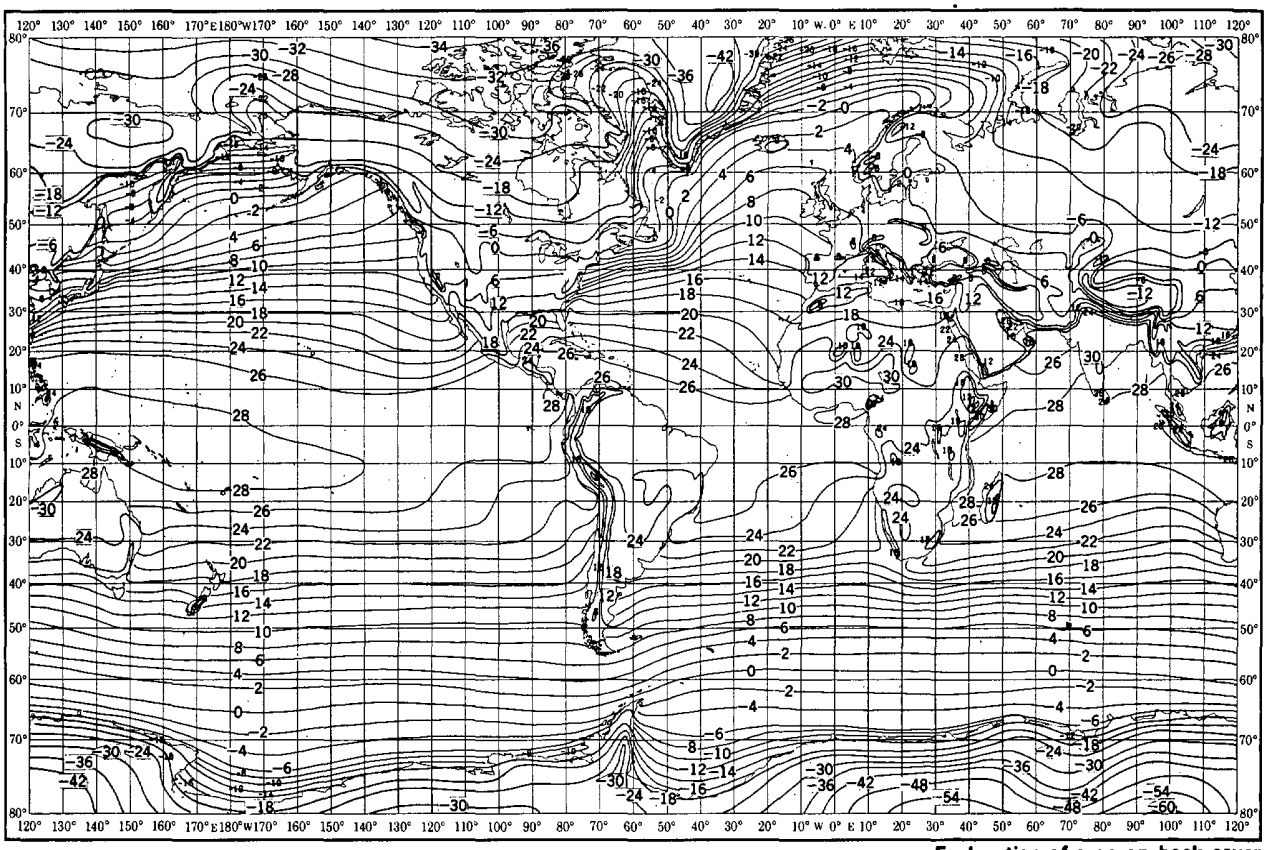
MARCH 1984 VOLUME 37 NUMBER 3

MONTHLY CLIMATIC DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE WORLD METEOROLOGICAL ORGANIZATION

MARCH LONG TERM MEAN SURFACE AIR TEMPERATURE (°C)



Explanation of map on back cover

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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

MARCH 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 i 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	1024.4	1024.8	-26.9	- 0.3	0.6		1	3	- 2	3	
BARTER ISLAND	70 08 N	143 38 W	15	31	1021.0	1023.0	-27.3	- 0.5	0.4		1	2	- 4	2	
KOTZEBUE	66 52 N	162 38 W	5	31	1012.5	1013.1	-14.6	+ 3.5				3	- 5		
NOME	64 30 N	165 26 W	7	31	1007.1	1008.2	- 7.6	+ 6.5	2.6		4	6	- 9	2	181
FAIRBANKS	64 49 N	147 52 W	138	31	991.2	1008.8	- 5.8	+ 7.3				1	- 9		
MCGRATH	62 58 N	155 37 W	103	31	994.2	1007.3	- 7.4	+ 5.8	2.6		9	27	+ 9	4	
BETHEL	60 47 N	161 48 W	46	31	1001.1	1002.4	- 4.0	+ 7.8	4.1		1	3	- 18	1	
ANCHORAGE	61 10 N	150 01 W	40	31	999.7	1004.7	2.4	+ 7.0	4.3		1	2	- 15	1	80
ST. PAUL	57 09 N	170 13 W	9	31	997.6	998.6	- 4.1	+ 0.7	4.3		4	8	- 24	1	
COLD BAY	55 12 N	162 43 W	31	31	992.6	996.6	0.9	+ 2.8	5.7		8	40	- 19	3	
KING SALMON	58 41 N	156 39 W	15	31	997.3	999.3	2.4	+ 9.5				11	- 18		
YAKUTAT	59 31 N	139 40 W	9	31	1006.4	1007.5	3.2	+ 4.5	6.7		21	306	+ 63	4	
JUNEAU	58 22 N	134 35 W	7	31	1009.8	1010.5	4.2	+ 4.6				95	+ 10		
ANNETTE ISLAND	55 02 N	131 34 W	34	31	1008.1	1012.1	6.4	+ 3.1	8.2		19	212	- 19	3	
CANADA-WESTERN															
MOULD BAY	76 14 N	119 20 W	15	31	1024.9	1026.6	-33.5	- 1.1	0.3	0.0	1	1	- 2	2	
SACHS HARBOUR	71 59 N	125 17 W	86	31	1015.4	1027.5	-29.9	- 2.6	0.6	0.0	2	13	+ 10		92
CAMBRIDGE BAY	69 06 N	105 07 W	27	31	1021.1	1024.9	-29.1	+ 1.0	0.7	+0.3	2	5	- 1	4	
COPPERMINE	67 50 N	115 07 W	9	31	1023.3	1026.4	-26.4	- 0.3	0.9	+0.2	4	13	+ 2	4	97
INUVIK	68 18 N	133 29 W	68	31	1014.9	1024.1	-25.5	- 1.7	0.6	-0.2	5	12	- 5		88
CONTWOYTO LAKE	65 29 N	110 22 W	451				U								
NORMAN WELLS	65 17 N	126 48 W	73	31	1012.4	1022.2	-19.5	- 0.6	1.0	-0.3	3	6	- 7	1	93
WHITEHORSE	60 43 N	135 04 W	703	31	925.0	1009.9	0.1	+ 7.6	4.3	+1.6	4	7	- 8	2	76
CREE LAKE	57 21 N	107 08 W	499				U								
FORT NELSON	58 50 N	122 35 W	382	31	970.3	1018.3	- 6.5	+ 2.7	2.6	+0.2	7	13	- 12	1	
FORT SMITH	60 01 N	111 58 W	203	31	995.0	1021.4	-11.8	+ 2.8	2.4	+0.5	5	11	- 4	2	94
PRINCE GEORGE	53 53 N	122 40 W	691	31	933.0	1016.2	2.0	+ 4.1	4.8	+0.7	6	35	+ 3	4	124
EDMONTON	53 34 N	113 31 W	671	31	936.9	1018.2	- 1.5	+ 3.9	4.0	+0.6	5	13	- 4	3	103
EDMONTON STONY PLAIN	53 33 N	114 06 W	766				U								
THE PAS	53 58 N	101 06 W	271	31	988.3	1023.0	- 9.2	+ 2.2	2.9	+0.5	3	19	- 2	3	99
WINNIPEG INT. AP	49 54 N	97 14 W	239	31	992.3	1022.6	- 7.1	+ 1.0	3.3	+0.2	3	12	- 14	1	115
REGINA	50 26 N	104 40 W	577	31	949.5	1020.9	- 5.2	+ 3.1	3.6	+0.3	7	20	+ 2	4	61
VERNON	50 14 N	119 17 W	555				U								
LETHBRIDGE	49 38 N	112 48 W	929	31	907.5	1017.9	- 0.2	+ 2.2	4.2	+0.4	10	23	- 3	2	
SANDSPIT	53 15 N	131 49 W	6	31	1010.6	1011.4	6.6	+ 2.7	8.6	+1.8	18	113	+ 11	4	91
PORT HARDY	50 41 N	127 22 W	22	31	1012.5	1015.2	6.8	+ 2.4	8.4	+1.3	17	128	- 5	3	
VANCOUVER INT. AP	49 11 N	123 10 W	2	31	1017.2	1017.5	7.9	+ 2.1	8.8	+1.4	19	129	+ 35	5	106
CANADA-EASTERN															
ALERT	82 30 N	62 20 W	63	31	1014.0	1023.4	-34.6	- 1.6	0.2	-0.1	0	1	- 6	1	
EUREKA	80 00 N	85 56 W	10	31	1022.2	1023.7	-38.5	- 1.8	0.2	0.0	0	1	- 1	3	
RESOLUTE	74 43 N	94 59 W	67	31	1013.2	1022.7	-31.9	- 0.6	0.4	0.0	6	17	+ 14	6	73
CLYDE	70 27 N	68 33 W	6	31	1019.3	1022.8			0.3	-0.3	2	6	+ 1		
HALL BEACH	68 47 N	81 15 W	8	31	1021.1	1022.2	-30.5	- 2.2	0.5	0.0	1	5	- 4		
BAKER LAKE	64 18 N	96 00 W	13	31	1021.6	1024.2	-26.5	+ 0.5	0.7	+0.6	4	9	- 1	4	
CORAL HARBOUR	64 12 N	83 22 W	64	31	1013.6	1022.5	-26.1	- 1.6	0.8	0.0	2	6	- 6	2	
FROBISHER BAY	63 45 N	68 33 W	34	31	1016.5	1021.1	-23.0	- 0.7	1.1	+0.1	4	13	- 8	3	82
CHURCHILL	58 45 N	94 04 W	29	31	1021.0	1024.9	-20.1	+ 0.2	1.2	0.0	1	5	- 13		97
INOUCDJOUAC	58 27 N	78 07 W	5	31	1019.7	1020.1	-20.7	- 0.8	1.2	0.0	5	12	0		118
FORT CHIMO	58 06 N	68 25 W	37	31	1013.0	1018.1	-16.2	+ 1.0	1.9	+0.3	9	37	+ 11		
TROUT LAKE	53 50 N	89 52 W	220	31	996.4	1026.1	-16.3	- 1.9	1.8	-0.2	1	5	- 14	0	
NITCHEQUON	53 12 N	70 54 W	536	31	949.5	1017.3	-15.0	- 0.6	2.2	0.0	9	35	+ 2	4	
MOOSONEE	51 16 N	80 39 W	10	31	1019.4	1020.8	-15.1	- 3.2	2.0	-0.3	6	62	+ 20	4	109
KAPUSKASING	49 25 N	82 28 W	227	31	991.6	1020.7	-12.4	- 3.3	1.9	+0.6	7	63	+ 9	3	
GERALDTON	49 42 N	86 57 W	331				U								
SEPT-ILES	50 13 N	66 16 W	55	31	1008.5	1015.5	- 8.0	- 1.3	2.8	-0.5	11	73	0	3	88
GOOSE	53 19 N	60 25 W	49	31	1009.4	1015.7	-10.3	- 1.9	2.7	-0.2	14	83	+ 14	4	70
NORTH BAY	46 22 N	79 25 W	371	31	971.2	1017.6	- 8.1	- 2.7	2.5	-0.9	6	38	- 25	2	115
MANIWAKI	46 23 N	75 58 W	170	31	995.4	1017.0	- 8.9	- 3.6	2.6	-0.9	6	40	- 7		129
TORONTO/MALTON INT AP	43 41 N	79 38 W	173	31	995.4	1017.1	- 4.6	- 3.7	3.8	-0.8	9	60	0	3	
MONTREAL/DORVAL INT AP	45 28 N	73 45 W	36	31	1012.5	1017.2	- 6.4	- 4.1	2.9	-1.0	7	35	- 36	1	
BAGOTVILLE	48 20 N	71 00 W	159	31	997.4	1017.8	-10.3	- 3.6	2.6	-0.6	8	36	- 17	3	
CHATHAM	47 01 N	65 27 W	34	31	1010.2	1014.4	- 5.5	- 2.1	3.5	-0.4	12	96	+ 12	4	89
STEPHENVILLE	48 32 N	58 33 W	26	31	1009.8	1013.1	- 2.8	0.0	4.4	+0.2	17	83	+ 19		
GANDER INT AP	48 57 N	59 34 W	151	31	994.4	1013.3	- 3.9	- 0.3	4.3	+0.1	13	174	+ 77	5	107
SHEARWATER	44 38 N	63 30 W	51	31	1006.3	1012.7	- 1.7	- 1.0	5.0	+0.3	14	140	+ 28	4	80
SYDNEY	46 10 N	60 03 W	62	31	1005.5	1013.2	- 3.4	- 1.0	4.1	-0.5	11	107	- 12	3	87
SHELBURNE	43 43 N	65 15 W	30				U								
SABLE ISLAND	43 56 N	60 01 W	4	31	1011.7	1012.2	1.9	+ 1.4	6.2	+0.6	14	110	- 1	3	90
ARGENTIA VTMS NFLD	47 18 N	54 00 W	15	31	1012.2	1014.0	- 0.4	+ 0.3	4.7	-0.3	14	84	+ 9		
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	1013.0	1013.6	- 0.6	+ 0.3	5.1	+0.3	9	70	- 23	2	66
UNITED STATES-NORTHWEST															
QUILLAYUTE	47 57 N	124 33 W	62	31	1009.5	1017.0	8.0	+ 2.3	9.2		20	249	- 38	3	107
PORTLAND	45 36 N	122 36 W	12	31	1013.0	1018.6	10.6	+ 2.9	9.1		19	81	- 11	3	129
OLYMPIA	46 58 N	122 54 W	61	31	1010.2	1017.5	8.2	+ 2.3	8.7		19	163	+ 40	4	
MEDFORD	42 22 N	122 52 W	405	31	971.2	1019.4	9.4	+ 1.9	8.0		10	52	+ 5	4	
SPOKANE	47 38 N	117 32 W	721	31	948.0	1017.1	5.4	+ 2.3	6.7		12	46	+ 11	4	70

SURFACE DATA

MARCH 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	887.6	1018.0	1.8	+ 2.1	4.5		6	33	+ 10	4	49
SHERIDAN	44 46 N	106 58 W	1209	31	877.1	1016.5	2.8	+ 2.9	5.1		15	54	+ 27	5	103
BISMARCK	46 46 N	100 45 W	506	31	957.7	1020.5	- 3.7	- 0.4	3.8		8	42	+ 24	5	69
RAPID CITY	44 03 N	103 04 W	966	31	900.3	1016.9	1.3	+ 1.0	4.2		7	18	- 8	2	105
BOISE	43 34 N	116 13 W	871	31	921.1	1018.5	5.5	+ 0.3	5.5		9	36	+ 10	4	93
WINNEMUCCA	40 54 N	117 48 W	1322	31	868.1	1018.0	4.6	+ 0.9	4.3		8	40	+ 23	5	120
ELY	39 17 N	114 51 W	1909	31	807.7	1017.0	1.8	+ 1.0	4.4		6	28	+ 5	3	116
SALT LAKE CITY	40 46 N	111 58 W	1288	31	867.8	1017.9	4.5	- 0.3	5.4		8	45	+ 1	4	81
GRAND JUNCTION	39 07 N	108 32 W	1475	31	858.3	1015.0	6.9	+ 1.4	3.9		3	40	+ 21	5	102
DENVER	39 45 N	104 52 W	1625	31	834.7	1014.0	2.9	- 0.4	4.1		7	30	- 1	4	82
NORTH PLATTE	41 08 N	100 41 W	849	31	916.2	1017.4	1.2	- 0.3	4.1		8	30	+ 2	4	83
UNITED STATES-NORTHEAST															
INTERNATIONAL FALLS	48 34 N	93 23 W	361	31	978.5	1021.7	- 8.1	- 1.7	3.4		2	6	- 23	1	
DULUTH	46 50 N	92 11 W	432	31	977.3	1020.6	- 7.4	- 2.3	2.8		6	14	- 31	1	93
ST. CLOUD	45 35 N	94 11 W	318	31	981.0	1020.6	- 5.0	- 1.5				17	- 20		
SAULT STE. MARIE	46 28 N	84 22 W	221	31	995.1	1018.7	- 6.2	- 1.7	3.0		8	52	+ 1	3	125
BURLINGTON	44 28 N	73 09 W	104	31	1001.9	1017.4	- 5.6	- 4.0	2.9		11	44	- 12	2	100
CARIBOU	46 52 N	68 01 W	146	31	991.2	1015.3	- 7.1	- 2.8	2.9		9	65	+ 3	3	
DES MOINES	41 32 N	93 39 W	294	31	986.0	1017.8	- 0.5	- 2.2	4.3		9	42	- 14	3	85
COLUMBIA	38 49 N	92 13 W	274	31	987.1	1016.0	2.6	- 2.8	5.7		13	114	+ 33	4	54
CHICAGO O'HARE	41 59 N	87 54 W	205	31	991.9	1017.2	- 1.4	- 3.6	4.2		9	76	+ 10	4	
ST. LOUIS	38 45 N	90 23 W	172	31	995.3	1016.1	2.8	- 3.4	6.5		12	136	+ 53	5	64
DAYTON	39 54 N	84 13 W	306	31	982.9	1016.4	- 0.6	- 4.8	4.5		12	92	+ 14	4	65
COLUMBUS	40 00 N	82 53 W	254	31	986.2	1016.8	0.2	- 4.2	4.5		13	99	+ 17	4	78
BUFFALO	42 56 N	78 44 W	215	31	987.5	1016.5	- 2.7	- 3.3	4.1		11	45	- 30	1	85
NEW YORK LA GUARDIA	40 46 N	73 54 W	9	31	1003.9	1015.7	1.8	- 3.2	4.9		9	132	+ 28	4	
BOSTON	42 22 N	71 02 W	9	31	1009.8	1014.6	- 0.1	- 3.7	4.5		13	173	+ 68	5	88
BLUE HILL OBS	42 13 N	71 07 W	195	31			- 1.1	- 2.9	3.8		13	229	+108	5	98
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	1011.7	1016.0	5.4	- 2.3	5.5		9	156	+ 68	5	86
UNITED STATES-SOUTHWEST															
SACRAMENTO	38 31 N	121 30 W	8	31	1015.4	1017.7	14.5	+ 2.7				34	- 18		122
SAN FRANCISCO	37 37 N	122 23 W	5	31	1018.3	1019.0	13.9	+ 2.3	10.5		5	35	- 33	2	
OAKLAND	37 44 N	122 12 W	3			U									
SANTA MARIA	34 54 N	120 27 W	73	31	1008.8	1017.5	13.1	+ 1.8	9.5		2	15	- 32	2	
SAN DIEGO	32 44 N	117 10 W	9	31		1016.1	17.6	+ 2.6	12.8		0	1	- 40	1	116
LAS VEGAS	36 05 N	115 10 W	664	31	948.5	1014.7	14.4	+ 1.5	3.9		0	T	- 10	1	113
PHOENIX	33 26 N	112 01 W	337	31	973.6	1012.5	19.8	+ 3.9			0	0	- 21	1	118
EL PASO	31 48 N	106 24 W	1194	31	884.2	1011.2	13.2	+ 0.4				11	+ 3	4	113
ALBUQUERQUE	35 03 N	106 37 W	1620	31	845.3	1011.8	8.2	+ 0.3	3.8		2	16	+ 3	4	105
WICHITA	37 39 N	97 25 W	408	31	966.9	1016.2	4.8	- 1.9	6.3		12	192	+141	5	79
OKLAHOMA CITY/W ROGERS WORLD	35 24 N	97 36 W	397	31	971.7	1015.4	8.0	- 1.5	11.3		9	119	+ 67	5	92
NORMAN	35 14 N	97 28 W	362			U									
ABILENE	32 26 N	99 41 W	534	31	952.4	1013.5	12.9	- 0.2	7.9		3	12	-150	2	99
SAN ANTONIO	29 32 N	98 28 W	242	31	989.4	1013.8	17.9	+ 1.3	11.5		3	49	+ 15	4	102
VICTORIA	28 51 N	96 55 W	36			U									
BROWNSVILLE	25 54 N	97 26 W	6	31	1011.9	1013.8	20.9	+ 0.6	17.4		2	3	- 9	2	98
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			9.8	- 1.3	8.9		10	134	+ 10	4	109
LONGVIEW	32 21 N	94 39 W	124			U									
NASHVILLE	36 07 N	86 41 W	184	31	996.4	1016.3	7.8	- 1.6	7.6		14	131	- 11	3	56
ASHEVILLE	35 26 N	82 32 W	661	31	935.1	1015.1	7.1	- 0.9	7.3		3	122	- 8	3	82
ATLANTA	33 39 N	84 26 W	315	31	973.0	1015.3	10.9	- 0.5	11.5		10	148	- 2	3	119
WAYCROSS	31 15 N	82 24 W	46			U									
CAPE HATTERAS	35 16 N	75 33 W	3	31	1015.4	1015.9	9.2	- 1.4	8.3		10	76	- 25	2	103
CHARLESTON	32 54 N	80 02 W	15	31	1014.2	1016.3	14.2	+ 0.5	11.2		7	143	+ 32	5	115
NEW ORLEANS	29 59 N	90 15 W	9	31	1014.8	1016.6	15.2	- 1.1				124	+ 4	3	
BOOTHVILLE	29 20 N	89 24 W	0			U									
JACKSONVILLE	30 30 N	81 42 W	9	31	1015.9	1017.1	16.0	- 0.3	12.3		5	147	+ 52	5	98
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	1016.1	1017.1	21.3	- 0.8	16.9		4	155	+107	5	
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		1011.7	1013.3	20.0		9.5		0	0			
LA PAZ	24 10 N	110 21 W	18		1010.7	1013.7	21.0		15.4		0	0			
MAZATLAN CARRASCO	23 11 N	105 25 W	3		1011.2	1011.2	21.3		19.1		0	0			150
MONTERREY	25 40 N	100 18 W	534		954.6	1012.8	20.6		12.2		1	2		2	135
MONTERREY AEROP. INTL	25 52 N	100 14 W	423			U									
CHIHUAHUA UNIV. DE	28 38 N	106 04 W	1428		855.1	1009.9	15.7		4.9		0	0			
TORREON	25 32 N	103 27 W	1150		886.8	1008.1	21.5		8.2		0	0			
ZACATECAS	22 47 N	102 35 W	2612		746.8	1010.2	13.1		4.3		0	0			
GUANAJUATO	21 01 N	101 15 W	2037		802.2	1007.2	18.7		10.9		0	0		1	105
GUADALAJARA	20 41 N	103 20 W	1551		845.2	1008.8	19.4		12.8		1	2		4	95

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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		1011.1	1011.5	25.1		22.5		0	0		4	
ACAPULCO	16 50 N	99 55 W	3		1010.6	1010.6	26.9		25.5		0	0			125
TAPACHULA	14 55 N	92 16 W	168		994.7	1007.6	27.4		23.9		0	0			150
VERACRUZ, YLANG YLANG	19 09 N	96 07 W	13		1007.0	1010.7	22.2		22.2		1	59		5	125
COATZACOALCOS	18 09 N	94 25 W	14		1010.9	1013.9	24.9		22.7		4	27			
MERIDA AEROP. INTL.	20 57 N	89 40 W	11		1011.3	1012.3	25.4		21.5		3	10		3	120
SOCORRO IS	18 14 N	111 03 W	35			U									
MORELIA	19 42 N	101 11 W	1923		812.0	1008.1	18.6		8.3		0	0		3	125
MEXICO CITY INT.AP, D.F.	19 26 N	99 04 W	2234			U									
OAXACA	17 04 N	96 43 W	1563		844.9	1010.9	21.5		14.0		9	62		6	135
LAS CASAS	16 44 N	92 38 W	2128		794.3	1013.6	14.2		13.5		1	3		2	125
GUATEMALA															
LABOR OVALLE	14 51 N	91 30 W	2376	31	770.7	1015.6	13.5	+ 0.4	9.5	-0.8	0	0	- 9	1	104
GUATEMALA/LA AURORA AP	14 35 N	90 31 W	1489	31	854.5	1014.0	18.9	+ 0.1	16.4	+0.8	1	7	- 2		104
LA FRAGUA	14 58 N	89 32 W	425	31	986.2	1009.6	27.9	- 0.2	24.8	+1.4	1	3	- 1		100
HUEHUETENANGO	15 19 N	91 28 W	1901	31	819.3	1017.0	18.5	+ 0.7	12.5	-0.2	3	59	+ 35		98
COBAN	15 29 N	90 19 W	1316	31	869.8	1012.7	18.0	+ 0.5	16.8	0.0	7	81	+ 13		102
EL PORVENIR	16 31 N	90 29 W	125	31	1001.1	1015.4	26.5	+ 1.6	28.4	+2.9	2	24	- 6		
BELIZE															
BELIZE INTL. AIRPORT	17 32 N	88 18 W	5	31	1012.7	1013.2	25.4		27.0		10	56			59
COSTA RICA															
JUAN SANTAMARIA	09 59 N	84 13 W	939	31	909.8	1011.0	23.0	+ 0.2	18.3	-0.5	2	16	+ 2	4	
PUERTO LIMON	10 00 N	83 03 W	5	31	1011.3	1011.3	25.3	0.0	26.1	+1.4	7	60	-145	1	115
PUNTARENAS	09 58 N	84 50 W	3	31	1010.1	1010.1	28.4	- 0.2	26.4	-1.9	1	7	+ 1	4	100
NICARAGUA															
MANAGUA	12 07 N	86 11 W	56		1004.5	1010.8	28.0		23.3		0	0		1	105
ADJACENT ISLANDS															
NASSAU INTL.AP BAHAMAS	25 03 N	77 28 W	7	31	1016.2	1017.0	21.7	- 0.4	19.3	-0.8	7	143	+113	5	82
CASA BLANCA, HABANA, CUBA	23 09 N	82 21 W	50		1007.3	1015.5	22.9		21.1		3	38		3	
GRAND CAYMAN, B.W.I.	19 15 N	81 25 W	6			U									
SAN JUAN/INT., P.R.	18 26 N	66 00 W	19	31	1012.8	1016.0	26.8	+ 1.5	22.3		5	21	- 38	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	24.9	+ 0.7	23.0	-0.3	14	115	+ 46	5	95
LAMENTIN/MARTINIQUE	14 36 N	61 00 W	144	31	1013.9	1014.7	25.0	+ 0.2	24.7	+0.5	16	109	+ 32	4	102
GRANTLEY ADAMS AP,BARBADOS	13 04 N	59 29 W	56	31	1008.6	1014.5	25.6	- 0.1	23.7	-0.3	11	39	+ 6		100
CROWN POINT AP, TOBAGO	11 09 N	60 50 W	6	31	1012.5	1013.3	26.0		25.0		6	19			
PIARCO INT. AP, TRINIDAD	10 37 N	61 21 W	15		1011.6	1013.2	25.3	0.0	24.6	0.0	4	10	- 24	1	100
SAN ANDRES,COLOMBIA	12 35 N	81 42 W	4	31		1013.8	26.8		26.2		5	17			
PROVIDENCIA,COLOMBIA	13 22 N	81 22 W	6	31			26.9		26.9		2	22			
SOUTH AMERICA															
VENEZUELA															
MARACAIBO-LA CHINITA	10 34 N	71 44 W	65	31	1002.6	1010.2	27.5	+ 0.2	25.7		0	0	- 6		100
LA CANADA(MARACAIBO)	10 31 N	71 39 W	26			U									
MARACAY-B.A. SUCRE	10 15 N	67 39 W	443	31	960.6	1009.0	25.7	+ 0.6	20.4		0	0	- 7		104
CARACAS/LA CARLOTA	10 30 N	66 53 W	835	31	919.4	1514 Y	22.4	+ 0.8	19.7		1	1	- 13		99
BARCELONA	10 07 N	64 41 W	7	31		1013.9	25.9	- 0.7	29.0		0	0	- 3		98
CIUDAD BOLIVAR	08 09 N	63 33 W	55	31	1001.7	1009.4	28.1	+ 0.1	24.5		0	1	- 12		100
SAN ANTONIO DEL TACHIRA	07 51 N	72 27 W	405	31	966.9	1008.9	25.3	- 0.3	24.1		3	27	- 11		90
MERIDA	08 36 N	71 11 W	1498	31	851.8	1515 Y	19.1	+ 0.1	16.2		4	18	- 26		103
SAN FERNANDO DE APURE	07 54 N	67 25 W	74	31	1005.9	1010.5	27.7	- 0.9	24.2		1	1	- 6		101
SANTA ELENA DE UAIREN	04 36 N	61 07 W	907	31	912.6	1478 Y	22.1	0.0	18.2		5	46	- 34		105
FRENCH GUIANA															
CAYENNE/ROCHAMBEAU	04 50 N	52 22 W	9	31	1011.0	1012.2	25.8	+ 0.3	26.8	-0.7	23	257	-161	2	91
COLOMBIA															
SANTA MARTA/SIMON BOLIVAR	11 07 N	74 14 W	4	31		1008.1	28.1		25.4		0	0			
CARTAGENA/CRESPO	10 27 N	75 31 W	2	31		1009.0	27.2		27.5		0	0			66
BARRANQUILLA	10 53 N	74 46 W	14	31		1009.2	27.0		28.1		0	0			65
QUIBDO	05 42 N	76 38 W	73	31			27.0		29.7		19	897			
BUENAVENTURA-COLPUERTOS	03 55 N	77 05 W		31			26.2		29.1		18	506			
TUMACO/EL MIRA	01 38 N	78 46 W	16	31			25.7		29.4		26	560			
CUCUTA/CAMILO DAZA	07 55 N	72 33 W	309	31		973.8	27.5		24.6		3	28			17
BARRANCABERMEJA/YARIGUIES	07 01 N	73 46 W	126	31			28.9		30.1		14	216			42
BUCARAMANGA/PALONEGRO	07 08 N	73 11 W	1190	31			21.5		21.2		5	54			44
PEREIRA	04 48 N	75 45 W	1349	31	856.2		21.5		21.3		18	260			
MEDELLIN/OLAYA HERRERA	06 13 N	75 36 W	1498	31	850.1		22.4		16.2		13	77			
BOGOTA/EL DORADO	04 42 N	74 08 W	2547	31	752.7		13.4		12.2		10	65			45
IPIALES/SAN LUIS	00 50 N	77 40 W	2962	31			11.1		10.7		16	114			
CALI/PALMASECA	03 24 N	76 24 W	969	31	905.1		23.2		19.8		3	15			
GIRARDOT/SANTIAGO VILA	04 17 N	74 48 W	286	31			29.1		26.1		12	64			48
GAVIOTAS/VICHADA	04 28 N	70 44 W	183	31			27.5		24.4		8	113			
NEIVA/LA MANGUITA	02 58 N	75 18 W	439	31			28.8		24.2		10	112			46
LETICIA/VASQUEZ COBO	04 10 S	69 75 W	84	31			26.5		28.9		17	262			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	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SOUTH AMERICA															
ECUADOR															
SAN CRISTOBAL/GALAPAGOS	00 54 S	89 36 W	6	31	1009.3		25.5	+ 0.6	28.7	+1.3	6	8	-112	1	95
IZOBAMBA-SANTA CATALINA	00 22 S	78 33 W	3058	31	706.5		11.3	- 0.4	11.2	+0.3	27	208	+ 16	4	80
NUEVO ROCAFUERTE	00 55 S	75 24 W	215	31							15	188	-126	2	
PORT VIEJO-GRANJA	01 02 S	80 26 W	44	31			24.9	- 1.2	23.3	-2.9	20	105	- 2	3	125
PICHILINGUE	01 06 S	79 28 W	73	31	1001.6		24.7	- 0.7	28.2	+0.3	29	512	+ 46	3	
AMBATO-GRANJA	01 15 S	78 37 W	2680	31			14.5	+ 0.3	12.0	0.0	17	85	+ 32	5	90
EL PUYO	01 30 S	77 57 W	950	31			21.1	+ 0.3	22.2	+0.5	26	504	+ 56	4	105
MILAGRO	02 07 S	79 36 W	13	31			25.4	- 1.0	27.9	-0.1	22	304	- 68	3	70
CANAR	02 33 S	78 56 W	3120	31			10.0	- 1.6	11.5	+0.6	29	83	+ 15	4	95
LOJA/LA ARGELIA	04 02 S	79 12 W	2040	31			16.2	+ 0.3	13.9	+0.8	18	173	+ 52	5	135
PERU															
CHICLAYO	06 47 S	79 50 W	37		1007.9	1010.8	24.2		21.7		4	9		4	
TRUJILLO	08 06 S	79 02 W	30		1008.5	1011.6	21.4		20.9		0	0		4	
CHIMBOTE	09 10 S	78 31 W	09		1009.6	1010.8	22.9		22.1		0	0		2	
LIMA-CALLAO/INTL AP/	12 00 S	77 07 W	11		1009.2	1010.9	22.4		21.8		0	T		3	
PISCO	13 45 S	76 17 W	7			1008.5	22.0		20.8		0	0		5	
SAN JUAN	15 23 S	75 10 W	31		1004.6	1011.6	22.8		19.6		0	0		4	
PIURA	05 11 S	80 36 W	55		1006.4	1011.2	26.7		22.0		6	19		3	
CAJAMARCA	07 08 S	78 28 W	2621		739.9		15.0		10.5		17	129		2	
HUANUCO	09 54 S	75 25 W	1858		816.3		20.3		15.2		11	87		2	
HUMANGA/AYACUCHO/	13 09 S	74 13 W	2761		732.6		17.3		11.2			82		1	
CUZCO	13 33 S	71 59 W	3312		687.9		11.9		9.1		10	48		1	
AREQUIPA	16 19 S	71 33 W	2525		751.9		14.4		12.1		7	32		4	
JULIACA	14 30 S	70 09 W	3823		644.6		10.3		9.2		22	106		2	
TACNA	18 04 S	70 18 W	458		961.8	1014.6	21.2		19.4		0	0			
MOYOBAMBA	06 02 S	76 58 W	832		915.7		23.0		23.3		12	162		2	
TARAPOTO	06 27 S	76 23 W	313		980.6	1015.6	27.8		26.5		8	49		1	
JUANJUI	07 13 S	76 43 W	350		978.2	1017.4	26.6		26.4		10	120		2	
TINGO MARIA	09 08 S	77 53 W	670		938.1	1009.8	24.1		23.4		25	348		2	
PUCALLPA	08 25 S	74 36 W	150		987.5	1010.0	25.3		28.0		9	134		2	
IQUITOS	03 45 S	73 15 W	126		998.3	1010.8	26.1		29.7		11	195			
BOLIVIA															
REYES	14 18 S	67 22 W	200	27		1008.6	27.4	- 0.1			7	283	+ 70		
RURRENABAQUE	14 28 S	67 35 W	200	29		1008.0	27.0	0.0			17	409	+188		
TRINIDAD	14 45 S	64 48 W	236	29		1009.1	27.8	+ 0.8			18	273	+ 73		
CONCEPCION	16 15 S	62 03 W	490	29		1009.9	26.0	+ 1.0			17	148	+ 22		
SAN IGNACID DE VELASCO	16 22 S	60 59 W	370	29		1007.1	27.1	+ 2.1			17	240	+100		
SANTA CRUZ	17 47 S	63 10 W	437	30		1007.6	27.0	+ 1.0			12	108	+ 4		
ROBORE	18 20 S	59 45 W	300	30		1006.7	28.2	+ 0.8			2	40	- 86		
POTOSI	19 35 S	65 45 W	4002	28	632.8		10.1	- 0.9			15	120	+ 71		
CAMIRI	20 06 S	63 33 W	792	30		1005	25.4	+ 1.4			11	205	+111		
VILLA-MONTES	21 16 S	63 30 W	400	28		1014	26.6	+ 1.1			17	394	+230		
TARIJA	21 32 S	64 47 W	1905	30	814		21.5	+ 1.5			14	140	+ 64		
YACUIBA	22 01 S	63 43 W	580	30		1006	24.1				20	491	+ 27		
EL ALTO	16 30 S	68 11 W	4050	30	626.7		8.5	+ 0.5			23	120	+ 54		
ORURO	17 58 S	67 07 W	3706	30	653.1		11.9	- 1.1			15	107	+ 63		
COCHABAMBA	17 23 S	66 10 W	2570	30	749.8		18.0	- 1.0			21	202	+144		
SUCRE	19 03 S	65 10 W	2850	30	720.9		15.5	- 0.5			21	216	+138		
PUERTO SUAREZ	18 57 S	57 52 W	154	30		1013.5	29.1	+ 2.1			8	86	- 23		
BRAZIL-NORTHERN															
BOA VISTA	02 49 N	60 39 W	90	31			29.1	+ 0.9	26.1	0.0	1	11	- 69	2	
S.GAB. DO CACHOEIRA/UAPES	00 08 S	67 05 W	87	31	999.3	1008.7	26.3	+ 0.7	30.0	+1.6	11	86	-199	1	
COARI	04 05 S	63 08 W	48	31	1003.7	1009.2	25.8	+ 0.4	31.1	+1.7	12	254	- 28	2	
MANAUS	03 07 S	60 01 W	60	31	1002.4	1010.3	25.9	+ 0.1	29.8	+0.2	16	134	-167	2	
MANAUS AERO PONTA PELADA	03 09 S	59 59 W	84			U									
CRUZEIRO DO SUL	07 38 S	72 36 W	170	31	997.8	1007.2	25.0	+ 0.6	28.1	+0.4	16	130	-139	0	
PORTO VELHO/AEROPORTO	08 46 S	63 55 W	105	31	998.6	1005.4	25.5	+ 0.3	24.2	-3.7					
VILHENA /AEROPORTO/	12 44 S	60 08 W	652			U									
RIO BRANCO	09 58 S	67 48 W	136	31	992.6	1007.8	25.9		28.6		21	260			
SAO FELIX DO XINGU	06 38 S	51 59 W	150	31	989.6	1011.0	25.1		28.1		22	411			
BELEM	01 28 S	48 29 W	24	31	1009.7	1010.3	25.3	- 0.1	30.0	+0.3	24	509	+ 73	4	
BELEM/AERO VAL DE CAS	01 23 S	48 29 W	16			U									
SAO LUIZ	02 32 S	44 17 W	51	31	1004.1	1009.9	25.6		28.5		23	535		4	
FORTALEZA	03 43 S	38 33 W		31	1006.5	1009.7	26.5		29.8		21	374		4	
CEARA-MIRIM	05 39 S	35 25 W	64	31	1002.5	1009.7	28.0	+ 0.7	28.4	+0.1	15	299	+ 44	5	
NATAL /AUGUSTO SEVERO/	05 55 S	35 15 W	49			U									
CONCEICAO DO ARAGUAIA	08 16 S	49 17 W	157	31			25.5	+ 0.6			19	401	+145	5	
CAROLINA	07 20 S	47 28 W	183	31	988.5	1012.4	25.2		27.9		18	220		2	
BARRA DO CORDA	05 30 S	45 16 W	82	31	991.4	1011.2	25.1	- 0.4	28.6	+0.2	15	264	+ 36	4	
FLORIANO	06 46 S	43 01 W	110		995.4	1011.1	25.9		28.2		14	238			
QUIXERAMOBIM	05 12 S	39 18 W	199		985.2	1008.9	26.4	- 1.2	25.6	-0.1	19	181	+ 10	3	
PORTO NACIONAL	10 42 S	48 25 W	238	31	983.9	1010.9	24.1	- 1.2	28.3	+0.6	18	260	- 13	3	
BOM JESUS DA LAPA	13 16 S	43 25 W	440	31	959.7	1010.7	26.5		24.6		14	126			
PETROLINA	09 23 S	40 30 W	370	31	967.8	1009.3	27.2		23.6		12	333			
RECIFE /CURADO/	08 04 S	34 51 W	19	31	1009.8	1010.7	27.4	+ 0.5	29.1	+0.9	15	93	-104	2	
ARACAJU	10 55 S	37 03 W	6	31	1009.9	1010.6	33.4	+ 6.5	28.0	+0.2	12	145	+ 38	4	
SALVADOR (OLINDA)	13 00 S	38 31 W	51	31	1003.9	1009.8	27.5	+ 0.9	29.3	+1.6	13	216	+ 63	4	

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	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SOUTH AMERICA															
BRAZIL SOUTHERN															
CUIABA	15 36 S	56 06 W	165	31	992.0	1008.9	26.6	+ 0.4	30.5	+2.9	15	161	- 71	2	
PONTA PORA	22 32 S	55 44 W	650	31	934.6	1009.8	23.2	+ 1.0	23.5	+2.6	13	109	- 49	2	
CAMPO GRANDE	20 28 S	54 40 W	567	31	950.9	1009.3	25.6	+ 1.2	25.4	+1.5	14	161	+ 21	4	
TRES LAGOAS	20 47 S	51 42 W	314	31	974.6	1009.4	26.5	+ 1.3	24.9	-0.1	9	101	- 38	2	
GOIANIA	16 41 S	49 15 W	733	31	927.9	1009.2	24.6	+ 1.7	23.2	+0.2	17	250	+ 58	4	
MONTES CLAROS	16 44 S	43 52 W		31	938.8	1009.8	24.2		22.2		10	152		4	
BRASILIA/CRUZEIRO/	15 46 S	47 56 W	1161	31	884.9	1009.5	21.6		20.2		14	160			
BRASILIA/AEROPORTO/	15 52 S	47 56 W	1061			U									
ARAXA	19 34 S	46 58 W	950	31	899.1	1010.9	22.7	+ 1.3	21.4	+0.9	12	92	-142	1	
BELO HORIZONTE	19 50 S	43 56 W	915	31	917.3	1011.0	23.6	+ 1.3	22.3	+1.6	11	113	- 52	2	
CARAVELAS	17 44 S	39 15 W	4	31	1010.7	1011.2	26.7	+ 1.3	22.4	-4.7	10	209	+ 26	4	
CORUMBA	19 01 S	57 40 W	140	31	992.0	1009.3	27.7	+ 1.3	30.4	+2.7	7	47	- 72	1	
JUIZ DE FORA	21 46 S	43 21 W	683	31	909.9	1012.8	20.8		20.2		13	240		4	
RIO DE JANEIRO	22 54 S	43 10 W	26	31	1011.7	1012.1	25.8	+ 0.3	26.5	+0.7	5	58	- 85	1	
RIO DE JANEIRO/AERO GALEAO	22 49 S	43 15 W	6			U									
SAO PAULO(AEROPORTO)	23 37 S	46 39 W	803			U									
CURITIBA/AERO AFONSO PENA	25 31 S	49 10 W	908			U									
FLORIANOPOLIS (AEROPORTO)	27 40 S	48 33 W	5	31	1012.9	1013.1	23.7		24.5		16	139		3	
ALEGRETE	29 47 S	55 47 W	103	31	997.4	1012.0	22.8	+ 0.7	22.1	+2.5	10	156	+ 35	3	
PORTO ALEGRE	30 05 S	51 11 W	7	31	1007.8	1013.4	23.4	+ 0.1	21.9	+0.2	7	99	+ 11	4	
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	1010.9	1015.2	20.7	+ 0.1	20.5	+1.2	5	51	- 77	1	
CHILE															
ARICA/CHACALLUTA	18 22 S	70 21 W	35	31	1006.2	1013.6	21.3	- 0.7	18.0	-2.6	0	0	0	5	
ANTOFAGASTA/CERRO MORENO	23 28 S	70 26 W	122	31	999.3	1013.4	18.1	- 0.1	15.9	-0.3	0	0	0	5	
ISLA DE PASCUA/MATAVERI	27 10 S	109 26 W	41	31	1013.5	1019.0	23.9	+ 0.8	24.0	+1.1	5	18	- 94	1	
JUAN FERNANDEZ	33 37 S	78 50 W	6	31	1012.9	1016.5	18.2	+ 1.9	15.2	-0.2	8	81	+ 44	5	
LA SERENA	29 54 S	71 15 W	32	31	997.3	1014.2	16.1	- 0.8	15.4	0.0	0	T	- 1	5	
PUNTA ANGELES	33 01 S	71 39 W	41	31	1011.3	1013.4	15.9	- 0.8	15.0	+0.6	1	10	+ 5	4	
SANTIAGO/PUDAHUEL	33 26 S	70 50 W	480	31	958.8	1013.3	16.7	- 0.6	13.7	+0.1	1	2	- 3	4	
VALDIVIA/PICHOY	39 37 S	73 04 W	53	31	1012.0	1014.3	13.6	- 0.9	12.6	-0.6	3	18	- 51	1	
PUERTO MONTT /EL TEPUAL	41 26 S	73 07 W	110	31	1006.3	1016.5	11.9	- 1.4	11.8	-0.4	9	51	- 78	1	
ISLA GUAFA	43 34 S	74 44 W	140	31							10	52	- 70	1	
PUNTA ARENAS/CARLOS IBANEZ	53 02 S	70 51 W	33	31	1002.8	1007.2	8.3	- 0.6	8.1	-0.1	3	10	- 77	1	
PARAGUAY															
MARISCAL ESTIGARRIBIA	22 01 S	60 36 W	181	31	997.2	1022.2	26.1	+ 1.2	24.9	+2.4	12	280	+188	6	
CONCEPCION /PISTA/	23 27 S	57 16 W	95	31	1000.8	1010.4	26.3	+ 0.1	25.6	-1.3	9	218	+ 78	5	
PTC STROESSNER/AERO	25 16 S	57 38 W	101	31	1000.4	1011.1	25.9	+ 0.8	25.3	-2.1	13	264	+ 92	5	
PUERTO POTE STROESSNER	25 32 S	54 36 W	196	31	993.5	1011.8	24.8	- 0.3	24.4	0.0	8	257	+ 97	5	
ENCARNACION	27 20 S	55 50 W	80	31	1003.4	1012.4	24.3	+ 0.4	24.5	-2.1	8	141	- 8	2	
ARGENTINA-NORTHERN															
LA QUIACA OBSERVATORIO	22 06 S	65 36 W	3459	31	672.7	3119 Z	11.5	- 0.5	9.1	+1.6	9	71	+ 27	5	85
JUJUY AERO	24 23 S	65 05 W	905	31	910.6	1497 Y	20.9	- 1.2	21.4		20	331			
SALTA AERO	24 51 S	65 29 W	1226	31	877.5	1493 Y	19.2	+ 0.5	19.2	+1.7	15	199	+ 85	5	60
CATAMARCA AERO	28 36 S	65 46 W	456	31	957.0	1007.9	23.1	- 0.5	20.1		14	128			
LA RIOJA AERO	29 23 S	66 49 W	430	31	960.1	1008.7	22.6	- 1.0	20.3	+2.0	10	205	+146	6	70
SAN JUAN AERO	31 34 S	68 25 W	598	31	943.8	1010.3	22.4		16.8		4	22			70
CHEPES	31 20 S	66 36 W	658	31	936.9	1010.2	21.5	- 0.8	18.2	+2.1	5	67	+ 25	5	
CRISTO REDENTOR	32 50 S	70 05 W	3852	31	642.5		2.5	+ 0.1	2.7	+1.0					
MENDOZA AERO	32 51 S	68 47 W	703	31	933.1	1011.1	20.3	+ 0.2	17.0	+2.5	9	148	+126	6	
MENDOZA OBSERVATORIO	32 50 S	68 51 W	828	31	918.9	1494 Y	19.0	- 0.7	16.5	+3.4	10	105	+ 77	5	70
SAN LUIS AERO	33 16 S	66 21 W	713	31	931.0	1010.7	19.8	- 0.5	16.7	+2.6	11	174	+ 94	5	
VILLA REYNOLDS AERO	33 44 S	65 23 W	486	31	957.0	1012.3	18.7	- 0.7	18.3	+2.7	2	191	+103	5	80
CORDOBA AERO	31 19 S	64 13 W	474	31	958.1	1011.7	20.2	- 0.1	17.6	+0.5	11	204	+ 94	5	80
CORDOBA	31 24 S	64 11 W	425	31	964.1	1012.3	21.3	+ 0.5	19.2	+2.5	10	201	+ 95	5	75
PILAR OBSERVATORIO	31 40 S	63 53 W	338	31	975.0	1013.7	20.1	0.0	19.1	+2.0	10	114	+ 20	4	85
RIO CUARTO AERO	33 05 S	64 16 W	421	31	964.7	1012.9	19.7	+ 0.1	17.9	+2.2	11	160	+ 49	5	65
RIVADAVIA	24 10 S	62 54 W	205	31	984.9	1007.9	25.2	- 0.4	27.5	+6.0	16	206	+118	6	
LAS LOMITAS	24 42 S	60 35 W	130	31	994.3	1009.0	26.3	+ 0.8	25.4	+3.3	14	119	+ 7	3	80
FORMOSA AERO	26 12 S	58 14 W	60	31	1002.3	1009.1	25.6	+ 0.4	26.0	+2.8	12	303	+165	5	85
SANTIAGO DEL ESTERO AERO	27 46 S	64 18 W	199	31	987.1	1009.9	23.0	- 0.4	23.2	+2.8	13	156	+ 76	5	70
PRES. ROQUE SAENZ PENA	26 49 S	60 27 W	92	31	999.7	1010.2	24.0	- 0.4	25.4	+3.0	11	284	+159	6	80
RESISTENCIA AERO	27 27 S	59 03 W	52	31	1004.3	1010.2	24.4	+ 0.2	24.5	+2.1	12	283	+129	5	90
CORRIENTES AERO	27 27 S	58 46 W	62	31	1003.4	1010.5	24.4	+ 0.2	24.5		9	321	+176	5	
POSADAS AERO	27 22 S	55 58 W	133	31	995.9	1011.3	24.7	+ 0.3	24.5	+0.6	11	138	- 1	3	80
RECONQUISTA AERO	29 11 S	59 40 W	49	31	1005.1	1011.3	23.6	+ 0.5	24.0	+2.0	8	103	+ 48	2	90
CERES	29 53 S	61 57 W	88	31	1001.3	1011.4	22.9	+ 0.3	22.1	+3.2	10	109	- 25	3	85
PASO DE LOS LIBRES	29 41 S	57 09 W	70	31	1003.9	1011.9	22.7	- 0.7	23.4	+3.2	7	194	+ 50	4	100
PARANA AERO	31 47 S	60 29 W	62	31	1004.9	1013.9	21.5	0.0	20.0	+1.2	9	176	+ 19	4	90
CONCORDIA AERO	31 18 S	58 01 W	38	31	1009.3	1013.7	22.6	+ 0.5	20.0	+1.5	5	172	+ 31	4	
ROSARIO AERO	32 55 S	60 47 W	27	31	1010.7	1013.5	21.3	+ 0.5	20.1	+1.9	8	129	- 38	2	100
GUALEGUAYCHU AERO	33 00 S	58 37 W	24	31	1011.5	1014.3	21.3	0.0	19.2	+0.8	4	141	+ 13	4	90
ARGENTINA-SOUTHERN															
BARILOCHE AERO	41 09 S	71 10 W	836	31	918.1	1480 Y	11.7	+ 0.3	8.9	0.0	8	64	+ 37	5	90
MAQUINCHAO	41 15 S	68 44 W	888				12.4	- 1.2	7.8	+0.2	9	49	+ 32	5	
ESQUEL AERO	42 56 S	71 09 W	785	31	923.1	1012.7	12.1	+ 0.2	8.8	+1.6	4	35	+ 14	5	
LABOULAYE	34 08 S	63 24 W	138	31	998.1	1014.1	20.1	+ 0.2	18.5	+2.5	10	247	+118	5	100
JUNIN AERO	34 33 S	60 57 W	81	31	1005.5	1015.0	20.2	+ 0.7	18.0	+1.2	5	91	- 65	2	115

