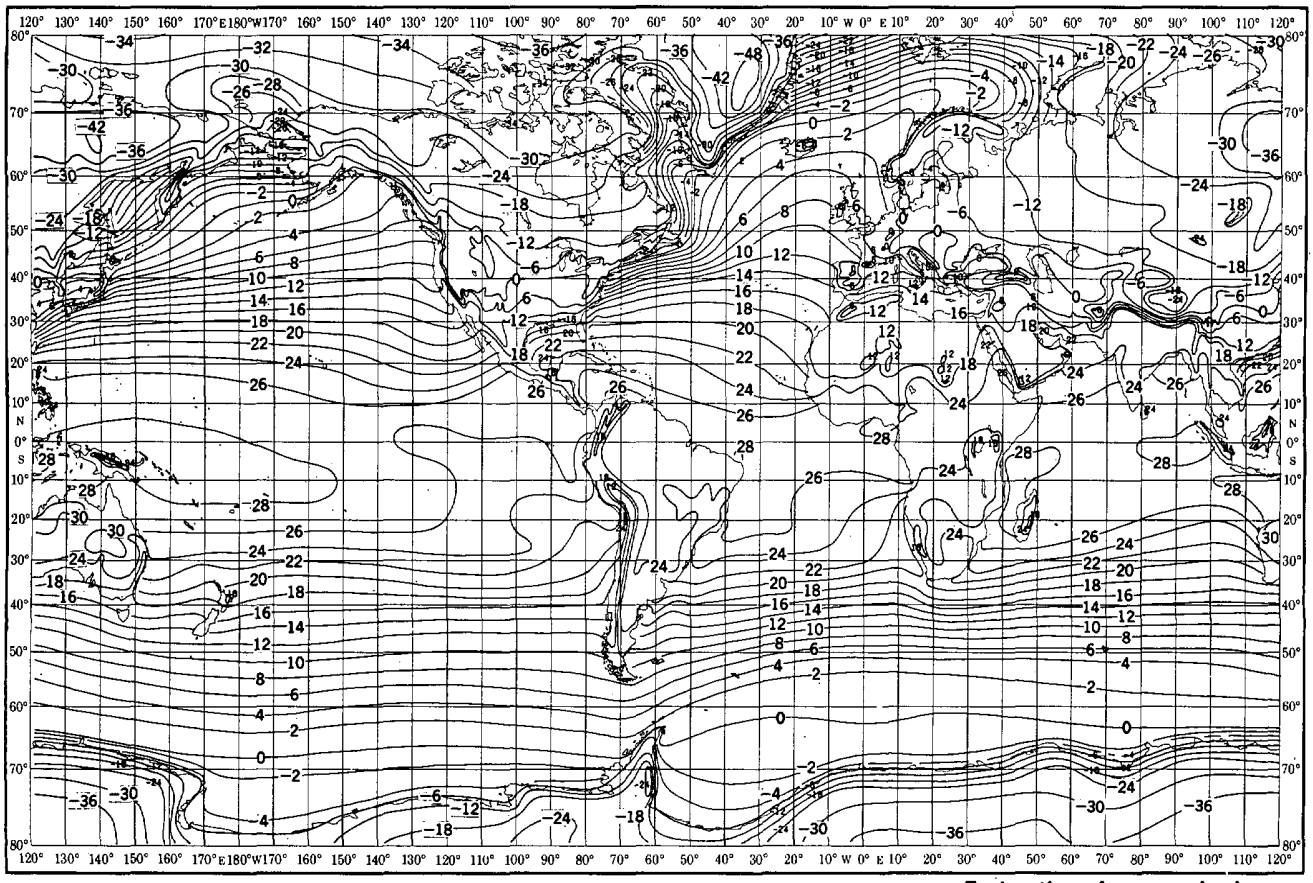
FEBRUARY 1984 VOLUME 37 NUMBER 2

MONTHLY CLIMATIC DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE WORLD METEOROLOGICAL ORGANIZATION

FEBRUARY

LONG TERM MEAN SURFACE AIR TEMPERATURE (°C)



