75	107	7	14,208	5	-68.0		9	82	104	9	16,579																							
MALI																																									
BAMAKO/SENOU	2	969		26.3	5.4					1,527	1	20.3	7.4	1	24	30	1	3,175	1	9.9	9.0	1	94	70	8	5,879	1	-7.0	7.0	1	87	70	7	9,694	1	-31.3	10.3	1	87	70	6
		12,433	1	-53.7		2	73	60	6	14,220	1	-68.1		2	80	70	7	16,595	1	-75.0		2	96	70	10																

UPPER AIR DATA

JULY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
AFRICA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NIGER																																									
NIAMEY-AERO	3	985		30.5	10.3					1,526	0	22.1	10.4	0	25	90	4	3,177	0	10.5	10.7	0	38	90	21	5,883	0	-6.9	10.3	0	83	86	18	9,695	0	-31.8	10.2	0	85	90	19
		12,428	4	-54.0		6	78	100	21	14,214	6	-68.1		8	80	104	26	16,581	9	-76.2		9	63	126	25																
IVORY COAST																																									
ABIDJAN	2	1,013		25.5	2.1					1,527	0	15.9	3.5					3,163	0	8.7	2.7					5,873	0	-6.2	4.8					9,685	0	-32.3	6.0				
		12,412	0	-54.6						14,197	0	-67.3						16,566	0	-76.6						20,708	10	-63.6													
ETHIOPIA																																									
ASMARA		772		22.0	11.9													3,166	2	12.5	6.2	3	80	305	5	5,891	3	-6.8	3.2	4	71	15	7	9,710	3	-31.6	12.6	4	90	90	10
		12,445	4	-53.9	11.1	5	93	100	15	14,230	5	-68.4		5	100	100	18	16,600	7	-77.9		8	86	105	22	20,712	20	-62.9		20	91	110	23	23,913	23	-54.1		23	100	115	25
ADDIS ABABA		769		19.5	7.7													3,168	4	11.2	2.8					5,892	4	-6.5	7.2					9,709	5	-31.2	13.8				
		12,446	10	-53.5	13.0					14,226	16	-66.3						16,600	24	-76.7																					
MADAGASCAR																																									
ANTANANARIVO/IVATO		880		14.0	8.8					1,557	0	11.6	4.8	2	89	11	11	3,152	0	4.2	21.1	4	56	9	7	5,843	0	-7.4	30.0					9,626	2	-32.8	21.5				
		12,353	5	-53.5						14,148	5	-65.8						16,528	7	-76.7																					
MOZAMBIQUE																																									
NAMPULA	3	969		21.1	5.5					1,556	16	13.3	4.4	9	69	134	4	3,160	16	3.4	4.6	9	42	138	3	5,844	17	-6.2	21.6	9	59	329	4	9,642	17	-32.1	18.7	9	41	304	6
		12,376	21	-53.4		9	64	299	9	14,174	21	-66.0		9	71	321	9																								
MAPUTO/MAVALANE	2	1,016		23.8	10.3					1,560	7	11.0	9.3	8	39	199	2	3,155	7	2.7	12.2	7	17	221	1	5,799	7	-13.5	19.7	7	52	266	5	9,504	8	-37.5	20.3	8	77	277	21
		12,204	8	-53.1		8	86	281	29	14,016	8	-62.4		8	94	284	29	16,468	8	-70.5		8	96	292	20	20,666	9	-61.3		9	47	246	3	23,888	10	-54.4		9	27	342	2
OCEAN ISLANDS																																									
WIDE AWAKE FIELD(ASCENSION I	2	1,007		25.0	7.2					1,540	16	11.3	3.1					3,174	17	9.5	16.3					5,884	16	-5.1							16	-33.6					
			16	-56.1							16	-68.5							17	-75.7						20,691	20	-61.6						23,924	21	-52.7					
DIEGO GARCIA/MAURITIUS	2	1,009		26.4	4.0					1,490	8	16.0	4.6	8	63	139	4	3,124	8	9.5	13.6	8	39	275	3	5,838	8	-5.8	16.1	8	54	127	3	9,645	9	-32.3	10.7	11	80	108	8
		12,369	10	-54.9		13	95	72	16	14,153	12	-67.4		17	95	79	19	16,521	18	-75.6		20	23	109	3	20,638	24	-63.9													
ILE NOUVELLE-AMSTERDAM	2	1,014		12.0	2.8					1,506	1	3.6	4.1	2	79	277	18	3,062	1	-3.3	11.1	2	75	275	19	5,646	1	-19.7	11.1	4	76	275	27	9,244	1	-44.9	11.1	5	70	266	31
		11,883	1	-53.8		6	76	269	49	13,726	1	-55.2		9	94	270	51	16,289	1	-58.6						20,651	2	-57.1						23,896	4	-54.0					
PORT-AUX-FRANCAIS/KERGUELEN	2	996		3.5	5.0					1,295	1	-3.7	4.2	1	92	270	34	2,806	1	-11.7	6.6	1	91	269	44	5,305	1	-27.3	7.8	1	89	270	57	8,803	1	-50.8		1	87	271	74
		11,383	1	-58.0		1	93	269	81	13,202	1	-56.8		9		269	79	15,765	1	-58.1		9	98	270	75	20,091	4	-61.3						23,258	11	-63.2					
ASIA																																									
USSR-WESTERN																																									
DRUJNAYA/OSTROV HEJSA/		1,013		1.8	1.4					1,443	0	2.2	6.0	0	47	229	4	2,994	0	-4.7	7.1	0	78	236	6	5,571	0	-19.4	8.2	0	72	245	9	9,174	0	-44.1	5.7	0	70	246	13
		11,866	0	-44.9	7.2	0	78	241	10	13,792	0	-44.1	8.7	0	78	242	7	16,509	0	-44.6	10.1	0	78	239	5	21,176	1	-41.8	12.7	1	27	268	1	24,657	2	-38.8	14.6	2	27	25	1
MYS CELJUSKIN		1,011		2.0	1.2					1,431	10	6.0	7.7	9	25	236	2	3,002	10	-1.2	6.0	9	67	248	8	5,610	10	-16.2	9.0	9	71	255	12	9,263	10	-42.1	6.1	9	67	261	16
		11,919	10	-49.6	6.7	9	75	263	14	13,823	10	-46.1	9.7	9	79	265	10	16,511	10	-46.3	11.6	9	63	270	5	21,138	10	-43.2	14.1	9	28	307	1	24,585	10	-41.6	15.5	9	69	53	2
OSTROV DIKSON		1,009		7.0	2.3					1,460	0	7.0	8.5	0	12	70	1	3,037	0	0.1	11.1	0	24	198	2	5,660	0	-15.0	10.8	0	54	215	6	9,308	0	-43.1	7.0	0	43	211	8
		11,967	0	-49.3	7.8	0	55	219	6	13,865	0	-47.3	10.0	0	49	226	4	16,542	0	-47.5	11.5	0	43	227	2	21,154	1	-43.6	13.6	1	34	79	1	24,589	1	-42.3	15.6	1	97	80	4
MYS KAMENNYJ		1,011		10.5	2.4					1,450	1	7.7	4.7	2	10	81	1	3,029	1	-0.1	7.8	3	25	132	2	5,651	1	-15.5	11.0	3	56	132	6	9,309	1	-41.5	6.9	6	74	135	12
		11,992	1	-48.1	7.0	7	53	126	5	13,901	1	-45.7	8.2	8	48	126	3	16,600	2	-46.2	9.0	8	61	102	3	21,214	2	-44.7	10.6	5	70	91	4	24,648	5	-42.2	11.5	6	97	86	8
NAR JAN-MAR		1,009		14.9	6.0					1,443	0	7.3	5.9	0	24	162	2	3,018	0	-0.9	7.3	0	49	179	4	5,632	0	-16.2	9.5	0	37	187	4	9,274	0	-42.7	6.7	0	24	206	4
		11,969	0	-45.4	7.6	0	37	233	5	13,889	0	-45.1	9.0	0	42	224	4	16,591	0	-46.2	10.2	0	30	209	2	21,218	0	-44.8	12.2	0	72	117	3	24,647	0	-43.3	13.9	0	2	100	6
SALEHARD		1,008		16.6	5.5					1,451	0	7.7	4.1	9	16	149	1	3,024	0	-1.8	5.2	9	23	202	2	5,620	0	-17.5	9.3	9	24	222	3	9,236	10	-44.8	6.0	9	20	228	4
		11,920	0	-45.7	8.6	9	37	219	4	13,836	0	-45.7	10.7	9	44	232	3	16,526	0	-47.3	11.5	9	45	239	2	21,115	11	-45.7	13.1	9	84	98	3	24,524	12	-43.8	14.7	9	2	93	6
HATANGA		1,010		18.6	9.8					1,474	0	10.6	9.7	0	30	199	2	3,066	0	1.2	10.3	0	24	255	2	5,696	0	-14.7	11.4	0	24	294	3	9,363	0	-41.1	7.9	0	30	305	6
		12,033	0	-50.5	7.2	0	35	293	5	13,923	0	-47.7	8.4	0	35	288	3	16,599	0	-47.8	9.2	0	35	311	2	21,209	0	-44.1	11.7	0	62	49	3	24,652	1	-41.3	13.4	2	86	72	5
TURUHANSK		1,005		19.0	8.8					1,454	1	11.0	7.6	1	53	139	4	3,043	1	1.2	8.9	1	53	135	5	5,684	1	-13.7	10.7	1	53	126	7	9,366	1	-41.0	6.8	1	59	117	10
		12,033	1	-50.5	7.0	1	51	119	7	13,922	1	-47.8	9.1	1	45	119	4	16,597	2	-48.8	10.8	3	48	82	3	21,171	4	-46.6	13.0	4	78	79	4	24,597	5	-42.5	15.0	5	96	80	7
SYKTYVKAR		995		17.4	4.9					1,454	1	9.9	3.9	1	41	248	3	3,044				1	58	251	5	5,666	1	-15.2	9.1	1	58	251	8	9,324	1	-42.2	6.5	1	52	239	12
		12,014	1	-45.8		1	66	246	12	13,924	1	-47.1		1	70	242	10	16,601	1	-49.3		1	67	235	6	21,154	2	-47.3		2	64	126	3	24,539	2	-45.8		3	90	103	6
HANTY-MANSIJSK		1,004		17.6	6.3					1,444	0	8.8	4.1	0	24	330	2	3,021	0	-0.4	5.4	0	42	329	4	5,631	0	-15.8	7.4	0	42	327	5	9,284	0	-42.5	6.3	0	35	327	7
		11,987	0	-44.0	9.0	0	64	316	8	13,909	0	-45.6	10.5	0	70	305	7	16,589	0	-48.7	10.9	0	75	312	5	21,146	1	-47.4	11.8	1	74	64	3	24,540	2	-45.2	13.4	2		86	7
TURA		987		18.2	8.5					1,473	0	11.3	7.8	2	51	93	3	3,068	0	1.3	7.0	1	55	105	4	5,699	0	-14.6	8.5	0	39	115	4	9,360	0	-42.7	4.5	0	22	133	3
		12,014	0	-50.3	5.4	0	37	142	4	13,901	1	-49.1	6.8	1	39	131	3	16,559	1	-49.5	8.1	1	33	109	2	21,108	1	-47.2	9.6	1	85	84	4	24,504	1	-44.8	11.0	2	98	79	6
SVERDLOVSK		978		17.8	5.0					1,473	0	10.6	4.7	0	48	280	4	3,064	0	1.5	8.8	0	67	290	8	5,691	0	-14.7	9.5	0	74	290	11	9,347	0	-42.2	6.2	0	80	290	18
		12,035	0	-47.0	8.3	0	85	287	23	13,926	0	-50.2	9.7	0	88	287	18	16,552	0	-53.4	10.3	0	82	287	10	21,024	0	-50.9	11.5	0	39	74	2	24,360	1	-48.1	12.1	1	88	85	6
OMSK		998		18.8	7.2					1,457	0	10.5	5.1	0	61	321	5	3,049	0	0.8	6.6	0	80	315	8	5,674	0	-14.6	10.8	0	79	316	11	9,340	0	-41.7	7.4	0	79	315	16
		12,037	0	-44.9	9.7	0	91	311	21	13,941	0	-47.9	10.9	0	90	310	17	16,591	0	-52.0	11.2	0	90	315	11	21,080	0	-50.8	12.2	0	76	30	4	24,421	0	-48.2	12.9	1		75	8
KOLPASEV		998		16.9	4.2					1,435	1	8.6	3.9	1	15	350	1	3,012	1	-1.2	4.4	1	11	333	1	5,616	1	-16.7	6.0	1		296	**	9,250	1	-44.8	4.6	2	5	141	1
		11,932	2	-45.3	7.9	3	10	11	1	13,851	2	-46.5	9.7	2	31	341	2	16,529	3	-49.3	10.6	4	38	359	2	21,065	4	-48.8	11.7	4	94	69	5	24,435	7	-47.0	12.4	7	90	77	7
KRASNOJARSK		983		16.1	4.8					1,438	0	11.0	4.4	1	34	65	2	3,028	0	0.9	3.6	0	11	180	1	5,666	0	-13.3	7.4	0	23	220	2	9,357	0	-39.5	5.6	0	53	208	7
		12,042	0	-48.6	6.2	0	40	212	5	13,945	0	-46.4	8.5	0	22	236	2	16,633	1	-48.7	9.2	1	15	227	1	21,179	2	-48.7	10.4	3	70	86	4	24,528	6	-46.4	11.3	7	89	86	7
KIRENSK		975		17.2	4.5					1,416	0	11.0	4.9	1	60	32	3	3,007	0	1.5	5.1	0	27	79	2	5,644	0	-13.0	8.9	0	17	130	2	9,343	1	-39.9	7.2	1	27	178	4
		12,020	1	-51.8	7.3	1	38	180	5	13,901	1	-49.4	9.5	1	37	173	3	16,548	1	-50.9	11.2	1	31	184	2	21,070	3	-49.3	13.2	3	75	100	4	24,429	5	-47.1	14.9	7	85	89	6
ORENBURG		997		25.1	14.4					1,494	0	16.8	14.3	0	47	243	4	3,101	0	4.5	9.5	0	64	252	7	5,749	0	-12.5	10.5	0	76	257	12	9,462	0	-36.9	9.7	0	88	262	22
		12,200	0	-46.8	11.2	0	91	264	30	14,078	0	-53.1	11.4	0	95	263	28	16,657	0	-58.6	11.1	0	89	262	20	21,031	1	-53.5	12.1	1	46	187	5	24,353	2	-48.9	13.4	2	85	109	8
KUSTANAJ		991		22.9	13.3					1,494	0	14.7	11.0	0	55	295	4	3,104	0	3.9	8.1	0	80	298	9	5,755	0	-11.7	11.5	0	86	295	13	9,477	0	-37.4	8.5	0	86	296	19
		12,214	0	-45.7	9.0	0	90	293	28	14,109	0	-50.0	9.9	0	87	292	25	16,722	0	-55.6	10.4	0	93	290	17	21,131	1	-53.4	11.5	1	46	357	2	24,443	2	-49.9	12.0	2	88	75	6

