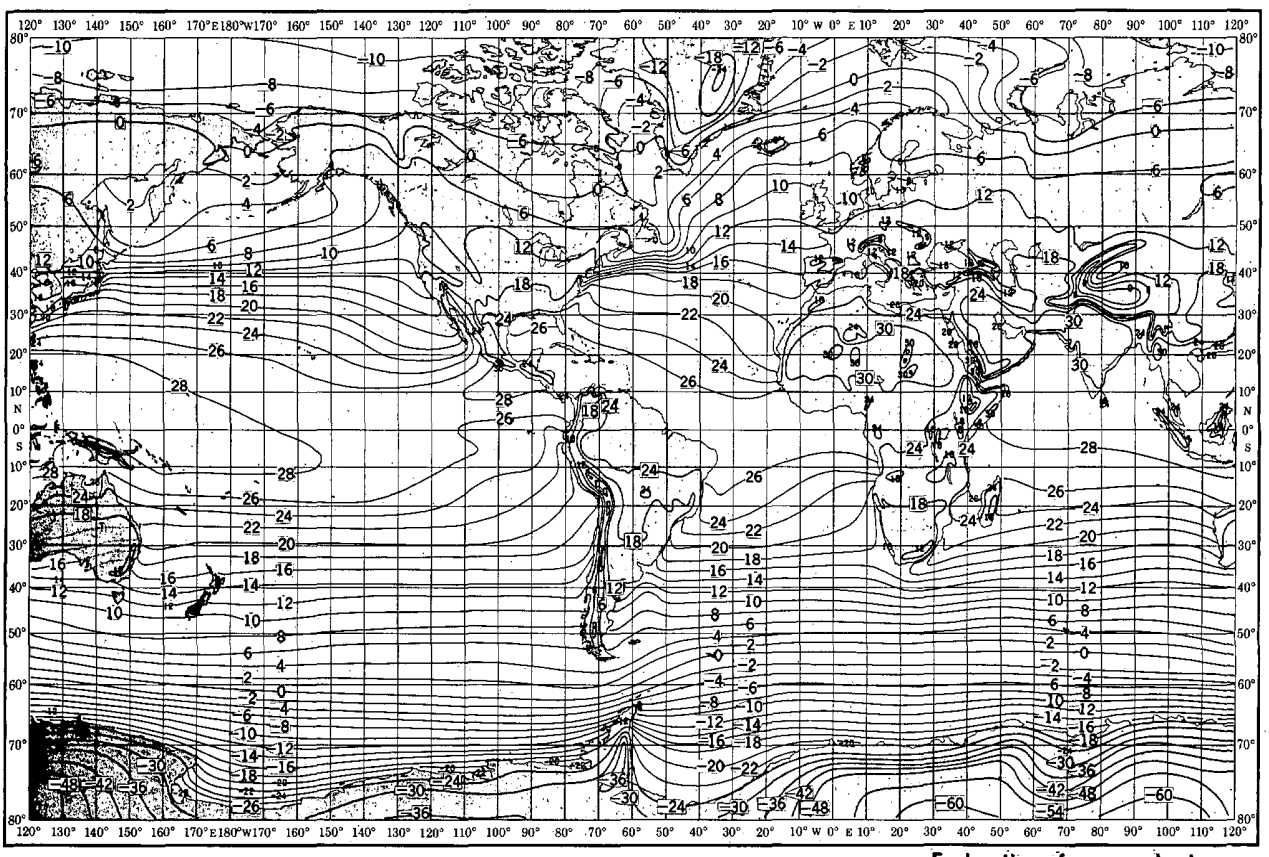
MAY 1984 VOLUME 37 NUMBER 5

MONTHLY CLIMATIC DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE WORLD METEOROLOGICAL ORGANIZATION

MAY LONG TERM MEAN SURFACE AIR TEMPERATURE (°C)



Explanation of map on back cover

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Kenneth D. Wadell

DIRECTOR
NATIONAL CLIMATIC DATA CENTER

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PREFACE

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

REFERENCE NOTES

SURFACE DATA TABLE

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

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

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

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

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

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

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

UPPER AIR DATA TABLE

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

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

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

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

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

Normals: Departures from normal are not shown for upper air data, but provisional normals can be obtained from WMO Pub No. 170.TP.84. A description of procedures used by Members appeared in Monthly Climatic Data for the World, 1967 Supplement --- Computation of Climat Temp Values.

Late Reports and Corrections: Carried in the first issue of this bulletin following their receipt. "M" indicates the data should be deleted.

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SURFACE DATA

MAY 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		%
NORTH AMERICA															
ALASKA															
BARROW	71 18 N	156 47 W	4	31	1015.2	1015.9	- 8.6	- 1.3	3.0		0	2	- 2	2	
BARTER ISLAND	70 08 N	143 38 W	15	31	1014.2	1016.3	- 6.7	- 0.5	3.3		1	5	- 4	2	
KOTZEBUE	66 52 N	162 38 W	5	31	1014.6	1015.3	- 4.4	- 4.2	3.7		6	16	+ 8	5	
NOME	64 30 N	165 26 W	7	31	1013.5	1014.4	- 0.5	- 2.6	4.3		4	11	- 2	3	148
FAIRBANKS	64 49 N	147 52 W	138	31	994.2	1011.4	8.4	- 0.6	6.6		5	30	+ 15	5	
MCGRATH	62 58 N	155 37 W	103	31	1000.3	1013.2	4.6	- 2.4	4.9		6	36	+ 18	5	
BETHEL	60 47 N	161 48 W	46	31	1012.8	1014.1	3.4	- 1.2	5.5		4	10	- 10	2	
ANCHORAGE	61 10 N	150 01 W	40	31	1006.8	1011.8	9.8	+ 1.9	5.9		4	24	+ 10	5	115
ST. PAUL	57 09 N	170 13 W	9	31	1012.9	1013.7	0.8	- 0.8	5.8		5	21	- 10	2	
COLD BAY	55 12 N	162 43 W	31	31	1008.5	1012.4	3.3	- 0.9	6.5		4	30	- 32	1	
KING SALMON	58 41 N	156 39 W	15	31	1009.1	1011.2	6.1	+ 0.4	6.1		4	27	- 3	3	
YAKUTAT	59 31 N	139 40 W	9	31	1011.9	1013.0	6.4	+ 0.4	7.2		11	125	-107	1	
JUNEAU	58 22 N	134 35 W	7	31	1012.5	1013.3	9.5	+ 1.4				47	- 40		
ANNETTE ISLAND	55 02 N	131 34 W	34	31	1010.3	1014.4	8.9	- 0.5	8.6		17	135	- 36	3	
CANADA-WESTERN															
MOULD BAY	76 14 N	119 20 W	15	31	1015.1	1016.7	- 8.4	+ 2.5	2.9	+0.5	5	13	+ 6		
SACHS HARBOUR	71 59 N	125 17 W	86	31	1006.6	1017.6	- 5.2	+ 2.1	3.9	+0.8	0	1	- 6		113
CAMBRIDGE BAY	69 06 N	105 07 W	27	31	1016.9	1020.5	- 6.2	+ 3.4	3.6	+0.8	0	T	- 8	1	
COPPERMINE	67 50 N	115 07 W	9	31	1016.0	1018.9	0.3	+ 6.0	4.9	+1.2	2	11	0	4	194
INUVIK	68 18 N	133 29 W	68	31	1006.9	1015.7	1.1	+ 1.9	4.6	+0.2	1	9	- 9		127
CONTWOYTO LAKE	65 29 N	110 22 W	451			U									
NORMAN WELLS	65 17 N	126 48 W	73	31	1003.9	1013.0	8.5	+ 3.4	5.8	-0.1	4	32	+ 17	5	127
WHITEHORSE	60 43 N	135 04 W	703	31	928.3	1012.1	6.8	- 0.3	5.5	+0.4	11	28	+ 14	5	87
CREE LAKE	57 21 N	107 08 W	499			U									
FORT NELSON	58 50 N	122 35 W	382	31	966.3	1012.5	9.0	- 0.7	6.4	-0.4	11	71	+ 33	5	
FORT SMITH	60 01 N	111 58 W	203	31	988.5	1013.3	8.0	+ 0.9	5.8	-0.3	7	19	- 6	2	97
PRINCE GEORGE	53 53 N	122 40 W	691	31	931.3	1013.4	7.8	- 1.6	6.5	-0.4	10	99	+ 57	5	91
EDMONTON	53 34 N	113 31 W	671	31	931.5	1010.6	9.7	- 1.2	7.3	+0.3	12	79	+ 42	5	73
EDMONTON STONY PLAIN	53 33 N	114 06 W	766			U									
THE PAS	53 58 N	101 06 W	271	31	980.3	1013.5	7.3	- 0.4	6.4	-0.7	7	55	+ 17	5	98
WINNIPEG INT. AP	49 54 N	97 14 W	239	31	984.2	1013.1	10.1	- 0.5	6.7	-1.2	5	30	- 27	2	119
REGINA	50 26 N	104 40 W	577	31	943.7	1012.4	10.3	- 0.3	6.2	-1.5	7	34	- 7	3	106
VERNON	50 14 N	119 17 W	555			U									
LETHBRIDGE	49 38 N	112 48 W	929	31	904.4	1011.8	10.6	- 0.3	6.1	-1.1	7	24	- 27	1	90
SANDSPIT	53 15 N	131 49 W	6	31	1012.7	1013.5	8.7	- 0.1	8.6	-0.6	17	131	+ 85	6	90
PORT HARDY	50 41 N	127 22 W	22	31	1013.8	1016.4	8.6	- 1.0	9.1	-0.3	23	187	+124	6	
VANCOUVER INT. AP	49 11 N	123 10 W	2	31	1017.1	1017.4	11.3	- 1.1	9.9	-0.7	15	111	+ 63	5	75
CANADA-EASTERN															
ALERT	82 30 N	62 20 W	63	31	1007.8	1016.6	-11.1	+ 0.1	2.3	+0.2	4	12	+ 1	4	
EUREKA	80 00 N	85 56 W	10	31	1014.3	1015.7	- 9.6	+ 0.5	2.7	+0.3	1	3	0	4	
RESOLUTE	74 43 N	94 59 W	67	31	1008.7	1017.6	- 9.7	+ 1.0	2.8	+0.4	2	4	- 5	1	117
CLYDE	70 27 N	68 33 W	6	31	1012.7	1016.0	- 8.7	- 1.8	2.7	-0.6	2	8	- 6		
HALL BEACH	68 47 N	81 15 W	8	31	1016.3	1017.4	- 8.5	+ 0.3	3.1	+0.2	0	2	- 14		
BAKER LAKE	64 18 N	96 00 W	13	31	1017.9	1020.3	- 4.9	+ 2.3	3.8	+0.5	1	3	- 6	1	
CORAL HARBOUR	64 12 N	83 22 W	64	31	1009.2	1018.0	- 5.3	+ 1.2	3.6	+0.1	2	7	- 11	2	
FROBISHER BAY	63 45 N	68 33 W	34	31	1010.3	1014.7	- 5.1	- 1.8	3.4	-0.7	7	55	+ 32	5	128
CHURCHILL	58 45 N	94 04 W	29	31	1013.8	1017.5	- 0.7	+ 1.6	4.6	0.0	6	30	+ 2		95
INOUCDJOUAC	58 27 N	78 07 W	5	31	1012.3	1012.7	0.4	+ 2.7	4.7	+0.1	6	22	0		170
FORT CHIMO	58 06 N	68 25 W	37	31	1007.8	1012.5	1.0	+ 0.9	4.7	-0.3	10	40	+ 9		
TROUT LAKE	53 50 N	89 52 W	220	31	987.8	1015.1	4.9	+ 1.3	5.4	-0.6	4	23	- 26	1	
NITCHEQUON	53 12 N	70 54 W	536	31	946.8	1011.7	2.9	+ 1.2	5.7	+0.4	14	92	+ 34	5	
MOOSONEE	51 16 N	80 39 W	10	31	1010.8	1012.1	4.9	- 0.5	6.4	-0.3	10	72	+ 2	3	113
KAPUSKASING	49 25 N	82 28 W	227	31	985.0	1012.7	7.0	- 0.8	6.0	-1.1	9	33	- 46	0	
GERALDTON	49 42 N	86 57 W	331			U									
SEPT-ILES	50 13 N	66 16 W	55	31	1005.3	1012.2	5.8	+ 0.1	6.4	-0.2	14	122	+ 40	5	70
GOOSE	53 19 N	60 25 W	49	31	1006.2	1012.2	5.8	+ 0.9	6.6	+0.7	15	90	+ 28	4	
NORTH BAY	46 22 N	79 25 W	371	31	968.3	1012.9	8.4	- 1.7	7.7	-0.4	13	115	+ 42	5	
MANIWAKI	46 23 N	75 58 W	170	31	991.3	1011.9	8.6	- 1.8	8.4	-0.4	11	112	+ 48		59
TORONTO/MALTON INT AP	43 41 N	79 38 W	173	31	992.8	1013.7	10.3	- 1.9	9.1	-0.7	11	103	+ 30	4	
MONTREAL/DORVAL INT AP	45 28 N	73 45 W	36	31	1007.7	1012.1	11.5	- 1.3	10.8	+1.2	11	118	+ 51	6	
BAGOTVILLE	48 20 N	71 00 W	159	31	992.6	1012.0	8.3	- 0.8	7.2	-0.2	15	103	+ 33	5	
CHATHAM	47 01 N	65 27 W	34	31	1008.1	1012.3	10.0	+ 0.5	8.6	+0.3	15	125	+ 45	5	82
STEPHENVILLE	48 32 N	58 33 W	26	31	1010.3	1013.5	9.2	+ 2.4	8.8	+1.3	11	86	+ 12		
GANDER INT AP	48 57 N	59 34 W	151	31	996.0	1014.5	8.9	+ 2.6	9.0	+1.8	16	92	+ 29	5	93
SHEARWATER	44 38 N	63 30 W	51	31	1008.0	1014.2	9.2	+ 0.2	9.1	+0.4	14	188	+ 78	5	77
SYDNEY	46 10 N	60 03 W	62	31	1006.5	1014.1	9.0	+ 1.3	8.7	+0.4	12	116	+ 16	4	96
SHELBURNE	43 43 N	65 15 W	30			U									
SABLE ISLAND	43 56 N	60 01 W	4	31	1015.2	1015.7	9.2	+ 2.5	10.4	+1.6	12	114	+ 21	4	90
ARGENTIA VTMS NFLD	47 18 N	54 00 W	15	31	1014.3	1016.2	7.0	+ 1.4	9.0	+1.3	14	143	+ 76		
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	1014.9	1015.5	6.1	+ 1.0	8.4	+1.1	13	155	+ 53	5	76
UNITED STATES-NORTHWEST															
QUILLAYUTE	47 57 N	124 33 W	62	31	1010.5	1018.2	9.7	- 0.9			21	268	+149	5	67
PORTLAND	45 36 N	122 36 W	12	31	1013.4	1019.1	13.6	- 0.1	10.2		12	87	+ 34	5	125
OLYMPIA	46 58 N	122 54 W	61	31	1010.8	1018.1	10.9	- 0.8	9.5		17	139	+ 92	6	
MEDFORD	42 22 N	122 52 W	405	31	970.5	1018.3	14.6	+ 0.4	9.0		3	10	- 20	2	
SPOKANE	47 38 N	117 32 W	721	31	947.2	1015.9	10.1	- 2.3	7.6		11	51	+ 16	5	95

SURFACE DATA

MAY 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	886.2	1013.1	10.9	- 0.9	5.0		6	34	- 30	2	89
SHERIDAN	44 46 N	106 58 W	1209	31	877.1	1013.5	11.6	- 0.1				39	- 22		121
BISMARCK	46 46 N	100 45 W	506	31	953.7	1014.3	11.1	- 1.6	6.8		2	7	- 50	0	110
RAPID CITY	44 03 N	103 04 W	966	31	900.3	1013.7	12.0	- 1.1	7.8		9	40	- 27	2	121
BOISE	43 34 N	116 13 W	871	31	920.0	1015.9	12.7	- 1.4	7.2		5	27	- 4	3	89
WINNEMUCCA	40 54 N	117 48 W	1322	31	867.8	1014.8	12.8	+ 0.2	6.1		3	36	+150	5	111
ELY	39 17 N	114 51 W	1909	31	809.3	1012.8	12.6	+ 2.5	5.8		3	9	- 19	1	114
SALT LAKE CITY	40 46 N	111 58 W	1288	31	867.1	1013.5	16.4	+ 1.5	9.0		5	30	- 8	3	106
GRAND JUNCTION	39 07 N	108 32 W	1475	31	858.1	1011.1	19.0	+ 2.3	6.7		5	14	- 5	3	116
DENVER	39 45 N	104 52 W	1625	31	836.8	1011.4	15.6	+ 1.6	7.5		2	17	- 46	1	113
NORTH PLATTE	41 08 N	100 41 W	849	31	915.9	1014.1	14.5	- 0.1	9.1		11	72	- 14	3	102
UNITED STATES-NORTHEAST															
INTERNATIONAL FALLS	48 34 N	93 23 W	361	31	972.2	1013.5	9.4	- 1.3	6.9		10	45	- 17	3	
DULUTH	46 50 N	92 11 W	432	31	972.5	1014.1	10.3	+ 0.1	7.3		10	46	- 34	2	100
ST. CLOUD	45 35 N	94 11 W	318	31	977.0	1015.1	12.6	- 0.6				51	- 31		
SAULT STE. MARIE	46 28 N	84 22 W	221	31	982.8	1013.6	8.6	- 1.2	7.9		7	29	- 44	1	93
BURLINGTON	44 28 N	73 09 W	104	31	998.5	1013.4	11.3	- 1.6	8.8		14	134	+ 59	5	64
CARIBOU	46 52 N	68 01 W	146	31	989.0	1012.3	9.6	- 0.5	7.6		14	145	+ 72	6	
DES MOINES	41 32 N	93 39 W	294	31	984.4	1015.5	14.8	- 1.9	10.9		10	142	+ 41	5	107
COLUMBIA	38 49 N	92 13 W	274	31	987.0	1015.4	16.0	- 1.8	13.1		9	88	- 26	2	92
CHICAGO O'HARE	41 59 N	87 54 W	205	31	990.5	1015.1	13.1	- 2.0	10.1		11	114	+ 34	5	
ST. LOUIS	38 45 N	90 23 W	172	31	995.3	1015.4	17.3	- 1.4			11	132	+ 42	4	92
DAYTON	39 54 N	84 13 W	306	31	983.2	1015.6	14.0	- 2.6	9.9		14	109	+ 15	4	85
COLUMBUS	40 00 N	82 53 W	254	31	985.4	1015.9	14.2	- 2.1	10.6		10	125	+ 30	4	73
BUFFALO	42 56 N	78 44 W	215	31	986.3	1014.3	11.6	- 1.8				119	+ 45		76
NEW YORK LA GUARDIA	40 46 N	73 54 W	9	31	1003.0	1014.4	16.3	- 0.2			12	235	+148	6	
BOSTON	42 22 N	71 02 W	9	31	1008.9	1013.4	14.4	- 0.3	11.4		17	223	+133	5	102
BLUE HILL OBS	42 13 N	71 07 W	195	31			13.4	- 0.3	10.6		16	232	+139	5	100
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	1011.2	1015.2	18.3	- 0.6	13.6		9	97	+ 8	4	91
UNITED STATES-SOUTHWEST															
SACRAMENTO	38 31 N	121 30 W	8	31	1012.0	1014.5	21.1	+ 2.8				0	- 8		113
SAN FRANCISCO	37 37 N	122 23 W	5	31	1016.3	1017.0	16.6	+ 2.3	10.5		0	T	- 8	1	
OAKLAND	37 44 N	122 12 W	3			U									
SANTA MARIA	34 54 N	120 27 W	73	31	1006.3	1015.0	16.3	+ 2.5	10.3		0	T	- 6	1	
SAN DIEGO	32 44 N	117 10 W	9	31		1013.5	20.1	+ 2.7	17.3		0	0	- 6	2	122
LAS VEGAS	36 05 N	115 10 W	664	31	944.6	1009.2	27.1	+ 4.2	4.7		0	0	- 5	3	111
PHOENIX	33 26 N	112 01 W	337	31	970.9	1008.9	30.6	+ 5.6			1	5	+ 1	4	101
EL PASO	31 48 N	106 24 W	1194	31	885.1	1009.6	23.9	+ 1.7			3	15	+ 9	5	103
ALBUQUERQUE	35 03 N	106 37 W	1620	31	847.3	1009.9	21.1	+ 3.2	6.1		1	4	- 8	2	111
WICHITA	37 39 N	97 25 W	408	31	966.6	1014.8	17.6	- 1.2	13.8		5	29	- 70	1	102
OKLAHOMA CITY/W ROGERS WORLD	35 24 N	97 36 W	397	31	971.3	1013.9	20.2	0.0	14.3		5	41	- 99	1	128
NORMAN	35 14 N	97 28 W	362			U									
ABILENE	32 26 N	99 41 W	534	31	952.3	1012.2	24.1	+ 1.6	12.8		4	11	- 72	1	122
SAN ANTONIO	29 32 N	98 28 W	242	31	982.3	1013.3	25.1	+ 0.9	17.3		5	96	+ 2	4	111
VICTORIA	28 51 N	96 55 W	36			U									
BROWNSVILLE	25 54 N	97 26 W	6	31	1010.9	1013.0	26.3	+ 0.1	24.3		5	157	+102	5	85
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			20.2	- 1.1	16.0		11	205	+ 78	5	115
LONGVIEW	32 21 N	94 39 W	124			U									
NASHVILLE	36 07 N	86 41 W	184	31	997.7	1017.2	17.9	- 2.2	14.6		6	246	+130	6	89
ASHEVILLE	35 26 N	82 32 W	661	31	939.0	1017.6	15.5	- 1.9	13.3		11	168	+ 62	4	111
ATLANTA	33 39 N	84 26 W	315	31	975.6	1017.1	19.7	- 1.0	15.7		8	167	+ 65	5	113
WAYCROSS	31 15 N	82 24 W	46			U									
CAPE HATTERAS	35 16 N	75 33 W	3	31	1016.9	1017.3	20.1	+ 0.7	17.6		15	185	+ 81	5	111
CHARLESTON	32 54 N	80 02 W	15	31	1016.3	1018.1	22.1	- 0.2	18.8		10	175	+ 63	5	101
NEW ORLEANS	29 59 N	90 15 W	9	31	1014.8	1016.6	23.2	- 0.6			5	90	- 39	3	
BOOTHVILLE	29 20 N	89 24 W	0			U									
JACKSONVILLE	30 30 N	81 42 W	9	31	1016.7	1018.1	22.9	- 0.5	19.9		6	37	- 88	2	87
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	1016.4	1017.3	25.1	- 0.7	22.8		11	277	+111	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		1009.1	1010.7	26.7		17.3		0	0			
LA PAZ	24 10 N	110 21 W	18		1008.5	1011.9	25.8		19.3		0	0			
MONTERREY	25 40 N	100 18 W	534		998.4	1011.5	26.1		18.0		8	83		5	75
MONTERREY AEROP. INTL	25 52 N	100 14 W	423			U									
CHIHUAHUA UNIV. DE	28 38 N	106 04 W	1428			1007.4	23.5		9.0		9	48			
TORREON	25 32 N	103 27 W	1150		888.0	1006.8	27.4		12.7		3	7		0	
ZACATECAS	22 47 N	102 35 W	2612		747.7	1008.9	11.5		7.3		9	15		5	
GUANAJUATO	21 01 N	101 15 W	2037		803.2	1007.0	20.0		16.8		6	26		3	115
GUADALAJARA	20 41 N	103 20 W	1551		845.5	1006.7	23.3		15.9		3	11		2	100

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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		1010.2	1010.6	27.1		26.8		1	2		5	
ACAPULCO	16 50 N	99 55 W	3		1009.8	1009.8	28.6		28.5		2	7		0	150
TAPACHULA	14 55 N	92 16 W	168		994.4	1007.3	26.7		27.0		19	284		3	100
VERACRUZ, YLANG YLANG	19 09 N	96 07 W	13		1005.4	1009.4	27.6		27.3		10	194		5	110
COATZACOALCOS	18 09 N	94 25 W	14		1009.1	1012.1	28.0		27.1		11	440			
MERIDA AEROP. INTL.	20 57 N	89 40 W	11		1010.1	1011.1	27.9		25.8		11	238		6	85
SOCORRO IS	18 14 N	111 03 W	35			U									
MORELIA	19 42 N	101 11 W	1923		811.0	1007.5	20.0		10.8		6	70		4	160
MEXICO CITY INT.AP, D.F.	19 26 N	99 04 W	2234			U									
MEXICO (CENTRAL) D.F.	19 26 N	99 08 W			774.5	1007.7	17.0		9.6		11	46		3	110
OAXACA	17 04 N	96 43 W	1563		845.1	1010.5	21.1		16.6		16	151		5	150
LAS CASAS	16 44 N	92 38 W	2128		794.0	1012.0	15.2		15.5		18	279		5	85
HONDURAS															
SANTA ROSA DE COPAN	14 47 N	88 48 W	1080		893.1	1010.1	21.2		20.7		21	257			
TEGUCIGALPA	14 02 N	87 15 W	998		901.5	1010.3	23.8		19.6		5	149		3	85
AMAPALA	13 17 N	87 38 W	5		1011.8	1012.3	29.4		29.2		15	294			
CHOLUTECA	13 18 N	87 11 W	48		1004.6	1010.4	29.9		27.7		15	160			95
LA MESA INTL. AIRPORT	15 27 N	87 56 W	31		1007.6	1011.2	28.6		35.7		7	57			
CATACAMAS	14 54 N	85 56 W	442		962.5	1011.8	27.8		24.1		14	94			
TELA	15 42 N	87 28 W	3		1008.6	1009.2	28.0				14	128		4	
CEIBA	15 45 N	86 51 W	26		1009.6	1012.5	28.2		28.8		14	271		5	
GUANAJA	16 28 N	85 54 W	2		1011.1	1011.1	29.2		30.4		4	35			
PUERTO LEMPIRA	15 13 N	83 47 W	13		1010.5	1011.8	28.8		31.5		13	24		1	
BELIZE															
BELIZE INTL. AIRPORT	17 32 N	88 18 W	5		1011.0	1011.5	27.7		29.9		14	206			44
COSTA RICA															
JUAN SANTAMARIA	09 59 N	84 13 W	939	31	909.8	1011.0	21.9	- 0.2	20.0	-1.6	20	331	+ 60	5	
PUERTO LIMON	10 00 N	83 03 W	5	31	1010.4	1010.4	25.2	- 1.0	28.3	-1.0	21	516	+234	5	95
PUNTARENAS	09 58 N	84 50 W	3	31	1009.9	1009.9	27.6	- 0.2	30.9	+0.4	16	344	+158	4	90
ADJACENT ISLANDS															
NASSAU INTL.AP BAHAMAS	25 03 N	77 28 W	7	31	1016.9	1017.7	25.5	+ 0.4	24.3	-0.4	9	125	+ 2	3	94
GRAND CAYMAN, B.W.I.	19 15 N	81 25 W	6			U									
SANGSTER INT. AP, JAMAICA	18 30 N	77 55 W	8		1013.0	1013.9	27.1		26.7		10	162			110
KINGSTON/NORMAN MANLEY, JAM.	17 56 N	76 47 W	14		1012.7	1014.3	27.5		25.5		3	29		2	100
SAN JUAN/INT., P.R.	18 26 N	66 00 W	19	31	1013.2	1016.2	27.3	+ 0.5	18.5		12	95	- 48	2	121
JULIANA AP, ST. MAARTEN	18 03 N	63 07 W	12			U									
RAIZET, GUADELOUPE	16 16 N	61 31 W	8	31	1014.0	1015.0	26.3	+ 0.2	25.7	-0.4	15	82	- 63	2	100
LAMENTIN/MARTINIQUE	14 36 N	61 00 W	144	31	1013.7	1014.5	26.5	+ 0.2	27.1	+0.1	13	70	- 59	2	108
GRANTLEY ADAMS AP,BARBADOS	13 04 N	59 29 W	56	31	1008.4	1014.3	26.7	- 0.3	25.8	-0.5	12	45	- 19		92
CROWN POINT AP, TOBAGO	11 09 N	60 50 W	6	31	1012.5	1013.3	27.0		26.9		12	58			
PIARCO INT. AP, TRINIDAD	10 37 N	61 21 W	15		1011.5	1013.1	26.5	- 0.1	26.4	-0.9	17	87	- 32	3	95
DR.A. PLESMAN AP,CURACAO	12 12 N	68 58 W	17	31	1011.2	1012.1	28.2	+ 0.4	28.3	-0.3	0	2	- 18	2	134
SAN ANDRES,COLOMBIA	12 35 N	81 42 W	4	31		1011.5	27.6		29.7		4	37			
PROVIDENCIA,COLOMBIA	13 22 N	81 22 W	6	31			27.7		29.6		10	51			
DOMINICAN REPUBLIC															
PUERTO PLATA	19 47 N	70 40 W	6								9	87			
SANTO DOMINGO	18 28 N	69 53 W	14		1013.2	1015.1	26.8		26.9		9	121		2	
SOUTH AMERICA															
VENEZUELA															
MARACAIBO-LA CHINITA	10 34 N	71 44 W	65	31	1002.4	1009.9	28.4	+ 0.2	27.5		2	6	- 56		130
LA CANADA(MARACAIBO)	10 31 N	71 39 W	26			U									
MARACAY-B.A. SUCRE	10 15 N	67 39 W	443	31	961.0	1009.3	26.3	+ 0.5	22.7		2	8	- 92		119
CARACAS/LA CARLOTA	10 30 N	66 53 W	835	31	919.6	1518 Y	22.9	- 0.3	21.6		10	25	- 39		100
BARCELONA	10 07 N	64 41 W	7	31	1013.4	1014.2	28.2	+ 0.4	26.1		2	31	- 7		99
CIUDAD BOLIVAR	08 09 N	63 33 W	55	31	1004.4	1009.6	28.2	- 0.1	24.5		5	40	- 64		100
SAN ANTONIO DEL TACHIRA	07 51 N	72 27 W	405	31	978.6	1010.7	25.4	- 1.4	25.0		9	50	- 24		104
MERIDA	08 36 N	71 11 W	1498	31	852.2	1519 Y	19.5	0.0	17.7		18	198	- 40		105
SAN FERNANDO DE APURE	07 54 N	67 25 W	74	31	1005.8	1011.3	28.5	+ 1.2	30.0		4	115	- 45		116
SANTA ELENA DE UAIREN	04 36 N	61 07 W	907	31	913.2	1495 Y	20.6	- 1.0	20.5		23	18	-193		89
SURINAM															
ZANDERIJ	05 27 N	55 12 W	16			1011.9	25.8		20.7		8	298			
FRENCH GUIANA															
CAYENNE/ROCHAMBEAU	04 50 N	52 22 W	9	31	1011.0	1012.1	25.0	- 0.5	28.5	-0.3	27	1020	+434	6	60
COLOMBIA															
SANTA MARTA/SIMON BOLIVAR	11 07 N	74 14 W	4	31			28.9		26.6		2	3			
CARTAGENA/CRESPO	10 27 N	75 31 W	2	31		1009.2	27.6		29.7		7	50			
BARRANQUILLA	10 53 N	74 46 W	14	31		1009.4	27.9		29.7		4	99			
TUMACO/EL MIRA	01 38 N	78 46 W	16	31			25.8		28.0		21	511			
CUCUTA/CAMILO DAZA	07 55 N	72 33 W	309	31			27.1		26.2		5	27			
BARRANCABERMEJA/YARIGUIES	07 01 N	73 46 W	126	31			26.8		29.1		15	491			
BUCARAMANGA/PALONEGRO	07 08 N	73 11 W	1190	31			21.0		21.7		10	157			
PEREIRA	04 48 N	75 45 W	1349	31	865.8		20.7		20.8		18	208			

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	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SOUTH AMERICA															
COLOMBIA															
MEDELLIN/OLAYA HERRERA	06 13 N	75 36 W	1498	31	850.6		21.5		17.8		23	206			
BOGOTA/EL DORADO	04 42 N	74 08 W	2547	31	753.8		13.8		12.7		16	118			
IPIALES/SAN LUIS	00 50 N	77 40 W	2962	30			11.1		11.1		15	103			
CALI/PALMASECA	03 24 N	76 24 W	969		906.1		22.4		21.0		16	87			
GIRARDOT/SANTIAGO VILA	04 17 N	74 48 W	286				27.6		27.0		18	241			
VILLAVICENCIO/VANGUARDIA	04 09 N	73 34 W	431	31			25.1		24.4		23	416			
GAVIOTAS/VICHADA	04 28 N	70 44 W	183	31	983.2		25.9		28.0		15	180			
NEIVA/LA MANGUITA	02 58 N	75 18 W	439	31			26.7		25.4		15	217			
LETICIA/VASQUEZ COBO	04 10 S	69 75 W	84	31			26.4		29.1		18	198			
ECUADOR															
IZOBAMBA-SANTA CATALINA	00 22 S	78 33 W	3058	31	787.2		11.0	- 0.8	11.0	+0.2	24	174	+ 31	4	90
PORT VIEJO-GRANJA	01 02 S	80 26 W	44	31			24.2	- 1.4	23.5	-1.1	4	1	- 22	1	115
PICHILINGUE	01 06 S	79 28 W	73		1002.4		24.5	- 0.8	27.4	+0.4	8	8	-138	1	
AMBATO-GRANJA	01 15 S	78 37 W	2680	31			14.2	+ 0.3	11.8		17	58	+ 18	4	
EL PUYO	01 30 S	77 57 W	950	31			20.8	- 0.1	22.3	+0.7	28	344	- 54	2	145
MILAGRO	02 07 S	79 36 W	13	31			24.9	- 1.0	26.2	-0.4	6	9	- 60	1	125
CANAR	02 33 S	78 56 W	3120	31			10.0	- 1.5	11.2	+0.7	18	64	+ 31	5	95
LOJA/LA ARGELIA	04 02 S	79 12 W	2040	31			15.5	- 0.4	13.3	+0.6	16	57	+ 7	4	105
PERU															
TUMBES	03 33 S	80 24 W	27		1007.5	1009.6	25.7		25.3		0	0		1	
TALARA	04 34 S	81 15 W	90		1002.0	1012.1			18.3		0	0		5	
CHICLAYO	06 47 S	79 50 W	37		1009.2	1012.4	20.7		18.5		2	2		5	
TRUJILLO	08 06 S	79 02 W	30		1010.4	1013.4	18.5		18.3		0	0		5	
CHIMBOTE	09 10 S	78 31 W	09		1011.3	1012.5	19.2		15.3		0	0		3	
LIMA-CALLAO/INTL AP/	12 00 S	77 07 W	11		1011.5	1013.2	18.5		18.3		0	T		2	
PISCO	13 45 S	76 17 W	7		1010.4	1011.1	18.7		17.3		0	0		5	
SAN JUAN	15 23 S	75 10 W	31		1007.0	1014.0	18.7		16.2		0	0		4	
PIURA	05 11 S	80 36 W	55		1008.3	1014.7	23.0		19.6		0	0		4	
YURIMAGUAS	05 54 S	76 05 W	184		992.7	1013.7	26.9		28.0		10	259		5	
CHACHAPOYAS	06 13 S	77 50 W	2435				15.5		10.5		15	170		4	
HUANUCO	09 54 S	75 25 W	1858				21.0		17.4		5	32		4	
HUMANGA/AYACUCHO/	13 09 S	74 13 W	2761				13.8		10.6		1	3		1	
CUZCO	13 33 S	71 59 W	3312				11.3		8.0		0	0		1	
AREQUIPA	16 19 S	71 33 W	2525				13.5		6.9		0	0		5	
JULIACA	14 30 S	70 09 W	3823				9.9		6.1		3	20		3	
TACNA	18 04 S	70 18 W	458		964.6	1018.1	16.2		16.0		0	0		4	
TARAPOTO	06 27 S	76 23 W	313		981.4	1016.4	27.5		26.4		6	111		3	
JUANJUI	07 13 S	76 43 W	350		978.5	1017.4	27.5		26.4		6	171		4	
TINGO MARIA	09 08 S	77 53 W	670		938.0	1009.6	25.4		24.9		19	113		2	
PUCALLPA	08 25 S	74 36 W	150		993.2	1010.2	25.6		27.8		8	54		2	
PUERTO MALDONADO	12 38 S	69 12 W	256		987.5	1016.7	24.0		26.5		5	27		1	
BOLIVIA															
COBIJA	11 04 S	68 44 W	260	25		1009.3	26.9	+ 2.9			2	9	- 68		
RURRENABAQUE	14 28 S	67 35 W	200	28		1009.6	28.0	+ 4.0			10	77	- 41		
TRINIDAD	14 45 S	64 48 W	236	28		1010.2	27.2	+ 2.2			1	5	- 79		
CONCEPCION	16 15 S	62 03 W	490	28		1011.8	24.3	+ 2.3			3	11	- 47		
SAN IGNACIO DE VELASCO	16 22 S	60 59 W	370	28		1009.6	25.3	+ 3.3			2	8	- 44		
SANTA CRUZ	17 47 S	63 10 W	437	30		1008.8	24.4	+ 2.4			9	34	- 29		
ROBORE	18 20 S	59 45 W	300	28		1009.3	26.4	+ 2.4			5	25	- 41		
POTOSI	19 35 S	65 45 W	4002	27	633.8		11.2	+ 3.2			0	0	- 5		
CAMIRI	20 06 S	63 33 W	792	30		1005	22.5	+ 2.5			5	9	- 14		
TARIJA	21 32 S	64 47 W	1905	30	811		20.4	+ 4.4			0	0	- 2		
YACUIBA	22 01 S	63 43 W	580	30		1010	19.6	+ 0.6			16	88	+ 60		
EL ALTO	16 30 S	68 11 W	4050	30	627.8		9.6	+ 2.6			1	3	- 10		
ORURO	17 58 S	67 07 W	3706	28	653.4		10.5	+ 2.5			0	0	- 4		
COCHABAMBA	17 23 S	66 10 W	2570	30	748.5		18.3	+ 2.3			1	1	- 4		
SUCRE	19 03 S	65 10 W	2850	30	719.6		17.3	+ 3.3			0	0	- 7		
PUERTO SUAREZ	18 57 S	57 52 W	154	28		1016.1	26.3	+ 3.3			3	61	+ 13		
BRAZIL-NORTHERN															
MANAUS AERO PONTA PELADA	03 09 S	59 59 W	84			U									
PORTO VELHO/AEROPORTO	08 46 S	63 55 W	105				25.7	+ 0.5	30.0	+3.1	14	102	- 6	3	
VILHENA /AEROPORTO/	12 44 S	60 08 W	652			U									
SAO FELIX DO XINGU	06 38 S	51 59 W	150	31	989.2	1010.4	25.5		27.9		12	110			
BELEM	01 28 S	48 29 W	24	31	1009.9	1010.7	25.5	- 0.5	30.3	+1.1	25	519	+255	5	
BELEM/AERO VAL DE CAS	01 23 S	48 29 W	16			U									
SAO LUIZ	02 32 S	44 17 W	51	31	1005.0	1010.5	25.3		29.6		26	454		5	
FORTALEZA	03 43 S	38 33 W		31	1007.7	1010.7	25.9		28.9		23	444		5	
CEARA-MIRIM	05 39 S	35 25 W	64	31	1003.7	1011.0	25.8	- 0.2	28.1	+0.9	24	442	+179	6	
NATAL /AUGUSTO SEVERO/	05 55 S	35 15 W	49			U									
CAROLINA	07 20 S	47 28 W	183	31	988.9	1012.8	25.7		26.2		7	80		4	
BARRA DO CORDA	05 30 S	45 16 W	82	31	992.1	1011.9	25.1	- 0.1	28.3	+1.7	3	17	- 36	1	
FLORIANO	06 46 S	43 01 W	110	31	996.2	1012.0	26.0		25.6		1	6			
QUIXERAMOBIM	05 12 S	39 18 W	199		986.6	1010.4	25.0	- 1.7	26.1	+1.2	17	192	+ 91	5	
PORTO NACIONAL	10 42 S	48 25 W	238	31	984.0	1010.7			26.3	+1.8	3	15	- 22	2	
BOM JESUS DA LAPA	13 16 S	43 25 W	440	31	962.0	1013.0	24.8		20.5		4	83			
PETROLINA	09 23 S	40 30 W	370	31	970.1	1011.6	25.1		21.4		7	22			
RECIFE /CURADO/	08 04 S	34 51 W	19	31	1011.3	1012.2	25.5	- 0.1	28.5	+1.7	25	540	+205	5	
ARACAJU	10 55 S	37 03 W	6	31	1011.0	1011.7	28.2	+ 2.8	26.2	-0.2	21	179	- 84	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		%
SOUTH AMERICA															
BRAZIL-NORTHERN															
SALVADOR (OLINDA)	13 00 S	38 31 W	51	31	1006.4	1012.4	25.4	+ 0.5	27.2	+0.9	23	356	+ 63	4	
BRAZIL SOUTHERN															
CUIABA	15 36 S	56 06 W	165	31	994.3	1011.7	25.1	+ 0.8	25.8	+2.1	5	103	+ 51	5	
PONTA PORA	22 32 S	55 44 W	650	31	935.6	1013.0	19.2	+ 2.1	19.1	+3.6	8	10	-109	0	
CAMPO GRANDE	20 28 S	54 40 W	567	31	953.3	1012.5	22.1	+ 1.8	20.5	+2.2	5	42	- 39	2	
TRES LAGOAS	20 47 S	51 42 W	314	31	977.0	1012.4	22.8	+ 2.5	21.9	+2.9	3	26	- 37	2	
MONTES CLAROS	16 44 S	43 52 W		31	941.4	1013.3	22.3		17.4		0	0		3	
BRASILIA/CRUZEIRO/	15 46 S	47 56 W	1161	31	886.8	1011.7	21.0		15.5		1	2			
BRASILIA/AEROPORTO/	15 52 S	47 56 W	1061			U									
ARAXA	19 34 S	46 58 W	950	31	901.6	1014.0	21.3	+ 2.9	18.0	+2.2	7	45	+ 2	4	
BELO HORIZONTE	19 50 S	43 56 W	915	31	919.9	1014.1	22.1	+ 3.0	19.4	+3.4	1	8	- 14	3	
CARAVELAS	17 44 S	39 15 W	4	31	1014.2	1014.7	24.4	+ 1.5	23.6	0.0	6	11	-130	0	
CORUMBA	19 01 S	57 40 W	140	31	994.7	1012.2	24.7	+ 1.6	25.8	+4.2	3	23	- 39	2	
TRINIDADE/ILHA/	20 30 S	29 19 W	21		1017.1	1017.6	26.3		24.1		2	4			
JUIZ DE FORA	21 46 S	43 21 W	683	31	912.1	1015.9	19.6		18.3		5	113		5	
RIO DE JANEIRO	22 54 S	43 10 W	26	31	1014.0	1014.4	24.7	+ 2.4	25.7	+4.2	3	62	- 11	3	
RIO DE JANEIRO/AERO GALEAO	22 49 S	43 15 W	6			U									
LONDRINA	23 23 S	51 11 W	566	31	948.8	1013.3	20.4		19.1		6	54			
SAO PAULO	23 30 S	46 37 W	795	31	925.0	1013.8	20.0	+ 2.7	18.2	+1.8	7	113	+ 65	5	
SAO PAULO(AEROPORTO)	23 37 S	46 39 W	803			U									
CURITIBA	25 26 S	49 14 W	949	31	912.1	1015.0	16.7	+ 2.2	16.6	+2.9	10	140	+ 55	5	
CURITIBA/AERO AFONSO PENA	25 31 S	49 10 W	908			U									
FLORIANOPOLIS (AEROPORTO)	27 40 S	48 33 W	5	31	1013.4	1013.6	19.9		20.6		9	90		3	
ALEGRETE	29 47 S	55 47 W	103	31	997.3	1011.8			17.8	+3.6	15	509	+360	6	
IGUAPE	24 43 S	47 33 W	4	31	1013.5	1014.0	21.4		23.2		10	112		3	
PORTO ALEGRE	30 05 S	51 11 W	7	31	1008.0	1013.7	17.8	+ 0.7	17.5	+1.8	13	269	+154	5	
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	1008.4	1013.0	14.1	- 0.2	14.3	+0.4	11	163	+ 57	4	
CHILE															
ARICA/CHACALLUTA	18 22 S	70 21 W	35	31	1008.6	1016.1	18.0	- 0.7	14.9	-1.9	0	0	0	5	
ANTOFAGASTA/CERRO MORENO	23 28 S	70 26 W	122	31	1001.7	1016.0	14.5	- 0.6	13.0	-0.2	0	T	0	5	
ISLA DE PASCUA/MATAVERI	27 10 S	109 26 W	41	31	1012.6	1018.2	20.0	+ 0.1	19.4	-0.3	17	460	+343	5	
JUAN FERNANDEZ	33 37 S	78 50 W	6	31	1014.0	1017.6	14.8	- 0.5	10.4	-3.2	19	181	+ 37	4	
LA SERENA	29 54 S	71 15 W	32	31	999.5	1016.7	11.0	- 2.4	10.9	-1.7	0	0	- 23	1	
QUINTERO	32 47 S	71 32 W	2	31			14.7	+ 2.8			7	106	+ 68	5	
PUNTA ANGELES	33 01 S	71 39 W	41	31	1014.2	1017.0	12.0	- 1.0	11.9	-0.1	8	108	+ 35	2	
SANTIAGO/PUDAHUEL	33 26 S	70 50 W	480	31	961.7	1018.1	8.0	- 2.9	9.0	-1.6	5	61	- 4	3	
VALDIVIA/PICHOY	39 37 S	73 04 W	53	31	1011.5	1013.8	8.1	- 1.6	9.6	-1.6	22	338	- 38	3	
PUERTO MONTT /EL TEPUAL	41 26 S	73 07 W	110	31	1003.6	1014.0	7.2	- 2.4	9.1	-2.0	27	208	- 21	3	
ISLA GUAFA	43 34 S	74 44 W	140	31	995.0	1010.9	7.9	- 1.4	9.7	-0.6	19	105	-126	1	
PUNTA ARENAS/CARLOS IBANEZ	53 02 S	70 51 W	33	31	993.3	997.8	0.3	- 3.9	5.1	-1.5	7	24	- 62	2	
PARAGUAY															
MARISCAL ESTIGARRIBIA	22 01 S	60 36 W	181	31	992.5	1013.3	22.8	+ 0.8	19.1	-2.5	3	16	- 26	2	
PUERTO CASADO	22 27 S	57 52 W	87	31	1003.2	1013.4	23.5	+ 1.2	20.5	+0.8	2	62	- 14	1	
CONCEPCION /PISTA/	23 27 S	57 16 W	95	31	1003.1	1013.0	22.2	+ 1.8	21.2	+2.7	3	21	- 94	1	
PTC STROESSNER/AERO	25 16 S	57 38 W	101	31	1002.1	1012.9	21.8	+ 0.8	20.2	+2.3	3	47	- 70	2	
VILLARRICA	25 45 S	56 26 W	155	31	995.2	1013.9	21.3	+ 1.9	19.5	+2.2	5	44	- 85	1	
PILAR	26 51 S	58 19 W	55	31	1006.9	1013.5	21.2	+ 1.6	20.8	+3.9	7	233	+137	5	
ENCARNACION	27 20 S	55 50 W	80	31	1004.6	1013.9	19.7	+ 1.6	18.5	+1.8	7	219	+ 74	5	
ARGENTINA-SOUTHERN															
COMANDANTE ESPORA B.N.	38 44 S	62 10 W	74			U									
RIO GALLEGOS E.N.	51 38 S	69 13 W	27			U									
URUGUAY															
SALTO	31 23 S	57 58 W	46	31	1008.1	1011.9	16.5	+ 1.0	10.5	-2.3	8	161	+ 78	5	
MELO	32 25 S	54 20 W	93	31	1000.1	1012.3	14.5	- 0.1	14.5	+0.6	8	240	+144	6	
PASO DE LOS TOROS	32 46 S	56 32 W	79	31	1002.7	1011.7	14.5	+ 0.4	13.2	-0.7	8	111	+ 22	4	
MERCEDES	33 15 S	58 04 W	22	31	1009.7	1011.8	14.7	0.0	13.1	-0.1	7	91	+ 20	4	
TREINTA Y TRES	33 11 S	54 21 W	44	31	1006.4	1012.0	14.3	- 0.5	13.6	+0.9	10	177	+ 98	5	
COLONIA	34 28 S	57 51 W	20	31	1008.5	1011.3	13.8	- 1.3	11.7	-1.8	9	103	+ 6	4	
MONTEVIDEO/PRADO	34 52 S	56 12 W	22	31	1009.3	1011.3	13.5	- 0.2	12.3	-0.6	10	160	+ 65	4	
PUNTA DEL ESTE	34 58 S	54 57 W	16	31	1009.4	1011.4	15.4	+ 0.6	12.7	-1.6	10	205	+123	5	
ROCHA	34 30 S	54 20 W	22	31	1009.9	1012.0	13.3	- 0.6	12.6	-1.5	8	126	+ 57	5	
ANTARCTICA															
BELLINGSHAUSEN	62 12 S	58 56 W	16		991.4	993.4	- 6.2		3.6		14	40			
RUSSKAYA	74 42 S	136 51 E	100		967.3	983.5	-14.7		1.9		16	345			
CENT.MET.ANT.PDTE.ED.FREI	62 25 S	58 53 W	10	31	993.6	994.1	- 6.2		3.3		9	33			
B.A. ARTURO PRAT	62 30 S	59 41 W	5	31	993.1	993.7	- 5.3		3.6		1	4			
B.A. BERNARDO O'HIGGINS	63 19 S	57 54 W	10	31	990.4	991.7	- 8.2		3.0		6	26			
S.A.N.A.E. STATION	70 19 S	02 21 W	52	31	982.8	990.0	-18.9		0.8						
NOVOLAZAREVSKAJA	70 46 S	11 50 E	87			993.7	-12.0				3	8			
SYOWA	69 00 S	39 35 E	15		989.0	991.7	-11.3		1.8						
MOLODEZNAJA	67 40 S	45 51 E	40		986.3	991.0	-12.4		2.0		10	69			
MAWSON	67 36 S	62 53 E	16		993.0	994.7	-14.2	- 1.6	1.0						
DAVIS	68 35 S	77 59 E	15		989.9	991.6	-14.4	- 1.1	1.1			1			
MIRNYJ	66 33 S	93 01 E	30		980.1	987.0	-13.2				8	24			
CASEY	66 16 S	110 38 E	11		983.3	985.3	- 8.3	- 5.7	2.3		7	64			