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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 i MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUNSHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SOUTH AMERICA															
ARGENTINA-SOUTHERN															
PUNTA INDIO B.A.	35 22 S	57 17 W	22	31	1013.1	1015.6	20.7		18.6	+0.8	5	15			
PEHUAJO AERO	35 51 S	61 52 W	87	31	1004.9	1015.0	19.5	+ 0.4	18.4	+3.1	9	138	+ 18	4	
SANTA ROSA AERO	36 34 S	64 16 W	189	31	992.5	1014.7	18.6	- 0.8	15.1	+0.5	10	104	+ 18	4	60
NEUQUEN AERO	38 57 S	68 08 W	270	31	982.3	1014.1	18.1	0.0	12.7		10	126	+105	5	
AZUL AERO	36 44 S	59 50 W	132	31	1000.1	1015.8	17.7	0.0	18.1	+2.8	6	61	- 71	1	90
EZEIZA AERO	34 49 S	58 32 W	20	31	1012.6	1014.9	20.3	+ 0.3	18.0	+0.8	6	93	- 7	3	
AERO PARQUE	34 34 S	58 25 W	69	31	1014.3	1015.0	22.0	+ 0.6	19.5	+0.9	6	63			
BUENOS AIRES/OBS. CENTRAL	34 35 S	58 29 W	25	31	1012.1	1015.0	21.5	+ 0.4	18.8	+0.8	5	76	- 41	2	
DOLORES AERO	36 21 S	57 44 W	9	31	1014.5	1015.5	18.9	- 0.3	18.2	+1.0	4	15	- 81	1	75
MAR DEL PLATA AERO	37 56 S	57 35 W	24	31	1013.1	1015.5	18.6	+ 0.6	16.9	+0.5	5	83	- 27	2	
MAR DEL PLATA B.A.	38 03 S	57 33 W	5	31	1015.0	1015.5	19.5		18.7	+2.3	2	39			
TRES ARROYOS AERO	38 20 S	60 15 W	115	31	1002.3	1015.8	17.5	- 0.6	14.6	+1.4	6	56	- 37	2	
PIGUE AERO	37 37 S	62 25 W	298	31	979.8	1015.1	16.5	- 0.8	15.4	+2.4	8	45	- 56	2	60
COMANDANTE ESPORA B.N.	38 44 S	62 10 W	74			U									
BAHIA BLANCA AERO	38 44 S	62 11 W	72	31	1004.9	1014.6	18.2	- 0.6	16.0	+2.7	7	88	0	3	
VIEDMA AERO	40 51 S	63 01 W	8	31	1013.8	1014.6	17.0		14.9		8	134			
TRELEW AERO	43 14 S	65 19 W	39	31	1010.5	1015.5	16.2	- 0.7	11.5	+2.9	6	60	+ 46	6	100
PASO DE INDIOS	43 49 S	68 53 W	0	31	959.9	1013.5	14.6		7.5		4	29			
COMODORO RIVADAVIA AERO	45 47 S	67 30 W	61	31	1007.9	1013.4	15.3	- 0.8	10.2	+2.2	2	8	- 12	3	110
PUERTO DESEADO AERO	47 44 S	65 55 W	79	31	1005.3	1010.1	12.8	- 0.5	9.8	+0.6	2	4	- 11	2	
SAN JULIAN AERO	49 18 S	67 43 W	26	31	1005.0	1012.3	13.4	+ 0.5	8.3		0	4	- 10	2	
LAGO ARGENTINO AERO	50 20 S	72 18 W	220	31	982.9	1009.0	10.5	- 0.2	7.1	+0.5	1	2	- 14	1	
SANTA CRUZ AERO	50 01 S	68 34 W	111	31	997.9	1011.1	12.3	- 1.1	6.9		5	12	0	3	
RIO GALLEGOS AERO	51 37 S	69 17 W	17	31	1006.6	1009.0	11.1	- 1.3	9.1	+1.5	2	5	- 9	1	100
RIO GALLEGOS E.N.	51 38 S	69 13 W	27			U									
RIO GRANDE B.A.	53 48 S	67 45 W	11	31	1006.1	1008.9	7.8		8.0		3	16			
USHUAIA	54 48 S	68 19 W	14	31	1004.5	1006.2	8.4	+ 0.6	8.7	+0.9	5	13	- 38	1	
URUGUAY															
SALTO	31 23 S	57 58 W	46	31	1008.7	1012.7	22.7	- 0.2	20.0	+2.8	3	152	+ 31	4	
MELO	32 25 S	54 20 W	93	31	1001.7	1013.7	21.4	0.0	19.2	+0.4	3	58	- 52	2	
PASO DE LOS TOROS	32 46 S	56 32 W	79	31	1004.7	1013.6	21.9	+ 0.1	18.5	-0.2	4	64	- 64	2	
MERCEDES	33 15 S	58 04 W	22	31	1012.2	1014.3	21.6	- 0.8	19.5	+1.2	5	98	- 25	2	
TREINTA Y TRES	33 11 S	54 21 W	44	31	1008.8	1014.3	21.0	- 0.5	18.9	+1.7	1	4	- 82	0	
COLONIA	34 28 S	57 51 W	20	31	1011.7	1014.4	21.3	- 0.2	18.5	-0.4	6	87	- 24	2	
MONTEVIDEO/PRADO	34 52 S	56 12 W	22	31	1013.3	1015.4	21.7	+ 1.4	18.5	+0.9	6	65	- 34	2	
PUNTA DEL ESTE	34 58 S	54 57 W	16	31	1012.9	1014.9	22.1	+ 1.6	19.2	+0.3	4	40	- 48	2	
ROCHA	34 30 S	54 20 W	22	31	1012.8	1015.1	20.3	- 0.1	18.7	-1.6	6	31	- 58	1	
ANTARCTICA															
BELLINGSHAUSEN	62 12 S	58 56 W	16		994.9	996.9	0.8		5.9		16	75			
CENT.MET.ANT.PDTE.ED.FREI	62 25 S	58 53 W	10	31	997.1	998.2	1.0		5.8		12	63			
B.A. ARTURO PRAT	62 30 S	59 41 W	5	31	996.1	996.7	0.9		5.6		9	23			
B.A. BERNARDO O'HIGGINS	63 19 S	57 54 W	10	31	993.1	994.0	0.0		5.0		8	44			
B. A. VICECOMODORO MARAMBIO	64 14 S	56 43 W	198	31	969.9	994.7	- 4.2		4.3		4	32			
HALLEY BAY	75 30 S	26 39 W	32		980.6	984.5	-14.8		1.7						
S.A.N.A.E. STATION	70 19 S	02 21 W	52	31	975.3	982.5	-13.6		1.2						
NOVOLAZAREVSKAJA	70 46 S	11 50 E	87		967.8	983.1	- 7.6				3	12			
MOLODEZNAJA	67 40 S	45 51 E	40		979.6	984.2	- 8.3		2.9		12	109			
MAWSON	67 36 S	62 53 E	16		986.3	988.0	11.1	- 0.8	1.3						
DAVIS	68 35 S	77 59 E	15		893.5	985.2	- 8.3	- 0.3	1.7		1	4			
MIRNYJ	66 33 S	93 01 E	30		975.3	982.0	- 9.0		2.4		7	25			
CASEY	66 16 S	110 38 E	11		977.3	979.2	- 3.2	- 3.6	3.1		4	10			
LENINGRADSKAJA	69 30 S	159 23 E	300		947.0	983.5	-11.1		1.8		8	35			
VOSTOK	78 27 S	106 52 E	3420		624.8	1007.2	-57.2				0	T			
AMUNDSEN-SCOTT	90 00 S		2800		680.3		-52.6				0	T			
EUROPE															
GREENLAND															
NORD	81 36 N	16 40 W	36	31	1018.3	1023.5	-30.7	+ 0.3	0.4		3	8	- 1		
DANMARKSHAVN	76 46 N	18 46 W	12	31	1020.5	1022.2	-24.1	- 1.1	0.6		4	11	- 2		
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	1010.4	1019.5	-11.8	- 4.5	2.2		3	11	- 15		
EGEDESMINDE	68 42 N	52 45 W	47	31	1012.3	1018.8	-20.7	- 5.0	1.0		4	18	- 2		
EGEDESMINDE	68 42 N	52 45 W	27			U									
GODTHAB	64 10 N	51 45 W	50	31	1009.6	1013.2	- 8.2	- 1.9	2.7		11	37	+ 12		
ANGMAGSSALIK	65 36 N	37 38 W	50	31	1009.7	1014.4	- 7.5	- 1.1	2.7		16	104	+ 10		
ANGMAGSSALIK	65 36 N	37 38 W	50			U									
NARSSARSSUAQ	61 11 N	45 26 W	4			U									
PRINS CHRISTIAN SUND	60 02 N	43 07 W	76	31	1003.7	1013.5	- 4.2	- 1.4	3.3						
ICELAND															
REYKJAVIK	64 08 N	21 56 W	16	31	1008.1	1015.8	1.2	- 0.3	5.5	+0.2	16	76	+ 11	4	59
KEFLAVIK	63 58 N	22 36 W	54	31	1008.6	1015.4	1.4	- 0.2	6.0	+0.6	19	141	+ 55		
AKUREYRI	65 41 N	18 05 W	27	31	1013.3	1016.8	1.0	+ 1.3	5.1	+0.3	6	30	- 12	3	87
HOFN I HORNAFIRDI	64 15 N	15 11 W	11	31	1016.2	1017.7	1.5	+ 0.2	5.3		9	52	- 73		89
UNITED KINGDOM															
LERWICK	60 08 N	01 11 W	82	31	1009.3	1019.4	3.1	- 0.8	6.1	-1.2	14	81	+ 3	3	83
STORNOWAY	58 13 N	06 19 W	13	31	1015.7	1017.5	5.0	- 0.7	7.5	-0.5	14	81	+ 18	4	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		%
EUROPE															
UNITED KINGDOM															
TIREE	56 30 N	06 53 W	9	31	1016.0	1017.1	5.5	- 0.8	7.3	-0.7	10	58	- 9	2	84
ABERDEEN/DYCE	57 12 N	02 12 W	59	31	1009.7	1017.7	3.9	- 0.6	6.6	-0.5	12	98	+ 46	5	64
EDINBURGH/TURNHOUSE AP	55 57 N	03 21 W	35	31	1013.1	1017.5	4.4	- 0.6	6.7	-0.5	13	89	+ 54		91
ESKDALEMUIR	55 19 N	03 12 W	242	31	987.7	1017.0	3.3	- 0.3	6.3	-0.4	12	87	- 11	2	63
LEEMING	54 18 N	01 32 W	32	31	1012.7	1016.7	4.6		7.5		9	57			
VALLEY	53 15 N	04 32 W	10	31	1015.2	1016.6	5.7	- 1.1	7.4	-0.9	7	41	- 9	3	75
AUGHTON	53 33 N	02 55 W	56			U									
MANCHESTER AIRPORT	53 21 N	02 16 W	75	31	1007.0	1016.4	4.9	- 1.0	6.7	-0.9	8	41	- 4	3	62
BIRMINGHAM AP	52 27 N	01 44 W	97	31	1004.1	1016.2	4.4	- 1.0	6.7	-0.8	10	49	- 6		45
WADDINGTON	53 10 N	00 31 W	68	31	1007.7	1016.5	4.5	- 1.1	6.9	-0.6	8	52	+ 15	5	48
LONDON/GATWICK AIRPORT	51 09 N	00 11 W	60	31	1008.5	1015.8	5.2		6.9		9	91			
CRAWLEY	51 05 N	00 13 W	144			U									
CARDIFF-WALES AP	51 24 N	03 21 W	67	31	1008.1	1016.2	5.0		7.0		5	28			
BOURNEMOUTH/HURN AP	50 47 N	01 50 W	11	31	1014.6	1015.9	5.3		7.3		9	73			
PLYMOUTH/MOUNT BATTEN	50 21 N	04 07 W	27	31	1012.3	1015.9	6.2	- 1.1	7.3	-1.4	7	46	- 27	2	91
IRELAND															
MALIN HEAD	55 22 N	07 20 W	25	31	1013.9	1017.0	5.3	- 1.3	7.3	-0.6	7	40	- 18		83
BELMULLET	54 14 N	10 00 W	10	31	1016.0	1017.2	6.0	- 1.3	7.5		10	48	- 25		102
DUBLIN AIRPORT	53 26 N	06 15 W	81	31	1006.2	1016.8	5.5	- 0.9	7.3	-0.5	10	53	+ 5		71
SHANNON AIRPORT	52 41 N	08 55 W	7	31	1014.5	1017.0	6.1	- 1.3	7.5	-1.0	5	35	- 20		72
CORK AIRPORT	51 51 N	08 30 W	162	31	996.8	1016.9	5.2	- 1.4	7.2		8	61	- 46		
VALENTIA OBSERVATORY	51 56 N	10 15 W	14	31	1015.4	1017.1	6.4	- 1.9	7.7	-1.0	9	51	- 52	1	76
DENMARK AND FAROE IS															
THORSHAVN	62 01 N	06 46 W	24	31	1016.0	1019.0	3.3	- 1.3	6.6		22	104	- 10	3	58
THORSHAVN	62 01 N	06 46 W	55			U									
ALBORG	57 06 N	09 52 E	3	31	1019.0	1019.4	0.4	- 1.2	5.0		2	5	- 21	1	
KOBENHAVN/JAEGERSBORG	55 46 N	12 32 E	40			U									
KOBENHAVN/LANDBOHOJSKOLEN	55 41 N	12 33 E	5	31	1018.3	1018.9	1.6	- 0.3	5.9		5	28	- 4	3	123
RONNE	55 04 N	14 45 E	16	31	1017.6	1019.6	0.6	- 0.6	5.3		2	5	- 24	0	
NORWAY															
BJORNOYA	74 31 N	19 01 E	14	31	1017.5	1019.3	- 7.6	- 0.4	3.2		12	48	+ 21	5	
BJORNOYA	74 31 N	19 01 E	18			U									
JAN MAYEN	70 56 N	08 40 W	9	31	1016.6	1017.8	- 3.3	+ 1.5	3.7		8	61	+ 8	4	
VARDO	70 22 N	31 06 E	15	31	1017.1	1018.9	- 4.1	- 0.1	3.9	-0.1	11	48	+ 1	5	
SVALBARD LUFTHAVN	78 15 N	15 28 E	29	31	1016.4	1020.3	-14.7		1.4		6	32			
TROMSO/LANGNES	69 41 N	18 55 E	10	31	1018.0	1019.2	- 2.5	- 0.2	3.3	-0.7	13	50	- 25		129
BODO	67 17 N	14 25 E	13	31	1017.4	1019.0	- 1.4	- 0.4	4.1	-0.4	11	69	- 11	3	106
BODO	67 15 N	14 24 E	8			U									
ORLAND	63 42 N	09 37 E	7	31	1018.2	1019.4	0.3	- 0.5	4.5	-0.7	10	42	- 39	2	
ORLAND	63 42 N	09 24 E	10			U									
BERGEN/FREDRIKSBERG	60 24 N	05 19 E	44	31	1014.3	1019.7	2.1	- 1.0	4.7	-1.0	6	44	- 65	1	139
STAVANGER/SOLA	58 53 N	05 38 E	8	31	1018.4	1019.5	1.3	- 1.1	4.7	-1.1	5	20	- 18	1	
STAVANGER/SOLA	58 52 N	05 40 E	33			U									
OSLO/BLINDERN	59 56 N	10 44 E	96	31	1008.5	1020.5	- 1.3	- 0.8	3.6	-0.9	5	21	- 5	2	108
OSLO/GARDERMOEN	60 12 N	11 05 E	203	31	995.4	1021.2	- 3.1	- 0.8	3.5	-0.7	6	36	+ 4	3	
OSLO/GARDERMOEN	60 12 N	11 06 E	201			U									
SWEDEN															
KARESUANDO	68 27 N	22 30 E	327	31	979.4	1020.8	-10.8	- 0.9	2.2	-0.6	5	20	+ 3	4	103
HAPARANDA	65 50 N	24 09 E	7	31	1020.7	1021.6	- 9.1	- 1.7	2.6	-0.7	6	30	+ 6	4	101
STENSELE	65 04 N	17 10 E	327	31	986.3	1022.0	- 7.8	- 1.0	2.5	-1.0	7	24	+ 3	4	
OSTERSUND/FROSON	63 11 N	14 30 E	366	31	975.7	1021.5	- 5.6	- 2.1	3.2		5	28	+ 6	5	98
HARNOSAND	62 38 N	17 57 E	8	31	1020.6	1021.9	- 5.3	- 2.5	3.3	-1.0	5	35	+ 3	4	107
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	1015.5	1021.4	- 1.9	- 0.5	4.1	-0.6	5	35	+ 13	4	94
JONKOPING FLYGPLATS	57 46 N	14 05 E	232	31	991.9	1020.3	- 2.3	- 0.8	3.9		6	17	- 15	1	114
GOTEBORG/SAVE	57 47 N	11 53 E	53	31	1013.4	1020.1	0.3	- 0.4	4.5	-0.8	6	18	- 10	2	81
GOTEBORG/LANDVETTER	57 40 N	12 18 E	155			U									
VISBY	57 40 N	18 21 E	47	31	1014.0	1020.4	0.1	+ 0.1	4.6	-0.6	7	19	- 10	2	95
FINLAND															
SODANKYLA	67 22 N	26 39 E	180	31	998.5	1022.0	-10.1	- 1.1	2.4	-0.4	6	27	+ 7	4	124
KAJAANI	64 17 N	27 41 E	136	31	1004.0	1021.7	- 8.6	- 1.9	2.9	-0.3	4	18	- 6	2	98
JYVASKYLA/LUONETJARVI	62 24 N	25 40 E	145	31	1002.1	1020.8	- 6.5	- 1.1	3.4	-0.1	9	46	+ 20	5	104
VAASA	63 03 N	21 46 E	8	31	1019.8	1020.9	- 6.6	- 1.9	3.4	-0.5	6	21	+ 6	4	103
JOKIOINEN	60 49 N	23 29 E	103	31	1007.6	1020.9	- 5.4	- 0.8	3.6	-0.1	7	38	+ 13	5	97
TURKU	60 31 N	22 16 E	54	31	1013.1	1020.7	- 3.8	- 0.2	3.7	-0.2	8	42	+ 19	5	98
HELSINKI/SEUTULA	60 19 N	24 58 E	58	31	1013.5	1020.8	- 4.2	- 0.1	3.9	+0.2	11	41	+ 12	4	101
FRANCE															
CHERBOURG-MAUPERTUS	49 39 N	01 28 W	138	31	998.2	1015.2	5.2		7.2		9	85			
BREST/GUIPAVAS	48 27 N	04 25 W	103	31	1002.3	1014.9	6.1	- 1.7	7.6	-1.4	13	116	+ 33	4	69
NANTES	47 10 N	01 37 W	27	31	1012.0	1015.3	6.9	- 1.5	7.6	-1.5	11	90	+ 33	5	115
TRAPPES	48 46 N	02 01 E	168	31	994.7	1015.4	4.7	- 1.8	6.7	-1.1	10	45	+ 8	4	96
PARIS/LE BOURGE	48 58 N	02 27 E	65	31	1007.8	1015.8	5.3	- 1.9	6.8	-0.9	9	37	+ 5	4	100
NANCY/ESSEY	48 41 N	06 13 E	217	31	989.4	1016.2	3.1	- 2.4	6.1	-0.8	7	33	- 8	3	108
STRASBOURG/ENTZHEIM	48 33 N	07 38 E	154	31	997.3	1016.4	3.7	- 1.9	5.7	-1.3	4	12	- 18	1	116
DIJON	47 16 N	05 05 E	227	31	987.6	1015.5	4.3	- 2.6	5.7	-1.5	8	38	- 4	3	101

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		%
EUROPE															
FRANCE															
BOURGES	47 04 N	02 22 E	166	31	995.3	1015.6	5.5	- 2.1	6.1	-1.7	7	29	- 15	2	117
LIMOGES/BELLEGARDE	45 52 N	01 11 E	396	31	967.1	1015.6	5.4	- 2.0	6.2	-1.6	13	54	- 12	3	102
LYON/BRON	45 43 N	04 57 E	201	31	990.6	1015.1	5.9	- 1.8	6.6	-1.3	7	70	+ 17	4	93
LYON/SATOLAS	45 44 N	05 05 E	240			U									
BORDEAUX/MERIGNAC	44 50 N	00 42 W	51	31	1007.9	1015.4	7.2	- 2.1	7.8	-1.4	12	91	+ 28	4	85
TOULOUSE/BLAGNAC	43 38 N	01 22 E	153	31	996.7	1015.4	7.1	- 1.9	7.4	-1.6	10	46	- 7	3	89
PERPIGNAN	42 44 N	02 52 E	48	31	1008.0	1013.8	9.3	- 2.0	7.6	-1.7	9	88	+ 22	4	89
NIMES/COURBESSAC	43 52 N	04 24 E	62	31	1006.3	1013.9	8.3	- 1.8	6.8	-1.3	8	61	- 8	3	95
MARSEILLE/MARIGNANE	43 27 N	05 13 E	8	31	1012.5	1013.5	8.5	- 1.5	7.5	-1.2	7	44	+ 1	3	94
NICE/COTE DAZUR	43 39 N	07 12 E	10	31	1011.0	1012.2	10.0	- 0.8	7.2	-2.3	6	43	- 30	3	104
AJACCIO/CAMPO DEL ORO	41 55 N	08 48 E	9	31	1010.2	1011.3	9.7	- 0.8	9.5	-0.5	9	83	+ 30	4	94
BELGIUM															
UCCLE	50 48 N	04 21 E	104	31	1002.4	1014.8	4.7		6.5		13	49		3	91
NETHERLANDS															
DE BILT	52 06 N	05 11 E	4	31	1015.1	1015.6	4.0	- 1.0	6.5	-0.5	12	60	+ 16	4	109
LUXEMBOURG															
LUXEMBOURG AP	49 37 N	06 13 E	378	31	969.1	1016.0	2.8	- 1.3	5.4	-1.0	8	41	- 20	2	120
SWITZERLAND															
SANTIS	47 15 N	09 21 E	2500	31	742.5	2954 Z	- 9.0	- 2.4	2.3	-0.5	9	97	- 67	2	127
ZURICH/TOWN/VILLE/	47 23 N	08 34 E	569	31	947.6	1016.3	2.5	- 2.0	5.1	-0.9	9	25	- 41	1	98
GENEVE/COINTRIN	46 15 N	06 07 E	430	31	965.1	1015.5	3.5	- 1.8	5.5	-0.7	8	69	+ 9	4	92
PAYERNE/ STN. AEROLOGICAL	46 49 N	06 57 E	491			U									
LUGANO	46 00 N	08 58 E	276	31	981.4	1014.7	6.7	- 0.8	5.9	-0.7	5	135	+ 37	4	90
FEDERAL REP OF GERMANY															
SCHLESWIG	54 32 N	09 33 E	48	31	1001.9	1017.9	1.7	- 0.6	5.5	-0.8	8	36	- 7	2	96
HAMBURG/FUHLSBUTTEL	53 38 N	09 59 E	16	31	1015.9	1018.0	2.8	- 0.8	5.5	-0.9	5	25	- 13	2	93
EMDEN-HAFEN	53 20 N	07 12 E	12	31	1014.5	1016.0	2.8	- 1.1	5.9	-1.0	11	53	+ 12	4	126
HANNOVER	52 28 N	09 42 E	54	31	1010.6	1017.4	2.6	- 1.0	5.5	-0.9	4	16	- 22	1	111
BERLIN/TEMPELHOF	52 28 N	13 24 E	49	31	1011.9	1018.0	2.8	- 1.1	5.0	-0.7	3	10	- 20	1	104
KASSEL	51 19 N	09 29 E	163	31	987.9	1016.7	2.7	- 1.4	5.4	-1.0	3	10	- 24	0	103
ESSEN	51 24 N	06 58 E	161	31	995.7	1015.6	4.1	- 1.2	5.9	-1.0	7	26	- 23	2	112
GEISENHEIM	49 59 N	07 58 E	120	31	1000.9	1015.8	4.2	- 1.6	5.6	-1.1	6	17	- 13	2	112
NURNBERG	49 30 N	11 05 E	312	31	977.9	1016.3	2.2	- 1.5	5.4	-0.7	1	3	- 32	1	98
STUTTGART/CANNSTATT	48 50 N	09 12 E	315	31	977.2	1015.7	3.5	- 1.8	5.7	-0.7	6	11	- 27	1	116
MUNCHEN/RIEM	48 09 N	11 43 E	529	31	952.0	1016.3	1.2	- 1.8	5.0	-1.0	6	23	- 28	1	108
MUNCHEN/OBERSCHLEISSHEIM	48 15 N	11 33 E				U									
KONSTANZ	47 41 N	09 11 E	447	31	961.3	1015.5	2.9	- 1.2	5.4	-1.1	6	15	- 28	1	114
ZUGSPITZE	47 25 N	10 59 E	2962	31	698.5	2945 Z	-12.1	- 2.6	1.7	-0.7	10	162	+ 16		129
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	30	981.7	1016.3	3.0	- 0.7	4.6	-1.2	7	49	+ 9	4	132
WIEN/HOHE-WARTE	48 15 N	16 22 E	212	30	990.4	1015.8	4.2	- 0.5	4.8	+1.0	6	45	0	4	107
SALZBURG-FLUGHAFEN	47 48 N	13 00 E	450	30	963.1	1016.3	1.9	- 1.0	4.7	-1.3	8	39	- 31	1	105
INNSBRUCK-FLUGHAFEN	47 16 N	11 21 E	598	30	945.4	1016.6	2.3	- 2.5	4.7	-0.9	8	30	- 13	2	123
KLAGENFURT-FLUGHAFEN	46 39 N	14 21 E	452	30	960.2	1015.5	1.7	- 1.4	4.4	-1.1	7	53	- 14	4	95
GRAZ-THALERHOF-FLUGHAFEN	47 00 N	15 27 E	347	30	973.4	1015.6	3.2	- 0.2	5.2	-0.6	5	25	- 9	2	105
SONNBLICK	47 03 N	12 57 E	3107	30	685.9	2943 Z	-13.6	- 0.1	1.6	-0.6	13	103	- 22	3	126
CZECHOSLOVAKIA															
CHEB	50 05 N	12 24 E	471	31	959.2	1017.0	1.2	- 1.0	4.8	-1.0	4	12	- 20	1	105
PRAHA/RUZYNE	50 06 N	14 17 E	381	31	971.5	1017.0	1.6	- 1.1	4.9	-0.8	2	21	- 2	3	104
LIBUS	50 00 N	14 27 E	305	31	979.6	1017.1	2.7		5.0		2	27			
BRNO/TURANY	49 09 N	16 42 E	246	31	986.2	1016.6	3.2	- 0.5	4.8	-0.8	2	20	- 1	3	105
OSTRAVA/MOSNOV	49 47 N	18 62 E	256	31	985.1	1017.1	1.9	- 1.0	5.2	-0.5	1	20	- 15	1	101
SLIAC	48 38 N	19 09 E	318	31	976.8	1016.3	2.4	- 0.1	4.8	-0.8	5	41	- 4	3	100
POPRAD/TATRY	49 04 N	20 15 E	709	31	931.1		- 0.7	- 0.7	4.4	-0.4	3	21	- 13		
POPRAD/GANOVCE	49 02 N	20 19 E	706			U									
HUNGARY															
MISKOLC	48 08 N	20 48 E	120	31	1000.6	1015.8	3.7	- 0.3	5.8	-0.5	4	30	+ 2	4	
BUDAPEST/METEOROLOGIA	47 31 N	19.02 E	130	31	999.3	1015.3	6.2	+ 0.6	6.5	+0.2	8	26	- 13	3	101
BUDAPEST/LORINC	47 26 N	19 11 E	140	31	997.8	1015.3	5.2	+ 0.2	5.7	-0.9	9	24	- 14	3	96
DEBRECEN	47 29 N	21 38 E	114	31	1000.7	1015.1	4.4	- 0.5	6.0	-0.4	6	17	- 11	2	92
PECS	46 00 N	18 14 E	202	31	990.0	1014.9	4.7	- 0.3	5.9	-0.8	4	20	- 21	2	96
SZEGED	46 15 N	20 06 E	84	31	1004.7	1015.0	5.0	- 0.2	5.8	-1.1	5	22	- 13	3	88
POLAND															
SZCZECIN-DABIE	53 24 N	14 37 E	7	31	1010.7	1018.3	2.1	- 0.1	5.2	-0.5	2	5	- 21		
KOSZALIN	54 12 N	16 11 E	34			U									
GDANSK-SWIBNO	54 20 N	18 56 E	9	31	1018.1	1019.2	0.9	0.0	5.4	+0.2	8	20	+ 1		
POZNAN-LAWICA	52 25 N	16 50 E	92	31	1007.1	1018.7	1.7	+ 0.1	5.0	-0.5	2	10	- 15		
LEGIONOWO	52 24 N	20 58 E	104			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															
POLAND															
WARSZAWA-OKECIE	52 09 N	20 59 E	107	31	1005.2	1018.7	1.2	+ 0.6	5.2	+0.1	3	24	+ 4		
BIALYSTOK	53 06 N	23 10 E	151	31	999.9	1019.0	- 0.1	+ 0.9	4.8	+0.1	2	6	- 22		
WROCLAW II-STRACHOWICE	51 06 N	16 53 E	124	31	1002.8	1018.0	2.2	- 0.1	5.2	-0.3	2	16	- 11		
WROCLAW I-MALY GADOW	51 08 N	16 59 E	119			U									
KRAKOW/BALICE	50 05 N	19 48 E	237	31	988.0	1017.7	1.2	- 0.1	5.0	-0.5	4	20	- 11		
PRZEMYSL	49 48 N	22 46 E	280	31	983.1	1018.1	0.6	- 0.5	5.2	+0.2	4	24	- 3		
GIBRALTAR															
NORTH FRONT	36 09 N	05 21 W	3	31	1015.3	1015.7	13.8	- 1.3	11.4	-1.3	11	209	+ 90	6	85
PORTUGAL															
LAJES /ACORES/	38 45 N	27 05 W	54			U									
HORTA/ACORES	38 51 N	28 38	62	31	1009.3	1016.7	14.1	- 0.2	13.1	-0.1	12	72	- 50	2	83
PONTA DELGADA/ACORES	37 45 N	25 40 W	36	31	1011.4	1015.8	14.5	+ 0.1	13.6	+0.6	19	185	+ 80	5	77
SANTA MARIA /ACORES/	36 58 N	25 10 W	100	31	1003.5	1015.3	14.0	- 0.6	12.8	-0.4	15	139	+ 57		
PORTO/SERRA DO PILAR	41 08 N	08 36 W	100	31	1002.0	1014.1	10.3	- 1.6	8.7	-1.9	14	159	+ 12	3	87
LISBOA	38 43 N	09 09 W	95	31	1004.2	1015.7	12.2	- 1.4	9.2	-2.3	10	71	- 38	2	83
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	20.8		16.5		0	0		4	100
SPAIN															
LA CORUNA	43 22 N	08 25 W	67	31	1006.1	1014.3	9.7	- 1.8	8.7	-1.8	14	124	+ 29	4	100
VALLADOLID	41 39 N	04 43 W	715	31	932.9	1014.5	6.0	- 2.6	6.4	-0.9	10	40	- 6	3	85
ZARAGOZA	41 39 N	00 53 W	233	31	986.9	1013.7	9.2	- 2.1	7.1	-1.7	12	53	+ 23	5	
MADRID/BARAJAS	40 28 N	03 34 W	606			U									
MADRID/RETIRO	40 24 N	03 41 W	657	31	937.6	1016.1	7.2	- 2.8	6.4	-1.5	11	58	+ 13	4	85
BADAJOZ	38 53 N	06 58 W	195	31	991.2	1014.5	10.7	- 2.0	8.9	-1.5	11	87	+ 19	4	80
SEVILLA/TABLADA	37 22 N	06 00 W	13	31	1014.3	1016.0	12.7	- 1.4	9.6	-2.8	7	60	- 30	2	100
ALICANTE	38 22 N	00 30 W	82	31	1005.1	1014.9	12.2	- 1.7	8.4	-2.1	3	12	- 8	2	100
PALMA DE MALLORCA	39 34 N	02 39 E	17	31	1013.7	1014.4	11.2	- 1.0	9.5	-1.9	7	40	+ 4	4	85
PALMA/SON BONET	39 36 N	02 42 E	45			U									
MAHON, MENORCA/SAN LUIS	39 52 N	04 16 E	59	31	1003.9	1013.9	10.3	- 1.9	9.2	-1.3	13	68	+ 20	4	90
ITALY															
UDINE/CAMPOFORMIDO	46 02 N	13 11 E	94			U									
MALTA															
LUQA	35 51 N	14 29 E	72	31	1004.5	1013.2	12.9	- 0.6			6	44	- 2	4	94
QRENDI	35 50 N	14 26 E	136			U									
YUGOSLAVIA															
ZAGREB/GRIC	45 49 N	15 59 E	163	31	995.5	1015.6	6.1	- 0.7	5.6		4	32	- 15	3	89
ZAGREB/MAKSIMIR	45 49 N	16 02 E	128			U									
BEOGRAD	44 48 N	20 28 E	132	31	998.1	1014.3	5.6	- 0.6	6.0		9	31	- 15	2	68
BEOGRAD/ZELENO BRDO	44 47 N	20 32 E	243			U									
SARAJEVO	43 52 N	18 26 E	637	31	938.2	1014.8	3.4	- 1.4	5.4		16	44	- 15	3	47
SPLIT/MARJAN	43 31 N	16 26 E	128	31	996.3	1011.4	9.2	- 1.0	6.4		8	66	+ 13		
TITOGRAD/GOLUBOVCI	42 22 N	19 15 E	33	31	1005.7	1012.2	9.3	- 0.6	7.8		13	141	+ 5		73
SKOPJE-PETROVAC	41 57 N	21 38 E	233	31	984.4	1013.7	6.2	- 0.6	6.9		10	50	+ 15	4	
GREECE															
ATHENS/HELLINIKON	37 54 N	23 44 E	15			U									
ROMANIA															
CLUJ	46 47 N	23 34 E	415	31	965.1	1015.6	1.9	- 1.4	5.4	-0.2	7	29	+ 4		82
BISTRITA	47 09 N	24 31 E	366	31	970.9	1015.9	2.4	- 0.6	5.2	-0.7	7	25	- 10	3	
IASI	47 10 N	27 36 E	103	31	1004.2	1017.2	1.9	- 0.6	5.9	+0.2	15	55	+ 34	5	68
TIMISOARA	45 46 N	21 15 E	91	31	1004.1	1015.0	4.9	- 0.6	6.4	-0.3	7	22	- 18	2	96
SIBIU	45 48 N	24 09 E	452	31	961.5	1015.7	2.2	- 1.6	5.9	-0.1	17	41	+ 13	5	64
BUCURESTI/IMH	44 30 N	26 08 E	95			U									
SULINA	45 09 N	29 40 E	9	31	1013.4	1014.5	3.3	- 0.2	7.2	+0.7	16	22	+ 5	4	52
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		1014.1	1014.1	9.4	+ 1.6	7.8	-0.2	15	135	- 53	2	28
SAMSUN	41 17 N	36 20 E	44		1014.0	1014.4	8.0	+ 0.5	8.7	+1.0	12	70	- 5	3	22
EDIRNE	41 40 N	26 34 E	48		1007.7	1013.5	6.0	- 0.8	7.7	+0.2	13	144	+101	6	23
ISTANBUL/GOZTEPE	40 58 N	29 05 E	40		1008.7	1013.4	7.3	+ 0.3	7.9	+0.2	13	91	+ 30	5	18
BURSA	40 11 N	29 04 E	100		1001.6	1013.8	8.2	+ 0.2	8.0	+0.5	15	86	+ 13	4	19
CANAKKALE	40 08 N	26 24 E	3		1012.6	1012.9	7.7	+ 0.2	8.4	+0.5	12	116	+ 48		32
IZMIR	38 26 N	27 10 E	25		1008.4	1011.4	11.0	0.0	9.9	+1.4	10	104	+ 33	4	39
ANTALYA	36 42 N	30 44 E	50		1005.9	1010.9	11.2	- 0.4	10.6	+0.9	8	50	- 36	2	44
ADANA INCIRLIK	37 00 N	35 25 E	66		1009.9	1012.3	14.5	+ 1.8	11.2	+1.7	9	52	- 14	3	39
KASTAMONU	41 22 N	33 46 E	799		919.4	1013.3	4.4	+ 0.6	6.1	+0.4	7	30	- 4	2	26
ANKARA/CENTRAL	39 57 N	32 53 E	894		908.8	1012.6	6.1	+ 1.2	6.3	+0.7	10	38	+ 2	4	30
SIVAS	39 45 N	37 01 E	1285		867.7	1013.1	5.5	+ 4.1	5.9	+1.0	10	60	+ 18	5	35
ERZINCAN	39 44 N	39 30 E	1215		875.5	1013.7	6.5	+ 3.5	6.1	+1.0	9	47	+ 10	4	39

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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 i MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUNSHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
TURKEY															
ERZURUM	39 55 N	41 16 E	1869		807.9	1014.2	1.6	+ 4.7	4.8	+0.9	11	32	- 4	2	32
MUGLA	37 12 N	28 21 E	646		936.4	1012.3	7.7	- 0.2	7.6	+0.3	11	202	+ 81	5	39
AFYON	38 45 N	30 32 E	1034		893.6	1012.9	5.1	+ 0.3	5.6	-0.1	10	62	+ 13	4	27
ISPARTA	37 45 N	30 33 E	997		897.7	1012.6	5.8	+ 0.4	6.5	+0.5	11	103	+ 35	5	34
KONYA	37 58 N	32 33 E	1022		893.9	1011.7	6.6	+ 1.6	6.4	+0.9	9	40	+ 9	4	35
URFA	37 08 N	38 46 E	547		949.9	1013.4	11.3	+ 1.5	9.0	+1.7	11	131	+ 62	4	43
MALATYA/ERHAC	38 26 N	38 05 E	849		901.0	1015.6	8.0	+ 1.8	6.9	+1.0	11	38	- 8	3	29
DIYARBAKIR	37 53 N	40 11 E	677		935.9	1014.0	9.3	+ 1.4	9.5	+2.5	10	76	+ 13	3	34
VAN	38 27 N	43 19 E	1661		831.2	1017.1	3.3	+ 2.9	5.6	+0.9	12	38	- 10		45
USSR															
MURMANSK	68 58 N	33 03 E	46		1014.2	1020.8	- 7.1		3.0		7	21			
KANIN NOS	68 39 N	43 18 E			1012.3	1018.7	- 5.4		3.7		13	38			25
ARKHANGELSK	64 35 N	40 30 E	13		1021.0	1022.0	- 6.2		3.4		9	23		4	75
REBOLY	63 49 N	30 49 E	181		998.3	1021.9	- 7.7		3.1		11	39		5	70
VYTEGRA	61 01 N	36 27 E	59		1015.6	1022.9	- 6.0		3.3		12	32		4	85
LENINGRAD /TOWN/VILLE/	59 58 N	30 18 E	4		1021.2	1022.0	- 2.8		4.1		7	17			135
KAUNAS	54 53 N	23 53 E	75		1010.0	1019.8	1.0		4.6		7	15			115
MINSK	53 52 N	27 32 E	234		991.7	1021.0	- 2.0		4.2		6	24		3	
VELIKIE LUKI	56 23 N	30 36 E	98		1004.7	1017.9	- 3.1		4.3		11	29		4	90
VOLOGDA	59 17 N	39 52 E	118		1007.8	1024.7	- 5.6		3.2		7	17		3	110
MOSKVA	55 45 N	37 34 E	156		1004.9	1024.8	- 2.3		4.0		7	25			
VORONEZ	51 42 N	39 10 E	164		1005.3	1024.3	- 2.4		4.1		5	42		3	95
ROSTOV-NA-DONU	47 15 N	39 49 E	77		1010.3	1018.7	2.8		5.0		6	27			
ASTRAHAN	46 16 N	48 02 E	18			1022.7	1.2		4.8		1	3		2	
PJATIGORSK	44 03 N	43 02 E			953.4	1018.9	0.6		5.7		4	20			
TBILISI	41 41 N	44 57 E	490		967.0	1018.3	6.8		7.3		10	35		3	100
AFRICA															
MOROCCO															
KENITRA II	34 18 N	06 36 W	12			U									
SPANISH CANARY IS															
LAS PALMAS/GANDO	27 56 N	15 23 W	25		1009.5	1015.0	18.1		11.9						105
ALGERIA															
ALGER/DAR EL BEIDA	36 43 N	03 15 E	25		1011.9	1014.9	11.0		10.1		11	60		4	
CONSTANTINE	36 17 N	06 37 E	697		933.8	1015.4	7.9		8.1		9	31			
BECHAR	31 37 N	02 14 W	786		920.8	1477 Y	14.4		3.8		0	1		2	75
GHARDAIA-NOUMERPATE	32 23 N	03 49 E	442		960.7	1014.4	15.0		5.1		1	4			75
IN SALAH	27 12 N	02 28 E	294		978.6	1012.4	20.6		6.3		1	2			70
TAMANRASSET	22 47 N	05 31 E	1378		862.8	1606 Y	19.2		3.8		0	T		4	90
DJANET	24 33 N	09 28 E	1054		895.8	1503 Y	20.2		5.0		1	2			90
TUNISIA															
TOZEUR	33 55 N	08 10 E	51			U									
LIBYAN ARAB REP															
TRIPOLI INTL. AP	32 41 N	13 10 E	84	31	1003.6	1013.1	15.1		10.8		3	6			105
BENINA	32 05 N	20 16 E	132	31	997.6	1013.2	14.7		12.5		4	24			101
GIALO	29 02 N	21 34 E	62	31	1009.0	1015.2	18.0		8.9		3	18			111
KUFRA	24 13 N	23 18 E	408	31	966.4	1013.0	20.4		4.0		0	0			101
MAURITANIA															
NOUADHIBOU	20 56 N	17 02 W	3		1013.5	1014.0	18.6		15.1		0	T		4	
NOUAKCHOTT	18 06 N	15 57 W	3		1011.8	1012.1	21.7		13.7		0	T			
ROSSO	16 30 N	15 49 W	6		1011.7	1012.4	24.6		11.8		0	0			
BIR MOGHREIN	25 14 N	11 37 W	360		971.4	1012.4	19.7		13.7		0	0			
ATAR	20 31 N	13 04 W	224		986.4	1011.9	24.6		7.6		0	T			
AKJOUJT	19 45 N	14 22 W	120		999.9	1012.6	25.0		8.5		0	0			
BOUTILIMIT	17 32 N	14 41 W	75		1003.1	1011.7	25.1		8.8		0	T			
TIDJIKJA	18 34 N	11 26 W	402		966.2	1011.1	26.0		5.7		0	0			
KIFFA	16 38 N	11 24 W	115		995.9	1008.8	29.5		6.3		0	0			
AIOUN EL ATROUSS	16 42 N	09 36 W	223		983.6	1008.4	29.2		4.8		0	0			
NEMA	16 36 N	07 16 W	269				30.8		0.9		0	0			
SENEGAL															
SAINT-LOUIS	16 03 N	16 27 W	4		1011.0	1012.0	21.6		16.9		0	0		5	
DAKAR/YOFF	14 44 N	17 30 W	24		1008.3	1011.6	20.1		19.3		0	T			
DIOURBEL	14 39 N	16 14 W	9		1009.6	1010.6	25.9		15.6		0	0		4	
KAOLACK	14 08 N	16 04 W	7		1010.2	1011.0	36.9		13.6		0	0		3	
ZIGUINCHOR	12 33 N	16 16 W	23		1007.2	1009.8	25.9		16.5		0	0		5	
PODOR	16 38 N	14 56 W	7		1010.9	1011.7	26.5		10.6		0	0		5	
LINGUERE	15 23 N	15 07 W	21		1007.8	1010.1	27.6		12.3		0	0		4	
MATAM	15 38 N	13 15 W	17		1007.2	1009.1	30.4		9.2		0	T		5	
TAMBACOUNDA	13 46 N	13 41 W	50		1008.7	1010.2	22.7		18.8		0	0			
KOLDA	12 53 N	14 58 W	10				29.7		13.0		0	0		5	
KEDOUGOU	12 34 N	12 13 W	167		988.7	1007.0	31.2		9.3		0	0		4	
GUINEA-BISSAU															
BISSAU AIRPORT	11 53 N	15 39 W	36		1001	1010.7	27.7		18.5		0	0			