UPPER AIR DATA

JULY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
ASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
USSR-WESTERN																																									
KARAGANDA		947		20.7	12.7					1,470	0	16.2	12.8	0	62	332	5	3,081	0	3.8	8.1	0	80	318	8	5,734	0	-11.7	12.6	0	80	315	13	9,454	0	-37.0	9.9	0	86	311	21
		12,194	0	-44.4		0	94	311	31	14,101	0	-48.9		0	91	308	28	16,720	1	-55.0		2	94	310	19	21,135	11	-53.8		9	87	8	5	24,455	11	-48.6		9		74	9
GUREV		1,012		29.7	18.1					1,502	3	20.7	20.7	3	27	171	2	3,135	3	8.6	14.9	3	54	211	5	5,826	3	-9.1	12.2	3	86	238	11	9,617	3	-29.1	15.0	3	84	251	21
		12,436	3	-42.4		3	93	254	29	14,337	4	-51.7		4	91	254	28	16,907	5	-61.5		6	97	253	22	21,194	12	-59.1		9	48	173	4	24,449	16	-53.1		9	91	100	7
ASHABAD		971		32.6	26.5					1,486	0	25.1	24.1	0	36	8	2	3,144	0	10.9	15.9	0	92	33	6	5,862	0	-4.8	20.3	0	58	33	4	9,723	0	-26.3	21.4	1	33	304	3
		12,545	0	-45.7	18.0	0	49	284	5	14,413	1	-58.6	15.6	1	36	280	4	16,878	1	-71.2	13.3	1	15	337	1	21,016	2	-61.7	14.9	2	98	86	11	24,247	4	-52.9	15.9	4	97	86	14
TASKENT		947		28.7	18.7					1,444	4	24.9	23.1	5	67	339	3	3,105	4	12.1	20.7	4	45	333	2	5,817	4	-7.0	19.2	4	55	290	4	9,622	5	-28.6	18.9	5	89	298	16
		12,417	5	-46.2	16.8	5	89	295	19	14,283	5	-57.3	15.2	5	87	294	17	16,783	5	-67.4	13.6	5	90	302	12	21,009	5	-59.1	14.6	5	99	68	8	24,263	6	-51.3	15.8	6		84	12
ALMA-ATA		912		24.2	16.7					1,464	0	22.0	18.1	0		264	**	3,110	0	8.8	11.0	0	88	266	5	5,801	0	-9.7	11.0	5	85	292	12	9,556	0	-33.8	11.2	9	81	301	22
		12,329	10	-44.6	12.3					14,228	19	-54.0	12.8																												
USSR-EASTERN																																									
OSTROV KOTELNYJ		1,014		2.5	1.5					1,452	0	1.5	7.0	0	36	29	3	3,001	0	-4.5	7.3	0	55	5	5	5,578	0	-19.6	8.7	0	68	335	8	9,175	0	-45.0	6.2	0	74	353	14
		11,854	0	-45.0	8.4	0	82	348	11	13,778	0	-44.4	10.8	0	82	345	8	16,492	0	-45.0	12.2	0	82	347	6	21,142	0	-42.6	13.6	0	79	24	4	24,598	0	-40.5	15.3	0	84	56	4
OSTROV CETYREHSTOLBOVOJ		1,006		2.7	1.6					1,421	10	4.0	9.2	9	12	108	1	2,979	10	-3.4	8.5	9			**	5,560	10	-18.9	8.4	9	24	226	2	9,162	10	-45.5	5.3	9	32	241	4
		11,836	10	-45.3	8.6	9	49	281	4	13,757	10	-45.2	11.4	9	69	303	4	16,456	10	-45.7	13.3	9	81	332	4	21,086	10	-43.7	15.7	9		39	4	24,521	11	-42.1	17.8	9	92	71	5
MYS SMIDTA		1,009		4.9	3.0					1,406	0	2.2	4.3	0	48	302	4	2,961	0	-3.8	6.4	0	36	291	3	5,539	0	-19.3	6.2	0	24	269	3	9,137	0	-45.3	4.6	0	24	251	5
		11,816	0	-46.3	6.8	0	42	268	6	13,729	0	-45.6	8.9	0	42	274	4	16,425	0	-46.0	10.6	0	29	290	2	21,045	0	-44.1	12.8	0	50	67	2	24,474	0	-43.2	14.6	0	90	82	5
ANADYR		1,011		11.6	4.3					1,432	7	3.7	4.6	7	41	285	3	2,989	7	-3.5	6.9	7	51	285	4	5,574	7	-19.1	9.5	7	51	272	6	9,188	7	-44.9	6.2	7	51	271	11
		11,873	7	-47.3	8.5	7	55	293	9	13,781	7	-47.3	10.3	7	64	300	7	16,462	7	-48.2	11.4	7	54	321	4	21,045	9	-46.5	13.3	9	77	55	4	24,469	11	-44.3	14.6	9	89	76	6
KORF		1,009		11.6	2.7					1,424	15	5.8	2.0	9	60	284	5	2,996	15	-1.4	3.8	9	66	270	6	5,606	15	-15.6	7.6	9	87	264	13	9,277	15	-40.1	5.9	9	81	266	18
		11,975	15	-49.3	6.0	9	84	269	16	13,869	15	-47.3	7.0	9	83	278	11	16,546	15	-48.3	7.7	9	64	286	5	21,109	15	-47.6	8.9	9	52	358	3	24,490	15	-46.7	10.0	9	72	57	4
PETROPAVLOVSK/KAMCATSKIJ		1,002		13.0	2.0					1,451	0	9.3	2.4	0	30	238	3	3,047	0	2.4	4.7	0	54	246	6	5,697	0	-12.3	6.6	0	68	243	9	9,416	0	-38.0	4.8	0	68	252	15
		12,102	0	-52.7	5.0	0	70	260	17	13,953	0	-53.3	6.3	0	76	265	13	16,549	0	-55.2	7.0	0	68	274	6	21,006	1	-51.4	8.1	1	62	72	3	24,350	1	-47.7	9.6	1	2	87	8
OHOTSK		1,008		12.3	2.7					1,427	3	8.2	5.0	3	10	98	1	3,007	3	-0.2	6.0	3	21	302	2	5,619	3	-16.0	7.1	3	31	302	4	9,274	3	-42.3	5.8	3	48	282	10
		11,963	3	-47.8	7.9	3	48	284	9	13,860	3	-49.4	9.6	3	43	288	6	16,510	3	-51.2	10.8	3	48	299	4	21,017	3	-48.9	12.9	3	70	78	4	24,395	4	-46.2	16.0	5	3	85	9
JUZNO-SAHALINSK		1,006		17.4	2.6					1,448	1	12.7	5.1	1	54	239	5	3,055	1	4.5	7.9	1	60	258	6	5,719	1	-10.6	10.1	1	64	263	9	9,455	1	-36.0	8.0	1	76	266	18
		12,174	1	-50.1	7.8	1	82	267	24	14,030	1	-55.3	8.3	1	76	270	17	16,588	1	-58.9	8.4	1	69	275	7	20,973	1	-54.2	9.4	1	84	84	5	24,283	2	-49.2	10.8	2	96	89	9
VLADIVOSTOK		996		19.9	1.6					1,435	0	15.4	4.6	1	57	212	4	3,057	0	7.2	4.7	0	52	251	4	5,755	1	-7.7	9.4	1	81	247	8	9,557	1	-32.6	7.1	1	73	259	13
		12,309	1	-49.3	6.6	1	86	264	21	14,167	2	-56.2	7.2	2	84	266	16	16,705	2	-62.2	7.3	3	80	269	8	21,031	4	-56.5	8.6	4	92	80	6	24,318	4	-51.2	9.7	4		85	11
OLENEK		988		19.1	11.5					1,480	0	10.9	10.0	1	30	22	2	3,063	0	-0.8	7.3	1	37	356	3	5,678	0	-15.5	10.0	1	44	348	5	9,326	0	-42.9	5.7	0	43	349	7
		11,991	1	-49.0	6.7	1	47	332	6	13,875	1	-48.3	8.9	2	50	329	4	16,538	2	-48.8	9.9	2	51	349	3	21,113	2	-45.2	11.7	2	85	64	4	24,514	4	-43.4	13.1	4	96	73	6
VERHOJANSK		995		15.0	8.6					1,448	1	6.3	6.4	1	62	359	4	3,019	1	-1.6	7.0	1	62	337	6	5,620	1	-17.2	9.1	1	64	327	8	9,253	1	-42.8	6.5	1	69	320	13
		11,959	1	-44.3	8.0	1	79	316	11	13,885	1	-45.2	9.2	1	75	314	8	16,585	2	-47.5	9.9	2	60	330	4	21,187	2	-45.4	12.0	2	64	55	3	24,609	2	-43.3	13.8	2	86	78	6
SEJMCAN		983		11.1	5.7					1,404	9	2.6	4.0	9	51	357	3	2,951	9	-5.0	4.6	9	52	314	4	5,525	9	-20.1	6.7	9	66	298	8	9,126	9	-45.3	5.3	9	66	283	16
		11,810	9	-45.5	8.7	9	79	284	13	13,725	9	-46.7	10.8	9	77	287	9	16,407	9	-48.0	12.2	9	79	290	6	20,993	9	-46.6	13.6	9	49	60	2	24,406	10	-44.7	14.6	9		83	6
JAKUTSK		994		17.8	9.2					1,417	10	10.4	8.6	9	38	357	3	3,000	10	0.7	9.2	9	44	337	4	5,614	10	-15.4	9.9	9	54	314	8	9,275	11	-42.3	6.1	9	44	306	11
		11,941	11	-48.1	7.4	9	49	282	9	13,825	12	-49.1	9.7	9	49	287	6	16,466	12	-51.1	10.9	9	41	304	3	20,999	12	-47.9	12.5	9	75	75	4	24,385	14	-45.3		9	96	82	7
ALDAN		928		16.1	8.8					1,427	10	13.2	8.7	9	24	84	2	3,027	10	2.7	6.8	9	8	52	1	5,670	10	-12.8	7.8	9	16	30	2	9,362	10	-40.1	6.0	9	4	297	1
		12,032	10	-49.3	6.7	9	19	234	4	13,923	10	-49.0	8.9	9	22	244	3	16,564	10	-51.7	10.3	9	11	274	1	21,081	11	-48.8	12.1	9	73	84	4	24,452	11	-46.3	14.1	9	99	83	7
CITA		927		17.2	6.1					1,402	0	14.0	6.8	0		242	**	3,007	0	3.2	4.5	0	12	306	1	5,653	0	-12.8	7.1	0	18	279	2	9,361	0	-38.7	6.5	0	11	246	2
		12,058	0	-48.9		0	46	228	6	13,949	0	-49.4		0	68	244	7	16,586	0	-52.3		0	61	248	4	21,059	3	-51.5		3	81	100	4	24,411	3	-48.1		3	94	96	8
BLAGOVESCENSK		987		20.4	3.9					1,420	1	13.4	4.7	1	24	209	2	3,034	1	4.5	4.9	1	36	216	3	5,700	1	-10.6	7.6	1	36	241	4	9,442	1	-35.8	6.3	1	39	260	7
		12,150	1	-49.7	6.1	1	56	254	12	14,027	1	-51.2	8.2	1	71	250	11	16,640	1	-55.1	9.3	2	58	259	5	21,077	1	-52.4	11.1	1	95	80	5	24,402	1	-48.5		1	94	85	10
HABAROVSK		997		20.8	3.1					1,437	0	14.7	4.9	0	26	220	2	3,052	0	5.0	4.8	0	39	250	3	5,725	0	-10.2	8.4	0	61	262	7	9,483	0	-35.3	6.1	0	62	269	11
		12,222	7	-49.0		7	83	275	16	14,098	14	-52.5		9	79	278	10																								
HONG KONG																																									
KINGS PARK	1	999		27.6	2.8					1,482	0	19.2	4.5	0	49	203	4	3,132	0	11.4	8.9	0	42	206	3	5,863	0	-4.2	10.9	0	60	111	3	9,707	0	-29.1	12.0	0	88	86	8
		12,473	1	-51.2	10.6	0	90	75	14	14,278	2	-65.2	11.0	0	93	74	19	16,660	4	-77.2	11.4	0	98	75	22	20,769	7	-62.4	13.6	1	99	86	22	23,997	13	-52.6	20.9	5	99	91	25
DEM PEOPLES REP OF KOREA																																									
PYONGYANG	1	1,000		23.7	3.3					1,449	0	17.0	4.8	0	40	175	1	3,085	0	8.8	9.2	0	67	240	2	5,797	0	-5.8	15.1	0	88	260	4	9,616	0	-30.6	8.8	0	69	280	6
		12,391	1	-48.4	9.0	3	84	285	8	14,244	2	-58.4	9.6					16,738	6	-65.4	7.4																				
JAPAN																																									
WAKKANAI	2	1,007		19.1	2.4					1,461	0	14.6	7.5	0	65	230	5	3,077	0	5.6	11.5	0	61	253	5	5,754	0	-9.1	17.5	0	78	259	10	9,518	0	-34.5	12.2	0	83	261	20
		12,236	0	-51.2		0	82	266	23	14,081	0	-56.7		0	78	265	16	16,620	0	-60.4		0	76	278	8	20,982	1	-54.7		2	94	82	6	24,288	3	-49.3		5	99	84	10
SAPPORO	2	1,007		21.1	3.3					1,470	0	15.2	6.0	1	62	199	5	3,091	0	6.6	10.4	0	77	242	6	5,779	0	-7.9	15.3	0	79	251	9	9,564	0	-33.4	11.2	0	80	257	17
		12,290	0	-51.9		0	79	267	22	14,124	0	-58.3		0	77	269	17	16,634	0	-62.8		0	72	281	7	20,954	0	-56.1		2	97	83	6	24,244	5	-50.4		6	99	81	11
NEMURO	2	1,008		16.1	1.0					1,479	0	14.2	6.2	0	68	228	5	3,096	0	6.2	9.9	0	73	254	6	5,783	0	-7.8	16.2	0	87	255	11	9,567	0	-33.4	10.7	0	81	266	16
		12,293	0	-52.0		0	81	270	22	14,123	0	-58.9		0	80	271	17	16,633	0	-63.0		0	73	279	7	20,959	1	-56.2		2	99	77	7	24,249	4	-50.4		5	99	83	11
AKITA	2	1,007		24.0	3.5					1,475	0	16.8	3.7	0	67	204	4	3,107	0	8.3	8.2	0	79	239	6	5,814	0	-6.2	12.8	0	81	253	10	9,625	0	-31.5	12.2	0	81	257	15
		12,366	0	-51.7		0	80	268	19	14,192	0	-60.2		0	74	275	14	16,672	0	-66.4		0	51	304	4	20,952	1	-57.1		1	99	81	9	24,232	2	-50.6		2	99	83	13
SENDAI	2	1,004		21.9	1.9					1,483	0	16.4	2.4	0	70	222	5	3,115	0	8.9	11.4	0	66	249	5	5,829	0	-5.6	14.3	0	70	242	8	9,648	0	-31.1	12.3	0	78	267	13
		12,391	0	-51.9		0	75	274	15	14,212	0	-61.4		0	69	280	10	16,676	0	-67.9		0	44	323	4	20,934	0	-57.7		0	99	82	10	24,207	2	-51.9		5	99	84	13
WAJIMA	2	1,006		23.9	2.1					1,474	0	17.8	5.4	0	69	231	5	3,111	0	9.3	11.0	0	74	243	6	5,827	0	-5.4	15.6	0	77	253	9	9,652	0	-30.4	12.8	0	68	265	13
		12,406	0	-51.3		1	71	272	15	14,229	0	-60.9		1	68	284	11	16,695	0	-68.1		1	49	316	4	20,927	2	-58.7		3	99	84	9	24,180	4	-52.6		6	99	85	13
TATENO	2	1,005		23.3	1.9					1,485	0	17.9	4.9	0	35	160	2	3,125	0	9.9	10.6	0	44	241	3	5,846	0	-4.9	14.1	0	64	245	6	9,674	0	-30.4	12.4	0	66	269	9
		12,423	0	-52.3		0	61	285	11	14,236	0	-62.4		0	59	298	8	16,686	0	-69.4		0	55	7	4	20,917	0	-58.4		0	99	82	11	24,174	1	-52.2		2	99	83	14
HACHIJOJIMA	2	990		24.7	1.5					1,483	0	18.5	6.5	0	30	93	2	3,127	0	10.7	11.3	0	8	169	1	5,854	0	-4.5	15.3	0	16	202	1	9,688	0	-30.2	13.7	0	27	317	3
		12,439	0	-52.3		0	40	346	6	14,246	0	-63.8		0	49	360	5	16,677	0	-70.9		0	77	46	6	20,884	1	-59.5		2	99	85	13	24,143	3	-52.2		4	99	84	15