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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															
ANTARCTICA															
LENINGRADSKAJA	69 30 S	159 23 E	300		955.2	992.8	-16.8		1.1		4	32			
MCMURDO	77 53 S	166 38 E	33		998.2	1002.7	-19.0				12	75			
VOSTOK	78 27 S	106 52 E	3420		629.5	1006.6	-61.0				0	2			
AMUNDSEN-SCOTT	90 00 S		2800		684.2		-56.6				0	T			
EUROPE															
GREENLAND															
NORD	81 36 N	16 40 W	36	31	1010.1	1014.8	-10.2	+ 1.0	2.1		5	24	+ 20		
DANMARKSHAVN	76 46 N	18 46 W	12	31	1011.6	1013.2	- 6.6	+ 0.1	2.7		3	9	+ 5		
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	1004.8	1013.5	- 3.3	+ 0.9	3.9		4	12	+ 2		
EGEDESMINDE	68 42 N	52 45 W	47	31	1006.5	1012.6	- 5.5	- 4.8	3.4		7	23	+ 6		
EGEDESMINDE	68 42 N	52 45 W	27			U									
GOOTHAB	64 10 N	51 45 W	50	31	1006.4	1009.9	- 0.6	- 2.9	5.2		12	66	+ 42		
ANGMAGSSALIK	65 36 N	37 38 W	50	31	1006.4	1010.9	0.4	- 1.0	4.9		12	92	+ 20		
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	1000.5	1010.1	2.1	- 0.2	5.4						
ICELAND															
REYKJAVIK	64 08 N	21 56 W	16	31	1003.8	1011.3	5.6	- 1.3	7.3	-0.2	12	59	+ 17	4	71
KEFLAVIK	63 58 N	22 36 W	54	31	1004.8	1011.4	5.4	- 1.1	7.6	0.0	16	91	+ 31		
AKUREYRI	65 41 N	18 05 W	27	31	1007.8	1012.2	6.7	+ 0.4	6.9	-0.2	3	14	- 1	3	78
HOFN I HORNAFIRDI	64 15 N	15 11 W	11	31	1010.5	1011.9	6.4	+ 0.2	7.5		10	54	- 21		93
UNITED KINGDOM															
LERWICK	60 08 N	01 11 W	82	31	1005.4	1015.4	7.5	- 0.3	8.5	-0.8	4	27	- 31	1	82
STORNOWAY	58 13 N	06 19 W	13	31	1013.8	1015.6	8.6	- 0.7	9.2	-0.9	6	20	- 32	0	122
TIREE	56 30 N	06 53 W	9	31	1014.3	1015.4	9.3	- 0.8	9.3	-0.6	6	16	- 39	1	117
ABERDEEN/DYCE	57 12 N	02 12 W	59	31	1007.3	1015.1	8.5	- 0.5	8.4	-1.0	5	16	- 46	1	119
EDINBURGH/TURNHOUSE AP	55 57 N	03 21 W	35	31	1010.8	1015.3	9.3	- 0.9	8.4	-1.2	7	55	+ 6		108
ESKDALEMUIR	55 19 N	03 12 W	242	31	985.7	1014.5	8.5	- 0.4	7.7	-1.4	1	4	- 83	0	125
LEEMING	54 18 N	01 32 W	32	31	1010.2	1011.1	9.2		8.7		6	31			
BELFAST/ALDERGROVE AP	54 39 N	06 13 W	68	31	1006.8	1014.9	9.9	- 0.6	8.6	-1.7	7	25	- 27	1	133
VALLEY	53 15 N	04 32 W	10	31	1012.7	1014.1	10.2	- 0.8	8.8	-1.9	5	30	- 26	1	120
AUGHTON	53 33 N	02 55 W	56			U									
MANCHESTER AIRPORT	53 21 N	02 16 W	75	31	1004.3	1013.5	10.7	- 1.0	8.2	-2.0	7	31	- 26	2	109
BIRMINGHAM AP	52 27 N	01 44 W	97	31	1000.9	1012.9	9.6	- 1.5	9.0	-1.1	9	67	+ 15		82
WADDINGTON	53 10 N	00 31 W	68	31	1004.8	1013.4	9.3	- 1.9	8.9	-1.6	7	70	+ 24	4	84
LONDON/GATWICK AIRPORT	51 09 N	00 11 W	60	31	1004.4	1011.4	10.1		8.9		9	72			
CRAWLEY	51 05 N	00 13 W	144			U									
CARDIFF-WALES AP	51 24 N	03 21 W	67	31	1004.6	1012.5	10.4		8.9		7	62			
BOURNEMOUTH/HURN AP	50 47 N	01 50 W	11	31	1010.4	1011.6	10.3		9.6		10	80			
PLYMOUTH/MOUNT BATTEN	50 21 N	04 07 W	27	31	1008.7	1012.0	11.0	- 0.7	9.4	-1.7	9	73	+ 8	4	86
IRELAND															
MALIN HEAD	55 22 N	07 20 W	25	31	1012.3	1015.4	9.3	- 0.9	9.2	-0.9	9	28	- 25		121
BELMULLET	54 14 N	10 00 W	10	31	1014.3	1015.5	10.0	- 1.0	9.7		12	39	- 24		110
DUBLIN AIRPORT	53 26 N	06 15 W	81	31	1004.3	1014.6	10.2	- 0.4	9.0	-1.1	7	34	- 24		110
SHANNON AIRPORT	52 41 N	08 55 W	7	31	1012.5	1014.9	11.0	- 0.5	9.0	-1.8	8	28	- 34		112
CORK AIRPORT	51 51 N	08 30 W	162	31	994.9	1014.6	9.9	- 0.7	9.0		7	43	- 41		
VALENTIA OBSERVATORY	51 56 N	10 15 W	14	31	1013.7	1015.4	10.2	- 1.3	10.0	-0.9	8	42	- 44	1	107
DENMARK AND FAROE IS															
THORSHAVN	62 01 N	06 46 W	24	31	1012.1	1015.1	7.0	- 0.3	8.2		9	38	- 29	2	118
THORSHAVN	62 01 N	06 46 W	55			U									
ALBORG	57 06 N	09 52 E	3	31	1010.9	1011.3	11.4	+ 0.8	9.7		9	37	+ 4	3	
KOBENHAVN/JAEGERSBORG	55 46 N	12 32 E	40			U									
KOBENHAVN/LANDBOHOJSKOLEN	55 41 N	12 33 E	5	31	1009.6	1010.2	12.5	+ 0.7	11.1		8	31	- 11	2	95
RONNE	55 04 N	14 45 E	16	31	1008.9	1010.8	10.7	+ 1.1	10.4		6	35	+ 4	4	
NORWAY															
BJORNOYA	74 31 N	19 01 E	14	31	1012.2	1014.0	- 0.3	+ 1.0	4.8		4	15	- 3	3	
BJORNOYA	74 31 N	19 01 E	18			U									
JAN MAYEN	70 56 N	08 40 W	9	31	1012.1	1013.3	- 0.5	0.0	4.9		12	64	+ 27	4	
VARDO	70 22 N	31 06 E	15	31	1012.6	1014.3	4.7	+ 2.1	6.7	+0.5	8	24	- 12	3	
SVALBARD LUFTHAVN	78 15 N	15 28 E	29	31	1009.4	1013.1	- 2.9		3.5		3	11			
TROMSO/LANGNES	69 41 N	18 55 E	10	31	1012.2	1013.3	7.8	+ 3.5	5.6	-0.5	12	45	- 10		109
BODO	67 17 N	14 25 E	13	31	1011.5	1013.0	9.8	+ 3.6	9.5	+2.3	8	41	- 8	2	107
BODO	67 15 N	14 24 E	8			U									
ORLAND	63 42 N	09 37 E	7	31	1011.9	1013.0	10.2	+ 2.3	9.5	+1.7	8	35	- 18	2	
ORLAND	63 42 N	09 24 E	10			U									
BERGEN/FREDRIKSBERG	60 24 N	05 19 E	44	31	1007.6	1012.8	11.5	+ 1.3	9.9	+0.8	10	28	- 55	1	114
STAVANGER/SOLA	58 53 N	05 38 E	8	31	1011.6	1012.7	10.7	+ 0.4	10.0	+0.9	8	52	+ 4	3	
STAVANGER/SOLA	58 52 N	05 40 E	33			U									
OSLO/BLINDERN	59 56 N	10 44 E	96	31	1000.9	1012.3	12.4	+ 1.7	8.8	+0.6	9	50	+ 6	3	94
OSLO/GARDERMOEN	60 12 N	11 05 E	203	31	988.1	1012.3	11.3	+ 1.9	8.4	+0.6	11	44	- 7	2	
OSLO/GARDERMOEN	60 12 N	11 06 E	201			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															
SWEDEN															
KARESUANDO	68 27 N	22 30 E	327	31	975.3	1014.7	7.5	+ 4.5	6.9	+1.0	5	34	+ 8	4	106
HAPARANDA	65 50 N	24 09 E	7	31	1014.5	1015.4	9.3	+ 3.5	7.8	-1.3	3	17	- 13	2	119
STENSELE	65 04 N	17 10 E	327	31	980.9	1014.5	10.4	+ 4.5	7.4	+1.0	3	19	- 14	2	
OSTERSUND/FROSON	63 11 N	14 30 E	366	31	970.8	1014.3	10.3	+ 3.3	8.0		6	22	- 5	2	88
HARNOSAND	62 38 N	17 57 E	8	31	1013.5	1014.7	9.9	+ 2.1	8.8	+1.5	6	25	- 9	2	108
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	1007.3	1012.8	11.7	+ 1.7	9.3	+1.0	8	40	+ 5	3	65
JONKOPING FLYGPLATS	57 46 N	14 05 E	232	31	985.0	1012.0	10.4	+ 1.2	8.4		5	30	- 19	2	92
GOTEBORG/SAVE	57 47 N	11 53 E	53	31	1005.5	1011.9	12.2	+ 1.2	9.8	+1.0	8	60	+ 26	5	84
GOTEBORG/LANDVETTER	57 40 N	12 18 E	155			U									
VISBY	57 40 N	18 21 E	47	31	1006.6	1012.7	11.2	+ 2.2	9.4	+0.9	6	25	- 5	3	88
FINLAND															
SODANKYLA	67 22 N	26 39 E	180	31	993.0	1014.6	9.1	+ 4.2	7.1	+1.2	5	26	- 5	2	129
KAJAANI	64 17 N	27 41 E	136	31	998.8	1015.0	12.0	+ 5.1	8.8	+1.7	7	29	- 9	2	135
JYVASKYLA/LUONETJARVI	62 24 N	25 40 E	145	31	997.2	1014.5	12.3	+ 4.2	8.9	+1.4	4	24	- 17	2	145
VAASA	63 03 N	21 46 E	8	31	1013.3	1014.3	12.3	+ 4.8	9.1	+1.5	5	16	- 15	1	131
JOKIOINEN	60 49 N	23 29 E	103	31	1001.9	1014.2	12.6	+ 3.8	9.6	+2.1	6	66	+ 27	5	130
TURKU	60 31 N	22 16 E	54	31	1007.0	1014.0	13.2	+ 4.5	10.3	+2.7	7	46	+ 16	5	113
HELSINKI/SEUTULA	60 19 N	24 58 E	58	31	1007.6	1014.4	12.9	+ 3.9	10.0	+2.1	6	36	- 5	3	114
FRANCE															
CHERBOURG-MAUPERTUS	49 39 N	01 28 W	138	31	994.3	1011.0	8.9		9.3		9	90			
BREST/GUIPAVAS	48 27 N	04 25 W	103	31	998.4	1010.8	10.0	- 1.6	10.1	-1.4	11	96	+ 28	4	74
NANTES	47 10 N	01 37 W	27	31	1006.4	1009.7	10.9	- 3.0	10.7	-1.6	18	159	+101	6	51
TRAPPES	48 46 N	02 01 E	168	31	989.2	1009.3	10.0	- 3.0	10.2	-1.0	18	118	+ 63	5	54
PARIS/LE BOURGE	48 58 N	02 27 E	65	31	1002.0	1009.8	11.0	- 3.0	10.5	-0.6	18	122	+ 70	5	62
NANCY/ESSEY	48 41 N	06 13 E	217	31	983.3	1009.1	10.4	- 2.9	9.6	-1.6	14	78	+ 24	5	47
STRASBOURG/ENTZHEIM	48 33 N	07 38 E	154	31	990.8	1009.2	11.2	- 2.8	10.3	-1.2	14	126	+ 66	6	50
DIJON	47 16 N	05 05 E	227	31	982.0	1009.0	10.3	- 4.0	10.0	-1.2	14	105	+ 41	5	47
BOURGES	47 04 N	02 22 E	166	31	989.5	1009.4	10.3	- 3.9	9.6	-1.7	16	112	+ 44	5	71
LIMOGES/BELLEGARDE	45 52 N	01 11 E	396	31	962.2	1009.6	9.5	- 3.8	9.6	-1.2	20	142	+ 62	5	55
LYON/BRON	45 43 N	04 57 E	201	31	985.0	1008.8	11.9	- 3.0	10.8	-0.8	13	114	+ 45	5	56
LYON/SATOLAS	45 44 N	05 05 E	240			U									
BORDEAUX/MERIGNAC	44 50 N	00 42 W	51	31	1002.6	1009.9	11.8	- 2.9	10.3	-2.0	16	149	+ 88	6	73
TOULOUSE/BLAGNAC	43 38 N	01 22 E	153	31	991.7	1009.9	11.9	- 2.9	10.8	-1.6	16	123	+ 48	5	77
PERPIGNAN	42 44 N	02 52 E	48	31	1002.7	1008.4	14.3	- 2.8	10.2	-2.4	6	69	+ 18	4	81
NIMES/COURBESSAC	43 52 N	04 24 E	62	31	1001.1	1008.5	13.8	- 2.8	10.7	-1.3	7	138	+ 70	5	75
MARSEILLE/MARIGNANE	43 27 N	05 13 E	8	31	1007.8	1008.7	14.3	- 2.5	11.3	-1.3	9	106	+ 60	5	81
NICE/COTE DAZUR	43 39 N	07 12 E	10	31	1007.0	1008.2	14.3	- 2.4	12.3	-2.3	12	246	+178	6	75
AJACCIO/CAMPO DEL ORO	41 55 N	08 48 E	9	31	1007.1	1008.2	14.6	- 1.3	13.9	-0.4	18	142	+ 92	5	48
BELGIUM															
UCCLE	50 48 N	04 21 E	104	31	997.1	1009.2	10.4		10.5		17	133		5	34
NETHERLANDS															
DE BILT	52 06 N	05 11 E	4	31	1008.6	1009.1	10.6	- 1.8	10.4	-0.1	12	79	+ 27	5	52
LUXEMBOURG															
LUXEMBOURG AP	49 37 N	06 13 E	378	31	963.1	1008.6	9.4	- 2.3	9.2	-0.3	17	107	+ 34	5	50
SWITZERLAND															
SANTIS	47 15 N	09 21 E	2500	31	742.9	2971 Z	- 2.2	- 2.6	4.4	-0.6	14	99	- 98	1	82
ZURICH/TOWN/VILLE/	47 23 N	08 34 E	569	31	943.0	1009.4	9.9	- 2.8	8.6	-1.5	13	88	- 19	3	53
GENEVE/COINTRIN	46 15 N	06 07 E	430	31	959.8	1008.7	10.4	- 2.7	9.1	-1.2	12	54	- 12	3	44
PAYERNE/ STN. AEROLOGICAL	46 49 N	06 57 E	491			U									
LUGANO	46 00 N	08 58 E	276	31	976.4	1009.1	11.5	- 3.9	10.6	-1.1	21	410	+196	5	46
FEDERAL REP OF GERMANY															
SCHLESWIG	54 32 N	09 33 E	48	31	1004.3	1010.1	10.8	- 0.2	10.4	+0.4	10	48	- 8	2	82
HAMBURG/FUHLSBUTTEL	53 38 N	09 59 E	16	31	1007.5	1009.5	12.0	0.0	10.9	+0.6	11	82	+ 27	5	76
EMDEN-HAFEN	53 20 N	07 12 E	12	31	1007.9	1009.3	11.1	- 0.7	10.4	-0.4	13	78	+ 24	5	64
HANNOVER	52 28 N	09 42 E	54	31	1002.4	1008.9	11.9	- 0.7	11.0	+0.5	16	151	+ 99	6	53
BERLIN/TEMPELHOF	52 28 N	13 24 E	49	31	1002.7	1008.6	13.7	- 0.6	10.7	+0.7	12	81	+ 37	5	63
KASSEL	51 19 N	09 29 E	163	31	980.6	1008.3	10.8	- 1.8	10.2	-0.1	16	152	+ 90	6	47
ESSEN	51 24 N	06 58 E	161	31	989.4	1008.7	10.8	- 2.3	10.4	-0.4	15	167	+ 96	6	46
GEISENHEIM	49 59 N	07 58 E	120	31	993.8	1008.1	11.5	- 2.7	9.9	-0.6	15	123	+ 69	6	50
NURNBERG	49 30 N	11 05 E	312	31	971.2	1008.0	11.0	- 2.0	10.2	-0.2	18	115	+ 60	5	54
STUTTGART/CANNSTATT	48 50 N	09 12 E	315	31	971.0	1008.2	11.0	- 2.6	9.9	-0.9	12	108	+ 36	5	59
MUNCHEN/RIEM	48 09 N	11 43 E	529	31	946.2	1007.9	10.4	- 1.8	9.4	-1.0	12	92	- 15	4	67
MUNCHEN/OBERSCHLEISSHEIM	48 15 N	11 33 E				U									
KONSTANZ	47 41 N	09 11 E	447	31	955.5	1007.8	10.9	- 2.3	9.4	-1.3	15	126	+ 47	5	60
ZUGSPITZE	47 25 N	10 59 E	2962	31	700.4	2968 Z	- 4.8	- 2.3	4.0	-0.4	18	136	- 33		80
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									

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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	SUNSHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
AUSTRIA															
ST. POLTEN	48 12 N	15 38 E	282	31	973.6	1007.9	13.1	- 0.6	9.9	-1.2	13	82	- 7	4	90
WIEN/HOHE-WARTE	48 15 N	16 22 E	212	31	982.6	1007.9	13.7	- 1.1	10.5	-0.4	12	56	- 14	3	69
SALZBURG-FLUGHAFEN	47 48 N	13 00 E	450	31	954.9	1007.6	11.9	- 2.1	8.7	-2.4	19	155	+ 28	4	79
INNSBRUCK-FLUGHAFEN	47 16 N	11 21 E	598	31	936.6	1007.1	11.4	- 2.4	8.5	-1.5	11	62	- 15	3	78
KLAGENFURT-FLUGHAFEN	46 39 N	14 21 E	452	31	953.5	1008.4	11.6	- 1.7	8.6	-2.7	15	86	- 2	3	79
GRAZ-THALERHOF-FLUGHAFEN	47 00 N	15 27 E	347	31	966.4	1008.4	12.5	- 1.2	11.0	-0.3	11	97	+ 4	3	74
SONNBLICK	47 03 N	12 57 E	3107	31	688.1	2968 Z	- 4.8	- 1.0	3.9	-0.2	21	202	+ 51	5	44
CZECHOSLOVAKIA															
CHEB	50 05 N	12 24 E	471	31	952.8	1008.3	10.1	- 1.6	9.5	-0.6	17	112	+ 61	6	51
PRAHA/RUZYNE	50 06 N	14 17 E	381	31	965.0	1008.4	11.6	- 1.3	10.2	0.0	13	79	+ 18	4	73
LIBUS	50 00 N	14 27 E	305	31	972.4	1008.3	12.6		10.2		9	57			
BRNO/TURANY	49 09 N	16 42 E	246	31	979.2	1008.4	13.2	- 1.0	10.7	+0.3	13	99	+ 44	5	72
OSTRAVA/MOSNOV	49 47 N	18 62 E	256	31	978.3	1008.6	13.0	- 0.1	11.0	+0.4	14	84	+ 5	3	73
SLIAC	48 38 N	19 09 E	318	31	971.8	1009.4	13.6	0.0	11.5	+0.7	20	160	+ 83	5	64
POPRAD/TATRY	49 04 N	20 15 E	709	31	927.9		10.4	- 0.5	10.0	+0.5	17	114	+ 46	5	55
POPRAD/GANOVCE	49 02 N	20 19 E	706			U									
HUNGARY															
MISKOLC	48 08 N	20 48 E	120	31	994.9	1009.5	15.0	- 0.6	13.1	+0.8	13	131	+ 61	5	
BUDAPEST/METEOROLOGIA	47 31 N	19 02 E	130	31	993.7	1009.0	15.8	- 0.7	13.3	+1.6	15	148	+ 76	5	72
BUDAPEST/LORINC	47 26 N	19 11 E	140	31	992.3	1008.9	15.0	- 0.9	12.3	+0.4	15	123	+ 53	5	75
DEBRECEN	47 29 N	21 38 E	114	31	995.9	1009.6	15.4	- 0.9	12.7	+0.2	15	111	+ 53	5	69
PECS	46 00 N	18 14 E	202	31	985.3	1009.2	14.5	- 1.1	11.9	-0.5	14	92	+ 22	5	84
SZEGED	46 15 N	20 06 E	84	31	999.8	1009.6	15.8	- 0.6	12.4	-0.7	14	79	+ 16	4	73
POLAND															
SZCZECIN-DABIE	53 24 N	14 37 E	7	31	1008.4	1008.8	13.2	+ 0.8	11.5	+1.0	14	68	+ 3		
KOSZALIN	54 12 N	16 11 E	34			U									
GDANSK-WRZESZCZ	54 23 N	18 36 E	12	31	1009.3	1010.4	12.4	+ 1.8	12.1	+2.7	9	35	- 23		
POZNAN-LAWICA	52 25 N	16 50 E	92	31	987.6	1008.8	13.1	+ 0.3	11.5	+1.5	10	65	+ 13		
LEGIONOWO	52 24 N	20 58 E	104			U									
WARSZAWA-OKECIE	52 09 N	20 59 E	107	31	997.2	1009.9	13.7	+ 0.8	12.2	+1.9	13	99	+ 39		
BIALYSTOK	53 06 N	23 10 E	151	31	992.6	1010.7	13.3	+ 0.9	12.2	+1.9	17	87	+ 20		
WROCLAW II-STRACHOWICE	51 06 N	16 53 E	124	31	994.3	1008.8	12.7	- 0.2	11.8	+1.2	17	134	+ 63		
WROCLAW I-MALY GADOW	51 08 N	16 59 E	119			U									
KRAKOW/BALICE	50 05 N	19 48 E	237	31	980.9	1009.0	13.2	+ 0.8	11.3	+0.3	15	100	+ 20		
PRZEMYSL	49 48 N	22 46 E	280	31	977.1	1010.2	13.6	+ 0.7	11.9	+1.2	12	70	- 20		
GIBRALTAR															
NORTH FRONT	36 09 N	05 21 W	3	31	1012.6	1013.0	17.1	- 2.1	13.5	-2.1	5	80	+ 53	6	91
PORTUGAL															
LAJES /ACORES/	38 45 N	27 05 W	54			U									
HORTA/ACORES	38 51 N	28 38	62	31	1018.2	1025.6	16.6	- 0.2	14.4	-0.9	3	14	- 56	0	122
PONTA DELGADA/ACORES	37 45 N	25 40 W	36	31	1020.4	1024.7	16.8	+ 0.3	13.8	-1.0	2	22	- 40	1	136
SANTA MARIA /ACORES/	36 58 N	25 10 W	100	31	1012.3	1024.4	16.4	- 0.4	13.1	-1.5	3	10	- 28		
PORTO/SERRA DO PILAR	41 08 N	08 36 W	100	31	1003.8	1015.8	12.8	- 2.4	11.2	-1.4	14	123	+ 36	4	78
LISBOA	38 43 N	09 09 W	95	31	1002.9	1014.2	14.8	- 2.4	11.1	-2.0	11	66	+ 22	4	76
LISBOA/GAGO CONTINHO	38 46 N	09 08 W	104			U									
CAPE VERDE															
SAL	16 44 N	22 57 W	55		1007.6	1014.1	22.9		19.1		0	0		0	15
MADEIRA															
FUNCHAL	38 38 N	16 54 W	56	31	1012.2	1018.9	16.8	- 0.9	13.1	-1.3	1	31	+ 10	4	
SPAIN															
LA CORUNA	43 22 N	08 25 W	67	31	1005.1	1013.2	12.1	- 1.9	10.9	-1.9	19	164	+104	6	65
VALLADOLID	41 39 N	04 43 W	715	31	929.9	1010.0	10.4	- 3.6	8.7	-0.5	15	72	+ 29	5	60
ZARAGOZA	41 39 N	00 53 W	233	31	982.6	1008.8	13.7	- 3.3	9.9	-1.4	11	111	+ 63	5	
MADRID/BARAJAS	40 28 N	03 34 W	606			U									
MADRID/RETIRO	40 24 N	03 41 W	657	31	934.3	1011.2	11.1	- 4.6	8.8	-1.5	15	82	+ 38	5	55
BADAJOZ	38 53 N	06 58 W	195	31	989.0	1012.0	14.6	- 3.4	11.2	-0.8	8	44	+ 7	3	80
SEVILLA/TABLADA	37 22 N	06 00 W	13	31	1011.5	1013.0	16.4	- 2.8	12.3	-3.4	6	35	- 1	4	70
ALICANTE	38 22 N	00 30 W	82	31	1000.5	1010.2	16.7	- 1.5	12.1	-1.6	9	28	- 1	4	65
PALMA DE MALLORCA	39 34 N	02 39 E	17	31	1009.1	1009.7	15.9	- 1.5	13.5	-2.0	10	108	+ 81	5	60
PALMA/SON BONET	39 36 N	02 42 E	45			U									
MAHON, MENORCA/SAN LUIS	39 52 N	04 16 E	59	31	999.6	1009.4	15.1	- 2.3	12.8	-1.6	11	107	+ 77	5	65
ITALY															
UDINE/CAMPOFORMIDO	46 02 N	13 11 E	94			U									
MALTA															
LUQA	35 51 N	14 29 E	72	31	1002.9	1011.4	19.1	+ 0.3			1	4	- 10	2	81
GRENDI	35 50 N	14 26 E	136			U									
YUGOSLAVIA															
ZAGREB/MAKSIMIR	45 49 N	16 02 E	128			U									
BEOGRAD/ZELENO BRDO	44 47 N	20 32 E	243			U									

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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 W. MM.	PRECIPITATION: TOTAL	PRECIPITATION: DEPARTURE	PRECIPITATION: QUINTILE	SUNSHINE: PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
BULGARIA															
LOM	43 49 N	23 14 E	33		1007.4	1011.5	17.2		14.3		12	45		3	
SOFIA OBS.	42 49 N	23 23 E	588		943.0	1011.8	15.5		10.6		5	46		3	
VARNA	43 12 N	27 55 E	41		1007.6	1012.6	15.9		14.0		5	16		1	
BOURGAS	42 99 N	27 29 E	28		1009.3	1012.7	16.3		15.1		5	17		1	
GREECE															
ATHENS/HELLINIKON	37 54 N	23 44 E	15			U									
ROMANIA															
BUCURESTI/IMH	44 30 N	26 08 E	95			U									
CONSTANTA	44 13 N	28 38 E	32			U									
CYPRUS															
EPISKOPI	34 41 N	32 49 E	113			U									
TURKEY															
RIZE	41 02 N	40 30 E	4		1013.3	1013.8	15.5	- 0.2	12.2	-2.3	11	93	- 4	3	38
SAMSUN	41 17 N	36 20 E	44		1013.1	1013.5	15.0	- 0.4	14.3	+0.4	4	40	- 2	3	47
EDIRNE	41 40 N	26 34 E	48		1005.8	1011.4	18.3	+ 0.6	13.8	+0.2	8	63	+ 15	4	57
ISTANBUL/GOZTEPE	40 58 N	29 05 E	40		1007.7	1012.3	18.5	+ 2.3	13.8	+0.2	4	33	+ 1	4	53
BURSA	40 11 N	29 04 E	100		1000.6	1012.3	19.2	+ 1.8	13.8	+0.2	7	40	- 18	2	62
CANAKKALE	40 08 N	26 24 E	3		1011.7	1012.0	17.9	+ 0.8	15.3	+1.5	3	10	- 19		64
IZMIR	38 26 N	27 10 E	25		1008.1	1011.0	21.7	+ 1.5	15.0	+1.1	0	T	- 38	0	65
ANTALYA	36 42 N	30 44 E	50		1005.5	1010.4	20.7	+ 0.2	16.0	-0.5	0	0	- 26	0	71
ADANA INCIRLIK	37 00 N	35 25 E	66		1008.4	1010.8	22.4	+ 1.2	16.1	-0.4	1	2	- 45	1	70
KASTAMONU	41 22 N	33 46 E	799		921.5	1012.2	16.4	0.0	10.7	0.0	10	72	- 7	3	56
ANKARA/CENTRAL	39 57 N	32 53 E	894		911.7	1012.1	16.3	+ 0.3	10.1	+0.1	6	29	- 21	2	63
SIVAS	39 45 N	37 01 E	1285		869.9	1012.0	13.0	- 0.2	9.0	+0.1	13	40	- 18	2	56
ERZINCAN	39 44 N	39 30 E	1215		877.0	1011.4	14.3	- 1.6	9.9	+0.2	9	64	+ 16	2	50
ERZURUM	39 55 N	41 16 E	1869		810.6	1012.0	9.1	- 1.8	7.5	0.0	16	110	+ 77	5	44
MUGLA	37 12 N	28 21 E	646		938.5	1011.9	18.5	+ 0.8	10.8	0.0	1	6	- 38	1	66
AFYON	38 45 N	30 32 E	1034		897.4	1012.4	15.8	+ 0.6	8.7	-1.2	6	41	- 20	2	56
ISPARTA	37 45 N	30 33 E	997		900.9	1012.1	16.3	+ 1.0	10.1	0.0	4	10	- 53	1	66
KONYA	37 58 N	32 33 E	1022		897.0	1010.9	17.1	+ 1.2	10.1	+0.4	4	26	+ 14	3	65
URFA	37 08 N	38 46 E	547		947.1	1008.5	21.9	+ 0.1	9.8	-0.7	2	5	- 19		75
MALATYA/ERHAC	38 26 N	38 05 E	849		901.1	1011.7	17.5	- 0.5	8.9	-0.7	5	43	+ 22	4	69
DIYARBAKIR	37 53 N	40 11 E	677		933.6	1007.8	18.9	- 0.3	13.5	+2.0	4	14	- 30	2	70
VAN	38 27 N	43 19 E	1661		832.1	1012.6	11.2	- 1.9	7.6	-1.1	16	136	+ 96		54
USSR															
MURMANSK	68 58 N	33 03 E	46		1009.2	1015.4	7.9		7.5		6	28		4	120
KANIN NOS	68 39 N	43 18 E			1009.8	1016.0	0.9		5.8		5	20		4	35
ARKHANGELSK	64 35 N	40 30 E	13		1015.9	1016.9	11.3		8.2		7	56		5	155
REBOLY	63 49 N	30 49 E	181		993.9	1015.7	11.7		8.9		6	44		4	150
VYTEGRA	61 01 N	36 27 E	59		1010.2	1017.0	12.5		9.7		9	63		4	120
LENINGRAD /TOWN/VILLE/	59 58 N	30 18 E	4		1015.1	1015.8	14.5		10.2		5	43		3	115
TALLIN	59 25 N	24 48 E	44		1010.9	1014.6	12.5		10.2		9	37		3	55
KAUNAS	54 53 N	23 53 E	75		1002.7	1012.0	13.9		11.6		11	63			80
MINSK	53 52 N	27 32 E	234		985.3	1012.7	14.2		11.6		16	132		6	
VELIKIE LUKI	56 23 N	30 36 E	98		1001.6	1014.0	14.4		12.4		8	60		4	125
VOLOGDA	59 17 N	39 52 E	118		1001.9	1017.4	14.2		9.6		4	17		1	135
KIROV	58 39 N	49 37 E	164		998.6	1018.6	14.4		8.5		8	35		3	125
MOSKVA	55 45 N	37 34 E	156		998.1	1016.6	16.0		10.6		6	48		1	
KAZAN	55 47 N	49 11 E	64		1003.4	1017.6	16.7		8.9		4	19		2	120
SARATOV	51 34 N	46 02 E	156		993.9	1017.4	18.9		7.4		1	11		1	140
LVOV	49 49 N	23 57 E	325		972.4	1009.8	13.4		12.0		12	104			
KIEV	50 24 N	30 27 E	179		992.7	1012.4	16.8		12.1		11	63		4	
HAR KOV	49 56 N	36 17 E	152		996.0	1014.1	18.6		11.6		3	11		1	85
ODESSA	46 29 N	30 38 E	64		1007.8	1012.8	15.1		13.5		3	5		1	60
SIMFEROPOL	45 01 N	33 59 E	205		989.1	1013.1	16.6		10.8		1	7			120
ROSTOV-NA-DONU	47 15 N	39 49 E	77		1005.9	1013.9	19.2		12.6		5	34		3	110
ASTRAHAN	46 16 N	48 02 E	18			1015.5	20.2		10.9		0	2		1	
PJATIGORSK	44 03 N	43 02 E			951.8	1012.9	14.6		11.3		13	159		5	
TBILISI	41 41 N	44 57 E	490		964.9	1014.7	15.9		11.6		7	44			
AFRICA															
MOROCCO															
KENITRA II	34 18 N	06 36 W	12			U									
CASABLANCA	33 34 N	07 40 W	58		1007.7	1014.5	16.2		14.5		16	100		6	95
AGADIR	30 23 N	09 34 W	19		1011.8	1014.6	17.7		14.1		1	4		4	110
MEKNES	33 53 N	05 32 W	549		950.9	1014.6	13.5		12.0		14	110		5	70
MARRAKECH	31 37 N	08 02 W	466		960.6	1010.1	16.9		10.2		5	14		4	105
OUARZAZATE	30 56 N	06 54 W	1136		883.9	1471 Y	18.4		6.6		0	0		2	85
SPANISH CANARY IS															
SANTA CRUZ DE TENERIFE	28 27 N	16 15 W	46		1013.5	1018.0	19.7		13.6		0	2		4	90
ALGERIA															
ALGER/DAR EL BEIDA	36 43 N	03 15 E	25		1007.7	1010.7	16.0				11	124		6	55
CONSTANTINE	36 17 N	06 37 E	697		931.1	1010.0	15.2		9.8		3	10			
BECHAR	31 37 N	02 14 W	786		918.1	1467 Y	21.3		5.8		0	0		2	80

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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															
ALGERIA															
GHARDAIA-NOUMERPATE	32 23 N	03 49 E	442		956.4	1008.6	22.9		6.8		0	1			80
TAMANRASSET	22 47 N	05 31 E	1378		863.2	1514 Y	28.1		6.7		0	T		3	85
TUNISIA															
TUNIS CARTHAGE	36 50 N	10 14 E	4		1009.7	1010.1	19.5		13.4		0	1		1	80
TOZEUR	33 55 N	08 10 E	51			U									
LIBYAN ARAB REP															
TRIPOLI INTL. AP	32 41 N	13 10 E	84	31	1000.5	1009.6	25.1		15.4		1	2			71
BENINA	32 05 N	20 16 E	132	31	996.3	1011.4	25.3		16.3		0	0			65
GIALO	29 02 N	21 34 E	62	31	1005.9	1011.9	30.1		11.4		0	0			92
KUFRA	24 13 N	23 18 E	408	31	963.7	1008.1	32.7		4.9		0	0			100
EGYPT															
MERSA MATRUH	31 20 N	27 13 E	30		1009.4	1012.8	21.8		16.9		0	0			90
CAIRO	30 08 N	31 34 E	74		1002.8	1011.5	26.0		11.5		0	T		4	
HELWAN	29 52 N	31 20 E	141		994.2	1007.2	26.1		10.1		0	0		4	95
DAKHLA	25 29 N	29 00 E	112		998.0	1010.5	31.0				0	0			
ASSWAN	23 58 N	32 47 E	194		984.9	1006.8	32.3				0	0			
MAURITANIA															
NOUADHIBOU	20 56 N	17 02 W	3		1013.5	1014.0	20.6		15.6		0	T		4	
NOUAKCHOTT	18 06 N	15 57 W	3		1010.1	1010.5	27.1		14.9		0	T			
ROSSO	16 30 N	15 49 W	6		1009.7	1010.4	30.9		13.0		0	0			
BIR MOGHREIN	25 14 N	11 37 W	360		971.9	1012.8	20.8		20.2		0	0			
ATAR	20 31 N	13 04 W	224		986.1	1011.1	30.1		8.2		0	0			
AKJOUJT	19 45 N	14 22 W	120		998.2	1011.4	30.7		12.6		0	0			
TIDJIKJA	18 34 N	11 26 W	402		965.4	1009.4	32.1		7.6		0	0			
NEMA	16 36 N	07 16 W	269				35.9		16.0		1	2			
SENEGAL															
SAINT-LOUIS	16 03 N	16 27 W	4		1009.4	1009.9	24.7		20.0		0	0		0	
DAKAR/YOFF	14 44 N	17 30 W	24		1007.3	1010.6	23.5		23.4		0	T		4	
DIOURBEL	14 39 N	16 14 W	9		1008.1	1009.1	29.7		19.7		0	0		4	
KAOLACK	14 08 N	16 04 W	7		1009.4	1010.2	30.3		19.1		0	0		3	
ZIGUINCHOR	12 33 N	16 16 W	23		1007.5	1010.1	27.7		23.8		0	0		2	
LINGUERE	15 23 N	15 07 W	21		1006.2	1008.5	33.2		15.4		0	0		4	
MATAM	15 38 N	13 15 W	17		1005.4	1007.3	36.5		14.7		0	1		4	
TAMBACOUNDA	13 46 N	13 41 W	50		1002.7	1008.3	33.3		19.1		3	20		4	
KOLDA	12 53 N	14 58 W	10				31.6		21.5		4	83			
KEDOUGOU	12 34 N	12 13 W	167		989.0	1007.4	32.2		22.2		9	91		5	
MALI															
GAO	16 16 N	00 03 W	260		977.4	1005.5	36.5		12.4		1	3			55
NARA	15 10 N	07 17 W	265		977.8	1006.6	34.9		14.1		2	10			
HOMBORI	15 20 N	01 41 W	288		974.5		36.3		14.1		2	24		5	
MOPTI	14 31 N	04 06 W	272		977.3	1006.8	34.4		17.8		0	0		1	
NIORO DU SAHEL	15 14 N	09 21 W	237		980.6	1006.3	35.3		13.7		2	2		2	
KAYES	14 26 N	11 26 W	47		1002.1	1007.2	36.0		17.2		1	10		3	100
KITA	13 04 N	09 27 W	329		970.8	1007.6	32.1		19.7		7	45		3	95
BAMAKO/SENOU	12 32 N	07 57 W	381		965.0	1006.7	30.6		23.0		7	117			
SEGOU	13 24 N	06 09 W	289		975.3	1006.9	31.9		21.4		3	106		6	25
SAN	13 20 N	04 50 W	284		976.3	1007.2	33.0		21.1		3	36		3	
KOUTIALA	12 23 N	05 28 W	367		967.6	1005.1	28.8		21.2		7	58		3	
BOUGOUNI	11 25 N	07 30 W	351		969.5	1007.9	29.1		25.1		9	91		3	
SIKASSO	11 21 N	05 41 W	375		966.3	1007.5	29.0		25.1		12	122		4	25
NIGER															
AGADEZ	16 58 N	07 59 E	503		949.9	1003.1	36.3		8.5		0	0		3	90
N GUIGMI	14 15 N	13 07 E	286		972.8	1003.9	34.8		17.2		0	T		3	105
MAINE-SOROA	13 14 N	11 59 E	339		968.3	1004.8	34.5		18.1		0	T		1	100
ZINDER-AERO	13 47 N	08 59 E	453		955.9	1004.6	34.2		16.4		0	2		2	95
MAGARIA	12 59 N	08 56 E	403				32.6		19.9		4	18		3	
MARADI	13 28 N	07 05 E	369		964.8	1005.2	33.0		20.1		3	14		3	100
BIRNI-N KONNI	13 48 N	05 15 E	274		975.5	1005.2	33.7		23.4		4	62		5	100
TAHOUA	14 54 N	05 15 E	387		962.7	1004.9	34.7		16.2		2	34		5	105
TILLABERY	14 12 N	01 27 E	210		982.0	1006.0	34.7		20.5		3	43		5	85
NIAMEY-AERO	13 29 N	02 10 E	234		981.0	1005.8	33.5		22.5		6	69		5	100
GAMBIA															
BATHURST/YUNDUM	13 21 N	16 40 W	26		1005.5	1009.1	27.0		23.6		0	0			
SIERRA LEONE															
LUNGI	08 37 N	13 12 W	27	31	1007.2	1010.1	27.2	- 0.1	29.2	+0.6	15	266	+ 64		96
BONTHE	07 32 N	12 30 W	8	31	1010.3	1011.2	27.4	- 0.2	27.9	-2.6	21	610	+331		80
NJALA	08 06 N	12 06 W	56	31	1000.2	1006.4	27.3	0.0	29.3	+0.2	15	306	+ 63		82
BO	07 57 N	11 46 W	93	31	999.7	1010.7	27.0	- 0.1	28.4	-0.4	12	385	+129		108
KABALA	09 35 N	11 33 W	464	31	957.8	1009.3	25.6	+ 0.2	26.4	+0.9	13	204	+ 4		147
DARU	07 59 N	10 51 W	186	31	987.6	1008.9	27.3	+ 0.2	27.9	-0.1	17	172	- 95		113
LIBERIA															
ROBERTS FIELD	06 15 N	10 21 W	12	31	1008.5	1009.5	26.7	+ 0.3	29.7	+0.2	18	213	- 30		

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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															
IVORY COAST															
ODIENNE	09 30 N	07 34 W	434		961.8	1008.2	27.1		26.5		6	134		4	
MAN	07 23 N	07 31 W	340				27.5		29.9		11	174			
BONDOUKOU	08 03 N	02 47 W	371		969.4	1008.7	26.8		27.0		9	159			
DIMBOKRO	06 39 N	04 42 W	92		999.3	1009.6	27.6		26.4		14	208			
YAMCUSSOUKRO	06 54 N	05 21 W			985.2	1009.1	25.9		27.7		13	165			
SAN PEDRO	04 45 N	06 49 W	31								9	151			
SASSANDRA	04 57 N	06 05 W	66				26.3		30.1		13	136			
ABIDJAN	05 15 N	03 56 W	11		1008.6	1009.5	27.8		31.6		13	336		2	
UPPER VOLTA															
DORI	14 02 N	00 03 E	275		976.0	1006.2	34.4		18.6		2	28		4	
OUAHIGOUYA	13 35 N	02 26 W	324		698.2	1006.3	30.0		16.8		8	328		3	
OUAGADOUGOU	12 21 N	01 31 W	304		973.5	1006.9	31.7		23.3		7	67		3	95
FADA N GOURMA	12 04 N	00 21 E	309		973.2	1007.1	31.6		23.8		7	56		2	
BOROMO	11 40 N	02 55 W	271		977.6	1007.5	31.1		23.4		7	174			
BOBO-DIOULASSO	11 10 N	04 18 W	467		957.7	1008.1	28.6		23.6		10	173		5	
GAOUA	10 20 N	03 11 W	333		971.4	1008.3	28.9		25.5		10	245		6	
BENIN															
KANDI	11 08 N	02 56 E	292	31	975.5	1007.6	29.1	- 0.8	26.2	+0.4	9	225	+118	5	
NA TITINGOU	10 19 N	01 23 E	461	31	958.2	1008.5	27.6	- 0.2	26.2	+0.4	9	76	- 48	1	
PARAKOU	09 21 N	02 37 E	393	31	965.6	1009.0	26.5	- 0.7	26.7	+0.2	19	335	+209	6	
SAVE	07 59 N	02 26 E	200	31	987.1	1009.5	26.4	- 1.0	28.8	+1.5	11	243	+110	5	
BOHICON	07 10 N	02 04 E	167	31	991.1	1009.8	27.1	- 0.5	28.6	+0.4	10	120	- 33	2	
COTONOU	06 21 N	02 23 E	6	31	1008.7	1009.7	27.9	+ 0.4	30.4	-0.2	9	109	- 90	1	
TOGO															
MANGO	10 22 N	00 28 E	146		970.5	1008.9	27.6		27.2		15	100			
SOKODE	08 59 N	01 08 E	403		965.4	1009.1	26.2		26.8		13	153		3	
ATAKPAME	07 35 N	01 07 E	402		965.1	1009.4	25.5		26.8		11	262		5	
TABLIGBO	06 35 N	01 30 E	52		1004.5	1009.6	27.3		29.7		8	121		2	
UNITED REP OF CAMEROON															
DOUALA R.S.	04 01 N	09 42 E	15			U									
KENYA															
MOYALE	03 32 N	39 03 E	1113	31			21.8	+ 0.5	19.0	-1.1	12	98	- 31	3	
ELDORET	00 32 N	35 17 E	2120	31	789.4	1480 Y	17.7		12.5		11	45	- 68	1	115
NAIROBI AIRPORT	01 19 S	36 55 E	1624	31	839.6	1497 Y	19.6	+ 0.4	13.9	-2.9	0	3	-121		110
GARISSA	00 28 S	39 38 E	138	31	994.9	1011.5	29.2	+ 0.3	23.0	-1.6	0	T	- 16	2	
MALINDI	03 14 S	40 06 E	23	31	1009.9	1012.5	25.8	- 0.2	27.2	-0.5	18	320	- 71	3	111
UNITED REP OF TANZANIA															
SONGEA	10 41 S	35 35 E	1067		899.2	1549 Y	19.6		16.9		3	5		1	
MTWARA	10 16 S	40 11 E	113		1001.5	1014.4	25.2		26.0		6	56		3	
MWANZA	02 28 S	32 55 E	1140		886.7	1515 Y	23.6		18.0		1	5		1	
SOMALIA															
MOGADISCIO	02 02 N	45 21 E	9			1010.0	27.6				9	90		1	
ETHIOPIA															
ASMARA	15 17 N	38 55 E	2325	31	771.3		16.6		9.3		0	1			99
COMBOLCHA	11 05 N	39 43 E	1916	31	815.2		19.1		12.4		15	164			87
ADDIS ABABA	08 59 N	38 48 E	2408	31	767.4		18.7				11	119			84
DIRE DAWA	09 36 N	41 52 E	1146	31	883.4		26.9		16.4		11	129			97
JIMMA	07 40 N	36 50 E	1577	31	829.8		20.9		16.4		20	191			92
ZIMBABWE															
SALISBURY/BELVEDERE	17 50 S	31 01 E	1472			U									
DJIBOUTI															
DJIBOUTI	11 33 N	43 09 E	19		1004.3	1006.4	30.3		29.8		3	54			90
ZAMBIA															
LASAKA CITY AIRPORT	15 25 S	28 19 E	1280			U									
MALAWI															
KAMUZU INT.AP	13 47 S	33 46 E	1229	31	881.6	1531 Y	17.6		15.0		1	3			
CHILEKA	15 41 S	34 58 E	767	31	926.9	1531 Y	21.1	+ 1.0	17.2		5	14	+ 4		99
MADAGASCAR															
DIEGO-SUAREZ	12 21 S	49 18 E	105	31	998.1	1013.9	24.1	- 1.0	22.2	-0.7	9	45	+ 35		104
TULEAR	23 23 S	43 44 E	8	31	1009.8	1015.9	23.5	+ 1.3	22.0	+2.0	1	1	- 18	2	103
TAMATAVE	18 07 S	49 24 E	6	31	112.6	1017.7	22.2	- 0.3	24.4	+1.0	23	230	- 50	2	68
ANTANANARIVO/IVATO	18 48 S	47 29 E	1276	31	877.4	1545 Y	16.7	+ 0.3	14.7	+0.2	1	1	- 13		
SEYCHELLES															
SEYCHELLES INTERNATIONAL AP	04 40 S	55 31 E	3			U									
OCEAN ISLANDS															
AGALEGA/MAURITIUS	10 26 S	56 45 E	3		1010.9	1011.2	26.3	- 0.7	26.6	-2.0	3	7	-124	1	
ILES GLORIEUSES	11 33 S	47 17 E	3	31	1014.2	1014.7	26.2		25.7		9	28			