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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															
GUINEA-BISSAU															
BAFATA	12 11 N	14 40 W	43		1003.1	1008.7	30.4		5.1		0	0		1	
MALI															
KIDAL	18 26 N	01 21 E	459		958.4	1008.8	27.7		4.2		0	0		5	70
GAO	16 16 N	00 03 W	260		979.4	1008.1	30.1		6.9		0	0		5	100
NARA	15 10 N	07 17 W	265		978.8	1008.0	30.6		7.7		1	1			
HOMBORI	15 20 N	01 41 W	288		976.7		31.2		8.2		0	0		3	
TOMBOUCTOU	16 43 N	03 00 W	264		978.7	1008.0	27.6		7.3		0	0		4	95
NIORO DU SAHEL	15 14 N	09 21 W	237		981.4	1008.0	30.0		8.0		0	0		4	
KAYES	14 26 N	11 26 W	47		1003.0	1008.2	31.5		9.1		0	0		1	95
KENIEBA	12 51 N	11 14 W	132		992.7		32.4		11.0		0	0		5	100
KITA	13 04 N	09 27 W	329		970.5	1006.9	32.1		8.9		0	0		3	100
BAMAKO/SENOU	12 32 N	07 57 W	381		964.4	1005.8	32.1		10.4		0	0			
SEGOU	13 24 N	06 09 W	289		975.2	1006.9	30.9		11.4		0	0			30
SAN	13 20 N	04 50 W	284		976.5	1007.7	31.1		13.7		1	2		4	
KOUTIALA	12 23 N	05 28 W	367		965.8	1005.9	30.6		10.9		1	9		5	
BOUGOUNI	11 25 N	07 30 W	351		968.6	1006.7	31.0		13.9		0	0		1	
SIKASSO	11 21 N	05 41 W	375		965.5	1006.4	30.8		15.2		1	9		3	30
NIGER															
AGADEZ	16 58 N	07 59 E	503		951.9	1007.0	29.3		5.2		0	0		5	105
N GUIGMI	14 15 N	13 07 E	286		974.6	1006.4	29.3		7.9		0	0		5	105
MAINE-SOROA	13 14 N	11 59 E	339		969.2	1006.2	30.1		5.4		0	0		5	100
MAGARIA	12 59 N	08 56 E	403				27.9		7.4		0	0		5	
MARADI	13 28 N	07 05 E	369		965.7	1006.7	30.0		6.0		0	0		5	105
BIRNI-N KONNI	13 48 N	05 15 E	274		976.4	1006.4	31.0		8.8		0	0		5	100
TAHOUA	14 54 N	05 15 E	387		964.0	1006.8	30.7		4.2		0	0		5	110
TILLABERY	14 12 N	01 27 E	210		983.1	1006.3	31.7		8.6		0	0		5	95
NIAMEY-AERO	13 29 N	02 10 E	234		981.6	1006.6	31.7		7.9		0	0		4	100
GAYA	11 53 N	03 27 E	203		982.0	1004.6	32.9		13.1		0	0		4	90
GAMBIA															
BATHURST/YUNDUM	13 21 N	16 40 W	26		1006.0	1010.0	24.9		16.3		0	0			
SIERRA LEONE															
LUNGI	08 37 N	13 12 W	27	31	1006.4	1009.3	28.0	+ 0.5	27.0	-0.6	2	35	- 14		88
BONTHE	07 32 N	12 30 W	8	31	1010.0	1010.9	28.2	+ 0.1	29.0	-0.6	3	264	- 15		74
NJALA	08 06 N	12 06 W	56	31	999.6	1005.8	28.7	+ 0.9	24.7	-2.9	3	67	- 41		78
BO	07 57 N	11 46 W	93	31	999.2	1010.2	27.3	- 1.0	26.4	-0.5	6	75	+ 11		108
KABALA	09 35 N	11 33 W	464	31	958.7	1008.0	28.7	+ 1.0	20.8	-1.0	2	69	+ 25		144
DARU	07 59 N	10 51 W	186	31	986.8	1007.9	28.6	+ 0.9	26.2	-0.3	7	62	- 33		127
LIBERIA															
ROBERTS FIELD	06 15 N	10 21 W	12	31	1010.8	1011.8	27.0	+ 0.1	27.5	-1.1	7	64	- 17		
IVORY COAST															
KORHOGO	09 25 N	05 37 W	382		965.1	1007.0	29.3		21.5		4	85			
MAN	07 23 N	07 31 W	340				26.4		26.6		5	169			
BOUAKE	07 44 N	05 04 W	376		966.8	1007.9	27.9		23.7		9	104			
BONDOUKOU	08 03 N	02 47 W	371		966.3	1007.3	28.3		25.8		9	15		4	
DALOA	06 52 N	06 28 W	276	31	1010.8	1011.8	27.0	+ 0.1	27.5	-1.1	7	64	- 17		
DIMBOKRO	06 39 N	04 42 W	92		998.1	1008.4	28.1		27.5		15	188			
YAMOUSSOUKRO	06 54 N	05 21 W			984.2	1007.9	27.4		27.2		9	169			
TABOU	04 25 N	07 22 W	10		1006.5	1008.8	26.7		29.9		4	85		3	
SAN PEDRO	04 45 N	06 49 W	31		1005.2	1008.6	27.1		30.2		30	54			
SASSANDRA	04 57 N	06 05 W	66				22.0		30.1		6	93			
ABIDJAN	05 15 N	03 56 W	11		1007.6	1008.5	28.4		32.7		8	170		4	
ADIAKE	05 18 N	03 18 W	40				27.7		30.5		8	180			
UPPER VOLTA															
DORI	14 02 N	00 03 E	275		976.8	1007.4	30.6		10.2		0	0		3	
OUAHIGOUYA	13 35 N	02 26 W	324		970.0	1006.8	31.2		7.9		0	0		3	
OUAGADOUGOU	12 21 N	01 31 W	304		973.2	1006.7	31.4		12.3		2	169		5	100
FADA N GOURMA	12 04 N	00 21 E	309		972.8	1006.6	31.8		13.0		1	2		3	
BOROMO	11 40 N	02 55 W	271		977.0	1006.8	31.8		13.4		2	8		4	
BOBO-DIOULASSO	11 10 N	04 18 W	467		956.9	1007.0	30.7		14.7		3	21		4	
GAOUA	10 20 N	03 11 W	333		970.2	1006.9	31.1		17.9		3	15		2	
GHANA															
KUMASI	06 43 N	01 36 W	293		975.5	1008.1	28.1		25.5		9	135		3	50
BENIN															
NA TITINGOU	10 19 N	01 23 E	461	31	957.2	1007.1	29.2	- 0.5	17.9	+5.9	7	48	+ 21	5	
PARAKOU	09 21 N	02 37 E	393	31	964.6	1007.4	28.4	- 1.2	22.0	+2.0	5	137	+ 94	6	
SAVE	07 59 N	02 26 E	200	31	985.5	1007.9	28.8	- 0.3	25.4	+0.3	7	110	+ 29	4	
BOHICON	07 10 N	02 04 E	167	31	989.8	1008.5	28.5	- 0.8	28.6	+1.6	7	104	+ 12	3	
COTONOU	06 21 N	02 23 E	6	31	1007.6	1008.6	29.2	- 0.5	31.7	+0.4	3	39	- 48	2	
TOGO															
DAPON	10 52 N	00 15 E	330		970.5	1006.9	31.4		14.5		3	170			
MANGO	10 22 N	00 28 E	146		990.2	1006.5	30.5		24.3		6	127		6	
SOKODE	08 59 N	01 08 E	403		964.4	1007.7	28.1		22.4		6	104		5	

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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															
TOGO															
ATAKPAME	07 35 N	01 07 E	402		964.0	1008.0	27.3		24.8		8	192		5	
LOME	06 10 N	01 15 E	25		1006.0	1008.8	28.9		30.6		2	66		4	100
UNITED REP OF CAMEROON															
NGAOUNDERE	07 21 N	13 34 E	1104		889.0	1483 Y	23.6		15.5		6	27		3	95
DOUALA OBS.	04 00 N	09 44 E	9		1007.6	1008.6	26.8		29.8		14	129		1	100
DOUALA R.S.	04 01 N	09 42 E	15			U									
CONGO															
OUESSO	01 37 N	16 03 E	352		970.0	1009.1	26.1		25.6		9	72		1	100
BRAZZAVILLE/MAYA-MAYA	04 15 S	15 15 E	316		972.7	1007.0	26.0		25.6		12	298		6	110
GABON															
BITAM	02 05 N	11 29 E	599		942.3	1008.3	23.8		25.1		15	233			
MAKOKOU	00 34 N	12 52 E	515		951.7	1008.6	24.6		26.2		16	326			
LASTOURSVILLE	00 50 S	12 43 E	485		955.3	1008.6	24.4		25.8		16	354			
MOANDA	01 32 S	13 16 E	573		945.4	1007.6	25.4		25.6		12	244			
LAMBARENE	00 43 S	10 14 E	26		1006.1	1009.0	26.1		28.9		13	214			
MOUILA	01 52 S	11 01 E	89		998.8	1008.9	25.8		29.1		16	232			
TCHIBANGA	02 51 S	11 01 E	79		998.4	1008.7	26.2		27.8		14	131			
MAYUMBA	03 25 S	10 39 E	34		1005.0	1009.1	26.4		29.7		10	101			
PORT-GENTIL	00 42 S	08 45 E	4		1008.5	1009.0	27.1		30.1		12	265			
LIBREVILLE	00 27 N	09 25 E	15		1007.0	1008.7	27.4		30.2		12	179			
COCOBEACH	01 00 N	09 36 E	13		1007.8	1009.3	26.5		29.7		13	190			
KENYA															
MOYALE	03 32 N	39 03 E	1113	31	891.3		24.3	- 0.4	17.0	-0.9	1	15	- 42		
ELDORET	00 32 N	35 17 E	2120	31	788.7	1469 Y	19.1		12.4		2	14	- 56	2	120
NAIROBI AIRPORT	01 19 S	36 55 E	1624	31	833.5	1469 Y	20.6		13.8	-2.7	3	16	- 63		110
GARISSA	00 28 S	39 38 E	138	31	943.3	1009.9	30.7	+ 0.4	22.6	-2.6	1	2	- 24	2	
MALINDI	03 14 S	40 06 E	23	31	1007.5	1008.9	28.1	- 0.1	27.5	-2.0	1	11	- 19	2	110
ETHIOPIA															
ASMARA	15 17 N	38 55 E	2325	31	770.8		16.3		7.5		3	35			101
GONDER	12 32 N	37 26 E	1966				22.5				1	5			
COMBOLCHA	11 05 N	39 43 E	1916	31	815.5		18.9		10.4		5	66			102
ADDIS ABABA	08 59 N	38 48 E	2408	31	768.9		19.3				3	10			137
DIRE DAWA	09 36 N	41 52 E	1146				26.5				2	15			
GORE	08 10 N	35 33 E	1974				20.7				7	83			
JIMMA	07 40 N	36 50 E	1577	31	829.0		20.4		12.0		7	32			111
NEGHELLI	05 17 N	39 45 E	1455				20.8				2	9			
ZIMBABWE															
SALISBURY/BELVEDERE	17 50 S	31 01 E	1472			U									
ZAMBIA															
LASAKA CITY AIRPORT	15 25 S	28 19 E	1280			U									
MALAWI															
KAMUZU INT.AP	13 47 S	33 46 E	1229	31		1509 Y	20.3		20.0		10	125			
CHILEKA	15 41 S	34 58 E	767	31		1516 Y	23.0	+ 0.3	22.6		16	326	+191		60
MADAGASCAR															
DIEGO-SUAREZ	12 21 S	49 18 E	105	31	994.5	1011.3	26.1	0.0	27.4	-1.0	14	134	- 48	3	107
TULEAR	23 23 S	43 44 E	8	31	1011.3	1012.3	26.8	+ 0.3	26.1	+0.1	1	13	- 26		103
TAMATAVE	18 07 S	49 24 E	6	31	1013.6	1014.2	25.0	- 0.3	29.1	+1.3	25	590	+ 79	4	77
ANTANANARIVO/IVATO	18 48 S	47 29 E	1276	31	875.3	1526 Y	19.8	- 0.3	18.6	-0.2	8	198	- 42		
SEYCHELLES															
SEYCHELLES INTERNATIONAL AP	04 40 S	55 31 E	3			U									
OCEAN ISLANDS															
AGALEGA/MAURITIUS	10 26 S	56 45 E	3		1009.3	1009.6	24.4	- 0.1	30.8	+0.2	12	83	-103	1	
ILES GLORIEUSES	11 33 S	47 17 E	3	31	1011.9	1012.4	27.7		30.2		8	101			
SERGE-FROLOW/ILE TROMELIN	15 53 S	54 31 E	8	31	1010.3	1011.7	27.7		31.9		19	125			
ST. BRANDON/ST. RAPHAEL/	16 27 S	59 37 E	4		1011.7	1012.0	27.7	- 0.2	29.9	-0.5	10	67	- 90	1	
ILE JUAN DE NOVA	17 03 S	42 43 E	9	31	1010.3	1011.5	27.9		29.9		10	130			
RODRIGUES/MAURITIUS	19 41 S	63 25 E	59		1009.1	1015.4	26.1	- 0.4	26.3	-1.5	15	55	-101	1	102
VACOAS/MAURITIUS	20 18 S	57 30 E	425			U									
PLAISANCE/MAURITIUS	20 26 S	57 40 E	57		1008.1	1014.4	25.6	0.0	26.0	-1.9	19	107	-182	1	111
ST. DENIS/GILLOT, REUNION	20 53 S	55 31 E	12	31	1011.5	1014.4	25.7		25.2		14	71		1	100
ILE EUROPA	22 21 S	40 21 E	7	31	1011.3	1012.8	26.8		27.9		5	59		4	100
ILE NOUVELLE-AMSTERDAM	37 48 S	77 32 E	28	31	1017.6	1021.1	16.9		16.3		9	45			
ILE CROZET	46 30 S	51 00 E		31	993.5	1010.7	7.3		8.9		21	213			
PORT-AUX-FRANCAIS/KERGUELEN	49 20 S	70 13 E	18	31	999.7	1003.4	6.7		7.8		11	43			
SOUTH AFRICA															
WINDHOEK	22 34 S	17 06 E	1700	31	831.2	1505 Y	22.6	+ 1.8	14.2	+1.4	8	36	- 45	2	93
J. G. STRIJDOM	22 29 S	17 28 E	1700	31	831.3	1506 Y	22.0	+ 2.0	14.4		6	40	- 60		92
KEETMANSHOOP	26 34 S	18 07 E	1100	31	890.6	1509 Y	25.8	+ 1.5	13.8	+1.5	5	72	+ 33	5	94
UPINGTON	28 24 S	21 16 E	800	31	922.7	1520 Y	27.0	+ 3.4	12.9	+0.6	4	20	- 18	3	97
PIETERSBURG	23 52 S	29 27 E	1250	31	883.4	1531 Y	20.5	+ 0.5	16.2	-0.3	7	27	- 16	1	98

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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 i MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUNSHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
AFRICA															
SOUTH AFRICA															
PRETORIA	25 44 S	28 11 E	1300	31	873.0	1530 Y	21.9	+ 1.3	15.2	-1.9	8	113	+ 32	4	93
PRETORIA/IRENE	25 55 S	28 13 E	1525			U									
JAN SMUTS	26 08 S	28 14 E	1700	31	833.5	1532 Y	19.7	+ 2.0	14.4	+0.2	8	78	+ 1	3	91
BLOEMFONTEIN/J.B.M. HERTZOG	29 05 S	26 18 E	1400	31	862.7	1528 Y	21.5	+ 2.3	13.7	+0.7	11	43	- 41	2	88
KIMBERLEY	28 48 S	24 46 E	1250	31	882.4	1523 Y	23.4	+ 1.9	14.6	-0.9	7	73	+ 2	3	94
ALEXANDER BAY	28 34 S	16 32 E	0	31	1009.6	1012.3	19.5	- 2.0	17.3	+1.3	2	4	+ 1	4	90
CAPE TOWN /D.F. MALAN/	33 58 S	18 36 E	0	31	1008.5	1014.3	19.4	+ 0.2	16.2	+0.4	3	32	+ 18	5	92
PORT ELIZABETH	33 59 S	25 36 E	0	31	1009.1	1016.4	20.1	+ 0.1	19.3	+1.0	8	43	- 88	3	90
EAST LONDON	33 02 S	27 50 E	0	31	1000.9	1015.9	20.6	- 0.1	20.3	+0.6	10	71	- 39	2	76
DURBAN/LOUIS BOTHA/	29 58 S	30 57 E	0	31	1014.6	1016.2	23.3	- 0.3	25.3	+2.3	9	125	+ 18	3	73
GOUGH ISLAND	40 21 S	09 53 W	0	31	1007.6	1014.0	13.4	- 0.2	9.6	-1.3	16	420	+164		80
MARION ISLAND	46 53 S	37 52 E	0	31	1008.3	1011.0	8.4	+ 1.1	8.8	+0.4	20	166	- 51		104
ASIA															
USSR-WESTERN															
DRUJNAYA/OSTROV HEJSA/	80 37 N	58 03 E	20		1015.5	1018.5	-25.6		0.7		7	18			
OSTROV VIZE	79 30 N	76 59 E	18		1015.0	1016.6	-26.2		0.7		2	6			76
MYS CELJUSKIN	77 43 N	104 17 E	13		1015.2	1017.3	-26.8		0.7		7	15			
OSTROV DIKSON	73 30 N	80 14 E	20		1017.2	1023.8	-25.2		0.7		1	2			
MYS KAMENNYJ	68 28 N	73 36 E			1020.3	1021.4	-17.4		1.6		7	14			
HOSEDA-HARD	67 05 N	59 23 E	81		1010.6	1021.7	- 8.4		3.1		8	14		3	
NAR JAN-MAR	67 39 N	53 01 E	7		1019.8	1020.6	- 7.5		3.3		11	28		5	70
SALEHARD	66 32 N	66 32 E	35		1020.8	1022.9	-11.5		2.3		7	16			80
TARKO-SALE	64 55 N	77 49 E	27		1020.1	1023.7	-13.3		1.9		5	17			65
HATANGA	71 59 N	102 28 E	24		1016.5	1021.3	-25.8		0.8		1	8			
NJAKSIMVOL	62 26 N	60 52 E	50		1019.6	1026.2	- 3.8		3.0		1	4			
TURUHANSK	65 47 N	87 57 E	32		1018.7	1023.8	-15.8		1.6		5	19		4	200
ESSEJ	68 28 N	102 22 E	200		987.4	1024.5	-25.2		0.7		0	2			105
SYKTYVKAR	61 40 N	50 51 E	96		1013.2	1028.7	- 4.7		3.0		3	8			135
HANTY-MANSIJSK	60 58 N	69 04 E	40		1020.4	1026.6	- 5.5		3.2		1	14			
SURGUT	61 15 N	73 30 E	43		1020.0	1025.8	- 7.6		2.7		5	12			
PODKAMENNAJA TUNGUSKA	61 36 N	90 00 E	60		1017.0	1024.7	-11.2		2.1		5	14		2	115
TURA	64 10 N	100 04 E	140		1001.1	1026.4	-20.6		1.0		2	7		3	125
ERBOGACEN	61 16 N	108 01 E	278		986.2	1025.3	-18.1		1.1		0	4			
PERM	58 01 N	56 18 E	161		1007.5	1029.5	- 3.5		3.4		3	11			115
SVERDLOVSK	56 48 N	60 38 E	237		994.3	1029.9	- 2.0		3.6		1	4		1	120
TOBOLSK	58 09 N	68 11 E	44		1021.8	1028.2	- 5.1		3.8		1	3			135
OMSK	54 56 N	73 24 E	94		1012.0	1028.0	- 6.2		3.1		4	14			95
KRASNOJARSK	56 00 N	92 53 E	194		990.7	1026.1	- 6.0		2.7		1	5		2	
BOGUCANY	58 25 N	97 24 E	134		1015.4	1025.8	- 9.4		2.4		3	10		2	105
BRATSK	56 04 N	101 50 E	326		972.4	1026.3	-10.9		2.1		5	15			
KIRENSK	57 46 N	108 07 E	261		991.6	1026.2	-16.5		1.4		3	9			
KUSTANAJ	53 13 N	63 37 E	171		1009.8	1030.2	- 6.5		3.0		1	2			
TURGAJ	49 38 N	63 30 E	123		1010.9	1028.7	- 6.4		3.6		1	9			
KARAGANDA	49 48 N	73 08 E	555		961.8	1031.7	- 5.7		3.4		8	20			
SEMIPALATINSK	50 21 N	80 15 E	206		1003.6	1028.9	- 5.6		3.5		2	9			
MINUSINSK	53 42 N	91 42 E	251		995.2	1027.7	- 6.5		2.3		2	13		6	
IRKUTSK	52 16 N	104 21 E	485		967.0	1027.2	- 9.0		2.2		8	19		5	80
UST'-BARGUIZIN	53 26 N	108 59 E	457		967.6	1025.1	-13.9		1.9		1	4			
GUREV	47 01 N	51 51 E	-20		1024.2	1021.1	0.5		4.6		4	12			
SAM	45 25 N	56 12 E	82		1012.8	1024.4	- 0.1		4.7		2	11			
BALHAS	46 54 N	75 00 E	423		982.1	1026.8	- 4.4		3.7		4	10			
KRASNOVODSK	40 02 N	52 59 E	89		1009.2	1019.3	6.1		7.4		7	33			35
ASHABAD	37 58 N	58 20 E	230		991.5	1019.2	8.8		8.7		8	56			20
CARDZOU	39 05 N	63 36 E	193		995.8	1019.3	8.8		8.5		8	50			40
CIMBAJ	42 57 N	59 49 E	66		1014.4	1022.8	4.6		5.5		10	46			
TAMDY	41 44 N	64 37 E	220		998.5	1020.6	9.0		5.7		16	57			
TASKENT	41 16 N	69 16 E	428		962.2	1012.5	8.1		7.4		11	111		5	70
ALMA-ATA	43 14 N	76 56 E	847		922.7	1023.3	3.1		2.3		13	134			
USSR-EASTERN															
OSTROV CETYREHSTOLBOVOJ	70 38 N	162 24 E	6		1019.6	1025.4	-27.1		0.6		0	T			
MYS SMIDTA	68 55 N	179 29 W	7		1024.7	1025.3	-25.3		0.7		3	10			
MYS UZLEN	66 10 N	169 50 W	7		1017.0	1018.0	-23.0		1.0		4	12			
ANADYR	64 47 N	177 34 E	62		1010.4	1019.9	-20.7		1.3		5	22			
KORF	60 21 N	166 00 E	3		1011.7	1012.2	-11.3		2.0		6	10			
OSTROV BERINGA NIKOLSKOE	55 12 N	165 59 E	6		1002.1	1003.9	- 2.4		3.7		11	39			95
PETROPAVLOVSK/KAMCATSKIJ	52 58 N	158 45 E	7		1003.4	1006.4	- 3.4		3.2		6	35			150
ICA	55 42 N	155 38 E	4		1007.9	1008.8	- 7.8		2.8		2	8			145
OHOTSK	59 22 N	143 12 E	6		1015.8	1016.5	-13.0		1.4		2	6		4	
AJAN	56 27 N	138 09 E	9		1017.2	1018.4	-12.3		1.6		3	32			120
NIKOLAEVSK NA AMURE	53 09 N	140 42 E	47		1008.6	1014.7	-11.9		2.0		8	44			
SIMUSIR	46 51 N	151 52 E	26		1004.9	1008.1	- 2.6		4.1		8	35			
JUZNO-SAHALINSK	46 55 N	142 44 E	31		1009.8	1012.8	- 6.7		3.1		6	27			
OLENEK	68 30 N	112 26 E	127			U									
VERHOJANSK	67 33 N	133 23 E	137			U									
UST -OLOJ	66 33 N	159 25 E	125		1006.9	1024.6	-26.9		0.6		2	5			
ILIRNEJ	67 20 N	168 14 E	426		997.4	1026.8	-28.2		0.7		0	3			
SEJMCAN	62 55 N	152 25 E	207		995.5	1024.8	-25.2		0.6		6	15			
KAMENSKOE	62 29 N	166 13 E	106		1014.7	1016.4	-17.3		1.2		6	25			
BOGDARIN	54 28 N	113 35 E	917		910.7	1025.6	-15.9		1.2		2	4		5	

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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															
USSR-EASTERN															
CITA	52 01 N	113 20 E	685		938.3	1023.8	-12.3		1.5		0	T		2	100
MOGOCA	53 44 N	119 47 E	619		942.3	1022.9	-14.7		1.4		1	6		4	95
KALAKAN	55 07 N	116 45 E	607		945.2	1025.5	-17.6		1.1		1	4		3	
BOMNAK	54 43 N	128 56 E	357		973.0	1019.7	-13.6		1.3		3	5			125
IM. POLINY OSIPENKO	52 25 N	136 30 E	65		1007.2	1016.8	-12.6		1.6		4	7			105
BLAGOVESCENSK	50 16 N	127 30 E	137			1018.2	- 9.2		2.0		2	19		3	
HABAROVSK	48 31 N	135 10 E	72		1004.5	1016.4	- 9.9		2.0		4	7		3	100
HONG KONG															
ROYAL OBSERVATORY	22 18 N	114 10 E	33	31	1008.5	1015.9	18.0	- 0.5	17.0	-0.6	5	14	- 41	2	52
KINGS PARK	22 19 N	114 10 E	66			U									
MACAO															
MACAO	22 12 N	113 32 E	59		1008.4	1015.4	17.8		17.6		8	44		2	
REPUBLIC OF KOREA															
KANGNUNG	37 45 N	128 54 E	27	31	1015.2	1018.5	4.4	- 0.9	4.3	-1.2	5	25	- 54	2	101
INCHON	37 29 N	126 38 E	70	31	1011.4	1020.2	2.1	- 1.5	4.2	-1.4	2	9	- 36	1	106
PUSAN	35 06 N	129 02 E	71	31	1010.1	1018.9	6.0	- 1.7	4.5	-2.0	3	17	- 66	1	61
MOKPO	34 47 N	126 23 E	56	31	1014.0	1021.0	4.8	- 1.1	5.3	-1.4	1	8	- 50	1	111
JAPAN															
WAKKANAI	45 25 N	141 41 E	11	31	1011.6	1013.0	- 3.3	- 1.7	3.5	-0.5	8	37	- 27	1	132
ASAHIKAWA	43 46 N	142 22 E	116	31	998.5	1013.2	- 4.5	- 1.7	3.3	-0.5	12	21	- 41	0	132
ABASHIRI	44 01 N	144 17 E	39	31	1007.4	1012.9	- 4.5	- 1.7	3.4	-0.4	8	49	- 9	3	112
SAPPORO	43 03 N	141 20 E	19	31	1010.8	1013.2	- 2.2	- 1.8	3.6	-0.7	30	81	+ 3	3	129
NEMURO	43 20 N	145 35 E	26	31	1008.6	1011.9	- 3.4	- 1.3	3.7	-0.5	7	31	- 37	1	108
URAKAWA	42 10 N	142 47 E	34	31	1008.4	1012.6	- 1.7	- 1.6	3.8	-0.8	3	10	- 47	0	122
AKITA	39 43 N	140 06 E	10	31	1014.1	1015.4	0.4	- 2.3	4.4	-1.0	18	80	- 27	1	109
MIYAKO	39 39 N	141 58 E	47	31	1008.5	1014.4	0.1	- 2.7	4.0	-0.9	10	60	- 36	2	112
SENDAI	38 16 N	140 54 E	40	31	1010.2	1015.6	1.5	- 2.7	4.2	-1.1	6	33	- 39	0	118
WAJIMA	37 23 N	136 54 E	6	31	1016.5	1017.3	2.7	- 2.4	5.3	-1.2	21	141	- 4	3	103
NIIGATA	37 55 N	139 03 E	6	31	1016.0	1016.8	2.4	- 2.5	5.1	-1.2	19	117	+ 8	4	100
KANAZAWA	36 33 N	136 39 E	28	31	1014.5	1017.9	3.5	- 2.5	5.3	-1.5	20	138	- 28	2	88
MATSUMOTO	36 15 N	137 58 E	611	31	942.4	1016.6	0.0	- 3.2	3.9	-1.1	6	33	- 33	1	99
MAEBASHI	36 24 N	139 04 E	113	31	1001.8	1015.4	3.4	- 3.1	4.3	-1.2	5	37	- 14	2	110
NAGOYA	35 10 N	136 58 E	56	31	1010.5	1017.4	4.8	- 2.7	5.3	-1.3	6	71	- 27	2	92
TATENO	36 03 N	140 08 E	27			U									
CHOSHI	35 43 N	140 51 E	28	31	1011.6	1015.0	5.3	- 3.6	5.8	-2.1	9	83	- 55	1	118
OMAEZAKI	34 36 N	138 13 E	47	31	1010.1	1015.8	6.6	- 2.8	6.0	-2.2	7	113	- 42	2	106
TOKYO	35 41 N	139 46 E	36	31	1011.0	1015.5	5.9	- 2.5	5.1	-1.5	9	69	- 33	2	115
HACHIJOJIMA	33 06 N	139 47 E	80	31	1005.5	1015.3	9.8	- 2.6	8.0	-2.4	15	271	+ 29	4	105
HACHIJOJIMA/OMURE	33 07 N	139 47 E	156			U									
YONAGO	35 26 N	133 21 E	8	31	1017.5	1018.5	4.6	- 2.3	5.9	-1.4	15	83	- 39	1	90
HIROSHIMA	34 22 N	132 26 E	30	31	1014.9	1018.6	5.9	- 1.9	6.1	-1.2	7	72	- 29	2	108
OSAKA	34 41 N	135 31 E	50	31	1012.0	1018.1	6.0	- 2.3	5.6	-1.5	4	47	- 53	1	106
SHIONOMISAKI	33 27 N	135 46 E	75	31	1007.8	1016.9	8.0	- 2.7	6.7	-1.8	8	113	- 53	2	103
IZUHARA	34 12 N	129 18 E	22	31	1016.6	1019.4	7.0	- 1.7	6.1	-1.5	9	46	- 81	1	114
FUKUOKA	33 35 N	130 23 E	14	31	1017.5	1019.2	7.6	- 1.7	6.6	-1.5	9	75	- 19	3	104
OITA	33 14 N	131 37 E	13	31	1017.2	1018.8	6.8	- 1.9	6.4	-1.6	7	100	+ 13	4	106
NAGASAKI	32 44 N	129 52 E	35	31	1014.6	1018.9	8.3	- 1.8	7.0	-1.6	9	75	- 29	2	106
KAGOSHIMA	31 34 N	130 33 E	5	31	1017.6	1018.2	9.6	- 1.6	8.0	-1.7	15	114	- 33	3	90
KAGOSHIMA/YOSHINO	31 38 N	130 35 E	283			U									
MIYAZAKI	31 55 N	131 25 E	7	31	1017.0	1017.9	8.7	- 2.3	7.7	-2.0	12	128	- 5	3	96
KOCHI	33 34 N	133 33 E	18	31	1015.5	1017.7	7.6	- 2.5	6.1	-2.1	7	70	- 83	1	106
SHIMIZU/ASHIZURI	32 43 N	133 01 E	32	31	1013.5	1017.5	9.5	- 2.4	7.2	-1.8	11	160	+ 12	3	102
NAZE	28 23 N	129 30 E	7	31	1016.5	1017.4	15.1	- 1.5	13.2	-0.5	19	300	+114	5	76
NAZE/FUNCHATOGE	28 23 N	129 33 E	295			U									
ISHIGAKIJIMA	24 20 N	124 10 E	7	31	1015.4	1016.2	20.2		18.8	-0.1	10	164	+ 42	4	79
MIYAKOJIMA	24 47 N	125 17 E	41	31	1011.7	1016.5	19.3	- 0.1	18.0	-0.1	7	70	- 65	1	87
NAHA	26 14 N	127 41 E	36	31	1012.8	1017.0	17.5	- 0.5	15.7	-0.2	13	206	+ 62	4	56
MINAMIDAITOJIMA	25 50 N	131 14 E	15	31	1015.0	1017.0	18.1	- 0.7	16.4	-0.1	9	164	+ 80	5	65
CHICHIJIMA	27 05 N	142 11 E	4			U									
MINAMITORISHIMA	24 18 N	153 58 E	9			U									
SYRIAN ARAB REPUBLIC															
KAMISHLI	37 03 N	41 13 E	455	31	960.7	1014.0	12.3	+ 1.0	8.8	+0.5	14	63	- 11		49
DEIR EZZOR	35 19 N	40 09 E	212	31	987.5	1012.6	13.8	+ 0.7	9.3	+1.0	8	42	+ 13		52
PALMYRA	34 33 N	38 18 E	404	31	965.8	1011.9	13.6	+ 0.7	8.3	+0.4	13	57	+ 35		50
DAMASCUS/NEW INTL AP	33 25 N	36 31 E	611	31	942.4	1012.8	11.9	+ 0.6	8.1	+0.6	11	135	+121		54
HAMA	35 08 N	36 43 E	309	31	990.4	1015.0	9.2	- 2.6	6.4	-2.9	12	54	+ 9		
ALEPPO	36 11 N	37 13 E	393	31	968.0	1014.2	11.9	+ 1.2	9.2	+0.1	11	37	- 9		52
ISRAEL															
BET DAGAN	32 00 N	34 49 E	35			U									
BEN GURION INT AP	32 00 N	34 54 E	49	31	1008.5	1013.3	15.7		12.5		10	89		5	89
JERUSALEM	31 47 N	35 13 E	809	31	927.4	1473 Y	11.8		8.6		12	118		4	83
EILAT	29 33 N	34 57 E	13	31	1012.1	1013.2	20.5		8.9		1	4		3	90
							S21.4								

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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															
JORDAN															
H-4	32 30 N	38 12 E	688	31	934.2	1012.0	14.1		7.8		6	13			73
MAFRAQ	32 22 N	36 16 E	687			U									
AMMAN AIRPORT	31 59 N	35 59 E	762	31	923.5	1012.7	12.7	+ 1.0	8.7	+0.7	8	80	+ 36	4	68
MA'AN	30 10 N	35 47 E	1070	31	892.1	1496 Y	13.5		6.6		2	9			81
KUWAIT															
KUWAIT INTL AIRPORT	29 13 N	47 59 E	55	31	1007.5	1014.2	20.3	+ 0.7	10.7	+0.3	5	17	+ 5		70
SAUDI ARABIA															
EL-WEJH	26 14 N	36 26 E	19		1008.6	1011.2	22.4				0	0			
YENBO	24 07 N	38 03 E	6		1008.9	1009.6	24.6		15.9		0	0			
JEDDAH (KING ABDULAZIZ) AP	21 40 N	39 09 E	8		1007.2	1008.0	26.1		18.9		0	0			
RAFHA	29 38 N	43 29 E	440		961.8	1012.7	18.2		9.1		6	24			
AL-JOUF	29 56 N	40 12 E	559		936.8	1013.1	16.6		6.2		3	17			
GIZAN	16 52 N	42 35 E	3		1008.6	1009.0	27.0		26.3		0	0			
BADANA	30 58 N	40 59 E	539		951.3	1015.0	15.5		9.6		5	15			
TABOUK	28 24 N	36 35 E	769		925.1	1011.8	18.1		6.9		3	22			
TURAIF	31 41 N	38 40 E	824		919.9	1014.2	13.6		7.5		4	25			
HAIL	27 31 N	41 44 E	988		900.1	1009.8	17.9		6.6		5	25			
MEDINA	24 31 N	39 42 E	632		938.3	1005.5	25.6		7.8		0	0			
TAIF	21 29 N	40 32 E	1457		854.8	1499 Y	21.0		12.0		2	23			
KHAMIS MUSHAIT	18 18 N	42 48 E	2057		798.0	1510 Y	17.5		11.1		1	1			
ABHA	18 08 N	42 23 E	2090		793.0	1491 Y	16.9		11.1		3	68			
BISHA	19 58 N	42 40 E	1161		883.6	1498 Y	23.6		8.6		5	25			
AL BAHA	20 18 N	41 38 E	1662		836.6	1522 Y	20.2		9.1		1	11			
SULAYIL	20 28 N	45 40 E	612		943.0	1011.9	24.3		8.5		4	23			
RIYADH	24 42 N	46 44 E	608		943.6	1012.8	22.4		8.8						
RIYADH(KING KHALED INT AP)	24 55 N	46 43 E	624		951.6	1022.5	27.3		16.7		4	42			
GASSIM	26 17 N	43 51 E	645		937.6	1011.4	21.0		8.8		5	16			
QAISUMAH	28 20 N	46 07 E	356		971.7	1012.9	20.4		8.4		3	28			
DHAHRAN	26 16 N	50 10 E	21		1011.1	1013.9	21.6		14.5		7	28			
NAJRAN	17 36 N	44 25 E	1210		880.3	1511 Y	23.5		8.5		0	T			
OMAN															
SUR	22 35 N	59 30 E			1012.7	1013.4	26.6		20.9		1	1			
SEEB INTERNATIONAL AP	23 35 N	58 17 E			1011.0	1012.6	26.8		17.0		0	0			
MASIRAH	20 41 N	58 54 E			1011.3	1013.5	25.6		22.7		1	7			
SALALAH	17 02 N	54 05 E	22		1010.2	1012.9	24.7		19.0		0	0			
THUMRAIT	17 44 N	53 56 E			962.1		24.9		10.8		0	0			
BAHRAIN															
BAHRAIN MUHARRAQ	26 16 N	50 37 E	2	31	1013.3	1013.5	21.9	+ 0.7	17.7	+0.8	4	30	+ 19	5	
UNITED ARAB EMIRATES															
ABU DHABI BATEEN AP	24 26 N	54 27 E	3	31		1013.3	23.4	+ 0.5	18.0	+1.4	1	1	- 14		100
ABU DHABI NEW INT AIRPORT	24 26 N	54 28 E	3			U									
DEMOCRATIC YEMEN															
ADEN KHORMAKSAR	25 15 N	51 34 E	3		1012.1	1012.4	26.1		24.4		0	0			
PAKISTAN															
PARACHINAR	33 52 N	70 05 E	1725	31	827.2	1495 Y	12.3	+ 2.4	6.6	-0.3	10	85	- 51		
PESHAWAR	34 01 N	71 35 E	359	31	970.1	1011.0	19.9	+ 2.5	10.9	-0.1	6	42	- 23	2	91
DERA ISMAIL KHAN	31 49 N	70 55 E	174	31	990.1	1009.9	22.1	+ 1.9	12.1	-0.5	4	24	- 3	3	
SARGODHA	32 03 N	72 40 E	184			U									
JHELUM	32 56 N	73 44 E	233	31	983.2	1009.9	21.9	+ 2.2	11.6		3	18			
LAHORE CITY	31 33 N	74 20 E	214	31	985.5	1009.9	22.7	+ 2.2	13.9	-1.4	1	19	- 5	3	108
QUETTA/SAMUNGLI	30 15 N	66 53 E	1601	31	842.0	1509 Y	12.9	+ 2.2	7.0	-0.7	5	41	- 1	3	113
MULTAN	30 12 N	71 26 E	123	31	996.0	1010.2	23.3	+ 1.4	15.3	-2.5	1	16	+ 3	4	
DALBANDIN	28 53 N	64 42 E	850	31	917.3	1499 Y	20.8	+ 3.4	7.4	-0.9	2	34	+ 22	5	
JACOBADAD	28 18 N	68 28 E	56	31	1003.3	1009.6	26.1	+ 2.2	11.5	-0.6	1	5	- 2	3	84
PANJGUR	26 58 N	64 06 E	969	31	903.9	1506 Y			8.5	-0.6	3	19	+ 2	4	
CHHOR	25 31 N	69 47 E	6	31	1009.1	1009.7	25.7		13.9		0	0			
JIWANI	25 04 N	61 48 E	56	31	1005.1	1011.7	24.9		20.7		1	16			
HYDERABAD	25 23 N	68 25 E	30	31	1006.9	1010.4	27.7	+ 1.7	16.3	+3.8	0	0	- 1	4	
KARACHI AIRPORT	24 54 N	67 08 E	22	31	1008.4	1010.9	25.4	+ 0.9	18.9	+1.8	0	1	- 4	4	97
BANGLADESH															
CHITTAGONG AMBAGAN	22 21 N	91 49 E	14			U									
INDIA															
SRINAGAR	34 05 N	74 50 E	1587	31	842.8	1513 Y	11.1	+ 2.6	8.5	+0.6	6	74	- 30	2	123
AMRITSAR	31 38 N	74 52 E	234	31	983.5	1010.3	20.7	+ 1.2	16.4	+3.6	2	64	+ 39		102
MUKTESWAR KUMAON	29 28 N	79 39 E	2311	31	772.8	3136 Z	13.9	+ 2.8	11.2	+5.3	1	18	- 27	1	
BIKANER	28 00 N	73 18 E	224	31	985.4	1010.5	26.1	+ 2.6	9.2	+0.1	0	0	- 6	3	
NEW DELHI/SAFDARJUNG	28 35 N	77 12 E	216	31	985.3	1009.7	24.1	+ 1.2	13.6	+3.6	0	0	- 17	1	100
AGRA	27 10 N	78 02 E	169	31	991.1	1010.2	25.7	+ 1.9	11.9	+1.5	0	0	- 11	2	
DIBRUGARH/MOHANBARI	27 29 N	95 01 E	111	31	997.5	1010.3	22.5	+ 1.9	18.7	+1.0	10	78	- 22	3	
JODHPUR	26 18 N	73 01 E	224	31	985.5	1009.9	26.5	+ 1.3	7.8	-0.3	0	0	- 2	3	
LUCKNOW/AMAUSI	26 45 N	80 53 E	128			U									
GAUHATI	26 06 N	91 35 E	54	31	1002.8	1008.9	23.5	+ 1.2	16.6	-1.0	3	15	- 38	2	
ALLAHABAD/BAMHRAULI	25 27 N	81 44 E	98	31	998.2	1009.2	25.3	+ 0.2	14.1	+3.4	0	0	- 14	2	