UPPER AIR DATA

JULY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
ASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
JAPAN																																									
YONAGO	2	1,005		26.1	3.7					1,473	0	18.6	3.8	0	67	222	5	3.116	0	9.9	8.7	0	62	241	5	5,840	0	-4.5	16.1	0	73	250	7	9,679	0	-29.5	12.0	0	64	263	10
		12,442	0	-50.9		0	65	294	13	14,262	0	-62.3		0	70	304	10	16,709	0	-69.9		0	56	349	4	20,926	0	-58.6		5	99	86	11	24,185	13	-51.7		0	56	349	4
SHIONOMISAKI	2	999		25.3	1.6					1,481	0	18.9	4.2	0	44	96	3	3,127	0	10.2	6.8	0	9	198	1	5,853	0	-4.3	11.9	0	51	241	4	9,695	0	-29.3	12.6	0	41	280	5
		12,457	0	-51.3		0	43	310	7	14,271	0	-63.2		0	57	327	7	16,704	0	-71.0		0	73	29	6	20,911	2	-59.2		2	99	85	13	24,169	4	-52.4		6	99	84	15
FUKUOKA	2	1,004		27.5	4.0					1,473	0	19.2	5.4	0	56	216	4	3,118	0	11.0	12.9	0	58	251	5	5,850	0	-3.6	15.8	0	69	266	6	9,702	0	-28.8	12.9	0	66	285	8
		12,472	0	-50.6		0	68	311	11	14,290	0	-63.2		0	62	322	8	16,721	0	-71.6		0	69	19	5	20,912	0	-59.6		0	99	85	12	24,158	0	-53.0		2	99	84	16
KAGOSHIMA	2	974		25.2	2.3					1,475	0	19.4	5.0	0	16	216	1	3.124	0	11.3	10.0	1	37	272	3	5,859	0	-3.6	11.8	0	50	277	4	9,709	0	-29.1	12.1	0	37	314	4
		12,476	0	-51.0		0	52	352	7	14,288	0	-64.0		0	57	1	7	16,706	0	-72.7		0	88	47	8	20,887	0	-59.8		0	99	87	14	24,130	1	-52.9		3	99	85	17
NAZE	2	973		25.5	1.0					1,480	0	19.8	5.7	0	40	291	2	3,129	0	11.2	9.6	0	40	304	2	5,863	0	-4.0	10.2	0	39	333	2	9,710	0	-28.9	13.1	0	55	32	4
		12,476	0	-51.1		0	72	33	8	14,287	0	-64.6		0	81	43	9	16,691	0	-74.2		0	97	61	12	20,852	0	-60.8		2	99	87	16	24,088	2	-53.0		4	99	84	19
ISHIGAKIJIMA	2	1,006		29.1	4.3					1,488	0	20.7	7.5	1	15	124	1	3,141	0	11.5	9.5	1	22	311	1	5,873	0	-4.1	14.7	1	43	54	2	9,715	0	-29.3	13.3	1	67	71	6
		12,479	0	-51.3		0	79	66	11	14,286	0	-65.1		0	90	67	14	16,678	0	-75.8		0	98	72	18	20,813	3	-61.2		3	99	89	20	24,046	3	-53.1		3	99	84	21
NAHA	2	1,004		28.8	3.6					1,488	0	19.9	5.4	1	34	259	2	3,139	0	11.5	10.4	0	42	317	2	5,874	0	-3.6	13.0	0	35	16	2	9,722	0	-29.1	12.7	0	67	51	6
		12,489	0	-51.0		0	78	56	10	14,299	0	-64.9		0	90	56	13	16,698	0	-74.8		0	99	67	15	20,840	1	-61.7		1	99	88	18	24,070	1	-53.4		1	99	83	20
MINAMIDAITOJIMA	2	1,005		27.9	3.6					1,485	0	19.3	4.0	0	42	313	2	3.133	0	10.9	8.2	0	51	337	3	5,861	0	-4.7	11.5	0	46	358	3	9,697	0	-29.7	12.0	0	71	50	6
		12,455	0	-52.0		0	69	52	8	14,257	0	-65.8		0	84	51	11	16,648	0	-74.7		0	99	70	15	20,805	0	-61.3		1	99	87	19	24,035	1	-53.3		4	99	85	22
CHICHIJIMA	2	1,007		26.6	2.5					1,482	0	18.5	4.1	0	10	68	1	3.127	0	10.6	7.1	0	2	99	**	5,854	0	-4.4	14.1	0	21	81	1	9,686	0	-30.3	13.8	0	28	44	3
		12,435	0	-52.6		0	29	43	4	14,235	0	-65.4		0	55	51	7	16,640	0	-73.3		0	95	64	12	20,825	2	-60.9		2	99	86	17	24,059	6	-53.9		7	99	85	20
MINAMITORISHIMA	2	1,009		26.8	3.1					1,506	1	18.3	4.5	3	51	210	4	3,147	1	9.6	7.1	1	60	211	4	5,864	1	-5.7	8.7	1	28	238	2	9,687	1	-30.7	12.5	1	40	260	3
		12,430	1	-53.3		1	39	270	5	14,220	1	-67.3		1	33	290	4	16,596	1	-74.4		1	92	66	8	20,782	1	-60.7		1	99	88	18	24,013	2	-53.3		3	99	87	22
ISRAEL																																									
BET DAGAN		1,004		29.4	10.3					1,485	1	19.7	16.5	1	76	30	3	3,128	1	10.9	19.1	1	75	27	4	5,857	1	-3.2	18.4	1	82	27	8	9,730	1	-26.6	14.4	1	91	24	11
		12,546	1	-46.7		1	86	23	9	14,401	1	-60.0		1	77	22	8	16,858	1	-71.8		1	66	17	6																
JORDON																																									
MAFRAQ	3	931		24.5	17.1					1,463	0	21.0	18.2	0	92	288	6	3.108	0	11.4	21.7	0	76	264	5	5,825	0	-3.1	21.2	31	85	254	8	9,695	2	-26.4		2	93	245	11
		12,500	3	-45.6		3	78	226	9	14,350	4	-59.0		4	64	213	7	16,803	6	-71.0		6	63	190	6	20,943	15	-61.0		15	95	96	10								
KUWAIT																																									
KUWAIT INTL AIRPORT	3	992		39.2	0.3					1,453	0	29.1	6.4	0	99	323	19	3.133	0	15.0	13.5	0	69	297	10	5,863	0	-5.2	39.1	0	22	120	2	9,739	0	-26.4	67.1	0	40	300	5
		12,540	0	-47.8		0	30	139	4	14,378	0	-61.9		0	78	123	13	16,790	0	-76.0		0	90	105	29	20,859	0	-63.0		2	99	90	40	24,079	2	-54.0		2	99	90	40
SAUDI ARABIA																																									
EL-WEJH	2	1,002		31.3	8.0					1,483	0	24.8	24.9	0	49	275	2	3.147	0	13.3	25.8	0	49	225	3	5,883	0	-2.3	36.0	0	32	260	2	9,745	0	-28.3	23.7	0	37	140	2
		12,527	1	-49.4	18.1	1	83	120	7	14,352	1	-63.4	16.2	1	93	120	11	16,749	1	-72.7	14.6	1	96	105	17	20,818	4	-62.8	17.2	4	99	100	20	24,042	16	-53.4	27.9	9	99	95	19
JEDDAH (KING ABDULAZIZ) AP	2	1,001		37.0	18.1					1,477	0	27.1	26.2	1	93	325	7	3.155	0	14.7	18.7	1	70	280	5	5,881	1	-6.9	13.1	2	36	235	2	9,725	1	-28.9	20.2	2	95	95	10
		12,495	1	-50.7		2	97	100	16	14,308	1	-64.9		2	98	105	21	16,684	2	-78.7		2	99	100	27	20,763	2	-63.1		3	99	95	23	23,980	5	-53.2		5	99	95	22
GIZAN	2	1,000		36.1	10.1					1,467	0	26.4	17.9	0	85	330	6	3.148	0	15.6	18.4	0	90	50	4	5,876	0	-8.0	6.0	0	94	45	8	9,705	0	-30.2	14.1	0	96	90	11
		12,459	0	-51.9		0	97	95	19	14,255	1	-66.2		2	98	100	25	16,615	2	-79.4		3	98	95	32	20,716	4	-62.4		5	98	95	23	23,925	5	-55.0		5	98	95	27
TABOUK	2	920								1,484	0	26.4	24.7	0	50	295	2	3,147	0	12.1	21.6	0	88	215	6	5,879	0	-2.4	12.8	0	76	255	5	9,742	0	-28.0	26.2	0	54	235	4
		12,527	0	-49.0	20.4	0	69	155	5	14,355	0	-62.8	16.3	0	82	140	8	16,762	1	-76.2	14.2	1	94	110	13	20,856	1	-61.4	18.5	1	99	100	18	24,096	7	-52.2	28.1	7	99	95	17
MEDINA	2	932		39.4	40.0					1,473	0	30.2	29.9	0	57	265	4	3,155	0	14.0	18.4	0	78	250	6	5,885	0	-4.2	29.9	0	27	30	2	9,744	2	-28.2	22.1	1	74	90	5
		12,526	3	-49.7		2	87	105	10	14,346	2	-64.0		3	96	110	15	16,732	3	-78.1		3	98	100	20	20,810	3	-62.4		3	99	95	21	24,035	7	-52.8		7	99	95	19
KHAMIS MUSHAIT	2	795		29.7	24.6													3.161	0	17.0	20.3	1	79	35	4	5,893	0	-8.7	3.4	1	83	30	5	9,719	0	-29.1	4.2	1	95	90	12
		12,477	1	-51.6		1	98	95	18	14,281	1	-65.8		3	98	95	25	16,644	3	-79.0		3	99	95	31	20,734	3	-62.4		3	99	95	24	23,949	7	-54.1		8	99	95	26
RIYADH(KING KHALED INT AP)	2	933		41.8	50.8					1,460	1	31.4	45.2	2	75	340	5	3.148	1	15.4	31.2	2	83	325	5	5,872				2	50	205	3	9,741	1	-27.1		2	54	95	3
		12,528	1	-49.5		2	88	110	8	14,349	1	-64.1		3	96	100	13	16,636	2	-78.3		4	92	95	19	20,800	4	-62.7		5	95	95	21	24,014	14	-53.1		9	99	95	21
QAISUMAH	2	961		41.0	44.7					1,467	0	29.6	30.9	0	87	320	5	3,146	0	13.9	19.5	0	85	300	6	5,871	0	-4.8	30.3	0	60	320	3	9,723	0	-26.5	29.6	0	31	310	2
		12,544	0	-47.8		0	51	155	3	14,380	0	-62.0		0	90	120	7	16,973	0	-76.1		0	96	100	15	20,867	1	-62.6		0	99	95	20	24,101	13	-52.6		9	99	95	18
DHAHRAN	2	996		42.1	30.6					1,451	0	29.6	29.6	0	91	330	9	3,136	0	15.5	21.0	0	80	325	7	5,866	1	-7.0	13.7	1	18	75	1	9,739	2	-26.2	24.0	2	4	240	**
		12,539	4	-48.3		4	80	110	5	14,370	4	-62.8		4	96	100	9	16,768	4	-77.6		4	98	95	18	20,840	7	-62.3		8	99	95	21	24,072	16	-52.8					
UNITED ARAB EMIRATES																																									
ABU DHABI NEW INT AIRPORT	3	993		34.7	11.4					1,431	0	30.0	29.4	2	32	255	1	3,118	0	16.1	23.1	1	18	211	1	5,856	0	-5.0	15.7	1	22	107	1	9,735	0	-26.4	28.7	2	57	86	3
		12,526	0	-49.3		3	93	100	10	14,347	0	-64.0		5	97	99	14	16,728	0	-78.5		9	97	92	22	20,791	1	-63.5		17	99	89	22	23,894	21	-54.1					
AFGHANISTAN																																									
KABUL-AIRPORT		814		21.7	17.0													3,085	6	15.7	16.8	6	96	353	5	5,825	6	-5.6	7.5	6	77	275	6	9,694	6	-25.6	18.3	6	56	295	6
		12,508	6	-45.7	15.6	6	49	301	6	14,369	6	-58.7	12.9	6	43	320	4	16,827	6	-72.6	11.8	6	82	27	7	20,940	12	-62.7	13.5	14	98	84	13	24,150	12	-52.2	14.4	17	98	85	15
PAKISTAN																																									
PESHAWAR	1	956		26.9	5.9					1,404	8	23.4	4.8	8	23	211	**	3,059	8	13.4	5.5	8	57	266	3	5,802	8	-4.3	6.1	8	53	297	7	9,664	8	-24.8		8	67	242	10
		12,499	12	-45.4		9	52	248	8	14,401	13	-59.0		9	59	281	9																								
SARGODHA	1	997		26.4	3.8					1,410	3	21.4	4.7	9	52	215	3	3,120	3	11.5	5.7	9	49	275	4	5,891	3	-4.9	6.7	9	90	282	7	9,852	4	-25.8					
		12,687	14	-45.3																																					
QUETTA/BREWERY	1	833		21.6	4.6													3,075	2	14.6		2	84	238	6	5,802	2	-8.0		2	24	220	2	9,641	2	-27.2		2	53	261	7
		12,407	5	-48.6		9	46	254	6																																
KARACHI AIRPORT	1	995		27.6	3.5					1,397	3	22.3	8.3	3	88	278	4	3,066	3	15.8	5.1	3	85	287	6	5,804	3	-5.9	6.3	3	86	285	9	9,671	4	-26.4		4	87	285	15
		11,961	9	-49.7		9	84	285	17																																
INDIA																																									
SRINAGAR	1	834		19.8	2.0					1,460								3,077	3	13.6	5.2	3	50	330	1	5,814	3	-4.1	8.2	3	21	290	1	9,682	3	-25.1	7.8	3	88	245	11
		12,535	4	-43.3						14,422	6	-55.3						16,921	8	-64.9																					
NEW DELHI/SAFDARJUNG	3	966		30.3	7.4					1,405	0	22.6	5.1	0	37	281	2	3.066	0	12.0	5.0	0	42	315	3	5,809	0	-2.8	9.2	0	37	283	2	9,703	0	-24.7		0	33	269	3
		12,531	0	-46.4		0	29	234	2	14,370	0	-61.5		0	20	108	1	16,783	4	-76.4		5	77	73	9	20,845	6	-62.9		7	87	85	15	24,118	6	-52.8		9	86	88	18