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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															
OCEAN ISLANDS															
SERGE-FROLOW/ILE TROMELIN	15 53 S	54 31 E	8	31	1013.3	1014.7	25.3		27.4		13	67			
ST. BRANDON/ST. RAPHAEL/	16 27 S	59 37 E	4		1014.4	1014.7	24.7	- 1.2	25.1	-1.6	9	44	- 20	2	
ILE JUAN DE NOVA	17 03 S	42 43 E	9	31	1013.7	1014.9	26.4		25.9		4	43			
RODRIGUES/MAURITIUS	19 41 S	63 25 E	59		1012.0	1018.3	23.4	- 0.8	20.7	-2.2	11	28	- 84	1	101
VACOAS/MAURITIUS	20 18 S	57 30 E	425			U									
PLAISANCE/MAURITIUS	20 26 S	57 40 E	57		1011.3	1017.6	22.8	- 0.2	21.7	-1.2	12	75	- 90	1	123
ST. DENIS/GILLOT, REUNION	20 53 S	55 31 E	12	31	1015.0	1017.9	22.4		19.9		8	72		3	105
ILE EUROPA	22 21 S	40 21 E	7	31	1015.5	1017.0	23.8		24.3		3	36		4	105
ILE NOUVELLE-AMSTERDAM	37 48 S	77 32 E	28	31	1015.7	1019.2	13.4		13.2		16	80			
ILE CROZET	46 30 S	51 00 E		31	991.3	1008.7	5.8		8.3		21	206			
PORT-AUX-FRANCAIS/KERGUELEN	49 20 S	70 13 E	18	31	998.8	1002.5	4.2		6.7		10	38			
SOUTH AFRICA															
GROOTFONTEIN	19 36 S	18 07 E	1400	31	863.0	1529 Y	17.4	+ 1.4	9.4		0	0	- 6		98
WINDHOEK	22 34 S	17 06 E	1700	31	833.6	1535 Y	16.4	+ 0.7	7.2	+1.0	2	14	+ 7	5	94
J. G. STRIJDOM	22 29 S	17 28 E	1700	31	833.7	1536 Y	14.9	+ 1.1	7.6		1	7	- 4		97
UPINGTON	28 24 S	21 16 E	800	31	927.4	1534 Y	15.3	+ 0.4	8.4	+0.5	3	19	- 8	5	98
PIETERSBURG	23 52 S	29 27 E	1250	31	885.7	1547 Y	15.6	+ 1.1	9.8	-0.7	0	0	- 11	2	110
PRETORIA	25 44 S	28 11 E	1300	31	875.4	1548 Y	15.1	+ 0.7	7.7	-2.7	2	2	- 20	1	109
PRETORIA/IRENE	25 55 S	28 13 E	1525			U									
JAN SMUTS	26 08 S	28 14 E	1700	31	834.9	1549 Y	13.5	+ 1.2	6.8	-1.1	1	1	- 19	3	106
BLOEMFONTEIN/J.B.M. HERTZOG	29 06 S	26 18 E	1400	31	865.2	1546 Y	10.4	+ 0.1	7.6	-0.2	5	49	+ 26	5	99
KIMBERLEY	28 48 S	24 46 E	1250	31	885.7	1543 Y	12.6	- 0.7	8.2	-0.2	3	32	+ 12	5	102
ALEXANDER BAY	28 34 S	16 32 E	0	31	1014.5	1017.2	16.6	+ 1.3	13.2	+1.7	2	11	+ 3	5	105
CAPE TOWN /D.F. MALAN/	33 58 S	18 36 E	0	31	1010.9	1016.7	14.2	+ 0.1	13.1	0.0	11	133	+ 55	4	80
PORT ELIZABETH	33 59 S	25 36 E	0	31	1009.4	1016.7	16.8	+ 1.1	13.3	-0.1	4	26	- 39	2	97
EAST LONDON	33 02 S	27 50 E	0	31	1001.7	1016.7	17.2	+ 0.3	13.1	-0.7	6	31	- 23	3	103
DURBAN/LOUIS BOTHA/	29 58 S	30 57 E	0	31	1015.7	1017.3	19.8	+ 1.2	17.7	+1.1	3	64	- 11	4	100
GOUGH ISLAND	40 21 S	09 53 W	0	31	1004.1	1010.5	10.5	- 0.7	7.9	-1.4	20	288	+ 24		105
MARION ISLAND	46 53 S	37 52 E	0	31	1001.8	1004.5	6.2	+ 1.3	8.0	+0.9	20	133	-130		127
ASIA															
USSR-WESTERN															
DRUJNAYA/OSTROV HEJSA/	80 37 N	58 03 E	20		1012.0	1014.8	- 8.6		3.0		4	10			
OSTROV VIZE	79 30 N	76 59 E	18		1013.5	1015.0	- 9.9		2.6		2	8			
MYS CELJUSKIN	77 43 N	104 17 E	13		1010.8	1012.8	-11.5		2.3		3	14			
OSTROV DIKSON	73 30 N	80 14 E	20		1009.8	1015.9	- 8.8		2.7		3	8			
MYS KAMENNYJ	68 28 N	73 36 E			1013.7	1014.8	- 6.8		3.2		9	20			
HOSEDA-HARD	67 05 N	59 23 E	81		1006.0	1016.7	- 0.5		4.8		7	27		3	80
NAR JAN-MAR	67 39 N	53 01 E	7		1016.1	1016.9	1.4		5.4		8	27		4	105
SALEHARD	66 32 N	66 32 E	35		1014.5	1016.5	- 1.8		4.3		1	29			105
TARKO-SALE	64 55 N	77 49 E	27		1009.6	1013.4	- 1.1		4.2		7	24			115
HATANGA	71 59 N	102 28 E	24		1007.3	1011.7	- 7.9		2.9		7	17			
NJAKSIMVOL	62 26 N	60 52 E	50		1010.9	1017.2	7.6		5.8		3	11			
TURUHANSK	65 47 N	87 57 E	32		1005.4	1010.2	2.1		4.8		8	26		3	
ESSEJ	68 28 N	102 22 E	200		977.1	1010.1	3.3		4.6		3	15			100
SYKTYVKAR	61 40 N	50 51 E	96		1003.5	1017.9	12.0		7.4		5	12		0	165
HANTY-MANSIJSK	60 58 N	69 04 E	40		1009.1	1014.8	7.4		6.9		1	9			
SURGUT	61 15 N	73 30 E	43				3.8		5.4		8	36			
PODKAMENNAJA TUNGUSKA	61 36 N	90 00 E	60		1022.3	1029.6	5.0		5.3			38		2	95
TURA	64 10 N	100 04 E	140		987.4	1010.1	5.3		5.5		5	24		3	
ERBOGACEN	61 16 N	108 01 E	278		974.8	1010.0	6.7		5.2		3	12		1	
PERM	58 01 N	56 18 E	161		996.6	1017.1	11.9		8.0		9	28			105
SVERDLOVSK	56 48 N	60 38 E	237		983.2	1016.7	11.6		7.6		9	67		5	95
TOBOLSK	58 09 N	68 11 E	44		1009.9	1015.8	9.3		7.1		3	14			125
OMSK	54 56 N	73 24 E	94		999.3	1014.1			6.9		7	29			90
KOLPASEV	58 18 N	82 54 E	76		1002.9	1012.3	6.2		5.9		8	29		3	110
ENISEJSK	58 27 N	92 09 E	78		1000.9	1010.6	6.5		6.4		12	57		5	95
KRASNOJARSK	56 00 N	92 53 E	194		978.4	1011.6	8.5		6.6		13	46		6	
BOGUCANY	58 25 N	97 24 E	134		993.9	1010.0	7.4		6.2		8	28		3	35
BRATSK	56 04 N	101 50 E	326		961.8	1011.6	6.9		6.6		9	47			
KIRENSK	57 46 N	108 07 E	261		979.5	1010.7	7.7		6.4		9	50		5	
ORENBURG	51 45 N	55 06 E	109		1003.1	1017.0	17.4		7.8		3	18		2	120
KUSTANAJ	53 13 N	63 37 E	171		996.8	1015.2	14.3		8.6		5	7			
TURGAJ	49 38 N	63 30 E	123		999.0	1014.7	16.8		8.8		4	9			
KARAGANDA	49 48 N	73 08 E	555		950.2	1014.8	12.7		7.7		4	16			
SEMIPALATINSK	50 21 N	80 15 E	206		990.4	1013.6	14.3		7.8		6	22		3	
BARNAUL	53 20 N	83 42 E	196		990.8	1012.9	10.7		7.6		12	67		5	115
MINUSINSK	53 42 N	91 42 E	251		982.6	1012.6	11.1		7.9		9	49		6	
IRKUTSK	52 16 N	104 21 E	485		956.0	1011.2	10.1		6.9		10	65		6	65
UST'-BARGUIZIN	53 26 N	108 59 E	457		956.6	1011.9	4.9		6.3		6	27			
GUREV	47 01 N	51 51 E	-20		1018.4	1015.7	20.9		8.7		2	4			
FORT SEVCENKO	44 33 N	50 15 E	-20		1017.5	1014.7	19.2		13.2		1	7		2	110
SAM	45 25 N	56 12 E	82		1004.7	1015.1	20.2		10.9		3	12			
BALHAS	46 54 N	75 00 E	423		972.5	1013.3	16.1		9.3		1	4			
KRASNOVODSK	40 02 N	52 59 E	89		1003.0	1012.6	18.1		12.2		2	3		1	55
ASHABAD	37 58 N	58 20 E	230		985.9	1012.2	21.7		12.3		6	27			55
CARDZOU	39 05 N	63 36 E	193		988.3	1010.5	22.6		10.3		2	3			80
CIMBAJ	42 57 N	59 49 E	66		1006.9	1014.5	19.4		13.7		4	47			
TAMDY	41 44 N	64 37 E	220		984.8	1012.4	22.1		7.9		2	3			
TASKENT	41 16 N	69 16 E	428		955.9	1011.2	20.8		10.8		1	18		2	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 i 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-WESTERN															
ALMA-ATA	43 14 N	76 56 E	847		917.5	1013.5	16.3		9.4		9	35		1	50
USSR-EASTERN															
OSTROV KOTELNYJ	76 00 N	137 54 E	10		1008.8	1009.8	-11.3		2.3		5	15			105
COKURDAH	70 37 N	147 53 E	48		1004.8	1012.6	- 6.4		3.3		8	21			80
OSTROV CETYREHSTOLBOVOJ	70 38 N	162 24 E	6		1008.1	1013.4	- 8.1		3.2		1	6			
MYS SMIDTA	68 55 N	179 29 W	7		1014.3	1014.9	- 8.3		3.0		4	10			
MYS UZLEN	66 10 N	169 50 W	7		1015.0	1015.9	- 5.4		3.7		2	6			
ANADYR	64 47 N	177 34 E	62		1006.6	1015.3	- 1.1		1.1		0	0		2	50
KORF	60 21 N	166 00 E	3		1014.4	1014.9	3.9		6.4		5	29		4	80
OSTROV BERINGA NIKOLSKOE	55 12 N	165 59 E	6		1012.1	1013.9	2.4		6.6		10	25		2	45
PETROPAVLOVSK/KAMCATSKIJ	52 58 N	158 45 E	7		1011.7	1014.7	5.3		6.8		0	3		3	100
ICA	55 42 N	155 38 E	4		1014.3	1015.1	2.6		6.6		4	11		1	80
OHOTSK	59 22 N	143 12 E	6		1013.8	1014.5	2.1		6.5		4	19		3	75
AJAN	56 27 N	138 09 E	9		1013.8	1014.9	0.7		6.0		6	18			75
NIKOLAEVSK NA AMURE	53 09 N	140 42 E	47		1006.1	1011.8	6.5		7.6		1	4			
SIMUSIR	46 51 N	151 52 E	26		1009.8	1012.9	2.7		6.4		6	39			
JUZNO-SAHALINSK	46 55 N	142 44 E	31		1012.2	1015.1	6.5		8.0		7	15			
OLENEK	68 30 N	112 26 E	127		984.2	1011.1	1.5		3.9		6	19		3	
DZARDZAN	68 44 N	124 00 E	47		1006.5	1011.4	1.2		4.2		5	14			
VERHOJANSK	67 33 N	133 23 E	137		993.5	1010.3	5.8		4.7		3	11		4	
UST -OLOJ	66 33 N	159 25 E	125		997.1	1012.7	3.4		4.1		3	7			
ILIRNEJ	67 20 N	168 14 E	426		970.2	1014.4	- 2.0		3.9		3	14			
SEJMCAN	62 55 N	152 25 E	207		986.1	1011.7	7.5		5.3		4	15			
KAMENSKOE	62 29 N	166 13 E	106		1011.8	1013.3	3.8		6.1		9	44		5	
VILJUJSK	63 46 N	121 37 E	107		997.6	1011.1	7.5		5.1		5	20		3	
BOGDARIN	54 28 N	113 35 E	917		904.3	1008.3	7.2		5.7		9	44		5	
CITA	52 01 N	113 20 E	685		930.4	1008.1	10.2		6.2		5	64		5	105
MOGOCA	53 44 N	119 47 E	619		934.6	1007.3	9.6		6.7		9	53		5	105
KALAKAN	55 07 N	116 45 E	607		936.2	1007.8	8.4		6.7		13	67		6	
BOMNAK	54 43 N	128 56 E	357		967.0	1008.9	12.0		7.4		3	23			145
IM. POLINY OSIPENKO	52 25 N	136 30 E	65		1002.2	1011.1	11.2		7.6		2	6			135
BLAGOVESCENSK	50 16 N	127 30 E	137		993.3	1009.0	15.2		9.8		6	35		3	
HABAROVSK	48 31 N	135 10 E	72		999.8	1010.6	15.6		10.5		4	16		1	
HONG KONG															
ROYAL OBSERVATORY	22 18 N	114 10 E	33	31	1001.9	1009.1	24.6	- 1.3	25.9	-1.9	13	468	+170	4	72
KINGS PARK	22 19 N	114 10 E	66			U									
DEM PEOPLE'S REP OF KOREA															
CHUN GGANG	41 47 N	126 53 E	332		973.9	1012.2	14.6		10.5		7	43		1	
HYESAN	41 24 N	128 10 E	714		930.1	1014.8	12.2		8.8		9	50			
KIMCHAEK	40 40 N	129 12 E	23		1011.1	1013.9	10.5		11.1		2	24			
SINUIJU	40 06 N	124 23 E	7		1011.9	1012.7	16.2		13.0		3	24		1	
WONSAN	39 11 N	127 26 E	36		1008.4	1012.8	14.7		12.6						
PYONGYANG	39 02 N	125 47 E	38		1008.4	1012.9	16.7		13.1		8	65		4	
HAEJU	38 02 N	125 42 E	81		1003.5	1013.1	16.2		12.7		3	53		2	
REPUBLIC OF KOREA															
KANGNUNG	37 45 N	128 54 E	27	31	1010.0	1013.2	16.7	- 0.8	12.4	+0.4	5	41	- 31	3	92
INCHON	37 29 N	126 38 E	70	31	1004.9	1013.2	16.2	+ 0.5	12.2	-0.3	3	82	+ 9	4	101
PUSAN	35 06 N	129 02 E	71	31	1004.7	1013.1	17.1	0.0	12.9	-0.8	5	128	- 26	3	132
MOKPO	34 47 N	126 23 E	56	31	1007.0	1013.6	17.3	+ 0.4	14.7	+0.4	6	38	- 64	1	109
JAPAN															
WAKKANAI	45 25 N	141 41 E	11	31	1013.3	1014.6	7.9	- 0.8	9.0	+0.3	5	31	- 45	1	82
ASAHIKAWA	43 46 N	142 22 E	116	31	1000.1	1014.0	11.9	+ 0.4	9.1	+0.2	7	30	- 44	0	113
ABASHIRI	44 01 N	144 17 E	39	31	1009.7	1015.0	7.8	- 1.6	8.3	-0.1	7	44	- 23	2	93
SAPPORO	43 03 N	141 20 E	19	31	1012.0	1014.2	11.4	- 0.6	9.5	+0.2	6	34	- 25	1	106
NEMURO	43 20 N	145 35 E	26	31	1012.5	1015.7	5.7	- 1.6	8.0	-0.5	4	54	- 50	1	86
URAKAWA	42 10 N	142 47 E	34	31	1011.1	1015.1	7.1	- 2.3	8.8	-0.8	6	69	- 38	2	85
AKITA	39 43 N	140 06 E	10	31	1012.4	1013.6	13.5	- 0.6	11.5	-0.3	11	95	- 22	3	81
MIYAKO	39 39 N	141 58 E	47	31	1008.9	1014.5	10.3	- 3.0	10.7	-0.1	8	132	+ 32	4	77
SENDAI	38 16 N	140 54 E	40	31	1009.3	1014.6	12.4	- 2.5	11.5	-0.5	9	98	- 11	3	77
WAJIMA	37 23 N	136 54 E	6	31	1012.5	1013.3	14.1	- 1.1	12.8	-0.2	10	84	- 43	1	98
NIIGATA	37 55 N	139 03 E	6	31	1012.5	1013.3	15.2	- 0.7	12.4	-0.5	7	74	- 17	2	107
KANAZAWA	36 33 N	136 39 E	28	31	1010.0	1013.3	16.0	- 0.8	13.0	-0.6	7	105	- 41	2	100
MATSUMOTO	36 15 N	137 58 E	611	31	941.7	1011.4	15.6	+ 0.3	10.2	-0.6	7	66	- 30	2	104
MAEBASHI	36 24 N	139 04 E	113	31	999.8	1013.1	16.6	- 0.5	12.4	-0.5	11	79	- 22	3	105
NAGOYA	35 10 N	136 58 E	56	31	1006.1	1012.6	18.4	+ 0.4	14.3	0.0	8	102	- 60	1	110
TATENO	36 03 N	140 08 E	27			U									
CHOSHI	35 43 N	140 51 E	28	31	1010.0	1013.4	14.2	- 2.8	13.9	-1.8	7	44	-120	1	86
OMAEZAKI	34 36 N	138 13 E	47	31	1007.4	1012.8	17.4	- 0.5	15.9	-0.5	6	116	-124	1	111
TOKYO	35 41 N	139 46 E	36	31	1009.0	1013.2	17.2	- 1.2	13.5	-0.8	7	78	- 70	1	89
HACHIJOJIMA	33 06 N	139 47 E	80	31	1002.6	1012.0	18.1	- 1.1	17.0	-1.0	13	207	- 73	2	97
HACHIJOJIMA/OMURE	33 07 N	139 47 E	156			U									
YONAGO	35 26 N	133 21 E	8	31	1012.3	1013.2	16.0	- 0.9	13.2	-0.7	8	83	- 43	2	118
HIROSHIMA	34 22 N	132 26 E	30	31	1009.3	1012.8	18.0	+ 0.4	14.1	-0.5	7	92	- 69	2	124
OSAKA	34 41 N	135 31 E	50	31	1006.9	1012.8	18.9	- 0.3	13.7	-0.6	7	153	+ 12	4	114
SHIONOMISAKI	33 27 N	135 46 E	75	31	1003.8	1012.6	18.3	- 0.4	16.5	-0.1	8	166	-122	1	109
IZUHARA	34 12 N	129 18 E	22	31	1010.8	1013.5	16.5	- 0.8	13.9	-0.5	5	55	-164	1	124
FUKUOKA	33 35 N	130 23 E	14	31	1011.5	1013.2	18.0	- 0.4	15.3	0.0	6	151	+ 7	4	121

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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															
JAPAN															
OITA	33 14 N	131 37 E	13	31	1011.4	1012.9	17.6	- 0.3	14.9	-0.6	8	140	- 20	3	121
NAGASAKI	32 44 N	129 52 E	35	31	1008.4	1012.5	18.6	- 0.2	15.8	-0.3	6	92	-112	1	130
KAGOSHIMA	31 34 N	130 33 E	5	31	1011.4	1012.0	20.0	+ 0.2	16.9	-0.7	10	175	-100	2	111
KAGOSHIMA/YOSHINO	31 38 N	130 35 E	283			U									
MIYAZAKI	31 55 N	131 25 E	7	31	1011.2	1012.1	19.1	- 0.2	17.5	-0.3	13	242	- 51	2	114
KOCHI	33 34 N	133 33 E	18	31	1010.6	1012.7	19.0	- 0.1	15.0	-1.4	7	157	-120	1	116
SHIMIZU/ASHIZURI	32 43 N	133 01 E	32	31	1008.6	1012.4	19.2	- 0.6	17.5	+0.1	12	160	-119	1	117
NAZE	28 23 N	129 30 E	7	31	1010.1	1011.0	22.4	- 0.1	21.0	-0.5	14	126	-238	0	126
NAZE/FUNCHATOGE	28 23 N	129 33 E	295			U									
ISHIGAKIJIMA	24 20 N	124 10 E	7	31	1009.1	1009.9	24.6	- 1.1	25.9	-1.9	14	226	+ 7	3	84
MIYAKOJIMA	24 47 N	125 17 E	41	31	1005.4	1010.1	23.8	- 1.0	25.6	-1.0	13	249	+ 37	4	84
NAHA	26 14 N	127 41 E	36	31	1006.5	1010.6	23.2	- 0.5	23.5	-1.0	11	216	- 33	3	108
MINAMIDAITOJIMA	25 50 N	131 14 E	15	31	1009.4	1011.3	23.0	- 1.0	24.3	-1.0	10	197	+ 7	3	112
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	956.5	1007.7	22.7	+ 0.6	9.4	-2.0	3	7	- 28		62
DEIR EZZOR	35 19 N	40 09 E	212	31	983.0	1007.1	24.5	+ 0.1	7.9	-2.2	3	1	- 8		60
PALMYRA	34 33 N	38 18 E	404	31	963.4	1010.2	23.7	+ 0.7	8.5	-1.4	2	6	- 2		72
DAMASCUS/NEW INTL AP	33 25 N	36 31 E	611	31	940.9	1007.6	21.0	+ 0.7	8.9	-0.4	0	0	- 3		75
HAMA	35 08 N	36 43 E	309	31	976.2	1011.4	21.9	+ 0.4	9.5	-1.6	1	3	- 8		
ALEPPO	36 11 N	37 13 E	393	31	965.7	1010.1	22.5	+ 1.6	9.9	-2.0	1	1	- 20		76
ISRAEL															
BET DAGAN	32 00 N	34 49 E	35			U									
BEN GURION INT AP	32 00 N	34 54 E	49	31	1006.7	1011.5	22.0		16.5		0	T		2	94
JERUSALEM	31 47 N	35 13 E	809	31	927.0	1495 Y	19.8		10.6		0	T		3	94
JORDAN															
H-4	32 30 N	38 12 E	688	31	932.7	1007.6	22.8		9.3		0	0			91
MAFRAQ	32 22 N	36 16 E	687			U									
AMMAN AIRPORT	31 59 N	35 59 E	762	31	923.0	1009.2	21.6	+ 0.7	9.2	-0.3	0	0	- 5	1	93
MA'AN	30 10 N	35 47 E	1070	31	892.7	1531 Y	21.9		6.6		0	0			94
KUWAIT															
KUWAIT INTL AIRPORT	29 13 N	47 59 E	55	31	1001.2	1007.7	30.0	- 1.1	8.7	-3.4	0	0	- 5		87
SAUDI ARABIA															
EL-WEJH	26 14 N	36 26 E	19		1004.5	1007.1	27.1		21.0		0	0			
YENBO	24 07 N	38 03 E	6		1005.3	1006.0	28.9		20.8		0	0			
JEDDAH (KING ABDULAZIZ) AP	21 40 N	39 09 E	8		1003.9	1004.7	29.3		22.7		0	0			
MAKKAH	21 29 N	39 50 E	94		979.1	1013.2	33.5		19.9		0	0			
RAFHA	29 38 N	43 29 E	440		957.8	1007.0	27.4		7.8		2	2			
AL-JOUF	29 56 N	40 12 E	559		934.4	1008.1	25.6		4.0		0	T			
GIZAN	16 52 N	42 35 E	3		1005.3	1005.7	31.7		29.0						
BADANA	30 58 N	40 59 E	539		947.2	1009.2	25.7		6.5		0	0			
TABOUK	28 24 N	36 35 E	769		924.4	1008.7	26.7		4.9		0	0			
TURAIF	31 41 N	38 40 E	824		918.5	1010.0	22.9		7.2		0	T			
HAIL	27 31 N	41 44 E	988		898.5	1004.7	26.5		3.5		0	0			
HAFOOF	25 33 N	49 38 E			987.2		30.3		10.3		0	T			
MEDINA	24 31 N	39 42 E	632		935.9	1001.4	32.6		5.8		0	0			
TAIF	21 29 N	40 32 E	1457		854.3	1495 Y	25.9		13.7		4	18			
KHAMIS MUSHAIT	18 18 N	42 48 E	2057		797.6	1501 Y	20.5		11.7		4	21			
ABHA	18 08 N	42 23 E	2090			1482 Y	20.0		13.2						
BISHA	19 58 N	42 40 E	1161		882.0	1488 Y	28.7		10.2		7	21			
AL BAHA	20 18 N	41 38 E	1662		836.2	1515 Y	24.5		9.8		3	31			
SULAYIL	20 28 N	45 40 E	612		938.7	1005.7	31.2		6.7		0	T			
RIYADH	24 42 N	46 44 E	608		939.0	3069 Z	31.5		7.7		1	4			
RIYADH(KING KHALED INT AP)	24 55 N	46 43 E	624		939.3	1005.7	28.1		5.3		0	T			
QASSIM	26 17 N	43 51 E	645		934.7	1006.0	29.7		5.1		0	0			
QAISUMAH	28 20 N	46 07 E	356		967.1	1006.9	29.6		6.6		1	8			
DHAHRAN	26 16 N	50 10 E	21		1004.6	1007.4	29.8		13.7		0	0			
NAJRAN	17 36 N	44 25 E	1210		877.1	1487 Y	28.6		10.7		2	21			
OMAN															
SUR	22 35 N	59 30 E			1005.0	1005.7	33.0		25.2		0	0			
SEEB INTERNATIONAL AP	23 35 N	58 17 E			1003.5	1005.1	34.1		21.0		0	0			
MASIRAH	20 41 N	58 54 E			1004.6	1006.8	29.7		29.8		0	0			
SALALAH	17 02 N	54 05 E	22		1004.9	1007.6	29.1		30.0		2	11			
THUMRAIT	17 44 N	53 56 E			957.0		30.0		16.8		0	0			
BAHRAIN															
BAHRAIN MUHARRAQ	26 16 N	50 37 E	2	31	1006.7	1006.9	29.6	- 0.5	25.4	-3.3	0	1	- 1	3	
UNITED ARAB EMIRATES															
ABU DHABI BATEEN AP	24 26 N	54 27 E	3	31		1005.9	30.1	+ 0.4	20.9	-2.5	0	0			89
ABU DHABI NEW INT AIRPORT	24 26 N	54 28 E	3			U									
DEMOCRATIC YEMEN															
ADEN KHORMAKSAR	25 15 N	51 34 E	3		1006.9	1007.2	30.5		32.2		0	T			

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		%
ASIA															
QATAR															
DOHA INTERNATIONAL AP	25 15 N	51 34 E	10		1005.2	1006.1	30.5		16.7		0	T			
AFGHANISTAN															
MAZARI-SHARIF	36 42 N	67 12 E	378	31	965.9	1009.0	25.6	+ 1.3	13.7	+1.2	1	3	- 29	2	95
KABUL-AIRPORT	34 33 N	69 12 E	1803	31	817.8	1458 Y	20.2	+ 3.1	9.2	+0.7	2	6	- 18	1	97
KANDAHAR-AIRPORT	31 30 N	65 31 E	1005	31	895.0	1003.0	26.8	+ 1.4	10.9	+2.2	0	0	- 1	1	89
HERAT	34 11 N	62 13 E	964	31	900.3	1006.0	22.1	+ 0.3	10.7	0.0	0	0	- 11	1	71
PAKISTAN															
PARACHINAR	33 52 N	70 05 E	1725	31	823.1	1443 Y	22.7	+ 2.1	11.3	+0.9	3	8	- 56		
PESHAWAR	34 01 N	71 35 E	359	31	959.7	998.5	31.2	+ 2.1	16.9	+4.2	1	4	- 36	1	108
DERA ISMAIL KHAN	31 49 N	70 55 E	174	31	978.9	997.5	33.8	+ 1.7	12.7	-4.8	0	0	- 9	2	
SARGODHA	32 03 N	72 40 E	184			U									
JHELUM	32 56 N	73 44 E	233	31	972.7	998.0	33.1	+ 2.2	17.0		2	6			
LAHORE CITY	31 33 N	74 20 E	214	31	974.7	997.9	34.2	+ 2.4	13.1	-2.8	0	1	- 11	1	112
QUETTA/SAMUNGLI	30 15 N	66 53 E	1601	31	837.7	1461 Y	22.0	+ 1.4	9.3	-1.5	0	0	- 7	2	99
MULTAN	30 12 N	71 26 E	123	31	984.8	998.1	34.7	+ 1.3	17.9	-1.2	0	0	- 8	2	
DALBANDIN	28 53 N	64 42 E	850	31	910.7	1463 Y	30.3	+ 1.9	6.8	-3.6	0	0	- 2	3	
JACOBADAD	28 18 N	68 28 E	56	31	992.5	998.5	36.3	+ 1.4	15.3	-1.8	0	0	- 4	3	105
PANJGUR	26 58 N	64 06 E	969	31	897.9	1465 Y	29.0	+ 1.1	16.3	+1.4	0	0	- 3	4	
CHHOR	25 31 N	69 47 E	6	31	1000.1	1000.7	33.7		24.7		0	0			
JIWANI	25 04 N	61 48 E	56	31	997.3	1003.7	29.4		28.1		0	0			
HYDERABAD	25 23 N	68 25 E	30	31	997.9	1001.2	34.2	+ 0.1	23.1	+1.0	0	0	- 4	3	
KARACHI AIRPORT	24 54 N	67 08 E	22	31	1000.5	1003.0	30.1	- 0.4	29.9	+1.5	0	0	- 1	5	103
BANGLADESH															
CHITTAGONG AMBAGAN	22 21 N	91 49 E	14			U									
INDIA															
SRINAGAR	34 05 N	74 50 E	1587	31	839.2	1475 Y	18.9	+ 1.0	13.7	+1.4	7	40	- 23	2	106
MUKTESWAR KUMAON	29 28 N	79 39 E	2311	31	770.1	3126 Z	20.3	+ 1.6	15.7	+6.8	1	2	- 49	1	
NEW DELHI/SAFDARJUNG	28 35 N	77 12 E	216	31	974.9	998.3	34.9	+ 1.4	15.3	+1.8	1	3	- 5	2	112
AGRA	27 10 N	78 02 E	169	31	980.7	998.8	36.2	+ 1.7	18.3	+2.9	1	3	- 7	3	
DIBRUGARH/MOHANBARI	27 29 N	95 01 E	111	31	992.1	1004.7	24.8	- 0.5	26.7	+0.8	21	338	- 18	3	
JODHPUR	26 18 N	73 01 E	224	31	977.1	1000.7	35.2	+ 0.8	15.7	+0.2	0	0	- 6	2	
LUCKNOW/AMAUSI	26 45 N	80 53 E	128			U									
GAUHATI	26 06 N	91 35 E	54	31	997.3	1003.4	25.9	- 0.8	28.3	+0.5	19	260	- 14	3	
ALLAHABAD/BAMHRAULI	25 27 N	81 44 E	98	31	987.9	998.5	35.1	+ 0.4	15.3	0.0	0	1	- 7		44
CHERRAPUNJI	25 15 N	91 44 E	1313	31	864.5	1457 Y	18.4	- 0.8	20.5	+0.4	27	3961		6	
DALTONGANJ	24 03 N	84 04 E	221	31	974.3	998.6	34.5	+ 0.6	19.0	+2.5	1	3	- 10	2	
CALCUTTA/ALIPORE	22 32 N	88 20 E	6	31	1000.3	1001.0	30.9	- 0.2	33.0	+1.1	6	93	- 28	3	76
CALCUTTA/DUM DUM	22 39 N	88 27 E	6			U									
BHUBANESWAR	20 15 N	85 50 E	46	31	995.3	1001.3	31.9	- 0.4	31.8	+1.5	2	26	- 35		
BOMBAY/SANTACRUZ	19 07 N	72 51 E	14			U									
BOMBAY/COLABA	18 54 N	72 49 E	11	31	1005.1	1006.3	30.4	+ 0.5	31.1	+0.9	0	0	- 16	3	111
POONA	18 32 N	73 51 E	559	31	943.9	1004.1	30.3	+ 0.8	17.0	-1.6	0	0	- 35	2	114
HYDERABAD AIRPORT	17 27 N	78 28 E	545	31	943.1	1000.7	34.7	+ 2.4	16.7	-4.1	1	1	- 29	1	105
VISHAKHAPATNAM	17 43 N	83 14 E	3	31	1002.6	1003.0	32.5	+ 0.6	31.2	-5.5	2	18	- 35	2	
MASULIPATNAM	16 11 N	81 08 E	3	31	1002.5	1002.8	32.1	- 0.4	33.2	+0.9	2	8	- 28	2	
GOA/PANJIM	15 29 N	73 49 E	60	31	999.8	1006.5	30.7	+ 0.9	30.5		1	5	- 82	2	
BELGAUM/SAMRA	15 51 N	74 37 E	747	31	924.5	1004.7	29.1	+ 1.8	22.8	+0.6	2	15	-108		
MADRAS/MINAMBAKKAM	13 00 N	80 11 E	16	31	1002.3	1003.9	33.1	+ 0.4	28.8	-1.7	0	0	- 52	2	102
PANAMBUR	12 57 N	74 50 E	31			U									
BANGALORE	12 58 N	77 35 E	921	31	906.2	1485 Y	28.3	+ 1.4	21.3	+1.2	7	60	- 57	2	113
KOZHIKODE	11 15 N	75 47 E	5	31	1006.5	1007.1	29.7	+ 0.6	33.2	+1.3	7	43	-280	1	
PORT BLAIR	11 40 N	92 43 E	79	31	998.5	1007.3	27.5	- 0.5	29.8	-0.9	17	233	-163		114
COCHIN/ERNAKULAM	09 56 N	76 14 E	3			U									
PAMBAN	09 16 N	79 18 E	11	31	1004.1	1005.3	31.3	+ 1.2	33.6	+0.7	1	3	- 21	2	
TRIVANDRUM	08 29 N	76 57 E	64	31	999.7	1007.0	28.9	+ 0.6	32.6	+2.1	8	154	- 95	2	109
SRI LANKA															
MANNAR	08 59 N	79 55 E	3		1005.7	1006.1	29.9	+ 0.4	33.3	+1.8	1	3	- 41	2	
TRINCOMALEE	08 35 N	81 15 E	7		997.0	1005.8	30.1	+ 0.3	31.2	+2.6	5	72	+ 4	4	
COLOMBO	06 54 N	79 52 E	6		1006.7	1007.5	28.5	+ 0.5	32.7	-2.0	22	488	+135	5	
HAMBANTOTA	06 07 N	81 08 E	20		1004.9	1006.7	28.6	+ 0.6	32.5	+2.2	0	2	-119	1	
NEPAL															
KATHMANDU AP	27 42 N	85 22 E	1336		860.2	1441 Y	22.5		21.0		15	90			
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	1007.9	1008.3	27.4		31.4	+0.5	15	66	-184	0	100
KOTA BHARU	06 10 N	102 17 E	5	31	1007.5	1008.1	27.3	- 0.6	30.1	-0.3	9	114	- 13	3	95
KUALA LUMPUR/SUBANG	03 07 N	101 33 E	17	31	1007.0	1009.5	27.1	- 0.1	30.1	-0.4	11	134	- 83	2	90
KUALA LUMPUR/PETALING JAYA	30 06 N	101 39 E	57			U									
KUANTAN	03 47 N	103 13 E	16	31	1006.8	1008.6	26.2	- 0.5	29.8	-0.4	15	155	- 73	2	90
MALACCA	02 16 N	102 15 E	11	31	1007.6	1008.7	26.8	- 0.2	30.6	-0.1	12	145	- 14	3	90

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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	QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
ASIA															
MALAYSIA															
KUCHING	01 29 N	110 20 E	27	31	1006.5	1009.1	26.2	- 0.3	29.4	-0.1	14	159	-114	1	75
KOTA KINABALU	05 57 N	116 03 E	7	31	1007.9	1008.1	27.0	- 0.1	30.4	+0.9	23	492	+265	6	95
SINGAPORE															
SINGAPORE/PAYA LEBAR	01 22 N	103 55 E	32	31	1006.7	1008.5	27.3		30.3		11	187		3	109
LAO PEOPLE'S DEM REP															
SAYABOURY	19 14 N	101 44 E	323			1006.6	27.3	- 0.5	28.3	-2.0	15	156	- 2		
VIENTIANE	17 57 N	102 31 E	170		987.7	1007.0	28.3	- 0.1	27.7	-1.5	14	148	-102		
SENO	16 40 N	105 00 E	184		985.1	1006.4			29.1	-1.0	17	139	- 56		
SAVANNAKHET/TOWN/VILLE/	16 33 N	104 45 E	155		988.8	1006.4	28.5		29.8		13	180			
PAKSE	15 07 N	105 47 E	93		996.3	1006.9	28.5	- 0.3	28.2	+0.1	14	198	- 1		
CHINA															
HAILAR	49 13 N	119 45 E	614		936.8	1007.6	12.2		7.4		3	22		3	100
QIQIHAR	47 23 N	123 55 E	147		991.1	1008.4	15.8		9.9		4	21		3	105
ALTAY	47 44 N	88 05 E	735		929.2	1013.5	15.0		8.0		5	37		5	90
URUMQI	43 54 N	87 28 E	654		909.8	1013.2	16.5		7.3		5	26		3	100
EREN	43 39 N	112 00 E	966		900.9	1009.3	15.5		5.3		2	6		3	105
YANJI	42 53 N	129 28 E	178		991.2	1012.3	14.8		9.7		6	27		1	100
HAMI	42 49 N	93 31 E	739		924.5	1006.8	20.8		7.1		0	T		2	95
SHENYANG	41 49 N	123 33 E	43		1006.1	1011.2	18.4		11.3		7	13		0	95
BEIJING	39 48 N	116 28 E	32		1004.4	1010.9	20.6		12.5		1	8		1	100
JIUQUAN	39 46 N	98 31 E	1478		849.2	1008.9	16.3		6.9		0	T		2	85
KASHI	39 28 N	75 59 E	1291		867.3	1007.0	19.1		9.4		2	29		5	90
RUOQIANG	39 02 N	88 10 E	889		907.8	1006.3	21.8		7.0		1	1		5	115
YINCHUAN	38 29 N	106 13 E	1113		886.8	1009.6	17.4		10.4		5	72		6	110
TAIYUAN	37 47 N	112 33 E	779		923.7	1011.9	16.9		12.0		8	74		5	80
HOTAN	37 08 N	79 56 E	1375		858.0	1004.6	21.4		8.4		2	8		4	110
DULAN	36 20 N	98 02 E	3192		691.0		9.4		3.5		2	10		2	105
QINGDAO	36 04 N	120 20 E	77						13.1		3	56		4	105
LANZHOU	36 03 N	103 53 E	1518		845.2		16.3		9.8		8	57		5	90
ZHENGZHOU	34 43 N	113 39 E	111		998.7	1011.8	20.1		15.8		7	47		5	95
QAMDO	31 11 N	96 59 E	3242		681.0		11.6		6.6		9	41		3	105
SHANGHAI	31 10 N	121 26 E	5		1011.6	1012.4	18.8		17.2		10	115		3	110
YICHANG	30 42 N	111 05 E	131		995.4	1011.1	20.9		19.5		12	106		2	100
CHENGDU	30 40 N	104 01 E	508		952.2	1009.9	20.2		19.0		15	140		5	95
LHASA	29 42 N	91 08 E	3659		651.3		12.4		5.4		5	28		4	90
NANCHANG	28 40 N	115 58 E	50		1004.6	1010.0	21.2		20.9		16	283		3	110
XICHANG	27 53 N	102 18 E	1592		834.9		19.1		14.7		20	189		5	95
ZHIJIANG	27 27 N	109 38 E			978.6	1010.1	19.9		19.1		16	332		5	105
GANZHOU	25 50 N	114 50 E	125		995.6	1010.1	22.7		22.1		15	248		4	105
TENGCHONG	25 07 N	98 29 E	1649		832.6		17.4		17.1		17	217		5	40
KUNMING	25 01 N	102 41 E	1892		808.7		18.4		14.9		10	69		2	85
SHANTOU	23 24 N	116 41 E	3		1009.4	1009.8	23.0		23.9		13	329		5	85
GUANGZHOU	23 08 N	113 19 E	7		1007.9	1008.8	24.5		25.9		15	218		2	55
NANNING	22 49 N	108 21 E	73		999.3	1007.7	24.9		25.2		14	205		4	85
MENGZI	23 23 N	103 23 E	1302		865.7	1004.9	22.0		17.5		10	69		2	110
HAIKOU	20 02 N	110 21 E	15		1005.8	1007.5	26.2		29.2		14	164		3	90
PHILIPPINES															
BASCO	20 27 N	121 58 E	11	31	1006.2	1007.4	27.8	0.0	33.6	+1.9	14	300	+181	5	
APARRI	18 22 N	121 38 E	4	31	1007.1	1007.4	28.4	- 0.7	31.7	+1.9	16	216	+130	5	
DAGUPAN	16 03 N	120 20 E	2	31	1008.4	1008.7	28.8	- 0.9	31.7	+1.9	22	138	- 74	2	
MANILA INT. AIRPORT	14 31 N	121 00 E	15	31	1008.4	1009.0	29.0	- 0.6	28.1	0.0	16	49	- 56	2	
TAYABAS	14 02 N	121 35 E	158	31	991.1	1008.7	24.6	- 3.0	31.7	+1.9	13	132	-139		
DAET	14 08 N	122 59 E	4	31	1008.2	1008.7	28.3	- 0.2	31.7	+1.9	16	217	+ 80	5	
CALAPAN	13 25 N	121 11 E	40	31	1003.8	1008.3	28.0	- 0.4			11	40	-133		
LEGASPI	13 08 N	123 44 E	19	31	1007.1	1009.0	28.0	- 0.2	31.7	+1.9	12	87	- 95	1	
ROMBLON	12 35 N	122 16 E	47	31	1003.5	1009.0	29.3	- 0.2	33.6	+3.8	12	115	- 18		
CATARMAN	12 29 N	124 38 E	6	31	1009.6	1010.3	27.6	+ 0.2			25	228	+ 71		
CATBALOGAN	11 47 N	124 53 E	5	31	1007.5	1008.1	29.0	+ 0.5			17	85	-107	1	
TACLOBAN	11 15 N	125 00 E	21	31	1008.2	1008.5	28.0	0.0	31.7	+1.9	12	169	+ 20	4	
ILOILO	10 42 N	122 34 E	14	31	1008.4	1009.3	28.9	+ 0.4	31.7	+1.9	21	110	- 28	3	
CEBU	10 20 N	123 54 E	35	31			28.9	+ 0.1	29.8	+1.7	12	78	- 37	3	
MACTAN	10 18 N	123 58 E	9	31	1006.2	1007.6	29.4	+ 0.3	31.7	+1.9	14	104	+ 38	3	
DIPLOG	08 36 N	123 21 E	5	31	1009.2	1009.8	28.9	+ 0.5			25	291	+ 68	4	
TAGBILARAN	09 36 N	123 51 E	6	31	1007.7	1008.4	28.1	- 0.4	31.7	+1.9	14	112	+ 40		
CAGAYAN DE ORO	08 29 N	124 38 E	6	31	1006.6	1007.3	28.2	+ 0.1	31.7	+1.9	10	97	- 22		
DAVAO AIRPORT	07 07 N	125 39 E	25	31	1006.6	1008.6	27.8	0.0	29.8	0.0	13	81	-145		
ZAMBOANGA	06 54 N	122 04 E	6	31	1008.3	1009.0	28.4	+ 0.8			24	128	+ 33	2	
AUSTRALASIA															
INDONESIA															
TAREMPA	03 12 N	106 15 E	3		1005.3	1005.7	27.7		29.8		12	220			
PALEBANG/TALANGBETUTU	02 54 S	104 42 E	10		1008.0	1009.5	26.2		29.9		19	165			
PANGKALPINANG	02 10 S	106 08 E	33			1008.7	26.0		28.7		25	290			
TELUKBETUNG/BERANTI	05 16 S	105 11 E	96		999	1009	26.9		26.2		12	144			145
KETAPANG/RAHADI USMAMAN	01 51 S	109 58 E	9		1009.2	1010.5	25.9		29.6		17	120			
TAHUNA	03 35 N	125 28 E	38				27.2		31.0		26	254			
MENADO/DR SAM RATULANGI	01 32 N	124 55 E	80			1009.8	25.7		28.7		25	469			