Explanation of map on back cover

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PREFACE

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

REFERENCE NOTES

SURFACE DATA TABLE

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

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

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

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

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

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

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

UPPER AIR DATA TABLE

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

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

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

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

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

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

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

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SURFACE DATA

FEBRUARY 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															
ALASKA															
BARROW	71 18 N	156 47 W	4	29	1019.0	1019.6	-36.1	- 7.4				4	0	3	
BARTER ISLAND	70 08 N	143 38 W	15	29	1017.6	1019.6	-36.2	- 7.0			0	T	- 7	1	
KOTZEBUE	66 52 N	162 38 W	5	29	1015.2	1015.9	-29.4	- 8.2				0	- 7		
NOME	64 30 N	165 26 W	7	29	1012.9	1013.8	-25.7	- 9.8			0	0	- 13	1	202
FAIRBANKS	64 49 N	147 52 W	138	29	988.8	1007.3	-25.2	- 5.2			2	16	+ 6	4	
MCGRATH	62 58 N	155 37 W	103	29	993.9	1007.8	-26.7	- 7.5				20	+ 4	3	
BETHEL	60 47 N	161 48 W	46	29	1006.4	1007.9	-25.1	-10.5	0.5		0	T	- 17	1	
ANCHORAGE	61 10 N	150 01 W	40	29	991.0	996.0	- 7.0	+ 0.8			6	27	+ 4	4	66
ST. PAUL	57 09 N	170 13 W	9	29	1008.5	1009.5	-12.3	- 6.7				1	- 32		
COLD BAY	55 12 N	162 43 W	31	29	997.5	1001.4	- 7.4	- 4.9			10	72	+ 14	4	
KING SALMON	58 41 N	156 39 W	15	29	997.0	999.1	-18.9	- 9.2			6	14	- 8	2	
YAKUTAT	59 31 N	139 40 W	9	29	997.3	998.5	0.7	+ 3.1			24	422	+167	5	
JUNEAU	58 22 N	134 35 W	7	29	1002.4	1003.2	2.2	+ 4.5				137	+ 42		
ANNETTE ISLAND	55 02 N	131 34 W	34	29	1002.4	1006.5	4.7	+ 2.2				290	+ 32		
CANADA-WESTERN															
MOULD BAY	76 14 N	119 20 W	15	29	1013.8	1015.5	-35.2	+ 0.4	0.2	0.0	0	3	+ 1	4	