UPPER AIR DATA

JULY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
ASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
INDIA																																									
JODHPUR	3	973		30.6	8.6																																				
LUCKNOW/AMAUSI	3	983		28.8	3.7					1,395	1	20.5	3.5	1	10	285	1	3,043	1	10.2	4.2	1	18	300	1	5,762	1	-3.7	8.6	1	10	85	1	9,638	1	-27.2		1	47	110	3
		12,423	2	-50.6		2	66	110	5	14,224	2	-66.5		3	74	80	7	16,587	6	-81.0		6	82	82	14																
GAUHATI	3	995		27.2	2.0					1,428	0	19.1	2.0	0	53	228	5	3,075	0	10.3	3.1	0	93	229	5	5,806	0	-3.8	4.9	0	58	220	3	9,679	0	-27.1	11.1	0	34	87	2
		12,474	0	-49.9		0	82	79	6	14,274	1	-65.6		1	79	83	8	16,643	2	-78.8		2	90	80	14	20,727	4	-62.8		5	98	84	17	23,943	8	-55.0		9	98	89	21
AHMADABAD	1	994		28.6	3.7					1,416	2	21.3	2.4	4	85	245	7	3,059	3	12.2	9.3	4	46	290	3	5,793	3	-3.3	9.0	5	28	345	1	9,680	3	-25.1		5	95	85	9
		12,496	5	-45.8		6	98	95	15	14,357	8	-61.7		9	98	90	19	16,760	8	-75.2		9	97	85	24	20,926	10	-60.1						24,222	16	-49.9					
CALCUTTA/DUM DUM	3	998		29.1	2.9					1,410	0	18.8	4.0	0	61	204	5	3,052	0	10.7	6.4	0	41	205	3	5,782	0	-4.1	8.6	0	38	137	3	9,640	0	-27.7		0	87	106	9
		12,425	0	-50.5		0	95	62	17	14,236	0	-65.5		0	97	95	20	16,580	1	-76.2		1	98	82	24	20,705	5	-61.7		5	99	85	23	23,925	8	-53.7		8	84	87	22
NAGPUR/SONEGAON	3	966		27.0	4.4					1,427	1	20.6	4.0	1	78	298	6	3,072	1	11.6	4.4	1	59	296	2	5,796	1	-3.8	5.7	1	95	86	1	9,664	6	-27.4		6	84	98	8
		12,464	12	-48.4																																					
BHUBANESWAR	3	995		27.1	2.0					1,416	0	20.3	2.5	0	48	253	4	3,066	0	11.5	3.6	0	45	265	3	5,810	0	-2.4	6.4	1	19	201	1	9,712	0	-24.5	8.2	3	84	91	9
		12,550	0	-45.5		4	98	79	19	14,417	1	-60.7		4	95	80	25	16,837	3	-76.1		4	96	82	29	20,954	5	-59.7		6	99	91	24								
BOMBAY/SANTACRUZ	3	1,000		27.2	2.9					1,434	0	17.6	4.1	0	86	252	9	3,069	0	9.8	8.0	0	35	128	2	5,789	1	-4.6	9.0	1	27	45	1	9,644	1	-28.3	9.2	1	93	78	9
		12,417	1	-50.6		1	96	82	24	14,236	2	-64.7		2	97	83	30	16,630	5	-75.1		3	98	78	33	20,720	11	-66.2		9	98	78	25								
HYDERABAD AIRPORT	3	946		25.5	4.7					1,467	0	19.2	4.4	0	89	281	9	3,124	0	9.9	4.1	0	83	282	6	5,844	0	-3.9	8.0	0	31	324	1	9,667	0	-27.3	10.0	0	87	86	9
		12,488	0	-49.4		0	97	87	22	14,304	1	-64.3		0	97	81	31	16,699	4	-79.5		5	99	87	34																
VISHAKHAPATNAM/WALTAIR	3	996		27.1	2.4					1,409	0	20.2	4.3	0	80	277	5	3,058	0	10.3	3.5	0	75	274	4	5,815	0	-4.0	6.7	1	10	36	1	9,669	0	-26.0	8.5	4	96	91	11
		12,480	0	-47.2		6	99	84	23	14,331	4	-58.8		9	81	79	26																								
GOA/PANJIM	1	999		25.1	0.7					1,450	5	16.3	1.6					3,077	5	7.7	3.9					5,767	8	-5.0	6.1												
MADRAS/MINAMBAKKAM	3	1,001		28.8	6.3					1,451	0	20.6	5.7	0	87	283	8	3,096	0	10.7	5.6	0	87	290	8	5,823	0	-3.3	8.7	0	53	303	4	9,695	0	-25.4		1	45	111	4
		12,496	0	-48.2		1	94	87	17	14,330	0	-63.0		1	99	81	27	16,742	0	-74.6		2	99	88	35	20,931	3	-59.3		9	98	89	21								
PANAMBUR	1.	1,003		25.1	1.5					1,472	4	17.4	2.0	7	97	306	10	3,107	4	9.0	5.8	7	96	306	9	5,828	6	-4.5	7.1	9	55	281	4	9,686	7	-28.4	9.3				
		12,464	8	-50.3						14,278	8	-65.0																													
PORT BLAIR	3	997		25.7	2.2					1,473	0	18.4	3.5	0	82	226	7	3,115	0	9.8	3.9	0	68	229	5	5,839	1	-4.9	7.4	1	39	195	2	9,686	5	-29.0	8.1	5	84	81	7
		12,465	8	-50.7		8	92	68	15	14,213	12	-66.5																													
COCHIN/ERNAKULAM	1	1,008		24.9	1.1					1,483	3	16.9	1.4					3,115	3	8.2	4.8					5,830	3	-5.1	6.4					9,677	3	-29.2	8.6				
		12,447	3	-51.3						14,303	6	-65.5						16,629	9	-75.0																					
MINICOY	1	1,008		26.6	2.8					1,483	0	17.0	3.8	0	97	292	15	3,114	0	8.6	10.0	0	93	284	10	5,826	0	-5.3	9.5	0	13	254	1	9,670	0	-30.2		1	68	85	8
		12,416	1	-53.7		1	99	91	24	14,197	8	-68.4		9	99	89	34																								
TRIVANDRUM	3	1,000		25.3	1.9					1,474	0	17.1	3.0	0	91	296	13	3,108	0	9.0	7.4	0	86	285	9	5,824	0	-5.3	7.2	0	48	300	3	9,666	0	-29.7		2	91	90	10
		12,419	0	-51.6		3	96	77	23	14,235	0	-66.6		4	98	76	33	16,584	3	-75.7		6	98	84	25	20,725	4	-63.0		7	99	84	27	23,922	6	-54.0		9	99	86	33
MALAYSIA																																									
PENANG/BAYAN LEPAS	3	1,007		25.9	2.0					1,489	0	18.9	6.0	0	42	225	2	3,130	0	9.9	6.6	0	49	247	3	5,849	0	-5.5	5.0	0	41	112	2	9,665	1	-31.5	7.0	1	87	78	8
		12,398	1	-54.0		1	93	70	16	14,179	1	-68.9		1	97	71	21	16,520	1	-78.7		1	96	75	18	20,599	4	-66.5		4	98	85	22	23,836	12	-55.4		19	100	88	36
KOTA BHARU	3	1,007		25.5	2.3					1,489	0	18.7	3.4	0	60	251	3	3,129	0	9.7	4.0	0	39	255	2	5,847	0	-5.5	3.9	0	39	100	2	9,665	0	-31.8	6.1	0	88	80	8
		12,393	0	-54.1		0	94	71	15	14,177	0	-68.7		0	95	73	20	16,523	1	-77.3		3	95	75	17	20,615	11	-64.3		14	99	86	24	23,847	15	-53.9		24	100	90	40
KUALA LUMPUR/PETALING JAYA	3	1,003		24.9	2.0					1,491	0	17.5	3.2	0	44	219	2	3,129	0	8.7	4.5	0	34	221	2	5,841	0	-6.7	4.0	0	64	101	3	9,653	0	-32.3	9.3	0	91	78	9
		12,377	0	-55.4		0	93	70	15	14,149	0	-70.7		0	96	69	21	16,482	0	-76.5		0	90	74	13	20,599	1	-65.1		1	99	87	22	23,799	7	-53.7		10	99	88	36
KUANTAN	3	1,007		24.3	2.2					1,485	0	16.5	4.3	0	64	218	3	3,117	0	8.1	5.4	0	38	245	2	5,826	0	-6.7	6.3	0	54	108	3	9,630	0	-32.7	11.3	0	88	86	9
		12,346	0	-56.3		0	93	77	15	14,109	0	-71.5		1	96	75	21	16,437	0	-77.1		1	92	80	15	20,545	1	-65.0		3	99	89	19	23,741	1	-53.8		21	99	90	33
KOTA KINABALU	3	1,009		26.6	3.1					1,491	5	18.1	4.0	5	57	227	3	3,129	5	9.4	5.7	5	25	167	2	5,843	5	-6.3	4.8	5	56	101	4	9,643	5	-32.7	6.2	7	84	86	9
		12,369	5	-54.0		11	89	70	12	14,154	5	-68.0		12	92	68	15	16,500	5	-78.0		13	89	83	11	20,570	9	-65.4		19	99	83	23	23,773	20	-55.3		29	99	85	28
TAWAU	1	1,007		25.2	1.5					1,500	0	18.1	4.2	23	71	86	3	3,137	0	9.3	6.2	23	73	88	5	5,850	0	-5.7	9.8	22	91	103	7	9,664	0	-31.2	14.4	24	84	104	7
		12,403	1	-52.6		27	71	105	8	14,198	1	-66.8		27	33	112	3	16,551	1	-77.4		29	94	65	13	20,674	6	-64.6						23,898	23	-51.9					
SINGAPORE																																									
SINGAPORE/PAYA LEBAR	1	1,006		24.7	1.1					1,488	1	17.7	2.7	1	78	209	4	3,125	1	8.5	3.2	1	31	163	2	5,832	1	-6.6	3.5	1	83	93	5	9,643	1	-31.8	7.3	1	95	85	11
		12,369	2	-54.9	7.8	2	95	74	17	14,143	2	-69.7		3	96	71	22	16,486	2	-76.9		2	61	80	5	20,592	2	-65.6		2	99	90	25	23,771	2	-55.2		2	99	91	36
CHINA																																									
URUMQI	1	905		23.6	8.0					1,459	0	17.7	11.6	0	58	329	3	3,086	0	5.9	8.5	0	80	332	7	5,752	0	-11.0	10.5	0	92	298	12	9,469	1	-38.7	8.0	1	88	284	19
		12,192	1	-46.5	9.2	1	92	289	29	14,084	2	-51.4	9.6	2	94	289	25	16,673	3	-58.2	8.5	3	94	292	15	21,039	7	-55.5	8.8	6	79	74	4	24,336	12	-50.1	9.6	9	97	94	9
BEIJING	1	998		24.3	4.4					1,451	0	18.5	8.3	0	52	258	3	3,090	0	8.5	7.9	0	50	303	3	5,792	0	-6.8	11.3	0	85	274	10	9,605	0	-31.2	9.2	0	91	263	23
		12,380	0	-47.7	8.9	0	93	271	30	14,238	0	-57.4	8.9	0	94	274	26	16,745	0	-65.6	10.0	0	90	275	12	21,007	0	-58.1		0	97	91	8	24,273	0	-51.6		1		90	12
LANZHOU	1	843		17.2	4.2													3,090	0	10.5	6.5	0	50	40	2	5,818	0	-4.5	7.3	0	63	274	5	9,669	0	-28.0	7.7	0	95	265	20
		12,465	0	-47.1	7.5	0		274	28	14,316	1	-60.0	7.9	1	96	276	24	16,777	1	-70.0		2	91	282	10	20,958	7	-60.8		9		84	10	24,213	15	-52.5		9		91	15
SHANGHAI	1	1,004		28.0	3.9					1,470	0	20.7	5.3	0	86	269	6	3,124	0	11.6	7.0	0	78	260	7	5,868	0	-2.7	0.9	9	78	275	7	9,743	1	-27.3	8.0	1	56	317	5
		12,541	1	-48.2	6.6	1	69	341	9	14,302	1	-61.3	1.6	1	79	358	11	16,829	1	-71.9		1	80	46	8	20,969	2	-61.9		4		85	15	24,187	11	-53.7		9		89	19
LHASA	1	653		11.0	2.8																					5,831	0	-1.7	2.4	1	83	240	5	9,734	1	-24.9	5.4	0	67	270	4
		12,557	1	-46.0	5.6	1	57	270	4	14,412	1	-60.6	5.0	1	38	260	3	16,850	3	-73.3		3	67	50	4	20,939	6	-64.2		9		90	16	24,139	10	-56.0		9	95	90	18
TAIBEI	2	1,004		30.0	4.8					1,481	0	21.6	6.6	0	74	236	9	3,139	0	12.0		0	44	246	5	5,877	0	-3.3	9.9	0	23	123	7	9,731	0	-28.5	10.9	0	80	78	16
		12,500	0	-51.1		0	94	65	30	14,310	0	-65.1		0	92	62	33	16,695	1	-75.0		0	98	75	34	20,850	2	-50.5		0	99	89	32	24,102	5	-52.3		5	99	86	42
KUNMING	1	808		17.8	1.7													3,108	0	11.3	2.0	0	67	234	4	5,858	0	-2.3	5.0	0	40	196	2	9,748	0	-26.3	7.2	0	89	75	8
		12,558	0	-47.5	6.2	0		66	15	14,401	1	-62.3		2	90	71	18	16,807	8	-75.9		9		69	20	20,898	15	-64.2		9		86	21	24,090	19	-54.8		9		91	24
GUANGZHOU	1	1,006		27.2	2.1					1,481	0	19.5	3.8	0	67	200	6	3,133	0	11.6	6.7	0	63	231	5	5,875	1	-3.3	8.6	1	60	126	3	9,740	0	-27.7	8.9	0	90	83	9
		12,525	0	-49.2	7.3	0	94	73	15	14,356	0	-62.8		0	90	72	19	16,770	0	-75.4		0	96	71	22	20,863	4	-64.0		5		85	23	24,063	8	-54.9		9		89	25