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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	SUNSHINE: PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
AUSTRALASIA															
INDONESIA															
GORONTALO/JALALUDDIN	00 31 N	123 04 E	2		1005	1007.9	26.2		30.0		22	172			
PAPUA NEW GUINEA															
MOMOTE M.O.	02 04 S	147 26 E	5		1008.5	1009.1	27.1	- 0.6	30.9		28	458		5	
RABAUL M.O.	04 13 S	152 11 E	9		1007.8	1008.8	27.3	- 0.1	29.8		9	108		3	
MADANG	05 13 S	145 48 E	12		1008.5	1009.1	26.9	+ 0.3	28.8		24	430		3	91
PORT MORESBY AIRPORT	09 26 S	147 13 E	47		1002.9	1008.2	27.1		27.5		6	18		2	86
AUSTRALIA WESTERN															
BROOME	17 57 S	122 13 E	9		1010.9	1011.9	26.1	+ 1.2	15.4	+0.2	0	0		0	
PORT HEDLAND	20 23 S	118 37 E	11		1012.1	1012.8	25.6	+ 2.0	14.0	+1.8	1	4	- 29	3	
NORTH WEST CAPE	21 49 S	114 10 E	8		1013.5	1014.1	23.0	+ 1.2	19.1		9	231			
CARNARVON	24 53 S	113 39 E	4		1014.3	1015.1	19.2	- 1.1	16.2	+2.4	7	90	+ 48	5	
GERALDTON	28 48 S	114 42 E	34		1011.4	1015.4	17.9	- 0.3	14.7	+2.0	16	112	+ 38	5	
PERTH AIRPORT	31 56 S	115 58 E	18		1014.1	1015.5	16.3	+ 0.6	13.8	+1.2	19	143	+ 31	5	76
ALBANY M.O.	34 57 S	117 48 E	69		1005.2	1013.4	14.6	+ 0.5	12.6	-0.1	17	100	+ 11	2	
ESPERANCE M. O.	33 49 S	121 53 E	25		1012.7	1015.8	15.7	+ 0.3	12.6	+0.2	14	77	- 11	3	
HALLS CREEK	18,14 S	127 40 E	408		965.3	1013.4	24.6	+ 1.3	10.7	+0.4	0	0			
GILES	25 02 S	128 18 E	599		949.1	1017.7	19.1	+ 1.9	7.6	-0.1	1	4	- 16		95
MEEKATHARRA	26 35 S	118 30 E	518		957.3	1016.7	17.2	- 0.3	12.1	+2.9	6	96	+ 72	6	
KALGOORLIE	30 46 S	121 27 E	360		975.3	1017.3	14.6	+ 0.2	11.2	+0.8	4	30	+ 5	4	
FORREST	30 50 S	128 06 E	157		999.9	1019.0	16.1	+ 0.7	10.9		3	6	- 8	3	
AUSTRALIA-NORTHEASTERN															
WILLIS ISLAND	16 18 S	149 59 E	8		1011.9	1012.9	25.7	- 0.1	24.7	-1.2	12	40	- 17	3	
THURSDAY ISLAND	10 35 S	142 13 E	61		1003.5	1010.4	25.9	- 0.8	27.4	-0.8	8	40	+ 6		
DARWIN AIRPORT	12 26 S	130 52 E	29		1007.7	1011.1	28.0	+ 1.1	22.7	+1.6	0	0		2	105
TENNANT CREEK M.O.	19 33 S	134 11 E	376		972.4	1015.2	22.7	- 1.1	8.0	-0.1					117
ALICE SPRINGS	23 48 S	133 53 E	549		955.9	1019.1	16.5	+ 1.0	7.7	-0.7	0	0		2	106
MT. ISA M.O.	20 40 S	139 29 E	340		976.5	1015.8	20.8	+ 0.2	9.2	-0.2	0	0			116
LONGREACH M. O.	23 26 S	144 15 E	193		995.4	1018.0	19.7	+ 0.8	9.0	-1.3	0	0	+ T	2	
CHARLEVILLE	26 25 S	146 17 E	304		984.5	1020.1	16.3	+ 0.6	9.5	-1.0	0	1	- 27	1	
CAIRNS	16 55 S	145 44 E	7		1013.9	1014.7	23.9	+ 0.3	22.8	+1.8	10	46	- 45	1	
TOWNSVILLE	19 16 S	146 46 E	6		1015.5	1016.2	22.7	+ 0.4	18.4	+0.5	0	0		0	127
MACKAY	21 07 S	149 10 E	31		1013.6	1017.2	20.3	- 0.1	19.2	+0.6	8	65	- 13	3	
GLADSTONE	23 51 S	151 16 E	76		1009.7	1018.6	21.1		15.7	-0.3	0	0		1	
BRISBANE AIRPORT	27 26 S	153 05 E	6		1019.7	1020.4	18.1	- 0.4	13.9	+0.1	6	45	- 28	3	95
AUSTRALIA-SOUTHEASTERN															
OODNADATTA	27 33 S	135 27 E	113		1006.9	1020.8	17.1	+ 0.8	8.7	-0.2	1	4	- 11	3	109
WOOMERA	31 09 S	136 48 E	166		1001.8	1021.9	15.7	+ 1.0	9.2	-0.6	3	11	- 7	4	101
MOREE	29 28 S	149 51 E	212		996.3	1021.4	14.6	- 0.4	10.3	-0.8	0	0		1	
COFF S HARBOUR	30 18 S	153 08 E	5		1021.1	1021.7	15.8	- 0.4	14.1	-0.5	9	76	- 58	3	108
COBAR M.O.	31 29 S	145 50 E	265		990.7	1022.2	13.9	- 0.4	9.4	+0.2				1	
MILDURA	34 14 S	142 05 E	53		1016.1	1022.5	13.3	+ 0.2	9.4	-1.0	0	1	- 27	1	
WAGGA	35 10 S	147 28 E	214		997.6	1023.2	11.1	- 0.2	9.7	-0.2	3	10	- 42	1	
CANBERRA	35 18 S	149 12 E	577		955.0	1023.4	8.7	- 0.3	8.4	+0.2	2	16	- 35	2	114
CEDUNA	32 08 S	133 42 E	17		1018.7	1020.8	15.3	+ 0.7	11.1	+0.2	5	19	- 20	2	105
ADELAIDE AIRPORT	34 57 S	138 32 E	11		1021.2	1021.7	14.7	+ 0.9	10.7	-0.2	7	39	- 27	2	122
MT. GAMBIER M.O.	37 45 S	140 47 E	69		1012.5	1020.9	12.3	+ 0.9	10.9		13	52	-242	0	109
LAVERTON AIRPORT	37 52 S	144 45 E	14		1020.9	1022.6	11.7	- 0.4	9.9	-2.8	2	5	- 48	1	167
EAST SALE	38 06 S	147 08 E	8		1021.9	1022.9	10.4	- 1.0	9.7	-0.7	6	21	- 37	3	122
SYDNEY AIRPORT	33 57 S	151 11 E	8		1021.7	1022.2	14.7	- 0.2	12.3	+0.8	8	107	+ 9	3	108
WILLIAMTOWN	32 49 S	151 50 E	9		1020.9	1022.2	14.5	- 0.3	12.8	+0.9	7	59	- 43	2	102
HOBART AIRPORT	42 50 S	147 30 E	7		1019.7	1020.1	10.9	+ 0.3	9.5	+0.6	3	11	- 40	1	102
NEW ZEALAND															
KAITAIA AERODROME	35 04 S	173 17 E	80	31	1008.8	1018.4	14.3		13.5		8	97		2	95
AUCKLAND AERODROME	37 01 S	174 48 E	6	31	1018.1	1018.9	13.2		12.9		8	77		2	108
GISBORNE AERODROME	38 40 S	177 59 E	8	31	1016.8	1017.8	11.2		10.5		7	51		1	118
NEW PLYMOUTH AERODROME	39 01 S	174 11 E	36	31	1013.9	1018.3	12.0		11.5		10	11		1	95
WELLINGTON	41 17 S	174 46 E	128	31	1001.1	1016.9	11.0		10.2		11	89		2	123
CHRISTCHURCH AERODROME	43 29 S	172 32 E	34	31	1012.1	1016.5	7.7		8.4		6	48		2	114
HOKITIKA AERODROME	42 43 S	170 59 E	40	31	1010.6	1016.0	9.4		9.3		17	164		2	97
INVERCARGILL AERODROME	46 25 S	168 20 E	1	31	1016.1	1016.3	7.2		8.6		13	106		4	77
NORTH PACIFIC															
LIHUE, KAUAI, HAWAII	21 59 N	159 21 W	45	31	1013.2	1018.6	25.7	+ 1.5	22.1		5	12	- 64	1	142
HONOLULU, OAHU, HAWAII	21 21 N	157 56 W	5	31	1017.3	1017.7	25.9	+ 0.6	20.5		2	4	- 27	2	106
HILO/GEN. LYMAN, HAWAII	19 43 N	155 04 W	11	31	1016.9	1018.3	23.3	+ 0.2	20.9		20	167	- 71	2	180
WAKE ISLAND	19 17 N	166 39 E	4	31	1014.6	1015.0	28.7	+ 2.0	26.9		11	41	- 7	2	93
JOHNSTON ISLAND	16 44 N	169 31 W	5	31	1014.9	1015.5	26.7	+ 0.6	25.5		10	21	- 25	2	117
GUAM, TAGUAC, MARIANA IS.	13 33 N	144 50 E	111	31	998.1	1010.8	26.6	+ 0.1	28.1		17	79	- 84	3	109
YAP, CAROLINE ISLANDS	09 29 N	138 05 E	17	31	1007.6	1009.5	28.8	+ 1.2	31.3		11	45	-208	0	154
KWAJALEIN, MARSHALL IS.	08 43 N	167 44 E	8	31	1009.8	1010.7	28.7	+ 1.1	27.4		5	13	-272	0	
TRUK, CAROLINE ISLANDS	07 28 N	151 51 E	2	31	1009.5	1009.7	28.7	+ 1.2				281	-116		123
KOROR, PALAU ISLANDS	07 20 N	134 29 E	33	31	1005.8	1009.4	28.2	+ 0.3	31.2		24	276	- 57	2	102
MAJURO, MARSHALL ISLANDS	07 05 N	171 23 E	3	31	1010.2	1010.5	27.5	+ 0.3	28.5		8	106	-207	0	90
PONAPE, CAROLINE ISLANDS	06 58 N	158 13 E	46	31	1004.1	1009.2	28.5	+ 1.4	28.9		13	171	-346	0	90
TARAWA, GILBERT ISLANDS	01 21 N	172 55 E	4	31	1006.6	1007.0	27.4		31.4		16	122		3	

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 1 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															
HONIARA/HENDERSON	09 25 S	160 03 E	9		1008.0	1009.0	26.6		28.1		15	174		4	
FUNAFUTI, ELLICE IS.	08 31 S	179 13 E	2	31	1009.0	1009.2	28.1		31.9		20	225		3	
ATUONA, MARQUESAS ISLAND	09 48 S	139 02 W	52	31	1005.1	1011.0	26.5		28.6		16	190		5	95
APIA, SAMOA	13 48 S	171 47 W	2	31	1010.4	1010.7	26.7		29.1		14	59		1	110
PAGO PAGO, SAMOA	14 20 S	170 43 W	3	31	1011.5	1011.8	27.7	+ 1.1	29.9		15	122	-151	1	98
RANGIROA	14 58 S	147 40 W	4	31	1011.8	1012.2	27.7		27.8		11	38		1	105
TAKAROA, TUAMOTU IS.	14 29 S	145 02 W	3	31	1011.8	1012.1	27.8		28.7		5	54		2	100
PUKA-PUKA, TUAMOTU IS.	14 48 S	138 49 W	3	31	1011.7	1012.1	27.8		28.4		7	74		3	110
HAO, TUAMOTU IS.	18 04 S	140 57 W	3	31	1013.0	1013.4	26.9		26.7		10	62		2	85
HEREHERETUE, TUAMOTU IS.	19 52 S	145 00 W	3	31	1013.5	1013.9	26.0		25.8		11	133		3	95
BORA-BORA, SOCIETY IS.	16 29 S	151 45 W	3	31	1011.7	1012.0	26.8		28.6		18	121		2	90
TAHITI, SOCIETY IS.	17 33 S	149 37 W	2	31	1012.4	1012.7	26.4		26.6		7	153		4	105
NANDI, FIJI IS.	17 45 S	177 27 E	18	31	1009.8	1011.9	25.4		24.1		13	288		5	63
NAUSORI	18 03 S	178 34 E	5	31	1011.1	1012.4	24.8		28.1		18	459		5	
RAROTONGA, COOK IS.	21 12 S	159 49 W	7	31	1015.2	1016.0	23.3		22.2		7	143		3	102
TOTEGEGIE, GAMBIER IS.	23 06 S	134 52 W	3	31	1005.4	1015.6	22.8		21.8		11	44			
MURUROA	21 49 S	138 49 W	3	31	1014.6	1015.0	24.9		25.2		14	198		5	90
TUBAI, AUSTRAL IS.	23 21 S	149 29 W	3	31	1015.0	1015.3	22.4		21.5		11	146		3	95
RAPA, AUSTRAL IS.	27 37 S	144 20 W	6	31	1016.6	1016.9	20.3		18.1		16	187		2	105
RAOUL IS.,KERMADEC IS.	29 15 S	177 55 W	49	31	1012.1	1018.0	18.7		17.4		10	118		3	75
NORFOLK ISLAND	29 03 S	167 56 E	109		1004.7	1017.5	18.5	+ 0.1	16.8	+0.8	14	193		4	90
LORD HOWE ISLAND	31 32 S	159 04 E	11		1014.5	1019.9	18.6	+ 0.1	16.0		12	95			
CHATHAM ISLAND	43 57 S	176 34 W	48	31	1006.2	1012.0	9.9		10.4		19	73		2	107
CAMPBELL ISLAND	52 33 S	169 09 E	19	31	1006.2	1008.5	6.2		7.6		20	102		2	67
MACQUARIE ISLAND	54 30 S	158 57 E	5		1007.7	1008.4	4.9	+ 0.8	7.4		20	74		2	81
COCOS ISLAND AP	12 11 S	96 49 E	3		1009.5	1009.8	27.5	+ 0.6	31.3	+3.0	19	389		5	
OCEAN SHIPS STATIONS															
SHIP L	57 00 N	20 00 W		31		1015.9	8.5 S 9.9		8.9						

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		%
JULY 1983															
EUROPE															
GREECE															
KERKYRA	39 37 N	19 55 E	2	31	1011.8	1012.4	27.0	+ 0.3	22.5	+1.0	0	1	- 3	3	79
KALAMATA	37 04 N	22 01 E	8	31	1010.6	1012.0	26.3	- 0.6	20.9	-0.6	2	24	+ 22	5	
THESSALONIKI/MIKRA	40 31 N	22 58 E	4	31	1012.2	1012.9	26.3	- 1.1	20.0	+2.1	8	33	+ 10	4	
LARISSA	39 38 N	22 25 E	74	31	1003.3	1011.8	26.9	- 1.5	18.0	-0.9	3	77	+ 63	6	67
ATHINAI /NAT. OBS./	37 58 N	23 43 E	107	31	999.5	1011.7	26.8	- 0.8	18.5	-0.4	1	5	- 1	4	77
ATHENS/HELLINIKON	37 54 N	23 44 E	15	31	1010.2	1012.0	27.1	- 1.1	19.4	+1.2	1	46	+ 41	5	
SOUDA/CRETE	35 33 N	24 07 E	151	31	994.1	1011.6	26.1	- 0.2	18.1	+0.5	1	12	+ 12	6	
HIRAKLION/CRETE	35 20 N	25 11 E	39	31	1006.5	1011.2	25.7	- 0.8	20.6	-0.9	1	4	+ 4	5	77
AUGUST 1983															
EUROPE															
GREECE															
KERKYRA	39 37 N	19 55 E	2	31	1013.1	1013.7	25.3	- 1.2	22.5	+1.0	3	55	+ 35	5	75
KALAMATA	37 04 N	22 01 E	8	31	1011.9	1013.3	25.3	- 1.7	19.4	-2.1	2	30	+ 22	5	
THESSALONIKI/MIKRA	40 31 N	22 58 E	4	31	1013.8	1014.4	24.7	- 2.3	17.7	-0.2	3	18	+ 4	3	
LARISSA	39 38 N	22 25 E	74	31	1004.7	1013.2	24.7	- 3.1	15.8	-3.1	2	11	- 4	4	69
ATHINAI /NAT. OBS./	37 58 N	23 43 E	107	31	998.6	1010.1	25.6	- 1.8	12.8	-5.1	1	15	+ 8	5	83
ATHENS/HELLINIKON	37 54 N	23 44 E	15	31	1011.6	1013.4	26.2	- 2.1	17.3	-0.9	0	0	- 7	3	
SOUDA/CRETE	35 33 N	24 07 E	151	31	995.5	1013.0	24.9	- 1.1	17.4	-0.6	0	0	- 1	4	
HIRAKLION/CRETE	35 20 N	25 11 E	39	31	1007.8	1012.4	25.1	- 1.4	19.0	-2.5	0	0	- 1	5	83
ASIA															
ISRAEL															
EILAT	29 33 N	34 57 E	13	31	1005.1	1006.2	32.4 S24.7		14.1		0	0		5	104
SEPTEMBER 1983															
EUROPE															
GREECE															
KERKYRA	39 37 N	19 55 E	2	30	1014.6	1015.2	22.5	- 0.3	18.8	-0.9	1	1	- 81	1	72
KALAMATA	37 04 N	22 01 E	8	30	1014.7	1013.3	22.5	- 1.6	18.0	-2.9	1	33	+ 9	4	
THESSALONIKI/MIKRA	40 31 N	22 58 E	4	30	1015.7	1016.4	21.2	- 1.5	16.0	-0.9	2	9	- 22	2	
LARISSA	39 38 N	22 25 E	74	30	1006.4	1015.1	21.2	- 1.7	14.2	-2.7	2	3	- 20	2	69
ATHINAI /NAT. OBS./	37 58 N	23 43 E	107	30	1000.0	1012.4	22.9	- 0.6	11.4	-6.5	1	3	- 12	2	80
ATHENS/HELLINIKON	37 54 N	23 44 E	15	30	1013.2	1015.0	23.6	- 1.0	15.0	-2.0	1	2	- 9	2	
SOUDA/CRETE	35 33 N	24 07 E	151	30	997.0	1014.7	22.4	- 0.5	16.5	-0.4	1	13	- 3	4	
HIRAKLION/CRETE	35 20 N	25 11 E	39	30	1009.4	1014.1	22.9	- 1.0	17.6	-0.3	0	0	- 11	2	78
OCTOBER 1983															
EUROPE															
GREECE															
KERKYRA	39 37 N	19 55 E	2	31	1018.6	1019.2	18.0	- 0.9	15.8	+0.5	5	106	- 76	1	56
KALAMATA	37 04 N	22 01 E	8	31	1017.8	1019.1	17.7	- 2.1	14.4	-2.0	4	83	- 1	4	
THESSALONIKI/MIKRA	40 31 N	22 58 E	4	31	1021.1	1021.7	15.4	- 1.9	11.3	-2.3	3	18	- 38	1	
LARISSA	39 38 N	22 25 E	74	31	1011.5	1020.4	15.4	- 1.6	10.5	-3.1	6	21	- 43	1	52
ATHINAI /NAT. OBS./	37 58 N	23 43 E	107	31	1004.8	1017.3	17.4	- 1.6	12.9	-2.4	1	22	- 29	2	67
ATHENS/HELLINIKON	37 54 N	23 44 E	15	31	1018.4	1020.2	18.1	- 1.4	12.9	-1.6	1	43	- 10	3	
SOUDA/CRETE	35 33 N	24 07 E	151	31	1001.3	1019.3	18.0	- 1.0	13.8	-1.4	6	209	+116	5	
HIRAKLION/CRETE	35 20 N	25 11 E	39	31	1014.0	1018.8	18.7	- 1.8	15.2	-2.3	4	64	- 11	4	63
NOVEMBER 1983															
SOUTH AMERICA															
ECUADOR															
SAN CRISTOBAL/GALAPAGOS	00 54 S	89 36 W	6	30	1012.1		24.2	+ 1.3	24.1	+3.3	11	5	+ 1	3	135
EUROPE															
GREECE															
KERKYRA	39 37 N	19 55 E	2	30	1014.7	1015.2	14.0	- 0.9	12.9	-0.7	11	294	+ 62	4	41
KALAMATA	37 04 N	22 01 E	8	30	1014.1	1015.4	14.6	- 1.4	12.8	+0.1	3	277	+142	6	
THESSALONIKI/MIKRA	40 31 N	22 58 E	4	30	1018.4	1019.1	9.3	- 2.9	9.4	-1.8	9	60	+ 4	3	
LARISSA	39 38 N	22 25 E	74	30	1008.8	1017.8	9.6	- 2.1	9.4	-1.5	9	41	- 14	3	26
ATHINAI /NAT. OBS./	37 58 N	23 43 E	107	30	1001.6	1015.7	13.1	- 1.6	11.4	-0.6	6	73	+ 17	4	25
ATHENS/HELLINIKON	37 54 N	23 44 E	15	30	1015.3	1017.2	14.0	- 1.8	11.3	-1.6	6	105	+ 57	5	
SOUDA/CRETE	35 33 N	24 07 E	151	30	997.9	1016.1	15.3	- 0.6	13.0	-0.2	10	147	+ 87	5	
HIRAKLION/CRETE	35 20 N	25 11 E	39	30	1010.9	1015.8	16.2	- 1.1	13.4	-0.2	10	141	+ 79	5	24

SURFACE DATA LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
DECEMBER 1983															
EUROPE															
GREECE															
KERKYRA	39 37 N	19 55 E	2	31	1015.4	1015.9	11.5	- 0.1	11.0	-0.2	14	234	+ 1	3	28
KALAMATA	37 04 N	22 01 E	8	31	1015.7	1017.0	11.2	- 1.3	10.8	-1.2	15	267	+ 98	4	
THESSALONIKI/MIKRA	40 31 N	22 58 E	4	31	1019.5	1020.2	7.0	- 0.7	8.4	-0.1	10	142	+ 87	5	
LARISSA	39 38 N	22 25 E	74	31	1009.6	1018.8	6.3	- 0.5	8.4	+0.4	9	157	+ 86	5	25
ATHINAI /NAT. OBS./	37 58 N	23 43 E	107	31	1002.4	1015.5	14.6	+ 3.6	10.1	-0.4	6	77	+ 6	3	51
ATHENS/HELLINIKON	37 54 N	23 44 E	15	31	1016.3	1018.3	11.6	- 0.6	10.1	-0.3	6	69	+ 4	4	
SOUDA/CRETE	35 33 N	24 07 E	151	31	999.3	1017.6	12.6	+ 0.2	10.9	+0.1	9	40	- 55	2	
HIRAKLION/CRETE	35 20 N	25 11 E	39	31	1012.7	1017.6	13.6	- 0.1	11.0	-0.2	13	105	+ 20	4	49
JANUARY 1984															
AFRICA															
SUDAN															
DONGOLA	19 10 N	30 29 E	226	31	989.2	1016.1	16.3	+ 1.7	5.9	+1.9	0	0		5	
PORT SUDAN	19 35 N	37 13 E	2	31	1013.7	1014.1	23.3	0.0	20.2	+1.4	0	T		5	
KHARTOUM	15 36 N	32 33 E	380	31	966.6	1010.9	22.3	+ 1.1	6.9	+1.6	0	0		5	
EL OBEID	13 10 N	30 14 E	574	31	947.6	1013.0	20.0	+ 2.0	5.3	+1.0	0	0		5	
DAMAZINE	11 47 N	34 23 E	470	31	955.2	1007.2	25.6	+ 0.4	9.8	+0.4	0	0		5	
MALAKAL	09 33 N	31 39 E	388	31	964.7	1008.7	25.3	+ 1.4	7.1	+2.9	0	0		5	
JUBA	04 52 N	31 36 E	457	31	956.6	1007.7	26.5	+ 1.7	13.5	+1.8	0	0		5	
FEBRUARY 1984															
NORTH AMERICA															
HONDURAS															
SANTA ROSA DE COPAN	14 47 N	88 48 W	1080		894.0	1012.4	18.2		17.7		5	34			
TEGUCIGALPA	14 02 N	87 15 W	998		902.0	1012.2	20.1		17.0		2	8		4	85
AMAPALA	13 17 N	87 38 W	5		1011.8	1012.3	29.1		28.3		1	3			
CHOLUTECA	13 18 N	87 11 W	48		1004.6	1010.4	28.7		24.2		2	8			105
LA MESA INTL. AIRPORT	15 27 N	87 56 W	31		1010.8	1014.3	24.4		25.1		8	35			
CATACAMAS	14 54 N	85 56 W	442			1013.4	24.4		22.6		10	24			
TELA	15 42 N	87 28 W	3		1011.9	1012.3	24.8				11	26		4	
CEIBA	15 45 N	86 51 W	26		1012.4	1015.4	24.3		24.8		13	97		6	
GUANAJA	16 28 N	85 54 W	2		1013.0	1013.0	26.7		27.5		13	84			
PUERTO LEMPIRA	15 13 N	83 47 W	13		1010.7	.	26.3		29.0		14	50			
AFRICA															
SUDAN															
DONGOLA	19 10 N	30 29 E	226	29	985.2	1011.5	21.3	- 1.0	5.6		0	0		6	
PORT SUDAN	19 35 N	37 13 E	2	29	1011.8	1012.1	26.3	+ 3.0	22.3		0	0		5	
KHARTOUM	15 36 N	32 33 E	380	29	963.0	1006.4	26.7	- 1.4	7.8	+0.5	0	0		5	
EL OBEID	13 10 N	30 14 E	574	29	944.2	1008.4	24.6	+ 0.5	5.6	+0.1	0	0		5	
DAMAZINE	11 47 N	34 23 E	470	29	981.7	1003.3	29.5	- 1.5	10.2	+1.6	0	0		5	
MALAKAL	09 33 N	31 39 E	388	29	961.5	1004.5	29.1	+ 0.6	8.4	+1.0	0	0		4	
JUBA	04 52 N	31 36 E	457	29	953.9	1004.4	29.3	0.0	15.7	+0.1	0	0		1	
MOZAMBIQUE															
VILA CABRAL	13 17 S	35 15 E	1365	29	862.8	1492 Y	19.5	- 1.0	19.6	-0.2	20	195	- 33		105
TETE	16 11 S	33 35 E	150	29	990.9	1008.0	27.9	- 0.5	27.2	-2.0	10	365	+204		116
NAMPULA	15 06 S	39 17 E	441	29	957.8	1007.6	24.7	- 1.4	25.6	-0.2	21	247	+ 24		102
PORTO AMELIA	12 58 S	40 30 E	50	29	996.8	1008.0	26.3	- 1.3	28.8	-0.5	10	110	- 48		108
QUELIMANE	17 53 S	36 53 E	8	29	1006.3	1008.2	26.9	- 1.3	29.2	0.0	16	342	+ 65	5	107
BEIRA/SACADURA CABRAL	19 48 S	34 54 E	16	29	1006.5	1008.3	27.6	0.0	26.7	-1.1	10	198	- 76	3	111
INHAMBANE	23 52 S	35 23 E	15	29			26.1	- 1.1	26.5	+1.1	12	104	- 38	3	116
MAPUTO/MAVALANE	25 55 S	32 34 E	44	29	1006.8	1012.0	25.8	- 0.4	24.0	-0.6	7	173	+ 36		120
MARCH 1984															
EUROPE															
POLAND															
GDYNIA	54 31 N	18 33 E	5												111
POZNAN-LAWICA	52 25 N	16 50 E	92												106
WARSZAWA-BIELANY	52 17 N	20 50 E													88
BIALYSTOK	53 06 N	23 10 E	151												71
WROCLAW II-STRACHOWICE	51 06 N	16 53 E	124												116
KRAKOW/BALICE	50 05 N	19 48 E	237												60
ITALY															
MILANO/LINATE	45 26 N	09 17 E	103	31	1001	1014	6.9	- 1.2	6.9	-1.4	4	71	+ 6	3	105
VERONA/VILLAFRANCA	45 23 N	10 52 E	68	31	1006	1014	7.0	- 1.1	6.9	-1.4					
UDINE RIVOLTO	45 59 N	13 02 E	53	31	1007	1014	6.9		6.5		5	116			
PISA/S. GIUSTO	43 40 N	10 23 E	1	31	1012	1013	9.0	- 1.3	7.7	-0.8	9	38	- 29	2	106
ROMA/FIUMICINO	41 48 N	12 14 E	3	31	1011	1011	9.7	- 1.2	9.9	+0.4	10	73	+ 21	4	
NAPOLI/CAPODICHINO	40 51 N	14 18 E	72	31	1003	1012	9.6	- 1.3	9.5	-0.3	12	69	+ 6	3	74
TRIESTE	45 39 N	13 45 E	20	31	1011	1013	8.2	- 1.7	6.2	-1.3	4	46	- 6	2	119
VENEZIA/TESSERA	45 30 N	12 20 E	6	31	1013	1014	6.7	- 1.0	7.3	-1.1	6	39	- 23	2	97

SURFACE DATA LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
MARCH 1984															
EUROPE															
ITALY															
FALCONARA	43 37 N	13 22 E	10	31	1012	1013	7.8		8.4		9	64			
PESCARA	42 26 N	14 12 E	16	31	1010	1011	8.7	- 0.7	8.5	-0.5	7	83	+ 29	4	74
MARINA DI GINOSA	40 26 N	16 53 E	12	31	1011	1013	10.1	- 1.2	9.6	-0.1	3	27	-11	2	
BRINDISI	40 39 N	17 57 E	10	31	1010	1011	10.8	- 0.1	9.3	-0.8	10	51	+ 8	3	83
ALGHERO	40 38 N	08 17 E	40	31	1010	1013	10.4	- 0.9	10.6	-0.2	12	95	+ 50	5	93
CAGLIARI/ELMAS	39 15 N	09 03 E	18	31	1012	1012	10.8	- 1.2	10.0	-0.9	9	43	+ 5	4	94
TRAPANI/BIRGI	37 55 N	12 30 E	14	31	1012	1012	12.3	+ 0.2	12.1	+0.1	11	77	+30	5	82
MESSINA	38 12 N	15 33 E	51	31	1005	1012	12.4	- 0.2	9.8	-0.5	10	50	-42	2	82
AFRICA															
SUDAN															
KHARTOUM	15 36 N	32 33 E	380	31	961.7	1004.3	27.9	+ 0.8	6.1	+1.5	0	0		5	
EL OBEID	13 10 N	30 14 E	574	31	943.0	1005.3	28.7	- 1.2	4.5	+1.1	0	0		4	
DAMAZINE	11 47 N	34 23 E	470	31	952.0	1003.9	31.7	- 1.0	8.7	-1.0	0	0		5	
MALAKAL	09 33 N	31 39 E	388	31	960.9	1002.9	31.9	+ 1.2	10.4	+1.3	0	T		5	
WAU	07 42 N	28 01 E	438	31	955.2	1004.3	31.2	+ 0.4	13.7	+1.2	0	T		2	
JUBA	04 52 N	31 36 E	457	31	955.1	1002.9	29.8	+ 0.2	15.2	+0.3	1	1		4	
CENTRAL AFRICAN REP															
BIRAO	10 17 N	22 47 E	464	31	953.9		30.1		10.3		0	0			
N DELE	08 24 N	20 39 E	510	31	948.7	1003.6	29.4		20.1		6	45		4	
BRIA	06 32 N	21 59 E	584	31	942.5	1005.5	27.3		22.9		7	46			
YALINGA	06 30 N	23 16 E	602	31	939.8	1004.7	26.9		22.4		6	40			
BAMBARI	05 51 N	20 39 E	475	31	954.4	1006.0	27.5		23.9		7	82			
ALINDAO	05 03 N	21 12 E	449	31	957.1	1006.1	26.7		24.9		11	150			
BANGASSOU	04 44 N	22 50 E	500	31	951.7	1006.0	26.9		24.9		10	111		3	83
OBO	05 24 N	26 30 E	651	31	935.5	1005.4	27.0		22.1		8	76			
BOSSANGOA	06 29 N	17 26 E	465	31	954.9	1005.3	28.0		22.7		13	74		5	94
BOUAR	05 58 N	15 38 E	1020	31	897.5	1468 Y	24.4		21.5		11	67			
BOSSEMBELE	05 16 N	17 38 E	674	31	933.2	1005.6	26.5		23.2		9	34			
BERBERATI	04 13 N	15 47 E	583	31	943.1	1006.5	25.0		24.1		8	79			102
BANGUI	04 24 N	18 31 E	366	31	966.1	1006.7	26.3		26.2		14	159		5	103
MOZAMBIQUE															
VILA CABRAL	13 17 S	35 15 E	1365	31	865.5	1517 Y	19.3	- 0.7	19.3	+0.5	14	150	- 24		97
TETE	16 11 S	33 35 E	150	31	994.8	1011.9	27.0	- 0.6	27.2	+0.8	13	167	+ 91		94
NAMPULA	15 06 S	39 17 E	441	31	962.1	1012.1	24.4	- 1.0	25.1	0.0	10	78	- 99		102
PORTO AMELIA	12 58 S	40 30 E	50	31	1000.3	1011.5	26.4	- 1.2	29.0	-0.3	13	218	+ 26		111
QUELIMANE	17 53 S	36 53 E	8	31	1011.1	1013.0	26.7	- 0.7	28.8	+0.2	12	365	+109	5	115
BEIRA/SACADURA CABRAL	19 48 S	34 54 E	16	31	1011.2	1013.0	26.8	0.0	26.9	0.0	12	654	+403	5	92
INHAMBANE	23 52 S	35 23 E	15	31			25.7	- 0.8	25.8	+1.1	12	95	- 11	4	105
MAPUTO/MAVALANE	25 55 S	32 34 E	44	31	1010.7	1015.9	24.8	- 0.8	23.6	-0.5	9	277	+188		88
APRIL 1984															
AFRICA															
SUDAN															
DONGOLA	19 10 N	30 29 E	226	30	982.1	1007.7	29.3	+ 2.3	6.2	+3.2	0	0		4	
PORT SUDAN	19 35 N	37 13 E	2	30	1008.3	1008.5	24.7	+ 2.1	22.8	+1.2	0	T		4	
KHARTOUM	15 36 N	32 33 E	380	30	942.7	1005.2	30.9	- 0.8	5.6	+2.1	0	0		4	
EL OBEID	13 10 N	30 14 E	574	30	960.7	1003.3	32.9	- 1.1	5.1	+3.7	0	0		4	
EL FASHER	13 37 N	25 20 E	730	30	927.4	1007.2	27.3	+ 0.7	6.3	+1.3	0	0		4	
DAMAZINE	11 47 N	34 23 E	470	30	952.1	1002.2	34.2	+ 2.0	10.9	+1.1	0	T		5	
MALAKAL	09 33 N	31 39 E	388	30	961.6	1004.2	32.1	+ 1.0	14.8	+2.0	0	T		4	

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		%
JULY 1983															
ASIA															
ISRAEL															
BEN GURION INT AP	32 00 N	34 54 E	49								0			5	
JERUSALEM	31 47 N	35 13 E	809								0			5	
EILAT	29 33 N	34 57 E	13								0			5	
AUGUST 1983															
ASIA															
ISRAEL															
BEN GURION INT AP	32 00 N	34 54 E	49								0				
JERUSALEM	31 47 N	35 13 E	809								0				

UPPER AIR DATA

MAY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT (GPM)	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN (°C)	DEW POINT DEPRESSION (°C)	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR (%)	MEAN VECTOR WIND DIRECTION (°)	MEAN VECTOR WIND SPEED (MPS)	850 MB 150 MB HEIGHT (GPM)	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN (°C)	DEW POINT DEPRESSION (°C)	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR (%)	MEAN VECTOR WIND DIRECTION (°)	MEAN VECTOR WIND SPEED (MPS)
NORTH AMERICA																	
ALASKA																	
BARROW	2	1,015		-9.8	2.2					1,392	0	-8.1	7.3	4	57	220	5
		11,448	1	-47.7		1	71	217	6	13,351	1	-47.1		1	72	211	5
BARTER ISLAND	2	1,014		-8.5	2.9					1,405	0	-4.1	7.8	0	54	228	3
		11,485	2	-50.0		2	78	216	7	13,373	2	-48.9		2	78	219	5
KOTZEBUE	2	1,015		-6.7	2.8					1,399	0	-6.4	10.0	0	57	241	3
		11,447	0	-48.7		1	64	234	5	13,341	0	-48.4		1	57	217	3
NOME	2	1,013		-2.6	4.5					1,397	0	-5.5	8.9	3	41	254	2
		11,454	0	-50.2		0	53	262	4	13,340	0	-49.0		0	38	231	2
FAIRBANKS	2	995		5.1	4.6					1,414	0	-0.2	7.1	0	51	235	2
		11,478	1	-50.3		1	52	195	4	13,361	1	-49.5		1	66	186	4
MCGRATH	2	1,000		1.4	4.6					1,414	0	-2.0	5.9	0	32	188	2
		11,474	0	-50.4		0	31	203	2	13,357	0	-49.4		0	40	197	2
BETHEL	2	1,010		0.3	2.7					1,414	0	-3.4	6.5	4	25	181	2
		11,491	1	-51.2		1	27	276	2	13,368	1	-49.7		1	26	255	1
ANCHORAGE	2	1,007		5.8	7.4					1,416	0	-2.1	5.4	0	46	116	2
		11,474	1	-51.0		1	34	188	3	13,352	1	-49.9		1	43	197	2
ST. PAUL	2	1,013		0.2	2.0					1,403	0	-3.1	9.8	0	22	67	2
		11,486	1	-51.8		1	35	316	3	13,360	1	-50.0		1	49	304	4
COLD BAY	2	1,007		2.1	1.7					1,386	5	-2.5	6.8	6	9	86	1
		11,523	5	-51.2		5	51	286	4	13,401	6	-50.2		5	58	274	4
KING SALMON	2	1,009		2.2	3.5					1,394	0	-3.1	5.8	2	37	92	2
		11,475	0	-50.9		1	15	277	1	13,354	0	-49.8		1	23	247	1
YAKUTAT	2	1,012		3.8	1.9					1,422	0	-1.5	5.0	2	56	125	2
		11,499	0	-51.5		0	54	175	4	13,376	0	-50.0		0	63	178	4
ANNETTE ISLAND	2	1,010		6.9	2.5					1,436	0	-1.8	3.2	0	67	160	6
		11,571	0	-49.5		1	74	219	8	13,457	0	-49.4		1	84	222	8
CANADA-WESTERN																	
MOULD BAY	2	1,009		-10.3	1.4					1,389	0	-7.9	8.5	0	69	261	7
		11,466	1	-47.1		0	70	268	9	13,375	1	-46.3		0	72	260	7
SACHS HARBOUR	2	1,006		-6.7	1.1					1,420	0	-3.1	11.4	0	62	240	5
		11,513	0	-49.7		0	72	251	9	13,405	0	-47.9		0	73	246	7
CAMBRIDGE BAY	2	1,017		-9.8	1.5					1,445	0	-3.4	12.1	0	45	292	3
		11,525	0	-50.4		0	64	296	7	13,412	0	-48.6		0	74	288	6
NORMAN WELLS	2	1,006		1.6	4.0					1,430	0	2.5	9.6	0	61	152	3
		11,562	0	-51.7		0	63	210	5	13,441	0	-49.7		0	74	213	5
PRINCE GEORGE	2	934		2.5	1.9					1,436	0	1.6	5.7	0	62	234	4
		11,614	0	-50.8		0	85	239	15	13,491	0	-50.5		0	88	238	13
THE PAS	2	980		2.8	3.2					1,430	0	0.3	7.8				
		11,682	0	-51.6		0	89	286	14	13,557	0	-49.9		0	92	290	11
VERNON	2	949		6.8	5.2					1,457	0	2.1	4.6	0	70	225	5
		11,708	1	-52.1		3	85	255	21	13,573	1	-51.5		4	87	256	14
PORT HARDY	2	1,014		6.3	1.7					1,445	0	-1.7	3.1	0	65	188	5
		11,640	0	-50.2		0	91	251	21	13,517	0	-50.7		0	92	248	17
CANADA-EASTERN																	
ALERT	2	1,008		-11.1	2.7					1,368	0	-13.8	4.4				
		11,394	0	-43.8						13,327	0	-44.0					
EUREKA	2	1,014		-10.7	2.3					1,364	0	-12.3	3.7	0	24	254	1
		11,405	0	-44.4		0	58	295	4	13,334	0	-44.2		0	57	278	3
RESOLUTE	2									1,391	0	-8.8	8.2	0	68	297	6
HALL BEACH	2	1,016		-9.0	2.0					1,397	3	-7.9	8.2	0	66	342	5
		11,479	3	-46.6		0	79	311	6	13,392	3	-46.3		0	82	299	4
BAKER LAKE	2	1,013		-7.2	1.9					1,441	0	-4.2	10.6	0	47	359	4
		11,552	0	-49.7		0	61	304	8	13,443	0	-48.2		0	73	293	7
CORAL HARBOUR	2	1,010		-7.2	2.3					1,411	0	-5.7	8.7	0	51	7	9
		11,511	0	-47.9		0	59	311	6	13,413	0	-47.4		0	69	295	5
FROBISHER BAY	2	1,012		-6.8	3.2					1,379	0	-8.1	7.1	0	13	22	1
		11,519	0	-45.9		0	78	248	8	13,437	0	-45.7		0	85	246	7
CHURCHILL	2	1,015		-2.8	1.6					1,435	0	-4.4	9.5	0	48	22	4
		11,597	0	-49.7		0	75	303	10	13,487	0	-48.7		0	78	299	8
INUCUDJUAC	2	1,012		-1.1	3.0					1,387	0	-4.7	7.0	0	11	35	1
		11,568	0	-46.5		0	60	270	7	13,480	0	-46.2		0	60	266	6
FORT CHIMO	2	1,009		-0.2	4.2					1,396	3	-5.5	5.6	2	31	309	3
		11,586	3	-47.4		2	81	247	13	13,491	3	-47.1		2	85	246	10
TROUT LAKE	2	988		0.6	3.3					1,426	0	-2.2	7.9	0	33	323	3
		11,645	0	-49.6		0	80	295	13	13,533	0	-48.8		0	82	294	10
NITCHEQUON	2	947		1.0	2.5					1,397	0	-2.9	4.4	0	35	243	3
		11,654	0	-49.6		0	80	245	17	13,542	0	-48.9		0	83	248	11

STATION	700 MB 100 MB HEIGHT (GPM)	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN (°C)	DEW POINT DEPRESSION (°C)	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR (%)	MEAN VECTOR WIND DIRECTION (°)	MEAN VECTOR WIND SPEED (MPS)	500 MB 50 MB HEIGHT (GPM)	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN (°C)	DEW POINT DEPRESSION (°C)	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR (%)	MEAN VECTOR WIND DIRECTION (°)	MEAN VECTOR WIND SPEED (MPS)
NORTH AMERICA																
ALASKA																
BARROW	2,883	0	-14.7	8.6	3	73	214	8	5,352	0	-31.0	8.1	0	75	214	11
	16,037	1	-47.1		1	66	209	3	20,628	3	-47.5		3	65	150	2
BARTER ISLAND	2,918	0	-12.2	6.2	0	78	223	6	5,404	0	-29.7	8.9	0	73	211	9
	16,042	2	-48.2		2	74	207	3	20,616	2	-48.1		2	59	162	1
KOTZEBUE	2,895	0	-14.4	11.1	0	64	228	6	5,366	0	-30.6	10.1	1	56	231	8
	16,011	0	-48.4		1	47	186	2	20,576	0	-48.6		0	76	134	2
NOME	2,899	1	-13.6	11.5	1	58	258	4	5,382	0	-29.4	11.5	0	63	260	7
	16,004	0	-48.6		0	32	174	1	20,560	1	-48.9		1	86	129	2
FAIRBANKS	2,935	0	-11.7	5.4	0	47	209	3	5,423	0	-29.8	9.2	0	45	194	4
	16,021	1	-49.0		1	71	175	3	20,574	2	-49.1		2	79	147	2
MCGRATH	2,928	0	-12.0	6.2	0	41	182	3	5,418	0	-29.5	9.1	0	33	181	3
	16,018	0	-48.8		0	64	167	2	20,574	0	-49.2		0	87	135	3
BETHEL	2,926	0	-11.7	8.6	1	16	89	1	5,425	0	-28.1	8.8	0	3	30	**
	16,025	1	-49.2		1	24	187	1	20,571	2	-49.4		2	72	130	2
ANCHORAGE	2,929	0	-12.2	8.7	0	67	137	4	5,416	0	-29.9	7.0	0	43	136	4
	16,005	1	-49.6		1	74	173	3	20,548	1	-49.7		1	81	146	2
ST. PAUL	2,917	0	-11.4	10.9	0	32	59	3	5,417	0	-28.0	9.1	0	32	46	4
	16,003	1	-50.3		1	40	290	2	20,533	1	-50.1		1	48	133	1
COLD BAY	2,906	5	-10.2	9.2	5	24	84	2	5,418	5	-26.8	9.0	5	10	348	1
	16,046	7	-50.6		7	63	259	3	20,575	9	-50.1		9	61	173	2
KING SALMON	2,907	0	-11.8	8.0	0	47	95	3	5,401	0	-28.6	8.1	0	22	91	2
	16,008	0	-49.5		1	43	187	2	20,551	1	-49.6		1	72	139	2
YAKUTAT	2,940	0	-11.8	5.2	0	67	123	4	5,433	0	-28.8	8.6	0	62	134	5
	16,026	1	-49.8		1	80	185	4	20,558	2	-50.4		2	87	170	3
ANNETTE ISLAND	2,954	0	-11.3	5.8	1	68	165	6	5,454	0	-28.0	7.4	0	57	162	7
	16,109	0	-50.1		2	90	216	6	20,627	0	-51.4		1	74	192	3
CANADA-WESTERN																
MOULD BAY	2,879	0	-15.0	7.9	0	72	263	9	5,350	0	-30.2	8.8	0	69	264	13
	16,069	1	-46.1		0	70	256	4	20,683	3	-45.7		0	25	235	**
SACHS HARBOUR	2,934	0	-11.5	10.2	0	71	254	8	5,431	0	-28.4	11.3	0	68	256	11
	16,083	0	-47.5		0	66	246	4	20,670	1	-47.1		0	21	226	**
CAMBRIDGE BAY	2,956	0	-11.8	9.7	0	55	306	5	5,454	0	-28.5	10.1	0	56	307	8
	16,075	0	-48.7		0	80	290	5	20,639	1	-48.3		0	40	341	1
NORMAN WELLS	2,968	0	-8.6	6.4	0	45	191	3	5,485	0	-26.8	8.1	0	35	200	3
	16,099	0	-49.1		0	72	220	5	20,650	2	-49.0		0	52	229	2
PRINCE GEORGE	2,970	0	-9.5	4.1	0	78	228	5	5,484	0	-26.4	9.0	0	81	221	8
	16,130	0	-51.4		0	87	236	9	20,625	0	-52.2		0	71	233	3
THE PAS	2,962	0	-8.5	8.0	0	55	305	8	5,500	0	-23.6	7.7	0	71	291	8
	16,200	0	-51.5		0	87	290	8	20,677	0	-52.8		0	79	324	3
VERNON	2,996	1	-8.1	2.8	0	72	241	6	5,532	1	-23.9	7.1	0	80	243	13
	16,190	1	-53.9		3	84	252	10	20,641	1	-53.8		1	67	257	3
PORT HARDY	2,967	0	-10.1	6.9	0	77	204	7	5,478	0	-26.5	9.0	0	83	228	11
	16,148	0	-52.4		0	91	242	12	20,618	0	-53.3		0	78	224	4
CANADA-EASTERN																
ALERT	2,828	0	-19.3	7.9					5,266	0	-33.4	6.9				
	16,042	1	-45.2						20,660	3	-45.4					
EUREKA	2,835	0	-17.9	5.5	0	47	308	4	5,276	0	-32.9	8.6	0	57	314	7
	16,045	0	-45.0		0	44	258	2	20,673	1	-45.4		0	14	117	**
RESOLUTE	2,882	3	-14.9	8.7	0	70	308	8	5,351	3	-30.5	8.2	0	70	311	12
HALL BEACH	2,883	3	-14.8	10.0	0	69	333	7	5,360	3	-30.4	9.8	0	71	331	10
	16,083	4	-46.7		0	72	277	3	20,663	8	-47.7		1	22	31	**
BAKER LAKE	2,952	0	-11.5	11.2	0	45	360	5	5,454	0	-27.7	8.9	0	46	339	6
	16,109	0	-49.1		0	82	290	6	20,649	1	-49.3		0	56	332	2
CORAL HARBOUR	2,914	0	-12.9	8.5	0	54	5	6	5,402	0	-28.9	9.2	0	52	352	7
	16,086	0	-48.3		0	72	280	4	20,633	0	-49.3		0	11	356	**
FROBISHER BAY	2,875	0	-12.8	11.3	0	28	320	3	5,365	0	-28.5	8.8	0	39	292	4
	16,125	0	-47.6		0	8	247	5	20,686	0	-48.1		0	45	212	1
CHURCHILL	2,947	0	-11.1	9.8	0	42	6	4	5,461	0	-25.9	9.4	0	45	344	6
	16,144	0	-50.1		0	78	299	7	20,660	1	-51.1		0	52	336	2
INUCUDJUAC	2,893	0	-12.1	10.3	0	19	317	2	5,392	0	-27.3	9.6	0	31	289	4
	16,159	0	-48.5		0	62	256	5	20,696	0	-49.7		0	36	256	1
FORT CHIMO	2,904	3	-11.9	8.3	2	45	273	4	5,411	3	-26.3	11.0	2	56	248	8
	16,163	3	-49.4		2	85	245	6	20,689	3	-50.3		2	56	234	2
TROUT LAKE	2,948	0	-9.8	9.3	0	54	309	6	5,473	0	-24.8	8.2	0	64	306	9
	16,185	0	-50.9		0	80	298	7	20,679	0	-52.1		0	60	328	3
NITCHEQUON	2,916	0	-9.4	7.4	0	55	256	5	5,445	0	-24.3	9.4	0	74	253	9
	16,192	0	-51.3		0	83	248	7	20,680	1	-51.9		0	33	217	1