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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															
CHERRAPUNJI	25 15 N	91 44 E	1313	31	868.6	1497 Y	16.8	+ 0.1	12.3	-0.7	7	137	- 42	3	
AHMADABAD	23 04 N	72 38 E	55	31	1004.6	1010.7	27.5	+ 0.4	15.0	+3.0	0	0	- 1	4	107
SAGAR	23 51 N	78 45 E	551	31	948.9	1009.3	26.8	+ 1.3	11.2	+2.9	0	0	- 10	2	
INDORE	22 43 N	75 48 E	567	31	947.8	1010.2	26.0	+ 1.5	6.5	-2.0	0	0	- 3	3	
CALCUTTA/ALIPORE	22 32 N	88 20 E	6	31	1008.6	1009.3	28.1	+ 0.2	19.8	-1.3	0	0	- 27	1	83
CALCUTTA/DUM DUM	22 39 N	88 27 E	6			U									
NAGPUR/SONEGAON	21 06 N	79 03 E	310	31	975.1	1009.5	27.6	- 0.1	11.3	-0.8	0	0	- 22	1	100
VERAVAL	20 54 N	70 22 E	8	31	1009.7	1010.6	26.9	+ 2.2	21.9	+0.7	0	0	0	5	
BHUBANESWAR	20 15 N	85 50 E	46	31	1004.7	1009.9	29.0	+ 0.3	21.4	-1.6	0	0	- 21		
BOMBAY/SANTACRUZ	19 07 N	72 51 E	14			U									
JAGDALPUR	19 05 N	82 02 E	553	31	948.7	1009.0	26.1	- 0.4	13.3	-0.4	1	4	- 13	2	
BOMBAY/COLABA	18 54 N	72 49 E	11	31	1008.5	1009.7	28.4	+ 1.5	24.1	+0.4	1	3	+ 3	5	101
POONA	18 32 N	73 51 E	559	31	947.9	1009.1	26.3	+ 0.6	12.6	+1.6	0	0	- 3	4	97
HYDERABAD AIRPORT	17 27 N	78 28 E	545	31	949.6	1008.9	28.0	+ 0.8	15.5	-0.6	3	16	+ 3	4	80
VISHAKHAPATNAM	17 43 N	83 14 E	3	31	1010.1	1010.5	28.5	+ 0.4	24.7	-3.2	0	0	- 9	3	
MASULIPATNAM	16 11 N	81 08 E	3	31	1010.2	1010.5	26.9	- 0.2	27.3	0.0	0	0	- 9	4	
GOA/PANJIM	15 29 N	73 49 E	60	31	1002.9	1009.7	29.3	+ 1.7	27.5		0	0	- 1	5	
BELGAUM/SAMRA	15 51 N	74 37 E	747	31	927.9	1008.9	26.6	+ 0.1	17.6	+3.3	3	29	+ 14		
MADRAS/MINAMBAKKAM	13 00 N	80 11 E	16	31	1008.8	1010.5	27.9	0.0	27.3	+0.8	1	2	- 13	4	92
PANAMBUR	12 57 N	74 50 E	31			U									
BANGALORE	12 58 N	77 35 E	921	31	909.9	1515 Y	24.7	- 1.0	15.7	+2.1	4	92	+ 86	6	91
KOZHIKODE	11 15 N	75 47 E	5	31	1009.3	1009.9	28.9	+ 0.2	30.5	+1.5	3	30	+ 9	4	
PORT BLAIR	11 40 N	92 43 E	79	31	1001.8	1010.8	26.7	- 0.8	26.9	+0.2	1	16	0		90
COCHIN/ERNAKULAM	09 56 N	76 14 E	3			U									
PAMBAN	09 16 N	79 18 E	11	31	1008.9	1010.2	28.1	+ 0.2	28.8	-0.5	8	107	+ 83	5	
MINICOY	08 18 N	73 00 E	2	31	1009.6	1009.7	28.3	+ 0.6	30.5	+1.1	5	135	+119	6	
TRIVANDRUM	08 29 N	76 57 E	64	31	1002.5	1009.7	27.7	- 0.6	28.9	+1.0	11	151	+107	5	85
SRI LANKA															
MANNAR	08 59 N	79 55 E	3		1010.0	1010.4	28.0	+ 0.1	29.5	+2.0	8	138	+ 94	5	
TRINCOMALEE	08 35 N	81 15 E	7		1001.5	1010.3	27.5	+ 0.2	29.7	+2.1	7	74	+ 26	4	
COLOMBO	06 54 N	79 52 E	6		1009.4	1010.2	27.3	+ 0.1	29.0	+1.2	12	163	+ 45	4	
HAMBANTOTA	06 07 N	81 08 E	20		1008.3	1010.0	27.0	- 0.1	28.8	+0.8	8	142	+ 76	5	
MONGOLIA															
MUREN	49 38 N	100 10 E	1288		870.6	1025.5	- 7.0		1.8		0	T			
BULGAN	48 48 N	103 33 E	1210		887.7	1026.5	-12.2		2.0		4	11			
CHOIBALSAN	48 04 N	114 30 E	756		930.1	1025.0	-12.9		1.2		1	4			
ULIASTAI	47 45 N	96 51 E	1753		820.6	1026.4	-12.9		1.4		0	1			
ARBAIHER	46 16 N	102 47 E	1813		813.7	1023.7	- 8.2		2.0		4	9			
ULAN-BATOR	47 56 N	106 59 E	1338		607.6	1014.2	-10.5		2.1		0	1			
MANDALGOVI	45 46 N	106 17 E	1398		855.9	1019.6	- 4.5		2.3		2	1			
SAINSHAND	44 54 N	110 07 E	936		908.8	1023.1	- 6.2		2.0		0	T			
DALANZADGAD	43 35 N	104 25 E	1470		850.7	1022.6	- 4.4		2.1		0	T			
NEPAL															
KATHMANDU AP	27 42 N	85 22 E	1336		864.8	1486 Y	17.4		13.2		1	14			
DHANKUTA	26 59 N	87 21 E	1445		854.1	1486 Y	17.5		12.2		1	18		1	
BURMA															
MEIKTILA	20 50 N	95 50 E	220			U									
THAILAND															
UBON RATCHATHANI	15 15 N	104 53 E	127			U									
MALAYSIA															
PENANG/BAYAN LEPAS	05 18 N	100 16 E	4	31	1009.2	1009.6	26.9	- 0.5	30.4	+2.4	12	178	+ 39	3	95
KOTA BHARU	06 10 N	102 17 E	5	31	1009.5	1010.1	26.3	- 0.5	28.7	+0.4	10	261	+153	5	85
KUALA LUMPUR/SUBANG	03 07 N	101 33 E	17	31	1008.0	1010.5	26.5	- 0.3	29.4	+0.5	17	257	+ 38	4	85
KUANTAN	03 47 N	103 13 E	16	31	1008.5	1010.3	25.7		28.9	+0.8	12	166	- 7	3	85
MALACCA	02 16 N	102 15 E	11	31	1008.8	1009.9	26.5	- 0.2	29.6	+0.4	12	361	+210	6	85
KUCHING	01 29 N	110 20 E	27	31	1007.6	1010.1	25.6	- 0.2	28.3	-0.5	15	516	+172	5	85
KOTA KINABALU	05 57 N	116 03 E	7	31	1008.9	1009.2	26.7	+ 0.4	29.9	+1.5	10	151	+ 65	5	100
SINGAPORE															
SINGAPORE/PAYA LEBAR	01 22 N	103 55 E	32	31	1008.0	1009.8	26.5		29.4		16	361		5	85
CHINA															
HAILAR	49 13 N	119 45 E	614		943.9	1023.8	-17.1		1.5		2	6		3	70
QIQIHAR	47 23 N	123 55 E	147		999.6	1018.6	- 7.1		2.3		2	16		5	95
ALTAY	47 44 N	88 05 E	735		937.3	1029.7	- 6.6		3.0		3	12		4	90
URUMQI	43 54 N	87 28 E	654		916.0	1026.9	- 0.5		4.4		5	21		4	90
EREN	43 39 N	112 00 E	966		905.6	1024.1	- 6.9		1.2		1	1			95
YANJI	42 53 N	129 28 E	178		995.6	1018.4	- 4.8		2.6		4	16		5	90
HAMI	42 49 N	93 31 E	739		932.5	1020.7	4.5		2.6		0	T		3	105
SHENYANG	41 49 N	123 33 E	43		1014.8	1020.3	- 1.4		2.7		5	20		4	95
BEIJING	39 48 N	116 28 E	32		1014.0	1020.9	3.9		2.8		1	2		1	105
JIUQUAN	39 46 N	98 31 E	1478		852.9	1022.7	1.7		2.5		1	2		3	95
KASHI	39 28 N	75 59 E	1291		871.1	1017.1	8.6		4.3		0	T		3	110
RUOQIANG	39 02 N	88 10 E	889		915.0	1019.8	7.2		2.9		0	T		4	100
YINCHUAN	38 29 N	106 13 E	1113		891.3	1021.9	2.5		2.4		0	0		1	115
TAIYUAN	37 47 N	112 33 E	779		928.1	1021.6	2.4		2.8		1	10		3	45

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															
CHINA															
DULAN	36 20 N	98 02 E	3192		688.8		- 1.9		1.5		2	4		2	85
QINGDAO	36 04 N	120 20 E	77		1011.6	1021.3	4.0		5.1		0	T		0	105
LANZHOU	36 03 N	103 53 E	1518		847.8		4.8		3.6		3	15		5	95
QAMDO	31 11 N	96 59 E	3242		679.0		5.5		3.0		2	20		6	100
CHENGDU	30 40 N	104 01 E	508		957.9	1017.8	11.7		10.9		3	8		1	95
LHASA	29 42 N	91 08 E	3659		650.7		5.9		1.9		0	T		2	105
XICHANG	27 53 N	102 18 E	1592		834.4		16.0		6.7		0	T		2	95
TENGCHONG	25 07 N	98 29 E	1649		835.0		13.3		8.2		0	T		0	80
PHILIPPINES															
APARRI	18 22 N	121 38 E	4	31	1011.6	1011.9	25.5	- 0.4	29.8	+3.4	8	141	+101	6	
DAGUPAN	16 03 N	120 20 E	2	31	1011.0	1011.2	28.4	+ 0.1	28.1	+1.7	4	21	- 1	4	
MANILA INT. AIRPORT	14 31 N	121 00 E	15	31	1010.5	1011.7	28.3	+ 0.9	24.9	0.0	2	3	- 1	3	
TAYABAS	14 02 N	121 35 E	158	31	991.8	1009.1	26.9	+ 1.4	28.1	+3.2	9	43	- 30		
DAET	14 08 N	122 59 E	4	31	1011.5	1012.0	27.1	+ 0.7	29.8	+1.7	12	167	+ 2	3	
CALAPAN	13 25 N	121 11 E	40	31	1007.0	1011.7	26.9	+ 0.1			8	25	- 30		
LEGASPI	13 08 N	123 44 E	19	31	1009.4	1011.6	27.1	+ 0.7	29.8	+1.7	21	220	+ 12	4	
CATARMAN	12 29 N	124 38 E	6	31	1009.9	1010.6	26.2	+ 0.3	29.8	+1.7	23	216	+ 10		
CATBALOGAN	11 47 N	124 53 E	5	31	1010.2	1010.8	27.2	+ 0.2	28.1	+1.7	18	244	+120	5	
TACLOBAN	11 15 N	125 00 E	21	31	1010.4	1010.7	26.6	- 0.1	29.8	+3.4	15	195	+ 64	4	
ILOILO	10 42 N	122 34 E	14	31	1010.1	1011.0	28.2	+ 1.4	31.7	+5.3	13	97	+ 63	5	
CEBU	10 20 N	123 54 E	35	31			28.1	+ 0.8	29.8	+3.4	5	29	- 25	2	
MACTAN	10 18 N	123 58 E	9	31							11	29	+ 4	2	
DIPLOG	08 36 N	123 21 E	5	31	1008.9	1009.5	28.9	+ 1.2			11	40	- 52	3	
TAGBILARAN	09 36 N	123 51 E	6	31	1009.7	1010.4	26.8	+ 0.1	29.8	+1.7	13	111	+ 23		
CAGAYAN DE ORO	08 29 N	124 38 E	6	31	1008.5	1009.2	27.1	+ 0.4	29.8	+3.4	7	146	+100		
DAVAO AIRPORT	07 07 N	125 39 E	25	31	1007.9	1009.9	26.7	- 0.6	29.8	+1.7	12	160	+ 74		
ZAMBOANGA	06 54 N	122 04 E	6	31	1009.3	1010.0	28.4	+ 1.2	28.1	0.0	9	13	- 31	1	
AUSTRALASIA															
INDONESIA															
SABANG	05 52 N	95 19 E	126	31	997.3	1011.7	26.1		27.5		13	56	- 87		
MEDAN/POLONIA	03 34 N	98 41 E	25	31	1006.3	1009.5	26.4		28.1		17	143	+ 25		
GUNUNG SITOLI/BINAKA	01 16 N	97 37 E	6	31	1009.2	1010.3	25.6		28.6		27	195			
TANJUNGPINANG/KIJANG	00 55 N	104 32 E	18	31	1008.6	1010.9	25.3		28.7		18	371	+ 84		
TAREMPA	03 12 N	106 15 E	3	31	1006.8	1007.4	26.8		29.4		9	78	- 72		
SINGKEP/DABO	00 29 S	104 35 E	31	31	1006.0	1009.7	25.6		29.2		21	520	+310		
PALEBANG/TALANGBETUTU	02 54 S	104 42 E	10	31	1008.8	1010.3	26.3		29.8		25	130	-157		
PANGKALPINANG	02 10 S	106 08 E	33	31	1005.6	1009.7	25.3		28.0		26	250	+ 2		
PONTIANAK/SUPADIO	00 01 S	109 23 E	0	31	1009.2	1009.8	26.1		29.0		21	258	+ 51		
KETAPANG/RAHADI USMAMAN	01 51 S	109 58 E	9	31	1010.3	1011.7	25.3		29.1		17	260			
BALIKPAPAN/SEPINGGAN	01 16 S	116 54 E	3	31	1009.3	1010.0	26.1		29.8		18	335	+ 82		
PANGKALAN BUN/ISKANDAR	02 42 S	110 42 E	25	31	1006.8	1010.0	25.6		28.0		25	310			
KOTABARU	03 24 S	116 13 E	18	31	1009.4	1009.9	26.2		29.2		24	365			
JAKARTA/TANJUNG PRIOK	06 06 S	106 52 E	2	31	1009.4	1010.0	27.4		28.5		12	123			
JAKARTA/KEMAYORAN	06 09 S	106 51 E	5	31	1009.4	1010.2	26.7		29.2		12	325	+148		
JAKARTA/OBS	06 11 S	106 50 E	8	31	1008.9	1009.9	26.3		29.4		16	304	+103		
BANDUNG/HUSEIN	06 54 S	107 35 E	740	31	928.2	1014.2	22.7		23.2		24	233	+ 10		
SURAKARTA/PANASAN	07 52 S	110 55 E	104	31	995.4	1007.9	27.0		26.1		19	323			
KALIANGET(MADURA)	07 03 S	113 58 E	3	31	1008.1	1008.4	26.7		31.0		18	287			
SURABAYA	07 13 S	113 43 E	3	31	1009.1	1009.8	27.7		29.6		20	170			
SANGKAPURA	05 51 S	112 38 E	3	31	1009.7	1010.4	26.5		29.3		20	391	+129		
SURABAYA/PERAK	07 13 S	112 43 E	3	31	1009.0	1009.7	26.7		29.9		15	178	- 35		
GORONTALO/JALALUDDIN	00 31 N	123 04 E	2	31	1007.1	1009.5	27.1		28.7		19	98	+ 3		
KENDARI/WOLTERMONGINSIDI	04 06 S	122 26 E	50	31	1002.6	1008.9	27.2		33.1		21	269	+ 43		
UJUNG PANDANG/HASANUDDIN	05 04 S	119 33 E	14	31	1008.3	1010.3	25.9		29.5		24	518	+139		
DENPASAR/NGURAH-RAI	08 45 S	115 10 E	1	31	1009.0	1009.7	26.8		30.1		19	206	- 5		
SUMBAWABESAR	08 26 S	117 25 E	3	31	1008.2	1008.9	26.1		29.7		17	147	- 80		
MAUMERE/WAI OTI	08 38 S	122 15 E	3	31	1006.1	1009.2	26.4				19	153	- 35		
KUPANG/PENFUI	10 10 S	123 40 E	108	31	995.8	1007.5	26.3		27.7		11	258	+ 89		
TERNATE/BABULLAH	00 47 N	127 23 E	23	31	1006.1	1006.3	26.3		29.7		19	334	+169		
SANANA	02 05 S	126 00 E	2	31	1007.3	1010.2	27.0		29.7		22	134	+ 16		
SENTANI	02 34 S	140 29 E	99	31	998.0	1008.1	26.6		28.2		18	81			
NABIRE	03 20 S	135 30 E	3	31	1007.8	1008.5	26.7		30.2		20	442	- 8		
AMAHAI	03 21 S	128 53 E	10	31	1002.8	1009.6	26.0		28.2		23	168			
TUAL/DUMATUBUN	05 41 S	132 45 E	12	31	1008.6	1009.5	26.4		29.6		23	328	- 1		
SAUMLAKI	07 59 S	131 18 E	24	31	1002.7	1010.0	27.3		26.7		17	166			
PAPUA NEW GUINEA															
MOMOTE M.O.	02 04 S	147 26 E	5		1008.5	1009.1	27.9	+ 0.9	30.0		16	274		3	
RABAUL M.O.	04 13 S	152 11 E	9		1007.8	1008.8	27.4	+ 0.4	29.8		24	227		3	
MADANG	05 13 S	145 48 E	12		1008.3	1008.9	27.0	+ 0.4	30.0		20	330		3	
PORT MORESBY AIRPORT	09 26 S	147 13 E	47		1002.8	1008.1	27.1		28.6		19	156		3	
AUSTRALIA WESTERN															
BROOME	17 57 S	122 13 E	9		1006.9	1007.9	29.1	- 0.6	28.1	-0.2	8	77	- 18	4	
PORT HEDLAND	20 23 S	118 37 E	11		1007.6	1008.3	29.7	- 0.8	22.4	-0.4	6	135	+ 98	4	
NORTH WEST CAPE	21 49 S	114 10 E	8		1008.4	1009.0	28.7	- 1.2	19.7		3	24			
CARNARVON	24 53 S	113 39 E	4		1010.1	1010.9	25.7	- 0.9	18.2	-1.6	6	52	+375		
GERALDTON	28 48 S	114 42 E	34		1009.8	1013.7	23.1	- 1.2	14.0	-1.7	5	38	+ 26	5	
PERTH AIRPORT	31 56 S	115 58 E	18		1015.3	1016.7	20.9	- 1.6	12.4	-2.5	4	29	+ 13	4	101

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		%
AUSTRALASIA															
AUSTRALIA WESTERN															
ALBANY M.O.	34 57 S	117 48 E	69		1009.7	1017.8	18.3	- 0.5	13.5	-0.9	8	28	- 5	3	
ESPERANCE M. O.	33 49 S	121 53 E	25		1014.9	1018.0	19.3	- 0.7	13.4	-1.7	5	17	- 29	3	
HALLS CREEK	18 14 S	127 40 E	408		961.4	1008.0	27.5	- 1.8	19.1	+0.8	10	260	+210	6	
GILES	25 02 S	128 18 E	599		946.3	1012.0	25.1	- 2.3	10.6	+0.6	4	32	+ 15		88
MEEKATHARRA	26 35 S	118 30 E	518		954.2	1011.3	25.1	- 3.1	12.9	+1.0	5	134	+110	5	
KALGOORLIE	30 46 S	121 27 E	360		975.1	1016.0	20.6	- 2.2	12.9	-0.2	5	80	+ 61	5	
FORREST	30 50 S	128 06 E	157		998.1	1016.7	20.3	- 1.2	13.0	-0.6	3	12	- 5	4	
AUSTRALIA-NORTHEASTERN															
WILLIS ISLAND	16 18 S	149 59 E	8		1008.9	1009.9	27.6	- 0.1	30.7	+0.6	5	74	-117	1	
THURSDAY ISLAND	10 35 S	142 13 E	61		1002.1	1009.0	26.9	- 0.2	31.1	+0.5	23	425	+ 82	4	
DARWIN AIRPORT	12 26 S	130 52 E	29		1004.7	1008.1	27.9	+ 2.0	30.2	+0.4	23	359	+ 76	4	78
TENNANT CREEK M.O.	19 33 S	134 11 E	376		968.2	1010.0	27.1	- 1.0	15.0	-1.5	9	190	+141	5	93
ALICE SPRINGS	23 48 S	133 53 E	549		951.7	1012.6	23.9	- 1.0	9.9	-0.8	0	1	- 21	2	92
MT. ISA M.O.	20 40 S	139 29 E	340		972.1	1010.0	26.5	- 1.3	16.7	+0.1	5	570	+467		94
LONGREACH M. O.	23 26 S	144 15 E	193		990.0	1011.7	26.9	+ 0.1	17.1		2	18	- 68	1	
CHARLEVILLE	26 25 S	146 17 E	304		978.7	1012.9	25.3	+ 0.2	13.4	-2.3	4	30	- 45	3	
CAIRNS	16 55 S	145 44 E	7		1010.0	1010.8	26.4	- 0.3	26.3		12	336	-128	3	
TOWNSVILLE	19 16 S	146 46 E	6		1011.2	1011.9	26.5		25.0	-0.1	7	98	-138	2	123
MACKAY	21 07 S	149 10 E	31		1009.1	1012.7	25.1	- 0.1	24.9	-1.2	9	55	-231	1	
GLADSTONE	23 51 S	151 16 E	76		1005.2	1013.9	25.7	- 0.1	21.7	-1.2	6	34	- 56	2	
BRISBANE AIRPORT	27 26 S	153 05 E	6		1013.8	1013.8	23.8	- 0.2	19.5	-1.1	4	70	- 81	2	114
AUSTRALIA-SOUTHEASTERN															
OODNADATTA	27 33 S	135 27 E	113		1001.8	1015.2	25.0	- 1.4	9.2	-1.9	0	1	- 14	2	104
WOOMERA	31 09 S	136 48 E	166		996.9	1016.1	22.6	- 0.9	8.8	-3.3	1	1	- 13	2	106
MOREE	29 28 S	149 51 E	212		989.4	1013.6	22.9	- 1.0	15.8	-1.8	2	27	- 33	3	
COFF S HARBOUR	30 18 S	153 08 E	5		1014.6	1015.2	21.5	- 0.5	18.9	-1.5	8	129	-121	2	101
COBAR M.O.	31 29 S	145 50 E	265		984.5	1014.8	20.9	- 2.6	11.2	-1.2	1	7	-	3	
MILDURA	34 14 S	142 05 E	53		1015.5	1016.7	19.3	- 1.7	11.2	-1.7	1	20	- 5	4	
WAGGA	35 10 S	147 28 E	214		990.9	1015.4	17.9	- 2.5	11.8	-1.5	4	17	- 28	3	
CANBERRA	35 18 S	149 12 E	577		949.4	1015.1	15.2	- 2.3	11.5	-1.3	4	56	+ 3	4	111
CEDUNA	32 08 S	133 42 E	17		1015.5	1017.5	19.3	- 0.5	12.0	-1.8	3	6	- 13	3	100
ADELAIDE AIRPORT	34 57 S	138 32 E	11		1016.7	1017.2	19.1	- 0.6	10.8	-1.6	6	23	+ 5	4	112
MT. GAMBIER M.O.	37 45 S	140 47 E	69		1008.1	1016.3	16.9	+ 0.5	12.1	-1.0	9	112	+ 79	5	97
LAVERTON AIRPORT	37 52 S	144 45 E	14		1014.9	1016.6	16.6	- 1.4	12.3	-1.2	7	36	- 2	3	103
EAST SALE	38 06 S	147 08 E	8		1015.5	1016.4	15.6	- 1.8	13.0	-1.6	8	32	- 23	2	105
SYDNEY AIRPORT	33 57 S	151 11 E	8		1015.3	1015.8	19.8	- 1.3	14.9	-3.2	8	149	+ 37	4	112
WILLIAMTOWN	32 49 S	151 50 E	9		1014.4	1015.7	19.6	- 1.7	17.1	-1.4	10	214	+102	5	97
HOBART AIRPORT	42 50 S	147 30 E	7		1014.6	1015.0	15.1	- 0.5	10.8	-0.5	6	28	- 9	2	104
NEW ZEALAND															
KAITAIA AERODROME	35 04 S	173 17 E	80	31	1005.8	1015.1	18.7		18.2		17	152		5	180
AUCKLAND AERODROME	37 01 S	174 48 E	6	31	1015.4	1016.2	18.7		18.3		16	194		5	154
GISBORNE AERODROME	38 40 S	177 59 E	8	31	1016.0	1017.0	17.4		16.2		13	102		4	153
NEW PLYMOUTH AERODROME	39 01 S	174 11 E	36	31	1011.3	1015.6	17.9		16.8		15	245		6	160
WELLINGTON	41 17 S	174 46 E	128	31	999.7	1015.2	16.0		14.0		14	148		5	176
CHRISTCHURCH AERODROME	43 29 S	172 32 E	34	31	1009.6	1013.8	15.5		13.2		9	104		5	142
HOKITIKA AERODROME	42 43 S	170 59 E	40	31	1008.7	1014.8	16.3		15.1		19	346		5	137
INVERCARGILL AERODROME	46 25 S	168 20 E	1	31	1013.8	1014.0	13.2		13.0		13	110		4	101
NORTH PACIFIC															
LIHUE, KAUAI, HAWAII	21 59 N	159 21 W	45	31	1012.9	1018.3	24.0	+ 1.8	21.1		6	24	- 90	1	155
HONOLULU, OAHU, HAWAII	21 21 N	157 56 W	5	31	1017.3	1017.8	24.3	+ 0.7	19.4		5	27	- 61	2	101
HILO/GEN. LYMAN, HAWAII	19 43 N	155 04 W	11	31	1016.9	1018.4	23.2	+ 1.3	19.7		13	86	-259	1	165
WAKE ISLAND	19 17 N	166 39 E	4	31	1015.9	1016.4	27.2	+ 1.8	23.6		3	30	- 19	3	116
JOHNSTON ISLAND	16 44 N	169 31 W	5	31	1015.2	1015.7	26.4	+ 1.5	24.3		3	10	- 59	1	112
GUAM, TAGUAC, MARIANA IS.	13 33 N	144 50 E	111	31	999.7	1012.4	25.3	- 0.1				102	- 4		77
YAP, CAROLINE ISLANDS	09 29 N	138 05 E	17	31	1008.8	1010.6	27.4	+ 0.2	29.3		13	99	- 60	2	112
KWAJALEIN, MARSHALL IS.	08 43 N	167 44 E	8	31	1010.5	1011.2	28.3	+ 0.4	26.6		8	27	-104	1	
TRUK, CAROLINE ISLANDS	07 28 N	151 51 E	2	31	1009.8	1010.2	28.1	+ 0.7	28.8		17	210	- 21	3	92
KOROR, PALAU ISLANDS	07 20 N	134 29 E	33	31	1006.4	1010.2	27.6	+ 0.2	29.9		23	345	+137	5	85
MAJURO, MARSHALL ISLANDS	07 05 N	171 23 E	3	31	1010.7	1011.0	27.8	+ 0.5				33	-195		138
PONAPE, CAROLINE ISLANDS	06 58 N	158 13 E	46	31	1004.4	1009.5	28.2	+ 0.9	28.4		19	240	-129	1	76
TARAWA, GILBERT ISLANDS	01 21 N	172 55 E	4	31	1007.2	1007.6	27.7		30.7		13	33		1	
SOUTH PACIFIC															
HONIARA/HENDERSON	09 25 S	160 03 E	9		1007.4	1008.4	26.6		28.6	-0.2	15	267		1	88
FUNAFUTI, ELLICE IS.	08 31 S	179 13 E	2	31	1008.7	1008.9	27.7		30.6		20	454		5	
ATUONA, MARQUESAS ISLAND	09 48 S	139 02 W	52	31	1004.2	1010.1	26.8		29.2		22	264		5	85
HIHIFO/AERO/WALLIS IS.	13 14 S	176 10 W	27	31	1005.8	1008.9	26.6	- 0.4	30.0	-0.3	24	560	+178	5	61
APIA, SAMOA	13 48 S	171 47 W	2	31	1008.5	1008.8	26.7		30.9		22	277		2	118
PAGO PAGO, SAMOA	14 20 S	170 43 W	3	31	1009.1	1009.4	27.4	+ 0.2				491	+202		23
RANGIROA	14 58 S	147 40 W	4	31	1010.2	1010.6	28.1		29.3		18	290		5	85
TAKAROA, TUAMOTU IS.	14 29 S	145 02 W	3	31	1010.4	1010.7	28.3		30.4		18	204		5	85
HAO, TUAMOTU IS.	18 04 S	140 57 W	3	31	1011.2	1011.6	27.8		30.0		16	192		5	75
HEREHERETUE, TUAMOTU IS.	19 52 S	145 00 W	3	31	1011.0	1011.4	27.9		29.8		13	92		2	100
BORA-BORA, SOCIETY IS.	16 29 S	151 45 W	3	31	1010.0	1010.3	28.5		31.0		14	198		4	105
TAHITI, SOCIETY IS.	17 33 S	149 37 W	2	31	1010.6	1010.9	27.7		28.6		12	185		4	110
NANDI, FIJI IS.	17 45 S	177 27 E	18	31	1006.4	1008.5	26.7		28.7		14	322		3	198
NAUSORI	18 03 S	178 34 E	5	31	1007.4	1008.4	26.0		27.3		14	275		2	
KOUMAC/NOUVELLE-CALEDONIE	20 34 S	164 17 E	18	31	1008.0	1010.1	26.0	+ 0.4	26.0	-0.2	3	11	-125	0	139

SURFACE DATA

MARCH 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															
SOUTH PACIFIC															
NOUMEA/NOUVELLE-CALEDONIE	22 16 S	166 27 E	72	31	1002.6	1011.0	25.3	+ 0.1	25.0	-0.1	3	8	-110	0	133
RAROTONGA, COOK IS.	21 12 S	159 49 W	7	31	1010.0	1010.8	26.1		27.8		18	196		2	171
TOTEGEGIE, GAMBIER IS.	23 06 S	134 52 W	3	31	1003.2	1013.3	25.1		28.0		21	458			
MURUROA	21 49 S	138 49 W	3	31	1012.2	1012.6	27.3		30.9		17	357		6	90
TUBAI, AUSTRAL IS.	23 21 S	149 29 W	3	31	1012.4	1012.7	25.6		27.6		10	223		4	105
RAPA, AUSTRAL IS.	27 37 S	144 20 W	6	31	1014.5	1014.8	22.9		22.5		11	324		4	105
RAOUL IS.,KERMADEC IS.	29 15 S	177 55 W	49	31	1008.6	1014.3	22.6		24.3		18	121		3	117
NORFOLK ISLAND	29 03 S	167 56 E	109		1001.1	1013.7	21.9	+ 0.2	20.5	-0.2	8	94		3	107
LORD HOWE ISLAND	31 32 S	159 04 E	11		1009.3	1014.6	21.3	- 0.9	18.4	-2.5	10	125		4	
CHATHAM ISLAND	43 57 S	176 34 W	48	31	1013.6	1019.3	15.5		15.6		7	99		4	125
CAMPBELL ISLAND	52 33 S	169 09 E	19	31	1012.4	1014.7	9.8		11.6		9	39		0	70
MACQUARIE ISLAND	54 30 S	158 57 E	5		1009.4	1010.2	8.1	+ 1.9	9.2		11	40		1	95
COCOS ISLAND AP	12 11 S	96 49 E	3		1009.5	1009.8	26.9	- 0.5	30.2	+1.1	15	447		5	
OCEAN SHIPS STATIONS															
SHIP L	57 00 N	20 00 W		31		1017.0	6.4 S 9.2		7.5						

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	SUNSHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
DECEMBER 1983															
SOUTH AMERICA															
BRAZIL SOUTHERN															
ARAXA	19 34 S	46 58 W	950		899.9	1012.5	19.3	- 1.8	21.3	+0.9	26	268	-101	2	
JANUARY 1984															
AFRICA															
MOZAMBIQUE															
VILA CABRAL	13 17 S	35 15 E	1365	31	862.9	1493 Y	20.2	- 0.2	18.5	-1.0	11	160	- 90		138
TETE	16 11 S	33 35 E	150	31	990.3	1007.1	30.3	+ 2.1	23.5	-4.9	3	10	-154		
NAMPULA	15 06 S	39 17 E	441	31	957.6	1007.4	24.9	- 1.1	25.0	-0.3	16	125	-145		104
PORTO AMELIA	12 58 S	40 30 E	50	31	996.5	1007.7	26.5	- 1.1	28.5	+0.3	14	170	+ 4		91
QUELIMANE	17 53 S	36 53 E	8	31	1006.2	1008.1	27.0	- 1.1	28.3	+0.4	14	403	+139	5	115
BEIRA/SACADURA CABRAL	19 48 S	34 54 E	16	31	1006.3	1008.1	28.2	+ 0.8	26.9	-0.2	6	43	-245	0	127
INHAMBANE	23 52 S	35 23 E	15	31			26.3	- 0.9	26.4	+1.7	13	302	+151	5	115
MAPUTO/MAVALANE	25 55 S	32 34 E	44	31	1005.9	1011.1	25.9	- 0.3	25.2	+1.3	10	295	+155		110
FEBRUARY 1984															
EUROPE															
ROMANIA															
CLUJ	46 47 N	23 34 E	415	29	971.0	1022.7	- 4.7	- 2.3	4.6	+0.2	7	65	+ 32		83
BISTRITA	47 09 N	24 31 E	366	29	980.8	1026.8	- 1.2	+ 1.0	4.4	-0.3	6	20	- 21	2	
IASI	47 10 N	27 36 E	103	29	1011.4	1024.7	- 3.1	- 0.8	4.7	+0.2	10	66	+ 36	5	94
TIMISOARA	45 46 N	21 15 E	91	29	1010.1	1021.0	1.5	+ 1.1	5.8	+0.6	6	25	- 18	2	84
SIBIU	45 48 N	24 09 E	452	29	967.2	1022.8	- 2.8	- 1.6	4.4	-0.4	6	48	+ 18	5	76
BUCURESTI/IMH	44 30 N	26 08 E	95	29	1010.3	1020.8	0.1	+ 0.7	5.6	+0.4	16	97	+ 61	5	
SULINA	45 09 N	29 40 E	9	29	1022.2	1023.3	1.0	+ 0.7	6.1	+0.6	6	22	+ 3	4	44
OCEAN WEATHER															
STATIONS															
SHIP R	47 00 N	17 00 W		29		1024.4	11.1		11.0						
							S11.9								

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		%
SEPTEMBER 1983															
SOUTH AMERICA															
BRAZIL-NORTHERN															
MANAUS	03 07 S	60 01 W	60						29.7	+0.2					
OCTOBER 1983															
SOUTH AMERICA															
BRAZIL-NORTHERN															
BOA VISTA	02 49 N	60 39 W	90									4	- 70		
MANAUS	03 07 S	60 01 W	60		1002.8										
CRUZEIRO DO SUL	07 38 S	72 36 W	170									192	- 59		
NOVEMBER 1983															
SOUTH AMERICA															
BRAZIL-NORTHERN															
S.GAB. DO CACHOEIRA/UAPES	00 08 S	67 05 W	87								11				
RIO BRANCO	09 58 S	67 48 W	136								17				
DECEMBER 1983															
SOUTH AMERICA															
BRAZIL-NORTHERN															
COARI	04 05 S	63 08 W	48		1003.8										
RIO BRANCO	09 58 S	67 48 W	136				25.9					288			
JANUARY 1984															
SOUTH AMERICA															
BRAZIL-NORTHERN															
S.GAB. DO CACHOEIRA/UAPES	00 08 S	67 05 W	87		999.7	1009.6									
FEBRUARY 1984															
SOUTH AMERICA															
BRAZIL-NORTHERN															
S.GAB. DO CACHOEIRA/UAPES	00 08 S	67 05 W	87				24.3	- 0.9	29.8	+1.6	23				
BRAZIL SOUTHERN															
BRASILIA/CRUZEIRO/	15 46 S	47 56 W	1161			1009.6	21.9		18.7		13	137			

UPPER AIR DATA

MARCH 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	1,025		-27.7	2.3					1,398	0	-16.6	8.6	3	68	77	5	2,846	0	-21.7	8.6	0	24	66	2	5,254	0	-36.4	7.4	0	49	259	5	8,645	1	-51.9		2	79	249	9
		11,280	1	-49.5		1	88	253	8	13,175	1	-47.6		2	84	253	7	15,861	3	-47.8		4	74	264	6	20,455	9	-47.3		9	59	298	4	23,809	14	-48.2		16	67	351	6
BARTER ISLAND	2	1,021		-28.1	4.9					1,379	0	-14.3	7.6	2	70	101	6	2,840	0	-19.7	8.6	2	24	197	1	5,268	0	-34.5	8.0	1	79	264	9	8,680	0	-52.8		1	83	262	17
		11,298	1	-50.3		2	83	268	12	13,185	1	-48.5		2	81	272	10	15,860	3	-48.1		4	67	286	7	20,431	3	-48.3		4	65	321	5	23,803	6	-48.4		7	60	352	5
KOTZEBUE	2	1,013		-14.7	5.4					1,358	2	-10.0	5.7	4	61	78	4	2,835	2	-17.6	10.5	3	24	93	2	5,276	2	-33.4	10.9	3	49	224	5	8,701	2	-53.3		4	63	221	10
		11,316	2	-51.1		4	80	205	7	13,200	2	-48.7		4	80	195	6	15,874	2	-48.1		2	75	199	4	20,446	2	-48.2		2	38	141	2	23,813	3	-48.2		3	53	72	3
NOME	2	1,008		-9.7	6.0					1,324	1	-10.0	8.4	3	70	74	5	2,804	1	-16.9	11.9	3	43	103	3	5,251	1	-32.7	10.4	1	48	179	5	8,679	1	-53.6		1	44	199	7
		11,291	2	-50.1		2	71	183	6	13,180	2	-48.4		2	75	177	5	15,859	2	-47.4		2	79	170	4	20,434	6	-48.2		7	67	127	3	23,814	8	-47.7		9	83	104	5
FAIRBANKS	2	992		-8.4	4.0					1,348	0	-5.8	4.8	0	52	146	3	2,849	0	-14.1	6.3	0	74	200	5	5,324	0	-30.0	9.5	1	81	223	9	8,772	0	-54.0		0	78	227	12
		11,370	0	-52.6		0	86	227	8	13,243	0	-50.0		0	88	230	7	15,903	1	-49.3		1	70	239	4	20,449	3	-49.3		3	21	322	1	23,797	3	-49.3		4	62	40	4
MCGRATH	2	994		-9.3	4.7					1,333	0	-5.0	5.3	5	60	123	3	2,832	0	-14.9	5.5	6	69	182	5	5,300	0	-30.7	6.9	5	65	188	7	8,745	0	-53.5		5	67	198	9
		11,353	0	-50.8		5	80	204	7	13,234	0	-49.1		5	84	206	6	15,897	0	-48.8		5	77	198	4	20,451	0	-49.1		5	51	123	2	23,807	0	-48.7		5	76	83	5
BETHEL	2	998		-5.8	2.7					1,306	0	-5.2	4.6	2	70	124	5	2,803	0	-14.9	5.8	0	71	146	5	5,268	0	-31.3	8.6	0	65	149	6	8,709	0	-53.3		0	58	156	8
		11,323	0	-50.2		0	79	170	8	13,208	0	-49.2		0	81	175	8	15,878	0	-48.0		1	84	162	6	20,438	0	-49.2		0	74	128	4	23,788	0	-49.2		0	82	102	6
ANCHORAGE	2	1,000		-0.2	5.9					1,343	0	-4.2	5.2	1	72	128	5	2,846	0	-14.2	4.5	0	81	158	7	5,320	0	-30.2	7.7	0	80	174	8	8,772	0	-53.0		0	71	180	11
		11,374	0	-52.3		0	81	191	9	13,247	0	-50.4		0	85	200	8	15,897	0	-49.8		0	81	197	6	20,422	0	-50.4		0	48	114	2	23,754	0	-50.2		0	79	72	5
ST. PAUL	2	998		-4.2	2.2					1,269	0	-7.8	4.9	1	69	92	7	2,756	0	-15.9	8.4	0	65	113	6	5,209	0	-32.7	7.7	0	59	129	6	8,639	0	-52.6		0	57	137	8
		11,260	0	-50.1		0	71	155	8	13,147	0	-48.0		1	75	159	8	15,831	3	-47.3		3	77	151	7	20,411	4	-48.6		4	89	126	6	23,757	7	-49.5		7	87	109	7
COLD BAY	2	993		-0.2	2.1					1,261	0	-6.2	2.9	3	38	119	4	2,759	0	-14.2	7.4	1	41	140	4	5,231	0	-30.9	8.4	1	58	169	7	8,684	0	-52.0		0	59	182	10
		11,311	1	-50.0		1	66	183	9	13,197	2	-49.1		2	70	184	9	15,864	2	-48.3		2	72	176	8	20,419	2	-49.5		2	73	138	5	23,758	3	-50.7		3	88	101	7
KING SALMON	2	997		0.0	3.0					1,293	0	-4.1	3.9	3	82	133	7	2,794	0	-14.3	4.7	2	86	140	8	5,268	0	-30.3	8.0	2	75	151	9	8,720	0	-52.4		2	58	181	9
		11,342	0	-50.1		6	72	185	8	13,226	0	-49.4		5	72	195	8	15,885	1	-49.0		4	76	185	7	20,422	1	-50.5		4	65	139	3	23,754	1	-50.5		3	75	82	5
YAKUTAT	2	1,006		1.8	1.7					1,370	0	-2.9	4.1	2	86	145	7	2,882	0	-12.3	4.7	1	74	162	6	5,374	0	-28.4	7.2	0	73	186	8	8,851	0	-52.3		1	69	207	11
		11,446	1	-54.2		2	76	223	8	13,306	0	-51.6		1	80	230	8	15,936	0	-52.0		0	73	242	5	20,419	0	-52.7		0	27	358	1	23,721	0	-52.1		0	76	42	5
ANNETTE ISLAND	2	1,008		5.7	2.3					1,414	0	-1.5	3.9	2	86	174	9	2,936	0	-10.3	7.2	1	76	200	8	5,449	0	-26.2	8.0	0	72	222	11	8,961	0	-50.2		1	66	239	15
		11,556	0	-55.2		2	75	253	11	13,408	0	-52.4		2	82	259	9	16,019	0	-54.2		2	78	268	6	20,458	1	-55.0		3	59	350	3	23,731	2	-54.4		2	76	39	7
CANADA-WESTERN																																									
MOULD BAY	2	1,019		-33.3	3.2					1,363	0	-23.8	4.3	0	63	331	6	2,769	0	-28.9	5.3	0	63	330	7	5,113	0	-41.4	6.9	1	60	318	9	8,479	2	-52.1	8.2	1	68	313	12
		11,130	2	-48.3		1	71	317	12	13,024	3	-47.7		1	73	320	13	15,700	3	-47.8		0	76	325	14	20,285	7	-47.4		1	74	336	12	23,673	9	-45.7		1	73	344	12
SACHS HARBOUR	2	1,016		-30.4	1.9					1,391	0	-20.7	5.7	0	34	329	3	2,815	0	-25.2	7.2	0	60	308	6	5,195	0	-38.4	7.9	0	70	297	12	8,581	0	-52.6	8.4	0	76	296	18
		11,219	0	-48.8		0	77	302	15	13,113	0	-47.9		0	77	305	15	15,784	0	-48.7		0	75	314	13	20,338	3	-48.3		0	73	337	11	23,692	4	-47.7		0	72	353	10
CAMBRIDGE BAY	2	1,021		-30.6						1,368	0	-20.6	4.5	0	52	316	5	2,791	0	-26.0	5.5	0	67	317	7	5,165	0	-39.1	6.0	0	66	310	10	8,528	0	-53.2	8.7	1	70	306	14
		11,156	0	-50.1		1	77	318	13	13,035	0	-49.6		1	78	324	13	15,690	0	-49.4		2	73	337	11	20,242	0	-48.3		2	63	7	9	23,602	1	-47.7		2	63	25	9
NORMAN WELLS	2	1,015		-22.5	3.4					1,386	0	-12.9	6.4	0	29	201	2	2,865	0	-16.3	6.4	0	72	285	7	5,329	0	-30.7	8.2	0	78	294	13	8,773	0	-53.6	7.7	0	78	291	19
		11,367	0	-52.4		0	81	292	16	13,238	0	-50.6		0	81	297	13	15,880	0	-50.9		0	82	311	11	20,385	1	-51.0		0	82	347	9	23,720	1	-49.8		0	83	13	10
PRINCE GEORGE	2	935		-1.3	2.7					1,438	0	-1.1	6.0	0	56	221	4	2,961	0	-10.1	6.8	0	74	266	7	5,477	0	-25.9	8.0	0	71	275	9	8,986	0	-51.3	8.3	0	68	286	16
		11,561	0	-57.0		0	84	286	16	13,400	0	-54.3		0	87	287	12	15,993	0	-55.6		0	86	297	10	20,398	0	-56.0		0	67	333	5	23,667	3	-55.8		1	63	32	6
THE PAS	2	988		-12.2	3.7					1,431	0	-12.4	4.3	0	40	278	3	2,900	0	-17.6	7.3	0	71	300	7	5,360	0	-30.4		7	9	299	13	8,822	0	-52.4	9.1	0	76	298	19
		11,412	0	-54.2		0	86	302	17	13,267	0	-52.6		0	89	304	15	15,881	0	-53.6		0	86	303	13	20,325	0	-54.4		0	65	305	7	23,581	2	-53.9		0	26	342	2
VERNON	2	951		2.8	3.4					1,457	0	-0.3	3.3	0	60	238	3	2,984	0	-9.8	4.3	0	63	282	6	5,508	0	-24.7	7.5	0	65	290	9	9,031	0	-50.4	9.0	1	68	289	14
		11,608	0	-57.8		2	88	288	17	13,437	0	-54.8		2	88	290	14	16,018	0	-56.9		2	85	295	11	20,393	0	-57.8		1	62	322	5	23,640	5	-56.8		0	38	20	4
PORT HARDY	2	1,013		4.2	1.1					1,438	0	-0.4	4.5	0	77	172	6	2,968	0	-8.9	7.7	0	72	205	8	5,502	0	-24.0	9.6	0	65	244	9	9,038	0	-48.7	10.1	0	69	263	17
		11,626	0	-57.7		0	85	269	18	13,461	0	-54.2		0	83	274	12	16,048	0	-56.0		0	84	278	9	20,438	2	-57.1		0	49	329	3	23,685	5	-57.2		0	59	24	5
CANADA-EASTERN																																									
ALERT	2	1,014		-34.9	3.6					1,328	2	-27.2	5.2	0	65	230	4	2,717	2	-31.2	5.9	0	66	217	5	5,038	2	-44.2	6.7	0	52	200	6	8,367	2	-52.1	8.3	0	51	198	6
		11,006	2	-49.8		0	35	201	4	12,887	2	-49.8		0	22	221	3	15,529	2	-51.3		0	23	293	3	20,042	2	-49.5		0	47	349	8	23,440	3	-44.7		0	61	1	13
EUREKA	2	1,022		-39.0						1,319	1	-28.7	4.3	1	47	165	3	2,704	1	-31.9	4.6	1	10	244	1	5,022	1	-44.0	6.0	1	20	303	2	8,364	3	-51.9	7.8	1	24	304	3
		11,019	2	-48.8		1	25	330	3	12,911	2	-48.6		1	34	337	4	15,575	3	-49.4		1	48	336	6	20,116	4	-47.5		1	59	339	10	23,541	6	-43.1		1	63	343	13
RESOLUTE	2									1,318	1	-27.1	3.2	0	37	306	3	2,727	4	-29.5	4.1	0	51	301	6	5,069	4	-42.0	5.8	0	58	300	9	8,396	6	-53.0	8.0	0	58	307	9
		11,029	6	-49.6		2	58	320	9	12,917	6	-48.1		1	54	333	9	15,586	7	-47.8		0	52	338	9	20,171	7	-46.2		0	52	344	9	23,578	8	-44.0		0	50	355	9
HALL BEACH	2	1,021		-32.5						1,332	2	-24.9	4.0	1	37	306	2	2,735	2	-29.0	5.4	1	45	299	3	5,086	2	-40.9	6.2	1	53	293	7	8,431	2	-54.3	7.0	1	61	285	9
		11,048	2	-50.9		1	59	286	7	12,923	2	-49.9		2	51	289	6	15,585	2	-47.9		1	38	294	5	20,181	7	-45.0		2	33	309	5	23,600	1	-44.5		6	41	339	6
BAKER LAKE	2	1,017		-26.4	2.6					1,373	3	-19.4	4.5	0	39	294	3	2,805	3	-24.0	4.8	0	55	301	6	5,202	3	-36.8	5.4	0	63	300	9	8,586	3	-54.1	7.0	0	73	297	13
		11,195	3	-51.7		0	85	305	12	13,067	3	-50.5		0	88	310	12	15,709	3	-50.3		0	88	316	11	20,257	4	-49.3		0	53	335	6	23,604	7	-48.5		1	41	23	4
CORAL HARBOUR	2	1,013		-27.4	2.6					1,352	3	-21.8	4.0	0	28	307	2	2,768	2	-26.5	4.9	0	38	306	4	5,137	2	-39.6	6.3	1	42	299	5	8,496	2	-54.2	7.8	1	56	283	8
		11,104	2	-52.0		1	65	281	8	12,970	2	-51.3		1	63	281	8	15,616	2	-49.5		1	48	279	7	20,169	3	-47.7		1	27	291	4	23,534	3	-48.9		1	18	1	2
FROBISHER BAY	2	1,018		-25.0	4.0					1,353	0	-20.9	3.7	0	13	251	1	2,778	0	-25.4	5.8	0	38	252	3	5,166	0	-37.3	5.9	0	61	243	8	8,556	0	-53.3	7.1	0	69	246	14
		11,171	0	-51.2		0	69	244	12	13,050	0	-49.9		0	69	243	12	15,706	0	-49.0		0	68	244	11	20,257	0	-49.3		0	48	267	6	23,600	2	-48.9		1	44	322	5
CHURCHILL	2	1,021		-23.3	2.5					1,392	1	-18.1	4.5	0	66	307	6	2,833	1	-22.6	5.5	0	77	304	8	5,240	1	-35.8	6.4	0	77	301	11	8,644	1	-53.0	7.6	0	81	301	17
		11,245	1	-52.8		0	87	300	15	13,108	1	-51.3		0	87	303	14	15,738	1	-51.8		0	83	300	12	20,221	3	-50.8		0	55	293	6	23,528	4	-51.2		1	23	345	2
INUCUDJUAC	2	1,019		-21.5	4.0					1,360	0	-18.0	5.8	0	30	310	3	2,800	0	-22.5	6.9	0	41	279	5	5,210	0	-35.3	7.8	0	60	257	9	8,626	0	-52.4	7.7	0	66	253	14
		11,237	0	-51.7		0	77	259	12	13,113	0	-49.6		0	81	259	12	15,768	0	-49.6		0	80	259	11	20,307	1	-49.6		0	56	261	6	23,649	1	-49.4		0	22	290	2
FORT CHIMO	2	1,013		-18.2	3.1					1,357	2	-16.1	4.6	0	7	275	**	2,808	2	-20.6	6.5	0	36	263	4	5,240	2	-33.0	6.9	0	48	256	8	8,661	2	-53.4	8.0	0	55	245	12
		11,267	2	-51.8		0	69	244	13	13,141	2	-50.1		1	76	243	12	15,788	2	-50.4		0	77	246	12	20,300	2	-51.1		0	67	256	7	23,622	2	-51.0		0	30	294	3
TROUT LAKE	2	996		-19.5	2.1					1,419	2	-15.5	7.9	0	56	320	5	2,876	2	-20.7	7.7	0	61	311	7	5,313	2	-32.3	9.3	0	72	298	12	8,750	2	-52.6	7.5	0	71	292	17
		11,342	2	-53.2		0	82	292	15	13,203	2	-51.7		0	85	294	15	15,832	2	-52.1		0	85	290	11	20,314	2	-52.4		0	58	286	6	23,615	3	-52.2		0	14	297	1
NITCHEQUON	2	949		-17.6	2.3					1,366	0	-14.6	3.1	0	24	284	2	2,829	0	-18.8	5.5	0	32	278	4	5,276	0	-32.1	6.3	0	33	261	5	8,715	0	-51.9	8.2	0	46	252	8
		11,339	0	-51.5		0	80	252	13	13,212	0	-50.5		0	83	250	12	15,852	0	-51.5		0	86	250	10	20,338	2	-52.9		0	60	253	5	23,637	2	-51.7		0	21	247	2