UPPER AIR DATA

JULY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED
AUSTRALASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
INDONESIA																																									
JAKARTA/KEMAYORAN	3	1,009		26.5	3.6					1,494	3	17.6	3.4					3,131	3	9.3	6.3					5,846	3	-5.7	12.0					9,663	3	-30.7	4.9				
		2,441	5	-54.8						14,178	6	-64.7						16,478	11	-75.5						20,640	18	-64.9						23,821	27	-55.4					
SURABAYA/JUANDA	1	1,011		24.2	1.5					1,514	23	16.9	3.9	9	91	100	5	3,152	23	9.5	4.9	9		80	6	5,872	23	-5.3	3.4	9	83	70	8	9,722	23	-27.1	6.5	9	98	80	13
		2,296	23	-38.6		9	84	80	11	14,453	23	-58.6		9	85	100	12	16,840	23	-71.3		9	68	70	6																
NORTH PACIFIC																																									
LIHUE, KAUAI, HAWAII	2	1,013		24.9	4.2					1,548	0	13.8	2.4	0	97	77	7	3,167	0	7.6	18.0	0	78	86	4	5,873	0	-7.0	18.9	0	11	133	1	9,638	0	-36.2	12.5	0	78	255	7
		12,324	0	-57.2		0	83	257	13	14,101	0	-66.0		0	85	250	12	16,542	0	-69.5		0	70	134	3	20,748	0	-61.3		0	99	90	17	23,972	2	-54.3		2	100	88	23
HILO/GEN. LYMAN, HAWAII	2	1,016		21.6	3.1					1,539	0	13.4	1.9	1	80	80	4	3,155	0	7.5	16.8	1	65	91	4	5,862	0	-6.5	19.5	0	9	40	1	9,641	0	-35.3	13.9	0	72	263	8
		12,335	0	-56.9		0	80	262	13	14,110	1	-67.2		1	77	252	12	16,518	1	-72.0		1	67	136	3	20,693	2	-62.1		2	99	88	18	23,904	2	-54.6		2	100	91	24
WAKE ISLAND	2	1,013		27.9	4.1					1,536	8	17.6	3.2	8	70	123	4	3,173	8	8.9	6.8	8	58	110	3	5,882	8	-6.7	8.9	8	29	62	2	9,683	8	-32.8	9.9	8	72	26	7
		12,404	9	-55.2		9	88	21	14	14,180	9	-68.9		9	86	21	13	16,560	10	-72.4		10	91	54	8	20,737	11	-62.1		11	99	87	19	23,949	11	-54.6		11	100	90	25
GUAM, TAGUAC, MARIANA IS.	2	997		24.7	1.0					1,510	0	18.6	3.9	0	38	133	2	3,154	0	10.2	7.1	1	46	92	2	5,873	0	-6.0	9.1	1	36	88	2	9,690	3	-31.6	10.8	3	48	85	3
		12,424	3	-54.4		3	66	79	7	14,204	3	-69.3		4	79	71	10	16,544	3	-78.2		3	99	84	11	20,664	4	-63.7		5	100	89	22	23,858	5	-55.0		5	100	88	31
YAP, CAROLINE ISLANDS	1	1,008		29.2	4.2					1,505	0	18.3	3.0	1	73	100	3	3,149	0	10.2	7.2	1	86	100	5	5,871	0	-5.4	10.2	0	92	94	6	9,698	0	-30.9	13.3	0	76	73	4
		12,439	0	-53.8		0	65	72	6	14,225	0	-68.6		0	72	77	9	16,575	0	-77.4		0	97	81	10	20,709	1	-63.5		1	100	87	23	23,904	2	-55.1		2	100	90	35
TRUK, CAROLINE ISLANDS	1	1,010		29.3	5.0					1,510	0	17.6	3.1	3	90	82	5	3,150	0	9.7	6.9	1	94	80	6	5,869	0	-5.7	11.3	0	89	72	5	9,694	0	-31.1	14.6	0	41	86	3
		12,432	0	-53.9		0	37	52	4	14,218	0	-68.4		0	41	36	5	16,568	0	-78.0		0	69	48	5	20,700	1	-64.2		1	96	74	22	23,893	1	-54.7		1	97	76	35
KOROR, PALAU ISLANDS	1	1,006		28.1	3.6					1,503	0	18.1	3.9	1	66	106	3	3,146	0	9.7	5.8	0	79	99	5	5,866	0	-5.5	8.7	0	93	101	7	9,697	0	-30.6	10.1	0	77	77	5
		12,442	0	-53.3		0	66	68	6	14,232	0	-68.1		0	79	71	9	16,585	2	-76.6		2	92	84	10	20,722	3	-64.1		3	100	87	24	23,919	3	-54.8		3	100	92	37
MAJURO, MARSHALL ISLANDS	1	1,011		28.2	4.1					1,514	0	17.8	3.7	1	97	91	7	3,156	0	9.8	7.2	0	94	88	7	5,875	0	-5.7	10.8	2	80	95	5	9,694	0	-31.5	10.2	1	29	188	2
		12,430	0	-54.2		0	48	225	5	14,212	0	-68.6		0	73	249	8	16,573	0	-75.4		1	19	278	1	20,714	0	-62.8		0	100	90	24	23,923	2	-54.8		2	100	92	35
PONAPE, CAROLINE ISLANDS	1	1,005		29.0	4.8					1,498	0	17.7	2.8	0	94	97	6	3,139	0	9.7	7.6	0	97	97	6	5,858	0	-5.4	10.3	0	92	87	6	9,681	0	-31.2	12.8	1	37	87	2
		12,418	0	-54.3		1	47	39	5	14,201	0	-68.7		0	45	35	6	16,552	0	-77.2		0	44	62	3	20,684	1	-64.3		1	100	89	24	23,880	2	-55.1		2	100	91	36
SOUTH PACIFIC																																									
ATUONA, MARQUESAS ISLAND	1	1,005		28.2	5.4					1,505	0	16.0	2.5	0	81	82	5	3,136	0	9.5	7.9	0	61	78	4	5,852	0	-5.4	13.7	0	11	100	1	9,667	0	-31.5	12.9	0	67	263	7
		12,404	0	-52.8		0	86	259	14	14,201	0	-66.4		0	91	263	13	16,581	2	-75.3		3	88	266	8	20,722	6	-62.5		6	97	92	12	23,911	14	-54.4		17	99	88	23
PAGO PAGO, SAMOA	1	1,013		27.5	5.0					1,526	0	15.0	3.5	0	90	97	7	3,160	0	9.5	15.4	0	33	97	1	5,873	0	-6.5	16.7	0	17	147	1	9,669	0	-33.3	13.9	1	60	282	7
		12,387	2	-55.1		2	76	261	12	14,168	3	-68.0		3	86	266	13	16,536	4	-76.5		4	75	259	6	20,689	4	-61.5		4	97	87	7	23,901	5	-55.0		5	99	90	14
HAO, TUAMOTU IS.	1	1,014		26.4	7.2					1,517	0	13.8	4.2	0	49	71	4	3,137	0	8.3	17.7	1	21	340	1	5,839	0	-7.5	17.0	1	55	281	8	9,612	0	-34.4	11.3	7	86	257	15
		12,326	0	-54.2		8	90	255	22	14,120	0	-65.4		9	89	254	20	16,520	0	-74.1		12	94	263	11	20,700	8	-61.3		17	44	291	4	23,917	13	-54.5		23	46	98	4
TAHITI, SOCIETY IS.	1	1,014		26.7	6.9					1,520	0	14.6	4.6	0	39	48	2	3,146	0	8.9	17.9	0	25	323	2	5,856	0	-6.4	17.5	0	56	267	6	9,645	0	-33.3	12.0	0	81	261	17
		12,372	0	-53.0		3	90	262	25	14,174	0	-64.9		6	92	260	23	16,582	0	-73.1		6	86	269	11	20,784	1	-60.1		7	56	90	3	24,018	5	-52.5		10	91	95	8
NOUMEA/NOUVELLE-CALEDONIE		1,010		21.5	5.3					1,529	0	11.4	5.6	0	31	23	2	3,146	0	8.2	22.1	0	69	301	8	5,844	1	-8.0	17.3	1	83	285	14	9,607	1	-34.2	12.8	1	89	270	28
		12,334	1	-53.1		1	91	268	36	14,134	1	-65.2		1	94	270	31	16,535	1	-74.3		5	96	262	16	20,714	3	-60.3		6	60	100	3	23,942	4	-53.7		13	92	76	7
RAPA, AUSTRAL IS.	1	1,016		19.2	5.2					1,508	0	9.3	6.2	1	35	310	3	3,101	0	3.1	14.8	1	65	291	7	5,756	1	-12.3	12.8	4	76	279	12	9,453	2	-38.6	7.3	5	83	265	20
		12,160	4	-53.5		9	92	260	27	13,981	5	-58.9		9	95	265	31	16,483	8	-64.4		12	92	269	17	20,777	13	-57.7		17	54	240	4	24,030	19	-53.0		24	55	105	4

UPPER AIR DATA LATE REPORTS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB								850 MB 150 MB								700 MB 100 MB								500 MB 50 MB								300 MB 30 MB							
			TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND			
		HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
JANUARY 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																																									
ADJACENT ISLANDS																																									
JULIANA AP, ST. MAARTEN	2	1,016		25.7	3.5					1,538	3	14.0	5.0	3	86	95	7	3,156	3	7.0	14.3	3	66	72	4	5,850	4	-7.9	16.7	5	49	12	4	9,613	4	-35.8	14.1	5	68	323	11
		12,317	6	-54.7		8	84	304	16	14,112	8	-64.5		9	89	307	16	16,524	8	-75.1		11	85	332	10	20,609	9	-63.6		13	78	81	5	23,821	13	-54.7		13	95	100	9
AFRICA																																									
ZIMBABWE																																									
BULAWAYO/GOETZ OBS	1	865		19.9	7.0					1,494	0	20.6	9.0	0	80	104	6	3,145	0	10.8	11.8	0	69	142	6	5,857	0	-6.7	16.4	0	87	141	7	9,661	0	-32.2	19.7	0	29	194	2
		12,391	0	-54.2	17.4	0	20	360	2	14,174	0	-68.4		0	36	21	4	16,520	0	-80.7		1	84	60	8					4	96	104	13								
SALISBURY/BELVEDERE	1	853		18.9	5.2					1,495	1	18.7	5.3	0	57	90	2	3,142	0	10.0	5.5	0	73	120	4	5,861	0	-5.2	15.5	0	86	138	6	9,681	1	-30.8	14.6	0	27	180	2
		12,426	3	-52.8	15.4	1	38	31	3	14,221	7	-67.4		2	59	48	7	16,572	10	-81.2		2	87	70	10					16	96	97	12								
FEBRUARY 1984																																									
NORTH AMERICA																																									
ADJACENT ISLANDS																																									
JULIANA AP, ST. MAARTEN	2	1,015		25.3	3.6					1,529	1	13.0	4.3	1	96	96	8	3,147	1	7.4	14.2	1	75	75	4	5,847	1	-7.7	17.1	2	70	330	4	9,625	2	-34.3	14.3	4	95	297	17
		12,337	5	-54.8		6	97	289	27	14,126	5	-65.8		7	96	288	21	16,526	5	-75.7		7	96	300	16	20,594	6	-63.2		9	50	339	2	23,782	7	-56.2		7	57	100	3
AFRICA																																									
ZIMBABWE																																									
BULAWAYO/GOETZ OBS	1	866		18.6	4.8					1,496	0	19.4	6.6	0	81	108	7	3,142	0	10.5	10.7	0	71	119	5	5,859	0	-6.1	15.3	0	80	132	6	9,667	0	-32.0	18.0	0	27	225	2
		12,399	0	-54.2	17.2	0	31	304	2	14,184	0	-68.0		0	46	351	3	16,533	0	-80.5		0	77	66	5	20,551	8	-65.9		8	96	96	14	23,722	9	-56.8		10	98	93	23
SALISBURY/BELVEDERE	1	853		18.2	2.8					1,496	0	18.1	3.0	0	83	90	3	3,142	0	9.9	4.5	0	73	120	4	5,867	0	-4.9	10.9	0	75	122	5	9,698	2	-30.6	14.8	1	30	108	2
		12,442	5	-53.2	15.0	2	45	11	3	14,234	7	-67.8		2	63	45	5	16,581	8	-81.2		2	84	79	8					10	92	90	12								
MARCH 1984																																									
NORTH AMERICA																																									
ADJACENT ISLANDS																																									
KINGSTON/NORMAN MANLEY, JAM.	2	1,013		24.5	5.0					1,519	0	14.8	3.2	0	92	101	7	3,143	0	7.7	13.7	0	60	67	3	5,849	0	-6.5	18.7	1	83	281	6	9,632	0	-34.3	13.6	1	93	276	17
		12,342	0	-55.5		0	96	265	22	14,122	1	-67.6		1	95	269	18	16,494	1	-78.7		1	88	277	13	20,478	1	-66.9		2	34	325	1	23,653	2	-56.8		4	94	78	7
JULIANA AP, ST. MAARTEN	2	1,015		25.6	3.3					1,534	3	13.5	3.9	4	92	100	6	3,151	3	7.9	19.6	6	64	77	3	5,856	4	-6.5	19.0	7	55	327	4	9,644	5	-33.7	14.9	6	83	295	16
		12,364	8	-54.7		11	85	280	20	14,153	8	-66.6		14	91	288	17	16,547	9	-76.4		15	81	300	9	20,565	11	-64.8		17	40	6	2	23,759	14	-56.1		18	90	88	6
AFRICA																																									
ZIMBABWE																																									
BULAWAYO/GOETZ OBS	1	868		18.5	4.7					1,523	0	18.4	5.9	0	93	102	7	3,165	0	9.5	7.5	0	54	106	4	5,874	0	-6.2	15.0	0	30	109	2	9,674	0	-33.3	16.0	0	29	270	2
		12,391	0	-55.4	15.8	0	71	262	9	14,165	1	-69.6		0	72	260	9	16,501	2	-80.6		0	40	261	3																
SALISBURY/BELVEDERE	1	856		17.7	2.1					1,524	0	17.6	2.2	0	75	59	3	3,166	0	9.7	4.6	0	69	102	5	5,888	0	-5.3	9.7	0	50	101	3	9,705	0	-31.8	15.5	0	36	180	2
		12,436	2	-54.8	18.3	0	44	225	4	14,213	4	-69.3		0	42	219	4	16,549	4	-81.2		0	46	225	3	20,544	6	-68.4		6	100	90	11					9	100	97	20
APRIL 1984																																									
NORTH AMERICA																																									
ADJACENT ISLANDS																																									
JULIANA AP, ST. MAARTEN	2	1,015		26.8	4.7					1,534	7	14.0	5.5	8	87	114	6	3,158	7	9.4	21.3	8	49	115	2	5,874	7	-6.2	19.5	8	27	297	2	9,668	8	-33.1	14.7	10	85	300	12
		12,393	9	-54.4		9	91	296	18	14,184	9	-66.9		10	92	287	16	16,566	10	-77.3		10	76	285	8	20,641	10	-61.7		10	76	73	3	23,864	10	-53.8		10	98	98	9
SOUTH AMERICA																																									
ANTARCTICA																																									
MAWSON	1	986		-13.8	6.1					1,136	0	-19.0	6.1	0	49	112	3	2,568	0	-23.0	8.1	0	56	248	5	4,970	0	-36.1	7.0	1	83	266	12	8,363	0	-54.4		0	79	276	15
		10,975	0	-51.8		0	90	280	15	12,835	2	-52.5		0	90	277	15	15,439	2	-54.8		1	91	274	17	19,828	4	-58.3		6	95	279	21	23,021	7	-59.7		9	96	277	25
DAVIS	1	984		-10.9	4.6					1,135	2	-15.9	1.7	7	71	42	5	2,580	2	-22.5	4.0	6	28	13	2	4,974	2	-36.5	5.3	6	55	307	9	8,366	2	-54.9			74	301	15
		10,960	2	-53.1			73	289	13	12,810	2	-54.2			76	275	12	15,395	2	-56.4			83	275	15	19,571	2	-50.2						22,929	5	-62.1					
CASEY	1	987		-9.6	5.2					1,165	0	-12.9	5.0	2	43	50	3	2,631	0	-18.4	5.0	2	24	9	2	5,074	0	-32.3	3.5	0	27	329	3	8,499	0	-54.7		0	44	298	10
		10,760	0	-55.4		0	77	282	15	12,915	0	-54.8		1	89	281	15	15,502	0	-55.6		2	96	279	17	19,908	3	-57.6		9	98	282	22								