SACHS HARBOUR	71 59 N	125 17 W	86	29	1005.0	1017.1	-33.3	- 2.4	0.4	0.0	2	4	+ 2		25
CAMBRIDGE BAY	69 06 N	105 07 W	27	29	1013.4	1017.3	-30.9	+ 3.7	0.5	+0.2	3	9	+ 5	5	
COPPERMINE	67 50 N	115 07 W	9	29	1014.1	1017.2	-28.1	+ 2.8	0.6	+0.2	5	14	+ 8	6	49
INUVIK	68 18 N	133 29 W	68	29	1008.8	1018.4	-34.5	- 5.1	0.2	-0.3	1	6	- 4		46
CONTWOYTO LAKE	65 29 N	110 22 W	451			U									
NORMAN WELLS	65 17 N	126 48 W	73	29	1006.1	1016.1	-26.9	- 0.3	0.4	-0.3	6	16	- 1	4	91
WHITEHORSE	60 43 N	135 04 W	703	29	916.8	1001.9	- 6.3	+ 6.9	2.9	+0.6	2	11	- 3	3	133
CREE LAKE	57 21 N	107 08 W	499			U									
FORT NELSON	58 50 N	122 35 W	382	29	963.0	1011.4	-14.0	+ 3.1	1.7	+0.1	2	4	- 20	0	
FORT SMITH	60 01 N	111 58 W	203	29	986.7	1013.1	-16.0	+ 6.6	1.9	+0.8	6	16	0	3	59
PRINCE GEORGE	53 53 N	122 40 W	691	29	929.5	1011.5	0.8	+ 7.0	4.4	+0.8	5	10	- 33	0	108
EDMONTON	53 34 N	113 31 W	671	29	931.4	1012.2	- 0.3	+10.2	3.9	+1.2	3	5	- 15	1	136
EDMONTON STONY PLAIN	53 33 N	114 06 W	766			U									
THE PAS	53 58 N	101 06 W	271	29	981.4	1015.8	- 7.9	+10.4	3.0	+1.5	4	9	- 8	2	71
WINNIPEG INT. AP	49 54 N	97 14 W	239	29	986.3	1016.5	- 6.8	+ 8.9	3.6	+1.7	3	8	- 11	1	81
REGINA	50 26 N	104 40 W	577	29	945.2	1016.0	- 3.7	+10.6	4.0	+1.8	1	2	- 15	0	136
VERNON	50 14 N	119 17 W	555			U									
LETHBRIDGE	49 38 N	112 48 W	929	29	905.0	1014.3	2.8	+ 8.4	3.9	+0.5	1	3	- 19	1	
SANDSPIT	53 15 N	131 49 W	6	29	1004.1	1004.9	5.1	+ 1.7	7.7	+0.7	22	265	+154	6	94
PORT HARDY	50 41 N	127 22 W	22	29	1009.8	1012.3	5.4	+ 1.6	7.8	+0.6	21	201	+ 43	4	
VANCOUVER INT. AP	49 11 N	123 10 W	2	29	1016.2	1016.5	6.2	+ 1.8	8.1	+0.7	20	178	+ 61	5	68
CANADA-EASTERN															
ALERT	82 30 N	62 20 W	63	29	1007.3	1016.6	-36.3	- 3.0	0.2	-0.1	2	7	+ 2	4	
EUREKA	80 00 N	85 56 W	10	29	1016.2	1017.6	-44.1	- 6.4	0.1	-0.1	0	1	- 1	2	
RESOLUTE	74 43 N	94 59 W	67	29	1007.5	1016.9	-35.5	- 2.0	0.2	-0.1	0	2	- 1	3	76
CLYDE	70 27 N	68 33 W	6	29	1012.4	1015.9			0.2	-0.5	0	1	- 6		
HALL BEACH	68 47 N	81 15 W	8	29	1016.6	1017.7	-36.0	+ 1.6	0.2	-0.3	1	3	- 7		
BAKER LAKE	64 18 N	96 00 W	13	29	1016.2	1018.7	-27.6	+ 5.2	0.6	+0.2	8	20	+ 14	6	
CORAL HARBOUR	64 12 N	83 22 W	64	29	1010.6	1019.4	-29.8	- 0.3	0.4	-0.2	5	17	+ 7	4	
FROBISHER BAY	63 45 N	68 33 W	34	29	1012.5	1017.2	-31.7	- 6.5	0.4	-0.5	2	6	- 22	1	115
CHURCHILL	58 45 N	94 04 W	29	29	1014.4	1018.3	-19.7	+ 7.0	1.2	+0.5	7	25	+ 12		51