UPPER AIR DATA

MARCH 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
CANADA-EASTERN																																									
MOOSONEE	2	1,019		-18.7	2.2					1,388	0	-14.1	5.2	0	46	339	4	2,853	0	-18.1	6.6	0	48	301	6	5,307	0	-31.3	6.3	0	50	292	9	8,758	0	-51.9	7.2	0	63	282	14
		11,367	0	-52.5		0	82	272	15	13,231	0	-51.3		0	89	269	13	15,864	1	-52.1		0	93	270	10	20,336	1	-52.9		0	53	268	4	23,628	3	-52.3		0	21	258	2
SEPT-ILES	2	1,009		-8.9	3.9					1,372	1	-12.1	4.0	0	11	325	1	2,847	1	-16.2	7.3	0	33	257	3	5,316	1	-30.0	9.1	0	56	242	8	8,784	1	-49.3	9.6	0	80	239	16
		11,418	1	-52.2		0	87	244	16	13,281	1	-51.5		0	88	247	13	15,906	1	-52.7		0	91	247	11	20,366	1	-53.7		0	71	250	6	23,653	1	-52.8		0	19	252	2
GOOSE	2	1,011		-12.0	2.4					1,369	1	-12.8	4.2	0	14	304	2	2,841	1	-16.7	7.2	0	33	254	4	5,305	1	-30.1	9.0	0	42	240	8	8,773	1	-50.1	9.5	0	65	234	16
		11,401	1	-51.9		0	79	241	16	13,267	1	-51.2		0	83	240	14	15,896	1	-52.5		0	80	244	11	20,360	1	-53.1		0	65	255	6	23,653	1	-52.6		0	33	282	3
MANIWAKI	2	996		-13.4	3.5					1,381	1	-11.5	4.9	0	20	322	2	2,862	1	-15.3	8.0	0	44	289	5	5,342	1	-28.7	10.0	0	70	277	12	8,831	1	-49.0	9.3	0	78	269	20
		11,457	1	-53.3		0	84	265	18	13,312	1	-52.4		0	93	263	16	15,925	1	-53.6		0	94	263	13	20,365	1	-54.4		0	75	261	6	23,633	2	-53.6		0	25	245	2
STEPHENVILLE	2	1,005		-3.4	2.3					1,382	1	-7.9	3.8	0	44	226	5	2,877	1	-13.4	7.5	0	64	236	9	5,377	1	-26.3	10.3	0	77	239	14	8,890	1	-48.0	9.9	1	80	237	20
		11,520	1	-53.9		2	86	247	17	13,360	1	-52.9		2	89	246	14	15,973	1	-54.4		2	89	247	12	20,400	1	-54.8		1	68	256	5	23,669	1	-53.9		0	19	292	2
SHELBURNE	2	1,009		-2.5	2.2					1,387	0	-6.0	4.7	0	24	235	4	2,892	0	-10.9	8.2	0	57	244	10	5,416	0	-24.3	9.2	0	77	253	18	8,953	0	-48.9	9.3	1	79	250	25
		11,574	0	-54.4		2	85	253	22	13,419	0	-53.8		2	91	256	17	16,016	0	-55.2		1	93	256	14	20,422	0	-55.3		2	73	253	6	23,688	0	-53.7					
SABLE ISLAND	2	1,013		1.0	2.7					1,405	2	-4.3	4.9	1	50	234	7	2,921	2	-9.4	10.6	1	72	238	13	5,454	2	-24.4	11.8	1	83	243	20	8,989	2	-47.8	10.4	1	82	252	26
		11,592	3	-55.6		2	85	252	22	13,436	2	-55.0		3	93	252	17	16,020	2	-56.3		2	92	253	13	20,410	3	-56.4		2	75	262	6	23,657	3	-55.9		2	17	268	2
ST. JOHN'S (TORBAY)	2									1,405	1	-4.8	6.2	0	54	227	7	2,918	2	-9.7	10.9	0	83	231	11	5,444	2	-24.5	10.8	0	84	238	19	8,985	2	-46.9	10.5	0	82	239	24
		11,607	2	-55.3		0	84	244	21	13,445	2	-54.2		1	86	246	17	16,037	2	-55.4		0	85	248	12	20,456	4	-55.2		1	60	259	5	23,730	8	-54.4		2	18	341	2
UNITED STATES-NORTHWEST																																									
QUILLAYUTE	2	1,010		5.4	0.6					1,461	0	0.7	5.3	2	57	209	5	2,995	0	-8.1	7.8	0	67	239	7	5,537	0	-23.1	9.0	0	68	269	10	9,080	1	-48.7		1	69	282	17
		11,667	1	-58.5		3	78	279	16	13,487	1	-55.9		3	82	279	14	16,061	2	-57.8		4	84	281	10	20,415	6	-59.3		6	44	322	3	23,618	9	-59.1		10	38	11	3
MEDFORD	2	972		5.0	1.9					1,496	0	2.6	4.8	0	58	221	3	3,046	0	-4.8	9.7	0	69	282	9	5,616	0	-20.7	9.4	0	76	294	16	9,198	0	-46.6		0	72	294	22
		11,791	0	-60.5		0	83	292	24	13,592	1	-57.8		1	85	289	18	16,137	2	-61.5		2	84	289	11	20,439	2	-60.8		2	45	340	3	23,629	6	-59.4		6	29	21	2
SPOKANE	2	932		2.5	2.3					1,467	0	0.7	4.7	2	52	242	4	2,998	0	-9.0	5.6	0	60	269	5	5,530	0	-24.1	9.1	0	63	295	9	9,064	0	-49.9		0	68	302	19
		11,648	0	-58.0		1	84	297	20	13,473	0	-55.4		1	85	293	15	16,045	0	-57.9		1	85	297	12	20,403	0	-58.9		0	49	316	4	23,627	3	-58.5		3	35	39	3
GREAT FALLS	2	887		-1.4	3.6					1,460	1	-0.6	5.9	2	57	284	4	2,988	1	-9.5	3.9	3	80	298	6	5,510	1	-25.5	9.3	2	73	298	11	9,028	2	-50.5		3	59	309	16
		11,608	2	-56.8		3	77	307	17	13,442	2	-54.7		3	83	304	15	16,025	3	-57.2		5	84	305	11	20,399	6	-57.9		7	53	326	5	23,621	7	-57.7		8	23	52	2
BISMARCK	2	958		-5.4	2.9					1,438	0	-5.5	4.2	0	37	301	3	2,948	0	-11.3	6.5	0	65	302	7	5,457	0	-26.4	9.1	0	67	298	11	8,957	0	-51.8		0	63	293	14
		11,536	2	-55.6		2	83	295	16	13,380	2	-54.1		2	87	297	15	15,972	2	-56.1		2	89	299	12	20,368	6	-57.5		6	65	307	6	23,612	8	-56.1		8	22	352	2
HURON/HOWES MUN	2	971		-4.9	2.0					1,434	0	-4.8	6.2	2	40	313	4	2,950	0	-9.9	8.9	0	64	303	7	5,472	0	-25.4	9.0	0	75	296	11	8,981	0	-51.5		0	63	284	14
		11,561	1	-56.0		1	86	286	17	13,400	1	-54.6		1	91	288	17	15,987	2	-56.4		2	92	296	13	20,365	4	-57.7		4	70	302	6	23,608	8	-55.6		8	22	311	2
RAPID CITY	2	903		-2.2	3.9					1,449	0	-1.4	4.6	1	60	319	5	2,976	0	-8.9	5.9	1	76	310	10	5,503	0	-25.5	8.6	0	80	301	12	9,017	0	-51.0		0	76	295	18
		11,597	1	-56.6		1	87	291	17	13,432	1	-54.9		1	90	294	16	16,005	1	-57.7		1	91	297	13	20,364	4	-58.6		4	57	316	5	23,586	5	-56.3		5	16	342	1
BOISE	2	917		2.2	3.7					1,484	0	1.9	5.7	0	59	299	4	3,023	0	-8.0	5.2	0	73	293	7	5,567	0	-22.9	10.0	0	69	293	12	9,119	0	-48.1		1	77	306	23
		11,715	0	-58.2		2	82	306	23	13,538	0	-56.4		2	82	296	16	16,098	0	-59.4		2	86	303	11	20,432	0	-59.8		1	48	333	3	23,644	3	-57.9		3	12	33	1
WINNEMUCCA	2	869		0.6	4.6					1,492	0	3.8	7.4	1	39	258	1	3,042	0	-5.9	6.0	1	65	287	6	5,609	0	-20.2	10.2	1	73	297	15	9,193	2	-46.6		2	77	302	23
		11,785	4	-60.2		6	78	297	21	13,594	4	-57.6		6	84	289	18	16,138	4	-60.4		6	85	290	13	20,454	6	-60.0		6	50	321	3	23,657	9	-57.7		9	18	27	2
ELY	2	808		-2.9	3.4													3,045	0	-5.4	6.8	2	51	317	5	5,616	0	-20.6	8.7	1	77	304	14	9,201	0	-46.5		2	79	309	25
		11,799	0	-59.7		1	82	299	25	13,606	0	-57.9		3	88	291	21	16,146	1	-61.5		4	86	288	15	20,439	2	-61.3		2	56	318	4	23,633	4	-58.2		4	11	14	1
SALT LAKE CITY	2	873		1.5	4.2					1,498	8	1.1	5.6	11	61	172	3	3,040	8	-7.6	4.7	9	55	294	4	5,583	8	-23.0	9.4	8	73	300	13	9,133	8	-48.4		8	75	301	20
		11,727	8	-58.2		11	83	293	21	13,548	8	-56.7		12	86	288	16	16,098	9	-59.9		11	86	293	11	20,440	13	-59.4		14	53	348	3	23,655	13	-56.5		13	43	55	5
GRAND JUNCTION	2	851		1.7	7.0					1,507	11	1.1	7.4	11	45	105	2	3,027	0	-6.5	5.9	0	40	297	3	5,581	0	-22.1	9.7	0	74	290	10	9,136	0	-48.3		1	68	291	16
		11,734	1	-57.4		1	86	292	20	13,562	2	-56.1		2	89	288	18	16,113	2	-60.7		2	93	289	14	20,413	3	-60.9		3	63	295	4	23,615	5	-57.5		5	13	295	1
DENVER	2	833		-1.1	5.1													2,996	0	-5.4	7.8	0	77	320	6	5,553	0	-22.2	8.7	0	69	296	10	9,102	0	-49.3		0	74	283	18
		11,695	0	-56.9		0	86	286	21	13,524	0	-55.5		0	90	286	19	16,088	0	-59.5		0	94	283	14	20,408	1	-60.2		1	64	293	5	23,620	3	-56.3		3	19	277	2
NORTH PLATTE	2	917		-2.8	3.3					1,451	0	-1.2	5.8	1	40	310	4	2,984	0	-8.0	8.0	1	67	308	9	5,524	0	-23.9	10.2	0	76	296	13	9,054	0	-50.1		0	77	291	20
		11,643	0	-56.9		0	88	281	21	13,477	0	-55.7		1	91	281	17	16,045	1	-58.4		2	94	279	14	20,383	1	-59.4		1	68	290	6	23,600	3	-56.3		4	21	254	2
UNITED STATES-NORTHEAST																																									
INTERNATIONAL FALLS	2	976		-11.5	4.3					1,427	0	-10.7	9.1	1	39	347	3	2,912	0	-14.3	10.0	0	59	314	6	5,399	0	-28.2	7.4	0	71	303	12	8,879	1	-51.9		1	74	293	17
		11,462	0	-56.1		0	86	291	17	13,304	0	-53.9		0	89	291	15	15,907	0	-54.6		0	91	294	12	20,336	2	-55.2		2	57	313	4	23,605	4	-54.5		4	11	358	1
ST. CLOUD	2	982		-8.6	2.7					1,436	0	-7.7	10.0	0	33	338	3	2,937	0	-11.7	8.8	1	55	316	6	5,450	0	-26.0	8.6	1	67	296	11	8,953	0	-51.0		1	76	285	17
		11,542	1	-56.2		1	85	280	17	13,381	1	-54.5		1	92	281	17	15,971	1	-55.9		1	92	288	13	20,372	1	-56.6		1	63	287	5	23,620	1	-54.7		1	24	270	2
SAULT STE. MARIE	2	991		-9.1	4.5					1,404	0	-10.5	7.9	1	27	352	3	2,888	0	-14.7	11.2	0	49	317	6	5,372	0	-28.4	10.1	0	64	293	11	8,863	0	-49.9		0	70	282	19
		11,466	1	-54.6		3	85	272	18	13,324	2	-53.3		3	92	271	15	15,928	3	-54.9		4	94	274	12	20,354	3	-55.3		3	76	263	7	23,621	4	-54.0		4	30	267	3
CARIBOU	2	991		-10.5	2.8					1,374	0	-10.9	2.3	1	19	307	2	2,860	0	-14.5	8.1	0	41	261	5	5,349	0	-27.8	8.9	1	69	259	12	8,854	0	-48.3		3	75	254	16
		11,490	0	-53.0		3	83	252	16	13,348	0	-52.0		3	88	254	14	15,967	2	-54.2		5	93	255	12	20,402	3	-54.9		4	76	256	7	23,678	6	-54.1		7	48	259	5
DAYTON	2	980		-2.2	3.2					1,423	0	-2.9	7.3	3	64	270	8	2,948	0	-8.2	7.9	0	77	277	13	5,493	0	-23.0	10.2	0	80	276	19	9,048	0	-47.4		2	82	275	29
		11,661	1	-56.4		5	92	273	29	13,493	1	-55.8		6	93	273	23	16,074	3	-58.0		6	95	271	18	20,432	4	-58.1		7	71	267	7	23,669	5	-55.3		6	29	274	3
BUFFALO	2	989		-4.9	2.4					1,406	0	-7.7	6.5	0	34	271	4	2,906	0	-12.1	9.8	0	61	280	9	5,417	0	-25.6	9.1	1	77	277	16	8,946	1	-48.6		1	81	270	22
		11,540	3	-54.9		3	89	269	24	13,377	5	-53.2		5	92	271	21	15,976	8	-55.4		8	97	272	20	20,382	11	-56.5		12	80	271	11	23,627	17	-55.8		17	57	259	4
CHATHAM	2	1,012		-0.2	4.5					1,399	0	-4.8	5.8	1	32	295	4	2,915	0	-9.0	10.1	2	69	268	12	5,461	1	-22.8	10.2	1	74	256	18	9,015	3	-47.0		4	82	263	26
		11,627	4	-54.2		7	88	264	26	13,473	4	-54.2		7	94	266	22	16,064	5	-56.1		8	96	265	18	20,451	8	-56.4		8	79	255	6	23,709	10	-55.0		10	4	12	**
WASHINGTON DULLES	2	1,006		-0.7	4.1					1,425	1	-3.3	5.6	13	41	290	6	2,949	1	-8.1	9.2	9	75	276	12	5,497	1	-22.3	10.2	9	80	271	19	9,075	3	-46.5		10	79	269	28
		11,695	3	-55.9		10	88	270	31	13,516	4	-55.8		12	91	263	24	16,082	4	-58.6		12	95	263	22	20,433	5	-57.6		14	96	268	8	23,664	8	-55.9		17	88	261	4
UNITED STATES-SOUTHWEST																																									
OAKLAND	2	1,018		10.9	3.6					1,510	0	7.6	14.0	0	60	320	5	3,087	0	-0.3	16.0	0	76	310	10	5,697	0	-17.3	11.7	0	85	294	16	9,315	0	-45.2		1	84	298	23
		11,912	0	-61.1		2	85	296	23	13,701	1	-60.0		5	86	286	21	16,217	1	-63.3		7	86	291	18	20,483	6	-61.4		7	39	334	3	23,681	7	-58.2		7	31	64	3
SAN DIEGO	2	1,001		11.2	3.3					1,493	0	10.7	19.9	0	77	320	5	3,090	0	3.4	19.6	0	83	306	9	5,732	0	-14.4	16.2	0	89	296	14	9,381	0	-44.1		0	81	298	20
		11,982	0	-61.6		0	85	287	23	13,767	0	-60.8		0	87	278	22	16,262	0	-65.9		0	93	276	18	20,471	2	-62.6		2	62	294	4	23,651	3	-58.2		3	9	304	1

UPPER AIR DATA

MARCH 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-SOUTHWEST																																									
DESERT ROCK	1	900		18.2	24.9					1,487	0	11.6	21.2	1	25	276	1	3,069	0	-1.2	13.9	0	76	308	6	5,669	0	-17.5	13.8	0	88	308	17	9,293	1	-45.0		4	85	300	24
		11,901	1	-59.4		6	86	291	24	13,703	1	-58.6		6	88	288	20	16,224	1	-62.8		6	88	278	15	20,507	1	-60.5		2	49	300	3	23,713	3	-56.4		4	15	276	1
EL PASO	2	880		8.8	15.2					1,482	0	12.0	20.0	1	66	281	4	3,075	0	0.9	15.4	2	95	275	12	5,694	0	-16.1	13.4	1	93	277	20	9,331	0	-43.9		1	91	276	27
		11,947	2	-58.3		3	94	272	30	13,754	2	-59.6		5	97	272	31	16,254	3	-65.2		6	95	276	21	20,471	6	-62.8		6	73	275	5	23,664	8	-57.1		8	18	311	1
ALBUQUERQUE	2	835		2.8	10.7													3,038	0	-2.8	11.0	0	80	288	8	5,620	0	-19.9	10.1	0	87	280	15	9,212	0	-46.0		0	83	281	23
		11,825	0	-57.7		0	91	280	27	13,643	0	-57.6		1	95	275	26	16,170	0	-63.4		2	95	276	20	20,427	0	-61.7		1	66	279	4	23,626	1	-56.7		1	9	319	1
OKLAHOMA CITY/M ROGERS WORLD	2	968		4.2	4.1					1,457	0	4.9	10.8	1	28	282	3	3,020	0	-3.1	11.2	2	80	270	11	5,599	0	-20.4	11.3	1	88	267	18	9,177	1	-46.3		1	90	264	31
		11,792	1	-56.8		1	94	265	34	13,611	2	-57.1		2	97	265	31	16,149	2	-62.2		3	96	271	23	20,421	3	-61.5		3	64	276	4	23,626	3	-56.5		3	11	318	1
VICTORIA	2	1,010		13.6	2.1					1,488	0	10.8	11.5	0	47	227	5	3,088	0	3.4	17.3	1	88	268	11	5,730	0	-14.5	15.7	0	93	265	20	9,394	0	-41.9	9.3	0	96	266	33
		12,036	0	-57.0		1	98	264	45	13,842	0	-61.0		1	98	263	42	16,314	1	-69.1		2	97	269	26	20,463	2	-64.6		2	83	272	5	23,648	3	-57.1		3	38	321	2
BROWNSVILLE	2	1,013		17.4	3.0					1,495	0	14.1	14.6	1	42	198	4	3,113	0	6.8	18.9	0	84	259	8	5,779	0	-12.7	15.5	0	96	260	17	9,475	0	-39.7	9.8	0	97	259	37
		12,138	1	-55.7		1	98	261	51	13,942	1	-62.1		1	97	261	43	16,387	1	-71.6		2	98	262	29	20,482	2	-65.8		2	73	271	4	23,648	3	-58.6		3	57	297	3
UNITED STATES-SOUTHEAST																																									
WALLOPS ISLAND	2	1,016		2.9	5.0					1,439	0	-1.2	5.2	1	67	279	9	2,974	0	-6.4	10.2	1	81	273	15	5,531	0	-21.5	10.6	1	89	271	24	9,112	0	-45.6		1	89	269	35
		11,737	0	-55.8		2	93	274	38	13,567	1	-55.6		2	96	268	32	16,126	1	-59.4		2	97	267	22	20,461	1	-58.7		3	79	261	5	23,690	1	-55.8		3	5	340	**
MONETT	2	963		2.0	1.2					1,451	0	2.1	8.0	1	57	282	7	3,000	0	-5.0	10.5	1	73	280	12	5,569	0	-20.9	10.2	1	83	273	19	9,141	0	-47.3		3	88	258	27
		11,749	0	-56.5		3	93	264	32	13,576	0	-56.5		4	97	268	29	16,127	0	-60.6		3	95	270	21	20,426	4	-59.8		5	77	279	6	23,645	6	-55.8		7	14	354	1
NORTH LITTLE ROCK	1	994		12.8	9.4					1,465	0	4.8	7.7	0	61	259	7	3,029	0	-2.8	10.5	0	81	269	13	5,618	0	-18.8	11.4	0	89	272	22	9,224	1	-44.9		1	90	267	34
		11,847	1	-57.3		3	95	267	38	13,666	1	-57.8		4	98	266	34	16,204	2	-62.1		5	98	268	25	20,479	2	-60.5		3	86	266	6	23,691	2	-56.4		2	9	130	1
LONGVIEW	2	1,001		10.2	3.4					1,479	0	7.5	10.5	1	64	258	7	3,056	0	-0.6	12.4	0	80	271	12	5,663	0	-17.9	12.0	0	93	265	23	9,289	0	-44.1		0	94	262	36
		11,911	1	-57.5		5	97	265	40	13,727	1	-58.4		6	98	267	37	16,237	1	-65.2		6	97	270	26	20,462	3	-61.9		7	66	278	4	23,664	2	-56.4		4	42	60	3
NASHVILLE	2	994		4.5	3.6					1,447	1	1.5	7.9	1	70	262	8	2,996	1	-4.8	10.2	1	84	272	15	5,567	1	-20.7	11.0	1	89	268	23	9,149	1	-46.9		2	91	262	33
		11,759	1	-57.2		3	95	265	38	13,580	1	-56.7		4	97	269	34	16,118	3	-61.1		6	98	267	24	20,417	3	-59.8		6	83	275	6	23,635	4	-56.0		4	26	332	2
MAYCROSS	2	1,011		9.7	2.7					1,490	0	7.7	11.6	2	75	260	9	3,070	0	0.9	15.1	1	91	268	16	5,692	0	-15.7	13.5	0	96	268	23	9,344	0	-42.7	4.3	0	95	265	35
		11,979	0	-57.1		2	97	264	46	13,788	0	-60.3		5	98	268	43	16,275	1	-66.3		6	98	266	28	20,476	1	-62.5		2	82	270	6	23,670	1	-56.9		1	21	4	1
CAPE HATTERAS	2	1,015		7.6	5.6					1,458	0	2.9	8.5	1	75	269	9	3,010	0	-3.7	14.8	1	87	266	16	5,594	0	-18.9	12.2	1	92	267	25	9,206	0	-44.4		8	89	270	29
		11,834	0	-56.4		14	87	275	29	13,656	0	-57.7		15	94	272	26	16,190	0	-62.2		17	97	273	22	20,480	2	-59.9		14	95	268	7	23,695	3	-55.9		7	52	273	3
CHARLESTON	2	1,015		10.0	3.6					1,481	0	5.9	10.2	2	76	262	10	3,052	0	-0.8	15.1	2	88	268	17	5,663	0	-16.9	13.6	2	94	269	25	9,297	2	-43.4	3.3	4	95	266	37
		11,927	3	-56.9		4	96	270	46	13,741	3	-59.4		4	97	271	42	16,247	3	-65.1		4	98	267	29	20,475	5	-61.9		6	92	267	7	23,682	5	-56.3		6	21	341	1
BOOTHVILLE	2	1,016		12.7	1.5					1,500	0	10.4	12.3	3	62	244	5	3,096	0	3.0	17.2	2	87	262	12	5,735	0	-14.4	15.2	1	96	265	22	9,405	1	-41.3	4.5	4	96	264	35
		12,057	1	-55.7		7	97	264	44	13,870	1	-60.4		10	99	262	40	16,349	1	-68.0		12	99	265	31	20,517	6	-63.0		8	94	269	7	23,693	10	-56.7		11	44	348	2
APALACHICOLA	2	1,016		11.4	2.9					1,504	0	8.9	11.6	1	59	258	6	3,092	0	1.9	15.7	1	89	267	14	5,724	1	-14.8	13.7	3	96	267	25	9,388	1	-42.0	4.8	5	96	264	33
		12,032	1	-56.6		8	97	263	45	13,839	1	-61.0		13	98	264	40	16,305	4	-68.3		16	99	272	28	20,477	4	-63.2		16	97	266	9	23,670	7	-56.4		13	40	40	2
WEST PALM BEACH	2	1,016		16.6	2.3					1,521	2	11.6	11.5	4	44	246	4	3,126	2	4.7	17.8	2	82	261	10	5,787	2	-12.0	14.5	3	94	270	18	9,492	2	-38.9	8.6	3	97	268	33
		12,163	2	-55.9		5	97	269	43	13,963	2	-62.7		7	98	271	40	16,410	2	-71.4		7	97	269	27	20,522	3	-64.8		6	91	268	6	23,706	3	-56.8		4	39	324	2
KEY WEST	2	1,016		20.8	4.7					1,527	0	13.1	11.1	0	45	222	3	3,142	0	6.1	16.6	0	79	257	7	5,816	0	-10.6	15.8	1	95	272	16	9,543	0	-37.8	9.8	1	95	266	31
		12,225	1	-55.3		2	97	266	43	14,021	1	-64.2		3	98	267	37	16,449	1	-73.6		5	97	270	27	20,527	3	-65.2		4	91	260	7	23,714	7	-56.5		7	52	309	3
MEXICO-NORTHERN																																									
ISLA GUADALUPE, B.C.	2	1,015		14.7	2.2					1,520	0	12.8	20.4	0	70	326	4	3,131	0	5.7	20.6	0	85	310	6	5,792	0	-13.1	16.8	0	78	286	8	9,458	0	-43.0		0	66	280	9
		12,078	0	-59.0		0	84	267	18	13,871	1	-61.2		2	86	257	21	16,348	4	-67.7		4	94	262	18	20,506	11	-63.9		11	71	279	4	23,692	14	-57.2		15	21	282	1
EMPALME	2	1,011		13.7	9.5					1,496	0	14.3	19.6	0	68	267	3	3,107	0	5.2	20.0	0	89	266	7	5,767	0	-13.1	15.4	0	91	279	13	9,440	0	-42.1		0	89	270	20
		12,078	0	-57.6		0	95	258	33	13,882	0	-61.2		0	96	261	35	16,351	1	-69.0		1	96	263	25	20,514	2	-64.5		2	65	289	3	23,699	2	-57.3		2	22	17	1
MAZATLAN CARRASCO	2	1,011		17.3	2.1					1,497	0	16.6	17.0	1	13	269	**	3,123	0	7.6	18.8	1	91	259	7	5,805	1	-10.9	15.1	1	93	256	13	9,525	0	-38.4	8.9	0	97	252	30
		12,206	0	-55.4		0	96	250	42	14,004	0	-63.5		0	98	253	37	16,437	1	-73.2		2	97	253	27	20,505	11	-66.4		12	85	275	4	23,665	11	-57.8		12	39	267	2
MONTERREY AEROP. INTL	2	961		14.3	6.0					1,492	7	14.4	12.5	7	35	209	2	3,113	7	7.2	20.1	8	86	270	9	5,783	7	-12.4	16.6	8	94	260	15	9,484	7	-39.1	11.3	8	96	257	32
		12,151	7	-55.9		12	98	264	43	13,957	7	-61.9		14	99	263	41	16,405	8	-71.2		14	99	263	29	20,504	13	-65.9		15	60	266	4	23,670	16	-58.7		16	39	282	2
CHIHUAHUA UNIV. DE	2	856		7.4	12.7					1,488	1	10.2	17.1	1	76	263	2	3,089	0	4.2	16.7	1	93	268	9	5,740	0	-13.8	14.7	1	93	271	14	9,406	0	-42.3		1	93	265	24
		12,045	0	-57.4		4	97	260	34	13,852	1	-60.4		6	96	262	35	16,334	4	-69.0		10	97	266	26	20,491	16	-64.3		17	90	275	6	23,667	20	-57.5		20	50	284	3
GUADALAJARA	2	845		10.3	3.4													3,137	1	8.8	16.0					5,830	4	-9.1	14.3					9,573	7	-36.5	8.2				
		12,274	9	-55.2						14,064	10	-64.6						16,481	10	-74.5						20,524	17	-67.5						23,694	18	-58.6					
MEXICO-SOUTHERN																																									
MANZANILLO	2	1,011		21.7	4.7					1,506	0	18.9	17.4	0	56	288	2	3,145	0	9.3	17.1	0	75	259	4	5,844	0	-8.8	11.3	0	95	260	11	9,598	0	-36.0	8.3	0	94	255	26
		12,297	0	-55.4		0	94	254	32	14,087	0	-65.4		0	96	256	28	16,493	0	-75.3		0	96	250	18	20,521	4	-66.8		4	39	294	3	23,685	4	-58.8		4	43	78	3
VERACRUZ, YLANG YLANG	2	1,013		20.2	2.3					1,520	0	15.7	6.0	1	62	150	3	3,155	0	9.8	13.0	3	52	203	3	5,860	1	-7.8	13.7	2	88	237	9	9,629	3	-35.5	10.6	3	96	219	24
		12,330	3	-55.6		4	93	221	29	14,116	3	-66.1		4	97	220	26	16,512	3	-76.6		5	89	222	14	20,529	9	-66.8		11	73	217	3	23,703	10	-57.3		12	55	33	4
MERIDA AEROP. INTL.	2	1,013		19.5	1.3					1,519	0	16.3	9.9	1	58	168	4	3,148	0	8.3	14.7	2	67	251	4	5,846	0	-8.3	14.9	0	92	268	11	9,615	0	-35.1	11.2	0	96	259	28
		12,321	0	-54.9		1	96	260	35	14,116	1	-64.7		2	98	257	31	16,531	1	-74.7		1	96	261	21	20,567	2	-66.8		2	64	258	3	23,753	2	-56.0		3	25	336	1
MEXICO CITY INT.AP, D.F.	2	780		10.2	11.3													3,142	0	9.8	12.9	1	72	232	2	5,843	0	-8.4	11.8	0	92	270	11	9,611	1	-34.7	10.7	1	96	257	25
		12,319	1	-55.1		2	95	255	32	14,109	1	-65.4		1	96	255	27	16,512	1	-75.9		2	92	257	18	20,522	18	-66.8		20	67	257	3	23,702	20	-56.8		20	12	12	1
GUATEMALA																																									
GUATEMALA/LA AURORA AP	2	852		14.4	1.3					1,521	2	14.1	1.3	6	82	14	3	3,147	1	8.7	12.0	9	50	72	2	5,860	1	-6.2	19.5	7	22	186	1	9,652	2	-33.4	15.0	4	79	251	8
		12,366	3	-55.5		4	89	254	15	14,145	3	-67.6		4	87	258	15	16,517	5	-79.1		6	59	247	7	20,505	6	-66.2		20	6	326	**	23,667	7	-57.6		7	97	85	11
COSTA RICA																																									
JUAN SANTAMARIA	2	909		18.6	4.5					1,501	2	17.6	7.9	2	96	87	16	3,137	2	10.0	17.3	2	74	92	11	5,852	2	-5.3	20.7	2	84	80	14	9,662	5	-33.6	14.8	5	8	144	15
		12,385	6	-54.9		6	60	218	18	14,165	6	-68.4		6	70	252	21	16,516	6	-80.8		6	32	75	16	20,519	8	-67.2		8	28	54	11	23,641	10	-58.9		11	99	83	32

UPPER AIR DATA

MARCH 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																																									
NASSAU INTL.AP BAHAMAS	2	1,017		19.2	1.9					1,527	0	12.4	8.3	0	40	248	3	3,138	0	5.4	15.7	0	73	267	7	5,808	0	-10.9	14.5	0	94	274	19	9,534	0	-37.7	9.8	0	95	272	35
		12,217	0	-55.5		0	97	273	46	14,013	1	-64.1		2	98	274	42	16,438	1	-74.3		2	97	272	31	20,511	1	-65.0		2	61	278	5	23,705	2	-55.9		2	57	53	4
GRAND CAYMAN, B.W.I.	2	1,014		24.3	3.1					1,527	2	15.8	5.2	3	63	122	4	3,154	2	8.1	13.2	3	13	186	1	5,859	2	-6.8	18.0	2	88	272	8	9,635	2	-35.0	13.4	2	95	268	21
		12,337	2	-55.3		3	96	266	26	14,122	2	-66.6		2	97	270	23	16,508	4	-76.4		5	90	274	14	20,525	5	-65.7		7	38	304	1	23,713	6	-56.6		6	64	60	4
SAN JUAN/INT., P.R.	2	1,016		21.1	1.6					1,534	0	13.4	4.2	0	86	103	5	3,151	0	8.0	19.8	0	51	82	2	5,854	0	-6.7	18.5	0	73	322	6	9,637	0	-34.0	14.4	1	88	298	18
		12,355	0	-54.8		0	91	289	23	14,142	0	-66.8		0	95	293	20	16,526	1	-76.9		1	85	307	12	20,534	1	-66.1		1	47	329	2	23,716	2	-57.4		5	78	87	5
RAIZET, GUADELOUPE	2	1,015		22.5	2.4					1,530	0	13.7	2.5	0	95	95	7	3,149	0	8.0	13.3	0	89	76	5	5,862	0	-5.1	17.1	0	61	335	5	9,676	0	-31.6	13.8	1	82	299	14
		12,413	0	-53.3		1	87	281	20	14,205	0	-66.8		1	93	284	19	16,582	0	-77.4		1	87	306	9	20,564	1	-68.0		4	51	295	3	23,737	4	-57.9		5	84	82	10
GRANTLEY ADAMS AP,BARBADOS	2	1,010		25.1	4.9					1,534	0	13.9	2.3	0	95	84	7	3,155	0	8.0	16.2	0	38	67	2	5,867	0	-5.3	19.4	0	34	354	3	9,679	2	-32.4	14.7	2	74	294	12
		12,404	2	-54.6		2	85	266	16	14,186	2	-68.1		2	93	276	17	16,551	3	-78.6		3	80	303	6	20,575	4	-64.5		4	47	46	1	23,755	7	-56.9		7	99	87	17
PIARCO INT. AP, TRINIDAD	2	1,012		24.0	1.9					1,523	1	15.7	5.0	2	92	89	7	3,149	1	8.5	15.2	2	30	63	1	5,865	1	-5.1	19.6	2	41	42	3	9,690	1	-31.6	15.3	2	54	305	5
		12,422	1	-54.2		2	88	258	10	14,207	2	-68.0		3	90	284	12	16,563	2	-80.1		3	71	314	4	20,572	3	-64.9		4	16	33	1	23,742	4	-57.3		5	99	93	20
DR.A. PLESMAN AP,CURACAO	3	1,005		25.6	4.2					1,509	0	16.7	7.0	0	96	93	9	3,141	0	8.8	16.2	0	34	91	2	5,860	0	-5.2	19.4	0	51	41	4	9,677	0	-32.0	14.8	0	49	301	5
		12,407	0	-54.4		0	82	250	10	14,192	0	-68.0		0	91	265	11	16,558	1	-81.8		1	61	290	5	20,570	2	-65.4		2	23	50	1	23,727	2	-58.7		2	96	86	13
SOUTH AMERICA																																									
VENEZUELA																																									
LA CANADA(MARACAIBO)	2	1,007		24.6	4.2					1,498	5	17.2	3.4	5	93	98	8	3,132	5	7.8	9.5	5	51	92	4	5,832	5	-6.5	21.9	5	39	37	3	9,636	6	-33.2	13.6	6	45	282	8
		12,355	9	-55.2		9	72	233	17																																
MARACAY-B.A. SUCRE	2	961		21.0	4.2					1,492	7	16.4	5.3	9	63	94	33	3,121	7	7.8	11.7	9	58	57	31	5,832	7	-5.8	15.9	9	19	61	58	9,647	7	-32.2	12.0	9	35	311	80
		12,378	10	-54.3		10	45	287	90	14,160	9	-68.6		9	50	291	85	16,510	13	-80.6		9	75	334	12	20,646	14	-78.6						23,751	22	-68.9					
SAN ANTONIO DEL TACHIRA	2	968		21.5	1.5					1,477		16.7	1.2		34	135	3	3,108		7.3	2.2		81	130	10	5,812		-6.5	21.4		63	65	9	9,613		-32.7	19.2		73	70	11
		12,336		-50.5			68	180	12																																
SANTA ELENA DE UAIREN	2	913		18.1	1.7					1,492	3	16.9	3.8	6	85	54	7	3,125	3	8.2	7.3	7	56	69	4	5,832	3	-6.2	13.0	7	40	92	5	9,640	3	-31.2	13.6	8	67	171	10
		12,368	3	-52.9		9	26	235	5	14,152	3	-65.5		9	81	217	15	16,507	3	-81.1		9	24	283	5	20,533	11	-68.3						23,677	14	-59.2					
FRENCH GUIANA																																									
CAYENNE/ROCHAMBEAU	2	1,011		23.9	1.4					1,509	0	15.7	2.2	0	90	73	8	3,143	0	9.5	8.7	0	88	99	7	5,860	1	-5.0	11.8	1	24	160	2	9,695	2	-30.5	12.0	2	33	222	3
		12,445	2	-52.2		2	57	199	8	14,243	2	-66.8		2	72	275	10	16,599	2	-80.2		2	71	288	9	20,588	2	-69.5		2	89	277	10	23,694	3	-59.7		4	99	98	31
COLOMBIA																																									
BOGOTA/EL DORADO	2	753		9.2	1.6													3,148	6	8.1	2.4	6	87	97	2	5,860	6	-5.3	15.5	8	67	72	4	9,681	6	-31.8	11.7	7	61	89	4
		12,411	8	-54.2		8	66	134	6	14,195	9	-68.5		9	41	234	3	16,553	12	-81.0		14	17	347	1	20,568	18	-67.8		18	79	262	9								
GAVIOTAS/VICHADA	1	982		24.1	2.3					1,427	0	19.7	7.2	7	42	56	1	3,066	0	9.0	7.1	7	31	333	1	5,778	0	-5.2	16.1	6	33	117	2	9,609	2	-30.8	18.8	7	8	183	1
		12,345	2	-53.4		7	63	174	5	14,134	2	-67.3		7	57	233	4	16,501	5	-77.9		13	19	243	1	20,590	12	-64.5													
PERU																																									
LIMA-CALLAO/INTL AP/	1	1,008		22.7	3.8					1,493	15	17.8	5.8	15	35	330	1	3,135	15	10.0	10.5	15	18	326	1	5,861	15	-5.0	3.1	15	45	83	1	9,694	15	-30.8	8.8	15	82	73	5
		12,434	15	-54.1		15	96	35	11	14,220	15	-68.5		17	92	30	8	16,566	18	-81.4																					
BRAZIL-NORTHERN																																									
MANAUS AERO PONTA PELADA		1,002		24.9	1.6					1,524	5	18.0	4.3	4	89	50	7	3,164	6	9.5	4.0	5	88	86	6	5,852	6	-5.5	5.8	5	81	116	4	9,708	6	-31.7	12.9	4	91	114	7
		12,446	6	-53.1		4	81	125	11	14,242	12	-66.7		10	52	126	6	16,612	16	-81.2		14	40	135	4																
VILHENA /AEROPORTO/		945		21.7	0.7					1,513	7	19.1	4.9	7	36	325	1	3,159	7	10.8	6.3	7	31	357	1	5,887	7	-5.0	8.1	7	26	48	0	9,713	8	-30.5	14.8	8	37	102	2
		12,474	9	-52.0		9	60	107	2	14,277	12	-62.2		13	73	94	4																								
CACHIMBO		960		22.4	2.0					1,491	8	17.6	1.5	6	75	40	5	3,134	8	9.5	4.9	6	85	68	7	5,855	9	-5.8	6.2	7	79	87	5	9,690	9	-31.6	14.7	7	79	99	7
		12,437	10	-52.6		8	77	109	13	14,236	11	-66.6		9	87	112	17																								
BELEM/AERO VAL DE CAS		1,010		26.0	2.4					1,520	3	17.8	4.3	3	81	70	3	3,161	4	9.4	5.3	3	92	91	6	5,884	3	-5.4	7.0	3	72	83	3	9,712	3	-31.6	12.0	3	73	96	4
		12,450	3	-53.8		4	64	126	5	14,237	4	-67.3		4	25	137	2	16,609	5	-80.0		10	33	204	2																
SAO LUIZ		1,005		25.8	1.8					1,511	8	18.3	3.3	3	85	92	5	3,151	8	10.2	5.3	3	92	102	7	5,876	8	-4.8	9.5	4	79	104	4	9,716	10	-29.6	12.4	6	58	115	4
		12,473	11	-52.5		6	45	124	4	14,268	11	-66.9		7	29	155	3	16,636	11	-79.9		8	25	144	2	20,585	14	-69.8		14	48	232	3								
FORTALEZA		1,008		26.4	2.5					1,490	4	18.7	2.7	12	96	111	8	3,155	4	10.9	5.6	3	88	100	8	5,883	3	-4.5	6.9	4	92	100	7	9,711	5	-30.9	13.2	5	60	120	4
		12,469	7	-52.9		5	50	153	4	14,260	7	-63.1		7	34	188	3	16,632	11	-79.2		9	56	123	4	20,643	14	-69.3		14	18	255	2								
FERNANDO DE NORONHA		1,004		26.9	2.3					1,514	5	18.4	4.2	4	90	96	5	3,155	5	9.6	5.6	4	91	84	6	5,873	6	-5.6	9.4	5	88	80	6	9,694	6	-31.4	14.5	5	62	106	4
		12,424	6	-53.6		5	11	278	1	14,209	6	-67.6		5	36	237	2	16,563	7	-81.4		6	49	118	3	20,569	12	-72.4		12	36	111	2	23,686	15	-62.8		15	99	94	26
NATAL /AUGUSTO SEVERO/		1,005		28.6	4.3					1,511	8	17.8	6.3	11	92	108	6	3,150	8	9.9	14.5	11	90	96	8	5,875	8	-4.8	18.3	11	95	92	7	9,712	8	-30.7	20.7	11	56	116	4
		12,456	8	-52.0		12	30	183	2	14,391	9	-65.3		13	38	195	3	16,648	9	-78.4		13	64	137	4	20,638	11	-69.7		14	50	104	3	23,742	14	-61.8		15	99	96	20
CAROLINA		990		24.6	1.9					1,524	3	18.2	3.1	2	80	66	3	3,169	3	9.7	4.3	2	91	98	5	5,886	3	-5.1	7.4	3	88	103	4	9,720	3	-29.2	11.2	2	82	121	5
		12,479	3	-51.6		2	65	146	4	14,283	3	-67.2		2	74	151	6	16,626	6	-80.8		5	75	128	6	20,604	10	-71.0		11	71	114	3								
RECIFE /CURADO/		1,011		28.9	5.2					1,515	8	18.2	4.0	68	9	98	4	3,153	8	10.9	9.1	6	89	91	5	5,883	9	-3.8	18.5	6	86	90	5	9,715	10	-30.3		7	59	47	3
		12,466	10	-52.0		7	5	98	0	14,266	10	-66.3		8	29	157	2																								
BRAZIL-SOUTHERN																																									
CAMPO GRANDE		949		25.3	5.1					1,522	1	20.2	5.5	1	66	6	3	3,171	1	10.6	6.9	1	46	326	3	5,902	1	-4.7	12.4	1	18	245	1	9,722	1	-31.1	14.9	1	16	258	**
		12,475	1	-51.6		1	35	281	2	14,282	1	-65.3		1	67	245	4	16,653	1	-79.7		1	64	193	3																
BRASILIA/AEROPORTO/		897		21.8	4.3					1,525	1	19.5	5.0	1	30	94	2	3,173	1	10.1	6.4	1	44	11	2	5,896	1	-5.4	14.0	1	38	91	2	9,743	1	-31.1	17.6	1	81	116	8
		12,475	1	-52.3		1	90	122	13	14,269	1	-66.0		1	87	121	13	16,639	1	-80.4		2	82	97	8	20,650	7	-67.4		7	99	79	15	23,780	11	-58.0		11	98	75	24
TRINIDADE/ILHA/		1,015		28.8	4.8					1,544	9	16.6	7.3	9	61	12	3	3,176	9	8.2	12.7	10	37	4	2	5,867	9	-5.2		9	10	265	0	9,411	10	-33.4		10	38	194	3
		12,393	12	-55.7		11	63	186	7	14,178	11	-68.5		11	57	185	6	16,542	11	-78.4		12	33	240	2	20,561	16	-66.5													
RIO DE JANEIRO/AERO GALEAO		1,009		26.4	3.5					1,530	9	18.3	6.5	7	49	310	3	3,169	8	10.2	14.4	7	55	272	3	5,892	8	-4.9	17.0	7	68	264	5	9,720	8	-31.6	18.9	7	76	251	9
		12,455	8	-52.9		7	82	231	15	14,239	9	-65.4		7	82	226	15	16,624	10	-78.1		9	83	197	8	20,683	10	-65.1		12	96	87	10	23,720	12	-55.5		13	99	97	18