STATION	300 MB 30 MB HEIGHT (GPM)	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN (°C)	DEW POINT DEPRESSION (°C)	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR (%)	MEAN VECTOR WIND DIRECTION (°)	MEAN VECTOR WIND SPEED (MPS)
NORTH AMERICA								
ALASKA								
BARROW	8,798	0	-51.9		0	67	210	11
	24,004	11	-47.0		13	88	104	3
BARTER ISLAND	8,873	2	-53.5		2	65	208	10
	23,986	2	-47.7		3	81	94	3
KOTZEBUE	8,814	0	-52.1		2	64	238	11
	23,935	1	-48.2		1	79	94	2
NOME	8,841	0	-52.6		0	63	260	9
	23,912	2	-48.4		2	79	103	2
FAIRBANKS	8,867	0	-54.1		0	50	196	6
	23,932	4	-49.0		5	72	82	2
MCGRATH	8,870	0	-54.2		0	10	281	1
	23,926	0	-49.0		0	81	108	2
BETHEL	8,891	1	-53.7		1	16	347	2
	23,926	3	-49.1		4	83	116	2
ANCHORAGE	8,870	1	-53.9		1	29	164	4
	23,891	1	-49.7		1	65	109	2
ST. PAUL	8,883	1	-53.2		1	24	19	3
	23,874	1	-49.7		1	82	116	2
COLD BAY	8,909	5	-52.0		5	26	318	3
	23,917	10	-50.0		10	72	113	2
KING SALMON	8,864	0	-53.4		1	10	65	1
	23,895	1	-49.5		1	72	115	2
YAKUTAT	8,895	0	-53.7		1	50	141	7
	23,889	2	-50.5		2	68	114	2
ANNETTE ISLAND	8,935	0	-51.3		1	36	187	6
	23,944	0	-51.3		1	56	106	2
CANADA-WESTERN								
MOULD BAY	8,821	1	-51.7	8.5	0	67	267	15
	24,080	10	-45.5		7	60	93	2
SACHS HARBOUR	8,901	0	-52.5	9.9	0	66	253	13
	24,053	1	-46.6		0	78	95	2
CAMBRIDGE BAY	8,916	0	-52.9	8.0	0	54	305	9
	24,005	1	-47.5		0	88	76	3
NORMAN WELLS	8,970	0	-52.9	7.7	0	35	197	5
	24,001	4	-48.3		0	56	96	2
PRINCE GEORGE	8,989	0	-50.6	8.6	0	73	221	15
	23,932	0	-51.1		0	50	74	2
THE PAS	9,046	0	-47.7	9.2	0	79	288	13
	23,983	3	-50.7					
VERNON	9,074	1	-47.5	9.3	0	79	252	23
	23,922	1	-52.4		0	53	82	2
PORT HARDY	8,990	0	-47.9	11.5	0	86	248	22
	23,907	0	-52.3		0	44	97	1
CANADA-EASTERN								
ALERT	8,695	0	-48.6	9.1				
	24,058	11	-45.7					
EUREKA	8,714	0	-49.1	10.2	0	60	311	8
	24,067	5	-45.4		0	55	94	2
RESOLUTE	8,789	9	-50.9	9.2	0	77	313	14
HALL BEACH	8,815	3	-50.2	10.0	0	71	328	11
BAKER LAKE	8,932	0	-51.9	9.1	0	50	322	9
	24,000	3	-48.4		0	73	61	2
CORAL HARBOUR	8,871	0	-51.6	8.0	0	47	333	8
	23,983	0	-48.6		0	77	79	2
FROBISHER BAY	8,851	0	-49.6	9.7	0	58	255	8
	24,056	1	-47.6		0	76	99	2
CHURCHILL	8,967	0	-49.8	9.1	0	57	318	10
	23,992	2	-49.4		0	61	59	2
INUCUDJUAC	8,897	0	-48.2	10.9	0	46	276	7
	24,041	0	-48.4		0	67	81	2
FORT CHIMO	8,925	3	-48.8	9.9	2	72	244	16
	24,025	3	-49.0		2	74	97	2
TROUT LAKE	9,002	0	-48.5	9.2	0	71	302	14
	23,997	0	-50.1		0	76	62	2
NITCHEQUON	8,994	0	-46.2	10.6	0	74	240	19
	23,997	1	-50.6		0	76	88	2

UPPER AIR DATA

MAY 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
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																	
CANADA-EASTERN																	
MOOSONEE	2	1,011		1.9	2.2					1,404	0	-1.4	8.0	0	44	313	4
		11,653	0	-49.6		0	76	271	15	13,538	0	-49.5		0	77	272	11
SEPT-ILES	2	1,006		5.3	4.8					1,415	0	-0.3	4.5	0	33	248	3
		11,744	0	-52.2		0	83	247	20	13,605	0	-52.0		0	87	247	14
GOOSE	2	1,008		4.3	3.3					1,406	0	-1.1	3.6	0	50	244	5
		11,719	0	-52.8		0	81	244	21	13,580	0	-51.3		0	87	243	14
MANIWAKI	2	991		6.7	2.9					1,420	3	1.1	4.0	1	51	264	5
		11,779	3	-53.2		1	82	258	25	13,628	4	-53.0		1	82	255	17
STEPHENVILLE	2	1,007		7.9	3.6					1,442	0	2.9	5.6	0	56	228	13
		11,861	0	-55.9		2	73	252	20	13,690	0	-55.9		3	77	254	13
SHELBURNE	2	1,011		8.6	2.3					1,462	0	4.2	5.3	0	69	253	9
		11,915	0	-55.6		2	82	258	23	13,732	0	-58.4		1	84	258	17
SABLE ISLAND	2	1,016		8.9	1.4					1,473	0	4.3	7.1	0	67	250	8
		11,938	0	-57.4		0	71	258	19	13,744	0	-59.0		0	76	256	14
ST. JOHN'S (TORBAY)	2									1,477	0	5.2	7.6	0	55	237	7
		11,938	1	-56.2		2	63	264	17	13,764	1	-55.9		3	74	251	13
UNITED STATES-NORTHWEST																	
QUILLAYUTE	2	1,011		7.0	1.2					1,468	0	0.0	4.2	1	74	227	6
		11,746	0	-53.0		4	94	265	29	13,602	0	-52.7		4	93	261	22
MEDFORD	2	972		8.7	3.4					1,504	0	5.0	5.6	0	56	238	2
		11,965	0	-59.5		0	91	268	34	13,757	0	-59.8		0	93	265	27
SPOKANE	2	932		6.1	3.4					1,471	0	4.5	8.2	0	83	235	7
		11,787	2	-53.8		3	85	260	27	13,638	2	-53.5		3	86	259	19
GREAT FALLS	2	886		6.4	6.5					1,455	0	7.9	12.0	1	85	246	9
		11,815	0	-55.0		6	83	276	25	13,661	1	-54.6		7	87	279	20
BISMARCK	2	955		5.8	4.9					1,465	0	6.2	12.5	0	40	274	4
		11,827	1	-55.4		3	87	282	25	13,667	1	-54.5		4	88	289	17
HURON/HOWES MUN	2	968		8.2	3.2					1,471	0	7.4	10.0	0	48	280	4
		11,888	0	-56.2		0	83	282	26	13,713	0	-56.3		0	86	285	20
RAPID CITY	2	904		6.6	5.1					1,473	0	8.7	10.3	1	39	277	4
		11,902	0	-57.4		0	86	277	25	13,717	0	-57.1		0	87	280	19
BOISE	2	916		8.4	6.4					1,489	0	9.0	11.7	0	54	309	3
		11,943	0	-57.9		1	86	270	31	13,756	0	-57.5		1	88	267	23
WINNEMUCCA	2	869		6.4	6.6					1,493	0	11.5	11.7	0	29	249	1
		12,040	1	-59.5		2	88	276	28	13,827	1	-61.2		2	94	272	25
ELY	2	809		4.4	5.9												
		12,096	4	-59.1		8	80	269	19	13,881	5	-63.6		9	85	268	17
SALT LAKE CITY	2	872		12.2	7.2					1,498	5	13.5	13.3	6	27	148	1
		12,046	6	-58.6		8	86	274	21	13,838	6	-61.3		8	89	272	17
GRAND JUNCTION	2	852		12.4	13.4					1,521	14	14.6	16.9	14	73	118	2
		12,070	0	-59.5		1	85	277	19	13,855	0	-61.6		2	86	276	17
DENVER	2	836		9.6	7.5												
		12,050	0	-58.7		3	82	272	21	13,838	0	-61.5		4	85	274	18
NORTH PLATTE	2	917		9.4	4.5					1,481	0	10.3	6.9	2	30	218	3
		11,985	1	-58.8		3	82	277	24	13,780	1	-60.6		4	89	283	22
UNITED STATES-NORTHEAST																	
INTERNATIONAL FALLS	2	970		3.9	3.3					1,441	0	3.5	8.7	2	60	284	5
		11,749	0	-53.2		0	80	287	20	13,605	0	-52.4		0	84	289	16
ST. CLOUD	2	978		7.1	2.8					1,470	0	5.2	9.8	0	57	292	6
		11,841	0	-55.0		0	82	286	25	13,681	0	-54.6		0	85	287	19
SAULT STE. MARIE	2	987		5.1	3.5					1,441	1	2.0	6.7	1	56	295	6
		11,768	2	-52.4		3	85	269	25	13,627	2	-52.6		3	86	272	16
CARIBOU	2	990		6.2	3.9					1,431	0	1.9	5.4	5	67	254	7
		11,824	1	-53.3		8	82	260	27	13,672	1	-53.9		9	86	255	18
DAYTON	2	980		10.8	5.7					1,483	0	7.1	6.2	2	73	281	8
		11,975	1	-58.1		3	83	268	28	13,770	2	-59.8		7	89	276	23
BUFFALO	2	988		9.1	3.4					1,456	0	3.8	5.4	1	69	266	7
		11,877	0	-55.6		0	80	270	28	13,705	2	-56.7		2	81	267	23
CHATHAM	2	1,013		10.8	2.4					1,476	0	6.3	7.3	9	70	267	8
		11,941	1	-56.3		9	80	273	27	13,750	2	-58.5		9	83	265	18
WASHINGTON DULLES	2	1,005		12.1	3.6					1,486	1	7.7	6.4	12	77	290	8
		11,991	2	-57.9		11	84	265	32	13,791	2	-60.0		12	86	270	21
UNITED STATES-SOUTHWEST																	
OAKLAND	2	1,016		12.2	2.7					1,512	0	14.0	16.2	0	78	315	6
		12,142	0	-59.5		0	89	280	22	13,915	0	-64.1		1	92	273	21
SAN DIEGO	2	998		14.7	1.9					1,494	0	18.2	22.0	2	62	306	3
		12,204	1	-59.1		1	76	287	11	13,979	1	-64.5		1	90	272	13

STATION	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
	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																
CANADA-EASTERN																
MOOSONEE	2,928	0	-9.4	7.6	0	55	298	6	5,458	0	-24.2	9.6	0	65	284	18
	16,181	0	-51.6		0	77	270	7	20,653	0	-53.1		0	57	285	2
SEPT-ILES	2,984	0	-7.3	6.1	0	56	247	6	5,504	0	-21.2	9.2	0	76	242	12
	16,225	0	-53.7		0	86	245	8	20,679	0	-52.9		0	35	171	1
GOOSE	2,939	0	-7.0	6.2	0	67	240	9	5,495	0	-21.5	10.4	0	76	233	14
	16,205	0	-52.8		0	87	244	8	20,666	0	-52.8		0	46	196	1
MANIWAKI	2,959	3	-6.5	9.3	2	70	268	9	5,527	3	-20.1	11.9	1	78	262	16
	16,239	4	-53.9		2	86	260	9	20,675	4	-53.7		2	48	272	2
STEPHENVILLE	2,997	0	-3.6	11.2	0	72	239	10	5,591	0	-17.4	11.6	0	75	237	16
	16,276	0	-55.6		1	78	246	7	20,695	1	-54.5		1	20	156	**
SHELBURNE	3,023	0	-2.4	11.2	0	81	253	13	5,626	0	-16.9	11.4	0	82	252	18
	16,290	1	-57.8		1	81	257	8	20,684	2	-54.9		1	31	112	**
SABLE ISLAND	3,039	0	-1.1	13.2	0	73	249	12	5,652	0	-16.2	11.3	0	75	246	15
	16,292	0	-58.5		0	75	255	7	20,672	1	-55.3		0	30	134	**
ST. JOHN'S (TORBAY)	3,042	0	-1.7	12.3	0	65	236	9	5,649	0	-16.1	13.0	0	66	243	12
	16,342	1	-56.0		0	75	250	8	20,757	2	-54.7		0	37	107	1
UNITED STATES-NORTHWEST																
QUILLAYUTE	3,001	0	-8.2	8.2	0	82	234	9	5,539	0	-23.4	11.3	0	86	248	18
	16,207	0	-55.0		2	91	254	14	20,635	0	-55.7		0	54	246	2
MEDFORD	3,068	0	-2.0	13.9	0	82	265	10	5,681	0	-15.6	11.9	0	88	267	22
	16,288	0	-60.5		0	90	265	15	20,621	0	-58.3		0	28	283	1
SPOKANE	3,022	0	-6.0	6.6	0	92	247	9	5,580	0	-21.7	9.3	0	89	254	18
	16,231	2	-56.1		2	83	261	12	20,646	4	-55.5		4	31	286	1
GREAT FALLS	3,023	0	-3.9	6.2	1	86	263	11	5,597	0	-20.3	8.8	1	86	267	20
	16,247	1	-56.4		7	73	271	9	20,656	1	-55.3		5	18	44	1
BISMARCK	3,025	0	-3.9	11.3	0	76	289	9	5,603	0	-20.0	9.6	0	86	283	17
	16,264	2	-55.8		4	85	290	10	20,672	2	-55.4		2	41	334	2
HURON/HOWES MUN	3,042	0	-2.3	10.5	0	83	294	10	5,639	0	-18.0	11.5	0	86	285	17
	16,285	0	-56.9		0	83	292	11	20,672	0	-56.0		0	62	327	3
RAPID CITY	3,055	0	-0.4	9.8	0	81	289	8	5,661	0	-17.9	9.0	0	90	278	17
	16,277	1	-58.9		1	84	283	12	20,644	1	-56.6		1	39	327	2
BOISE	3,066	0	-1.3	7.1	1	89	268	9	5,669	0	-17.3	8.6	1	89	258	20
	16,305	0	-59.6		1	89	270	14	20,671	2	-56.9		2	23	351	1
WINNEMUCCA	3,087	0	1.1	9.5	0	89	262	9	5,721	0	-13.7	11.7	0	84	270	19
	16,337	2	-62.4		2	93	275	15	20,652	3	-57.9		4	16	23	1
ELY	3,103	1	4.6	12.8	4	66	265	5	5,756	1	-12.8	12.7	2	81	270	16
	16,379	5	-63.7		9	85	278	10	20,673	5	-58.5		9	50	57	2
SALT LAKE CITY	3,107	3	3.7	12.0	3	74	265	7	5,749	4	-14.7	10.1	4	87	265	17
	16,357	7	-62.3		9	85	286	11	20,674	7	-57.8		7	32	45	1
GRAND JUNCTION	3,106	0	5.5	13.2	0	68	259	4	5,758	0	-13.9	9.4	0	82	268	14
	16,359	0	-63.9		2	77	281	9	20,659	0	-58.1		0	6	297	**
DENVER	3,081	0	5.2	13.0	1	75	287	6	5,731	0	-13.7	11.3	0	86	282	16
	16,354	0	-61.8		3	77	281	9	20,679	1	-57.4		1	35	16	1
NORTH PLATTE	3,077	0	2.0	7.7	0	76	283	8	5,706	0	-15.3	8.4	0	84	280	16
	16,313	1	-60.7		4	79	295	10	20,661	2	-57.2		3	48	348	2
UNITED STATES-NORTHEAST																
INTERNATIONAL FALLS	2,988	0	-6.3	7.0	1	77	294	7	5,547	0	-21.7	9.9	0	74	288	12
	16,219	0	-53.9		0	79	293	9	20,655	0	-54.7		0	75	313	3
ST. CLOUD	3,027	0	-4.6	9.6	0	74	288	10	5,603	0	-19.7	11.0	0	85	292	16
	16,268	0	-55.9		0	79	285	11	20,674	0	-55.4		0	73	330	3
SAULT STE. MARIE	2,984	1	-6.2	10.8	1	71	294	10	5,549	1	-20.8	10.3	1	77	289	15
	16,239	2	-54.3		3	83	271	9	20,674	2	-54.5		3	39	325	1
CARIBOU	2,979	0	-5.0	6.7	5	79	247	12	5,558	0	-18.8	9.7	5	84	250	20
	16,273	2	-55.1		6	83	253	7	20,710	3	-53.7		7	38	147	1
DAYTON	3,059	1	-0.7	8.9	1	79	275	12	5,674	0	-15.6	12.3	0	82	280	19
	16,306	2	-60.2		4	82	277	12	20,651	9	-56.6		9	38	302	2
BUFFALO	3,011	0	-3.6	8.6	1	73	268	11	5,601	0	-18.1	11.0	0	76	266	18
	16,277	2	-57.3		2	79	265	20	20,668	5	-55.3		5	34	283	2
CHATHAM	3,045	0	-1.5	11.5	9	79	259	13	5,653	0	-17.0	12.0	9	82	262	18
	16,301	3	-58.3		9	82	266	9	20,671	5	-55.6		9	24	266	1
WASHINGTON DULLES	3,064	1	0.2	11.5	12	82	271	13	5,682	3	-15.7	12.5	11	83	261	20
	16,315	3	-60.2		11	88	262	13	20,665	5	-56.5		14	54	273	2
UNITED STATES-SOUTHWEST																
OAKLAND	3,124	0	5.3	16.5	1	71	291	8	5,790	0	-11.5	13.4	1	81	279	14
	16,403	0	-64.6		6	93	270	14	20,674	0	-59.3		1	21	14	1
SAN DIEGO	3,133	0	9.8	21.3	2	56	287	4	5,830	0	-9.7	17.0	0	67	285	6
	16,444	1	-67.3		1	91	283	11	20,671	1	-59.4		1	70	75	3

STATION	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
NORTH AMERICA								
CANADA-EASTERN								
MOOSONEE	8,999	0	-47.3	10.4	0	70	276	16
	23,949	2	-51.8		0	66	71	2
SEPT-ILES	9,094	0	-45.0	9.1	0	79	240	23
	23,981	0	-51.3		0	79	85	3
GOOSE	9,078	0	-45.0	10.0	0	79	236	25
	23,970	0	-51.4		0	84	96	3
MANIWAKI	9,127	3	-44.0	11.4	1	75	256	25
	23,973	6	-51.1		3	61	91	2
STEPHENVILLE	9,227	0	-43.1	10.6	0	67	243	21
	23,984	3	-52.1		1	70	95	2
SHELBURNE	9,264	0	-42.5	10.3	0	74	252	22
	23,967	3	-52.1		0	69	69	2
SABLE ISLAND	9,298	0	-42.5	11.2	0	69	246	20
	23,945	3	-52.7		1	45	63	1
ST. JOHN'S (TORBAY)	9,300	0	-42.1	10.9	0	59	254	15
	24,045	2	-51.3		0	72	88	2
UNITED STATES-NORTHWEST								
QUILLAYUTE	9,102	0	-45.8		0	85	258	32
	23,903	0	-53.3		0	41	66	1
MEDFORD	9,339	0	-42.6	6.6	0	87	268	31
	23,863	2	-54.4		2	50	86	2
SPOKANE	9,152	2	-45.7		2	79	260	30
	23,919	4	-52.7		4	75	80	3
GREAT FALLS	9,185	0	-46.0		4	81	272	29
	23,930	2	-52.9		3	84	75	6
BISMARCK	9,192	0	-46.0		0	82	278	25
	23,950	2	-52.2		2	71	62	3
HURON/HOWES MUN	9,258	0	-44.7	5.1	0	81	280	26
	23,945	0	-52.3		0	32	51	1
RAPID CITY	9,279	0	-44.8		0	83	278	26
	23,904	1	-53.0		1	63	31	2
BOISE	9,309	0	-42.6	5.8	0	82	270	31
	23,932	4	-52.8		4	71	66	2
WINNEMUCCA	9,407	1	-41.6	6.6	2	86	277	25
	23,904	5	-53.5		5	48	77	1
ELY	9,444	2	-40.8	10.2	7	71	271	15
	23,918	5	-54.3		6	43	31	1
SALT LAKE CITY	9,409	6	-42.0	8.4	6	80	277	22
	23,929	7	-52.7		7	67	58	2
GRAND JUNCTION	9,435	0	-41.4	8.6	0	84	275	19
	23,915	0	-53.0		1	32	20	1
DENVER	9,411	0	-41.3	8.3	0	81	279	20
	23,939	2	-52.5		2	44	36	1
NORTH PLATTE	9,357	1	-42.7	6.7	1	83	279	24
	23,922	4	-53.0		4	65	44	2
UNITED STATES-NORTHEAST								
INTERNATIONAL FALLS	9,118	0	-47.2		0	74	282	20
	23,945	1	-52.1		1	66	46	2
ST. CLOUD	9,207	0	-44.8	1.1	0	77	284	24
	23,948	1	-52.5		2	55	40	2
SAULT STE. MARIE	9,130	1	-45.8		3	79	272	24
	23,964	3	-51.8		4	67	86	2
CARIBOU	9,169	1	-43.7	3.5	6	81	245	28
	24,007	8	-51.6		10	73	82	2
DAYTON	9,337	0	-41.6	6.9	1	77	272	26
	23,921	10	-53.1		11	50	91	2
BUFFALO	9,228	0	-43.1	5.8	0	72	267	24
	23,951	11	-52.3		12	38	152	2
CHATHAM	9,291	1	-42.1	4.9	9	79	265	26
	23,941	8	-52.4		10	17	242	**
WASHINGTON DULLES	9,348	2	-41.5	7.3	12	78	262	29
	23,939	6	-52.2		14	35	279	1
UNITED STATES-SOUTHWEST								
OAKLAND	9,495	0	-40.1	10.8	0	83	282	19
	23,912	0	-54.2		0	53	75	2
SAN DIEGO	9,552	0	-39.2	12.4	0	69	287	9
	23,916	2	-53.1		2	81	77	3

UPPER AIR DATA

MAY 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	898		30.8	32.1					1,491	0	23.8	24.6	0	79	224	5	3,139	0	8.6	18.6	0	64	218	4	5,819	0	-10.7	16.2	0	72	276	9	9,531	0	-39.7	11.6	0	76	277	15
		12,184	0	-58.4		1	81	282	17	13,966	0	-63.1		2	87	281	15	16,459	0	-64.4		2	87	276	9	20,749	2	-57.2		2	24	3	1	24,018	3	-51.3		3	30	58	1
EL PASO	2	881		18.2	14.7					1,503	0	20.2	18.4	3	14	251	1	3,147	0	9.7	17.6	3	63	292	5	5,839	0	-10.2	14.9	4	61	282	6	9,558	1	-39.0	10.4	4	56	281	7
		12,215	1	-59.2		2	64	275	11	13,986	1	-64.7		2	87	280	14	16,445	1	-67.8		2	79	291	10	20,675	2	-59.1		3	64	85	3	23,928	5	-52.3		6	86	84	4
ALBUQUERQUE	2	838		13.8	13.8													3,126	0	7.9	15.3	0	78	289	7	5,802	0	-11.2	14.4	0	81	280	10	9,509	0	-40.2	9.5	0	71	271	12
		12,156	1	-60.2		1	76	275	15	13,923	1	-65.0		1	86	280	15	16,391	1	-66.7		1	77	290	10	20,650	1	-58.9		1	56	61	2	23,910	3	-52.6		3	76	86	3
OKLAHOMA CITY/W ROGERS WORLD	2	968		15.6	4.7					1,499	0	14.6	9.4	1	40	210	4	3,117	0	5.6	11.7	1	55	264	6	5,781	0	-12.2	10.8	0	74	278	11	9,480	0	-40.4	9.4	0	81	282	16
		12,125	0	-60.0		0	81	277	18	13,894	0	-64.4		0	90	275	19	16,375	0	-65.2		0	88	281	11	20,657	1	-58.4		1	59	57	2	23,917	2	-52.3		2	66	64	3
VICTORIA	2	1,010		20.7	2.4					1,518	0	16.7	11.2	0	56	181	6	3,148	0	8.0	16.0	0	29	226	2	5,833	0	-10.1	14.7	0	29	293	3	9,562	0	-37.9	10.7	0	59	271	8
		12,232	0	-58.0		0	74	265	13	14,012	0	-64.7		0	90	267	17	16,461	0	-68.8		0	91	279	11	20,670	1	-59.6		1	63	108	3	23,920	1	-52.5		1	96	80	7
BROWNSVILLE	2	1,012		22.2	1.7					1,515	0	17.9	11.9	0	52	174	5	3,152	0	8.8	14.2	0	10	239	1	5,843	1	-9.5	13.3	1	30	306	2	9,585	1	-37.2	10.4	1	74	268	10
		12,266	1	-56.8		1	87	261	20	14,049	1	-65.2		1	93	264	23	16,482	1	-70.9		1	93	271	11	20,662	1	-59.8		1	85	97	5	23,917	1	-51.7		1	97	86	9
UNITED STATES-SOUTHEAST																																									
WALLOPS ISLAND	2	1,017		14.4	4.1					1,513	0	9.0	8.0	0	73	264	8	3,099	0	1.2	11.9	1	82	267	14	5,732	0	-14.1	13.0	0	79	264	18	9,408	2	-40.8	7.8	3	76	268	24
		12,057	2	-58.3		3	81	273	26	13,843	2	-62.1		3	81	275	19	16,357	2	-61.3		3	84	275	11	20,698	2	-56.3		3	26	105	1	23,983	2	-51.5		6	18	69	1
MONETT	2	965		12.4	2.4					1,509	0	12.5	10.5	2	59	267	5	3,112	0	3.5	10.1	1	75	296	8	5,762	0	-12.9	12.9	0	82	283	14	9,459	0	-40.1	8.2	0	83	275	20
		12,104	0	-59.2		0	86	273	25	13,881	0	-63.5		0	90	282	20	16,379	0	-63.1		0	84	281	10	20,681	3	-58.3		3	62	21	2	23,943	3	-52.7		3	42	71	1
NORTH LITTLE ROCK	1	995		23.8	10.8					1,517	0	13.3	8.6	0	45	242	4	3,128	0	5.0	12.1	0	77	265	9	5,793	0	-11.5	14.7	0	84	282	14	9,511	1	-39.1	9.2	1	82	277	17
		12,166	1	-59.3		1	83	271	20	13,937	1	-64.8		2	91	271	19	16,413	1	-65.2		2	93	279	13	20,697	1	-58.1		1	61	9	2	23,963	1	-51.7		1	47	42	2
LONGVIEW	2	1,001		17.6	2.5					1,522	0	15.4	11.2	0	58	227	5	3,144	0	6.7	15.6	0	48	265	5	5,818	0	-11.4	15.2	0	63	275	7	9,534	0	-38.7	11.2	0	72	271	11
		12,195	0	-58.7		0	81	271	17	13,968	0	-64.8		1	92	269	17	16,440	0	-66.3		0	92	280	11	20,698	1	-58.1		1	54	66	2	23,968	2	-51.4		3	85	86	5
NASHVILLE	2	995		13.0	1.5					1,509	0	9.8	7.0	0	67	271	7	3,103	0	2.8	12.3	0	77	271	11	5,748	0	-13.2	13.3	0	83	273	16	9,442	0	-39.7	10.5	0	81	272	21
		12,098	0	-58.7		0	83	271	24	13,874	0	-63.6		0	91	276	21	16,371	0	-63.3		0	90	278	11	20,687	1	-57.2		1	35	19	1	23,957	1	-52.3		2	49	65	2
WAYCROSS	2	1,012		17.0	1.8					1,537	0	13.1	7.8	0	53	260	4	3,151	0	6.0	12.4	0	66	260	6	5,821	0	-11.2	14.4	1	73	270	9	9,544	2	-38.3	12.1	3	79	275	12
		12,211	2	-58.4		3	88	277	18	13,982	2	-65.9		3	93	277	21	16,434	2	-67.8		3	91	276	12	20,684	2	-58.4		3	58	62	2	23,946	3	-51.8		4	77	82	4
CAPE HATTERAS	2	1,017		18.0	3.8					1,527	0	11.1	6.2	0	73	255	7	3,124	0	2.7	10.7	0	80	257	11	5,773	0	-12.9	12.9	1	80	266	13	9,471	0	-39.6	9.9	1	78	271	17
		12,121	0	-59.6		4	81	278	18	13,892	0	-64.2		4	83	279	16	16,379	0	-63.4		4	81	273	10	20,694	2	-56.5		4	27	41	1	23,975	6	-51.0		6	24	54	1
CHARLESTON	2	1,017		18.0	2.8					1,538	0	12.6	8.6	1	65	256	5	3,146	0	4.8	11.6	0	78	260	10	5,812	0	-11.6	12.7	0	81	271	12	9,529	1	-38.7	10.8	1	78	271	14
		12,188	1	-59.1		1	85	274	21	13,954	1	-66.1		2	91	278	20	16,420	3	-66.0		4	89	273	11	20,703	4	-57.0		5	44	38	2	23,980	5	-51.2		7	84	88	4
BOOTHVILLE	2	1,016		21.2	2.2					1,535	1	15.1	12.5	6	43	178	3	3,157	1	6.9	15.0	5	47	228	4	5,835	2	-10.6	15.4	4	53	260	5	9,565	4	-37.7	11.9	5	74	271	10
		12,239	6	-57.7		8	88	265	15	14,016	5	-65.3		6	93	264	19	16,461	6	-68.9		8	97	271	13	20,673	8	-58.9		9	33	64	1	23,929	8	-52.0		9	76	81	5
APALACHICOLA	2	1,017		19.1	3.0					1,542	0	13.9	7.2	0	57	217	4	3,161	0	6.4	13.6	0	58	243	4	5,836	0	-10.4	15.4	0	68	272	6	9,565	1	-37.7	11.6	1	78	275	11
		12,238	1	-58.0		1	92	271	19	14,011	1	-66.2		1	94	274	23	16,454	2	-68.6		2	95	275	13	20,684	3	-58.7		4	68	64	3	23,945	4	-51.7		4	88	90	8
WEST PALM BEACH	2	1,017		22.1	2.6					1,549	0	14.4	5.1	1	37	151	2	3,169	0	7.2	14.2	0	21	191	1	5,853	0	-9.6	13.2	0	79	268	5	9,597	1	-36.6	10.2	1	89	273	13
		12,283	1	-56.9		1	96	280	26	14,060	1	-66.5		1	96	283	25	16,483	1	-70.5		1	96	284	13	20,685	1	-58.7		1	80	74	4	23,942	1	-52.0		1	95	86	7
KEY WEST	2	1,016		25.3	4.3					1,548	0	15.2	5.1	4	54	140	3	3,172	0	7.5	12.1	4	43	180	2	5,862	0	-8.8	11.7	5	78	265	5	9,619	0	-35.7	10.2	5	94	270	15
		12,314	0	-56.4		4	97	276	25	14,092	0	-67.2		4	97	281	24	16,494	0	-72.9		4	95	284	12	20,658	1	-59.8		5	81	85	4	23,907	1	-52.6		5	96	87	9
MEXICO-NORTHERN																																									
EMPALME	2	1,009		20.6	6.2					1,509	0	20.9	18.6	0	36	168	2	3,155	0	9.8	16.8	0	35	192	2	5,851	0	-10.1	14.7	0	20	285	2	9,577	0	-38.2	13.2	0	68	279	8
		12,248	0	-57.4		0	85	274	14	14,033	0	-64.3		0	93	274	16	16,484	0	-69.6		0	90	284	11	20,672	3	-59.9		3	79	96	4	23,921	3	-52.6		3	96	85	8
MAZATLAN CARRASCO	2	1,010		22.1	1.9					1,503	0	19.9	14.5	1	24	85	1	3,150	0	10.2	15.1	1	21	192	1	5,850	0	-9.2	13.5	2	30	304	2	9,603	0	-35.5	13.0	0	78	273	13
		12,305	1	-55.3		1	92	268	24	14,095	0	-65.3		1	94	264	22	16,515	2	-73.1		2	94	273	11	20,647	4	-61.8		5	90	88	6	23,874	5	-53.1		5	98	79	10
MONTERREY AEROP. INTL	2	961		20.0	2.6					1,510	0	18.4	9.2	3	55	154	4	3,152	0	9.8	14.5	3	27	323	2	5,848	0	-9.4	14.8	0	42	300	3	9,591	3	-37.0	11.2	3	73	257	9
		12,270	5	-56.3		5	89	261	18	14,058	5	-64.9		6	89	262	21	16,495	6	-71.0		7	92	267	13	20,667	7	-60.5		7	71	93	4	23,915	10	-52.4		10	93	81	8
GUADALAJARA	2	846		12.8	3.3													3,150	3	9.5	8.8	11	58	248	3	5,849	4	-8.9	13.7	11	75	248	6	9,615	6	-34.3	13.7	11	92	262	17
		12,322	8	-54.5		11	95	259	24	14,113	9	-65.9		11	95	253	22	16,515	10	-73.5		11	94	257	12	20,630	11	-62.4		12	79	96	4	23,857	11	-54.1		12	98	76	10
MEXICO-SOUTHERN																																									
MANZANILLO	2	1,011		23.8	3.4					1,507	1	19.1	13.4	1	19	352	1	3,150	1	8.5	10.9	1	4	54	**	5,847	1	-8.5	14.7	1	36	284	2	9,628	1	-33.6	14.5	1	89	283	14
		12,343	1	-54.6		1	93	269	19	14,134	1	-66.7		1	96	266	18	16,527	1	-74.7		1	83	274	7	20,642	2	-62.3		2	74	95	5	23,874	4	-53.5		4	84	86	11
VERACRUZ, YLANG YLANG	2	1,009		24.1	2.3					1,511	0	18.4	4.8	1	13	50	1	3,153	0	9.6	10.1	1	51	342	2	5,864	0	-7.2	8.9	0	63	253	4	9,659	0	-32.8	11.9	1	85	232	13
		12,386	0	-54.3		0	86	227	19	14,174	0	-67.7		0	92	231	18	16,552	5	-75.8		5	89	240	10	20,661	7	-62.3		7	85	64	6	23,891	7	-53.9		7	95	60	12
MERIDA AEROP. INTL.	2	1,012		23.0	1.1					1,523	0	17.9	7.4	2	85	130	7	3,159	0	8.6	7.6	0	54	135	2	5,865	0	-7.1	10.9	0	54	256	3	9,656	0	-33.0	10.2	0	92	253	15
		12,381	0	-54.2		0	94	257	22	14,172	0	-66.6		0	97	264	23	16,568	0	-74.4		0	97	267	12	20,706	0	-60.7		0	85	83	5	23,949	1	-52.8		1	97	86	11
MEXICO CITY INT.AP. D.F.	2	782		12.2	6.8													3,155	0	8.7	6.2	1	26	323	1	5,855	0	-7.8	10.6	1	53	294	4	9,637	0	-33.5	11.8	3	89	263	14
		12,358	2	-54.5		2	88	258	20	14,145	2	-67.5		2	91	256	18	16,526	5	-76.4		5	84	259	9	20,618	12	-62.8		12	70	101	5	23,851	12	-53.2		12	98	85	12
ADJACENT ISLANDS																																									
NASSAU INTL.AP BAHAMAS	2	1,017		23.2	1.9					1,550	0	14.7	4.7	0	58	123	4	3,172	0	7.2	12.8	0	21	131	1	5,859	0	-9.2	11.8	0	71	265	5	9,610	0	-36.2	9.2	0	94	280	15
		12,297	0	-57.0		0	95	287	29	14,070	0	-67.5		0	97	287	28	16,476	0	-72.2		1	96	292	15	20,656	1	-59.4		2	90	85	6	23,917	1	-51.6		3	97	94	11
GRAND CAYMAN, B.W.I.	2	1,013		25.3	2.3					1,532	0	16.3	3.8	0	95	115	7	3,160	0	7.9	11.7	0	82	120	4	5,871	0	-6.8	11.3	2	52	262	2	9,662	0	-33.6	10.2	1	87	278	11
		12,376	1	-55.4		2	95	282	20	14,155	1	-67.9		2	96	282	19	16,531	1	-75.1		2	92	290	9	20,664	1	-61.1		2	94	86	6	23,901	4	-52.8		6	99	94	14
SAN JUAN/INT., P.R.	2	1,016		24.0	2.0					1,544	0	14.8	2.9	0	94	113	7	3,167	0	7.5	12.8	0	49	102	2	5,864	0	-8.1	15.4	0	53	338	3	9,643	2	-34.0	13.9	3	96	309	16
		12,355	0	-55.1		0	93	301	24	14,141	0	-67.1		0	95	296	25	16,529	0	-74.8		0	96	296	13	20,667	0	-61.6		0	96	97	7	23,894	1	-53.9		1	98	106	16
RAIZET, GUADELOUPE	2	1,015		25.7	3.6					1,539	0	15.2	2.6	0	96	102	7	3,166	0	8.9	9.3	0	72	93	3	5,872	0	-5.6	11.5	0	63	271	4	9,678	0	-32.1	10.2	0	91	278	17
		12,408	0	-53.9		0	93	278	21	14,194	0	-67.6		0	96	277	23	16,568	0	-76.0		0	96	274	17	20,672	0	-62.8		0	85	95	7	23,893	1	-54.2		2	98	98	18
GRANTLEY ADAMS AP,BARBADOS	2	1,010		26.4	4.8					1,539	0	15.7	3.1	0	97	81	9	3,171	0	9.6	15.5	0	74	98	5	5,883	0	-6.3	17.2	0	60	226	2	9,693	0	-32.1	14.4	0	88	257	11
		12,420	1	-54.6		1	92	263	16	14,203	1	-68.0		1	95	273	18	16,571	1	-77.5		1	96	266	12	20,672	2	-62.4		1	98	88	9	23,876	4	-54.9		3	100	92	23
DR.A. PLESMAN AP.CURACAO	3	1,006		26.4	4.2					1,516	0	17.4	5.9	0	97	97	10	3,150	0	9.2	11.9	0	88	107	6	5,867	0	-4.4	20.0	0	20	14	1	9,682	0	-31.8	14.4	0	76	278	6
		12,413	0	-54.3		0	78	277	9	14,197	0	-68.1		0	87	281	12	16,563	0	-77.5		0	84	276	8	20,657	3	-63.3		3	96	83	9	23,861	3	-55.8		3	99	85	24

UPPER AIR DATA

MAY 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																																									
DOMINICAN REPUBLIC																																									
SANTO DOMINGO	2	1,014		23.5	3.1					1,537	11	15.1	2.3					3,164	11	8.8	16.9					5,875	11	-6.6	16.7					9,680	13	-32.8	13.9				
		12,408	13	-53.6						14,206	14	-65.8						16,605	15	-74.0						20,740	18	-59.7						23,993	19	-52.4					
SOUTH AMERICA																																									
VENEZUELA																																									
LA CANADA(MARACAIBO)		1,008		26.1	4.0					1,509	1	17.2	3.0	1	73	104	6	3,143	1	8.2	1.0	18	4	106	9	5,447	1	-6.7	16.7	1	26	96	3	9,648	1	-32.5	13.8	1	30	232	4
		12,370	3	-55.5		3	52	296	9																																
MARACAY-B.A. SUCRE		963		23.7	4.1					1,498	0	17.6	3.1	2	65	87	4	3,135	0	8.4	7.3	2	35	87	4	5,844	0	-6.3	0.3	2	74	101	8	9,663	0	-31.6	9.3	2	23	310	3
		12,998	2	-55.6		4	43	240	8	14,187	3	-67.6		5	61	288	15	16,558	5	-77.9		6	66	289	14	20,626	5	-64.4						23,809	9	-55.7					
SAN ANTONIO DEL TACHIRA		969		22.2	0.2					1,496	2	17.2	2.6	2	99	135	11	3,131	2	7.1	2.5	2	97	140	14	5,836	2	-6.6	21.8	8	86	100	9	9,642	2	-32.2	15.5	2	54	90	5
		12,366	2	-54.8		2	12	335	2																																
SANTA ELENA DE UAIREN		914		18.4	0.9					1,500	9	16.3	2.1	9	77	74	5	3,132	9	-7.9	5.2	9	89	90	8	5,838	9	-6.9	8.8	9	51	64	2	9,642	9	-32.6	13.9	9	79	103	13
		12,360	4	-45.4		9	59	227	11	14,171	9	-68.3		9	59	203	12	16,506	9	-77.6		9	62	272	20																
FRENCH GUIANA																																									
CAYENNE/ROCHAMBEAU	2	1,012		23.7	0.5					1,516	0	16.6	3.0	0	85	90	7	3,150	0	8.9	5.5	0	85	97	8	5,866	1	-5.3	7.9	1	93	99	10	9,696	1	-30.1	8.3	1	90	126	8
		12,448	1	-52.6		1	52	159	6	14,244	1	-66.4		1	56	265	6	16,618	2	-77.5		2	43	232	4	20,652	2	-68.8		2	16	73	2	23,787	8	-57.6		9	99	98	38
COLOMBIA																																									
BOGOTA/EL DORADO	2	753		9.8	2.0													3,148	0	7.6	2.8	0	77	89	2	5,852	0	-6.6	5.3	0	78	88	5	9,661	0	-32.0	11.4	0	71	97	4
		12,386	0	-55.2		0	27	65	2	14,162	0	-69.1		0	37	277	3	16,504	2	-80.3		2	38	291	2	20,536	3	-67.7		3	89	83	9	23,686	6	-57.4		7	99	81	28
GAVIOTAS/VICHADA	2	983		23.8	1.1					1,435	3	16.9	2.8					3,073	3	6.6	2.8					5,749	3	-8.2	6.3					9,537	4	-33.3	11.3				
		12,239	4	-56.8						14,000	5	-70.5						16,335	14	-77.1						20,444															
PERU																																									
LIMA-CALLAO/INTL AP/	1	1,011		18.7	2.6					1,498	10	18.1	10.2	10	17	3	**	3,140	10	10.6	13.1	10	47	132	2	5,867	10	-5.8	4.5	10	74	48	4	9,681	10	-32.4	12.2	10	67	336	6
		12,405	10	-54.5		10	69	311	10	14,188	11	-68.6		16	73	274	8	16,543	20	-77.8		21	92	289	8																
BRAZIL-NORTHERN																																									
MANAUS AERO PONTA PELADA		1,003		25.2	2.0					1,525	7	18.1	3.9	5	79	83	5	3,168	7	9.1	3.8	5	76	108	4	5,890	7	-5.7	7.8	5	83	103	6	9,700	7	-32.2	13.9	5	85	93	7
		12,440	7	-52.8		8	47	117	4	14,250	10	-65.7		9	20	180	2																								
VILHENA /AEROPORTO/		946		21.6	4.4					1,512	8	17.8	4.6	7	60	34	2	3,156	8	10.2	7.4	7	50	1	2	5,876	8	-4.5	18.0	8	49	68	2	9,687	9	-32.0	19.8	7	24	140	1
		12,431	8	-52.8		7	10	73	0	14,234	10	-65.3		9	32	265	2																								
BELEM/AERO VAL DE CAS		1,011		26.5	3.5					1,527	5	18.2	5.8	4	92	104	4	3,168	6	9.6	6.6	4	81	90	3	5,892	5	-5.7	8.0	4	91	86	4	9,712	5	-32.0	15.7	4	84	73	5
		12,449	5	-53.4		4	41	68	3	14,234	5	-67.3		4	24	235	2	16,596	6	-78.1		5	30	132	2	20,642	9	-68.3		8	82	78	9	23,788	10	-56.9		10	98	85	24
SAO LUIZ		1,006		25.7	1.6					1,519	5	18.5	5.4	5	94	121	6	3,158	5	10.0	5.4	5	91	105	5	5,880	6	-4.8	6.8	6	83	101	4	9,720	8	-29.1	13.7	8	78	78	6
		12,470	9	-51.9		8	33	58	3	14,280	9	-66.1		8	18	318	2	16,650	9	-78.8		8	34	132	3	20,641	11	-68.8		11	85	84	10								
FORTALEZA		1,008		25.9	1.9					1,518	4	18.7	3.2	6	95	134	8	3,165	4	11.6	5.4	4	92	101	5	5,900	5	-4.1	7.8	6	91	104	6	9,720	7	-30.3	12.0	5	84	72	8
		12,470	7	-52.1		5	49	49	4	14,270	10	-66.1		5	20	287	2	16,600	13	-77.8		5	31	81	2	20,670	17	-68.1		17	69	88	7								
FERNANDO DE NORONHA		1,005		26.7	2.5					1,519	8	17.8	5.6	6	87	100	5	3,158	6	10.2	6.6	6	90	82	4	5,880	7	-5.1	11.2	6	74	102	3	9,710	7	-30.6	16.0	6	78	64	5
		12,450	7	-58.2		6	64	41	5	14,280	7	-66.8		7	18	59	2	16,610	9	-78.6		8	29	175	2	20,620	13	-69.1		11	81	100	7								
NATAL /AUGUSTO SEVERO/		1,008		25.9	2.5					1,518	12	17.1	4.1	11	90	124	7	3,153	11	9.6	9.0	11	67	100	4	5,880	11	-4.2	14.4	11	86	102	6	9,730	11	-29.9	19.2	11	53	71	5
		12,480	11	-51.8		11	44	34	4	14,280	11	-66.1		11	11	328	1	16,600	11	-76.9		11	29	172	2	20,730	14	-68.1		14	3	82	9								
CAROLINA		991		25.9	3.4					1,533	8	18.9	3.9	7	93	101	5	3,172	7	10.7	12.3	5	94	110	5	5,900	9	-3.8		6	75	104	4	9,743	10	-29.3		9	83	114	7
		12,523	13	-51.4		12	39	77	3	14,323	13	-65.9		12	52	138	2									20,706	14	-66.3		14	96	109	9								
RECIFE /CURADO/		1,012		26.7	3.4					1,529	8	17.8	3.8	7	68	108	5	3,158	8	10.6	8.4	7	64	92	4	5,905	10	-3.9		7	70	101	5	9,774	14	-29.3		10	31	339	2
		12,481	14	-52.9		11	31	320	3	14,271	15	-67.5		12	24	299	2																								
SALVADOR (OLINDA)		1,007		25.6	3.5					1,522	15	16.4	3.2	14	91	101	7	3,152	14	11.9		14	61	91	5	5,875	15	-5.0		14	76	89	6	9,697	16	-31.2		16	32	159	4
BRAZIL-SOUTHERN																																									
CAMPO GRANDE		950		22.4	5.4					1,526	6	19.0	6.3	4	62	10	4	3,167	6	9.2	8.2	4	83	344	7	5,880	6	-6.6	18.9	4	60	316	4	9,665	6	-33.5	17.7	5	85	280	14
		12,392	6	-51.3		9	88	272	19	14,191	7	-65.5		12	90	267	15	16,591	7	-75.2		12	89	275	11																
BRASILIA/AEROPORTO/		899		20.7	5.1					1,546	3	18.7	6.5	1	93	79	7	3,183	3	8.9	12.7	1	50	55	2	5,906	3	-4.7	20.2	1	34	90	3	9,730	3	-32.3	21.2	1	33	202	4
		12,455	3	-53.9		1	43	236	2	14,244	4	-66.9		1	56	253	8	16,620	3	-74.6		2	48	252	4	20,702	7	-62.7		4	90	78	8	23,884	9	-55.9		6	95	81	17
TRINIDADE/ILHA/		1,018		26.6	5.8					1,521	7	15.0	4.5					3,172	7	9.3	24.8					5,875	7	-6.8						9,660	7	-34.1					
		12,365	8	-55.2						14,180	7	-66.5						16,548	7	-75.3						20,663	9	-60.8													
RIO DE JANEIRO/AERO GALEAO		1,011		23.8	3.6					1,550	6	17.5	7.9	5	66	329	3	3,184	6	9.2	16.5	4	39	274	2	5,906	6	-5.9	23.0	4	70	280	8	9,706	6	-33.9	19.8	4	79	270	18
		12,425	7	-53.8		10	77	255	19	14,222	7	-65.5		12	84	262	18	16,624	6	-75.9		14	94	264	14	20,715	6	-61.0		15	17	201	1	23,954	8	-53.5					
SAO PAULO(AEROPORTO)		926		18.7	3.8					1,535	4	16.5	7.0	4	58	347	2	3,166	4	8.0	14.1	4	59	292	4	5,868	4	-7.6	20.5	4	65	269	8	9,634	4	-35.4	18.2	4	85	275	18
		12,340	4	-54.8		6	84	264	22	14,134	4	-66.0		8	85	264	19	16,522	6	-76.8		12	82	252	12	20,630	8	-61.5		14	35	188	2	23,829	13	-54.4					
CURITIBA/AERO AFONSO PENA		914		15.0	2.1					1,529	5	15.5	6.8	5	57	328	3	3,158	5	7.8	14.7	5	82	279	7	5,854	5	-7.9	22.9	7	83	267	11	9,629	5	-34.6	19.4	9	92	267	23
		12,380	5	-54.8		15	93	254	30	14,120	6	-65.5						16,536	6	-73.7						20,711	6	-55.9						23,967	10	-51.0					
PORTO ALEGRE/AERO S.FILHO		1,014		14.9	2.6					1,492	6	11.8	5.5	4	67	262	6	3,105	6	4.6	11.2	4	90	263	12	5,770	6	-11.4	16.9	6	89	257	16	9,488	6	-37.2	13.7	16	91	231	18
		12,176	6	-56.3						13,956	8	-65.1						16,395	8	-69.0						20,584	11	-59.0						23,826	12	-52.6					
CHILE																																									
ANTOFAGASTA/CERRO MORENO	2	1,003		12.7	3.5					1,500	14	17.2	23.7	14	58	24	2	3,135	13	9.2	22.4	13	87	330	5	5,834	13	-8.4	18.3	13	95	276	13	9,597	13	-35.8	12.5	14	95	277	25
		12,291	14	-55.6		16	97	281	36	14,079	14	-65.8		20	99	280	33	16,487	14	-74.2		19	97	277	23	20,638	14	-58.3		18	87	254	8	23,906	16	-51.3		17	9	269	1
QUINTERO	2	1,019		9.4	1.3					1,512	0	8.9	15.0	0	53	326	4	3,095	0	0.3	16.7	0	77	316	11	5,705	0	-16.9	13.0	1	86	279	22	9,347	0	-42.3	7.3	13	81	249	27
		11,988	0	-57.5		19	79	236	25	13,793	1	-60.1		21	84	231	26	16,325	1	-61.5						20,584	3	-57.8		18	94	256	9	23,831	4	-53.4		19	87	273	19
PUERTO MONTT /EL TEPUAL	2	1,004		6.7	1.7					1,433	0	-0.2	2.2	3	67	271	8	2,966	0	-8.0	9.6	1	70	243	11	5,504	0	-23.8	10.1	2	70	249	18	9,052	1	-47.8		3	71	253	28
		11,662	1	-56.5		10	86	254	25	13,489	1	-56.9		10	91	255	22	16,042	2	-58.9		10	91	254	24	20,389	2	-59.7		10	92	252	18	23,604	4	-57.0		10	99	253	21