INOUCDJOUAC	58 27 N	78 07 W	5	29	1015.7	1016.1	-24.4	- 0.5	0.7	-0.1	7	15	+ 7		132
FORT CHIMO	58 06 N	68 25 W	37	29	1011.6	1016.6	-22.5	+ 0.3	1.1	0.0	9	26	- 5		
TROUT LAKE	53 50 N	89 52 W	220	29	989.8	1019.2	-15.1	+ 6.5	2.1	+0.9	8	26	+ 5	5	
NITCHEQUON	53 12 N	70 54 W	536	29	946.6	1014.5	-16.1	+ 4.8	2.2	+0.9	10	34	+ 2	4	
MOOSONEE	51 16 N	80 39 W	10	29	1014.5	1015.8	-12.4	+ 5.7	2.6	+0.9	9	38	- 6	3	67
KAPUSKASING	49 25 N	82 28 W	227	29	986.8	1015.6	- 9.0	+ 6.8	3.0	+1.2	8	24	- 24	1	
GERALDTON	49 42 N	86 57 W	331			U									
SEPT-ILES	50 13 N	66 16 W	55	29	1007.4	1014.5	- 8.9	+ 3.8	2.7	+0.4	11	66	- 26	2	64
GOOSE	53 19 N	60 25 W	49	29	1008.9	1015.2	-14.4	0.0	1.8	-0.2	16	91	+ 31	5	72
NORTH BAY	46 22 N	79 25 W	371	29	968.5	1014.5	- 5.2	+ 5.9	3.9	+1.4	8	71	+ 12	4	77
MANIWAKI	46 23 N	75 58 W	170	29	992.9	1014.3	- 5.2	+ 6.6	3.8	+1.3	8	68	+ 21		85
TORONTO/MALTON INT AP	43 41 N	79 38 W	173	29	993.3	1014.7	- 1.5	+ 4.3	5.0	+1.4	9	59	+ 9	4	
MONTREAL/DORVAL INT AP	45 28 N	73 45 W	36	29	1010.3	1014.6	- 3.6	+ 5.2	4.3	+1.5	10	65	- 6	3	
BAGOTVILLE	48 20 N	71 00 W	159	29		1015.0	- 7.5	+ 6.1	3.3	+1.2	7	44	- 19	2	
CHATHAM	47 01 N	65 27 W	34	29	1010.1	1014.5	- 5.0	+ 3.7	4.1	+1.2	11	91	0	3	65
STEPHENVILLE	48 32 N	58 33 W	26	29	1009.0	1012.3	- 3.7	+ 2.1	3.7	+0.2	11	130	+ 36		
GANDER INT AP	48 57 N	59 34 W	151	29	992.7	1011.7	- 4.7	+ 1.6	4.0	+0.4	14	143	+ 42	5	104
SHEARWATER	44 38 N	63 30 W	51	29	1007.9	1014.3	- 0.8	+ 3.4	5.5	+1.5	11	163	+ 34	4	57
SYDNEY	46 10 N	60 03 W	62	29	1005.9	1013.6	- 2.7	+ 2.8	4.6	+0.7	13	100	- 19	2	88
SHELBURNE	43 43 N	65 15 W	30			U									
SABLE ISLAND	43 56 N	60 01 W	4	29	1014.4	1014.9	1.3	+ 2.2	6.2	+1.2	14	160	+ 47	5	89
ARGENTIA VTMS NFLD	47 18 N	54 00 W	15	29	1011.8	1013.7	- 0.6	+ 1.8	4.9	+0.3	12	156	+ 46		
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	29	1013.1	1013.7	- 1.2	+ 1.6	5.1	+0.9	12	115	+ 16	4	75
UNITED STATES-NORTHWEST															
QUILLAYUTE	47 57 N	124 33 W	62	29	1007.8	1015.5	6.7	+ 1.3	8.6		21	350	+ 42	4	34
PORTLAND	45 36 N	122 36 W	12	29	1013.0	1018.5	7.7	+ 1.5	7.6		15	100	0	3	100
OLYMPIA	46 58 N	122 54 W	61	29	1009.7	1017.0	6.1	+ 1.2	8.2		19	139	- 7	3	
MEDFORD	42 22 N	122 52 W	405	29	971.6	1020.2	6.1	+ 0.3	7.5		9	64	+ 10	4	
SPOKANE	47 38 N	117 32 W	721	29	950.0	1019.5	1.4	+ 1.2	5.6		9	35	- 6	3	95