UPPER AIR DATA

MARCH 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
SOUTH AMERICA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
BRAZIL-SOUTHERN																																									
SAO PAULO:AEROPORTO:		924		20.2	4.4					1,521	1	17.3	6.3	1	27	18	2	3,157	1	8.8	9.9	1	64	274	3	5,875	1	-5.0	15.4	1	71	248	5	9,694	1	-32.0	15.8	1	81	250	9
		12,430	1	-52.8		1	83	244	14	14,231	3	-66.0		2	89	239	16	16,605	2	-77.8		2	84	226	8	20,690	10	-65.2		10	82	89	8	23,390	15	-54.9		15	95	94	13
CURITIBA/AERO AFONSO PENA		913		19.3	3.4					1,523	1	16.8	5.7	1	45	61	2	3,160	1	9.5	11.2	1	62	292	4	5,879	1	-5.4	15.0	17	6	246	7	9,691	1	-31.7	17.5	1	91	251	14
		12,452	1	-52.2		1	95	248	19	14,256	2	-65.7		3	94	243	20	16,642	3	-77.3		6	89	236	12	20,745	5	-62.5		8	1	91	6	23,966	10	-52.1		12	97	86	14
PORTO ALEGRE/AERO S.FILHO		1,014		23.9	4.8					1,521	1	15.2	6.0	10	28	47	2	3,150	2	8.6	18.4	10	52	221	3	5,857	2	-6.5	20.8	10	78	228	8	9,642	1	-33.1	19.4	10	95	242	24
		12,383	1	-53.1						14,186	1	-64.8						16,592	2	-73.5						20,704	7	-61.9						23,952	8	-52.3					
CHILE																																									
ANTOFAGASTA/CERRO MORENO	2	1,000		16.6	2.4					1,496	0	17.6	18.8	0	83	36	3	3,137	1	10.1	17.4	1	79	345	4	5,857	0	-5.1	18.3	0	84	302	7	9,681	0	-31.3	15.2	0	95	296	17
		12,423	0	-53.2		0	97	308	24	14,218	0	-66.9		0	97	308	23	16,598	0	-77.1		0	92	294	10	20,677	0	-63.8		0	95	98	10	23,883	3	-54.4		3	99	89	17
QUINTERO	2	1,015		13.7	1.3					1,507	0	14.9	18.4	1	23	352	1	3,131	1	7.3	21.4	1	88	336	8	5,805	0	-11.3	14.8	0	78	295	9	9,527	1	-38.1	13.3	4	77	277	17
		12,219	3	-53.8		7	90	279	23	14,039	2	-60.4		7	95	282	20	16,520	2	-68.1		7	94	278	14	20,730	5	-60.1		7	50	97	3	23,990	6	-50.8		8	92	91	8
PUERTO MONTT /EL TEPUAL	2	1,006		9.5	2.0					1,485	1	8.6	12.0	2	20	290	1	3,069	1	1.4	13.7	2	63	258	6	5,698	1	-15.2	14.4	2	70	255	10	9,360	1	-41.7	8.7	2	70	251	15
		12,018	1	-55.2		1	73	248	18	13,839	1	-58.6		1	87	255	17	16,369	1	-61.4		1	94	251	14	20,689	4	-57.4		4	81	235	4	23,958	10	-51.8		11	59	206	2
PUNTA ARENAS/CARLOS IBANEZ	2	1,006		6.1	2.7					1,420	0	2.6	7.6	1	82	263	11	2,969	0	-5.1	8.4	0	78	266	12	5,535	0	-21.4	10.5	0	78	260	15	9,112	0	-46.4		5	80	258	19
		11,731	0	-56.2		5	79	252	20	13,567	0	-55.2		6	87	256	18	16,155	0	-55.3		6	89	258	14	20,592	1	-53.7		7	88	247	8	23,890	5	-51.3		10	76	250	8
ANTARCTICA																																									
HALLEY BAY	2	980		-15.2	2.5					1,118	3	-15.4	4.4					2,571	3	-20.0	9.1					4,995	3	-34.4	8.2					8,412	4	-52.4	9.8				
		11,071	5	-47.5	18.0					12,960	6	-48.2						15,630	6	-49.4						20,164	6	-50.1						23,485	7	-50.7					
SYOWA	1	981		-6.9	4.3					1,126	3	-11.5	4.8	2	76	28	16	2,593	2	-19.2	6.8	2	42	359	7	5,023	2	-33.5	8.4	2	47	281	12	8,443	2	-53.8		2	58	277	10
		11,078	2	-48.5		2	79	274	19	12,970	2	-48.9		2	84	273	19	15,627	2	-49.5		2	90	276	18	20,153	3	-50.4		4	97	276	18	23,473	4	-50.7		4	98	278	19
AMUNDSEN-SCOTT	1	680		-51.3														2,652								4,980	0	-38.8		0	42	209	7	8,349	0	-55.9		0	66	188	15
		10,953	0	-51.7		0	79	185	12	12,822	0	-51.2		0	75	179	9	15,453	1	-51.2		1	75	157	7	19,939	1	-52.3		1	75	138	7	23,226	2	-52.9		3	75	122	7
EUROPE																																									
GREENLAND																																									
DANMARKSHAVN	3	1,021		-23.6	4.1					1,380	0	-18.2	8.1	0	41	265	4	2,821	0	-22.1	9.1	0	57	227	7	5,225	0	-36.5	7.5	0	72	232	14	8,610	0	-54.1		0	79	236	19
		11,207	0	-53.1		0	78	242	14	13,065	0	-52.8		0	76	269	12	15,671	0	-54.4		0	70	258	10	20,145	0	-54.6		0	39	282	6	23,413	1	-51.4		1	3	328	1
SCORESBYSUND	3	1,011		-11.9	2.4					1,399	0	-13.1	10.0	0	36	239	3	2,862	0	-18.4	12.4	0	61	228	8	5,299	0	-33.8	10.6	0	66	232	13	8,707	0	-54.9		0	68	233	17
		11,276	0	-55.8		0	70	245	14	13,115	0	-54.2		0	69	250	12	15,711	0	-55.7		0	68	264	12	20,082	1	-57.8		1	57	283	10	23,328	1	-55.7		2	36	314	7
EGEDESMINDE	3	1,012		-21.5	5.5					1,337	0	-18.8	9.7	0	32	198	3	2,764	0	-25.7	10.9	0	43	206	5	5,135	0	-39.4		0	54	220	10	8,499	0	-53.8		3	63	250	12
		11,115	0	-51.4		6	65	256	11	12,987	0	-50.9		6	56	252	9	15,629	0	-50.8						20,120	0	-52.7						23,433	1	-50.3					
ANGMAGSSALIK	3	1,009		-7.1	3.3					1,372	0	-12.3	6.3	0	60	90	5	2,837	0	-19.0	6.9	0	48	167	6	5,271	0	-33.5	8.2	0	57	203	12	8,695	0	-52.1		0	64	226	18
		11,314	0	-51.9		0	70	232	16	13,183	0	-51.5		0	66	237	13	15,811	1	-52.3		0	55	243	10	20,274	1	-53.8		0	44	277	7	23,533	1	-54.7		1	47	302	7
NARSSARSSUAQ	3	1,013		-8.3	5.0					1,365	0	-11.8	7.1	0	33	181	2	2,826	0	-20.0	8.5	0	43	224	5	5,259	0	-32.5	15.2	0	55	241	12	8,702	0	-51.5		1	63	242	19
		11,309	0	-52.9		0	73	245	17	13,165	0	-52.3		0	72	249	14	15,780	0	-53.1		0	70	253	11	20,219	0	-54.3		0	69	275	9	23,489	1	-53.9		1	68	295	8
ICELAND																																									
KEFLAVIK	2	1,010		1.7	2.9					1,413	0	-6.5	3.4	1	63	196	8	2,908	0	-14.4	9.4	1	53	202	8	5,382	0	-30.5	9.2	0	54	222	11	8,825	1	-52.9		1	58	242	15
		11,409	1	-54.8		1	62	249	13	13,257	1	-53.4		1	57	251	10	15,863	1	-54.5		1	47	261	7	20,293	1	-56.0		2	40	285	6	23,536	4	-56.9		5	35	311	6
UNITED KINGDOM																																									
LERWICK	3	1,008		3.1	3.4					1,441	1	-6.9	3.4	1	19	114	2	2,933	1	-14.5	9.1	1	11	20	1	5,408	1	-29.8	8.3	1	26	316	4	8,862	2	-54.0		2	32	304	7
		11,426	2	-57.3		2	50	316	8	13,253	3	-56.3		3	51	309	7	15,839	3	-56.8		3	42	316	6	20,221	4	-59.2		4	45	320	7	23,390	6	-62.4		6	45	320	8
STORNOWAY	3	1,016		4.9	2.2					1,441	0	-5.4	3.3	0	6	146	1	2,927	0	-13.0	8.7	0	4	314	1	5,428	0	-29.0	9.5	0	23	295	3	8,890	0	-53.4		0	33	308	8
		11,450	0	-57.7		0	55	307	10	13,266	0	-56.8		0	48	306	8	15,845	0	-57.0		0	45	302	7	20,252	2	-57.2		0	22	330	3	23,485	7	-57.9		4	23	324	4
AUGHTON	3	1,010		4.8	3.0					1,435	0	-4.5	3.1	0	15	16	1	2,945	0	-11.2	9.6	0	31	333	3	5,447	0	-27.6	10.5	0	37	323	5	8,918	0	-52.9		0	45	321	9
		11,487	0	-58.0		0	53	323	10	13,307	0	-56.2		0	7	312	7	15,881	0	-56.6		0	45	299	6	20,267	0	-57.6		0	44	282	6	23,503	1	-58.4		0	48	276	8
CRAWLEY	3	999		4.7	3.1					1,435	0	-3.2	5.3	0	11	339	1	2,948	0	-11.1	8.6	0	20	335	2	5,452	0	-27.4	10.1	0	34	336	5	8,931	0	-52.8		0	44	332	10
		11,497	0	-57.4		0	51	329	9	13,329	0	-55.5		0	51	309	7	15,908	0	-56.5		0	47	288	6	20,290	0	-57.7		0	57	266	8	23,495	0	-59.9		0	66	264	20
IRELAND																																									
VALENTIA OBSERVATORY	3	1,016		6.8	3.9					1,449	0	-3.6	3.6	0	18	18	1	2,969	0	-9.3	15.4	0	35	319	3	5,489	0	-25.9	15.3	0	50	312	7	8,990	0	-51.2	14.9	0	60	308	12
		11,565	0	-58.4		0	63	311	11	13,377	0	-56.9		0	64	310	9	15,944	0	-57.2		0	52	302	7	20,310	2	-57.8		2	48	290	6	23,525	3	-59.0		4	35	279	6
DENMARK AND FAROE IS																																									
THORSHAVN	3	1,012		2.8	2.5					1,440	0	-6.6	2.7	0	8	159	1	2,935	0	-13.7	10.5	0	19	259	3	5,415	0	-29.7	8.7	0	30	289	5	8,870	0	-53.6		0	39	288	9
		11,437	0	-56.6		0	51	292	9	13,263	0	-55.5		0	51	294	8	15,833	0	-55.6		0	42	300	6	20,235	1	-57.9		2	31	302	5	23,472	17	-60.9					
KOBENHAVN/JAEGERSBORG	3	1,014		1.4	3.8					1,436	0	-6.7	7.1	0	25	142	2	2,937	0	-12.6	11.2	0	18	284	2	5,427	0	-28.8	9.7	0	21	237	3	8,889	0	-53.5		0	31	239	6
		11,451	0	-56.8		0	39	280	5	13,285	0	-55.0		0	50	278	6	15,873	0	-55.7		0	59	279	7	20,278	0	-57.5		0	69	275	9	23,499	0	-58.7		1	84	263	12
NORWAY																																									
BJORNOYA	3	1,017		-7.2	2.0					1,399	0	-13.2	5.1	0	33	297	4	2,859	0	-20.1	10.2	0	5	290	7	5,282	0	-34.5	9.0	0	61	303	10	8,702	0	-54.8		0	60	302	12
		11,261	0	-56.1		0	54	307	8	13,087	0	-55.1		0	75	300	9	15,669	0	-56.4		0	61	304	7	20,094	0	-55.8		0	35	309	5	23,339	0	-52.7		0	10	91	2
JAN MAYEN	3	1,017		-3.2	3.3					1,407	0	-10.3	6.8	2	36	233	4	2,883	0	-17.3	11.4	3	49	238	7	5,331	0	-32.4	9.5	4	49	253	8	8,750	4	-54.2	9.5	8	57	271	12
		11,320	6	-55.3	16.3	9	70	271	11	13,164	6	-53.9	21.2	9	80	281	12	15,759	9	-54.6	24.6	9	82	289	11	20,196	16	-56.0	26.3	9	49	300	7	23,470	25	-54.4	29.0	9	4	297	1
BODO	3	1,018		-0.5	3.1					1,426	0	-9.1	4.4	0	35	265	3	2,907	0	-16.3	5.4	0	41	280	5	5,361	0	-32.2	5.7	0	32	285	5	8,793	0	-54.2		0	30	287	6
		11,370	0	-56.1		0	43	303	6	13,207	0	-54.2		0	56	305	7	15,795	0	-55.5		0	58	305	7	20,202	0	-57.8		0	50	308	7	23,447	1	-57.0		1	28	330	4
ORLAND	3	1,019		0.5	5.1					1,441	0	-7.4	6.0	2	19	262	2	2,932	0	-15.4	7.5	2	26	277	4	5,394	0	-31.4	8.0	1	30	292	6	8,832	0	-54.8		1	56	284	14
		11,397	1	-60.8		3	59	292	11	13,232	1	-54.8		3	74	300	12	15,823	1	-55.0		3	69	303	13	19,844	3	-54.6		5	46	312	9	23,525	5	-55.8		9	81	308	14
STAVANGER/SOLA	3	1,016		1.6	6.3					1,437	0	-7.1	5.1	0	36	138	4	2,926	0	-14.6	8.1	0	5	346	1	5,405	0	-30.8	8.4	0	20	300	3	8,847	0	-54.6		0	30	306	6
		11,411	0	-57.0		0	44	303	6	13,236	0	-64.8		0	54	295	7	15,814	0	-56.7		0	48	289	6	20,185	0	-59.3		1	43	300	7	23,369	9	-62.5		9	60	304	11

UPPER AIR DATA

MARCH 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
EUROPE		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORWAY																																											
OSLO/GARDERMOEN	3	996		-2.8	5.0					1,448	0	-8.3	6.7	0	17	30	2	2,939	0	-14.7	10.1	0	7	343	1	5,415	0	-29.8	11.3	0	25	285	4	8,873	0	-53.1		0	28	270	6
		11,453	0	-55.5		0	45	291	7	13,295	0	-54.2		0	52	288	7	15,888	0	-55.4		0	56	291	7	20,306	0	-57.6		0	60	297	9	23,526	0	-58.3		0	58	287	8
FINLAND																																											
SODANKYLA	3	998		-10.2	3.1					1,425	0	-11.3	6.7	0	16	285	2	2,894	0	-18.9	7.5	0	31	304	3	5,329	0	-33.5	7.8	0	36	319	6	8,746	0	-54.3	9.1	0	34	320	8
		11,324	0	-55.7		0	37	301	6	13,158	0	-55.1		0	43	292	6	15,742	0	-55.9		0	44	287	6	20,154	0	-57.4		0	24	291	3	23,419	1	-53.1		1	20	112	3
JYVASKYLA/LUONETJARVI	3	1,003		-6.9	3.1					1,436	0	-9.5	7.9	0	13	241	1	2,913	0	-17.3	8.6	0	24	271	2	5,359	0	-32.6	7.6	0	30	300	4	8,787	0	-53.4	8.8	0	39	291	7
		11,368	0	-55.3		0	41	284	6	13,207	0	-55.0		0	52	281	7	15,798	1	-55.3		0	56	277	7	20,215	6	-57.7		0	61	278	8								
JOKIOINEN	3	1,008		-5.6	2.9					1,436	0	-8.8	7.5	0	8	248	2	2,920	0	-16.3	9.1	0	21	282	2	5,375	0	-31.6	8.7	0	33	306	6	8,815	0	-53.1	8.0	0	42	300	9
		11,395	0	-55.5		0	49	283	8	13,231	0	-55.3		0	58	280	8	15,812	0	-56.5		0	62	280	8	20,192	0	-58.7		0	69	278	9	23,405	8	-55.7		4	59	270	6
FRANCE																																											
BREST/GUIPAVAS	1	1,002		5.1	2.8					1,427	2	-2.1	4.8	4	16	298	2	2,948	2	-10.0	7.6	4	32	302	4	5,467	2	-26.0	8.5	4	33	317	6	8,966	2	-51.3		4	41	321	9
		11,529	3	-57.3		4	50	317	9	13,354	3	-55.9		4	55	299	8	15,930	3	-56.3		8	57	284	7	20,311	8	-56.9													
TRAPPES	1	995		3.4	2.8					1,434	0	-2.8	4.1	1	15	261	1	2,949	0	-11.4	7.0	1	25	284	3	5,448	0	-27.9	7.1	0	37	324	6	8,926	0	-52.6		0	47	336	11
		11,501	0	-56.6		0	51	323	9	13,328	1	-55.2		0	54	304	8	15,912	1	-55.9		1	53	282	6	20,317	2	-57.2		4	75	239	8	23,546	5	-57.9		5	80	240	10
NANCY/ESSEY	2	990		6.5	-6.0					1,438	0	-2.5	5.4	0	15	238	1	2,956	0	-10.8	7.6	0	19	272	2	5,460	1	-28.0	7.7	0	26	296	3	8,941	1	-51.3		0	33	311	6
		11,532	1	-55.2		0	46	302	6	13,377	1	-53.7		0	47	290	6	15,976	2	-54.9		0	55	277	6	20,390	6	-55.9		4	76	263	9	23,644	9	-57.7		9	81	263	13
LYON/SATOLAS	2	987		7.4	6.3					1,440	0	-1.4	5.5	1	8	347	1	2,963	0	-10.1	7.7	1	24	316	2	5,473	0	-27.2	7.1	1	28	295	4	8,956	0	-51.4		1	35	302	7
		11,552	0	-55.2		1	58	294	10	13,397	0	-53.6		1	65	291	9	16,001	3	-54.7		4	71	259	8	20,436	4	-54.3		3	79	240	7	23,720	8	-54.4		7	79	235	9
BORDEAUX/MERIGNAC	1	1,010		5.5	3.0					1,440	2	-1.2	5.7	2	13	317	1	2,963	2	-10.0	7.0	2	33	309	4	5,478	2	-26.6	8.0	23	3	297	6	8,975	3	-50.8		2	41	310	10
		11,561	3	-56.2		2	65	298	12	13,393	3	-55.3		2	73	286	11	15,969	4	-56.7		2	70	251	9	20,353	5	-56.7		3	73	252	8	23,580	8	-58.0		5	72	253	10
NIMES/COURBESSAC	1	1,006		7.0	5.8					1,428	4	-0.2	5.4	6	48	8	5	2,956	4	-9.2	6.6	7	42	311	5	5,474	5	-26.8	7.4	8	49	293	8	8,981	8	-51.2		9	55	302	14
		11,563	8	-56.0						13,400	8	-54.7						15,988	10	-55.9																					
AJACCIO/CAMPO DEL ORO	2	1,011		12.8	6.1					1,423	1	0.6	3.8	5	22	236	1	2,955	1	-8.6	7.4	6	49	293	5	5,483	1	-25.9	7.3	7	51	291	7	8,981	3	-51.2		9	47	295	8
		11,580	4	-54.8		9	77	284	13	13,427	4	-53.7						16,063	5	-55.4						20,458	8	-54.3						23,740	12	-54.2					
BELGIUM																																											
UCCLE	2	1,003		4.9	3.2					1,430	0	-3.4	2.4	0	17	245	2	2,941	0	-11.6	4.3	0	22	263	2	5,438	0	-28.3	4.8	0	23	313	4	8,908	0	-52.9		0	34	338	7
		11,481	0	-56.3		0	41	317	8	13,316	0	-54.7		0	38	305	6	15,905	0	-55.4		0	46	286	6	20,311	5	-56.5		5	74	257	9	23,523	9	-58.4		9	77	256	13
NETHERLANDS																																											
DE BILT		1,015		2.7	2.1					1,427	0	-3.2	6.0	0	7	230	1	2,942	0	-11.4	12.3	0	9	249	1	5,442	0	-28.5	12.3	0	22	331	3	8,904	0	-53.5		0	37	333	8
		11,477	0	-57.0		0	42	326	7	13,308	0	-55.5		0	40	310	6	15,889	0	-56.4		0	49	292	6	20,279	1	-58.1		0	59	274	8	23,527	8	-58.7		2	71	261	11
SWITZERLAND																																											
PAYERNE/ STN. AEROLOGICAL	3	957		2.3	4.2					1,468	0	-4.8	2.9	0	12	315	2	3,091	0	-2.5	6.5	0	26	345	4	5,483	0	-27.8	7.3	0	43	345	9	8,963	0	-51.9	5.7	1	52	348	16
		11,549	0	-55.8	6.3	1	64	331	13	13,381	0	-56.3		1	73	309	22	15,937	0	-59.7		1	85	286	13	20,248	1	-62.6		2	92	273	18	23,401	1	-62.9		4	83	276	23
FEDERAL REP OF GERMANY																																											
SCHLESWIG	3	1,012		1.8	3.2					1,435	0	-5.0	7.2	0	24	141	2	2,944	0	-12.2	10.2	0	8	231	1	5,438	0	-28.9	8.0	0	11	247	1	8,904	0	-53.5	6.2	0	14	222	3
		11,473	0	-56.5	6.6	0	28	294	4	13,306	0	-55.5		0	40	294	5	15,889	0	-56.4		0	48	282	6	20,266	0	-58.5		0	66	273	8	23,499	0	-60.0		0	80	268	11
HANNOVER	3	1,011		3.1	4.8					1,436	0	-4.3	6.3	0	22	169	2	2,947	0	-11.9	10.9	0	13	229	1	5,443	0	-28.8	10.8	0	15	258	2	8,909	0	-53.3	8.0	0	14	234	3
		11,483	0	-56.6	8.5	0	28	295	4	13,317	0	-55.0		0	40	289	5	15,903	0	-55.8		0	50	279	6	20,299	0	-57.6		0	68	266	9	23,513	0	-59.2		0	79	263	12
BERLIN/TEMPELHOF	2	1,012		3.7	6.9					1,439	0	-4.9	8.7	0	7	148	1	2,950	0	-11.4	12.8	0	10	243	1	5,450	0	-28.1	11.7	0	22	210	3	8,917	0	-53.7	10.0	0	21	208	3
		11,481	0	-56.2	13.4	0	31	261	4	13,321	1	-54.7		1	41	274	5	15,913	3	-55.3		3	52	272	6	20,321	5	-56.8		5	75	269	9	23,547	6	-58.2		6	84	263	13
ESSEN	3	998		4.6	5.4					1,439	0	-3.4	4.4	0	26	226	2	2,951	0	-11.3	9.0	0	13	259	1	5,449	0	-28.4	9.2	0	14	307	2	8,915	0	-53.1	7.1	0	24	334	5
		11,491	0	-55.9	7.9	0	35	323	5	13,327	0	-55.0		0	37	297	5	15,913	0	-55.8		0	49	284	6	20,305	0	-57.6		0	65	267	8	23,518	0	-59.5		0	76	265	12
STUTTGART/CANNSTATT	3	978		3.2	4.7					1,438	0	-3.1	4.6	0	16	239	1	2,951	0	-11.5	8.0	0	19	265	1	5,450	0	-28.4	8.2	0	28	247	3	8,920	0	-53.0	6.9	0	23	265	4
		11,498	0	-55.8	7.3	0	43	291	5	13,337	0	-54.6		0	46	284	5	15,929	0	-55.4		0	55	278	6	20,339	0	-56.7		0	78	259	10	23,567	0	-58.4		0	80	259	13
MUNCHEN/OBERSCHLEISSHEIM	3	958		1.6	4.1					1,438	0	-2.8	5.3	0	12	262	1	2,954	0	-11.2	7.4	0	27	294	2	5,460	0	-27.6	8.6	0	26	249	3	8,934	0	-53.2	6.5	0	30	243	5
		11,510	0	-55.9	7.5	0	44	276	6	13,351	0	-54.4		0	49	281	6	15,945	0	-55.3		0	63	273	7	20,363	0	-56.1		0	80	262	11	23,603	0	-57.5		0	83	257	14
AUSTRIA																																											
WIEN/HOHE-WARTE	3	993		4.7	7.8					1,444	0	-3.6	4.6	0	22	332	4	2,958	0	-10.7	10.1	0	25	11	4	5,466	0	-27.1	9.9	0	12	259	2	8,938	0	-53.8		0	28	227	9
		11,497	0	-56.7		0	44	259	10	13,331	0	-54.8		0	59	262	12	15,920	0	-55.5		0	71	260	14	20,333	1	-55.8		1	84	258	21	23,563	4	-57.3		4	90	254	29
CZECHOSLOVAKIA																																											
LIBUS	3	980		3.1	6.0					1,438	0	-4.6	3.9	1	13	21	1	2,948	0	-11.1	7.6	1	18	357	1	5,450	0	-27.6	7.0	1	12	241	1	8,922	0	-53.2	5.6	1	19	235	3
		11,484	0	-57.0	5.6	1	30	275	4	13,316	0	-54.8	5.7	1	46	280	5	15,903	0	-55.7		2	64	276	7	20,357	13	-54.4		17	87	252	10	23,678	25	-54.1		28	79	244	12
POPRAD/GANOVCE	3	932		-0.2	3.8					1,434	0	-4.8	3.9	0	17	24	1	2,942	0	-11.1	6.4	0	12	126	1	5,450	0	-26.2	7.2	0	13	230	1	8,937	0	-53.0	5.3	0	23	236	4
		11,494	0	-57.6	5.4	0	46	243	6	13,322	0	-55.0	6.0	0	62	250	7	15,905	0	-55.9		0	77	256	8	20,309	0	-56.2		1	87	257	12	23,510	8	-58.1		8	83	256	15
HUNGARY																																											
BUDAPEST/LORINC	/	998		4.8	7.5					1,429	1	-3.4	4.7	2	9	71	1	2,942	1	-10.6	7.7	1	6	5	1	5,457	1	-26.3	7.6	1	17	238	2	8,945	2	-53.0	5.2	2	27	231	4
		11,514	2	-56.1		2	46	251	6	13,353	2	-54.1		3	64	255	7	15,953	5	-54.5		7	80	257	8	20,385	13	-54.9		15	85	256	11	23,635	21	-56.3		22	86	252	14
GIBRALTAR																																											
NORTH FRONT	3	1,016		13.7	5.1					1,476	0	4.0	6.4	0	40	267	4	3,032	0	-4.0	10.2	0	74	270	8	5,600	0	-21.4	11.5	0	86	274	13	9,161	0	-48.1		0	92	274	22
		11,765	0	-57.3		0	95	272	26	13,582	0	-57.3		0	97	268	25	16,128	0	-60.3		0	97	269	20	20,454	0	-58.3		0	87	259	8	23,683	3	-56.6		0	68	246	4
PORTUGAL																																											
LAJES /ACORES/	1	1,004		13.0	3.7					1,487	0	4.3	3.2	0	34	360	4	3,050	0	-3.7	7.6	1	29	350	4	5,620	1	-20.8	6.1	2	29	325	4	9,190	0	-48.6		0	30	340	6
		11,780	2	-58.6		5	56	320	9	13,580	7	-57.5		8	61	315	8	16,130																									
LISBOA/GAGO CONTINHO	2	1,002		12.0	6.7					1,459	1	3.6	12.0	1	31	281	3	3,007	1	-4.6	14.9	1	51	288	6	5,567	1	-21.9	16.3	2	59	285	9	9,121	2	-49.0		3	59	294	13
		11,705	4	-59.1		5	76	281	15	13,505	5	-57.9		5	94	274	16	16,056	5	-59.2		6	94	269	12																		

UPPER AIR DATA

MARCH 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
CAPE VERDE																																									
SAL	2	1,008		21.8	7.1					1,509	0	16.4	25.7	1	50	290	3	3,146	0	9.3	22.7	0	84	240	10	5,847	0	-8.4	23.6					9,625	0	-33.1		0	96	255	32
		12,352	0	-54.4		0	93	255	36	14,142	0	-66.9		1	92	260	34	16,535	0	-75.0		0	92	260	19	20,600	0	-65.2		0	26	105	2	23,778	2	-58.1		2	97	85	9
MADEIRA																																									
FUNCHAL	2	1,008		16.4	6.4					1,482	1	5.8	7.4	1	27	252	2	3,051	1	6.1	19.0	1	50	254	6	5,647	2	-19.1	17.3	2	66	274	11	9,268	6	-46.4		6	71	280	15
		11,893	9	-57.1		9	85	276	23																																
SPAIN																																									
LA CORUNA	3	1,007		9.5	4.7					1,452	0	1.6	8.5	0	41	240	1	2,990	0	-7.2	11.5	0	33	312	4	5,531	0	-24.0	12.5	0	51	307	8	9,062	0	-49.3	10.1	0	49	313	11
		11,646	0	-58.6		0	63	302	12	13,464	0	-55.8		0	82	290	11	16,029	1	-57.2		0	80	284	9	20,414	2	-56.8		2	75	273	7	23,659	4	-56.2		4	73	269	8
MADRID/BARAJAS	3	942		7.0	6.6					1,465	0	1.7	7.8	0	28	288	2	3,006	0	-6.6	13.1	0	45	294	5	5,551	0	-23.3	11.7	0	58	294	9	9,086	0	-49.1	11.7	0	63	299	14
		11,684	0	-57.0		0	85	287	18	13,510	0	-55.6		0	89	279	16	16,083	0	-57.6		0	89	276	13	20,466	0	-56.1		0	81	256	7	23,702	6	-56.3		6	71	260	6
PALMA/SON BONET	3	1,009		10.5	5.0					1,450	0	1.3	8.3	0	41	286	4	2,986	0	-7.2	15.4	0	61	290	7	5,519	0	-25.2	18.2	0	64	289	10	9,029	0	-50.2	18.7	0	72	284	16
		11,621	0	-55.9		0	89	283	21	13,454	0	-55.3		0	92	279	19	16,022	0	-58.2		0	92	276	15	20,385	1	-56.4		1	80	258	7	23,620	3	-56.5		3	59	242	5
YUGOSLAVIA																																									
ZAGREB/MAKSIMIR	1	1,000		4.1	4.3					1,434	0	-3.4	2.7	0	29	39	3	2,948	0	-10.7	6.5	0	15	26	1	5,464	0	-26.3	6.9	0	19	283	2	8,952	0	-53.0		0	28	240	4
		11,526	0	-55.9		0	62	265	7	13,367	0	-54.2		0	73	266	8	15,964	0	-54.9		0	84	264	9	20,387	1	-55.8		3	88	258	11	23,651	7	-57.3		9	85	246	12
BEOGRAD/ZELENO BRDO	3	986		5.0	5.2					1,435	0	-1.9	-3.9	0	10	316	1	2,956	0	-9.6	6.0	0	18	287	1	5,480	0	-25.6	9.1	0	18	249	2	8,980	0	-51.8		0	26	233	4
		11,564	0	-54.8		0	65	266	8	13,414	0	-53.4		0	83	268	9	16,019	0	-54.2		0	90	267	9	20,477	3	-54.0		3	90	257	9								
BULGARIA																																									
SOFIA OBS.		944		2.5	3.9					1,434	0	-2.7	2.5	0	22	302	1	2,952	0	-9.8	3.2	0	26	258	1	5,472	0	-25.6	5.8	0	41	247	3	8,987	0	-51.4	5.0	0	44	234	4
		11,578	0	-55.5	5.6	0	71	250	6	13,419	0	-54.0	6.6	0	84	253	6	16,013	0	-54.5	7.4	0	92	255	6	20,446	0	-55.1	7.8	0	87	246	5	23,711	0	-55.6	8.4	0	73	238	4
KURDJALI		975		4.6	3.0					1,441	2	-1.6	1.8	4	21	20	1	2,962	2	-9.4	3.3	2	46	270	2	5,472	2	-26.6	5.7	2	74	290	5	8,958	2	-52.6	4.7	2	82	280	4
		11,548	3	-55.3	4.7	5	92	285	10	13,383	3	-52.2	7.4	9	92	290	12	15,972	7	-55.1	10.0	9	77	270	7	20,450	11	-54.8	7.7	9	82	265	4	23,693	15	-55.7	7.4	9	87	270	2
ROMANIA																																									
CLUJ	1	966		0.9	2.5					1,427	0	-3.5	2.5	0	10	165	1	2,939	0	-10.4	3.9	0	30	215	2	5,452	0	-25.9	4.6	0	30	240	3	8,944	0	-52.2	3.4	0	30	235	5
		11,506	0	-57.7	3.0	0	40	250	7	13,330	0	-55.7	3.2	0	50	260	8	15,905	0	-55.8	3.7	0	60	255	9	20,342	11	-54.4		11	70	250	11	23,643	17	-53.7		17	70	245	10
BUCURESTI/IMH	1	1,004		-5.3	7.0					1,430	1	-3.9	2.2	1	50	49	4	2,944	1	-10.4	4.0	1	15	245	1	5,465	1	-25.7	5.2	1	20	240	2	9,006	1	-51.0	4.1	1	40	215	6
		11,547	1	-56.6	4.3	1	45	235	7	13,378	1	-54.7	4.7	1	65	240	9	15,969	1	-55.1	5.2	1	70	240	9																
CONSTANTA	1	1,013		3.1	1.0					1,416	0	-3.2	2.2	0	30	45	3	2,935	0	-9.9	4.1	0	20	30	4	5,456	0	-25.0	5.1	0	20	250	4	8,966	0	-51.2	3.8	0	40	245	6
		11,536	0	-57.3	3.3	0	50	240	7	13,362	0	-55.0	7.0	6	0	240	8	15,945	0	-55.4	4.7	0	70	235	9	20,378	9	-54.5		9	80	255	10	23,650	11	-54.8		11	80	255	11
TURKEY																																									
SAMSUN	2	1,014		9.5	3.8					1,450	0	2.7	1.8	0	69	230	4	3,001	0	-5.6	7.4	0	73	240	6	5,563	0	-21.8	7.6	0	73	240	9	9,121	0	-47.9		0	73	250	12
		11,739	1	-53.2		1	79	250	12	13,602	2	-50.9		2	78	250	11	16,256	7	-50.1		7	80	260	10	20,808	17	-47.5		18	79	250	8	24,169	19	-45.8		20	73	230	7
ISTANBUL/GOZTEPE	2	1,012		9.4	6.9					1,432	0	0.5	7.0	1	50	220	4	2,963	1	-8.2	8.3	2	58	245	7	5,504	1	-23.6	9.8	1	64	225	9	9,022	1	-50.3		1	63	240	12
		11,623	1	-54.5		1	76	240	13	13,475	3	-53.1		4	81	240	1	16,082	5	-54.2		5	79	250	11	20,531	6	-53.7		9	90	225	8	23,812	9	-53.9		9	44	220	4
IZMIR	2	1,007		13.5	7.4					1,434	0	2.1	4.0	0	77	260	3	2,974	0	-6.8	5.6	0	86	290	6	5,521	0	-23.0	7.0	0	90	280	11	9,054	0	-48.9		0	93	290	19
		11,667	0	-54.0		0	93	290	25	13,517	0	-53.6		0	96	280	22	16,108	0	-56.3		0	96	280	19	20,523	4	-55.2		5	85	260	8	23,789	7	-54.3		9	85	170	3
ANKARA/CENTRAL	2	909		10.0	10.1					1,459	0	4.6	7.0	0	66	240	4	3,006	0	-7.1	4.4	0	81	250	9	5,550	0	-23.5	7.8	0	87	260	14	9,077	0	-50.0		0	87	265	21
		11,674	0	-55.2		0	87	270	21	13,520	0	-53.5		0	86	275	19	16,121	2	-55.0		2	85	270	17	20,543	8	-54.5		8	84	260	11	23,839	11	-52.9		11	80	255	8
ISPARTA	2	898		9.0	8.2					1,449	0	5.2	6.5	0	57	166	4	3,000	0	-5.7	7.1	0	67	225	8	5,554	0	-23.1	7.2	0	76	250	13	9,087	0	-49.2		0	80	252	20
		11,695	0	-55.2		0	85	260	22	13,536	0	-54.4		0	92	260	24	16,115	0	-57.0		0	83	262	19	20,504	1	-56.2		1	62	258	10	23,754	4	-54.7		4	50	256	7
DIYARBAKIR	2	936		12.5	8.3					1,460	10	6.1	4.6	10	49	190	3	3,021	10	-4.2	4.5	10	61	215	6	5,591	10	-20.8	8.6	10	69	225	9	9,168	11	-46.0		11	81	240	16
		11,817	11	-51.6		11	90	245	22	13,695	12	-48.7		12	92	250	21	16,369	13	-48.3		13	90	250	18	20,984	23	-40.1		23	90	265	11	24,525	26	-34.1		26	87	270	8
USSR																																									
MURMANSK		1,012		-6.6	3.6					1,415	0	-11.7	5.0	0	24	304	3	2,879	0	-19.6	7.5	0	31	297	4	5,308	0	-34.2	6.8	0	24	306	5	8,714	0	-54.6	5.5	0	24	308	7
		11,290	0	-56.0	6.4	0	36	288	7	13,122	0	-55.6	7.3	0	48	276	7	15,700	0	-56.4	8.2	0	48	270	7	20,061	1	-58.6	9.1	1	27	266	5	23,343	4	-54.6	10.1	4	8	181	2
ARKHANGELSK		1,021		-6.0	3.0					1,427	0	-11.6	4.1	0	34	288	3	2,896	0	-18.8	5.9	0	46	233	6	5,326	0	-34.7	5.8	0	46	240	8	8,741	0	-53.0	4.7	0	45	247	11
		11,323	0	-56.5	5.0	0	51	247	11	13,146	0	-55.0	5.4	0	51	251	10	15,726	0	-56.3	6.1	0	55	246	11	20,136	0	-58.0	7.1	0	44	243	8	23,366	2	-54.6	7.7	4	39	225	7
LENINGRAD /TOWN/VILLE/		1,013		-3.0	3.8					1,442	0	-8.9	5.1	0	31	219	3	2,926	0	-16.5	7.7	0	37	242	4	5,380	0	-32.1	6.6	0	43	245	7	8,821	0	-52.7	5.1	0	42	241	10
		11,405	0	-56.8	5.8	0	61	250	10	13,232	0	-55.8	6.7	0	67	252	9	15,818	0	-56.5	7.6	0	69	253	9	20,187	1	-58.8	8.7	2	82	250	12	23,343	3	-58.2	10.3	3	79	244	12
KAUNAS		1,009		9.0	4.7					1,445	0	-7.3	4.7	0	24	161	2	2,943	0	-13.3	9.8	0	6	203	1	5,430	0	-28.7	8.7	1	23	271	3	8,904	0	-52.2	6.5	2	26	261	4
		11,485	0	-56.5	6.4	3	26	252	5	13,315	0	-54.9	6.9	2	30	240	5	15,905	0	-54.5	7.3	2	39	241	7	20,311	0	-56.4	7.8	5	43	240	8	23,544	5	-57.6	8.5	8	51	261	9
MINSK		992		-1.3	4.1					1,448	0	-8.1	4.3	0	18	164	2	2,946	0	-13.1	7.9	0	31	210	3	5,435	0	-28.3	8.0	0	37	243	6	8,901	0	-52.7	5.6	0	43	251	8
		11,467	0	-57.1	6.0	0	54	250	8	13,295	0	-55.4	6.8	0	67	256	8	15,875	0	-56.2	7.7	0	73	258	9	20,257	0	-57.6	8.8	0	76	258	13	23,493	0	-57.8	9.0	0	81	257	18
VOLOGDA		1,007		-4.3	4.7					1,457	0	-8.6	6.3	0	48	188	5	2,944	0	-15.4	8.6	0	60	204	7	5,414	0	-30.5	7.1	0	63	207	10	8,872	0	-51.8	5.6	0	67	207	14
		11,435	0	-57.7	5.6	0	67	213	12	13,262	0	-55.4	6.2	1	70	208	11	15,848	0	-55.9	6.9	2	70	210	10	20,271	0	-57.4	8.0	4	68	212	10	23,518	2	-55.3	8.6	9	54	198	7
MOSKVA		1,000		-2.6	3.2					1,468	0	-7.8	5.0	0	52	196	6	2,961	0	-14.5	8.9	1	57	212	7	5,436	0	-30.4	7.6	0	63	222	9	8,907	0	-52.9	5.7	0	70	233	13
		11,469	0	-58.4	6.1	0	72	241	11	13,288	0	-56.2	7.3	1	77	243	10	15,871	2	-56.0	8.2	2	84	244	11	20,288	5	-56.8	9.6	6	80	252	14	23,511	8	-56.6	10.1	8	81	250	17
KAZAN		1,015		-3.7	4.3					1,516	5	-6.1	9.0	5	44	210	4	3,021	5	-12.1	11.6	5	69	221	7	5,521	5	-27.2	10.2	7	58	229	7	9,010	5	-52.0	7.1	9	39	243	6
		11,574	5	-60.9	6.3	9	48	268	6	13,378	6	-58.3	6.8	9	64	274	7	15,946	7	-57.0	6.9	9	81	289	8	20,328	10	-58.7	7.5	9	82	294	10	23,583	14	-57.0	8.1	9	85	286	14
SARATOV		1,011		-4.8	3.8					1,529	12	-5.4	10.2	9	68	136	8	3,039	12	-10.7	13.6	9	64	147	7	5,545	12	-26.8	12.1	9	49	156	6	9,040	12	-52.1	8.7	9	14	161	2
		11,593	12	-61.0	7.9	9	39	257	4	13,394	12	-57.9	8.3	9	69	272	7	15,946	12	-57.5	8.7	9	81	270	9	20,328	12	-57.3	9.2	9	86	263	16	23,573	12	-52.0	9.9	9	92	254	20
LVOV		978		0.2	4.3					1,437	0	-7.0	4.1	0	27	106	2	2,947	0	-11.2	9.3	0		59	**	5,458	0	-26.2	8.0	0	17	252	2	8,955	0	-52.0	6.0	0	27	258	5
		11,527	0	-57.4	5.9	1	47	252	7	13,356	0	-55.0	6.4	1	59	248	8	15,946	0	-55.0	7.0	1	73	258	9	20,407	1	-54.1	8.1	3	83	254	11	23,679	2	-54.1	8.6	4	84	259	15
KIEV		998		1.4	3.5					1,442	7	-3.7	3.9	8	38	156	4	2,959	7	-9.5	7.1	7	39	193	4	5,483	7	-25.4	6.9	7	39	218	5	8,983	7	-52.2	4.8	7	52	229	10
		11,544	7	-58.2	5.2	7	68	234	10	13,370	8	-55.4	6.5	8	79	238	9	15,959	8	-55.5	7.8	8	88	242	10	20,393	9	-55.0	9.1	9	95	241	15	23,623	11	-56.4	9.4	9	90	236	19
HAR KOY		1,002		0.2	2.8					1,457	0	-4.2	5.5	0	58	138	6	2,973	0	-10.0	10.2	0	34	162	4	5,487	0	-26.4	8.3	0	34	210	5	8,986	0	-51.9	5.7	0	52	224	10
		11,556	0	-57.0	6.1	0	60	235	9	13,383	0	-54.9	7.1	0	77	244	10	15,968	0	-55.0	8.3	0	88	248	11	20,381	3	-55.7	8.9	3	86	255	14	23,621	5	-55.2	9.7	6	85	257	18