UPPER AIR DATA LATE REPORTS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED
APRIL 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
AFRICA																																											
ZIMBABWE																																											
BULAWAYO/GOETZ OBS	1	870		15.1	3.5					1,538	0	16.0	6.5	0	94	110	9	3,168	0	7.8	11.4	0	10	225	1	5,867	0	-7.1	22.2	0	69	252	5	9,643	0	-34.5	20.8	0	90	268	14
		12,362	0	-54.2	19.1	0	93	261	20	14,151	0	-66.9		0	91	266	16	16,479	0	-78.4		0	91	276	11	20,560	1	-65.4		2	87	90	7	23,763	2	-54.3		3	100	91	14
SALISBURY/BELVEDERE	1	857		16.4	4.3					1,539	0	16.3	4.5	1	83	68	3	3,173	0	7.9	6.0	1	36	117	2	5,889	0	-5.6	24.7	1	36	225	2	9,690	2	-32.6	22.9	1	80	270	10
		12,419	3	-53.7	19.4	1	90	254	13	14,214	4	-66.9		3	80	259	10	16,579	7	-78.7		7	82	295	7	20,596	12	-65.8													
AUSTRALASIA																																											
AUSTRALIA WESTERN																																											
BROOME	1													2	78	80	5					3	57	89	4					2	51	256	4					4	69	255	11
						3	73	265	16					3	82	269	16					4	83	265	13					19	95	98	8								
PORT HEDLAND	1	1,012		22.6	5.8					1,526	0	19.1	14.4	0	59	62	4	3,155	0	6.3	11.2	1	51	55	4	5,850	0	-7.0	19.2	0	66	254	7	9,641	0	-32.7		0	74	256	17
		12,367	0	-53.9		0	77	265	22	14,155	0	-66.9		1	83	265	21	16,518	0	-78.3		1	83	270	15	20,620	2	-61.5		4	88	89	7	23,859	13	-52.9		16	99	85	14
CARNARVON	1	1,013		19.5	4.3					1,525	5	16.5	11.8	0	30	318	2	3,147	5	6.8	15.2	0	62	297	4	5,822	5	-9.6		0	81	263	10	9,575	5	-35.1		1	87	265	24
		12,281	5	-54.7		1	87	267	31	14,070	5	-66.5		1	91	269	29	16,460	5	-74.9		2	89	266	16	20,600	6	-61.1		8	70	92	3	23,847	17	-51.8		15	94	80	7
PERTH AIRPORT	1	1,016		15.6	4.9					1,521	0	11.3	8.4	0	31	336	2	3,117	0	2.9	12.7	0	45	296	5	5,757	0	-13.7	12.6	0	55	277	9	9,431	1	-40.9		0	69	278	17
		12,096	2	-56.2		0	86	266	29	13,894	2	-63.1		0	88	269	28	16,348	3	-68.1		0	90	271	18	20,570	5	-60.4		5	54	239	3								
ALBANY M.O.	1													0	30	330	3					1	31	301	4					0	51	284	8					1	58	273	15
						6	74	259	25					10	91	269	26					14	88	266	16																
GILES	1	950		21.0	14.8					1,551	0	16.0	13.8	0	36	55	2	3,169	0	5.8	15.1	2	45	249	3	5,841	0	-9.9		0	78	264	9	9,585	1	-36.2		0	88	265	23
		12,285	1	-54.5		1	88	270	31	14,075	1	-65.7		1	91	272	28	16,475	1	-74.3		2	93	270	12	20,624	2	-60.7		7	91	84	7	23,878	10	-51.6		20	97	78	9
KALGOORLIE	1	978		13.9	5.1					1,542	0	11.5	9.0	2	46	345	4	3,143	0	3.8	14.1	6	51	294	5	5,787	0	-13.2		10	78	268	10	9,479	0	-39.5		13	77	269	17
		12,153	0	-55.1		16	88	267	27	13,953	0	-63.6		17	93	267	30	16,405	0	-68.3		20	95	272	17	20,633	4	-59.8						23,887	9	-50.9					
FORREST	1													0	4	59	**					0	35	274	3					0	72	272	9					1	85	268	18
						1	89	258	30					1	90	259	29					1	90	263	17																
AUSTRALIA NORTHEASTERN																																											
WILLIS ISLAND	1	1,011		27.5	4.8					1,515	0	16.5	3.8	0	60	123	5	3,152	0	10.2	13.3	0	20	246	1	5,872	0	-5.0	24.2	0	60	274	3	9,685	0	-30.5		0	76	281	44
		12,419	0	-54.1		0	85	268	13	14,200	0	-68.8		0	83	284	11	16,533	1	-81.7		1	76	292	9	20,599	2	-62.4		3	95	91	9	23,827	4	-52.9		9	98	90	18
DARWIN AIRPORT	1	1,008		25.9	5.0					1,515	0	17.6	6.6	0	96	108	10	3,149	0	10.2	14.4	0	66	104	4	5,869	0	-5.0	14.7	0	25	123	2	9,700	0	-30.2		0	34	276	3
		12,443	0	-53.4		0	60	308	6	14,231	0	-68.4		0	71	298	7	16,566	0	-82.3		1	41	266	3	20,613	2	-63.7		2	91	85	8	23,809	16	-55.0		18	99	93	23
ALICE SPRINGS	1	956		18.4	9.9					1,547	0	13.9	9.7	0	61	103	6	3,163	0	5.7	13.7	0	40	217	3	5,841	0	-9.1		0	78	245	8	9,593	0	-35.5		0	84	260	20
		12,296	0	-54.6		0	85	270	31	14,084	0	-66.9		0	89	273	30	16,466	0	-75.8		0	94	271	18	20,597	2	-61.4		0	78	102	4	23,834	15	-51.7		14	97	87	11
MT. ISA M.O.	1	977		24.1	12.2					1,541	6	16.3	10.6	0	74	100	6	3,159	6	6.9	16.2	0	72	161	4	5,859	6	-7.3		0	81	245	7	9,646	6	-33.3		0	83	276	18
		12,364	7	-54.1		0	93	277	25	14,150	7	-67.1		4	95	274	22	16,520	7	-77.7		11	86	269	11	20,623	10	-61.3		15	91	93	7	23,861	12	-53.3		18	98	92	13
CHARLEVILLE	1	984		21.5	10.5					1,547	0	12.6	9.4	3	43	108	2	3,149	0	3.7	12.6	1	38	161	3	5,810	0	-10.6		0	74	262	8	9,547	0	-36.3		1	90	272	25
		12,252	0	-53.9		1	94	275	39	14,050	0	-65.0		1	96	276	36	16,463	0	-72.0		1	97	272	21	20,646	1	-59.7		3	72	64	3	23,908	20	-51.2		17	91	76	6
TOWNSVILLE	1	1,015		25.7	7.9					1,529	1	14.5	5.0	0	81	106	8	3,150	1	9.0	19.9	0	9	190	1	5,861	1	-6.0		0	87	268	7	9,663	1	-32.1		0	87	278	15
		12,393	1	-53.8		1	89	278	22	14,179	1	-68.0		3	93	281	21	16,527	1	-79.8		3	94	275	12	20,625	5	-61.9		8	92	96	8	23,866	13	-51.9		16	98	83	12
BRISBANE AIRPORT	1	1,018		21.1	5.6					1,538	0	10.2	4.7	0	72	117	6	3,135	0	13.7	13.0	0	26	131	2	5,796	0	-11.3		0	67	264	8	9,512	0	-37.1		0	91	275	25
		12,209	1	-54.2		0	96	274	39	14,004	1	-65.0		0	97	277	39	16,428	1	-71.7		0	96	273	24	20,620	6	-59.6		3	47	71	2	23,879	15	-51.4		15	92	82	6
AUSTRALIA SOUTHEASTERN																																											
WOOMERA	1	1,002		17.0	8.0					1,556	1	10.7	11.1	0	10	191	1	3,149	1	1.9		0	29	226	2	5,785	1	-14.0		2	63	259	7	9,465	1	-40.3		7	81	257	17
		12,126	1	-55.5		8	85	251	24	13,936	1	-61.7		9	93	260	26	16,404	2	-67.3		9	96	266	16	20,652	3	-58.3		10	36	83	1	23,921	11	-51.0		16	28	33	1
COBAR M.O.	1	990		15.5	4.9					1,549	0	11.0	11.4	0	11	55	1	3,141	0	2.0	14.5	0	31	253	2	5,779	0	-14.0		0	51	260	6	9,450	0	-41.1		1	70	267	14
		12,104	0	-55.6		3	87	267	24	13,907	0	-62.0		5	95	273	29	16,371	1	-67.1		6	96	269	20	20,617	4	-58.8		10	39	279	1	23,874	12	-51.4		16	33	30	1
ADELAIDE AIRPORT	1	1,022		15.8	5.9					1,547	0	8.9	11.3	1	30	264	2	3,132	0	10.3	15.4	1	38	253	3	5,759	0	-15.1	15.4	2	44	247	5	9,414	0	-41.9		2	59	264	11
		12,061	0	-56.3		4	68	256	15	13,866	0	-60.7		4	87	260	19	16,362	0	-64.5		5	93	264	14	20,640	6	-58.7		9	51	259	2	23,900	7	-51.7		10	61	296	3
MT. GAMBIER M.O.	1	1,013		14.2	4.7					1,537	0	7.9	12.5	0	45	257	4	3,116	0	0.4	16.2	0	56	266	6	5,731	0	-16.3		0	57	262	8	9,366	0	-43.7		0	58	259	11
		11,991	0	-57.8		0	70	265	16	13,794	0	-59.9		0	84	266	18	16,311	0	-62.2		1	89	269	13	20,631	4	-56.7		6	72	268	4	23,903	18	-51.0		20	69	271	3
LAVERTON AIRPORT	1	1,019		13.3	3.8					1,533	0	7.9	12.7	0	47	252	4	3,111	0	0.0	17.4	0	52	251	6	5,726	0	-16.6		0	61	260	9	9,357	0	-44.1		0	60	258	12
		11,978	0	-57.8		1	72	265	17	13,785	0	-59.8		3	82	266	17	16,297	0	-62.2		4	90	266	13	20,618	5	-57.5		11	73	287	4	23,881	13	-51.9		15	76	298	4
WILLIAMTOWN	1	1,020		17.2	2.6					1,544	0	8.8	7.1	1	7	201	1	3,127	0	0.9	12.8	0	17	198	1	5,755	0	-14.9	15.7	0	48	257	5	9,415	0	-41.9		2	71	274	14
		12,051	0	-57.6		1	85	277	24	13,849	0	-61.8		1	94	279	27	16,320	0	-66.5		0	95	274	19	20,574	6	-58.8		6	53	286	3								
HOBART AIRPORT	1	1,017		12.5	5.0					1,489	1	5.4	7.4	0	76	258	9	3,057	1	1.7	14.1	0	77	260	11	5,653	1	-18.0	12.6	1	72	260	13	9,263	1	-45.8		4	67	275	15
		11,863	1	-59.3		4	70	272	18	13,662	1	-59.2		4	84	272	17	16,195	3	-60.5		5	92	270	14	20,547	11	-57.0		12	86	277	7								
SOUTH PACIFIC																																											
HONIARA	1	1,004		28.1	4.2					1,516	1	18.9	5.6	0	40	78	2	3,161	1	10.5	7.3	1	43	58	2	5,885	1	-4.8	7.8	2	64	71	4	9,722	1	-29.8		2	55	95	3
		12,473	1	-53.2		1	57	118	5	14,260	1	-68.1		1	55	142	5	16,597	1	-81.7		1	31	127	2	20,629	2	-63.9		3	70	87	5	23,826	5	-54.1		7	98	88	22
NORFOLK ISLAND	1	1,005		20.1	4.6					1,522	0	8.8	3.9	0	47	149	4	3,116	0	3.9	18.9	0	44	233	3	5,773	0	-12.1		2	86	263	10	9,474	0	-38.4		5	96	265	28
		12,161	0	-54.1		6	98	264	41	13,975	1	-63.6		9	99	262	37	16,413	1	-69.8		11	98	259	19	20,624	1	-59.0		13	12	189	0	23,886	11	-50.9		20	73	71	3
LORD HOWE ISLAND	1	1,015		20.9	5.0					1,545	1	9.1	4.9	4	29	160	2	3,134	1	2.4	16.8	7	24	252	2	5,778	1	-13.1		7	75	271	7	9,463	1	-40.4		8	84	277	16
		12,120	2	-55.2		8	96	280	31	13,927	2	-61.6		9	97	278	31	16,400	3	-66.4		12	96	276	19	20,660	16	-67.9													
MACQUARIE ISLAND	1	996		5.2	5.1					1,273	0	-3.7	2.2	1	82	273	15	2,788	0	-11.3	6.9	0	84	268	19	5,300	0	-25.5	9.3	0	82	268	25	8,813	1	-48.4		2	81	266	33
		11,433	1	-54.5		3	86	267	31	13,280	1	-53.5		5	87	268	25	15,887	2	-54.3		7	94	274	21	20,342	7	-53.8			96	276	15	23,637	14	-53.1			96	272	15
COCOS ISLAND AP	1	1,009		26.4	2.3					1,502	0	17.9	2.7	0	93	91	7	3,144	0	9.9	6.9	0	76	82	5	5,863	0	-5.2	11.4	0	57	73	4	9,681	0	-31.2		0	27	42	2
		12,415	0	-54.5		0	21	313	2	14,192	0	-69.5		1	17	25	2	16,519	3	-82.4		4	15	262	1	20,548	6	-65.0		7	90	87	8	23,730	9	-56.2		10	99	96	23