UPPER AIR DATA

MAY 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
SOUTH AMERICA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
CHILE																																											
PUNTA ARENAS/CARLOS IBANEZ	2	997		-0.1	2.9					1,306	2	-5.3	4.7	3	68	234	7	2,806	2	-14.3	6.8	3	68	226	8	5,280	2	-30.1	8.9	3	67	227	11	8,744	2	-51.9		5	54	218	11
		11,334	2	-56.0		6	68	220	14	13,162	3	-55.3		8	77	230	13	15,739	3	-57.5		9	85	243	15	20,088	10	-61.1		15	91	249	19	23,256	14	-61.7		19	98	256	25
ANTARCTICA																																											
ISLAS ORCADAS B.N.	2	992		-3.9	2.1					1,213	1	-7.6	3.1					2,704	1	-14.3	7.3					5,175	1	-30.2	7.2					8,617	1	-54.1	6.9				
		11,168	1	-59.2						12,967	1	-58.9						15,498	2	-61.2						19,748	15	-65.9						22,844	20	-67.4					
MCMURDO	1	989		-17.4						1,146	11	-21.4		11	69	197	19	2,560	11	-27.1		11	72	207	17	4,929	11	-39.1		11	66	206	18	8,293	12	-57.9		12	55	220	18
		10,845	15	-60.7		16	58	245	17	12,618	17	-62.1		19	65	251	17	15,188	25	-64.9		25	89	282	24																
AMUNDSEN-SCOTT	1	683		-53.8														2,608								4,978	1	-42.4		1	34	285	7	8,281	1	-62.1		1	36	215	9
		10,754	4	-65.2		4	32	213	6	12,512	7	-66.1		8	34	162	6	14,956	14	-69.9		9	40	126	6																
EUROPE																																											
ICELAND																																											
KEFLAVIK	2	1,007		6.2	3.2					1,397	0	-2.8	4.8	0	45	215	4	2,918	0	-9.3	8.8	0	55	244	6	5,450	0	-24.0	10.2	0	58	261	9	9,004	0	-46.3		0	62	273	16
		11,660	0	-49.7		0	68	268	13	13,552	0	-48.7		0	73	259	8	16,206	1	-50.6		1	62	257	4	20,729	3	-50.2		3	57	142	2	24,072	7	-48.9		7	84	116	3
UNITED KINGDOM																																											
LERWICK	3	1,005		7.3	3.2					1,446	0	0.4	5.7	0	27	266	2	2,981	0	-7.1	10.1	0	35	236	3	5,534	0	-22.3	10.1	0	35	243	4	9,089	0	-48.7		0	27	281	5
		11,697	0	-53.5		0	28	297	3	13,560	0	-51.2		0	9	291	1	16,189	0	-52.4		0	20	158	1	20,670	1	-52.0		1	64	113	3	23,898	1	-50.6		1	70	99	4
STORNOWAY	3	1,014		8.6	2.7					1,451	0	0.1	5.0	0	14	226	1	2,986	0	-7.1	10.3	0	28	257	3	5,539	0	-21.9	10.2	0	29	245	4	9,096	1	-48.1		0	24	250	5
		11,708	1	-53.9		0	42	323	6	13,566	1	-51.9		0	31	349	3	16,190	1	-52.6		0	31	33	2	20,668	1	-52.1		0	78	98	4	23,973	2	-50.6		2	82	95	5
AUGHTON	0	1,007		10.6	6.1					1,444	0	1.2	6.3	0	62	48	4	2,983	0	-6.4	9.4	0	54	43	4	5,538	0	-22.0	12.0	0	42	44	5	9,087	0	-49.0		0	45	45	8
		11,690	0	-53.9		0	64	28	8	13,549	0	-52.0		0	57	42	4	16,171	0	-52.8		0	41	90	2	20,631	1	-53.0		0	64	104	3	23,926	1	-51.2		0	80	100	5
CRAWLEY	3	994		9.4	3.9					1,423	0	1.5	4.3	1	68	49	6	2,965	0	-5.9	8.5	1	63	48	5	5,521	0	-22.8	10.8	1	60	51	6	9,064	0	-49.5		1	48	60	8
		11,677	0	-52.2		1	50	54	5	13,546	0	-51.0		1	35	65	3	16,174	0	-52.4		1	28	119	2	20,638	0	-53.1		1	44	126	2	23,936	0	-51.5		1	63	112	4
IRELAND																																											
VALENTIA OBSERVATORY	3	1,014		10.6	4.1					1,458	0	1.5	6.1	0	53	7	4	3,002	0	-5.4	14.5	0	47	7	4	5,562	0	-21.2	13.8	0	46	360	6	9,135	0	-46.6	11.7	0	54	357	11
		11,722	0	-55.5		0	76	358	13	13,595	0	-53.1		0	81	7	9	16,201	1	-53.8		0	62	21	4	20,653	1	-53.0		3	71	90	2	23,959	6	-50.8		8	78	106	4
NORWAY																																											
BJORNOYA	3	1,012		-0.2	2.2					1,394	0	-5.3	6.2	0	70	268	6	2,904	0	-11.1	9.9	0	80	266	9	5,417	0	-25.9	9.5	0	80	266	13	8,931	0	-48.8		0	80	268	17
		11,589	0	-47.1		0	90	266	12	13,498	0	-46.5		0	88	267	10	16,179	0	-48.3		0	90	269	7	20,742	0	-47.8		0	36	280	1	23,715	0	-45.7		0	19	290	1
JAN MAYEN	3	1,012		-0.5	2.4					1,390	1	-5.9	5.7	9	45	218	4	2,896	0	-11.6	8.1	9	64	221	6	5,404	0	-26.0	11.4	0	60	217	8	8,922	1	-48.3	13.3	2	67	228	14
		11,588	1	-46.9	27.5	4	73	237	10	13,497	1	-46.5	30.0	4	74	237	8	16,176	2	-48.1	30.2	2	73	237	6	20,734	3	-48.5	30.4	6	40	187	2	24,101	1	-47.7	30.7	9	74	115	3
BODO	3	1,012		8.6	3.1					1,441	0	1.6	4.3	0	70	224	6	2,981	0	-7.2	5.3	0	63	232	7	5,593	0	-22.9	7.4	0	55	231	8	9,073	0	-48.3		0	52	238	10
		11,706	0	-49.8		0	71	234	8	13,597	0	-48.3		0	68	228	6	16,258	0	-49.9		0	63	226	4	20,785	0	-49.4		0	42	349	2	24,136	0	-48.6		0	10	315	1
ORLAND	3	1,012		9.9	4.4					1,447	0	2.6	4.8	0	53	211	5	2,990	0	-7.0	5.3	0	48	213	5	5,542	0	-22.6	7.3	0	30	198	4	9,095	0	-48.1		0	19	234	4
		11,726	0	-50.6		0	41	210	5	13,608	0	-49.9		0	38	191	3	16,261	0	-50.5		0	60	182	3	20,778	1	-50.3		1	44	128	2	24,111	3	-49.5		3	70	94	4
STAVANGER/SOLA	3	1,009		10.7	4.7					1,444	0	3.0	5.2	0	35	114	3	2,943	0	-7.3	6.4	1	31	96	3	5,550	0	-21.8	7.3	0	8	42	1	9,109	0	-48.0		0	52	358	9
		11,741	0	-51.1		1	0	100	1	13,616	0	-49.5		3	38	140	3	16,264	0	-51.0		2	52	145	3	20,873	0	-50.8		3	66	126	3	24,107	2	-49.8		5	75	94	4
OSLO/GARDERMOEN	3	988		10.8	6.9					1,450	0	3.0	6.1	0	34	120	3	2,994	0	-6.9	8.3	0	33	130	3	5,549	0	-22.1	11.6	0	29	140	4	9,105	0	-48.2		0	18	130	4
		11,835	0	-51.5		0	21	166	3	13,622	0	-49.3		0	41	178	4	16,271	0	-50.9		0	45	170	3	20,780	0	-51.3		0	35	130	2	24,633	0	-49.5		0	62	110	3
FINLAND																																											
SODANKYLA	3	993		9.3	7.7					1,456	0	1.7	4.7	0	52	246	4	2,997	0	-6.5	8.5	0	71	254	6	5,546	0	-23.1	9.0	0	71	260	8	9,086	0	-48.4	9.2	0	67	258	11
		11,711	0	-51.2		0	82	257	8	13,592	0	-49.6		0	84	260	6	16,237	0	-51.1		0	70	260	3	20,741	0	-50.6		0	23	99	1	24,078	0	-49.2		0	85	84	3
JYVASKYLA/LUONETJARVI	3	999		12.6	10.0					1,476	0	4.0	6.1	0	31	185	2	3,025	0	-5.4	10.7	0	44	206	3	5,585	0	-21.6	11.7	0	53	207	5	9,144	0	-48.1	9.6	0	56	215	7
		11,760	0	-52.7		0	68	222	6	13,638	0	-50.8		0	66	219	4	16,262	1	-52.2		0	52	217	3																
JOKIOINEN	3	1,002		12.8	7.4					1,470	0	4.4	6.8	0	42	139	3	3,022	0	-5.3	10.3	0	42	170	3	5,585	0	-21.6	13.0	0	51	192	6	9,150	0	-48.3	10.4	0	54	202	8
		11,768	0	-53.3		0	66	204	6	13,638	0	-51.3		0	65	203	5	16,272	0	-52.8		0	52	191	3	20,749	2	-52.5		2	46	106	2	24,083	5	-50.6		6	75	92	4
FRANCE																																											
BREST/GUIPAVAS	1	1,000		8.6	2.0					1,423	1	2.0	4.9	2	62	39	6	2,966	1	-6.1	7.7	2	65	35	6	5,522	1	-22.6	8.8	2	65	34	8	9,074	2	-48.4		2	58	29	10
		11,695	2	-52.6		2	74	12	8	13,560	2	-51.4		2	68	9	4	16,182	2	-53.3		2	41	25	1	20,641	3	-53.7		3	18	135	1	23,935	9	-52.1		6	53	116	2
TRAPPES	1	990		8.8	2.0					1,411	0	1.7	2.2	0	8	68	1	2,954	0	-6.6	4.3	0	6		**	5,503	0	-23.4	6.6	0	24	68	2	9,044	0	-48.7		1	23	86	4
		11,670	0	-51.3		3	21	82	2	13,544	0	-50.7		3	21	102	1	16,173	2	-52.4		2	35	143	2	20,631	4	-53.7		2	48	161	1	23,920	6	-52.6		5	43	108	2
NANCY/ESSEY	2	984		12.7	6.5					1,413	0	2.8	4.4	5	25	225	1	2,960	0	-5.3	6.8	6	24	195	2	5,522	0	-21.8	9.6	3	33	205	4	9,079	0	-47.8		3	46	200	8
		11,709	1	-50.4		2	52	206	5	13,592	1	-49.5		2	65	202	5	16,235	1	-51.4		3	60	187	4	20,714	6	-52.9		6	70	184	4	24,027	10	-51.3		9	48	125	2
LYON/SATOLAS	2	981		13.5	6.1					1,421	1	3.3	3.3	1	29	193	1	2,970	2	-5.7	4.8	1	57	191	4	5,528	1	-22.4	7.2	1	56	216	6	9,081	1	-47.5		1	59	218	10
		11,714	1	-51.0		2	81	225	8	13,596	2	-50.3		3	81	215	6	16,232	2	-51.9		3	81	205	5	20,715	4	-53.1		4	60	171	2	24,019	8	-51.5		8	48	129	2
BORDEAUX/MERIGNAC	1	1,005		10.1	2.7					1,419	1	2.2	4.2					2,962	1	-6.6	6.1					5,511	1	-23.3	7.4					9,055	1	-47.8					
		11,688	3	-50.5						13,559	4	-50.9						16,198	7	-52.7						20,656	8	-54.3						23,939	10	-53.2					
NIMES/COURBESSAC	1	1,002		11.6	4.2					1,420	1	4.4	4.2	5	18	1	1	2,975	0	-4.8	6.2	3	43	245	3	5,539	0	-21.7	8.5	4	68	253	6	9,102	1	-47.3		4	77	243	16
		11,728	1	-52.2		4	90	244	12	13,597	2	-51.4		4	93	241	9	16,221	2	-53.2		4	89	229	6	20,674	4	-54.6		5	45	210	2	23,949	12	-53.4					
AJACCIO/CAMPO DEL ORO	2	1,008		16.6	4.5					1,423	3	6.0	5.1	3	69	240	4	2,988	4	-3.2	4.4	4	75	224	8	5,575	4	-19.7	8.1	4	89	236	14	9,166	4	-45.8		4	90	246	24
		11,793	4	-53.6		6	95	242	23	13,651	5	-52.1		7	96	238	18	16,258	6	-55.2		8	92	233	11	20,682	6	-55.4		9	73	191	13	23,960	14	-52.9					
BELGIUM																																											
UCCLE	2	998		10.5	3.7					1,410	0	1.9	1.2	1	23	22	2	2,952	0	-6.4	2.9	1	20	50	2	5,505	0	-22.6	5.2	1	12	91	2	9,045	0	-49.4		1	23	119	4
		11,663	0	-51.2		1	24	136	3	13,540	0	-50.6		1	38	157	3	16,173	0	-52.1		1	54	162	4	20,642	5	-52.6		7	59	154	3	23,952	7	-50.6		9	71	119	4

UPPER AIR DATA

MAY 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
NETHERLANDS																																											
DE BILT	1	1,009		8.9	2.1					1,413	0	2.9	3.5	0	31	44	2	2,962	0	-5.7	7.0	0	31	58	3	5,523	0	-22.3	11.7	0	28	81	3	9,064	0	-49.3		0	23	97	4
		1,677	0	-52.0		0	26	118	3	3,549	0	-50.3		0	35	149	3	6,181	0	-52.7		0	47	163	3	20,643	0	-53.5		0	59	141	3	23,929	4	-51.7		2	67	107	4
SWITZERLAND																																											
PAYERNE/ STN. AEROLOGICAL	3	952		10.1	4.2					1,418	0	3.7	3.2	0	27	232	2	2,968	0	-5.2	4.0	0	60	207	6	5,524	0	-27.1	5.6	0	58	214	7	9,066	0	-48.8	4.7	0	53	214	11
		1,687	0	-41.4	6.8	0	76	224	10	3,556	0	-51.0		0	78	211	7	6,181	0	-53.0		0	72	206	11	20,621	0	-54.3		0	48	191	3	23,895	0	-52.8		3	40	124	3
FEDERAL REP OF GERMANY																																											
SCHLESWIG	3	1,004		11.0	4.5					1,420	0	3.1	4.1	0	48	93	4	2,969	0	-5.6	7.1	0	37	105	3	5,531	0	-22.2	8.0	0	25	126	3	9,084	0	-48.7	6.2	0	23	171	4
		1,710	0	-51.6	7.3	0	39	153	4	3,585	0	-50.5		0	47	166	4									20,687	0	-53.2		0	59	141	3	23,983	0	-52.5		0	76	108	4
HANNOVER	3	1,002		12.3	4.5					1,413	0	3.1	2.2	2	21	125	2	2,961	0	-5.8	4.4	3	28	171	2									9,079	0	-48.7	6.0	3	37	197	7
		1,704	0	-51.1	7.8	3	47	181	6	3,582	0	-50.2		3	58	183	5	6,218	0	-52.4		3	63	176	5	20,687	0	-53.2		3	62	153	3	23,984	0	-52.3		4	62	120	3
BERLIN/TEMPELHOF	2	1,003		15.3	7.8					1,417	0	4.0	4.7	0	36	151	3	2,971	0	-4.7	6.9	0	49	162	5	5,539	0	-21.5	9.4	0	58	172	7	9,094	0	-49.1	8.3	0	53	183	9
		1,716	0	-51.2	13.7	0	64	185	8	3,591	0	-50.4		0	70	186	7	6,229	1	-52.8		1	76	180	5	20,684	3	-53.2		3	60	153	3	23,984	3	-51.5		3	74	113	4
ESSEN	3	991		10.8	3.5					1,416	0	2.5	1.8	0	11	88	1	2,963	0	-5.8	4.5	0	15	100	1	5,524	0	-21.9	8.1	0	15	131	2	9,073	0	-49.0	6.1	0	21	158	5
		1,697	0	-50.8	7.8	0	33	163	4	3,574	0	-50.2		0	44	168	4	6,209	0	-52.3		0	56	176	4	20,675	0	-53.1		0	61	163	3	23,968	0	-52.4		0	66	119	3
STUTTGART/CANNSTATT	3	971		11.0	5.2					1,414	0	3.5	2.9	0	29	249	2	2,964	0	-5.6	4.4	0	47	233	3	5,526	0	-21.6	6.1	0	52	211	5	9,087	0	-48.2	5.3	0	47	201	9
		1,713	0	-51.4	6.7	0	68	205	8	3,589	0	-50.5		0	71	202	6	6,224	0	-52.2		0	76	196	5	20,685	0	-53.8		0	61	177	3	23,972	0	-53.0		0	52	117	2
MUNCHEN/OBERSCHLEISSHEIM	3	952		10.4	4.9					1,415	0	4.5	4.6	1	27	231	2	2,970	0	-4.8	4.6	1	60	226	5	5,540	0	-21.3	7.3	1	69	219	8	9,103	0	-48.2	6.2	1	62	220	12
		1,727	0	-51.9	8.1	1	77	212	9	3,599	0	-50.6		1	80	209	8	6,230	0	-52.7		1	79	203	6	20,687	0	-54.2		1	55	177	3	23,973	0	-52.9		1	57	112	3
AUSTRIA																																											
WIEN/HOHE-WARTE	3	986		14.1	6.4					1,433	0	6.5	5.4	0	38	204	5	2,998	0	-3.0	6.3	0	69	214	11	5,577	0	-20.5	10.1	0	77	216	18	9,142	0	-48.5		0	71	218	25
		1,751	0	-53.4		0	84	219	22	3,610	0	-51.7		0	79	215	15	6,227	0	-53.6		0	77	212	11	20,659	2	-54.6		2	37	177	3	23,939	6	-52.7		6	68	93	6
CZECHOSLOVAKIA																																											
LIBUS	3	972		12.4	5.9					1,422	0	6.1	4.5	0	28	350	2	2,985	0	-3.8	4.2	0	49	337	4	5,561	0	-20.6	6.9	0	67	343	7	9,132	0	-48.4	5.2	0	64	342	10
		1,748	0	-52.8	5.6	0	74	339	10	3,614	0	-51.3	6.3	1	79	341	8	6,239	0	-53.4		1	72	347	5	20,682	1	-54.4		6	57	7	3	23,960	14	-54.1		14	54	67	3
POPRAD/GANOVCE	3	928		10.8	3.6					1,448	0	6.6	3.5	0	63	202	3	3,004	0	-2.7	2.7	0	72	211	6	5,589	0	-19.0	5.6	0	78	207	8	9,178	0	-47.3	4.9	0	70	204	12
		1,786	0	-54.8	4.8	0	78	217	10	3,635	0	-52.4	5.6	0	81	215	7	6,243	0	-54.2		0	80	213	5	20,686	0	-55.4		4	42	173	2	23,924	10	-54.4					
HUNGARY																																											
BUDAPEST/LORINC	9	992		15.0	5.6					1,434	1	7.1	4.2	1	66	209	5	3,005	1	-2.3	5.1	1	78	217	7	5,594	1	-19.6	6.7	1	78	219	9	9,176	1	-47.5	4.9	1	69	220	12
		1,790	1	-54.0		1	83	228	12	3,649	1	-51.7		1	86	226	9	6,267	1	-53.8		2	79	224	6	20,700	16	-54.8		15	31	161	1	23,980	27	-52.7		27	60	92	3
SZEGED	3	1,000		16.0	6.6					1,447	0	7.9	5.8	1	60	214	5	3,021	0	-2.0	5.4	0	82	226	8	5,613	0	-19.3	7.3	0	80	223	10	9,202	0	-47.1	5.7	0	73	229	14
		1,816	1	-54.7		1	85	236	14	3,667	1	-52.5		2	88	234	10	6,277	3	-54.5		4	77	230	6	20,702	9	-55.4		9	31	190	1	23,956	16	-53.6		15	63	94	3
POLAND																																											
LEBA	3	1,010		11.5	4.3					1,437	1	5.1	4.5	1	39	133	3	2,997	1	-4.3	5.1	1	60	158	5	5,573	1	-20.3	7.9	1	62	175	8	9,145	2	-48.2		2	65	186	13
		1,760	3	-52.6		3	66	191	8	3,634	4	-51.1		4	72	184	6	6,261	5	-53.2		5	70	186	4	20,729	12	-53.8		12	60	124	3	24,020	18	-52.1		18	75	97	4
POZNAN-LAWICA	3	999		13.6	5.5					1,434	2	4.7	3.8	3	41	164	3	2,990	4	-4.8	5.2	4	49	177	4	5,566	4	-20.9	7.0	4	62	191	8	9,130	5	-48.6		5	61	198	11
		1,749	7	-52.5		7	73	190	9	3,617	9	-51.1		9	76	193	6	6,249	10	-53.1		10	67	194	4	20,697	14	-54.1		14	51	149	3	23,983	20	-52.1		20	53	112	3
LEGIONOWO	3	999		14.1	5.1					1,441	1	6.4	4.2	1	54	155	4	3,008	0	-3.3	4.7	0	64	178	6	5,592	0	-19.6	7.2	0	71	190	8	9,176	1	-47.7		0	66	193	12
		1,784	1	-54.5		1	75	197	10	3,639	1	-52.1		1	78	198	7	6,257	2	-54.1		2	78	200	5	20,687	4	-54.7		5	46	138	2	23,970	9	-52.9		10	74	98	4
WROCLAW I-MALY GADOW	3	995		11.2	2.1					1,423	0	5.4	3.2	2	27	167	2	2,985	0	-3.9	3.5	2	54	177	5	5,565	0	-20.0	5.8	2	71	186	8	9,148	0	-47.0		4	61	186	12
		1,772	0	-52.7		10	71	199	9	3,626	3	-51.4						6,249	12	-53.0																					
GIBRALTAR																																											
NORTH FRONT	3	1,013		17.0	6.4					1,466	0	5.9	4.5	0	91	275	9	3,032	0	-2.3	8.9	0	88	268	10	5,626	0	-18.5	9.2	0	84	267	15	9,230	0	-45.4		0	83	265	22
		1,865	0	-54.5		0	95	264	26	3,704	0	-55.4		0	98	262	24	6,278	0	-57.9		0	98	260	16	20,661	0	-55.2		0	48	225	2	23,938	1	-52.6		1	44	93	2
PORTUGAL																																											
LAJES /ACORES/	1	1,013		14.8	3.7					1,572	0	6.9	5.9	4	75	20	8	3,150	0	2.1		2	54	15	6	5,790	0	-14.7		4	54	5	6	9,450	1	-43.1		4	55	5	11
		2,070	3	-61.0		7	53	350	10	3,840	12	-61.5																															
LISBOA/GAGO CONTINHO	2	1,001		15.6	7.6					1,453	0	4.3	5.6	1	78	324	6	3,007	0	-3.0	13.2	0	78	321	9	5,583	0	-19.5	16.7	0	76	314	13	9,166	0	-46.5	16.5	0	73	307	18
		1,787	0	-55.0	20.4	0	89	295	18	3,621	0	-55.0	24.3	0	94	286	14	6,198	0	-56.8		0	97	276	9	20,614	1	-53.6		2	47	155	2	23,913	6	-51.1		8	61	132	3
CAPE VERDE																																											
SAL	2	1,008		23.5	6.9					1,224	2	21.4	29.7	2	33	355	32	3,173	2	9.8	18.8	2	49	190	4	5,875	2	-7.0	21.9	3	57	260	3	9,679	2	-32.4		3	86	280	14
		2,407	2	-54.1		2	89	250	17	4,196	2	-67.1		2	94	240	18	6,572	2	-76.8		2	86	250	8	20,671	2	-61.9		2	94	95	8	23,899	5	-53.6		5	97	90	19
MADEIRA																																											
FUNCHAL	2	1,012		18.3	7.6					1,519	1	5.4	4.2	1	74	344	3	3,100	1	1.7	22.3	1	72	341	6	5,740	1	-13.6	20.6	1	78	314	11	9,415	1	-41.4		1	80	297	18
		2,055	4	-58.0		4	89	285	22	3,862	7	-59.7		7	95	276	23	6,395	10	-61.5		9	96	271	16																		
SPAIN																																											
LA CORUNA	3	1,005		11.7	3.6					1,445	0	1.7	3.3	0	57	349	6	2,990	0	-5.7	8.4	0	69	342	8	5,550	0	-21.7	9.2	0	72	335	11	9,112	0	-46.9	9.7	0	74	332	16
		1,747	0	-52.8		0	82	332	13	3,605	0	-52.7		0	86	332	18	6,211	0	-54.2		0	79	312	4	20,665	2	-53.0		2	20	203	1	23,968	12	-50.6		9	15	151	2
MADRID/BARAJAS	3	938		11.3	5.9					1,443	0	4.6	5.0	0	44	291	3	2,994	0	-5.0	7.3	0	65	275	5	5,562	0	-20.9	10.2	0	65	275	10	9,132	0	-46.7	10.8	0	69	270	15
		1,766	0	-52.5		0	84	271	14	3,627	0	-52.5		0	92	265	11	6,236	0	-54.4		0	94	256	8	20,684	0	-53.5		0	63	212	3	23,985	1	-50.9		1	11	165	**
PALMA/SON BONET	3	1,005		15.9	4.5					1,435	0	6.0	7.0	0	55	259	5	2,995	0	-3.5	8.8	0	79	258	9	5,575	0	-19.7	12.6	0	85	247	15	9,157	0	-47.4	13.1	0	87	247	23
		1,770	0	-53.7		1	95	250	22	3,620	1	-53.7		1	93	248	17	6,213	1	-55.7		1	95	240	12	20,624	1	-54.9		1	54	285	2	23,902	5	-53.0		6	20	70	1
BULGARIA																																											
SOFIA OBS.		944		14.7	7.8					1,471	1	10.0	7.7	1	32	233	2	3,056	1	-0.2	6.9																						
										3,737	1	-55.1	6.8	1	90	260	18	6,327	1	-56.3	7.5	1	89	255	11	20,717	2	-56.9	8.1	2	47	224	2	23,946	2	-53.2	8.9	2	53	94	2
KURDJALI		974		17.9	7.7					1,482	6	10.3	7.3	3	42	245	2	3,070	3	0.1	7.6	3	69	290	5	5,662	4	-18.6	8.1	3	88	295	13	9,255	4	-46.2	6.2	3	86	300	10
		1,872	8	-56.5	17.5	6	96	295	13	3,704	12	-55.4	5.0	9	99	290	6	6,254	14	-57.1	5.8	9	99	20	8																		

UPPER AIR DATA

MAY 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
TURKEY																																									
SAMSUN	2	1,013		17.2	4.3					1,489	0	10.9	8.6	0	60	240	3	3,079	0	0.7	10.5	0	57	280	4	5,690	0	-17.1	13.2	0	67	270	6	9,313	0	-45.3		0	73	260	11
		11,932	1	-55.3		1	78	290	11	13,772	1	-54.5		0	75	300	9	16,358	2	-54.6		2	73	290	8	20,750	3	-55.2		3	75	270	6	24,041	8	-50.1		9	75	270	6
ISTANBUL/GOZTEPE	2	1,007		22.1	10.7					1,488	0	11.8	5.5	0	71	160	5	3,079	0	1.4	13.1	0	83	250	5	5,690	0	-16.2	12.8	0	90	265	10	9,321	0	-44.7		0	94	270	18
		11,921	2	-57.0		2	90	275	18	13,741	4	-56.2		4	88	260	16	16,343	8	-58.1		8	85	270	12	20,695	10	-56.9		10	62	250	5	23,888	14	-53.4		14	40	170	2
IZMIR	2	1,008		26.2	11.0					1,491	0	13.2	10.7	0	62	240	5	3,092	0	3.1	10.4	0	85	280	11	5,725	0	-15.4	8.8	0	91	280	20	9,371	0	-43.3		0	92	280	35
		11,987	2	-58.2		2	95	300	40	13,792	2	-58.3		2	95	295	36	16,325	3	-61.0		3	97	295	30	20,642	6	-58.2		6	33	100	6	23,092	6	-53.0		6	43	155	6
ANKARA/CENTRAL	2	912		22.0	16.4					1,505	0	14.8	12.1	0	67	260	4	3,104	0	1.0	8.6	0	71	260	5	5,721	0	-16.2	13.4	0	78	250	11	9,344	2	-44.6		2	72	260	16
		11,968	4	-56.1		4	87	290	21	13,796	4	-56.1		4	90	270	19	16,378	7	-57.5		7	87	275	13	20,741	8	-56.1		9	75	240	6	24,027	11	-49.9		11	62	220	5
ISPARTA	2	901		21.6	14.6					1,499	0	16.6	12.5	0	80	272	4	3,110	0	3.5	8.5	0	90	272	8	5,739	0	-14.8	8.2	0	94	265	16	9,404	0	-42.2		0	92	286	23
		12,042	0	-57.1		0	90	284	26	13,859	0	-57.6		1	89	283	24	16,401	2	-60.1		2	82	280	18	20,725	4	-57.6		4	86	280	12	23,991	5	-51.6		5	85	260	11
USSR																																									
MURMANSK		1,007		7.8	5.9					1,446	0	0.8	4.8	0	68	264	6	2,983	0	-7.4	6.8	0	74	270	8	5,529	0	-23.2	8.3	0	74	270	10	9,076	0	-48.3	6.0	0	73	269	15
		11,705	0	-51.2	7.3	0	90	271	12	13,586	0	-49.2	9.5	0	84	277	8	16,239	0	-50.8	10.6	0	82	288	6	20,752	0	-50.5	11.5	0	29	345	1	24,097	0	-49.0	12.8	0	61	67	2
ARKHANGELSK		1,016		11.1	7.8					1,474	0	2.4	6.6	0	55	276	4	3,021	0	-5.7	8.9	0	62	279	6	5,582	0	-21.5	9.0	0	61	280	8	9,146	0	-48.1	5.8	0	54	288	10
		11,753	0	-53.5	5.8	0	67	287	10	13,620	0	-50.9	6.5	0	66	297	8	16,253	0	-51.8	7.3	0	60	313	5	20,743	0	-51.4	8.4	0	54	17	3	24,072	0	-49.8	9.5	0	61	59	4
LENINGRAD /TOWN/VILLE/		1,007		13.6	8.1					1,478	0	4.9	6.7	0	42	178	3	3,036	0	-4.3	9.4	0	48	198	4	5,603	0	-20.3	11.1	0	48	207	6	9,185	0	-47.6	6.8	0	61	219	10
		11,794	0	-55.5	6.4	0	72	224	9	13,643	0	-52.5	7.8	0	64	225	6	16,258	0	-54.2	8.7	0	52	218	4	20,696	0	-52.9	10.1	0		158	**	23,994	2	-51.7	11.5	2	37	76	2
KAUNAS		1,002		15.5	6.0					1,457	0	6.3	3.6	0	43	135	4	3,022	0	-3.3	5.0	0	62	152	6	5,611	0	-18.9	6.2	0	66	173	7	9,209	0	-46.5	4.8	0	59	181	9
		11,825	0	-54.8	4.8	0	62	180	10	13,678	0	-51.6	5.6	0	67	182	9	16,304	0	-52.2	6.2	0	57	184	6	20,785	0	-52.5	7.0	1	48	180	5	24,097	0	-51.3	7.6	4	33	171	4
MINSK		986		14.8	6.7					1,468	0	7.7	5.3	0	66	166	5	3,039	0	-2.7	4.2	0	68	179	6	5,628	0	-18.9	9.3	0	74	191	8	9,218	0	-47.2	6.3	0	55	198	9
		11,811	0	-56.3	6.3	0	70	204	8	13,657	0	-52.7	8.1	0	76	203	6	16,263	0	-54.5	9.5	1	74	218	4	20,698	1	-54.4	10.7	1	46	100	2	23,973	2	-52.6	11.6	3	52	101	3
VOLOGDA		1,001		14.7	9.8					1,500	0	6.2	7.8	1	39	206	3	3,067	0	-3.1	9.4	1	62	218	6	5,655	0	-18.8	11.5	2	58	218	8	9,252	0	-46.3	8.2	0	51	236	9
		11,856	0	-56.5	7.3	1	51	241	6	13,701	0	-52.5	8.1	1	43	264	4	16,319	0	-53.0	8.7	1	26	296	2	20,795	1	-52.3	9.6	2	33	357	2	24,103	1	-50.8	10.6	3	46	32	3
MOSKVA		994		14.8	7.8					1,505	0	8.0	7.7	1	49	178	4	3,078	0	-2.5	7.5	0	70	200	7	5,668	0	-19.0	8.3	1	65	210	7	9,263	0	-47.5	6.1	0	55	223	8
		11,857	1	-57.0	57.0	15	2	230	6	13,692	1	-53.8	7.5	1	42	247	3	16,283	4	-55.2	9.0	4	15	276	1	20,718	1	-53.9	10.3	1	35	49	2	24,013	2	-51.6	11.4	2	53	69	3
KAZAN		1,003		17.4	12.3					1,517	0	9.0	10.7	3	55	279	4	3,092	0	-2.0	8.1	1	49	295	5	5,686	0	-18.7	10.4	0	61	304	7	9,288	0	-46.0	7.0	0	67	302	10
		11,897	0	-56.5	6.3	2	67	312	8	13,731	0	-53.4	7.0	2	64	306	6	16,337	0	-53.3	7.7	2	56	322	5	20,803	1	-53.0	8.6	2	27	330	2	24,105	1	-51.6	9.4	4	37		3
SARATOV		999		20.8	17.2					1,540	0	10.9	13.4	0	24	174	2	3,121	0	-1.3	9.5	0	12	203	1	5,716	0	-18.6	10.7	0	12	227	1	9,318	0	-46.1	6.8	0	18	313	2
		11,916	0	-58.7	6.0	0	48	309	4	13,744	0	-54.6	6.6	0	60	308	4	16,327	0	-55.0	7.1	0	47	302	3	20,764	0	-53.8	8.2	0	17	340	1	24,057	0	-52.0	9.2	0	48	35	3
LVOV		972		14.4	5.2					1,449	0	7.9	4.9	0	39	211	3	3,023	0	-1.7	4.4	1	49	208	4	5,624	0	-17.7	7.3	0	53	205	5	9,240	0	-45.6	5.9	1	37	216	6
		11,852	0	-55.0	5.4	1	63	208	7	13,701	0	-52.3	6.0	1	72	214	6	16,328	0	-52.9	7.0	2	65	218	4	20,787	1	-53.7	7.8	1	19	146	1	24,087	3	-51.9	8.7	7	44	86	3
KIEV		993		17.0	8.0					1,473	0	8.9	7.0	0	78	178	6	3,050	0	-2.0	5.6	0	76	183	7	5,644	0	-18.0	9.8	0	54	180	6	9,258	0	-45.4		0	42	185	7
		11,871	0	-56.7		0	53	202	7	13,714	0	-53.3		0	70	216	6	16,319	0	-54.8		0	70	226	4	20,737	0	-55.1		0	23	121	1	24,012	0	-52.9		0	61	96	3
HAR KOV		997		19.1	10.3					1,499	0	9.9	8.7	0	57	164	4	3,080	0	-1.8	6.7	0	59	169	5	5,673	0	-18.6	11.5	0	58	177	6	9,278	0	-46.5		0	40	179	6
		11,872	0	-57.8		0	39	206	5	13,702	0	-54.2		0	57	231	4	16,297	0	-55.7		0	60	289	3	20,714	0	-54.8		0	26	75	1	23,987	2	-53.1		3	60	93	3
ODESSA		1,008		15.5	4.6					1,477	0	9.7	9.5	0	67	177	5	3,064	0	-0.8	8.5	0	51	196	4	5,668	0	-17.2	9.9	0	44	227	5	9,297	0	-43.8	7.6	0	38	246	7
		11,930	0	-56.0	6.4	0	55	247	9	13,771	0	-53.9	7.8	0	59	251	7	16,378	0	-54.6	10.4	0	62	254	5	20,789	1	-55.7	11.4	1	30	140	1	24,055	1	-53.2	12.7	1	69	102	3
ROSTOV-NA-DONU		1,005		19.4	10.3					1,498	0	9.6	9.1	0	59	124	4	3,076	0	-1.8	8.2	0	70	133	5	5,664	0	-19.2	9.8	0	35	158	3	9,247	0	-47.7	6.5	0	23	198	3
		11,835	0	-58.2	6.0	0	41	232	4	13,662	0	-55.2	7.3	0	47	262	3	16,248	0	-56.7	8.4	0	69	289	4	20,642	0	-55.4	9.5	0	26	47	1	23,915	0	-52.8	10.0	0	70	68	3
TBILISI		959		16.4	8.0					1,498	0	9.6	7.2	4	45	142	3	3,077	2	-0.5	5.5	2	55	159	4	5,678	2	-16.8	8.1	2	23	222	2	9,303	2	-45.6	6.1	2	37	267	5
		11,910	2	-57.5	5.9	3	63	270	8	13,729	2	-55.6	7.0	3	82	270	9	16,306	2	-57.2	8.0	2	90	266	8	20,677	2	-57.3	9.0	2	16	265	1	23,930	2	-53.8	9.9	2	19	41	1
AFRICA																																									
MOROCCO																																									
CASABLANCA	2	1,008		18.1	5.6					1,481	0	6.7	6.5	0	69	274	5	3,056	0	0.0	11.6	0	83	272	7	5,677	0	-15.8	14.4	0	88	277	15	9,320	0	-42.0		5	90	265	23
		11,980	7	-55.3						13,870	10	-56.7						16,351	14	-59.9																					
SPANISH CANARY IS.																																									
SANTA CRUZ DE TENERIFE	3	1,013		19.2	7.8					1,518	0	7.6	6.7	0	81	353	5	3,115	0	5.1	19.8	0	80	305	6	5,780	0	-21.6	20.6	0	91	278	13	9,476	0	-39.7	14.2	0	96	270	23
		12,140	0	-56.3		0	96	267	34	13,940	0	-61.4		0	97	266	34	16,425	0	-65.9		0	98	266	20	20,678	0	-57.6		0	40	98	2	23,959	3	-46.1		4	87	92	7
ALGERIA																																									
ALGER/DAR EL BEIDA	3	1,010		16.7	6.0					1,460	0	7.6	6.8	0	77	260	7	3,030	0	-3.3	9.4	0	81	250	11	5,630	0	-18.1	9.3	0	91	240	16	9,247	0	-44.3		0	93	250	23
		11,885	0	-54.6		6	93	250	27	13,727	2	-55.1		9	98	250	24	16,308	6	-57.8																					
ELBAYADH										1,491	1	11.1	13.2	1	2	280	3	3,084	1	0.5	11.9	1	8	240	10	5,701	1	-16.3	15.2	1	10	240	21	9,310	1	-43.2		1	9	250	32
		11,974	1	-50.2		1	9	250	40	13,795	1	-58.3		3	10	240	40	16,332	8	-61.9		0	10	250	27																
BECHAR	2	919		23.1	24.6					1,487	0	13.8	14.8	1	9	330	**	3,190	0	2.9	14.0	5	73	240	11	5,724	0	-14.2	19.0	8	84	250	22	9,393	0	-40.6					
		12,054	0	-55.3						13,870	0	-59.8						16,379	0	-63.5						20,678	1	-57.2						23,944	3	-52.3					
TAMANRASSET	3	864		29.1	21.6					1,522	6	27.6	23.2	6	55	260	5	3,193	6	13.5	15.9	6	58	240	8	5,903	6	-9.4	7.4	6	75	230	13	9,673	6	-33.9	7.4	6	83	250	17
		12,396	6	-53.3		8	96	260	27	14,239	6	-66.5																													
EGYPT																																									
HELWAN	3	995		22.3	20.7					1,516	0	20.6	21.8	0	71	5	5	3,163	0	10.8	19.5	0	23	325	8	5,878	0	-8.4	13.0	2	80	310	14	9,636	1	-35.8	11.0	2	85	305	20
		12,352	3	-52.8						14,188	3	-58.3						16,204	2	-63.8																					
MAURITANIA																																									
NOUADHIBOU	2	1,015		21.6	9.3					1,537	4	19.8	21.9	6	17	280	3	3,181	4	10.2	18.0	9	85	250	8	5,884	4	-8.5	14.7	9	69	250	7	9,655	4	-33.7	14.3	9	85	290	18
		12,381	4	-52.7		9	99	270	33	14,190	4	-65.1						16,587	4	-74.9						20,730	8	-61.1													