UPPER AIR DATA

MARCH 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
EUROPE		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
USSR																																											
ODESSA		1,011		2.4	3.0					1,430	1	-3.0	2.7	1	10	142	1	2,954	1	-9.9	5.1	1	20	211	2	5,473	2	-24.9	6.7	2	38	245	5	8,993	4	-50.9	5.1	4	41	255	8
		11,562	4	-57.9	5.4	4	67	252	11	13,390	5	-55.2	6.8	5	83	254	12	15,976	5	-55.5	8.0	5	83	255	11	20,396	5	-55.2	9.5	5	88	258	11	23,647	5	-55.6	9.8	5	73	259	11
ROSTOV-NA-DONU		1,009		3.1	6.2					1,450	0	-2.7	7.1	0	48	144	5	2,969	0	-10.1	9.0	0	36	197	4	5,482	0	-26.8	8.1	0	42	218	6	8,958	0	-54.0	6.0	0	36	229	8
		11,516	0	-56.7	6.7	0	67	244	10	13,349	0	-55.0	8.2	0	6	249	10	15,934	0	-55.5	9.4	0	88	252	10	20,352	0	-55.9	10.6	0	79	260	9	23,618	1	-55.7	11.8	2	74	264	10
TBILISI		961		6.7	5.7					1,480	4	-0.1	4.7	5	14	185	1	3,018	4	-8.0	5.6	4	73	264	7	5,542	4	-25.7	7.4	4	83	265	13	9,042	4	-53.6	6.8	5	70	271	16
		11,619	6	-54.1	7.9	6	85	267	16	13,471	7	-53.8	8.8	8	83	258	13	16,095	9	-55.4	9.3	9	86	254	11	20,533	11	-55.5	10.1	9	67	252	6	23,779	13	-55.8	10.3	9	29	241	2
AFRICA																																											
ALGERIA																																											
ALGER/DAR EL BEIDA	3	1,013		11.8	5.1					1,466	0	3.0	6.3	0	59	260	5	2,943	0	-1.8	9.2	0	79	280	10	5,566	0	-22.9	12.4	0	84	280	14	9,114	0	-48.3		0	87	270	24
		11,725	0	-55.6		4	93	290	27	13,557	7	-55.8		9	95	270	25																								
ELBAYADH										1,498	0	6.9	12.4	0	3	290	3	3,069	0	-3.4	12.5	0	7	250	9	5,643	0	-20.6	1.2	0	9	270	17	9,223	0	-45.4		0	9	270	32
		11,839	1	-56.6		1	10	250	41	13,660	2	-57.7		3	7	260	36	16,184	9	-62.9		9	10	260	27																
BECHAR	2	922		17.2	23.2					1,497	0	9.3	18.2	2	10	240	1	3,074	0	-0.7	19.7	3	78	260	9	5,666	0	-18.8	19.3	7	88	280	16	9,271	0	-44.7					
		11,904	0	-56.5						13,711	0	-59.4														20,487	1	-59.6						23,703	1	-56.1					
TAMANRASSET	2	864		23.5	31.9					1,513	1	21.8	23.5	1	21	280	6	3,149	1	8.0	17.2	1	13	290	12	5,837	1	-10.3	11.9	2	11	240	24	9,591	1	-33.7	4.7	7	11	260	47
		12,316	1	-53.5						14,111	1	-65.6						16,520	2	-73.5						20,597	3	-64.5						23,786	6	-53.9					
LIBYAN ARAB REP																																											
TRIPOLI INTL. AP	3	1,005		15.6	5.5					1,481	0	8.0						3,050	0	-2.2						5,623	0	-19.2						9,231	0	-45.5					
		11,844	1	-57.5						13,684	1	-58.5						16,246	2	-60.7																					
SEBHA	2	965		22.2	27.2					1,509	0	12.9	25.4	0	47	54	5	3,106	0	3.4	22.7	4	82	235	12	5,741	0	-14.2	22.1	9	98	233	23	9,423	0	-40.0					
		12,103	4	-55.4																																					
MAURITANIA																																											
NOUADHIBOU	2	1,015		18.8	5.9						5	14.4	21.8	5	44	280	3	3,137	5	7.8	24.6	9	86	250	11	5,820	5	-9.5	18.7	9	87	240	20	9,570	5	-34.9	14.1	9	99	270	37
		12,300	5	-53.5		9	94	270	47	14,100	5	-64.7		9	99	240	43	16,520	5	-73.5		9	92	250	25	20,650	9	-63.1		9	99	250	3								
SENEGAL																																											
DAKAR/YOFF	3	1,009		20.1	30.8					1,590	0	21.5		0	37	298	2	3,168	0	9.9		0	72	217	5	5,873	0	-7.1		0	86	244	9	9,673	0	-32.1		2	19	243	22
		12,406	0	-54.1		4	91	247	25	14,190	0	-67.9		7	92	255	25	16,562	1	-77.2		9	86	244	13	20,605															
NIGER																																											
NIAMEY-AERO	2	925								1,518	1	25.1		7	51	70	5	3,175	1	11.2	18.3	1	32	80	3	5,845	1	-6.0	27.1	1	22	250	2	9,703	2	-30.7	18.2		89	260	17
		12,442	6	-53.4		4	87	270	25	14,231	4	-67.6		6	92	260	27	16,590	6	-79.2		9	86	260	18																
KENYA																																											
NAIROBI/DAGORETTI	1	821		16.2	4.0													3,132	2	8.8	4.7	2	99	60	9	5,840	2	-5.9	20.8	2	94	100	8	9,653	2	-32.3	20.7	2	61	45	7
		12,383	2	-53.7		2	30	275	5	14,176	2	-66.9		2	79	285	8	16,539	3	-80.5		4	25	330	3	20,534	4	-71.9		7	27	275	3	23,620	10	-65.1		9	97	95	26
ETHIOPIA																																											
ASMARA	2	771		24.5	22.4													3,161	14	14.4	11.6	14	40	195	5	5,883	14	8.0	7.7	14	88	265	8	9,662	14	-34.3	11.7	14	88	290	17
		12,368	14	-55.3	9.4	15	96	285	25	14,151	14	-67.2		14	91	275	23	16,526	15	-77.9		15	92	265	24	20,513	27	-68.2		27	24	310	21								
ADDIS ABABA	2	768		22.8	14.1													3,165	0	14.0	12.2	11	80	110	5	5,794	0	-5.4	27.2	17	75	65	8	9,717	0	-31.5	27.6	24	58	25	12
		12,451	0	-53.1	16.9	24	50	345	16	14,255	4	-66.1		26	36	270	14	16,634	10	-78.1		29	87	310	15	20,678	15	-67.4						23,769	18	-58.0					
MADAGASCAR																																											
ANTANANARIVO/IVATO		876		23.0	5.0					1,531	2	17.9	4.0	2	82	9	9	3,161	2	8.7	5.4	2	67	7	7	5,870	2	-6.3	6.7	2	33	35	3	9,682	2	-31.5	8.0	2	64	31	12
		12,416	4	-54.1		4	69	30	18	14,199	4	-68.0		4	67	29	18	16,557	7	-78.7		19	45	30	7																
SEYCHELLES																																											
SEYCHELLES INTERNATIONAL AP	2	1,009		29.2	5.1					1,502	0	17.9	4.6	5	40	277	1	3,140	0	9.1	6.3	5	19	159	1	5,851	0	-5.5	9.6	5	81	93	5	9,670	0	-31.4	15.6	6	64	95	5
		12,409	0	-53.1		7	31	135	3	14,206	0	-66.0		10	55	254	5	16,566	0	-81.7		12	50	102	4	20,547	5	-70.4		20	73	255	4	23,649	7	-60.3		24	62	87	15
OCEAN ISLANDS																																											
ASCENSION IS WIDE AWAKE FLD	2	1,003		26.4	4.6					1,524	12	16.8	4.7					3,163	12	9.2	9.0					5,874	12	-5.9	13.5					9,687	12	-32.0					
		12,419	12	-53.6						14,209	14	-68.0						16,574	15	-78.8						20,613	15	-68.1						23,758	15	-58.9					
ILE NOUVELLE-AMSTERDAM	2	1,015		17.0	4.2					1,535	0	8.7	6.6	0	71	289	7	3,132	0	4.3	15.6	1	78	290	10	5,797	0	-10.4	14.9	2	81	286	13	9,520	0	-37.9	9.6	4	82	286	17
		12,196	0	-56.3		6	84	283	17	13,991	1	-61.9		7	87	287	18	16,472	2	-66.1		7	92	289	17	20,735	3	-58.3						23,989	18	-51.6					
PORT-AUX-FRANCAIS/KERGUELEN	2	999		8.1	6.9					1,340	0	0.5	6.1	0	84	271	15	2,883	0	-4.9	11.4	0	84	268	20	5,457	0	-19.7	10.8	0	84	267	27	9,067	0	-42.9	8.3	0	82	276	39
		11,723	0	-53.7		0	81	273	35	13,563	0	-55.3		2	86	270	29	16,148	4	-55.7		6	90	275	19	20,573	11	-52.4						23,900	20	-49.6					
SOUTH AFRICA																																											
J. G. STRIJDOM	1	831		19.5	6.5					1,516				8	28	242	1	3,173	0	11.8	7.7	0	69	96	5	5,890	0	-6.3	11.8	0	24	50	1	9,689	0	-32.5	18.7	0	64	308	8
		12,412	0	-53.4		0	78	303	14	14,209	0	-66.7		0	80	299	14	16,589	6	-77.2		9	45	295	4																
UPINGTON	1	919		24.1	14.3					1,518	0	22.3	17.3	0	25	39	3	3,172	0	10.8	14.2	0	42	273	6	5,876	0	-7.5	20.3	0	62	282	5	9,652	0	-34.5	19.0	0	71	284	12
		12,356	0	-55.0		0	83	286	14	14,147	0	-65.8		0	81	281	17	16,555	3	-73.5		8	77	289	9																
PRETORIA/IRENE	1	851		16.7	4.6					1,536	10	16.0	3.9	1	55	84	1	3,178	0	9.2	5.8	0	20	87	1	5,881	0	-6.9	13.9	0	40	245	2	9,669	0	-33.3	11.0	0	83	259	10
		12,381	1	-54.7		1	88	256	17	14,168	1	-67.2		3	92	255	17	16,548	8	-75.7		9	78	248	6																
BLOEMFONTEIN/J.B.M. HERTZOG	1	867		17.4	7.0					1,527	0	18.4	10.5	0	59	42	2	3,172	0	9.8	13.1	0	50	288	3	5,870	0	-7.9	16.2	0	65	267	6	9,640	0	-34.9	14.6	0	74	270	14
		12,338	0	-55.5		0	83	268	23	14,125	0	-65.8		0	87	263	22	16,536	1	-72.5		2	69	269	9																
ALEXANDER BAY	1	1,010		17.1	1.9					1,509	3	20.6	21.0	3	52	133	3	3,157	3	11.1	21.2	3	68	307	5	5,867	3	-7.0	25.3	3	49	285	5	9,636	3	-35.2	25.1	3	65	275	10
		12,333	3	-55.2		3	72	274	16	14,123	3	-65.6		3	73	273	16	16,532	5	-73.2		6	79	290	15																
CAPE TOWN /D.F. MALAN/	1	1,010		16.7	2.7					1,517	0	17.0	20.5	0	17	164	1	3,146	0	8.6	31.4	0	67	285	6	5,837	0	-8.6	27.8	0	78	276	12	9,581	0	-36.8	22.4	0	78	273	19
		12,266	0	-55.6		0	83	269	23	14,061	0	-63.9		0	88	269	22	16,507	1	-68.6		1	92	274	16	20,720	7	-60.9		9	14	173	1								
PORT ELIZABETH	1	1,009		18.3	1.6					1,532	0	15.4	18.0	0	27	46	2	3,154	0	7.6	23.9	0	75	272	6	5,837	0	-8.9	28.7	0	81	270	10	9,583	0	-36.5	22.9	0	82	270	14
		12,268	0	-55.9		0	90	275	21	14,062	0	-63.7		0	89	270	20	16,529	9	-68.6		9	84																		

UPPER AIR DATA

MARCH 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
SOUTH AFRICA																																									
DURBAN/LOUIS BOTHA/	1	1,014		21.9	1.0					1,535	5	16.1	9.2	5	26	2	1	3,169	5	9.0	14.0	5	31	265	2	5,872	5	-7.2	18.4	5	24	241	2	9,644	5	-53.0	18.9	5	57	264	9
		12,347	5	-55.1		5	62	260	13	14,138	5	-65.2		5	73	261	13	16,556	6	-71.7		6	72	272	8																
GOUGH ISLAND	1	1,010		12.5	2.5					1,481	0	6.7	13.9	0	81	284	16	3,060	0	1.2	20.8	0	86	288	10	5,698	0	-12.6	22.8	0	86	287	25	9,402	0	-35.8	21.2	0	85	287	34
		12,071	1	-56.3		1	89	285	39	13,867	1	-61.4		1	92	282	35	16,366	2	-63.3		2	91	279	26	20,672	4	-56.8		7	87	280	12								
MARION ISLAND	1	1,007		7.3	2.4					1,419	0	1.7	9.8	0	85	268	14	2,957	0	-4.3	19.6	0	90	261	20	5,539	0	-18.5	20.1	0	87	264	29	9,176	0	-41.6	18.9	0	80	260	37
		11,838	1	-54.1		1	86	255	42	13,661	1	-56.3		1	87	255	38																								
ASIA																																									
USSR-WESTERN																																									
DRUJNAYA/OSTROV HEJSA/		1,016		-25.4	2.4					1,332	0	-20.2	3.6	0	37	314	4	2,758	0	-26.1	4.5	0	49	313	6	5,126	0	-39.8	4.4	0	49	312	8	8,482	0	-54.6	3.8	0	62	313	12
		11,081	0	-53.1	4.4	0	62	303	9	12,937	0	-52.6	5.0	0	48	296	6	15,572	0	-52.7	5.8	1	17	272	2	20,113	2	-49.4	7.2	3	73	164	8	23,490	3	-45.7	8.7	4	75	156	13
MYS CELJUSKIN		1,016		-27.0	1.7					1,320	0	-21.7	3.2	0	18	275	2	2,738	0	-26.4	4.3	0	30	290	3	5,098	0	-40.8	4.2	0	24	301	3	8,440	0	-53.6	4.5	0	30	313	14
		11,066	0	-50.6	6.3	0	30	282	3	12,943	0	-49.7	7.3	0	30	251	3	15,596	0	-49.5	8.6	0	42	209	5	20,153	0	-46.1	10.1	1	68	194	11	23,584	1	-41.8	11.9	1	79	193	16
OSTROV DIKSON		1,014		-21.5	2.7					1,363	1	-18.3	4.0	1	51	289	5	2,794	1	-24.9	4.6	1	59	296	7	5,166	1	-39.5	4.8	1	59	307	9	8,520	1	-54.0	5.0	1	64	310	11
		11,129	1	-52.1	6.8	1	75	309	10	12,992	1	-51.8	7.9	1	68	306	9	15,617	1	-52.2	9.0	1	50	288	6	20,106	1	-49.9	10.7	1	56	220	7	23,507	2	-44.6		2	67	192	11
MYS KAMENNYJ		1,021		-16.4	2.4					1,403	0	-13.7	3.8	9	60	313	4	2,862	0	-20.7	4.8	9	63	295	5	5,279	0	-35.1	4.1	9	63	281	8	8,680	0	-54.0	3.7	9	64	304	8
		11,273	0	-53.6	4.2					13,128	0	-52.6	4.8					15,751	2	-52.5	5.4					20,234	2	-51.1	6.4	9	38	126	4	23,645	4	-47.3	7.7	9	63	106	9
NAR JAN-MAR		1,019		-6.7	2.6					1,414	0	-12.2	4.1	0	55	273	7	2,875	0	-19.5	5.9	0	62	272	9	5,305	0	-34.5	6.0	0	54	270	12	8,721	0	-52.9	5.3	0	62	270	16
		11,316	0	-54.5	6.0	0	67	270	13	13,162	0	-54.2	6.5	0	67	268	12	15,754	0	-55.5	7.0	0	67	267	12	20,174	0	-56.0	8.2	0	48	251	9	23,456	0	-50.7	9.3	1	44	220	9
SALEHARD		1,021		-10.8	2.8					1,431	0	-11.3	3.6	1	69	285	8	2,900	0	-18.4	4.3	1	68	279	10	5,333	0	-33.5	4.7	0	63	275	14	8,749	0	-54.0	4.3	0	74	280	22
		11,327	0	-54.5	5.4	0	81	281	17	13,166	0	-54.3	6.4	0	81	280	14	15,758	2	-55.0	7.0	2	78	275	12	20,231	3	-52.2	8.3	3	58	252	10	23,571	5	-47.2	9.9	5	59	224	12
HATANGA		1,018		-26.5	3.3					1,348	0	-20.5	4.5	0	63	278	5	2,772	0	-25.9	4.9	1	57	284	6	5,141	0	-39.9	4.6	1	50	292	7	8,503	0	-54.0	4.4	1	55	302	7
		11,126	0	-50.7	5.3	2	55	295	5	13,002	0	-50.0	6.3	2	37	281	4	15,658	0	-49.1	7.2	1	32	231	4	20,251	2	-45.9	9.7	2	51	197	8	23,695	4	-42.6	12.3	4	52	180	8
TURUHANSK		1,019		-15.7	3.8					1,415	0	-15.3	4.7	0	51	284	4	2,866	0	-21.9	5.9	0	60	299	6	5,271	0	-36.3	5.5	0	68	306	11	8,661	0	-55.0	4.2	0	79	313	16
		11,235	0	-54.6	5.7	0	82	317	13	13,071	1	-53.5	7.0	1	79	318	11	15,682	1	-52.9	8.4	1	62	313	8	20,182	1	-49.1	10.8	1	35	262	5	23,571	2	-44.7	13.1	3	41	215	6
SYKTYVKAR		1,011		-4.0	5.6					1,480	0	-9.0	6.3	0	55	252	7	2,964	0	-16.3	8.3	0	62	255	10	5,421	0	-31.1	7.2	0	68	254	16	8,882	0	-52.4	5.5	0	67	255	19
		11,463	0	-58.0	6.0	0	72	262	16	13,286	0	-55.6	6.8	0	70	264	13	15,871	0	-56.3	7.6	0	70	262	12	20,283	0	-57.4	8.6	0	68	256	13	23,528	1	-53.4	9.5	1	57	234	12
HANTY-MANSIJSK		1,020		-4.7	4.7					1,474	0	-8.0	8.4	0	48	284	5	2,963	0	-14.7	8.6	0	60	288	8	5,434	0	-29.7	6.4	0	72	290	14	8,886	0	-53.9	4.8	0	73	296	19
		11,443	0	-57.9	5.4	0	78	296	16	13,263	0	-55.6	6.7	0	78	295	14	15,848	0	-55.4	8.0	0	81	294	13	20,283	0	-53.8	9.8	0	58	273	9	23,593	0	-49.8	12.5	0	48	231	9
TURA		1,002		-22.3	3.2					1,425	2	-18.3	2.8	2	33	298	2	2,862	2	-24.5	4.2	2	44	331	3	5,243	2	-38.7	4.4	2	56	335	6	8,596	2	-56.7	3.7	2	60	331	8
		11,185	2	-53.6	5.3	2	67	342	9	13,038	2	-52.1	6.7	2	57	342	6	15,674	2	-50.4	8.3	2	40	344	4	20,229	2	-46.6	10.9	3	9	224	1	23,636	3	-45.1	13.0	4	21	149	2
SVERDLOVSK		992		-2.6	5.2					1,502	0	-6.9	7.9	0	66	303	5	2,997	0	-12.9	9.6	0	54	296	6	5,483	0	-29.0	9.4	0	60	295	9	8,938	0	-53.9	6.6	0	54	296	11
		11,483	0	-59.3	6.5	0	64	288	10	13,293	0	-56.1	7.7	0	64	285	9	15,866	0	-56.3	8.0	0	76	279	10	20,272	0	-55.8	9.7	0	78	270	11	23,566	0	-50.2	11.9	0	68	248	12
OMSK		1,016		-6.1	3.4					1,491	0	-6.7	9.0	2	4	315	2	2,993	0	-12.5	12.7	0	42	316	4	5,485	0	-28.3	8.8	0	43	319	7	8,951	0	-53.3	5.8	0	49	312	11
		11,509	0	-58.1	6.3	0	62	305	11	13,319	0	-55.6	7.5	0	74	297	12	15,900	0	-55.4	8.8	0	79	294	12	20,328	0	-53.6	10.3	0	76	287	11	23,641	0	-48.4	12.3	0	62	268	8
KOLPASEV		1,017		-7.5	4.4					1,477	0	-10.3	6.6	0	57	309	5	2,957	0	-16.4	8.3	0	63	308	7	5,410	1	-32.0	5.6	1	75	310	12	8,837	1	-55.9	4.1	1	81	315	19
		11,389	1	-57.9	4.7	1	85	311	17	13,213	1	-56.0	6.0	1	84	312	15	15,801	2	-54.8	7.2	2	88	309	14	20,267	2	-51.1	9.4	2	64	300	8	23,626	2	-48.1	11.7	2	31	292	3
KRASNOJARSK		1,000		-9.5	3.6					1,463	1	-12.4	4.2	2	66	284	6	2,939	1	-18.5	5.2	1	81	304	9	5,366	2	-32.6	4.6	2	86	313	15	8,785	2	-55.4	3.5	2	87	313	20
		11,350	2	-57.0	4.3	2	90	317	19	13,172	2	-55.5	5.2	2	90	314	17	15,771	2	-54.1	6.7	2	90	317	14	20,292	11	-49.4	9.4	9	56	315	6	23,673	13	-48.0	11.1	9	43	9	3
KIRENSK		991		-17.6	3.7					1,426	0	-16.7	3.9	1	50	279	3	2,863	0	-25.1	4.6	1	74	306	5	5,239	0	-39.8	4.6	1	54	319	6	8,583	1	-57.4	4.2	1	64	337	9
		11,158	1	-54.2	5.9	1	76	344	9	13,014	2	-52.0	7.1	2	61	342	7	15,667	2	-49.3	8.7	3	60	354	5	20,257	6	-46.8	10.9	7	16	43	1	23,656	9	-45.1	13.5	9	45	107	3
ORENBURG		1,015		-3.9	3.4					1,516	0	-5.4	8.5	0	36	97	3	3,024	0	-11.5	11.4	0	18	99	2	5,527	0	-27.8	9.1	0	6	230	1	9,001	0	-54.2	6.2	0	18	247	3
		11,555	0	-59.4	6.1	0	29	265	4	13,372	0	-56.7	7.1	0	57	269	7	15,950	0	-56.4	8.2	0	74	267	9	20,382	1	-55.8	9.0	1	81	269	11	23,662	1	-53.3		1	75	268	11
KUSTANAJ		1,008		-5.3	2.4					1,512	0	-5.9	7.3	0	43	1	3	3,017	0	-11.2	11.5	0	31	344	3	5,521	0	-26.3	9.6	0	24	323	4	9,023	0	-51.7	6.2	0	31	312	6
		11,584	0	-59.4	6.1	0	37	300	7	13,393	0	-56.3	7.1	0	67	283	9	15,965	0	-55.9	8.3	0	73	276	9	20,363	0	-55.8	9.4	0	81	274	11	23,633	0	-52.0	11.3	0	66	264	9
KARAGANDA		959		-5.1	3.4					1,494	0	-5.2	8.4	0	5	189	1	3,003	0	-11.0	10.9	0	18	263	2	5,508	0	-25.9	9.3	0	37	268	6	9,015	0	-51.4	6.6	0	42	274	10
		11,595	0	-57.7	6.4	0	66	274	13	13,420	0	-55.4	7.3	0	82	277	14	15,996	0	-56.0	8.2	1	89	279	14	20,399	3	-54.7	9.7	3	80	286	11	23,673	5	-51.5	10.5	5	64	293	8
GUREV		1,027		0.9	5.8					1,489	0	-2.0	8.7	0	63	110	6	3,010	0	-8.5	10.7	0	40	117	4	5,542	0	-23.9	9.8	0	17	131	2	9,088	0	-49.4	7.0	0	23	262	3
		11,678	0	-56.4	6.8	0	55	267	7	13,503	0	-54.3	7.7	0	79	261	10	16,085	0	-55.2	8.5	0	85	259	10	20,555	1	-54.9	9.7	1	83	260	9	23,823	2	-53.8	10.8	2	69	262	8
ASHABAD		982		8.4	5.7					1,483	0	2.8	4.7	0	21	166	1	3,042	0	-4.6	6.9	0	81	258	9	5,615	0	-20.4	8.5	0	85	261	18	9,196	0	-47.9	7.4	0	79	258	29
		11,787	0	-59.1	7.2	0	89	259	30	13,605	0	-57.1	8.0	0	91	261	25	16,163	1	-60.5	8.8	1	90	259	19	20,478	1	-59.0	10.1	1	62	268	6	23,693	3	-56.6	12.1	6	9	117	1
TASKENT		962		8.2	5.2					1,503	0	3.7	6.7	1	22	195	1	3,052	0	-5.7	6.6	0	88	242	11	5,603	0	-22.2	7.6	0	91	242	18	9,165	0	-47.8	5.8	0	88	249	29
		11,757	0	-59.3	5.6	0	88	256	30	13,566	0	-56.4	6.3	0	92	261	25	16,133	0	-58.3	7.1	0	91	264	20	20,485	0	-57.9	8.0	0	71	273	9	23,727	0	-55.3	8.9	0	32	345	3
ALMA-ATA		922		3.0	4.0					1,508	0	1.3	4.6	0	24	279	1	3,055	0	-5.4	9.6	0	67	250	4	5,611	0	-22.9	7.1	0	90	267	15	9,157	0	-49.1	5.0	8	89	259	25
		11,742	2	-57.9	4.6	9	96	266	26	13,569	3	-55.7	4.9					16,136	7	-55.9	5.3					20,585	14	-54.3	6.2					23,859	17	-51.6	7.7				
USSR-EASTERN																																									
MYS SMIDTA		1,025		-25.1	1.8					1,395	0	-15.6	5.4	0	37	54	3	2,847	0	-21.2	6.5	0	31	43	3	5,253	0	-36.0	5.3					8,648	0	-53.5	4.9	0	31	240	5
		11,269	0	-49.4	6.8	0	54	204	5	13,163	0	-47.1	8.3	0	62	186	5	15,858	0	-45.7	9.9	0	86	180	5	20,474	0	-53.1	16.0	6	9	169	4	23,883	1	-44.8	12.8	1	44	134	13
ANADYR		1,019		-19.5	2.8					1,367	1	-15.4	7.5	2	70	63	6	2,820	1	-20.8	9.1	1	60	68	6	5,238	1	-35.3	6.7	1	33	93	4	8,659	1	-53.3	5.8	1	17	190	3
		11,269	1	-50.8	7.9	1	56	159	5	13,148	1	-48.2	9.6	1	74	152	6	15,834	1	-46.0	11.7	1	89	147	7	20,446	1	-46.4	14.1	1	86	141	6	23,862	3	-45.8	14.6	3	89	120	7
KORF		1,012		-11.6	5.1					1,338	0	-13.4	6.3	0	61	87	5	2,798	0	-21.3	8.0	0	55	73	5	5,212	0	-35.6	5.9	0	54	91	6	8,615	0	-54.2	4.8	0	37	125	6
		11,208	0	-52.2	5.6	0	62	138	7	13,083	0	-49.1	6.4	0	80	136	8	15,759	0	-46.4	7.5	0	79	137	9	20,383	0	-45.0	9.7	0	85	128	9	23,793	0	-45.1	0.9	0	82	122	8
PETROPAVLOVSK/KAMCATSKIJ		997		-4.8	5.9					1,316	0	-12.1	4.7	0	49	67	3	2,770	0	-20.6	6.7	0	42	54	3	5,191	0	-36.4	5.9	0	31	51	3	8,574	0	-56.2	4.6	0	12	107	2
		11,159	0	-53.1	6.0	0	30	150	3	13,019	0	-50.8	7.2	0	68	165	6	15,682	0	-47.0	9.0	0	68	156	7	20,298	0	-45.4	11.1	1	77	135	7	23,695	2	-46.6	12.0	2	88	121	9
OHOTSK		1,016		-13.6	6.2					1,369	0	-18.0	6.8	0	42	39	2	2,808	0	-24.7	7.3	0	12	152	1	5,184	0	-39.6	6.1	0	37	180	5	8,525	0	-57.4	5.4	0	43	167	7
		11,116	0	-52.4	7.4	0	55	144	6	12,990	0	-49.6	9.3	0	74	129	8	15,673	0	-45.8	11.6	0	80	121	9	20,306	0	-44.6	14.8	0	82	120	9	23,726	0	-45.3	16.5	0	91	115	11

UPPER AIR DATA

MARCH . 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-EASTERN																																									
JUZNO-SAHALINSK		1,010		-6.3	3.5					1,350	0	-15.0	4.3	0	34	349	3	2,793	0	-23.3	4.7	0	43	293	3	5,179	0	-38.6	4.5	0	30	234	3	8,538	0	-55.3	4.5	0	59	247	10
		11,133	0	-53.0	6.4	0	84	263	13	12,990	0	-52.1	7.5	0	84	263	14	15,629	0	-49.5	9.0	0	81	259	11	20,216	1	-45.6	12.3	1	44	200	4	23,601	1	-47.6	12.6	1	63	133	5
VLADIVOSTOK		1,006		-4.1	7.9					1,388	5	-11.9	6.0	5	57	315	6	2,845	5	-20.9	5.6	5	72	299	9	5,254	5	-36.3	5.9	5	85	290	15	8,647	5	-53.9	5.4	5	88	277	23
		11,246	5	-53.6	6.9	5	96	274	28	13,101	5	-52.8	7.9	5	96	270	27	15,715	6	-52.3	9.2	6	92	268	22	20,247	5	-48.2	11.3	5	70	268	7	23,615	6	-48.8	12.5	7	14	195	1
SEJMCAN		995		-25.0	4.1					1,372	0	-19.6	5.0	0	30	21	2	2,806	0	-23.2	7.4	0	24	153	2	5,201	0	-37.7	6.3	0	37	179	5	8,565	0	-56.9	5.0	0	49	171	9
		11,149	0	-52.2	7.2	0	68	154	8	13,016	0	-49.2	9.1	0	79	144	9	15,698	0	-46.1	11.7	0	84	137	10	20,329	0	-45.1	15.1	0	82	132	9	23,740	0	-45.1	16.6	0	89	117	9
ALDAN		936		-18.3	3.1					1,403	0	-19.6	3.0	0	59	302	5	2,826	0	-26.7	3.4	0	68	329	6	5,198	0	-39.7	3.2	0	40	326	4	8,534	0	-58.2	3.2	0	22	344	3
		11,109	1	-53.7	5.0	1	33	18	3	12,967	1	-50.4	6.3	1	45	44	4	15,637	1	-46.6	8.1	1	38	78	4	20,248	3	-45.5	10.4	3	62	100	5	23,658	4	-45.4	11.5	4	84	98	7
CITA		939		-14.3	5.8					1,429	0	-13.5	6.4	0	66	335	4	2,884	0	-23.4	4.8	0	78	338	6	5,269	0	-38.5	4.5	0	61	332	7	8,623	0	-56.9	3.9	0	48	324	9
		11,198	0	-54.3	5.5	0	72	328	11	13,050	0	-53.1	7.0	0	78	325	11	15,683	0	-50.1	8.8	1	64	335	8	20,256	0	-46.5	11.8	0	33	27	3	23,643	0	-46.6	13.2	1	55	81	4
BLAGOVESCENSK		1,001		-10.7	6.4					1,394	1	-15.3	6.4	1	59	346	5	2,836	1	-24.1	6.2	1	70	345	6	5,221	1	-39.0	5.3	1	59	325	7	8,561	1	-58.1	4.6	1	59	304	10
		11,120	1	-54.4	6.2	1	70	300	9	12,968	1	-52.2	8.0	1	63	297	8	15,608	1	-49.2	10.1	1	40	295	5	20,202	2	-45.8	13.6	2	19	67	2	23,594	2	-46.8		2	57	94	5
HABAROVSK		1,006		-10.4	3.9					1,376	0	-14.6	5.7	0	16	337	1	2,822	0	-23.9	4.7	0	39	339	3	5,213	0	-38.3	5.0	0	45	322	5	8,571	2	-56.6	4.8	2	46	313	8
		11,157	6	-53.4	7.0	6	58	292	9	13,010	9	-52.3	8.1	9	62	292	8	15,655	14	-48.8	10.1	9	45	291	5	20,238	21	-46.1	13.4												
HONG KONG																																									
KINGS PARK	1	1,009		16.5	2.8					1,520	0	13.0	3.5	0	86	224	6	3,136	0	6.0	6.4	0	97	261	12	5,820	0	-7.5	20.9	0	98	267	23	9,612	0	-32.6	14.8	0	98	265	35
		12,343	0	-53.3	13.5	0	98	259	39	14,137	0	-66.4	14.0	0	99	259	36	16,517	0	-77.2	14.4	0	99	272	22	20,526	1	-65.2	14.3	0	89	273	8	23,725	4	-55.8	20.1	1	70	264	5
REPUBLIC OF KOREA																																									
POHANG	3	1,020		4.3	8.6					1,456	0	-5.6	2.7	2	79	288	8	2,958	0	-16.8	21.5	2	92	283	16	5,461	0	-26.2	15.7	2	97	273	33	9,009	1	-47.9	14.3	3	99	268	8
		11,607	1	-55.5		7	98	269	13	13,435	1	-56.3		9	97	269	7	15,965		-58.4		9	99	270	44	20,320		-55.2		9	86	269	19	23,624		-48.9		9	72	272	9
JAPAN																																									
WAKKANAI	2	1,012		-3.4	4.8					1,364	0	-13.8	6.0	0	34	320	3	2,812	0	-23.0	9.1	0	62	293	5	5,199	0	-38.7		0	63	269	8	8,559	0	-54.9		0	67	258	15
		11,160	0	-52.6		0	92	265	19	13,018	0	-52.5		0	93	264	19	15,646	0	-50.4		0	91	260	16	20,218	6	-47.8		6	61	228	5	23,581	13	-48.1					
SAPPORO	2	1,011		-2.2	4.8					1,373	0	-12.4	4.5	0	48	300	5	2,829	0	-21.7	8.8	0	70	290	8	5,233	0	-36.5	10.9	0	81	272	16	8,615	0	-53.8		0	86	266	24
		11,227	0	-52.2		0	95	268	29	13,086	0	-52.8		0	96	265	28	15,703	0	-52.4		0	95	263	23	20,232	0	-48.7		3	75	242	8	23,584	5	-49.0		7	46	135	3
NEMURO	2	1,010		-3.6	3.6					1,363	0	-12.2	7.2	0	43	316	4	2,820	0	-15.0	76.0	5	9	287	7	5,225	0	-36.5	10.5	0	74	272	13	8,617	0	-53.5		0	80	259	23
		11,226	0	-51.9		0	96	264	28	13,087	0	-52.4		0	97	265	26	15,706	0	-52.0		0	96	262	24	20,240	2	-48.5		3	80	241	8	23,584	8	-48.9		9	41	168	3
AKITA	2	1,015		0.4	5.2					1,405	0	-9.7	6.1	0	79	273	9	2,877	0	-18.7	8.9	0	91	274	16	5,310	0	-33.8	10.8	0	93	274	25	8,747	0	-50.2		0	94	270	43
		11,370	0	-52.5		0	97	268	44	13,221	0	-54.4		0	98	266	42	15,810	0	-55.2		0	97	265	35	20,275	1	-51.3		3	91	255	11	23,598	5	-50.7					
SENDAI	2	1,011		1.2	6.3					1,414	0	-7.9	7.5	0	82	285	10	2,898	0	-16.3	11.4	0	89	278	17	5,354	0	-31.2	11.6	0	91	271	26	8,830	0	-49.0		0	96	267	51
		11,448	0	-53.9		1	98	268	53	13,292	0	-54.5		1	98	267	49	15,870	0	-56.3		1	97	267	38	20,294	1	-53.0		2	94	251	12	23,609	5	-50.9					
WAJIMA	2	1,077		1.6	3.3					1,430	0	-7.1	7.0	0	78	269	7	2,918	0	-15.9	9.5	0	92	274	14	5,379	0	-30.0	12.7	3	96	276	28	8,874	0	-48.0		5	98	269	55
		11,496	0	-54.3		4	98	269	53	13,338	0	-55.1		3	98	266	48	15,905	0	-58.8		2	98	267	39	20,291	1	-53.9		3	94	259	15	23,589	3	-51.6		5	84	240	6
TATENO	2	1,012		2.7	4.8					1,429	0	-4.0	9.1	0	62	264	5	2,932	0	-13.7	10.5	0	92	272	14	5,425	0	-26.6	13.5	0	95	269	34	8,961	0	-46.8		0	98	268	59
		11,581	0	-55.7		0	98	268	62	13,408	0	-57.0		0	98	265	57	15,956	0	-59.4		0	98	266	43	20,310	1	-55.2		2	93	255	14	23,600	3	-51.7		4	55	235	4
HACHIJOJIMA	2	997		8.8	5.8					1,451	0	-0.3	8.7	0	72	273	9	2,980	0	-7.7	15.3	0	95	274	20	5,535	0	-20.2	15.2	0	98	272	41	9,143	0	-43.4		0	98	267	64
		11,792	0	-54.6		0	98	265	75	13,609	0	-60.0		0	99	264	69	16,105	0	-64.5		0	99	267	52	20,366	2	-58.1		2	93	256	18	23,632	7	-52.5		8	74	240	8
YONAGO	2	1,018		4.8	5.6					1,455	0	-4.5	8.5	0	80	282	8	2,958	0	-13.0	12.2	0	97	286	16	5,461	0	-25.2	13.0	0	98	275	35	9,012	0	-46.4		0	98	269	56
		11,631	0	-55.9		0	99	270	60	13,458	0	-57.1		0	99	267	56	15,996	0	-61.5		0	99	268	43	20,322	0	-56.9		1	94	260	17	23,605	5	-51.1		6	72	249	6
SHIONOMISAKI	2	1,009		8.0	6.2					1,460	0	-1.3	9.2	0	71	290	7	2,984	0	-8.6	14.1	0	97	285	17	5,533	0	-21.2	14.1	0	98	272	37	9,131	0	-44.4		0	99	268	57
		11,768	0	-54.9		0	99	267	65	13,587	0	-59.3		0	99	264	61	16,088	0	-64.1		0	99	266	47	20,358	1	-57.8		1	96	259	17	23,626	5	-52.3		6	88	255	8
FUKUOKA	2	1,018		7.7	7.2					1,470	0	-1.7	10.9	1	67	285	6	2,991	0	-9.2	16.0	0	93	283	16	5,539	0	-21.0	13.1	0	98	274	36	9,130	0	-45.2		0	98	268	58
		11,757	0	-56.0		0	99	269	69	13,576	0	-58.7		0	99	267	62	16,084	0	-64.5		0	99	266	50	20,356	1	-59.2		1	98	263	18	23,611	4	-51.7		4	91	254	8
KAGOSHIMA	2	984		7.2	5.3					1,475	0	0.9	10.3	2	52	293	5	3,019	0	-4.5	14.5	0	93	282	19	5,602	0	-18.0	12.9	0	98	269	34	9,234	0	-42.2		0	99	267	55
		11,885	0	-55.2		0	99	267	71	13,695	0	-61.0		0	99	267	64	16,168	0	-67.9		0	99	266	49	20,387	2	-61.1		3	98	263	19	23,629	4	-52.1		7	92	255	9
NAZE	2	982		12.2	2.5					1,493	0	5.7	7.8	0	59	286	6	3,069	0	0.1	12.4	0	96	273	17	5,696	0	-14.0	15.0	0	98	269	31	9,396	0	-37.4		0	99	265	55
		12,096	0	-53.9		0	99	264	65	13,897	0	-64.3		0	99	265	61	16,321	0	-71.9		1	99	267	43	20,442	4	-63.1		5	98	262	16	23,663	6	-54.2		8	94	258	10
ISHIGAKIJIMA	2	1,016		20.0	4.3					1,517	0	11.2	4.5	1	32	247	2	3,124	0	4.8	8.1	0	97	263	13	5,789	0	-9.8	20.4	0	99	264	27	9,561	0	-33.3	15.7	0	99	264	44
		12,288	0	-53.6		0	99	261	50	14,082	0	-66.3		0	99	259	46	16,466	0	-77.4		0	99	268	33	20,493	2	-64.1		4	99	257	12	23,706	4	-55.5		9	86	257	8
NAHA	2	1,014		17.5	4.6					1,513	0	8.7	6.4	0	52	291	5	3,105	0	2.6	7.5	0	95	267	16	5,755	0	-11.6	14.3	0	98	265	29	9,500	0	-34.6	14.2	0	99	264	49
		12,218	0	-53.8		0	99	262	54	14,013	0	-65.3		0	99	263	50	16,413	0	-74.9		0	99	266	36	20,478	1	-63.0		1	99	262	15	23,694	1	-55.2		4	94	259	8
MINAMIDAITOJIMA	2	1,016		17.9	4.3					1,512	0	8.8	4.8	0	57	271	6	3,104	0	3.0	10.5	0	96	269	18	5,757	0	-11.3	17.7	0	99	266	33	9,508	0	-34.1	15.6	0	99	263	52
		12,227	0	-54.2		2	99	260	57	14,016	0	-67.0		2	99	260	54	16,399	0	-76.0		2	99	266	39	20,461	1	-62.6		3	98	256	13	23,678	4	-55.5		5	60	249	4
CHICHIJIMA	2	1,017		16.9	4.6					1,505	0	8.1	7.2	0	84	271	10	3,092	0	2.7	14.0	0	96	267	19	5,741	0	-11.7	17.5	0	98	265	35	9,487	0	-34.1	13.8	0	98	265	59
		12,204	0	-53.9		0	99	264	67	13,997	0	-66.2		0	99	264	61	16,394	0	-74.7		0	99	264	44	20,486	2	-62.2		4	96	256	14	23,699	8	-56.5		10	55	241	3
MINAMITORISHIMA	2	1,016		19.9	3.5					1,529	0	12.2	7.5	0	73	266	8	3,141	0	6.5	14.3	0	95	260	16	5,825	0	-8.4	18.2	0	98	265	27	9,606	0	-33.1	15.9	0	99	270	40
		12,331	0	-53.7		0	99	272	45	14,123	0	-66.6		0	99	267	42	16,496	0	-77.9		0	99	264	30	20,534	1	-63.6		1	88	257	7	23,712	2	-58.2		4	35	184	2
SYRIAN ARAB REPUBLIC																																									
DAMASCUS/NEW INTL AP	2	942		17.2	14.4					1,471	0	8.4	10.2	0	67	234	4	3,042	0	-2.8	13.8	0	88	239	9	5,622	0	-20.3	12.1	3	91	254	17	9,210	1	-46.0	9.3	2	97	263	34
		11,831	2	-55.7		2	100	267	41	13,667	2	-56.6		2	98	268	36	16,205	4	-60.9		5	97	268	25	20,496	13	-58.8		13	51	256	5	23,733	15	-55.1		15	21	298	2
ALEPPO	2	964		16.0	9.8					1,475	0	6.2	6.9	0	61	238	4	3,034	0	-4.2	12.7	0	87	242	8	5,599	0	-21.9	12.8	0	88	248	12	9,148	0	-48.1	10.9	0	94	260	23
		11,756	1	-55.6	14.6	1	94	262	26	13,586	3	-54.6		3	97	263	25	16,164	3	-57.5		3	98	266	19	20,533	4	-57.2		4	42	241	3	23,784	6	-54.4		6	43	123	4
ISRAEL																																									
BET DAGAN		1,010		20.4	9.8					1,484	0	8.8	10.2	0	64	230	5	3,060	0	-12.7	11.3	0	83	257	8	5,654	0	-18.6	11.7	0	92	267	18	9,266	0	-44.7	6.3	0	94	210	31
		11,905	0	-55.2		0	97	277	40	13,735	0	-57.6		0	96	276	40	16,279	0	-61.2		0	98	274	30	20,603	9	-58.1		9	88	265	11								