UPPER AIR DATA LATE REPORTS

STATION	TIME OF OBSERVATIONS	SURFACE: 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED
MAY 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																																									
MEXICO-NORTHERN																																									
ISLA GUADALUPE, B.C.	2	1,013		15.3	2.0					1,519	1	19.2	23.1	1	50	329	3	3,161	1	10.4	21.4	1	31	272	2	5,867	1	-9.0	17.5	1	41	279	3	9,597	1	-38.4	13.3	1	52	273	7
		12,264	1	-57.8		1	84	271	14	14,045	1	-64.5		1	94	263	14	16,497	2	-69.9		2	89	276	9	20,673	6	-60.8		6	76	74	4	23,910	6	-53.1		6	85	70	6
CHIHUAHUA UNIV. DE	2	858		15.5	10.3					1,503	0	18.1	15.7	2	33	301	1	3,147	0	9.8	15.1	1	13	278	1	5,838	1	-10.2	13.1	2	24	330	2	9,565	0	-38.1	11.6	0	51	281	5
		12,237	0	-57.5		1	68	273	11	14,023	1	-64.2		3	90	278	13	16,484	4	-68.4		5	86	287	10	20,689	15	-59.7		16	81	86	4	23,946	16	-52.0		16	97	77	7
GUATEMALA																																									
GUATEMALA/LA AURORA AP	2	852		16.1	1.0					1,517	1	15.9	1.5	3	70	25	1	3,150	1	7.9	4.4	3	52	89	1	5,858	1	-6.6	10.0	3	29	188	1	9,663	1	-32.3	11.8	3	56	235	3
		12,389	1	-54.8		6	80	246	7	14,173	5	-68.0		6	89	264	8	16,536	6	-77.1		7	40	262	2	20,629	7	-62.2		8	94	90	8	23,851	8	-54.6		10	100	88	21
ADJACENT ISLANDS																																									
ST GEORGE,BERMUDA	2	1,017		21.2	4.0					1,553	1	12.0	9.2	1	62	263	5	3,158	1	4.6	15.3	2	67	273	6	5,825	1	-10.7	17.6	2	59	274	7	9,555	1	-37.1	12.6	2	60	280	10
		12,240	1	-56.0		2	59	291	11	14,036	1	-62.2		5	76	289	13	16,550	4	-61.7		5	84	282	9	20,903	8	-54.1		13	38	83	2	24,278	20	-46.7					
JULIANA AP, ST. MAARTEN	2	1,016		27.4	3.3					1,542	2	14.7	3.8	2	96	106	7	3,165	3	8.3	14.6	3	59	106	2	5,864	3	-7.8	15.0	3	49	315	3	9,648	3	-33.8	13.4	4	95	293	17
		12,363	3	-55.0		4	95	289	23	14,150	3	-66.8		4	96	288	23	16,542	3	-74.0		4	98	285	13	20,692	3	-60.7		5	97	101	7	23,928	3	-53.4		4	99	103	15
AFRICA																																									
CENTRAL AFRICAN REP																																									
BANGUI		968		28.2	22.4					1,507	3	20.6	14.3	3	68	169	7	3,160	3	10.6	5.1	3	93	80	20	5,876	3	-6.1	9.1					9,361	4	-29.0	35.1				
		12,015	4	-50.6						14,255	4	-67.1						16,627		-77.4						20,687	7	-61.1													
ZIMBABWE																																									
BULAWAYO/GOETZ OBS	1	871		12.4	5.1					1,542	1	15.4	10.3	1	81	108	7	3,165	1	5.9	12.6	1	20	360	1	5,840	1	-9.1	28.3	1	43	239	3	9,592	1	-34.7	36.2	1	93	268	20
		12,315	1	-52.9	20.4	1	97	269	29	14,117	1	-65.6		1	98	271	28	16,507	1	-76.1		1	93	278	14	20,583	1	-64.7		3	55	51	3	23,781	1	-54.6		3	100	105	10
SALISBURY/BELVEDERE	1	858		14.0	5.2					1,545	0	14.2	5.7	0	83	79	3	3,170	0	6.5	6.5	0	56	90	3	5,861	0	-6.8	26.1	0	29	236	2	9,655	0	-32.4	25.8	1	89	263	17
		12,399	1	-52.3	20.8	2	89	271	21	14,200	2	-66.0		2	93	270	22	16,580	4	-77.1		2	88	278	11	20,655	6	-64.9		16	69	63	5	23,844	11	-54.6					
AUSTRALASIA																																									
NORTH PACIFIC																																									
MIDWAY ISLAND	2	1,018		23.8	4.2					1,553	0	14.3	4.7	2	81	239	4	3,174	0	6.8	11.0	2	84	252	6	5,860	1	-8.6	12.7	2	91	267	8	9,626	1	-35.4	12.0	1	74	285	9
		12,315	1	-57.5		1	79	298	12	14,081	1	-68.7		1	84	295	13	16,491	5	-72.2		5	92	287	11	20,646	14	-61.2		14	62	73	3	23,875	14	-53.9		16	92	86	5
JUNE 1984																																									
NORTH AMERICA																																									
MEXICO-NORTHERN																																									
ISLA GUADALUPE, B.C.	2	1,012		15.6	1.9					1,512	1	18.4	20.3	1	72	309	4	3,152	1	10.2	17.9	1	63	260	4	5,863	1	-7.4	16.6	1	72	255	6	9,629	1	-35.8	14.5	1	67	251	10
		12,331	1	-54.6		1	71	253	13	14,126	1	-64.8		1	77	252	12	16,559	1	-70.3		2	65	256	6	20,766	4	-59.6		4	95	87	8	24,016	8	-53.0		8	98	81	11
EMPALME	2	1,009		24.1	3.5					1,509	0	20.2	12.0	0	71	181	3	3,156	0	10.0	11.4	0	47	223	2	5,865	0	-7.3	13.0	0	55	251	4	9,649	0	-34.1	11.8	0	58	239	7
		12,363	0	-54.6		0	59	239	10	14,154	0	-66.1		0	68	244	10	16,573	2	-71.0		3	42	240	4	20,772	4	-59.8		4	97	95	10	24,022	4	-52.8		4	99	88	13
MAZATLAN CARRASCO	2	1,010		25.7	2.6					1,507	0	19.0	5.9	2	4	153	**	3,153	0	10.2	9.1	2	14	167	1	5,868	1	-6.6	8.6	2	13	95	1	9,673	0	-32.6	11.4	2	15	335	1
		12,398	1	-54.3		2	49	286	7	14,189	2	-66.6		4	39	261	6	16,580	4	-74.2		9	4	259	**	20,738	9	-61.1		10	97	86	12	23,974	9	-53.2		11	99	81	16
MONTERREY AEROP. INTL	2	961		22.1	1.3					1,516	0	17.9	4.4	1	89	143	8	3,162	0	11.1	13.5	0	39	164	1	5,877	0	-7.0	13.6	0	39	43	2	9,671	0	-33.2	13.5	0	40	360	4
		12,390	3	-54.4		3	25	341	4	14,184	4	-66.0		4	23	320	4	16,593	6	-72.2		6	55	63	5	20,779	6	-60.1		6	93	91	10	24,031	6	-51.8		6	98	86	14
CHIHUAHUA UNIV. DE	2	857		18.4	6.6					1,502	1	19.2	7.9	2	63	235	1	3,152	1	10.7	7.9	2	30	184	1	5,864	1	-7.4	7.1	2	26	288	1	9,651	1	-33.7	9.2	1	51	228	4
		12,359	4	-55.0		8	55	268	7	14,153	10	-65.2		10	73	260	9	16,582	11	-71.1		11	12	209	1	20,785	14	-59.4		15	97	95	9	24,041	16	-52.8		16	99	90	12
MEXICO-SOUTHERN																																									
MANZANILLO	2	1,011		26.2	2.6					1,515	0	18.2	3.7	1	66	129	3	3,155	0	8.8	3.9	1	63	114	3	5,867	1	-6.2	9.2	2	48	122	2	9,680	1	-31.6	12.4	1	30	310	3
		12,414	1	-54.4		1	48	292	5	14,197	1	-68.3		1	36	284	4	16,568	4	-74.8		4	38	82	3	20,713	4	-61.5		4	99	92	13	23,934	7	-54.4		7	99	92	21
MERIDA AEROP. INTL.	2	1,013		23.2	0.5					1,537	0	17.8	7.0	2	94	121	6	3,174	0	9.0	8.3	0	76	122	4	5,882	0	-6.9	9.2	0	24	121	1	9,684	0	-32.2	10.9	0	62	253	5
		12,416	1	-54.2		1	70	260	9	14,205	1	-67.1		1	59	266	7	16,601	1	-72.7		1	53	57	4	20,778	1	-60.9		1	99	84	14	24,018	2	-52.3		2	99	88	19
MEXICO CITY INT.AP, D.F.	2	782		13.4	4.7													3,157	0	8.8	2.7	0	60	196	2	5,866	0	-7.0	7.2	0	56	83	2	9,669	1	-32.5	10.4	2	58	283	5
		12,396	2	-54.8		3	61	289	8	14,172	3	-68.7		3	46	297	7	16,549	8	-74.9		9	62	69	5	20,707	13	-61.6		14	99	83	14	23,939	14	-52.6		14	100	90	21
GUATEMALA																																									
GUATEMALA/LA AURORA AP	2	853		16.1	0.9					1,521	1	16.0	1.0	1	96	12	3	3,154	1	8.1	3.9	1	78	101	4	5,863	1	-6.5	7.9	1	49	115	3	9,674	1	-31.7	11.3	3	16	55	1
		12,407	3	-54.3		4	31	268	2	14,193	6	-68.1		7	53	302	4	16,557	11	-75.5		11	77	68	5	20,693	11	-61.4		11	99	86	17	23,910	11	-54.4		11	100	91	29
ADJACENT ISLANDS																																									
ST GEORGE,BERMUDA	2	1,016		22.8	4.2					1,549	0	14.1	10.1	0	45	264	3	3,167	0	6.5	14.3	0	49	275	4	5,851	0	-8.9	16.0	0	53	283	5	9,616	1	-35.1	11.7	1	46	295	7
		12,314	2	-55.9		2	44	296	9	14,111	3	-62.0		3	45	312	7	16,598	5	-63.6		5	33	295	2	20,912	10	-55.8		12	98	101	8	24,189	20	-48.1					
JULIANA AP, ST. MAARTEN	2	1,015		27.8	4.7					1,547	7	16.0	3.8	7	94	110	7	3,181	8	8.7	10.8	8	88	118	5	5,886	7	-6.6	13.4	7	23	314	1	9,678	8	-33.7	11.5	9	71	279	6
		12,391	8	-55.6		8	73	296	9	14,171	8	-67.6		8	81	292	11	16,574	8	-72.8		9	76	291	5	20,738	9	-62.4		9	99	102	14	23,953	10	-54.3		10	99	99	21