UPPER AIR DATA

MAY 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
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
AFRICA																																											
SENEGAL																																											
DAKAR/YOFF	3	1,008		23.6	36.3					1,528	0	24.0		7	82	54	6	3,186	0	10.7		7	70	101	6	5,894	0	-6.4		7	33	88	2	9,709	0	-31.5		7	73	286	7
		12,448	2	-53.3		9	89	243	11	14,242	4	-77.4		9	83	220	11	16,604	10	-79.1		9	41	226	3																
MALI																																											
BAMAKO/SENOU	2	967		29.9	9.5					1,517	0	23.2	12.6	6	48	80	2	3,138	0	11.5	10.6					5,891	0	-5.9	10.8					9,725	0	-30.2	12.4				
		12,478	2	-52.4						14,277	2	-65.9						16,643	2	-78.4						20,675	9	-61.4													
NIGER																																											
NIAMEY-AERO	3	983		34.2	17.2					1,520	0	24.6	13.4	1	42	40	4	3,185	1	12.6	14.5	1	48	90	20	5,910	0	-6.2	10.0	1	43	100	18	9,725	1	-30.7	12.3	2	13	110	4
		12,475	8	-52.5		8	34	280	2	14,280	8	-67.0		9	91	140	6	16,635	8	-79.8		9	37	120	11																
KENYA																																											
NAIROBI/DAGORETTI	1	821		15.2	1.5													3,136	17	7.8	2.7	9	88	260	4	5,849	17	-5.5	15.7	9	91	85	7	9,661	17	-32.1	19.0	9	12	25	1
		12,395	17	-53.5		9	52	270	4	14,185	17	-67.7		9	19	260	1	16,535	18	-81.5		9	74	100	6	20,559	18	-64.9		9	44	150	2	23,680	20	-58.5		9	99	90	37
ETHIOPIA																																											
ASMARA	2	772		24.9	19.6													3,172	13	14.9	9.5	13	17	50	3	5,903	13	-6.8	7.1	13	50	290	3	9,697	13	-32.9	7.4	14	83	260	6
		12,426	14	-53.9	6.8	15	83	255	9	14,230	15	-66.0		15	84	280	10	16,611	15	-79.0		17	28	320	9	20,722	23	-64.2		22	32	295	11	23,860	25	-54.2		25	32	45	16
ADDIS ABABA	2	767		23.8	11.5													3,167	10	13.1	6.8					5,898	10	-5.2	8.0					9,731	10	-30.7	14.4				
		12,478	10	-53.1	15.7					14,280	11	-66.3						16,659	13	-78.3						20,737	16	-64.3						23,927	18	-55.3					
MADAGASCAR																																											
ANTANANARIVO/IVATO		878		2.7	6.0					1,543	0	15.4	4.7	0	82	100	8	3,159	0	6.2	12.0	0	20	80	2	5,847	0	-7.9	23.7	0	71	300	15	9,631	0	-32.4	23.7	0	91	290	42
		12,374	1	-51.8		2	89	290	47	14,184	2	-64.7		4	89	290	42	16,575	2	-76.6		6	81	290	20																
SEYCHELLES																																											
SEYCHELLES INTERNATIONAL AP	2	1,010		27.9	4.9					1,500	0	17.6	6.0	0	64	149	4	3,139	0	10.4	12.9	0	16	311	1	5,858	0	-5.2	14.9	0	65	105	4	9,677	1	-31.2	13.7	2	61	57	5
		12,414	1	-53.5		6	62	37	7	14,205	1	-67.0		12	82	55	13	16,572	3	-78.9		17	67	90	4	20,597	8	-68.5		28	88	97	7	23,757	11	-54.9		29	99	87	30
MOZAMBIQUE																																											
NAMPULA	3	965		23.6	4.8					1,540	14	15.9	4.6	9	41	147	3	3,164	14	7.0	9.2	9	12	135	1	5,861	14	-7.2	17.1	9	54	279	6	9,662	15	-31.6	23.5	9	84	272	13
		12,414	16	-51.6		9	84	264	15	14,222	17	-65.3		9	73	261	13	16,607	19	-77.5		9	64	266	7																
MAPUTO/MAVALANE	2	1,011		28.2	15.8					1,537	8	15.9	12.3	8	61	292	4	3,156	8	5.8	9.0	8	65	279	5	5,826	8	-10.7	22.3	8	64	265	6	9,549	9	-37.8	16.1	9	76	295	17
		12,242	9	-53.8		9	95	263	31	14,052	9	-62.6		9	97	267	34	16,497	10	-70.9		9	96	273	25	20,666	11	-60.9		9	55	79	3	23,902	13	-53.4		9	91	71	7
OCEAN ISLANDS																																											
ILE NOUVELLE-AMSTERDAM	2	1,013		14.0	4.1					1,503	2	5.2	6.4	2	78	273	10	3,072	2	-1.0	14.5	3	80	275	12	5,676	2	-16.9	11.9	5	86	267	16	9,308	2	-43.1	9.2	9	84	274	17
		11,940	2	-57.3						13,756	2	-57.4						16,303	3	-59.2						20,675	16	-54.5						23,970	19	-50.7					
PORT-AUX-FRANCAIS/KERGUELEN	2	998		5.6	6.1					1,324	0	-0.6	7.0	9	0	268	16	2,854	0	-8.0	10.5	0	87	265	20	5,390	0	-24.1	8.9	0	8	268	24	8,930	0	-47.6		0	83	263	31
		11,538	0	-56.4		0	88	263	32	13,371	0	-54.5		1	93	263	29	15,968	2	-55.1		6	97	262	25	20,409	4	-53.6		9	96	263	22	23,704	7	-51.2					
SOUTH AFRICA																																											
J. G. STRIJDOM	1	833		11.0	8.2					1,543	31			9	85	264	1	3,161	7	7.0	17.0	1	39	352	3	5,842	1	-9.1	28.4	1	44	299	4	9,587	1	-35.1	22.9	1	89	277	19
		12,303	1	-52.5		1	96	282	34	14,115	1	-63.5		1	97	285	35	16,549	2	-72.7		2	93	290	20	20,681	8	-62.5		9	47	49	3								
UPINGTON	1	923		12.0	7.2					1,534	0	13.3	16.5	0	63	334	5	3,141	0	4.8	24.9	0	77	282	9	5,802	0	-11.4	25.9	0	80	274	13	9,503	0	-39.7	18.2	0	84	268	26
		12,166	0	-55.7		0	90	264	31	13,970	0	-61.8		0	94	272	35	16,438	0	-67.6		0	91	276	22	20,660	5	-60.1		9	63	279	5								
PRETORIA/IRENE	1	853		8.9	6.6					1,550	7			0	75	145	2	3,161	0	5.1	15.6	0	64	287	5	5,825	0	-10.9	21.4	0	74	264	9	9,539	0	-38.5	13.9	0	79	267	17
		12,224	0	-53.8		0	95	268	32	14,031	0	-62.7		2	96	271	31	16,477	2	-71.1		3	93	280	16	20,641	6	-61.2		8	41	330	2								
BLOEMFONTEIN/J.B.M. HERTZOG	1	870		5.8	3.2					1,542	1	9.0	9.6	1	19	292	1	3,141	1	3.8	22.6	1	82	283	8	5,792	1	-12.4	22.9	1	80	271	15	9,482	1	-40.4	15.2	1	81	265	22
		12,136	1	-56.3		1	93	268	37	13,939	1	-62.0		2	96	270	37	16,415	3	-66.7		5	95	271	22																
ALEXANDER BAY	1	1,015		14.2	4.1					1,523	2	13.5	22.6	2	39	319	2	3,134	2	5.5	31.5	2	75	281	7	5,796	2	-11.8	29.6	2	76	276	13	9,509	2	-38.0	23.3	2	86	266	23
		12,187	2	-55.3		2	92	266	32	13,995	2	-61.3		2	94	270	33	16,470	2	-66.9		5	95	274	28	20,709	8	-59.6		9	31	322	2								
CAPE TOWN /D.F. MALAN/	1	1,012		12.3	1.9					1,500	1	8.5	10.8	1	77	301	8	3,084	1	1.1	21.9	1	88	280	14	5,706	1	-15.5	17.9	1	92	276	26	9,355	1	-42.1	17.3	1	87	270	34
		11,995	1	-57.2		1	90	269	43	13,802	1	-59.1		1	93	272	43	16,324	1	-61.5		1	91	273	29																
PORT ELIZABETH	1	1,009		14.2	4.1					1,511	0	10.6	13.2	0	81	280	9	3,101	0	1.1	20.9	0	89	278	13	5,724	0	-15.1	25.5	0	90	270	16	9,376	0	-42.6	17.2	0	87	270	24
		12,006	0	-57.8		2	90	270	26	13,813	3	-60.2		9	92	264	25																								
DURBAN/LOUIS BOTHA/	1	1,016		16.7	2.6					1,536	4	13.9	15.9	4	36	259	2	3,142	4	3.9	24.8	4	72	260	6	5,792	4	-12.6	27.7	4	72	260	12	9,478	4	-40.6	24.2	4	74	263	20
		12,132	4	-56.1		4	87	266	31	13,939	4	-61.1		4	93	270	34	16,426	5	-65.9		7	94	270	23																
GOUGH ISLAND	1	1,005		19.6	2.6					1,427	0	3.2	11.2	0	81	258	16	2,978	0	-4.4	16.6	0	90	260	18	5,554	0	-19.6	17.5	0	88	260	28	9,148	0	-44.8	19.1	0	88	257	39
		11,777	0	-56.7		0	88	253	37	13,592	1	-57.9		1	93	254	36	16,140	1	-58.5		2	95	258	38	20,516	8	-54.7		8	95	261	29								
MARION ISLAND	1	1,002		5.9	2.0					1,362	1	-0.3	7.4	1	85	291	15	2,893	1	-7.6	19.4	1	85	283	17	5,431	1	-33.5	19.3	1	85	280	23	8,979	1	-47.7	17.1	1	77	285	31
		11,590	1	-55.6		1	80	284	29	13,429	1	-54.1		1	85	284	28	16,032	1	-53.6		3	85	281	23																
ASIA																																											
USSR-WESTERN																																											
DRUJNAYA/OSTROV HEJSA/		1,012		-8.5	1.9					1,367	0	-11.9	3.2	0	37	284	3	2,841	0	-17.5	4.5	0	55	295	3	5,292	0	-32.0	4.4	0	55	300	4	8,750	0	-48.3	4.0	0	68	306	11
		11,435	0	-44.8	5.6	0	86	310	9	13,363	0	-44.3	6.9	0	79	312	8	16,074	0	-45.0	8.2	0	96	320	7	20,712	0	-43.8	9.8	0	63	345	3	24,163	1	-40.5	11.7	1	54	26	2
MYS CELJUSKIN		1,011		-11.5	1.7					1,340	0	-12.7	4.6	0	31	354	3	2,807	0	-18.1	5.2	0	49	335	5	5,251	0	-32.1	5.3	0	55	319	7	8,694	0	-49.1	5.9	0	62	309	9
		11,385	0	-44.2	10.3	0	73	317	6	13,313	0	-44.5	12.1	0	73	324	5	16,020	0	-45.2	13.7	0	60	350	3	20,640	0	-45.0	15.4	0	88	32	3	24,048	1	-44.2	17.0	2	77	59	3
OSTROV DIKSON		1,011		-8.7	2.5					1,382	0	-10.4	5.5	0	48	344	4	2,862	0	-15.6	9.5	0	42	316	4	5,334	0	-29.5	8.0	0	48	302	7	8,798	0	-50.5	6.2	0	54	313	10
		11,465	0	-45.7	10.0	0	67	323	8	13,380	0	-45.7	12.2	0	73	332	7	16,070	0	-46.6	13.6	0	79	348	6	20,676	1	-45.9	15.3	1	78	21	4	24,077	1	-44.6	17.6	1	86	50	4
MYS KAMENNYJ		1,015		-6.5	1.9					1,394	0	-6.8	5.4	4	40	30	3	2,893	0	-13.2	6.0	4	42	347	4	5,386	0	-28.2	6.6	7	58	344	8	8,873	0	-50.2	5.4	8	63	341	10
		11,523	0	-47.8	6.1	9	73	337	8	13,424	0	-47.3	7.0	8	90	342	9	16,098	0	-49.0	7.8	9	81	349	8	20,650	1	-47.6	8.9	9	84	4	6	24,024	4	-45.4	9.9	9	80	48	6
NAR JAN-MAR		1,016		1.7	3.9					1,434	0	-1.5	6.4	0	66	301	7	2,963	0	-8.2	9.7	0	72	303	11	5,504	0	-23.4	9.1	0	78	305	15	9,043	0	-48.7	6.2	0	72	308	20
		11,671	0	-50.7	6.8	0	78	313	14	13,550	0	-49.3	7.7	0	76	317	11	16,202	0	-50.6	8.4	0	76	326	8	20,732	0	-49.6	9.9	0	78	8	4	24,093	0	-48.0	11.0	0	83	53	4

UPPER AIR DATA

MAY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
ASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
USSR-WESTERN																																									
SALEHARD		1,015		-1.7	3.7					1,419	0	-5.1	4.6	0	54	303	5	2,929	0	-10.3	6.6	0	66	315	8	5,447	0	-25.4	7.0	0	66	320	13	8,967	0	-49.3	5.4	0	67	325	18
		1,617	0	-48.0	7.9	0	79	324	14	13,509	0	-48.1	9.6	0	82	328	11	16,175	0	-49.4	10.7	0	85	339	8	20,721	0	-48.7	12.2	1	83	7	5	24,086	2	-47.5	13.5	3	92	50	5
HATANGA		1,009		-9.8	2.2					1,351	0	-7.8	5.4	1	57	279	4	2,844	0	-14.6	6.3	1	59	275	6	5,320	0	-29.8	5.7	2	59	272	7	8,782	0	-52.0	3.9	2	58	277	7
		1,448	0	-46.7	5.3	2	61	278	4	13,345	0	-46.0	6.8	2	51	297	3	16,040	0	-46.6	8.2	2	56	317	3	20,636	3	-45.9	10.3	3	72	41	3	24,044	4	-44.7	11.5	4	96	65	5
TURUHANSK		1,006		0.7	6.0					1,376	9	-6.1	4.8	9	42	249	3	2,875	9	-13.6	6.4	9	37	270	4	5,356	9	-29.5	5.8	9	30	283	5	8,831	9	-49.6	5.2	9	43	294	7
		1,483	9	-48.0	8.3	9	71	297	8	13,380	9	-47.7	10.3	9	82	298	7	16,052	10	-48.7	11.8	9	68	309	5	20,601	10	-49.1	14.3	9	66	343	3	23,960	10	-47.2	16.2	9	78	33	3
SYKTYVKAR		1,004		12.0	10.1					1,499	0	4.5	8.2	0	48	296	4	3,055	0	-4.9	8.8	0	66	305	7	5,621	0	-20.6	9.2	0	60	302	10	9,194	0	-48.1	6.3	0	60	304	13
		1,803	0	-54.6	6.3	0	70	306	12	13,658	0	-51.9	7.9	0	67	312	9	16,282	0	-53.1	9.1	0	66	325	6	20,755	0	-51.8	10.3	0	51	4	3	24,083	0	-49.7	11.2	0	70	52	4
HANTY-MANSIJSK		1,012		4.5	6.1					1,453	13	-1.3	6.1	9	72	328	7	2,977	13	-8.7	6.6	9	84	325	11	5,508	13	-23.8	7.7	9	88	323	17	9,051	13	-49.1	5.3	9	88	325	24
		1,688	13	-50.4	7.1	9	92	322	18	13,565	13	-49.6	8.7	9	89	322	13	16,210	13	-50.9	10.2	9	91	326	9	20,734	15	-49.5	11.3	9	73	5	4	24,086	15	-48.1	12.8	9	85	41	5
TURA		988		5.2	7.7					1,399	0	-2.6	4.9	0	12	177	1	2,912	0	-13.0	4.1	0	36	227	3	5,403	0	-28.5	6.0	0	36	230	4	8,881	0	-51.1	3.9	0	41	237	6
		1,532	0	-48.2	6.3	0	58	248	5	13,426	1	-48.6	7.8	1	60	265	4	16,088	1	-49.8	8.9	1	66	263	3	20,627	1	-50.0	10.2	1	35	10	1	23,987	2	-48.2	11.4	2	63	72	2
SVERDLOVSK		982		10.3	8.1					1,470	0	3.6	6.8	0	54	323	5	3,018	0	-5.9	5.6	0	68	315	8	5,572	0	-22.2	8.8	0	68	317	11	9,115	0	-49.2	6.0	0	68	309	14
		1,712	0	-55.3	6.6	0	79	315	12	13,554	0	-53.2	7.9	0	84	314	9	16,157	0	-54.5	8.9	0	88	318	7	20,604	0	-53.2	10.2	0	40	339	2	23,900	1	-51.3	11.1	1	58	43	3
OMSK		1,003		10.5	9.7					1,454	0	2.5	7.7	0	61	314	6	2,999	0	-6.4	8.4	0	67	303	9	5,553	0	-22.1	9.1	0	68	303	13	9,106	0	-48.4	6.4	0	68	300	18
		1,719	0	-53.5	7.3	0	79	299	15	13,571	0	-51.6	8.7	0	84	295	12	16,191	0	-52.7	9.9	0	84	297	9	20,662	0	-52.6	11.2	0	75	325	4								
KOLPASEV		1,008		6.9	8.2					1,463	17	-0.9	6.3	9	56	270	5	2,985	17	-10.0	7.4	9	64	266	7	5,508	17	-25.6	7.4	9	56	268	10	9,017	17	-50.5	5.6	9	52	271	12
		1,634	17	-52.7	7.3	9	65	269	11	13,501	17	-51.1	8.7	9	72	277	9	16,138	17	-51.7	9.6	9	70	279	7	20,621	17	-52.2	11.5	9	82	287	4	23,920	17	-52.0	12.2	9	82	8	3
KRASNOJARSK		984		7.4	6.3					1,407	10	1.1	5.3	9	81	250	8	2,940	10	-8.9	4.6	9	89	257	12	5,469	10	-24.6	6.9	9	88	259	17	9,004	10	-49.2	5.9	9	90	270	24
		1,647	10	-49.8	8.0	9	93	270	18	13,530	10	-49.3	9.2	9	91	272	13	16,188	10	-50.5	10.3	9	98	275	10	20,689	11	-51.4	11.3	9	79	281	3	24,010	11	-49.3	12.0	9	52	33	2
KIRENSK		979		8.0	6.9					1,412	3	1.7	7.6	4	40	285	3	2,943	3	-8.2	5.0	4	49	279	5	5,477	3	-24.2	7.1	3	67	266	10	8,998	3	-51.2	5.4	3	67	252	16
		1,607	3	-51.8	7.4	3	80	258	13	13,482	3	-50.9	9.4	3	85	267	9	16,132	4	-51.4	11.0	4	84	270	6	20,645	5	-50.6	13.0	5	55	273	2	23,998	5	-47.9	14.1	5	30	94	1
ORENBURG		1,003		17.1	15.7					1,510	0	8.9	13.0	0	53	337	4	3,074	0	-2.7	10.0	0	59	328	5	5,654	0	-20.4	11.4	0	64	323	7	9,229	0	-48.1	8.4	0	63	323	8
		1,830	1	-58.3	7.8	1	60	314	6	13,660	0	-55.0	8.8	1	75	302	6	16,259	0	-55.8	10.0	0	77	295	5	20,676	0	-54.3	11.0	0	54	313	3	23,966	0	-52.1	12.0	0	60	12	3
KUSTANAJ		995		13.9	11.9					1,487	0	6.8	10.0	0	53	324	4	3,049	0	-4.1	6.2	0	73	313	7	5,623	0	-19.4	9.5	0	67	307	8	9,217	0	-46.1	7.3	0	54	304	9
		1,826	0	-57.4	6.8	0	67	307	10	13,656	0	-53.5	7.8	0	75	303	9	16,258	0	-54.6	9.0	0	81	297	7	20,687	0	-54.2	10.6	0	58	311	3	23,976	0	-52.4	11.2	0	70	35	3
KARAGANDA		950		11.9	9.8					1,475	1	8.2	9.6	1	47	302	4	3,043	1	-3.1	6.9	1	59	295	7	5,622	1	-19.3	9.0	1	59	283	9	9,227	1	-45.8	7.1	1	53	281	12
		1,848	1	-55.9	6.7	1	69	278	15	13,692	1	-53.0	7.9	1	89	274	15	16,302	1	-54.3	9.1	1	89	274	12	20,732	2	-54.9	10.1	2	84	299	5	24,026	3	-52.1	11.2	4	75	21	3
GUREV		1,018		20.6	17.4					1,506	0	11.2	13.9	0	33	76	2	3,087	0	-0.2	10.8	0	44	60	3	5,689	0	-17.4	11.3	0	28	31	2	9,311	0	-44.4	8.4	0	22	336	2
		1,923	1	-57.9	6.9	1	40	296	4	13,741	1	-54.7	8.0	1	67	281	5	16,318	1	-55.4	9.0	2	84	271	6	20,733	6	-55.2	9.7	8	60	295	2	23,995	10	-53.2	11.0	9	60	22	2
ASHABAD		977		21.5	11.8					1,492	0	13.4	12.7	1	16	81	1	3,097	0	2.5	8.1	0	40	216	3	5,722	0	-15.6	8.0	0	85	238	12	9,375	0	-43.1	7.4	0	85	246	20
		2,029	0	-55.4	7.5	0	91	247	29	13,860	0	-56.3	7.9	0	90	247	23	16,426	1	-60.4	8.4	1	92	247	16	20,718	1	-59.9	9.4	1	37	220	2	23,954	7	-53.7	11.0	9	19	317	1
TASKENT		956		20.2	12.5					1,491	0	14.5	13.7	0	46	256	2	3,094	0	2.2	9.7	0	81	242	6	5,713	0	-16.4	10.6	0	88	247	14	9,346	0	-44.0	7.5	0	88	253	23
		1,977	0	-55.7	7.1	0	94	256	29	13,812	0	-55.5	7.8	0	96	259	26	16,377	0	-59.9	8.2	0	96	260	18	20,695	0	-58.9	9.2	0	56	285	3	23,931	0	-53.3	10.4	0	34	20	1
ALMA-ATA		919		15.9	10.1					1,494	0	13.2	11.5	0		288	**	3,095	0	1.9	7.9	0	61	249	4	5,716	0	-16.8	6.6	0	90	265	14	9,351	0	-43.6	5.8	3	94	262	26
		1,979	0	-55.6	5.1	9	96	275	23	13,826	3	-54.1	5.5					16,418	9	-56.9						20,806	8	-55.8	6.3					24,106	0	-50.0	7.6				
USSR-EASTERN																																									
OSTROV KOTELNYJ		1,009		-11.4	1.8					1,331	0	-13.1	2.8	0	24	257	2	2,797	0	-18.5	4.4	0	43	257	4	5,235	0	-32.9	5.5	0	55	261	7	8,684	0	-47.7	6.3	0	62	268	9
		1,385	0	-43.9	9.6	0	62	273	6	13,312	0	-44.6	10.8	0	60	280	4	16,019	0	-45.7	11.9	0	42	289	2	20,641	0	-44.9	13.2	0	34	74	1	24,058	0	-44.0	14.3	0	85	82	3
OSTROV ČETYREHSTOLBOVOJ		1,008		-8.1	2.1					1,370	0	-7.9	6.9	0	48	268	4	2,862	0	-14.9	7.9	0	67	273	7	5,328	0	-30.2	7.6	0	73	285	10	8,790	0	-50.8	6.0	0	72	289	13
		1,446	0	-47.4	8.9	0	73	283	9	13,350	0	-47.0	10.5	0	72	281	6	16,029	0	-47.3	12.0	0	59	276	3	20,623	0	-46.4	13.8	0	37	129	1	24,016	2	-45.3	14.9	2	86	108	3
MYS SMIDTA		1,014		-8.5	2.5					1,375	0	-9.1	5.7	0	54	292	4	2,859	0	-15.8	6.1	0	55	286	5	5,315	0	-31.3	6.1	0	62	295	8	8,765	0	-49.9	5.4	0	49	291	8
		1,421	0	-46.8	7.8	0	61	276	5	13,327	0	-46.8	9.1	0	74	270	4	16,015	0	-47.3	10.4	0	64	257	2	20,592	0	-47.0	12.0	0	81	147	2	23,972	1	-46.5	13.5	1	86	109	3
ANADYR		1,012		1.3	3.0					1,387	11	-4.0	5.2	9	11	270	1	2,895	11	-11.7	6.7	9	22	263	2	5,395	11	-27.6	6.0	9	51	272	7	8,888	11	-51.2	4.7	9	63	277	13
		1,508	12	-50.5	6.7	9	56	276	6	13,383	12	-49.2	8.4	9	42	276	3	16,035	12	-49.0	9.7	9	25	270	1	20,597	13	-47.6	10.7	9	92	121	3	23,970	15	-47.0	12.2	9	75	119	3
KORF		1,014		4.3	3.5					1,421	0	-4.1	2.9	0	24	286	2	2,941	0	-10.2	4.9	0	31	289	3	5,458	0	-26.2	5.6	0	43	298	5	8,963	0	-51.2	4.3	0	37	296	7
		1,558	0	-52.8	4.5	0	54	306	7	13,422	0	-51.1	5.4	0	59	302	5	16,065	0	-50.2	6.1	0	49	316	3	20,606	0	-49.0	7.3	0	46	51	2	23,988	0	-47.3	8.3	2	46	104	2
PETROPAVLOVSK/KAMCATSKIJ		1,004		5.9	5.2					1,429	0	-0.2	6.1	0	30	341	2	2,957	0	-8.8	5.7	0	18	13	2	5,490	0	-24.2	6.3	0	30	336	3	9,022	0	-50.0	4.7	0	30	319	5
		1,627	0	-54.6	5.3	0	59	295	7	13,472	0	-52.7	6.7	0	73	295	6	16,086	0	-53.6	8.5	0	78	296	4	20,552	0	-51.5	9.5	0	28	286	1	23,882	0	-49.5	10.9	0	59	123	2
OHOTSK		1,015		1.2	1.8					1,431	11	-1.2	6.4	9	15	213	1	2,960	11	-9.1	6.2	9	27	324	2	5,480	11	-25.7	6.3	9	35	308	4	8,978	11	-53.4	4.7	9	50	297	9
		1,562	11	-54.9	5.9	9	74	293	7	13,411	11	-52.9	7.5	9	76	289	5	16,031	11	-52.9	9.1	9	64	285	3	20,512	11	-51.1	11.0	9	26	92	1	23,845	11	-49.2	12.9	9	70	105	3
JUZNO-SAHALINSK		1,013		6.5	3.2					1,450	0	4.6	7.5	0	11	262	1	3,005	0	-4.4	7.3	0	36	296	3	5,569	0	-21.4	10.2	0	48	302	5	9,126	0	-49.0	7.0	0	36	292	5
		1,727	0	-55.9	7.0	0	78	278	11	13,569	0	-53.5	8.3	0	84	278	10	16,170	0	-54.7	9.2	0	88	278	8	20,602	0	-53.2	10.5	0	91	280	4	23,913	1	-50.2	11.6	1	31	270	1
VLADIVOSTOK		1,003		10.5	4.7					1,453	1	8.3	7.8	2	49	227	4	3,023	1	-2.3	6.3	1	51	299	4	5,606	1	-20.0	9.0	1	60	292	6	9,208	1	-45.8	6.1	1	72	277	15
		1,840	2	-54.8	6.5	2	89	275	22	13,688	2	-53.5	7.5	2	95	276	19	16,276	2	-56.6	8.1	2	92	276	14	20,676	2	-55.3	9.1	2	95	284	5	23,972	3	-51.0	10.6	4	54	285	2
OLENEK		985		2.3	8.4					1,372	0	-5.2	6.3	1	59	265	4	2,870	0	-13.5	7.1	0	60	271	5	5,349	0	-28.8	6.1	0	61	270	7	8,812	0	-51.3	5.4	0	73	266	12
		1,456	0	-48.3	7.8	0	90	260	9	13,353	0	-47.5	9.5	0	85	260	6	16,025	0	-48.0	11.2	0	74	272	4	20,588	1	-47.8	12.8	1	32	38	1	23,968	3	-44.4	13.9	3	76	77	3
VERHOJANSK		994		6.1	10.8					1,399	0	-1.9	7.7	1	66	263	4	2,916	0	-11.2	5.6	0	80	267	8	5,423	0	-26.4	5.9	0	85	265	14	8,933	0	-50.0	4.8	0	81	265	22
		1,559	0	-50.3	5.2	0	87	269	14	13,448	0	-48.1	6.3	0	88	269	9	16,122	0	-48.4	7.5	0	78	281	5	20,699	0	-46.9	9.2	0	31	15	1	24,087	1	-45.9	11.0	2	73	89	3
SEJMCAN		986		8.4	9.5					1,412	0	0.2	6.4	0	37	260	2	2,939	0	-9.2	5.9	0	66	299	4	5,466	0	-25.2	8.5	0	67	304	8	8,970	0	-52.5	5.9	0	61	307	11
		1,558	0	-53.4	7.0	0	79	295	9	13,416	0	-51.8	8.9	0	84	292	7	16,045	0	-51.3	10.7	0	72	290	4	20,569	0	-49.1	13.0	0	25	80	1	23,926	0	-48.0	14.8	1	72	103	3
JAKUTSK		999		8.4	11.2					1,412	10	0.4	10.1	9	32	265	2	2,932	10	-10.4	6.5	9	58	248	5	5,443	10	-26.0	6.9	9	71	258	9	8,931	10	-53.3	4.6	9	57	261	12
		1,506	10	-53.8	5.8	9	82	264	9	13,349	10	-52.2	7.7	9	90	268	7	15,961	10	-52.1	9.5	9	77	269	4	20,450	10	-51.2	11.6	9	28	29	1	23,775	11	-49.4		9	79	97	3
ALDAN		930		8.4	8.3					1,417	0	4.1	8.0	0	39	235	3	2,967	0	-5.5	5.6	0	54	224	5	5,524	0	-32.3	7.2	0	54	234	7	9,061	0	-50.1	5.6	0	48	248	8
		1,649	0	-55.1	6.1	0	66	262	7	13,498	0	-52.4	7.8	0	82	263	6	16,119	0	-52.4	9.0	0	92	270	5	20,601	0	-51.8	10.7	1	37	344	1	23,930	1	-49.3	11.8	1	62	76	2
CITA		931		9.8	10.1					1,418	7	6.4	10.8	7	28	331	2	2,982	7	-4.3	9.2	7	51	303	5	5,546	7	-21.5	9.2	7	50	306	6	9,110	7	-48.3	6.5	7	48	294	9
		1,730	7	-53.5	7.4	7	72	295	11	13,589	7	-51.3	8.9	7	81	291	9	16,216	7	-52.7	10.1	7	86	290	7	20,675	7	-53.5	11.2	7	45	312	2	23,977	7	-50.8	12.3	7	62	59	2

UPPER AIR DATA

MAY 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																																									
BLAGOVESCENSK		993		15.4	9.0					1,440	0	8.3	9.2	0	34	207	3	3,011	0	-3.6	6.6	0	17	218	2	5,579	0	-21.7	7.8	0	28	220	3	9,127	0	-49.0	6.0	0	33	229	4
		11,722	1	-55.0	6.4	1	63	270	6	13,570	1	-53.0	8.1	1	81	279	7	16,171	2	-54.2	9.7	2	94	286	7	20,616	3	-53.5	11.3	3	73	302	3	23,913	4	-51.2		5	29	58	1
HABAROVSK		1,003		14.9	6.2					1,451	3	7.4	8.9	4	14	252	1	3,017	3	-3.9	6.9	3	9	293	1	5,583	3	-21.3	10.3	3	23	278	2	9,151	8	-48.6	6.8	8	28	220	4
		11,729	14	-53.4	7.0	9	67	287	7	13,580	15	-52.7	9.0	9	94	295	9	16,202	17	-53.9	10.9	9	92	293	8																
HONG KONG																																									
KINGS PARK	1	1,002		23.3	2.2					1,488	0	16.7	2.8	0	64	215	4	3,124	0	9.5	7.5	0	90	250	8	5,842	0	-5.1	8.7	1	96	260	10	9,677	0	-29.4	10.7	0	94	265	14
		12,440	0	-51.6	9.3	0	91	271	17	14,244	1	-65.9	9.4	0	88	279	15	16,621	1	-78.2	10.1	0	63	304	5	20,683	5	-62.0	12.6	2	92	83	7	23,925	10	-52.3	20.1	5	99	88	12
JAPAN																																									
WAKKANAI	2	1,013		7.3	2.2					1,456	0	5.2	10.0	1	30	259	2	3,015	0	-4.0	11.6	0	19	340	2	5,586	0	-21.0	13.6	0	34	318	3	9,145	0	-48.3		0	55	293	9
		11,749	0	-55.6		0	89	276	14	13,589	0	-54.0		0	96	277	14	16,181	0	-55.7		0	97	277	11	20,603	2	-53.7		4	83	287	4	23,921	6	-50.2					
SAPPORO	2	1,013		10.4	4.3					1,462	0	5.2	8.3	1	31	195	2	3,023	0	-3.7	10.8	0	20	318	2	5,597	0	-20.6	14.2	0	44	285	4	9,177	0	-46.1		0	73	275	17
		11,794	0	-55.8		1	93	273	20	13,633	0	-54.9		1	97	272	18	16,210	0	-57.0		1	99	274	14	20,602	0	-54.8		0	94	275	4	23,902	4	-50.8		7	53	303	2
NEMURO	2	1,013		4.5	1.3					1,457	1	3.8	9.8	1	31	315	2	3,012	0	-4.2	12.5	0	21	310	2	5,584	0	-20.8	14.4	1	57	297	6	9,161	0	-45.9		1	88	280	20
		11,783	0	-55.3		1	93	275	22	13,625	0	-54.1		0	97	273	20	16,210	0	-56.7		0	98	274	14	20,610	1	-54.3		1	91	277	5	23,917	6	-50.5		7	34	279	1
AKITA	2	1,013		13.1	3.8					1,467	0	6.7	8.0	0	39	217	3	3,035	0	-2.2	12.9	0	35	270	4	5,630	0	-17.8	14.5	0	62	270	10	9,262	0	-43.1		0	82	264	26
		11,900	0	-55.2		0	95	268	33	13,729	0	-56.5		0	97	271	29	16,284	0	-59.1		0	98	274	19	20,633	2	-56.1		2	92	269	5	23,918	2	-51.6		5	43	300	1
SENDAI	2	1,010		11.7	2.7					1,472	0	6.6	7.5	0	33	251	2	3,042	0	-1.6	13.7	0	49	275	6	5,647	0	-16.5	14.3	0	70	269	12	9,302	0	-41.6		0	90	265	28
		11,952	0	-55.2		0	96	267	38	13,775	0	-57.7		0	98	269	32	16,313	0	-61.1		0	98	273	20	20,639	1	-56.8		1	90	270	4	23,920	2	-51.7		3	24	328	1
WAJIMA	2	1,013		13.3	2.8					1,469	0	8.4	12.0	0	45	249	3	3,046	0	-0.8	15.1	0	55	266	5	5,654	0	-16.0	13.5	0	79	277	13	9,321	0	-40.5		2	92	266	29
		11,982	0	-55.0		3	95	264	36	13,806	0	-57.9		2	98	267	33	16,341	0	-61.6		2	99	271	21	20,655	3	-56.9		6	97	272	6	23,928	7	-52.1		8	51	280	2
TATENO	2	1,010		14.0	3.1					1,477	0	8.5	7.3	0	7	270	**	3,057	0	-0.1	11.6	0	56	281	5	5,681	0	-14.1	13.4	0	89	267	15	9,371	0	-39.3	10.7	0	95	267	33
		12,037	0	-56.0		0	96	265	42	13,848	0	-59.8		0	98	268	36	16,358	0	-63.6		0	98	271	22	20,641	1	-57.5		2	94	268	5	23,905	5	-52.2		5	34	346	1
HACHIJOJIMA	2	994		16.7	2.2					1,476	0	10.5	7.8	1	24	33	2	3,071	0	3.0	12.3	0	58	262	5	5,729	0	-10.9	14.5	0	94	267	17	9,466	0	-36.3	8.9	0	95	263	31
		12,154	0	-55.7		0	96	265	41	13,951	0	-63.0		0	97	269	37	16,421	0	-66.9		0	98	272	22	20,655	2	-58.7		3	78	268	3	23,910	9	-52.6		9	38	43	2
YONAGO	2	1,012		16.2	4.4					1,479	0	9.7	10.0	0	31	243	2	3,064	0	0.7	14.9	0	62	305	5	5,695	0	-13.3	15.2	0	87	282	14	9,393	0	-39.0	10.9	0	96	270	28
		12,064	0	-54.7		0	95	270	38	13,881	0	-59.5		0	97	271	33	16,389	0	-64.1		0	97	275	21	20,662	0	-57.8		1	87	273	4	23,927	4	-51.8		8	24	349	1
SHIONOMISAKI	2	1,005		18.0	3.2					1,481	0	10.5	9.1	1	15	61	1	3,073	0	2.5	12.6	0	54	277	4	5,725	0	-11.6	11.9	0	95	270	16	9,453	0	-36.7	9.7	0	96	264	32
		12,141	0	-55.2		0	95	266	38	13,949	0	-61.8		0	97	266	36	16,429	0	-66.2		0	97	271	22	20,669	3	-58.3		4	85	267	3	23,932	4	-52.5		6	30	9	1
FUKUOKA	2	1,011		17.9	4.4					1,482	0	10.9	12.0	1	3	180	**	3,076	0	3.1	17.4	0	59	290	4	5,729	0	-11.6	14.6	0	90	280	15	9,453	0	-32.1	8.0	8	9	277	30
		12,136	0	-55.0		0	95	274	41	13,947	0	-60.6		0	95	273	36	16,433	0	-66.0		0	96	274	23	20,676	1	-58.6		2	80	277	3	23,936	2	-52.2		4	35	21	1
KAGOSHIMA	2	979		17.5	4.3					1,482	0	12.0	7.8	0	18	207	1	3,083	0	4.2	13.9	0	66	287	5	5,753	0	-9.6	17.0	0	92	277	15	9,507	0	-35.5	11.0	0	95	271	32
		12,206	0	-54.8		0	94	274	38	14,009	0	-62.4		0	95	274	35	16,469	0	-68.5		0	97	273	22	20,679	4	-59.3		4	75	272	3	23,940	6	-52.1		6	48	49	2
NAZE	2	977		19.2	1.6					1,484	0	13.7	7.3	0	24	249	2	3,101	0	6.9	12.3	0	72	273	7	5,798	0	-7.1	16.4	0	94	270	15	9,589	0	-33.2	13.0	0	93	270	24
		12,310	0	-53.9		0	94	274	32	14,105	0	-65.2		0	94	275	30	16,525	0	-72.2		0	94	277	18	20,677	3	-60.4		6	24	56	1	23,929	11	-52.1					
ISHIGAKIJIMA	2	1,010		24.2	2.9					1,494	0	16.7	5.2	0	39	204	3	3,129	0	9.4	8.2	0	80	259	6	5,844	0	-5.6	11.1	0	92	259	11	9,666	0	-30.6	11.4	0	95	266	16
		12,411	0	-53.1		0	94	274	21	14,205	0	-66.4		0	91	283	21	16,594	0	-75.8		0	84	286	10	20,689	6	-61.4		6	91	83	4	23,925	8	-52.9					
NAHA	2	1,008		23.2	3.1					1,493	0	15.5	6.6	0	35	266	3	3,121	0	8.7	11.3	0	89	264	9	5,830	0	-6.2	12.0	0	94	267	12	9,641	0	-31.6	12.1	0	92	271	19
		12,378	0	-53.3		0	92	272	25	14,174	0	-65.8		0	93	281	25	16,575	0	-74.2		1	91	281	14																
MINAMIDAITOJIMA	2	1,010		22.3	2.3					1,497	0	15.4	8.2	0	56	253	5	3,124	0	8.2	10.4	0	90	260	10	5,829	0	-6.3	13.6	0	94	264	13	9,634	0	-31.8	10.8	0	95	267	20
		12,366	0	-53.8		0	93	272	24	14,157	0	-66.6		0	94	280	24	16,549	0	-74.9		0	91	281	14	20,669	5	-60.9		5	80	88	3	23,915	8	-51.5					
CHICHIJIMA	2	1,124		21.8	2.2					1,504	0	15.2	8.7	0	90	251	8	3,130	0	8.4	15.5	0	95	253	11	5,833	0	-6.4	16.6	0	99	259	16	9,631	0	-32.8	11.9	0	96	265	22
		12,352	0	-54.4		0	95	271	29	14,138	0	-66.8		0	94	275	25	16,540	0	-73.0		0	96	275	16	20,681	0	-61.1		1	66	95	2	23,915	3	-52.8		5	90	74	6
MINAMITORISHIMA	2	1,037		24.4	2.7					1,537	0	17.4	7.7	0	65	236	3	3,172	0	9.1	8.5	0	80	249	5	5,879	0	-6.7	11.1	0	93	264	7	9,682	0	-32.3	13.0	0	86	275	10
		12,406	0	-54.7		0	82	289	13	14,186	0	-67.8		0	84	289	13	16,569	0	-74.9		0	80	288	7	20,685	2	-62.0		2	95	87	6	23,911	3	-52.5		5	98	78	11
SYRIAN ARAB REPUBLIC																																									
DAMASCUS/NEW INTL AP	2	941		28.8	26.1					1,492	0	18.5	19.6	0	78	258	4	3,114	0	5.7	14.6	0	76	293	7	5,770	0	-12.9	19.1	0	89	292	16	9,449	0	-41.2	13.3	0	93	292	25
		12,093	0	-58.0		0	76	298	23	13,896	1	-59.0		1	96	291	29	16,415	5	-63.2		5	88	295	13	20,680	8	-60.1		8	53	308	2	23,945	10	-51.2		10	30	325	1
ALEPPO	2	962		28.6	24.7					1,494	0	16.3	15.6	0	69	275	4	3,103	0	3.3	14.7	0	71	293	6	5,740	0	-14.8	18.3	0	90	297	13	9,394	0	-42.8	12.6	10	96	296	24
		12,028	1	-57.2	12.3	1	93	295	25	13,849	1	-57.3		15	95	292	22	16,395	1	-60.5		15	95	289	12	20,714	3	-57.7		18	73	158	3	23,982	2	-51.6		18	63	150	2
ISRAEL																																									
BET DAGAN		1,008		27.0	12.3					1,509	0	17.8	19.4	0	42	296	2	3,137	0	7.6	1.9	0	73	295	7	5,809	0	-11.8	13.2	0	92	296	15	9,512	0	-39.7	9.8	0	94	294	23
		12,176	0	-56.5		0	95	296	28	13,989	0	-59.3		0	95	293	28	16,509	0	-64.0		0	96	293	20	20,804	11	-58.0													
JORDON																																									
MAFRAQ	3	934		21.5	21.4					1,488	0	18.2	20.2	0	69	282	4	3,111	0	7.1	18.9	0	82	287	8	5,772	0	-11.8	11.8	0	94	287	14	9,458	0	-39.8		0	93	288	22
		12,112	1	-56.7		1	94	288	25	13,917	1	-59.7		1	94	286	25	16,433	5	-62.1		5	93	282	21	20,706	15	-58.8		15	79	269	11								
KUWAIT																																									
KUWAIT INTL AIRPORT	3	1,001		30.5	2.9					1,495	0	21.2	5.3	0	58	299	7	3,133	0	8.5	14.8	0	83	273	19	5,811	0	-11.2		0	89	264	31	9,511	0	-39.9		0	95	260	42
		12,169	0	-56.1		0	93	255	53	13,975	0	-50.7		0	94	251	51	16,447	0	-67.9		0	93	256	27	20,629	0	-61.5		0	60	83	3	23,862	0	-53.2		0	88	89	7
SAUDI ARABIA																																									
EL-WEJH	1	1,004		24.5	9.0					1,494	0	24.2	29.2	0	71	325	4	3,153	0	11.1	25.4	0	63	290	4	5,852	0	-9.0	17.9	0	85	300	10	9,588	0	-38.1	23.0	9	1	300	17
		12,272	0	-54.2	14.1	0	91	300	24	14,082	1	-61.9	15.0	1	92	290	24	16,507	3	-71.9	15.0	3	89	275	14	20,696	6	-59.9	16.8	7	47	70	2								
JEDDAH (KING ABDULAZIZ) AP	1	1,004		25.5	6.6					1,492	3	25.3	23.2	3	24	310	2	3,157	3	12.3	20.2	3	13	250	**	5,865	3	-8.3	28.1	4	53	290	4	9,624	3	-35.1	17.5	4	77	295	13
		12,346	4	-52.2		4	83	280	19	14,158	4	-63.4		4	90	280	17	16,569	4	-75.1		4	90	290	10	20,669	6	-61.4		6	82	75	4	23,929	7	-52.4		7	97	85	11
GIZAN	1	1,005		28.8	6.2					1,492	0	24.7	14.5	0	17	45	**	3,159	0	13.0	13.3	0	60	65	3	5,873	0	-7.7	10.8	0	11	280	**	9,667	0	-32.1	15.7	0	85	250	11
		12,406	0	-52.8		0	84	240	14	14,207	4	-63.1		5	81	240	11	16,596	8	-77.2		8	55	235	3	20,672	11	-61.8						23,903	12	-52.9					
TABOUK	1	925		21.8	25.5					1,501	0	21.2	4.5	0	59	5	3	3,143	0	9.3	21.3	0	74	280	5	5,829	0	-10.2	18.3	0	91	295	12	9,550	0	-38.8	10.8	0	93	300	21
		12,220	0	-56.0	11.3	0	95	295	28	14,026	3	-61.1	14.2	3	93	295	27	16,452	5	-69.0	15.3	5	96	280	17	20,694	5	-60.3	18.0	5	44	40	1	23,946	5	-52.6	24.1	5	82	80	4