UPPER AIR DATA

MARCH 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
JORDON																																									
MAFRAQ	3	935		12.9	10.3					1,445	0	8.4	10.9	0	58	230	4	2,994	0	-1.7	13.5	0	84	240	9	5,632	0	-18.6	12.5	0	91	252	16	9,046	0	-44.8		0	97	261	28
		11,863	1	-55.5		1	95	262	31	13,688	4	-57.5		4		260	31	16,228	8	-60.4		8	98	258	30	20,514	17	-60.1		17	95	254	21								
KUWAIT																																									
KUWAIT INTL AIRPORT	3	1,007		21.3	5.3					1,507	0	14.0	2.5	0	42	250	5	3,115	0	3.2	13.1	0	88	251	22	5,744	0	-15.6	32.2	0	92	260	37	9,389	0	-43.4	60.7	0	94	265	62
		12,013	0	-57.9		0	84	268	69	13,819	0	-60.3		0	96	269	75	16,307	0	-65.3		0	96	266	53	20,495	0	-64.0		0	40	240	4	23,662	4	-58.2		4	64	85	7
SAUDI ARABIA																																									
EL-WEJH	3	1,009		23.0	9.3					1,484	0	16.2	21.5	0	46	240	3	3,114	0	5.6	21.2	0	83	255	9	5,773	0	-12.8	17.6	0	95	265	19	9,461	0	-40.0	10.6	0	97	275	36
		12,129	0	-55.9		0	97	280	46	13,933	0	-61.8		1	97	275	41	16,390	1	-70.0		1	95	270	28	20,536	1	-64.5		1	59	240	3	23,728	1	-56.6		1	20	90	10
JEDDAH (KING ABDULAZIZ) AP	3	1,007		27.2	10.3					1,498	0	19.7	16.0	0	68	175	7	3,137	0	9.2	16.0	0	80	225	7	5,827	0	-9.6	19.0	0	86	265	15	9,561	0	-37.0	11.5	0	96	280	30
		12,259	1	-54.2		1	93	285	39	14,061	1	-63.3		1	99	280	34	16,489	2	-74.0		2	96	270	21	20,559	2	-65.1		2	26	250	1	23,742	2	-57.0		2	24	100	2
GIZAN	3	1,008		27.7	5.8					1,508	0	22.0	17.1	0	89	165	4	3,158	0	10.8	16.3	0	73	180	4	5,864	0	-7.2	5.0	8	7	275	7	9,636	0	-34.2	14.8	0	91	295	21
		12,356	0	-53.5		0	95	290	28	14,155	0	-64.7		0	96	285	23	16,553	0	-76.3		0	88	270	11	20,573	2	-67.3		3	29	120	1	23,743	2	-57.6		2	93	95	7
TABOUK	3	925		18.9	17.3					1,492	0	14.3	15.0	0	51	225	4	3,095	0	2.8	7.2	0	87	250	10	5,728	0	-14.9	15.4	0	96	265	22	9,384	0	-41.7		0	98	275	41
		12,038	0	-55.9		0	97	276	50	13,848	0	-60.4		0	98	275	44	16,337	0	-67.0		0	98	265	31	20,536	1	-61.9		1	52	260	4	23,739	1	-56.8		1	37	85	2
MEDINA	3	938		26.6	24.1					1,497	0	19.4	16.9	0	66	230	4	3,129	0	6.8	15.2	0	93	235	10	5,796	0	-11.9	7.9	0	98	265	19	9,502	0	-39.2	10.4	0	97	275	35
		12,178	0	-54.9		0	98	280	44	13,984	0	-62.2		0	98	275	40	16,433	0	-71.2		0	98	270	26	20,549	0	-64.1		0	41	230	2	23,736	2	-53.7		2	11	130	1
KHAMIS MUSHAIT	3	798		18.4	11.2													3,165	0	10.8	15.1	0	84	215	5	5,867	0	-8.3	9.5	0	91	275	9	9,267	0	-35.1	14.5	0	93	285	23
		12,340	0	-53.5		0	94	290	31	14,142	0	-64.1		0	95	280	24	16,548	0	-73.5		0	94	275	14	20,577	1	-66.4		1	29	105	1	23,750	1	-57.4		1	73	90	5
RIYADH(KING KHALED INT AP)	3	943		21.2	21.2					1,507	0	15.1		0	77	175	5	3,135	0	6.5	20.7	0	93	245	10	5,796	0	-12.2	26.3	0	95	265	17	9,486	0	-40.6		0	91	270	28
		12,141	0	-56.5		1	99	275	47	13,942	1	-61.6		3	99	270	40	16,390	2	-71.2		3	97	260	24	20,501	7	-65.7		7	75	270	29	23,669	13	-58.5					
QAISUMAH	3	972		21.0	18.6					1,508	0	14.7	14.0	0	55	235	3	3,115	0	3.8	12.4	0	96	250	11	5,752	0	-15.0	11.3	0	97	260	21	9,404	0	-42.5	8.1	0	93	265	33
		12,048	0	-56.8		0	94	270	40	13,861	0	-59.7		0	95	270	38	16,355	0	-66.3		0	98	265	27	20,578	0	-63.2		0	51	260	2	23,733	0	-57.1		0	39	80	2
DHAHRAN	3	1,010		22.4	11.1					1,516	0	17.0	17.8	0	70	260	5	3,135	0	5.7	13.6	0	87	250	10	5,787	0	-13.3	12.4	0	96	265	17	9,467	0	-41.1	8.1	0	93	270	28
		12,116	0	-56.0		0	94	275	37	13,932	0	-60.2		0	95	270	37	16,409	0	-69.1		0	97	265	25	20,548	0	-64.5		0	19	65	1	23,732	1	-56.7		1	7	55	1
OMAN																																									
SEEB INTERNATIONAL AP	3	1,009		26.5	12.5					1,518	0	19.6	23.5	0	47	252	2	3,149	0	7.2	23.0	0	66	260	4	5,819	0	-11.4	30.5	0	87	266	10	9,515	0	-40.5	20.8	0	88	271	19
		12,173	0	-55.5		0	87	268	30	13,984	0	-61.7		0	90	267	24	16,429	0	-72.3		0	91	260	10	20,484	2	-68.3		2	25	321	1	23,639	3	-58.4		3	33	233	2
SALALAH	3	1,007		25.5	7.9					1,497	13	18.8	15.7	9	71	196	6	3,134	13	5.7	14.7	9	27	71	2	5,842	13	-7.7	12.4	9	55	281	6	9,600	14	-35.5	11.2	9	65	286	22
		12,313	16	-53.5		9	93	287	27	14,109	16	-65.9		9	91	272	22	16,513	18	-76.4		9	67	247	7	20,549	22	-68.7		9	44	164	3	23,705	24	-57.3		9	41	81	4
PAKISTAN																																									
PESHAWAR	1	907		14.0	19.3					1,529	2	14.0	13.9	2	55	313	3	3,082				2	71	274	5	5,701	3	-15.8	17.6	3	81	254	14	9,345	3	-44.5		3	83	258	25
		11,223	4	-61.6		5	77	251	21	13,683	10	-59.7		9	78	257	25																								
SARGODHA	1	994		15.6	7.0					1,507	6	14.2	10.0	7	60	304	3	3,138	6	-1.3	7.1	7	62	275	6	5,808	6	-16.3	9.1	7	93	278	12	9,526	7	-44.4		9	77	279	17
		12,189	14	-58.7																																					
QUETTA/BREMERY	1	839		6.4	2.0													3,059	5	-2.0		5	74	274	6	5,664	4	-17.3		4	85	271	12	9,301	4	-44.7		4	86	263	22
		11,846	6	-59.1		9	90	260	26	13,598	15	-62.5		9	55	264	32																								
MULTAN	1	960		15.4	4.0					1,473	4	16.4		4	41	280	17	3,093	3	5.1		3	26	240	7	5,743	3	-12.7		3	80	265	9								
KARACHI AIRPORT	1	1,007		18.8	4.0					1,481	2	17.6	17.0	2	80	283	7	3,100	2	5.3	14.0	2	93	286	6	5,756	2	-13.2	11.0	2	96	278	12	9,430	3	-43.0		3	86	272	19
		12,068	6	-59.4		9	96	270	23	13,868	14	-65.7																													
INDIA																																									
SRINAGAR	1	843		10.8	6.8					1,528								3,109	2	0.2	4.7	2	16	145	1	5,733	2	-16.5	7.0	2	61	230	6	9,392	2	-42.1		3	78	265	18
		12,035	8	-55.7																																					
NEW DELHI/SAFDARJUNG	3	977		24.1	13.5					1,480	1	18.4	19.5	1	90	301	9	3,104	1	6.1	10.1	1	90	296	11	5,767	1	-12.8		1	93	282	15	9,447	1	-42.1		1	92	272	24
		12,089	1	-57.3		1	94	266	33	13,902	2	-60.7		2	94	266	33	16,345	5	-71.0		5	94	264	22	20,457	9	-65.7		9	63	293	5								
JODHPUR	3	984		27.4	22.3					1,495	0	19.1	25.5	0	13	286	1	3,119	0	5.7	16.5	0	30	297	2	5,784	0	-9.8		0	88	271	11	9,479	0	-40.5		0	61	265	14
		12,125	0	-56.0		0	94	259	29	13,930	0	-62.0		0	97	263	28	16,378	2	-71.0		3	95	261	21	20,488	4	-65.3		5	41	291	3	23,677	10	-56.1		9	39	267	3
LUCKNOW/AMAUSI	3	994		23.3	10.4					1,480	0	18.3	18.1	0	97	304	11	3,104	0	6.5	17.2	0	95	302	12	5,773	0	-12.4		0	92	287	15	9,457	0	-41.4		0	93	276	23
		12,116	0	-56.2		1	97	267	32	13,924	7	-62.9		8	98	267	30	16,369	12	-71.9		9	96	272	22																
GAUHATI	3	1,003		23.4	9.9					1,444	0	15.7	10.1	0	41	252	3	3,093	0	4.0	9.0	0	95	263	11	5,771	0	-9.6		0	97	276	21	9,498	0	-37.7		0	92	272	35
		12,193	0	-54.7		0	96	264	44	13,939	0	-63.4		0	98	266	38	16,426	0	-73.6		2	95	273	27	20,484	2	-66.0		6	50	273	4	23,654	11	-56.0		9	38	277	4
AHMADABAD	1	1,004		20.8	9.0																																				
CALCUTTA/DUM DUM	3	1,007		26.9	9.5					1,486	0	19.0	16.8	0	91	281	6	3,112	0	7.5		0	97	290	12	5,803	0	-9.3		0	95	279	15	9,546	0	-35.5		0	96	258	31
		12,256	1	-54.3		1	99	251	37	14,049	1	-65.1		1	97	254	30	16,459	1	-74.9		1	95	267	19	20,482	5	-66.3		5	48	293	4								
NAGPUR/SONEGAON	3	975		27.6	18.8					1,507	0	22.4	18.2	0	33	302	1	3,148	0	8.8	13.7	0	88	293	6	5,836	0	-9.1		0	94	282	9	9,587	2	-35.9		2	93	253	21
		12,308	3	-53.5		3	88	214	21	14,113	4	-63.9		4	85	250	22																								
BHUBANESWAR	3	1,003		27.3	9.2					1,503	0	21.9	20.4	0	8	310	4	3,146	0	8.9	13.4	0	90	314	9	5,856	0	-6.2		0	91	278	9	9,660	0	-31.2		0	93	257	23
		12,392	0	-50.4		2	98	240	28	14,247	0	-62.0		3	93	256	21	16,600	2	-72.7		6	90	262	14	20,796	5	-62.0						24,072	8	-49.5					
BOMBAY/SANTACRUZ	3	1,007		27.7	10.3					1,504	0	23.0	20.4	0	73	5	3	3,149	0	9.2	12.9	0	44	167	2	5,840	0	-9.0		0	60	265	5	9,590	0	-36.5		0	82	253	15
		12,302	0	-54.0		0	86	240	22	14,099	1	-64.9		1	96	243	18	16,532	3	-74.6		3	69	253	9																
HYDERABAD AIRPORT	3	952		28.2	14.5					1,537	0	21.9	8.0	0	63	95	3	3,181	0	9.3	11.9	0	59	20	3	5,873	0	-7.9	9.5	0	51	270	3	9,659	1	-30.7	10.0	1	93	245	18
		12,397	1	-52.5		1	98	245	22	14,204	1	-65.4		1	94	250	17	16,586	2	-78.4		2	41	230	3	20,697	7	-62.2		8	50	75	3								
VISHAKHAPATNAM/WALTAIR	3	1,003		26.6	4.3					1,481	2	21.3	17.8	2	35	343	1	3,124	2	9.0	12.3	2	80	352	5	5,823	2	-6.8	11.6	2	10	58	1	9,635	2	-31.6		2	96	252	21
		12,411	2	-49.3		3	78	243	2	14,248	2	-60.2		5	10	257	2	16,693	9	-70.3		9	58	257	5																
GOA/PANJIM	1	1,002		25.6	3.0					1,496	1	21.4	15.0	1	37	61	2	3,136	1	8.7	9.3	1	87	92	5	5,826	2	-7.5		3	8	45	1	9,625	5	-31.8		7	83	249	15
		12,365	7	-52.3		9	92	234	20	14,174	9	-64.2						16,565	12	-76.2																					

UPPER AIR DATA

MARCH 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																																									
MADRAS/MINAMBAKKAM	3	1,005		26.9	4.5					1,499	0	21.5	19.0	0	98	99	5	3,147	0	10.2	14.5	0	80	73	6	5,864	0	-5.0	13.0	0	70	106	4	9,713	0	-29.0		0	8	236	11
		12,494	1	-50.0		1	89	236	15	14,316	1	-63.6		1	87	251	12	16,710	3	-76.8		3	39	237	3	20,793	6	-63.7		9	15	268	1	24,015	10	-53.8					
PANAMBUR	1	1,006		25.3	1.9					1,498	0	20.6	9.3	3	55	124	3	3,143	2	8.8	10.2	4	92	92	7	5,849	4	-5.9		5	33	106	2	9,680	5	-29.8		6	93	257	16
		12,441	8	-51.3		9	79	255	16	14,270	10	-63.9						16,670	12	-76.1																					
PORT BLAIR	3	1,001		25.9	3.8					1,500	6	18.9	11.5	6	67	65	4	3,144	6	11.2	14.9	6	70	91	4	5,859	6	-5.0		6	51	134	3								
COCHIN/ERNAKULAM	1	1,009		26.5	2.9					1,500	1	18.3	6.8					3,137	1	8.9	12.3					5,847	3	-5.8						9,674	3	-31.3					
		12,415	6	-53.1																																					
MINICOY	1	1,009		25.9	2.0					1,496	1	19.0	6.6	0	62	85	5	3,137	1	9.8	11.4	1	67	76	3	5,847	1	-4.8		1	44	48	3	9,696	2	-30.6		2	67	208	7
		12,445	5	-53.3		5	47	246	6																																
TRIVANDRUM	3	1,001		26.8	3.8					1,491	0	18.6	5.2	0	73	80	4	3,129	0	9.8	12.1	0	78	75	6	5,849	0	-5.1		0	33	103	2	9,690	0	-30.1		0	57	225	5
		12,447	0	-52.6		0	59	238	7	14,253	0	-65.5		0	63	248	7	16,627	0	-79.5		0	71	101	4	20,697	5	-63.9		6	23	193	1	23,913	9	-53.3		9	96	87	4
MALAYSIA																																									
PENANG/BAYAN LEPAS	3	1,009		25.9	2.2					1,497	0	18.3	4.8	0	54	53	2	3,135	0	9.8	8.3	0	70	75	3	5,853	0	-5.5	10.8	0	81	86	6	9,670	0	-31.2	9.3	0	89	115	9
		12,407	0	-53.5		1	91	134	13	14,195	0	-67.7		2	76	131	10	16,544	0	-80.3		5	79	104	9	20,522	3	-69.7		9	85	265	6	23,623	6	-62.0		17	99	91	23
KOTA BHARU	3	1,009		25.1	2.2					1,499	0	17.9	5.0	0	54	79	3	3,137	0	9.9	10.6	1	80	86	5	5,853	0	-5.9	12.8	0	94	92	8	9,667	0	-31.7	13.2	3	91	119	8
		12,402	0	-53.1		5	93	135	13	14,197	0	-66.4		11	48	135	4	16,557	0	-80.3		11	69	97	5	20,536	1	-70.5		13	82	264	5	23,639	4	-61.3		15	99	92	26
KUALA LUMPUR/SUBANG	3	1,004		25.3	1.8					1,499	0	17.1	2.7	0	49	18	2	3,135	0	8.7	5.4	0	41	60	2	5,850	0	-6.1	8.0	0	77	91	5	9,671	0	-31.6	9.5	0	91	115	9
		12,405	0	-54.4		0	94	121	13	14,187	0	-68.9		0	78	119	11	16,521	0	-81.9		0	82	100	10	20,523	1	-70.9		2	95	271	8	23,642	8	-59.5		9	99	92	25
KUANTAN	3	1,008		24.1	2.8					1,497	0	16.2	3.5	0	65	45	3	3,129	0	8.7	8.5	0	51	71	3	5,843	0	-6.1	10.0	0	88	94	7	9,663	0	-31.5	12.9	0	89	119	9
		12,399	0	-54.2		0	96	124	14	14,187	0	-68.3		0	79	127	11	16,531	0	-80.7		0	80	104	10	20,567	0	-69.3		1	91	274	8	23,691	0	-58.1		2	99	96	25
KOTA KINABALU	3	1,009		26.2	2.6					1,501	0	18.5	5.2	0	64	71	2	3,143	0	10.4	9.0	1	84	99	5	5,865	0	-5.1	10.6	1	90	91	8	9,681	0	-32.1	9.8	1	95	101	9
		12,413	1	-53.3		3	94	123	13	14,207	1	-66.9		4	96	118	14	16,555	1	-81.3		6	90	113	14	20,553	3	-69.6		15	83	266	5	23,673	19	-60.2		24	100	97	25
TAWAU	1	1,009		25.2	1.6					1,512	0	17.9	4.6	0	75	60	4	3,149	0	9.8	7.9	0	79	90	5	5,870	0	-5.1	11.7	1	95	90	9	9,692	0	-30.7	14.5	0	96	98	10
		12,443	0	-51.3		0	96	110	15	14,252	0	-64.7		9	93	110	15	16,619	1	-80.6		15	95	97	14	20,642	6	-67.9		27	98	263	4								
SINGAPORE																																									
SINGAPORE/PAYA LEBAR	1	1,008		24.2	0.8					1,495	0	17.3	1.6	0	33	5	2	3,132	0	9.0	3.8	0	22	92	1	5,845	0	-6.2	3.3	0	69	92	5	9,660	0	-31.5	6.6	0	94	115	9
		12,393	1	-54.5	7.7	1	93	110	14	14,175	1	-68.6		2	78	112	9	16,509	1	-82.1		2	77	83	9	20,501	1	-70.6		2	93	272	7	23,587	1	-60.1		1	99	91	29
CHINA																																									
HAILAR	1	944		-20.9	1.3					1,403	0	-14.3	2.5	0	44	318	2	2,851	0	-23.5	3.6	0	70	333	5	5,241	0	-38.1	4.1	2	60	326	6	8,597	1	-57.9	3.9	3	54	304	9
		11,158	1	-55.2	4.3	3	77	302	12	13,006	1	-53.2	4.5	4	52	308	11	15,637	2	-50.2	5.8	5	71	313	9	20,215	9	-44.0	6.9	9	30	39	3	23,634	10	-44.7	8.3	9	65	90	23
URUMQI	1	916		-2.8	3.3					1,512	0	-2.9	5.1	0	37	11	2	3,042	0	-7.6	8.5	0	64	325	5	5,580	0	-24.4	8.6	0	95	300	14	9,102	1	-50.5	6.6	1	92	292	24
		11,678	2	-59.4	5.8	3	97	290	29	13,484	3	-56.4	6.5	4	98	294	26	16,051	5	-56.8	6.9	5	96	296	21	20,425	7	-57.4	6.6	9	92	310	13	23,683	8	-52.4	7.3	9	65	350	5
BEIJING	1	1,015		0.1	12.4					1,463	0	-6.3	14.0	0	74	309	7	2,957	0	-15.4	12.4	0	92	307	14	5,425	0	-30.2	11.1	0	97	295	27	8,905	1	-51.7	9.0	1	97	286	42
		11,489	2	-56.5	10.8	2	98	283	42	13,320	2	-56.1	11.8	3	99	284	40	15,891	2	-57.4	12.2	3	99	283	33	20,299	3	-53.9	13.9	4	90	288	11	23,605	4	-51.4	15.2	4	34	332	2
LANZHOU	1	849		-0.2	9.4													3,049	0	-5.5	10.6	0	20	207	1	5,622	0	-20.2	11.6	0		292	19	9,203	0	-47.6	9.1	0	97	284	37
		11,784	0	-59.9	9.4	0		279	41	13,590	0	-58.7	9.1	0		277	41	16,120	0	-61.8		0	97	280	37	20,394	1	-61.0		2	94	302	15	23,628	16	-55.4		9	56	343	5
SHANGHAI	1	1,021		5.9	2.8					1,494	0	2.1	8.6	0	50	295	4	3,045	0	-3.5	11.7	0	93	284	13	5,642	0	-16.8	12.0	0	97	277	28	9,290	0	-42.1	9.6	0		269	50
		11,947	0	-54.6	8.8	0		265	70	13,767	0	-59.8	8.9	0		268	67	16,262	1	-66.1		1	98	271	48	20,455	7	-64.2		9		275	22	23,647	13	-54.8		9	89	271	8
LHASA	1	651		-0.6	17.0																					5,743	0	-10.8	18.7	1	88	270	7	9,431	0	-41.5	13.1	1	96	280	26
		12,094	0	-54.1	12.5	1	84	272	36	13,920	0	-59.4	15.0	0	98	269	42	16,404	2	-58.7		0	97	273	33	20,533	2	-56.8		4	75	316	6	23,665	5	-58.6		7	56	320	5
KUNMING	1	810		7.7	4.8													3,101	0	5.3	7.7	0		264	14	5,779	0	-8.6	18.6	0	96	271	26	9,556	0	-34.0	14.9	0	95	265	51
		12,292	0	-52.3	12.0	1	98	260	48	14,100	1	-63.5		2	98	264	42	16,525	6	-73.1		9	97	271	29	20,550	13	-68.1		9	78	290	7	23,709	16	-57.7		9	90	278	9
GUANGZHOU	1	1,016		15.9	2.3					1,512	0	12.0	2.9	0	80	215	8	3,126	0	5.4	5.0	1		266	15	5,806	0	-7.7	16.5	3		269	25	9,597	1	-33.0	11.7	1		265	39
		12,330	1	-52.7	9.3	1	98	259	44	14,135	1	-64.9		1		260	41	16,542	3	-75.2		4		267	27	20,539	9	-68.7		9		283	11	23,693	13	-57.2		9	88	278	7
PHILIPPINES																																									
LAOAG	1	1,013		23.5	4.3					1,650	3	18.0		3	20	130	1	3,167	3	9.5		0	70	220	4	5,882	3	3.5		3	89	260	9	23,762	22	-56.2		9	95	90	9
		12,436	4	-53.6		4	2	245	18	14,224	6	-67.7		6	92	245	18	16,578	10	-80.5		9	94	265	9	20,563	12	-65.6		9	30	295	2								
AUSTRALASIA																																									
NORTH PACIFIC																																									
MIDWAY ISLAND	2	1,015		20.0	7.6					1,507	0	9.5	6.0	2	90	264	11	3,106	0	3.8	11.6	0	93	264	17	5,764	1	-11.7	13.1	1	94	271	24	9,483	1	-37.8	11.0	1	95	278	33
		12,169	2	-54.7		5	96	287	37	13,968	2	-64.3		7	97	281	37	16,377	9	-73.9		15	97	276	25	20,490	20	-63.9		23				23,663	20	-58.5		23			
LIHUE, KAUAI, HAWAII	2	1,015		21.9	3.6					1,550	0	12.6	7.4	0	25	53	2	3,166	0	7.2	19.9	0	17	283	1	5,854	0	-9.3	18.1	0	54	290	7	9,590	0	-37.5	11.6	0	78	307	18
		12,288	0	-53.8		0	84	302	28	14,094	0	-64.0		0	88	294	26	16,498	0	-76.2		0	87	285	16	20,544	0	-65.4		0	34	217	1	23,704	0	-58.3		0	3	217	**
HILO/GEN. LYMAN, HAWAII	2	1,018		20.4	3.6					1,549	0	12.1	2.0	0	58	88	2	3,161	0	7.1	20.7	0	37	91	3	5,846	0	-9.7	18.5	0	29	305	3	9,579	1	-37.2	13.6	1	71	305	16
		12,282	1	-53.7		1	88	287	27	14,083	1	-65.2		3	87	289	21	16,474	1	-77.2		3	86	290	13	20,500	1	-66.5		1	12	165	**	23,654	3	-58.8		3	40	55	2
WAKE ISLAND	2	1,017		26.0	6.0					1,553	0	14.9	7.4	0	66	106	3	3,183	0	9.6	19.4	0	12	303	1	5,899	0	-5.9	19.3	0	91	278	8	9,707	0	-32.2	15.0	0	95	283	17
		12,441	0	-53.7		0	95	287	20	14,231	0	-67.3		0	97	281	20	16,582	1	-81.6		1	91	266	13	20,560	1	-66.6		1	72	132	3	23,717	1	-58.8		1	69	88	3
JOHNSTON ISLAND	2	1,016		25.1	4.3					1,539	0	13.8	3.4	0	84	79	6	3,163	0	10.1	22.5	0	66	72	5	5,877	0	-6.4	19.7	0	36	27	3	9,666	0	-33.1	15.1	0	82	320	14
		12,398	0	-53.3		0	83	302	16	14,193	1	-66.7		1	85	300	14	16,556	1	-80.4		1	84	306	8	20,541	2	-66.8		2	48	153	2	23,695	3	-59.0		3	95	81	8
GUAM, TAGUAC, MARIANA IS.	2	1,000		24.3	2.2					1,526	0	17.4	7.6	0	95	85	9	3,166	0	11.2	19.4	1	90	85	6	5,896	0	-4.7	19.2	0	88	89	5	9,724	1	-30.8	13.4	2	20	142	1
		12,467	2	-53.3		2	64	222	4	14,258	2	-68.0		2	80	187	7	16,596	4	-82.6		5	80	146	5	20,577	8	-68.7		8	61	137	2	23,711	9	-59.9		9	99	91	15
YAP, CAROLINE ISLANDS	1	1,010		27.8	3.8					1,517	0	17.7	5.2	0	94	82	9	3,160	0	10.9	14.4	0	92	89	8	5,890	0	-4.1	14.7	0	96	95	10	9,731	0	-29.9	12.0	1	95	106	9
		12,485	1	-52.8		1	88	132	9	14,279	1	-67.7		1	90	123	10	16,629	1	-80.2		1	96	109	10	20,630	2	-68.2		2	26	23	1	23,774	2	-58.5		2	100	89	22
TRUK, CAROLINE ISLANDS	1	1,012		28.4	4.9					1,520	0	17.6	5.1	0	95	85	8	3,161	0	10.3	11.8	0	92	91	7	5,889	0	-4.2	16.0	0	97	90	12	9,734	0	-29.7	14.7	0	93	94	11
		12,491	0	-52.3		0	88	118	10	14,289	0	-66.9		0	85	108	12	16,638	0	-82.8		0	96	104	13	20,645	0	-68.0		0	32	276	1	23,779	0	-59.6		0	100	90	24

UPPER AIR DATA

MARCH 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
NORTH PACIFIC																																											
KOROR, PALAU ISLANDS	1	1,007		27.3	3.3					1,513	0	18.0	5.7	0	93	82	9	3,158	0	10.6	8.8	0	93	87	8	5,885	0	-4.6	10.2	0	95	91	11	9,726	0	-29.9	10.6	0	95	109	10
		12,480	0	-52.9		0	96	116	12	14,273	0	-67.6		0	96	118	15	16,623	1	-80.5		1	95	103	10	20,632	3	-69.4		3	8	273	**	23,756	3	-59.5		4	100	91	24
MAJURO, MARSHALL ISLANDS	1	1,012		29.2	6.0					1,523	0	17.1	6.0	0	98	82	9	3,163	0	11.1	18.2	0	82	98	7	5,892	0	-4.2	19.4	0	97	83	11	9,741	0	-29.3	15.2	0	91	63	6
		12,498	0	-52.4		0	68	106	6	14,297	0	-66.6		0	76	73	6	16,650	0	-82.0		0	92	81	9	20,656	0	-68.0		0	66	258	2	23,800	1	-58.8		1	100	89	24
SOUTH PACIFIC																																											
ATUONA, MARQUESAS ISLAND	1	1,003		30.0	5.4					1,497	0	17.7	3.5	0	83	82	5	3,138	0	11.2	10.2	0	82	76	6	5,869	0	-4.0	12.0	0	74	85	5	9,705	0	-29.8	9.9	0	62	152	6
		12,460	0	-52.1		0	61	163	9	14,261	0	-66.4		0	61	188	9	16,638	6	-76.6		11	40	170	4	20,685	18	-67.0		18	98	83	9	23,864	23	-54.3		23	98	86	24
PAGO PAGO, SAMOA	1	1,009		29.2	4.0					1,508	0	18.1	2.4	0	44	302	2	3,152	0	9.9	4.3	0	64	330	3	5,878	0	-4.7	8.7	1	18	55	1	9,720	1	-29.8	10.3	3	26	145	2
		12,475	1	-52.7		1	43	176	4	14,268	1	-67.7		1	64	157	7	16,613	1	-82.2		1	78	116	5	20,613	1	-67.3		2	99	90	14	23,767	4	-57.5		6	100	88	24
HAO, TUAMOTU IS.	1	1,010		29.0	4.6					1,509	0	17.4	2.9	0	55	24	3	3,147	0	9.4	4.8	0	34	80	2	5,868	0	-5.5	6.4	0	31	354	2	9,696	0	-30.4	7.1	0	11	328	1
		12,442	0	-53.3		0	29	203	4	14,229	0	-67.9		0	39	205	6	16,584	0	-78.1		0	27	158	2	20,600	1	-68.5		3	98	87	11	23,760	7	-56.8		8	99	93	22
TAHITI, SOCIETY IS.	1	1,010		30.5	6.3					1,510	0	18.1	3.5	0	46	55	2	3,152	0	10.3	7.1	0	29	70	25	5,880	0	-4.0	11.2	0	14	54	1	9,719	0	-29.6	9.5	0	23	307	2
		12,481	0	-51.3		0	29	273	4	14,287	0	-65.6		1	26	234	3	16,660	1	-77.6		2	47	141	3	20,715	2	-66.0		4	97	90	12	23,902	9	-55.9		10	99	90	22
VILA, NEW HEBRIDES	1	1,007		28.7	3.7					1,506	8	18.2	3.9	0	52	105	4	3,152	8	-14.1	11.8	0	25	204	2	5,884	8	-4.2	11.9	0	22	230	3	9,728	8	-29.4		0	69	286	6
		12,490	8	-52.0		0	87	306	18	14,290	8	-66.9		0	64	288	13	16,643	8	-81.0		0	10	40	1	20,607	10	-66.1		4	99	89	26	23,852				0	99	86	40
NOUMEA/NOUVELLE-CALEDONIE		1,004		26.9	5.7					1,507	0	16.6	6.5	0	25	86	1	3,143	0	10.0	15.1	0	60	279	4	5,869	1	-4.2	16.5	1	82	279	8	9,702	1	-30.2	13.6	2	79	277	15
		12,465	2	-50.5		2	88	284	19	14,280	2	-64.6		3	92	285	19	16,658	2	-79.0		4	87	277	10	20,699	3	-66.2		7	98	77	12	23,881	6	-55.1		13	99	90	19
RAPA, AUSTRAL IS.	1	1,014		23.9	4.4					1,511	0	13.6	4.5	0	19	108	1	3,133	0	8.2	12.8	0	61	280	4	5,840	0	-6.4	13.8	0	81	281	8	9,635	0	-32.9	9.1	0	89	283	16
		12,362	1	-53.0		1	84	271	19	14,165	1	-64.5		3	88	266	21	16,586	6	-72.3		8	87	264	13	20,752	15	-60.6		15	79	69	5	23,978	24	-51.3		24	96	86	13
OCEAN SHIPS																																											
SHIP L	1	1,017		6.5	3.9					1,450	0	-4.2	5.5	0	18	268	2	2,960	0	-11.4	16.8	0	31	279	4	5,459	0	-27.9	16.7	0	37	271	6	8,938	0	-51.8		0	49	279	11
		11,505	0	-59.2		0	63	276	12	13,316	0	-56.9		0	64	281	9	15,883	0	-57.6		0	58	290	7	20,249	1	-57.8		0	49	314	5	23,468	1	-58.8		0	51	323	7

UPPER AIR DATA LATE REPORTS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	SURFACE* 200 MB TEMPERATURE NUMBER OF MISSING DAYS	SURFACE* 200 MB TEMPERATURE MEAN	SURFACE* 200 MB DEW POINT DEPRESSION	SURFACE* 200 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	SURFACE* 200 MB MEAN VECTOR WIND STEADINESS FACTOR	SURFACE* 200 MB MEAN VECTOR WIND DIRECTION	SURFACE* 200 MB MEAN VECTOR WIND SPEED	850 MB 150 MB HEIGHT	850 MB 150 MB TEMPERATURE NUMBER OF MISSING DAYS	850 MB 150 MB TEMPERATURE MEAN	850 MB 150 MB DEW POINT DEPRESSION	850 MB 150 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	850 MB 150 MB MEAN VECTOR WIND STEADINESS FACTOR	850 MB 150 MB MEAN VECTOR WIND DIRECTION	850 MB 150 MB MEAN VECTOR WIND SPEED	700 MB 100 MB HEIGHT	700 MB 100 MB TEMPERATURE NUMBER OF MISSING DAYS	700 MB 100 MB TEMPERATURE MEAN	700 MB 100 MB DEW POINT DEPRESSION	700 MB 100 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	700 MB 100 MB MEAN VECTOR WIND STEADINESS FACTOR	700 MB 100 MB MEAN VECTOR WIND DIRECTION	700 MB 100 MB MEAN VECTOR WIND SPEED	500 MB 50 MB HEIGHT	500 MB 50 MB TEMPERATURE NUMBER OF MISSING DAYS	500 MB 50 MB TEMPERATURE MEAN	500 MB 50 MB DEW POINT DEPRESSION	500 MB 50 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	500 MB 50 MB MEAN VECTOR WIND STEADINESS FACTOR	500 MB 50 MB MEAN VECTOR WIND DIRECTION	500 MB 50 MB MEAN VECTOR WIND SPEED	300 MB 30 MB HEIGHT	300 MB 30 MB TEMPERATURE NUMBER OF MISSING DAYS	300 MB 30 MB TEMPERATURE MEAN	300 MB 30 MB DEW POINT DEPRESSION	300 MB 30 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	300 MB 30 MB MEAN VECTOR WIND STEADINESS FACTOR	300 MB 30 MB MEAN VECTOR WIND DIRECTION	300 MB 30 MB MEAN VECTOR WIND SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
AUGUST 1983																																									
SOUTH AMERICA																																									
ANTARCTICA																																									
B. A. VICECOMODORO MARAMBIO	2	964		-6.3	2.3					1,183	10	-7.7	13.9	10	77	243	7	2,667	10	-16.8	15.0	10	76	252	9	5,105	10	-34.2	13.9	10	78	267	16	8,488	10	-57.8	15.4	10	76	271	24
		10,967	10	-67.9		10	86	267	26	12,681	11	-69.1		11	90	267	30	15,078	11	-72.4		11	92	266	35	19,111	14	-76.6		14	95	267	46	22,045	19	-77.7		19	96	265	52
SEPTEMBER 1983																																									
SOUTH AMERICA																																									
ARGENTINA-SOUTHERN																																									
RIO GRANDE B.A.		1,000		1.8	2.9					1,323	1	-2.8	8.1	12	87	277	14	2,835	2	-12.0	11.9					5,320	1	-29.7	11.4					8,762	1	-54.6	13.4				
		11,294	1	-63.0						13,058	2	-61.9						15,568	3	-62.4						19,815	14	-61.9													
ANTARCTICA																																									
B. A. VICECOMODORO MARAMBIO	2	974		-14.2	2.5					1,240	11	-11.3	10.3	13	29	229	3	2,716	11	-16.8	15.8	13	45	219	5	5,161	11	-33.7	12.5	13	65	220	10	8,538	11	-59.3	13.7	13	66	221	15
		10,994	11	-70.5		13	71	239	16	12,692	11	-72.5		13	79	251	19	15,065	11	-73.3		13	89	258	26	19,108	12	-73.2		13	95	267	40	22,120	16	-70.9		16	96	271	47
OCTOBER 1983																																									
SOUTH AMERICA																																									
ARGENTINA-NORTHERN																																									
SALTA AERO	2	878		12.8	4.5					1,497	0	15.1	6.2	0	48	74	1	3,127	0	9.6	12.6	0	31	326	1	5,839	0	-7.3	19.0	0	75	265	5	9,589	0	-36.5	14.6	0	81	259	16
		12,291	0	-54.4		0	89	256	22	14,087	1	-64.4		1	95	261	22	16,505	2	-73.1		2	93	263	16	20,712	7	-59.6		7	5	288	1	23,946	19	-54.9		19	6	22	1
MENDOZA AERO	2	935		13.7	7.9					1,505	0	13.1	9.4	0	74	174	3	3,113	0	5.0	11.6	0	64	323	3	5,771	0	-12.7	14.1	0	88	276	13	9,462	0	-40.0	12.5	0	82	261	20
		12,123	0	-55.5		4	90	261	23	13,939	0	-60.0		8	93	261	23	16,431	0	-65.9		10	92	262	15	20,714	1	-57.8		14	30	214	3	23,986	5	-53.2		18	7	49	1
CORDOBA AERO	2	959		15.5	5.7					1,494	1	13.7	9.0	6	27	6	2	3,106	1	6.2	12.1	6	58	278	5	5,775	1	-11.7	16.3	6	74	274	14	9,465	1	-40.7	14.0	7	85	264	25
		12,121	1	-56.1		9	88	254	27	13,927	1	-61.0		11	94	265	28	16,402	3	-66.0		14	95	267	23	20,668	5	-58.7		15	37	257	4	23,903	6	-54.5		17	20	261	3
RESISTENCIA AERO	2	1,008		20.6	4.2					1,513	0	16.3	11.3	1	39	2	3	3,143	0	8.2	17.8	1	13	263	1	5,838	0	-9.2	20.4	1	65	255	6	9,580	0	-37.5	17.3	0	80	249	19
		12,273	0	-54.3		0	85	255	28	14,078	0	-62.9		1	81	253	21	16,528	0	-69.3		0	92	247	17	20,738	2	-59.8		2	35	70	3	23,966	4	-54.7		4	26	98	4
ARGENTINA-SOUTHERN																																									
SANTA ROSA AERO	2	994		12.9	4.7					1,510	15	12.6	13.3	16	24	266	2	3,108	15	2.3	15.8	16	61	254	8	5,740	15	-14.4	19.5	16	85	274	18	9,400	15	-41.6	18.1	16	69	284	20
		12,052	15	-55.6		17	89	268	27	13,868	15	-58.9		17	95	265	37	16,385	16	-63.4		18	96	264	26	20,664	16	-59.7		19	91	252	13	23,889	19	-58.1					
NEUQUEN AERO	2	983		9.9	7.7					1,485	0	9.1	18.6	0	66	252	7	3,062	0	-0.7	19.5	0	80	269	11	5,664	0	-17.8	20.0	2	85	265	16	9,280	0	-44.5	17.5	7	82	260	24
		11,918	1	-54.0		14	86	265	22	13,760	1	-55.4		15	90	266	26	16,323	1	-58.7		18	92	266	24	20,686	1	-56.4						23,934	3	-54.5					
EZEIZA AERO	2	1,014		15.3	3.3					1,503	1	11.1	10.9	2	41	253	4	3,101	1	2.9	13.2	2	56	262	7	5,740	1	-14.0	14.0	2	83	261	17	9,418	1	-40.4	13.2	4	82	264	26
		12,084	1	-54.3		4	79	271	25	13,913	1	-57.3		4	87	267	24	16,450	1	-61.2		4	91	258	19	20,788	3	-56.4		6	63	252	6	24,067	6	-52.0		11	20	244	2
COMODORO RIVADAVIA AERO	2	1,006		9.8	8.9					1,429	0	3.4	14.3	2	85	236	8	2,973	0	-6.4	16.1	1	88	250	11	5,519	0	-23.4	11.2	2	85	250	16	9,060	0	-48.4	20.3	1	78	258	19
		11,670	0	-54.8		3	91	264	25	13,512	0	-55.0		3	94	267	24	16,094	3	-56.8		6	96	269	22	20,472	6	-56.7		7	90	265	17	23,756	1	-53.5		11	80	267	14
DECEMBER 1983																																									
NORTH AMERICA																																									
MEXICO-NORTHERN																																									
ISLA GUADALUPE, B.C.	2	1,017		16.0	2.8					1,540	1	13.8	17.2	2	67	321	6	3,158	2	7.0	20.1	2	71	295	9	5,835	2	-11.0	16.7	2	82	281	14	9,539	2	-40.0	7.0	3	88	282	20
		12,197	2	-57.3		4	88	275	26	13,986	4	-64.8		6	89	273	23	16,427	8	-72.4		9	90	278	15	20,578	16	-63.0		18	32	5	2	23,798	21	-55.7					
SOUTH AMERICA																																									
CHILE																																									
ANTOFAGASTA/CERRO MORENO	2	1,002		18.2	3.8					1,509	0	16.0	19.4					3,149	0	10.9	21.1					5,877	0	-5.4	19.8					9,670	0	-33.6	14.4				
		12,386	0	-54.8						14,175	1	-65.6						16,593	1	-73.2						20,721	1	-62.1						23,954	3	-52.9					
JANUARY 1984																																									
AFRICA																																									
MOZAMBIQUE																																									
NAMPULA	3	958		24.2	2.8					1,480	13	18.7	3.8	9	61	248	4	3,122	13	9.2	4.1	9	65	244	4	5,840	13	-5.4	6.0	9	4	305	4	9,670	15	-30.4	6.6	9	53	71	4
		12,423	17	-52.5		9	86	94	12	14,220	18	-67.2		9	89	98	17	16,578	19	-79.9		9	90	91	14																
MAPUTO/MAVALANE	2	1,008		29.1	9.0					1,517	9	16.0	4.6	9	73	179	5	3,151	9	9.7	13.7	9	62	171	4	5,859	9	-6.7	19.1	9	63	192	6	9,656	9	-32.3	20.3	9	60	259	8
		12,398	9	-51.8		9	84	263	16	14,214	9	-63.7		9	86	275	14	16,631	10	-74.7		9	58	274	5	20,712	14	-62.4		9	96	72	10	23,937	14	-53.3		9	98	84	13

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
FEBRUARY 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	1,017		14.4	2.9					1,526	2	10.8	20.5	5	68	327	4	3,126	2	3.6	18.4	2	66	301	6	5,768	1	-14.7	15.4	1	75	278	9	9,418	1	-43.5		1	86	271	20
		12,043	1	-58.1		1	95	265	30	13,845	3	-61.4		3	97	265	26	16,328	4	-67.0		5	97	267	14	20,571	10	-61.0		10	67	70	3	23,781	12	-56.2		12	96	68	7
MEXICO-SOUTHERN																																									
MERIDA AEROP. INTL.	2	1,014		18.7	0.9					1,521	0	13.9	7.3	4	62	151	3	3,137	0	6.1	11.0	4	61	249	3	5,819	0	-9.0	16.7	2	94	257	13	9,572	0	-36.2	11.5	1	97	261	26
		12,266	1	-55.8		1	98	256	32	14,056	1	-65.1		1	99	255	29	16,476	1	-73.1		1	99	258	23	20,548	1	-65.2		1	3	357	**	23,732	3	-56.8		3	30	43	1
GUATEMALA																																									
GUATEMALA/LA AURORA AP	2	852		14.0	1.8					1,519	1	13.6	1.7	1	98	11	4	3,139	1	6.7	6.1	1	58	67	3	5,840	1	-7.4	19.0	1	30	241	2	9,619	1	-34.3	15.0	3	88	266	12
		12,323	1	-56.1		3	97	246	19	14,104	2	-66.5		3	98	247	18	16,497	2	-77.4		3	94	258	10	20,518	9	-65.5		10	41	53	1	23,696	10	-57.5		11	87	79	10
ADJACENT ISLANDS																																									
NASSAU INTL.AP BAHAMAS	2	1,016		20.1	2.0					1,528	0	11.9	4.6	0	45	224	3	3,137	0	5.3	12.7	0	82	256	9	5,806	0	-11.2	13.9	0	92	258	16	9,523	0	-38.5	8.7	0	97	266	33
		12,194	0	-57.1		2	97	269	46	13,981	0	-64.7		1	98	271	38	16,408	0	-72.2		3	98	271	28	20,528	1	-64.2		3	55	40	3	23,721	3	-56.5		4	53	73	4
GUANTANAMO ORIENTE	2	1,012		22.2	4.7					1,537	16	14.8	4.4	16	88	98	4	3,160	16	7.5	14.7	16	20	119	1	5,855	16	-9.0	16.2	16	80	282	5	9,613	16	-35.7	12.4	16	90	278	14
		12,305	16	-56.7		16	95	281	27	14,082	16	-67.3		17	98	284	24	16,470	16	-76.7		18	95	285	14	20,490	19	-66.6		19	72	316	3	23,651	20	-57.3					
KINGSTON/NORMAN MANLEY, JAM.	2	1,013		24.7	5.0					1,513	0	14.6	3.7	1	93	101	6	3,135	0	7.6	11.5	3	62	102	3	5,834	0	-7.6	16.7	1	42	286	3	9,603	0	-35.4	13.4	2	92	279	16
		12,302	0	-56.5		2	96	265	25	14,078	0	-67.8		1	98	268	22	16,460	0	-77.3		1	96	275	14	20,480	0	-65.1		1	40	330	1	23,664	1	-57.1		2	80	70	5
PIARCO INT. AP, TRINIDAD	2	1,012		23.9	1.7					1,518	0	15.6	4.5	0	97	90	8	3,145	0	7.8	12.2	0	71	92	3	5,852	0	-6.0	19.8	0	41	66	2	9,662	1	-32.5	14.5	1	91	293	11
		12,384	2	-55.1		3	90	277	14	14,166	2	-67.4		3	94	289	14	16,537	3	-79.0		4	84	308	7	20,584	6	-63.0		7	47	72	2	23,775	7	-56.9		8	99	89	18
SOUTH AMERICA																																									
CHILE																																									
PUERTO MONTT /EL TEPUAL	2	1,004		10.4	1.8					1,463	4	5.8	5.1	8	71	270	7	3,035	4	-0.6	11.9	8	86	258	13	5,652	4	-15.7	13.1	6	88	257	21	9,312	4	-41.1	8.6	5	86	265	30
		11,976	4	-54.6		5	92	267	31	13,805	4	-57.1		7	95	264	26	16,348	4	-60.5		6	94	266	22	20,726	5	-54.0		9	64	298	5	24,041	14	-48.5		16	67	69	4
EUROPE																																									
ROMANIA																																									
CLUJ	1	971		-3.7	1.3					1,462	0	-5.3	2.6	0	70	180	4	2,964	0	-12.5	3.6	0	50	200	4	5,455	0	-28.5	4.4	0	50	240	6	8,890	0	-54.2	3.4	0	70	250	10
		11,469	0	-56.8	3.0	0	70	255	10	13,298	0	-55.3	3.3	0	80	265	11	15,869	0	-57.2	3.8	0	70	270	11	20,208	8	-60.1		8	70	275	13	23,384	17	-60.7		17	80	275	15
BUCURESTI/IMH	1	1,012		-1.0	1.0					1,472	0	-5.1	1.7	0	40	125	3	2,986	0	-10.8	3.9	0	55	210	4	5,491	0	-27.3	4.1	0	60	220	7	8,964	0	-23.3	3.4	0	70	245	11
		11,531	0	-56.9	4.1	0	80	250	14	13,360	0	-55.5	4.4	0	85	255	15	15,939	0	-57.1	4.9	0	85	255	16																
CONSTANTA	1	1,022		0.8	0.9					1,472	0	-4.7	2.7	0	40	90	2	2,982	0	-10.8	4.7	0	40	210	3	5,485	0	-28.0	4.3	0	60	230	5	8,968	0	-53.2	3.4	0	70	240	9
		11,518	0	-56.2	3.7	0	80	260	11	13,349	0	-53.4	6.0	0	80	260	12	15,918	0	-55.9	5.9	0	90	265	14	20,274	7	-60.0		7	90	265	17	23,489	13	-59.0		13	90	270	18
AFRICA																																									
OCEAN ISLANDS																																									
DIEGO GARCIA/MAURITIUS	2	1,005		27.4	3.0					1,465	10	17.7	3.4	10	96	294	11	3,106	10	9.6	6.4	10	89	293	9	5,827	12	-5.5	9.0	13	36	300	2	9,647	15	-31.1	12.1	15	69	105	4
		12,373	16	-55.1		18	91	117	10	14,176	19	-68.4		20				16,577	22	-76.3		23																			
AUSTRALASIA																																									
OCEAN SHIPS																																									
SHIP R	1	1,024		11.2	2.9					1,525	1	-0.9	4.8	0	52	278	7	3,069	1	-4.2	15.8	0	53	284	8	5,638	1	-21.0	14.6	0	64	282	13	9,198	1	-48.6		0	61	285	14
		11,751	1	-64.4		0	60	291	13	13,515	1	-62.4		0	72	288	13	16,014	2	-63.0		0	74	288	12	20,279	9	-64.8		4	79	282	15	23,407	16	-65.4		9	92	275	7

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							
			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
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
JANUARY 1980																																									
AUSTRALASIA																																									
AUSTRALIA NORTHEASTERN																																									
BRISBANE AIRPORT		1.010																																							

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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
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