UPPER AIR DATA LATE REPORTS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
JUNE 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
EUROPE																																									
NORWAY																																									
BJORNOYA	3	1,009		2.8	1.7					1,395	0	-1.7	6.4	0	33	275	3	2,917	0	-8.4	8.1	0	38	270	4	5,459	0	-23.5	7.7	0	34	260	5	8,856	0	-46.9		0	29	245	6
		1,695	0	-44.6		0	38	250	5	3,626	2	-44.2		0	43	250	4	6,857	2	-44.8		0	28	235	2	20,993	5	-42.8		0	63	75	3	24,449	7	-41.4		0	83	110	5
JAN MAYEN	3	1,013		2.7	2.5					1,427	0	0.1	8.5	0	9	318	1	2,962	0	-7.1	10.2	0	36	297	3	5,512	0	-22.4	10.8	0	51	299	7	9,066	0	-47.7	10.9	0	60	291	11
		1,737	0	-46.2	28.0	0	57	281	7	3,653	0	-45.5	32.0	1	63	285	5	6,351	0	-46.4	32.3	0	47	287	3	20,968	1	-44.4	33.3	1	56	69	2	24,402	1	-42.5	34.5	2	92	95	6
BODO	3	1,011		9.9	2.3					1,430	0	1.9	4.3	0	33	233	3	2,970	0	-7.2	5.8	0	35	267	3	5,428	0	-22.4	8.0	0	21	278	3	9,073	0	-48.1		0	19	304	3
		1,747	0	-45.5		0	26	292	3	3,668	0	-45.4		0	23	300	2	6,364	0	-46.5		0	8	307	1	20,980	0	-43.9		0	90	274	5	24,415	0	-42.9		0	86	268	7
ORLAND	3	1,010		11.0	3.2					1,439	0	-0.3	3.2	0	42	280	3	2,982	0	-6.3	5.2	0	30	280	3	5,544	0	-21.5	6.1	0	34	310	4	9,111	0	-47.1		0	41	305	7
		1,780	0	-47.2		0	50	310	6	3,693	0	-46.1		0	44	310	4	6,380	0	-47.5		0	35	330	2	20,972	0	-45.8		0	61	70	3	24,384	0	-44.0		0	96	80	7
STAVANGER/SOLA	3	1,008		12.8	3.9					1,421	0	5.0	5.2	0	26	320	3	3,004	0	-3.9	6.9	0	74	292	8	5,575	0	-19.9	8.9	0	50	312	8	9,172	0	-46.0		0	54	300	13
		1,836	0	-49.5		0	61	305	11	3,727	0	-48.3		0	54	310	7	6,385	0	-48.7		0	50	315	4	20,934	0	-48.2		1	61	72	3	24,315	1	-45.6		2	90	84	6
OSLO/GARDERMOEN	3	986		13.2	5.4					1,435	0	4.8	5.5	0	31	330	3	2,990	0	-5.1	6.1	0	21	356	2	5,559	0	-20.6	8.6	0	31	323	4	9,222	0	-46.4		0	47	305	10
		1,807	0	-47.6		0	62	306	9	3,711	0	-48.0		0	49	311	5	6,385	0	-48.7		0	41	318	3	20,957	0	-53.6		0	72	78	4	24,355	0	-44.8		0	90	81	7
GERMAN DEMOCRATIC REP																																									
GREIFSWALD	1	1,012		12.0	1.9					1,448	0	4.9	3.0	0	59	283	6	3,009	0	-3.2	6.8	0	53	297	6	5,594	0	-19.3	5.9	0	54	296	9	9,200	2	-45.1	5.4	0	54	305	13
		1,857	4	-51.4	6.5	0	57	302	11	3,728	4	-50.8	7.9	0	59	295	7	6,363	5	-52.1	8.6	0	57	296	4	20,848	6	-51.4		0	64	97	2	24,182	6	-49.0		0	92	92	6
LINDENBERG	1	1,000		12.8	2.9					1,467	1	4.9	3.0	0	68	280	7	3,028	1	-3.4	5.4	0	68	284	8	5,613	1	-19.1	6.6	0	61	291	10	9,214	1	-45.7	5.0	0	57	304	15
		1,858	1	-52.0	6.3	0	64	295	12	3,728	1	-51.1	7.7	0	66	292	9	6,356	1	-52.4	8.2	0	64	283	5	20,841	2	-51.6		0	36	93	2	24,175	8	-49.2		2	77	89	6
MEININGEN	1	963		11.0	3.3					1,486	0	5.7	3.6	0	68	286	6	3,052	0	-2.4	6.4	0	69	288	8	5,643	0	-18.8	6.1	0	64	295	11	9,250	0	-45.4	4.9	0	53	302	13
		1,882	0	-53.6	5.7	0	53	293	10	3,736	0	-53.1	6.8	0	61	287	9	6,343	1	-53.8	7.7	0	51	289	4	20,801	4	-52.2		0	57	90	3	24,110	9	-49.6		0	92	90	6
AUSTRIA																																									
WIEN/HOHE-WARTE	3	993		17.3	8.2					1,505	0	7.9	5.6	0	67	288	12	3,075	0	-2.0	8.6	0	79	290	16	5,671	0	-18.2	11.5	0	74	289	21	9,282	0	-45.1		0	68	287	31
		1,916	0	-53.1		0	74	281	29	3,776	0	-52.3		0	78	274	22	6,383	0	-54.0		0	78	268	14	20,833	3	-52.8		3	57	129	3	24,154	5	-49.5		5	92	95	11
POLAND																																									
LEBA	3	1,011		12.8	2.6					1,444	3	5.3	3.7	3	57	270	6	3,009	2	-3.3	6.6	2	47	255	5	5,593	3	-19.6	8.0	3	49	280	7	9,190	4	-45.6	8.1	4	50	285	11
		1,847	5	-50.4		5	63	295	10	3,724	8	-49.9		8	64	290	6	6,366	8	-51.4		8	59	275	4	20,871	12	-50.3													
POZNAN-LAWICA	3	1,003		15.0	5.5					1,472	2	5.3	3.8	3	67	280	6	3,038	3	-3.5	5.9	3	66	280	8	5,627	3	-19.3	8.6	3	60	275	9	9,230	6	-44.6		6	51	295	12
		1,882	8	-51.8		8	61	290	11	3,750	10	-50.6		10	65	285	8	6,385	15	-52.3		15	66	285	5																
LEGIONOWO	3	1,001		15.0	4.8					1,464	0	5.9	2.9	0	67	280	6	3,027	0	-3.3	3.7	0	61	270	7	5,610	0	-19.4	6.6	0	62	275	9	9,205	0	-45.9		0	55	280	12
		1,859	1	-50.2		1	66	280	11	3,742	2	-50.0		3	70	275	8	6,381	4	-51.6		4	75	250	5	20,878	6	-51.1		6	65	125	2	24,214	11	-48.7		11	96	90	6
WROCLAW I-MALY GADOW	1	1,000		12.9	2.2					1,473	0	6.1	2.6	0	73	290	7	3,036	0	-2.8	4.4	0	77	280	9	5,630	0	-18.3	7.2	0	69	290	12	9,245	15	-44.6	7.5	4	65	305	15
		1,896	0	-51.8		15	73	300	13	3,765	6	-51.1																													
PORTUGAL																																									
LAJES /ACORES/	1	1,013		17.2	4.0					1,594	2	9.0	8.8	8	45	355	4	3,190	2	4.9		7	43	345	4	5,860	2	-12.1		7	48	315	6	9,560	3	-40.2		9	67	310	10
		2,210	5	-58.5		9	82	310	14	4,010	10	-60.8																													
LISBOA/GAGO CONTINHO	2	1,005		20.8	7.4					1,523	1	12.3	8.4	2	7	139	1	3,120	1	4.5	19.3	1	17	266	2	5,769	1	-12.6	21.2	1	56	264	8	9,451	1	-40.5	18.1	3	73	261	14
		2,116	1	-54.4	20.9	5	76	259	15	3,940	1	-58.0	21.3	5	84	261	14	6,477	1	-60.8		3	62	255	5	20,813	2	-56.0		3	89	102	6								
MADEIRA																																									
FUNCHAL	2	1,014		20.0	6.6					1,545	1	12.0	14.0	1	60	6		3,162	1	7.1	26.9	1	44	317	3	5,845	1	-9.7	23.5	1	82	285	8	9,580	1	-37.6	18.2	1	76	276	14
		2,266	4	-55.2		4	82	275	18	4,076	9	-60.9		9	88	272	17																								
ITALY																																									
UDINE/CAMPOFORMIDO	3	1,003		18.8	5.8					1,494	3	9.5	6.2	3	27	247	2	3,067	3	-0.7	9.2	3	54	277	9	5,677	3	-16.5	13.7	3	59	278	17	9,303	3	-44.4		3	57	275	27
		1,943	3	-54.6		3	65	277	27	3,791	3	-53.3		3	70	269	23	6,394	3	-54.7		3	71	257	13	20,831	3	-53.3		3	48	140	4	24,144	3	-50.4		5	90	94	12
MILANO/LINATE	3	1,002		19.2	8.4					1,493	3	10.3	9.8	3	18	337	2	3,074	3	0.1	10.9	3	24	262	3	5,690	3	-16.2	18.3	3	51	284	12	9,323	3	-44.0		3	53	276	22
		1,964	3	-54.6		3	68	280	24	3,812	3	-53.8		3	68	270	21	6,411	3	-55.1		3	66	264	16	20,855	5	-53.3		5	14	282	2	24,168	7	-49.6		8	34	97	5
ROMA/FIUMICINO	3	1,016		20.1	4.4					1,521	3	11.2	12.7	3	39	249	4	3,111	3	2.0	16.8	4	57	277	9	5,744	3	-14.5	19.4	4	75	269	21	9,401	3	-43.0		4	78	265	32
		2,048	3	-55.9		4	83	271	34	3,881	3	-56.4		4	89	265	32	6,459	5	-57.3		6	93	267	21	20,845	14	-54.6		15	10	53	1	24,160	17	-49.9		18	90	97	12
BRINDISI	3	1,015		20.8	6.6					1,505	3	12.2	13.3	3	56	292	9	3,101	3	3.0	19.8	3	64	271	13	5,743	3	-13.8	23.8	3	81	272	26	9,411	3	-42.4		3	84	267	42
		2,055	3	-55.4		3	92	265	46	3,888	3	-56.3		3	94	257	42	6,448	3	-58.8		3	94	251	35	20,802	4	-55.7		4	41	124	4	24,080	4	-52.1		4	74	85	11
CAGLIARI/ELMAS	3	1,016		20.7	7.4					1,517	3	12.6	14.1	3	54	289	10	3,118	3	4.2	21.7	3	79	273	20	5,769	3	-13.0	23.0	3	80	265	34	9,469	3	-40.3		5	77	258	48
		2,128	3	-55.6		10	85	283	43	3,950	3	-56.8		12	90	279	38	6,510	3	-58.9		13	86	270	18	21,703	7	-55.1		14	60	92	8	24,182	8	-50.8		16	82	93	16
TRAPANI/BIRGI	3	1,016		20.9	5.0					1,528	3	13.3	14.6	3	67	272	11	3,133	3	4.1	22.8	3	78	277	22	5,791	3	-11.7	22.9	3	84	276	30	9,483	3	-40.8		3	88	276	41
		2,140	3	-56.0		3	93	274	47	3,965	3	-58.3		7	95	273	45	6,499	3	-61.3		7	97	267	37	20,830	8	-56.9		10	31	199	4	24,122	13	-49.6		16	68	117	9
ROMANIA																																									
CLUJ	1	967		12.2	2.7					1,488	2	8.2	3.7	2	70	295	5	3,059	2	-1.7	4.2	2	80	290	8	5,658	2	-17.9	5.9	2	80	290	12	9,272	2	-44.0	5.7	2	80	285	16
		1,922	2	-52.4	5.4	2	90	280	18	3,784	2	-51.9	5.8	2	90	270	17	6,400	2	-53.5	6.3	2	90	270	16																
BUCURESTI/IMH	1	1,003		14.5	2.0					1,492	0	10.2	6.6	0	50	235	4	2,971	0	-0.3	4.8	0	75	270	7	5,688	0	-15.9	7.3	0	80	270	10	9,344	0	-35.4	6.5	0	80	265	16
		1,999	0	-52.1	6.5	0	85	255	19	3,880	0	-52.1	6.8	0	95	255	21	6,486	0	-54.9	7.2	0	95	250	20																
CONSTANTA	1	1,012		17.2	2.8					1,492	0	-10.1	4.7	0	40	270	3	3,077	0	0.6	4.6	0	60	290	5	5,699	0	-15.3	6.3	0	70	280	7	9,359	0	-40.8	5.9	0	70	275	10
		2,036	0	-51.2	5.7	0	80	265	12	3,901	0	-52.2	5.7	0	80	265	12	6,512	0	-54.4	5.7	0	90	260	14	20,927	11	-56.3		12	80	255	13								
AFRICA																																									
SUDAN																																									
KHARTOUM		965		38.5	27.6					1,519	0	27.6	22.0	2	75	270	4	3,191	0	13.3	14.2	7	27	207	1	5,911	0	-6.3	9.0	5	23	204	1	9,733	0	-20.2	14.6	9	82	75	7
		2,480	0	-52.0		9	79	110	14	4,286	9	-65.9		9	92	110	19	6,674	3	-78.1		9	79	112	17	20,749	8	-63.0		9	88	90	15	23,909	9	-53.4		9	86	270	15

UPPER AIR DATA LATE REPORTS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB								850 MB 150 MB								700 MB 100 MB								500 MB 50 MB								300 MB 30 MB							
			TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND			
		HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
JUNE 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
AFRICA																																									
ZIMBABWE																																									
BULAWAYO/GOETZ OBS	1	873		10.0	3.5					1,564	0	11.9	7.7	1	93	114	8	3,168	0	3.8	12.6	1	40	346	2	5,840	0	-9.0	31.0	2	68	262	7	9,599	0	-34.6		2	87	265	20
		12,323	0	-53.1	20.1	2	92	277	23	14,129	0	-64.2		2	92	287	19	16,534	1	-76.2		2	86	294	10	20,626	1	-63.7		3	56	22	3	23,817	1	-55.5		3	70	90	4
SALISBURY/BELVEDERE	1	860		11.5	5.3					1,567	0	11.0	5.4	0	75	72	3	3,174	0	4.4	8.7	0	33	72	2	5,861	0	-7.1	33.7	0	56	283	5	9,653	0	-32.6	27.4	0	89	271	17
		12,386	1	-53.0	20.1	0	97	279	17	14,191	2	-64.6		4	88	288	14	16,591	2	-76.5		7	74	304	7	20,672	8	-64.3		14	64	56	4	23,857	10	-56.3					
ASIA																																									
ISRAEL																																									
BET DAGAN		1,007		27.8	8.7					1,498	0	18.1	18.2	0	56	32	3	3,136	0	10.4	20.4	0	70	27	6	5,853	0	-5.9	17.9	0	90	26	10	9,668	0	-30.5	13.4	0	91	25	17
		12,448	0	-48.3			87	24	21	14,298	0	-60.1		0	87	24	21	16,754	0	-71.6		0	81	22	14	20,928	1	-59.4		1	80	13	8								
AUSTRALASIA																																									
NORTH PACIFIC																																									
PONAPE, CAROLINE ISLANDS	1	1,005		27.8	3.7					1,502	2	17.7	3.3	2	98	93	10	3,145	2	9.7	6.2	2	93	95	8	5,865	2	-5.2	7.7	2	62	89	3	9,695	2	-30.5	10.6	2	53	240	3
		12,440	2	-53.6		3	74	256	7	14,225	4	-68.6		4	85	275	10	16,580	4	-78.1		5	83	275	7	20,698	5	-65.1		5	99	92	18	23,880	7	-55.6		7	100	90	34

UPPER AIR DATA CORRECTIONS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB								850 MB 150 MB								700 MB 100 MB								500 MB 50 MB								300 MB 30 MB							
		HEIGHT	TEMPERATURE		DEW POINT DEPRESSION	MEAN VECTOR WIND				HEIGHT	TEMPERATURE		DEW POINT DEPRESSION	MEAN VECTOR WIND				HEIGHT	TEMPERATURE		DEW POINT DEPRESSION	MEAN VECTOR WIND				HEIGHT	TEMPERATURE		DEW POINT DEPRESSION	MEAN VECTOR WIND				HEIGHT	TEMPERATURE		DEW POINT DEPRESSION	MEAN VECTOR WIND			
			NUMBER OF MISSING DAYS	MEAN		NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED		NUMBER OF MISSING DAYS	MEAN		NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED		NUMBER OF MISSING DAYS	MEAN		NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED		NUMBER OF MISSING DAYS	MEAN		NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED		NUMBER OF MISSING DAYS	MEAN		NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
OCTOBER 1983																																									
EUROPE																																									
DENMARK AND FAROE IS																																									
THORSHAVN	3																																								
FEDERAL REP OF GERMANY																																									
SCHLESWIG																																						0			
DECEMBER 1983																																									
AFRICA																																									
ZIMBABWE																																									
SALISBURY/BELVEDERE					3.5																																				

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COVER: The cover maps are long term means analyzed on a miller cylindrical projection of the world. They were prepared by U. S. National Climatic Data Center personnel from a variety of sources, including data from Monthly Climatic Data for the World and ship reports exchanged under WMO Res. 35 (Cg-IV). Since it was not possible to select all data for the same years of record, maps do not represent a "Standard Normal" period, but are generally representative of conditions during 1950's to mid-1970's. However, some ship data as early as the 1850's and land data from the 1890's to 1950's were used to help fill data gaps. The appropriate month's analysis will be shown in each issue. Since the scale is small, these maps can be used only for generalizations over large areas. If detailed statistics are needed, summaries of finer resolution should be used.

National Climatic Data Center
July 1984

NOTE FOR DATA CLARIFICATION: All Upper Air Wind Speeds for Ethiopia from January 1982 thru May 1984 are deficient. For approximate true value of meters per second, multiply the value published by two (2).

DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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