UPPER AIR DATA

MAY 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
ASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
SAUDI ARABIA																																											
MEDINA	1	936		30.1	30.4					1,491	0	25.6	29.7	1	54	335	4	3,153	0	12.0	22.3	0	41	265	2	5,855	0	-8.8	18.3	0	80	275	8	9,603	3	-37.2	13.8	4	80	295	14
		12,302	3	-53.5		4	90	280	22	14,116	6	-62.2		6	92	280	22	16,549	6	-72.6		6	96	275	14	20,701	7	-60.7		7	74	90	3	23,953	14	-56.5					
KHAMIS MUSHAIT	1	798		16.5	6.6													3,172	0	12.9	14.6	0	68	50	5	5,881	0	-8.2	12.1	0	20	230	1	9,660	0	-32.7	14.9	0	87	250	13
		12,403	0	-52.7		0	89	245	17	14,205	0	-65.1		0	88	245	13	16,598	1	-76.9		1	72	260	5	20,676	3	-61.4		3	93	85	5	23,911	5	-51.3		6	99	85	12
RIYADH(KING KHALED INT AP)	2	939		36.4	39.5					1,499	0	26.6	35.2	0	23	265	2	3,162	0	12.0	22.0	0	76	260	7	5,862	0	-9.7	21.1	0	82	265	10	9,598	0	-37.3	26.0	0	87	260	17
		12,297	0	-53.7		0	88	250	26	14,107	0	-62.7		1	94	250	25	16,535	1	-73.2		1	86	260	13	20,663	3	-60.5		3	75	110	3	23,979	12	-53.1		9	94	95	9
QAISUMAH	1	967		25.0	24.2					1,490	0	21.7	21.9	0	28	265	2	3,134	0	9.2	18.4	0	63	270	10	5,816	0	-10.9	17.1	0	91	270	16	9,529	0	-39.0	13.0	0	90	270	20
		12,203	0	-55.4		0	94	260	26	14,013	0	-60.5		0	97	255	27	16,428	0	-67.5		0	97	260	17	20,698	2	-59.9		2	33	45	1	23,958	2	-51.8		2	86	85	4
DHAHRAN	1	1,004		25.3	11.6					1,488	0	23.6	22.5	0	55	295	4	3,143	0	10.7	17.2	0	79	275	10	5,836	0	-9.9	14.6	0	89	265	13	9,568	0	-37.2	13.2	0	96	250	21
		12,267	0	-53.4		0	97	245	32	14,080	2	-62.2		3	96	245	30	16,519	2	-72.9		3	96	245	16	20,673	4	-60.4		4	48	75	2	23,932	4	-52.0		4	94	85	6
OMAN																																											
SEEB INTERNATIONAL AP	3	1,002		33.6	16.1					1,485	1	25.7	33.9	1	79	298	6	3,147	1	11.9	24.7	1	73	278	8	5,859	1	-6.8	36.5	1	83	242	5	9,643	1	-34.1	27.7	1	94	229	27
		12,277	1	-53.9		1	94	226	38	14,150	1	-65.9		1	92	221	36	16,533	1	-77.4		1	87	211	19	20,603	3	-62.8		3	75	103	6	23,821	3	-53.7		4	93	92	13
SALALAH	1	1,005		26.9	3.0					1,490	17	23.0	14.1	9	64	177	6	3,145	17	11.1	14.3	9	56	70	4	5,881	17	-5.3	18.1	9	31	244	2	9,682	17	-32.2	11.7	9	88	219	11
		12,415	17	-53.4		9	88	225	12	14,211	18	-66.3		9	84	224	13	16,593	19	-78.3		9	66	220	7	20,641	21	-62.5		9	90	82	5	23,882	24	-53.7		9	98	83	15
UNITED ARAB EMIRATES																																											
ABU DHABI NEW INT AIRPORT	3	1,002		30.2	12.4					1,489	0	25.3	36.4	2	64	301	5	3,150	0	12.5	22.3	2	67	291	6	5,865	0	-7.3	22.2	2	81	262	8	9,640	0	-34.3	17.8	3	96	240	22
		12,360	0	-53.3		3	97	238	30	14,165	0	-64.4		3	96	236	29	16,571	0	-74.8		4	94	233	17	20,667	0	-62.3						23,894	1	-53.4					
AFGHANISTAN																																											
KABUL-AIRPORT	3	817		19.1	15.4													3,104	0	11.7	17.9	0	21	279	1	5,799	0	-10.8	8.7	0	88	251	12	9,512	0	-38.0	9.6	0	97	264	31
		12,197	0	-54.3	8.4	0	99	262	44	14,012	0	-60.4	8.2	0	99	262	43	16,506	0	-66.5	7.9	0	98	255	24	20,703	5	-61.8	8.9	5	29	270	1	23,936	6	-52.0	11.6	6	5	295	1
PAKISTAN																																											
PESHAWAR	1	961		23.9	11.0					1,438	4	25.8	15.0	6	75	330	5	3,090	4	13.4	11.0	6	74	242	6	5,578	3	-11.4	8.0	6	87	241	14	9,551	5	-36.1		5	90	247	27
		12,263	7	-53.9		8	94	245	18	14,238	10	-61.6		9	97	244	25																										
SARGODHA	1	981		25.6	9.0					1,476	3	24.2	10.0	5	42	223	3	3,184	3	10.8	9.0	5	50	263	5	5,870	4	-10.5	9.7	7	88	256	12	9,722	4	-36.1		9	94	262	20
		12,386	13	-46.5																																							
QUETTA/BREWERY	1	837		16.8	5.0													3,103	4	9.8		4	87	291	7	5,781	3	-10.3		4	84	275	11	9,515	4	-37.3		4	85	261	19
		12,210	6	-54.7		9	91	254	26	13,600	14	-84.1																															
MULTAN	1	985		26.9	11.0					1,424	5	23.6		6	78	277	5	3,088	5	16.8		5	81	274	5	5,800	4	-8.2		5	87	267	7	9,550	10	-30.5					
KARACHI AIRPORT	1	999		26.5	10.6					1,348	2	26.6	23.1	2	98	276	5	3,123	2	13.9	19.4	2	96	285	7	5,847	2	-5.5	17.0	2	99	279	12	9,644	2	-33.4		2	99	275	19
		12,405	7	-53.7		9	99	273	23																																		
INDIA																																											
SRINAGAR	1	840		13.6	3.0					1,492								3,107	0	6.8	3.7	0	10	250	1	5,782	0	-11.3	4.2	0	63	255	5	9,529	0	-36.3		0	84	300	21
		12,243	2	-54.7						14,124	16	-57.1																															
NEW DELHI/SAFDARJUNG	3	967		34.7	23.1					1,436	0	29.4	23.7	0	90	294	9	3,118	0	14.6	17.6	0	91	297	10	5,853	0	-4.9		0	91	294	12	9,677	0	-31.1		0	95	280	22
		12,444	0	-49.0		0	96	274	28	14,285	0	-60.5		0	97	268	25	16,739	0	-71.9		2	97	264	17	20,868	4	-59.3		9	27	285	2	24,166	6	-49.2		9	10	181	1
JODHPUR	3	976		34.7	23.2					1,452	0	27.3	32.4	0	95	239	6	3,121	0	13.4		0	51	286	2	5,848	0	-5.6		0	88	275	8	9,650	0	-31.5		0	94	272	18
		12,389	0	-50.6		0	96	265	22	14,197	1	-64.4		2	93	258	19	16,603	4	-74.8		4	77	248	10	20,717	6	-56.4		6	45	60	2	24,004	7	-48.1		7	78	86	5
LUCKNOW/AMAUSI	3	984		32.2	14.6					1,428	2	26.4	18.2	2	65	317	5	3,095	2	12.7	16.2	2	94	307	13	5,820	2	-5.3		2	97	317	13	9,623	3	-32.5		3	93	296	18
		12,366	3	-52.0		3	93	283	17	14,181	3	-63.7		3	93	273	16	16,573	4	-78.0		4	75	272	9	20,598	11	-62.7		11	42	75	2								
GAUHATI	3	1,000		25.5	2.7					1,437	0	18.1	2.4	0	55	228	3	3,071	0	8.7	4.1	0	75	259	6	5,790	0	-5.3	9.5	0	92	353	8	9,620	0	-30.5		0	93	355	15
		12,379	0	-51.1		0	93	359	18	14,195	0	-64.6		0	96	357	18	16,576	0	-77.8		0	82	347	9	20,662	1	-61.9		1	38	78	2	23,532	4	-51.9		4	88	88	6
AHMADABAD	1	998		27.3	4.5					1,455	1	22.9	24.3	1	85	255	6	3,106	1	10.9		2	72	246	5	5,833	2	-4.8		3	67	245	4	9,650	3	-30.7		4	80	273	9
		12,411	9	-50.8		10	89	260	13	14,231	9	-63.6		10	87	106	12	16,668	14	-76.9						20,779	14	-60.6						23,841	19	-50.3					
CALCUTTA/DUM DUM	3	999		29.8	3.7					1,429	0	23.8	14.0	7	2	245	5	3,088	0	11.3	15.3	0	84	293	10	5,799	0	-5.5		0	86	312	12	9,622	0	-30.7		0	88	299	13
		12,377	0	-51.7		0	88	285	11	14,199	1	-64.7		1	19	341	2	16,579	2	-78.1		2	37	29	3	20,642	2	-61.9		3	97	108	7	23,887	5	-51.3		5	87	84	10
NAGPUR/SONEGAON	3	996		37.0	8.5																																						
BHUBANESWAR	3	995		30.8	5.8					1,442	0	26.6	16.5	0	69	278	5	3,117	0	14.1	13.9	0	91	320	8	5,846	0	3.4		0	92	334	9	9,733	0	-27.3		4	79	332	8
		12,516	0	-48.2		4	77	293	7	14,358	0	-62.3		6	49	283	4	16,770	0	-76.5		6	41	5	4	20,902	6	-58.4						24,175	9	-47.4					
BOMBAY/SANTACRUZ	3	1,004		27.5	3.6					1,466	0	22.6	1.9	0	86	312	6	3,122	0	12.5	17.4	0	47	227	3	5,842	0	-5.1		0	6	62	3	9,660	0	-30.7		0	1	275	1
		12,414	0	-52.2		0	42	202	3	14,215	1	-65.1		1	46	150	4	16,643	4	-78.2		4	75	145	9																
HYDERABAD AIRPORT	3	946		34.9	19.9					1,493	0	27.5	22.9	0	57	310	3	3,164	0	13.3	15.0	0	77	1	4	5,875	0	-4.3		0	91	60	6	9,735	0	-28.2		0	43	27	3
		12,519	1	-49.6		1	23	67	1	14,346	1	-64.2		1	55	113	5	16,730	4	-76.6		4	79	99	9	20,829	9	-60.6		8	86	88	8								
VISHAKHAPATNAM/WALTAIR	3	995		29.7	3.7					1,433	0	25.7	12.7	0	81	294	4	3,107	0	13.5	13.8	0	97	4	6	5,832	0	-4.0	10.3	0	81	17	7	9,725	0	-27.6		0	49	357	4
		12,485	1	-49.4		1	11	343	1	14,314	2	-63.3		2	35	108	3	16,726	5	-77.2		8	26	83	3	20,854	9	-60.4		9	55	100	10	24,094	9	-50.2					
GOA/PANJIM	1	999		28.0	3.3					1,466	6	22.1	16.2	6	89	326	1	3,124	6	11.5	11.8	6	57	81	4	5,831	6	-5.2		7	29	307	2	9,678	9	-29.9		9	71	79	5
		12,429	11	-51.7		9	75	112	6																																		
MADRAS/MINAMBAKKAM	3	1,001		31.1	7.0					1,466	0	25.8	18.9	0	58	235	3	3,133	0	13.3	17.3	0	58	95	5	5,865	0	-3.3		0	81	68	6	9,736	0	-27.7		0	78	72	5
		12,529	0	-58.7		1	83	83	6	14,361	0	-63.3		1	95	107	10	16,758	2	-76.4		3	96	93	15	20,909	3	-55.6		7	87	95	7	24,169	4	-49.5					
PANAMBUR	3	1,003		27.2	2.1					1,478	1	20.4	7.8	1	72	325	4	3,131	1	11.8	11.7	1	75	78	4	5,847	3	-4.9		4	94	102	8	9,697	4	-28.9		6	84	96	7
		12,470	4	-51.0		8	50	116	4	14,269	5	-66.0		9	79	126	7	16,595	11	-74.9																					
PORT BLAIR	3	998		26.9	3.0																																						
COCHIN/ERNAKULAM	3	1,007		27.9	2.3					1,481	0	19.5	3.0					3,134	0	11.3	12.6					5,857	0	-4.6						9,675	2	-27.9					
		12,476	2	-51.2						14,279	3	-65.7						16,655	10	-77.2						20,757	11	-61.5						23,952	12	-50.4					

UPPER AIR DATA

MAY 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
ASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
INDIA																																											
MINICOY	1	1,007		28.3	3.4					1,473	0	19.8	5.6	0	67	304	3	3,126	0	10.5	9.8	0	74	76	6	5,844	0	-4.7		0	60	95	3	9,699	2	-29.4		3	81	106	7
		12,466	3	-52.4		4	92	97	11	14,257	9	-68.4		9	94	96	15																								
TRIVANDRUM	3	999		28.1	3.1					1,478	0	21.1	4.4	0	80	315	5	3,127	0	11.0	14.2	0	83	50	8	5,854	0	-4.2	9.1	0	87	77	4	9,707	0	-28.7		0	82	88	7
		12,476	0	-47.0		0	93	94	12	14,286	0	-65.8		0	96	87	16	16,642	1	-77.3		0	95	88	12	20,698	0	-61.5		1	96	86	14	23,950	2	-50.7		5	55	83	16
MONGOLIA																																											
SAINSHAND		904		15.2	15.9					1,451	0	9.5	15.9	0	23	260	1	3,046	1	0.2	11.7	1	64	287	4	5,644	1	-19.3	7.4	1	81	293	7	9,232	0	-46.3	5.7	1	82	286	10
		11,822	1	-57.3	5.5	1	49	283	12	13,663	2	-55.2	6.5	2	91	284	10	16,230	1	-57.2	7.3	1	90	282	8																
MALAYSIA																																											
PENANG/BAYAN LEPAS	3	1,007		26.7	2.1					1,490	0	19.3	6.4	0	26	241	1	3,134	0	10.3	6.0	0	36	267	1	5,857	0	-4.9	4.9	0	72	99	3	9,686	0	-30.3	8.0	0	95	95	8
		12,433	0	-52.7		0	91	83	13	14,225	0	-67.5		1	96	80	19	16,571	0	-80.3		1	93	81	14	20,587	6	-68.7		9	75	84	6	23,730	11	-57.3		14	100	89	30
KOTA BHARU	3	1,007		26.1	2.3					1,491	0	19.2	3.0	0	59	254	2	3,135	0	10.3	3.2	0	31	254	1	5,861	0	-4.6	3.5	0	72	103	4	9,699	0	-29.6	6.5	0	95	92	9
		12,456	0	-51.5		0	91	84	14	14,257	0	-66.2		0	96	79	19	16,614	0	-75.6		1	92	83	13	20,655	8	-66.7		9	75	94	6	23,817	8	-55.3		9	99	87	30
KUALA LUMPUR/PETALING JAYA	3	1,003		25.8	1.9					1,491	0	17.7	2.7	0	26	234	1	3,131	0	8.9	3.2	0	28	217	1	5,849	0	-5.9	4.7	0	81	94	4	9,677	0	-30.7	10.0	0	95	89	8
		12,422	0	-53.7		0	94	83	14	14,207	0	-68.9		0	96	78	18	16,548	0	-79.5		0	91	79	12	20,601	0	-67.5		0	61	77	4	23,777	3	-55.3		3	100	89	33
KUANTAN	3	1,007		24.5	3.0					1,489	0	17.5	5.4	0	62	215	2	3,123	0	8.7	5.4	0	19	264	1	5,842	0	-5.4	6.7	0	87	99	5	9,673	0	-30.5	10.5	0	94	93	9
		12,422	0	-53.2		0	93	87	13	14,213	0	-67.9		0	96	81	18	16,562	1	-78.9		1	92	82	14	20,619	1	-67.7		1	32	45	2	23,797	1	-54.3		4	99	91	31
KOTA KINABALU	3	1,008		26.6	2.5					1,493	2	18.8	3.3	2	13	165	**	3,137	2	10.1	4.2	2	79	106	3	5,861	2	-5.1	5.1	2	91	92	6	9,680	2	-31.1	7.8	2	93	100	7
		12,421	2	-52.8		3	89	89	9	14,215	2	-67.1		3	93	76	12	16,561	3	-80.5		5	91	80	12	20,554	7	-67.3		16	73	83	3	23,666	21	-57.4		28	99	86	31
TAWAU	1	1,008		26.3	2.1					1,505	0	18.3	3.9	6	76	112	4	3,144	0	9.6	6.3	6	88	91	5	5,863	0	-4.9	9.9	8	90	88	7	9,693	0	-29.8	14.1	9	94	94	9
		12,450	0	-51.1		11	91	79	11	14,259	0	-65.0		12	97	70	15	16,625	1	-79.3		15	69	68	8	20,678	14	-65.4		23	88	76	9	23,944	30	-58.0		30	100	90	27
SINGAPORE																																											
SINGAPORE/PAYA LEBAR	1	1,006		25.0	1.0					1,489	0	18.2	2.5	0	63	204	3	3,129	0	9.2	2.4	0	14	79	1	5,844	0	-5.5	2.8	1	92	95	6	9,672	0	-30.4	6.7	1	95	86	10
		12,419	0	-53.2	8.1	1	97	81	16	14,206	0	-68.0		0	97	75	18	16,554	0	-79.5		0	81	76	7	20,591	0	-68.9		0	84	94	8	23,745	0	-55.8		0	99	91	33
CHINA																																											
HAILAR	1	938								1,424	0	6.8	10.1	0	32	258	3	2,992	0	-3.7	10.3	1	27	278	3	5,563	0	-21.4	9.6	1	46	289	6	9,130	0	-48.2	8.4	1	53	306	9
		11,740	1	-53.9	8.8	3	74	286	10	13,593	4	-51.9	9.3	6	89	286	11	16,215	5	-52.6	9.7	9	91	294	9	20,686	5	-52.7	10.2	9	79	292	3	24,010	14	-49.1	11.6	9	39	276	1
URUMQI	1	910		12.1	9.1					1,492	0	12.2	12.5	0	49	334	2	3,088	0	1.2	10.3	0	67	330	4	5,707	0	-16.1	8.3	0	92	286	11	9,340	0	-44.9	7.3	0	95	283	22
		11,947	0	-58.6	6.8	0	96	281	25	13,768	1	-55.6	7.5	0	97	283	24	16,337	2	-58.2	7.8	1	96	280	18	20,691	5	-57.9	8.0	7	83	297	5	23,942	12	-53.6	8.0	9	62	21	20
BEIJING	1	1,006		18.0	9.1					1,482	0	11.6	14.0	0	29	288	2	3,078	0	1.5	11.4	0	63	296	6	5,699	0	-16.1	11.5	0	87	298	12	9,354	0	-42.6	9.1	0	92	284	25
		11,992	0	-56.8	8.1	0	93	283	32	13,816	0	-56.6	8.7	0	95	277	28	16,375	0	-58.9	9.0	0	97	282	20	20,714	3	-57.4	9.0	5	80	299	4	23,988	5	-51.5	10.1	6	15	230	**
LANZHOU	1	846		11.7	4.8													3,090	0	4.6	7.5	0	33	336	2	5,752	0	-11.5	8.2	0	56	301	5	9,464	0	-39.4	7.5	0	90	278	18
		12,122	0	-56.8	6.4	0	94	270	29	13,929	0	-59.5	6.5	0	97	274	32	16,438	1	-64.4		2	91	279	20	20,689	7	-59.7		9	67	297	2	23,926	19	-52.6		9	33	74	1
SHANGHAI	1	1,012		17.5	2.5					1,488	0	12.7	10.0	0	33	219	2	3,096	0	5.1	10.2	0	25	223	2	5,779	0	-8.8	11.4	0	44	275	7	9,551	0	-34.6	9.6	0	93	268	26
		12,271	0	-52.7	7.6	0	93	271	37	14,093	0	-60.4	9.2	0	95	272	35	16,575	1	-67.2		1	96	280	22	20,758	11	-61.3		9	75	316	3	24,001	20	-52.7		9		89	5
LHASA	1	652		6.1	8.1																					5,795	0	-5.4	8.0	0	67	262	4	9,590	0	-33.5	8.9	0	94	281	17
		12,330	0	-50.2	9.7	0	97	278	28	14,165	0	-59.9	8.6	0	97	280	28	16,601	1	-71.6		4	95	279	18	20,726	6	-63.0		9	67	80	2	23,952	6	-53.5		7	80	76	4
TAIBEI	2	1,009		23.4	3.5					1,481	9	14.8	2.4	9	33	221	2	3,108	9	8.6	12.8	9	89	257	10	5,822	9	-5.7	10.1	9	92	265	10	9,632	9	-31.9	10.0	9	97	265	20
		12,360	9	-54.1		9	95	274	27	14,149	9	-66.3		9	92	285	24	16,525	9	-76.1		9	89	283	15																
KUNMING	1	809		14.9	2.4													3,110	0	8.7	3.1	0	88	260	7	5,827	0	-5.5	6.2	0	82	266	9	9,657	1	-30.3	8.6	1	89	268	16
		12,425	1	-50.1	7.5	2	96	268	22	14,251	3	-62.5		4		269	20	16,673	6	-75.1		9	87	276	13	20,737	16	-63.5		9	75	84	3	23,976	25	-54.3		9		87	11
GUANGZHOU	1	1,008		23.1	2.2					1,485	0	16.3	2.7	0	57	204	4	3,121	0	9.4	6.4	0	88	248	7	5,845	0	-5.0	7.6	0	90	260	9	9,686	0	-29.4	8.2	0	94	263	16
		12,454	1	-50.7	6.9	1	91	268	20	14,274	1	-64.0		2	90	277	18	16,678	2	-75.8		4	75	293	9	20,733	10	-64.5		9		89	6	23,954	18	-53.5		9		88	12
AUSTRALASIA																																											
INDONESIA																																											
MEDAN/POLONIA	3	1,006		23.9	0.7					1,493	3	17.6	3.3	2	50	85	2	3,133	3	9.5	4.6	2	25	235	2	5,856	4	-5.3	3.7	3	61	100	5	9,689	5	-30.3	8.3	3	91	90	16
		12,439	8	-53.0		4	91	80	25																																		
JAKARTA/KEMAYORAN	3	1,009		26.1	2.8					1,497	2	18.2	2.8	9	80	110	8	3,136	2	9.9	5.2	5	97	105	6	5,861	2	-4.8	7.1	9	95	120	10	9,692	2	-29.5	7.1	9	88	115	14
		12,440	3	-52.4						14,236	3	-67.6						16,582	4	-78.7						20,627	20	-67.1						23,770	26	-56.8					
UJUNG PANDANG/HASANUDDIN	1	1,009		24.7	1.4					1,514	3	18.7	2.5	4	91	101	1	3,159	3	0.5	2.8	3	83	105	11	5,898	4	-2.9	4.2	4	83	98	15	9,787	6	-24.6	5.8	6	83	85	18
		12,620	7	-43.9		7	84	70	19	14,495	16	-54.4		9	71	95	15																								
NORTH PACIFIC																																											
LIHUE, KAUAI, HAWAII	2	1,015		24.0	4.4					1,559	0	12.7	3.8	0	94	70	6	3,175	0	7.5	19.7	0	84	85	6	5,866	0	-8.5	18.0	0	48	50	3	9,615	0	-37.3	13.1	0	64	12	7
		12,293	0	-57.2		0	67	351	10	14,074	0	-65.5		0	78	322	9	16,504	1	-70.8		1	71	310	5	20,665	1	-61.8		1	94	84	6	23,886	1	-54.0		1	98	84	12
HILO/GEN. LYMAN, HAWAII	2	1,017		20.8	3.1					1,548	0	12.2	1.2	0	88	80	4	3,158	0	6.7	19.7	0	75	94	4	5,845	0	-9.1	17.8	0	3	70	**	9,585	0	-37.9	13.2	1	42	320	5
		12,258	0	-57.6		0	68	301	9	14,040	0	-65.0		0	80	293	10	16,473	1	-71.0		1	66	291	5	20,619	2	-62.8		2	96	90	6	23,829	5	-54.3		5	99	86	14
WAKE ISLAND	2	1,015		27.4	5.0					1,548	2	16.7	5.3	2	88	99	6	3,181	2	9.0	12.6	3	87	89	5	5,892	2	-6.6	17.2	4	51	85	3	9,678	2	-34.1	13.0	2	29	46	2
		12,394	2	-54.5		2	39	358	4	14,182	2	-66.8		2	45	314	4	16,577	2	-75.0		2	34	325	2	20,672	3	-63.4		3	96	98	8	23,880	3	-54.0		3	99	82	15
JOHNSTON ISLAND	2	1,015		25.6	4.3					1,539	0	14.7	3.7	0	98	83	10	3,163	0	9.3	21.7	0	91	83	6	5,876	0	-6.8	18.1	0	66	61	4	9,653	1	-35.1	14.7	1	42	334	4
		12,357	1	-55.4		1	84	284	15	14,140	1	-67.4		1	91	286	16	16,533	1	-74.9		1	82	308	6	20,640	1	-63.9		1	95	87	7	23,843	1	-55.4		1	99	87	17
GUAM, TAGUAC, MARIANA IS.	2	999		25.2	1.6					1,521	0	18.3	4.0	0	92	92	6	3,162	0	10.3	13.1	0	94	92	6	5,885	0	-4.9	17.2	0	92	84	6	9,710	0	-31.2	14.4	0	39	348	3
		12,447	0	-53.9		0	47	296	5	14,236	0	-67.4		0	64	302	6	16,598	1	-79.2		1	63	51	4	20,648	2	-65.1		2	97	86	9	23,835	3	-55.8		3	100	89	23
YAP, CAROLINE ISLANDS	1	1,009		29.9	4.7					1,512	0	18.5	4.0	0	97	89	7	3,157	0	10.7	10.2	0	95	91	6	5,885	0	-4.2	17.3	0	90	83	5	9,725	0	-30.1	14.4	0	4	156	**
		12,478	0	-52.6		0	40	258	3	14,275	0	-67.1		0	59	272	4	16,641	0	-78.7		0	73	44	5	20,701	1	-64.6		1	97	91	10	23,888	4	-55.7		4	100	90	28
TRUK, CAROLINE ISLANDS	1	1,011		29.3	5.5					1,517	0	18.1	6.3	0	97	82	7	3,159	0	10.3	10.5	0	95	90	6	5,884	0	-4.8	14.4	0	80	95	4	9,722	0	-30.0	13.5	0	62	256	4
		12,473	0	-52.7		0	89	256	9	14,269	0	-67.2		0	89	269	10	16,631	0	-79.0		0	26	334	1	20,698	0	-65.0		0	95	90	9	23,873	2	-55.5		2	100	91	29

UPPER AIR DATA

MAY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB								850 MB 150 MB							
			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
AUSTRALASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH PACIFIC																	
KOROR, PALAU ISLANDS	1	1,007		28.6	3.6					1,509	0	18.0	3.4	1	96	97	7
		12,481	2	-52.3		2	27	165	2	14,278	2	-67.2		2	17	242	1
MAJURO, MARSHALL ISLANDS	1	1,011		28.8	5.1					1,519	0	17.6	4.1	0	99	87	9
		12,473	0	-53.1		0	90	249	12	14,267	0	-67.1		0	96	271	15
PONAPE, CAROLINE ISLANDS	1	1,005		29.0	5.1					1,503	0	17.9	4.6	0	98	88	9
		12,460	0	-52.7		0	88	251	11	14,256	0	-67.3		0	92	262	12
SOUTH PACIFIC																	
ATUONA, MARQUESAS ISLAND		1,004		29.9	5.4					1,506	1	17.4	4.3	0	90	93	6
		12,451	1	-72.6		0	78	311	11	14,245	1	-66.7		1	80	293	12
PAGO PAGO, SAMOA	1	1,012		29.1	4.5					1,526	0	17.7	5.7	0	84	94	6
		12,436	0	-54.5		0	81	206	12	14,218	0	-68.7		0	83	213	10
HAO, TUAMOTU IS.		1,012		28.1	6.4					1,517	0	16.1	4.4	0	43	66	2
		12,384	0	-55.0		0	83	283	13	14,163	0	-67.9		0	86	275	14
TAHITI, SOCIETY IS.		1,002		29.5	6.6					1,519	0	16.9	3.8	0	54	36	2
		12,428	0	-53.4		0	55	226	12	14,221	0	-66.3		0	73	245	13
RAPA, AUSTRAL IS.		1,016		21.4	6.1					1,513	0	10.3	5.9	0	14	323	1
		12,226	2	-55.2		11	84	252	25	14,022	2	-63.7		14	91	258	26
OCEAN SHIPS																	
SHIP L	1	1,016		8.4	3.4					1,454	0	0.0	5.3	0	59	288	6
		11,767	0	-56.1		0	71	303	14	13,604	0	-53.9		0	72	306	8

STATION	700 MB 100 MB								500 MB 50 MB								300 MB 30 MB							
		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
AUSTRALASIA	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH PACIFIC																								
KOROR, PALAU ISLANDS	3,153	0	10.2	6.7	0	94	93	7	5,881	1	-4.6	12.1	1	91	82	6	9,724	1	-29.7	11.2	1	49	114	2
	16,637	2	-79.1		2	73	49	5	20,693	3	-65.6		3	97	93	10	23,867	3	-56.0		3	99	90	29
MAJURO, MARSHALL ISLANDS	3,163	0	10.4	11.3	0	84	96	6	5,887	0	-4.6	14.8	0	62	104	3	9,723	0	-30.2	13.0	0	84	242	7
	16,632	0	-78.5		0	81	276	6	20,711	0	-64.9		0	96	96	10	23,897	2	-55.1		3	100	91	30
PONAPE, CAROLINE ISLANDS	3,147	0	10.5	11.3	1	92	95	5	5,872	0	-4.5	16.1	0	71	68	3	9,709	0	-30.1	13.5	0	65	253	5
	16,617	0	-78.4		0	55	299	3	20,692	0	-65.1		0	96	92	10	23,869	3	-54.7		4	100	90	30
SOUTH PACIFIC																								
ATUONA, MARQUESAS ISLAND	3,147	1	11.2	12.9	0	68	75	4									9,707	1	-30.7	11.5	0	46	342	4
	16,624	5	-75.3		5	96	285	11	20,754	11	-62.8		11	75	74	6	23,988	23	-53.8		25	97	84	24
PAGO PAGO, SAMOA	3,168	0	10.6	13.8	0	69	80	4	5,892	0	-5.5	16.0	0	56	84	3	9,705	0	-32.1	13.0	0	55	181	5
	16,565	0	-79.7		0	75	230	5	20,635	1	-63.5		1	92	90	4	23,833	1	-55.4		1	99	87	18
HAO, TUAMOTU IS.	3,149	0	9.5	11.5	0	15	172	1	5,875	0	-5.6	12.9	0	61	266	5	9,666	0	-32.9	10.1	0	79	276	8
	16,536	0	-76.3		0	92	275	11	20,647	1	-62.6		2	64	78	6	23,856	8	-53.2		11	97	90	9
TAHITI, SOCIETY IS.	3,157	0	10.2	11.1	0	25	318	2	5,881	0	-5.0	13.0	0	43	252	4	9,696	0	-31.9	10.8	0	52	234	8
	16,617	0	-74.5		0	80	260	9	20,768	3	-61.0		5	57	77	3	24,008	6	-52.1		7	96	90	12
RAPA, AUSTRAL IS.	3,114	0	5.1	17.4	0	60	274	6	5,786	0	-10.0	12.1	1	85	271	15	9,529	1	-36.5	8.6	7	87	259	23
	16,476	3	-67.2		16	94	257	15	20,727	6	-58.9		19	5	257	1	24,005	17	-52.0		25	97	262	9
OCEAN SHIPS																								
SHIP L	2,995	0	-5.5	19.3	0	66	294	8	5,562	0	-20.5	19.7	0	68	301	13	9,146	0	-45.9		0	64	305	18
	16,202	0	-54.6		0	63	325	3	20,637	2	-54.1		0	42	328	1	23,932	2	-51.8		0	90	92	4

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
JANUARY 1979		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
SOUTH AMERICA																																									
ANTARCTICA AMUNDSEN-SCOTT	1	688		-26.1	8.4																					5,144	0	-33.0	7.3	0	48	360	2	8,574	0	-51.6		0	18	333	1
		11,271	1	-42.6		1	29	273	1	13,221	1	-41.2		1	29	229	1	15,986	2	-39.2		2	45	221	1	20,761	5	-36.8		5	65	199	2	24,299	7	-36.1		7	78	195	2
OCTOBER 1979																																									
SOUTH AMERICA																																									
ANTARCTICA MCMURDO	1	986		-23.2	11.7					1,102	19	-26.8	5.9	20	64	161	4	2,488	19	-31.7	5.5	20	41	180	2	4,811	19	-43.6		20	60	227	3	8,099	20	-61.5		21	68	256	6
		10,564	20	-69.0		21	91	265	11	12,282	20	-69.3																													
JULY 1983																																									
EUROPE																																									
GREECE ATHENS/HELLINIKON	2	1,011		29.4	11.8					1,530	0	17.6	9.2	1	69	360	9	3,159	0	6.8	13.7	1	74	21	7	5,849	0	-8.8		0	65	324	8	9,605	0	-34.4		0	68	294	15
		12,356	1	-46.5		1	85	273	23	14,373	2	-52.7		2	85	273	21	16,798	4	-60.6		4	83	261	13	21,116	5	-55.7		5	82	123	7	24,428	6	-48.8		9	79	98	8
AUGUST 1983																																									
EUROPE																																									
GREECE ATHENS/HELLINIKON	2	1,013		28.9	12.8					1,523	0	15.4	12.6	0	0	343	5	3,136	0	7.0	18.7	0	94	39	8	5,810	0	-9.6		1	85	317	9	9,542	0	-36.2		3	86	290	16
		12,283	0	-48.8		2	98	301	28	14,132	0	-56.9		2	0	248	22	16,651	1	-60.5		1	92	246	12	20,968	3	-56.2		5	0	129	5	24,262	7	-50.4		9	0	102	6
SEPTEMBER 1983																																									
EUROPE																																									
GREECE ATHENS/HELLINIKON	2	1,015		27.0	12.3					1,524	0	13.2	11.7	2	92	360	6	3,128	0	5.6	12.9	2	70	310	4	5,786	0	-11.2		2	69	310	6	9,484	0	-39.2		2	76	290	11
		12,169	1	-50.9		3	85	273	12	14,001	1	-57.8		3	88	264	15	16,523	1	-62.3		3	89	252	8	20,842	3	-57.0		5	67	180	2	24,111	8	-52.4		9	57	75	2
OCTOBER 1983																																									
EUROPE																																									
GREECE ATHENS/HELLINIKON	2	1,020		21.2	9.9					1,534	0	8.1	9.5	2	73	7	4	3,111	0	0.9	11.5	1	45	323	3	5,728	0	-15.9		2	53	55	4	9,348	0	-44.6		1	43	61	5
		11,986	1	-56.3		2	77	267	10	13,780	1	-57.7		2	90	260	13	16,343	1	-60.8		3	96	282	23	20,646	5	-60.0		6	93	263	7	23,866	10	-55.1		10	89	268	8
NOVEMBER 1983																																									
EUROPE																																									
GREECE ATHENS/HELLINIKON	2	1,016		16.6	6.6					1,488	0	4.9	6.4	2	36	297	3	3,049	0	-1.6	11.2	2	67	270	6	5,638	0	-19.0	14.0	2	73	272	8	9,224	0	-47.1		1	74	266	15
		11,821	0	-58.6		1	86	272	18	13,628	1	-58.9		2	90	263	35	16,152	1	-60.3		2	97	266	17	20,446	4	-60.2		5	0	261	17	23,646	6	-55.9		9	98	260	21
DECEMBER 1983																																									
NORTH AMERICA																																									
ADJACENT ISLANDS KINGSTON/NORMAN MANLEY, JAM.	2	1,015		25.2	5.5					1,535	0	15.8	5.1	0	95	95	8	3,161	0	7.7	14.3	0	84	98	5	5,865	0	-7.0	18.2	1	43	81	3	9,644	1	-34.8	11.6	1	47	288	6
		12,344	1	-56.6		2	68	265	13	14,114	1	-69.1		1	73	276	11	16,485	1	-78.1		1	62	281	6	20,538	1	-62.9		1	58	82	2	23,745	2	-54.9		2	95	80	8
EUROPE																																									
GREECE ATHENS/HELLINIKON	2	1,017		14.1	5.8					1,501	0	4.1	6.9	2	36	255	3	3,056	0	-3.3	12.0	2	55	248	6	5,636	0	-20.8	13.0	1	50	255	7	9,199	0	-47.4	11.4	3	44	256	10
		11,821	0	-54.2		9	77	246	21	13,663	1	-55.7		9	83	262	21	16,229	2	-58.7		9	95	262	21	20,577	7	-58.2		9	96	286	12	23,831	11	-55.4		9	96	280	15

UPPER AIR DATA LATE REPORTS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB							850 MB 150 MB							700 MB 100 MB							500 MB 50 MB							300 MB 30 MB						
			TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND			
		HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
JANUARY 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
AFRICA																																									
SUDAN																																									
KHARTOUM		969		28.2	24.0					1,521	0	19.0	23.4	1	91	12	5	3,169	3	11.8	23.0	3	75	275	5	5,886	0	-5.5	26.8	3	47	243	4	9,890	0	-32.8	22.6	3	82	267	12
		12,408	0	-55.6		3	80	248	14	14,188	1	-67.6		3	79	244	11	16,552	9	-77.6		3	79	240	7	20,620	14	-62.7		9	27	12	1	23,826	14	-55.7		9	82	102	6
FEBRUARY 1984																																									
AFRICA																																									
SUDAN																																									
KHARTOUM		966		32.8	24.6					1,511	0	23.6	22.7	0	80	15	6	3,176	0	13.8	27.4	1	50	285	2	5,904	0	-5.1	26.9	1	53	151	4	9,172	0	-32.6	21.7	1	67	225	8
		12,434	0	-54.5		1	77	248	10	14,217	0	-66.8		1	78	252	9	16,588	1	-76.7		1	50	242	3	20,626	1	-64.0		1	25	13	1	23,839	3	-58.9		3	31	97	4
MOZAMBIQUE																																									
NAMPULA	3	958		25.4	4.0					1,480	10	18.6	3.1	9	50	260	3	3,123	10	9.5	4.1	9	52	272	3	5,845	11	-5.4	5.3	9	11	309	1	9,679	11	-30.2	6.6	9	61	108	5
		12,432	12	-52.6		9	89	94	11	14,228	16	-67.2		9	88	93	14	16,590	16	-80.0		9	83	90	12																
MARCH 1984																																									
NORTH AMERICA																																									
DOMINICAN REPUBLIC																																									
SANTO DOMINGO	2	1,013		21.7	1.8					1,521	4	14.4	5.4	4	71	97	4	3,143	4	8.4	17.7	4	66	90	3	5,854	4	-6.3	18.7	4	63	303	5	9,650	5	-33.4	14.4	5	81	296	16
		12,377	6	-53.9		7	85	289	21	14,173	6	-65.4		9	89	299	15	16,571	7	-76.4		9	69	309	7	20,589	8	-65.3		11	7	2	**	23,794	8	-55.3		11	62	90	5
EUROPE																																									
ITALY																																									
UDINE/CAMPOFORMIDO	3	1,002		8.0	8.9					1,430	0	-1.0	8.5	0	34	38	4	2,951	0	-9.7	10.2	0	27	26	5	5,468	0	-26.8	11.7	0	18	283	4	8,947	0	-57.4		0	24	244	7
		11,525	0	-55.0		0	50	264	11	13,367	0	-54.1		0	57	266	13	15,967	0	-54.8		0	75	265	15	20,394	1	-55.3		1	83	259	18	23,825	1	-57.1		1	83	253	25
MILANO/LINATE	3	1,001		7.8	7.8					1,436	0	-0.2	11.0	0	28	76	3	2,960	0	-9.8	12.4	0	8	235	1	5,473	0	-27.0	14.0	0	34	274	7	8,949	0	-53.2		0	40	275	13
		11,533	0	-55.3		0	54	283	15	13,378	0	-54.0		0	68	278	17	15,977	0	-55.3		0	72	275	18	20,397	0	-55.6		0	77	264	21	23,641	1	-57.8		1	82	248	25
ROMA/FIUMICINO	3	1,012		10.5	3.3					1,428	0	1.1	8.4	0	22	233	3	2,960	0	-8.1	15.0	0	39	279	6	5,488	0	-25.5	15.9	0	25	281	15	8,981	0	-52.3		0	63	269	23
		11,577	0	-54.5		0	79	271	30	13,425	0	-53.7		0	62	260	23	16,011	0	-55.2		3	93	263	26	20,452	1	-55.0		6	83	246	15	23,711	2	-55.6		8	62	227	12
BRINDISI	3	1,011		11.1	5.0					1,424	0	1.3	7.3	0	25	279	4	2,956	0	-8.4	10.9	0	51	266	9	5,482	0	-25.6	15.6	0	62	256	18	8,980	0	-51.7		0	68	256	29
		11,574	0	-54.8		0	88	255	37	13,420	0	-53.7		0	94	253	36	16,012	0	-56.0		0	94	253	30	20,409	1	-56.1		1	78	236	14	23,654	1	-56.5		1	61	220	13
CAGLIARI/ELMAS	3	1,013		12.1	5.0					1,438	0	2.1	10.1	0	51	300	10	2,979	0	-6.6	16.2	0	62	294	16	5,520	0	-24.6	15.6	0	71	279	22	9,035	0	-50.2		0	81	275	35
		11,647	0	-54.3		1	93	274	42	13,494	0	-54.0		1	86	270	41	16,080	0	-57.0		3	94	268	34	20,478	1	-55.8		5	80	255	16	23,717	2	-56.0		6	58	236	13
TRAPANI/BIRGI	3	1,012		12.7	3.1					1,448	2	2.6	8.6	2	51	279	9	2,988	2	-6.5	14.3	2	70	279	15	5,530	2	-24.2	16.3	2	79	284	23	9,046	4	-50.4		4	88	278	38
		11,661	4	-54.1		4	97	275	45	13,506	5	-54.5		5	97	278	47	16,084	5	-57.7		5	97	277	40	20,471	5	-56.5		6	83	265	20	23,719	6	-56.2		7	37	237	7
AFRICA																																									
SUDAN																																									
KHARTOUM		965		36.5	30.1					1,510	0	25.8	24.9	1	70	352	4	3,178	0	13.6	21.3	2	64	278	5	5,902	0	-6.1	18.3	2	75	263	5	9,670	0	-32.9	16.6	3	84	295	16
		12,409	0	-54.5		3	89	285	22	14,440	0	-67.0		3	95	285	22	16,567	3	-78.4		7	92	275	13	20,594	7	-66.3		9	30	146	15	23,749	10	-56.8		9	82	218	1
CENTRAL AFRICAN REP																																									
BANGUI		968		29.4	21.8					1,501	0	20.6	13.7	5	52	177	5	3,154	0	10.3	3.6	8	88	70	19	5,862	0	-6.8	14.9					9,690	0	-30.2	41.2				
		12,441	0	-52.7						14,238	1	-66.9						16,594	1	-81.0						20,619	4	-69.0													
MOZAMBIQUE																																									
NAMPULA	3	962		24.8	4.4					1,518	16	18.0	3.1	9	67	92	3	3,158	16	9.4	5.3	9	81	85	3	5,872	16	-6.4	5.5	9	64	73	4	9,688	16	-31.3	9.1	9	32	119	3
		12,432	18	-53.6		9	27	120	3	14,222	19	-67.4		9	32	137	3																								
OCEAN ISLANDS																																									
ST. HELENA IS	2	965		22.2	3.5					1,529	0	17.4	12.9	0	99	109	8	3,171	0	10.8	22.5	0	40	101	3	5,896	0	-3.7	42.6	0	80	99	4	9,726	0	-31.2	36.8	0	44	298	2
		12,469	0	-53.0		7	3	294	5	14,264	0	-66.4		0	59	269	4	16,624	1	-79.2		0	22	97	2	20,673	1	-65.7		0	98	97	14	23,844	1	-57.9		0	99	85	24
APRIL 1984																																									
NORTH AMERICA																																									
MEXICO-NORTHERN																																									
CHIHUAHUA UNIV. DE	2	855		11.2	14.0					1,482	3	13.2	20.4	3	63	256	2	3,093	1	6.0	19.5	1	87	251	10	5,759	1	-12.3	15.8	1	93	259	17	9,455	1	-39.8	9.0	3	92	260	25
		12,115	1	-57.0		8	96	264	34	13,914	1	-62.3		11	97	266	31	16,373	5	-68.3		15	97	273	22	20,580	13	-60.8		15	58	265	3	23,811	17	-53.2		17	35	312	2

UPPER AIR DATA LATE REPORTS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED
APRIL 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
EUROPE																																											
ICELAND																																											
KEFLAVIK	2	1,001		3.6	3.3					1,343	0	-5.6	3.5	0	52	192	7	2,843	0	-13.7	6.3	0	62	207	9	5,326	0	-29.4	9.7	0	66	213	12	8,811	0	-48.5		1	79	229	17
		11,474	0	-47.8		0	85	231	13	13,375	0	-47.8		1	90	229	11	16,039	1	-50.5		1	92	232	9	20,550	3	-52.0		3	83	223	4	23,876	7	-51.9		7	68	203	2
AFRICA																																											
SUDAN																																											
KHARTOUM		964		38.7	34.6					1,517	0	27.5	29.8	0	83	5	5	3,188	0	15.6	24.2	3	73	290	6	5,916	0	-6.0	15.5	3	79	227	6	9,723	0	-31.5	18.5	4	83	252	12
		12,463	0	-52.9		5	66	180	11	14,275	0	-66.4		6	90	180	13	16,643	1	-80.2		6	78	238	7	20,596	6	-64.2		7	64	237	33	23,862	12	-55.3		9	62	75	7
AUSTRALASIA																																											
NORTH PACIFIC																																											
MIDWAY ISLAND	2	1,021		21.9	6.3					1,565	2	11.4	8.3	2	37	189	2	3,172	2	5.5	16.6	2	43	246	3	5,842	2	-10.5	16.1	2	74	272	6	9,568	2	-38.5	11.1	2	76	280	9
		12,224	2	-60.1		2	78	292	13	13,986	2	-66.5		2	92	290	17	16,415	6	-70.9		8	93	276	13	20,563	14	-61.9		14	6	73	**	23,770	20	-55.4					

UPPER AIR DATA CORRECTIONS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB								850 MB 150 MB								700 MB 100 MB								500 MB 50 MB								300 MB 30 MB							
		HEIGHT	TEMPERATURE		DEW POINT DEPRESSION	MEAN VECTOR WIND				HEIGHT	TEMPERATURE		DEW POINT DEPRESSION	MEAN VECTOR WIND				HEIGHT	TEMPERATURE		DEW POINT DEPRESSION	MEAN VECTOR WIND				HEIGHT	TEMPERATURE		DEW POINT DEPRESSION	MEAN VECTOR WIND				HEIGHT	TEMPERATURE		DEW POINT DEPRESSION	MEAN VECTOR WIND			
			NUMBER OF MISSING DAYS	MEAN		NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED		NUMBER OF MISSING DAYS	MEAN		NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED		NUMBER OF MISSING DAYS	MEAN		NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED		NUMBER OF MISSING DAYS	MEAN		NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED		NUMBER OF MISSING DAYS	MEAN		NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
JANUARY 1983																																									
ASIA																																									
ISRAEL BET DAGAN																	30		0			0			30																
JULY 1983																																									
ASIA																																									
ISRAEL BET DAGAN																					17.7																				
AUGUST 1983																																									
ASIA																																									
ISRAEL BET DAGAN																					16.4																				
SEPTEMBER 1983																																									
ASIA																																									
ISRAEL BET DAGAN																											4			4											

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CLIMATE PUBLICATIONS AVAILABLE FROM THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, N.C.

COMPARATIVE CLIMATIC DATA

Presents tables of monthly and annual averages, totals or extreme climate conditions for approximately 300 major population centers. This publication is particularly helpful for comparing temperature, rainfall, snowfall, wind velocities, sunshine, cloudiness and relative humidities for the principal cities. The cities are listed alphabetically by state in two sections: observed data and climatological normals. This is an annual publication.

STORM DATA

Monthly issue presents a chronological listing, by states, of occurrences of storms and unusual weather phenomena, together with data on the paths of individual storms, deaths, injuries, and estimated property damage, and a brief narrative description of each event. A new section in the bulletin entitled "OUTSTANDING STORMS OF THE MONTH" highlights severe weather and includes descriptive photographs of storms, their tracks, and analyzed maps. The December issue includes annual summaries of tornadoes and lightning and North Atlantic tropical cyclones.

MONTHLY CLIMATIC DATA FOR THE WORLD

Contains monthly means of temperature, pressure, precipitation, vapor pressure and sunshine for about 2,500 surface data stations worldwide. Also contains monthly mean upper air temperatures, dew point depressions and wind velocities for ten standard levels.

LOCAL CLIMATOLOGICAL DATA

Published monthly for each first-order station. Presents daily maximum and minimum temperatures, degree day data, precipitation, station pressures, wind statistics, sunshine and sky cover data, as well as 3-hourly data for certain parameters. An annual issue is available summarizing monthly data and including up to 40 years record, and featuring a narrative climatological summary and history of the station.

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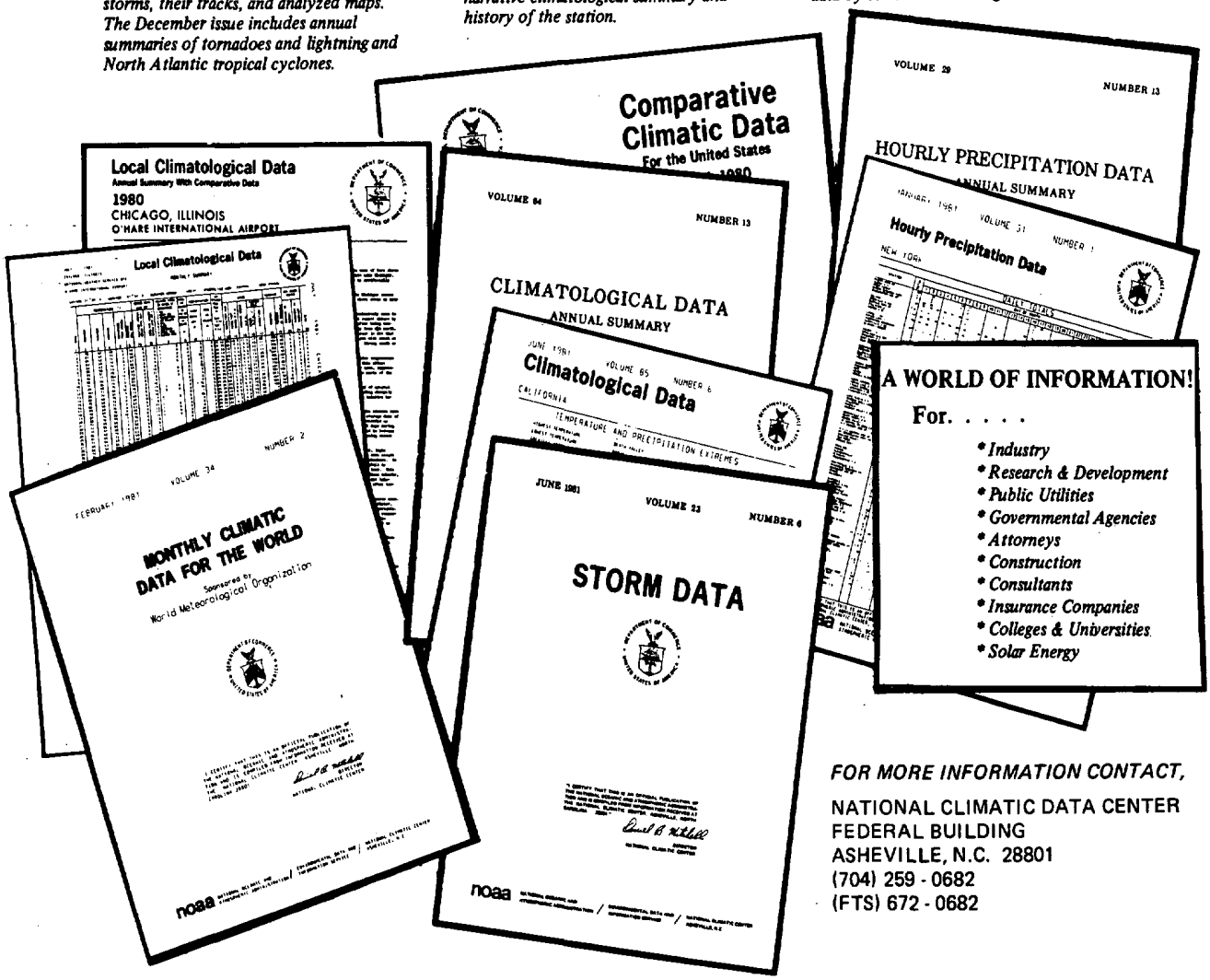
Published monthly for each state. Gives daily temperature and precipitation records, and monthly averages and totals, with departures from normal when available. Also derived statistics such as heating and cooling degree days, counts of days equaling or exceeding given temperature and precipitation thresholds, extremes, etc., are published for cooperative and first-order stations. Evaporation and soil temperature data are given for reporting stations. Seasonal snowfall, heating and cooling degree day tables included in selected tables. Annual summary also available.

HOURLY PRECIPITATION DATA

Monthly issue presents daily, hourly and maximum short duration data for the recording gage stations for each state except Alaska. The annual issue tabulates monthly and annual totals, and annual maximum precipitation data by selected time categories.



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

National Climatic Data Center
July 1984

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

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