SURFACE DATA

FEBRUARY 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	29	886.6	1016.6	2.7	+ 5.6	3.8		5	18	- 2	3	81
SHERIDAN	44 46 N	106 58 W	1209	29	877.1	1017.1	0.3	+ 3.6				12	- 8		129
BISMARCK	46 46 N	100 45 W	506	29	954.4	1016.7	- 2.2	+ 7.5	3.8		3	8	- 4	2	89
RAPID CITY	44 03 N	103 04 W	966	29	899.4	1015.5	2.3	+ 5.6	3.5		2	5	- 11	1	112
BOISE	43 34 N	116 13 W	871	29	924.9	1023.9	- 1.0	- 3.3	4.0		5	22	- 5	3	77
WINNEMUCCA	40 54 N	117 48 W	1322	29	870.1	1021.3	1.3	- 0.8	4.0		6	23	+ 6	4	127
ELY	39 17 N	114 51 W	1909	29	809.7	1021.0	- 1.3	+ 0.5	3.4		3	10	- 7	2	120
SALT LAKE CITY	40 46 N	111 58 W	1288	29	871.4	1024.6	- 3.4	- 4.6	3.9		5	24	- 10	2	48
GRAND JUNCTION	39 07 N	108 32 W	1475	29	861.8	1021.8	- 0.2	- 1.0	3.6		2	3	- 11	1	114
DENVER	39 45 N	104 52 W	1625	29	835.0	1015.3	1.2	+ 0.3	3.4		4	21	+ 3	4	97
NORTH PLATTE	41 08 N	100 41 W	849	29	914.5	1015.7	0.7	+ 3.3			5	22	+ 8	5	125
UNITED STATES-NORTHEAST															
INTERNATIONAL FALLS	48 34 N	93 23 W	361	29	972.7	1015.4	- 6.3	+ 7.4	3.0		5	19	+ 2	4	
DULUTH	46 50 N	92 11 W	432	29	972.1	1014.7	- 5.0	+ 6.1	3.5		4	15	- 7	3	82
ST. CLOUD	45 35 N	94 11 W	318	29	975.9	1015.4	- 3.5	+ 6.7				22	+ 2		
SAULT STE. MARIE	46 28 N	84 22 W	221	29	991.0	1014.4	- 4.6	+ 5.2	4.0		8	48	+ 5	4	86
BURLINGTON	44 28 N	73 09 W	104	29	1000.1	1015.5	- 1.8	+ 5.9	4.4		11	69	+ 25	5	94
CARIBOU	46 52 N	68 01 W	146	29	990.2	1014.2	- 5.3	+ 5.3	3.7		10	78	+ 23	5	
DES MOINES	41 32 N	93 39 W	294	29	982.8	1014.7	1.9	+ 6.1	5.0		4	21	- 8	3	106
COLUMBIA	38 49 N	92 13 W	274	29	985.9	1014.7	4.4	+ 4.1	5.6		10	81	+ 34	5	95
CHICAGO O'HARE	41 59 N	87 54 W	205	29	989.5	1014.5	1.1	+ 4.4			6	35	+ 2	4	
ST. LOUIS	38 45 N	90 23 W	172	29	994.2	1015.1	4.7	+ 3.7	6.4		11	87	+ 33	5	100
DAYTON	39 54 N	84 13 W	306	29	982.5	1015.6	2.4	+ 3.7	5.3		10	68	+ 14	4	111
COLUMBUS	40 00 N	82 53 W	254	29	985.5	1016.1	3.0	+ 4.2	5.2		8	50	- 5	3	105
BUFFALO	42 56 N	78 44 W	215	29	986.2	1014.9	1.0	+ 5.2	5.4		11	91	+ 30	5	80
NEW YORK LA GUARDIA	40 46 N	73 54 W	9	29	1003.9	1015.7	4.0	+ 3.3	6.2		10	109	+ 31	5	
BOSTON	42 22 N	71 02 W	9	29	1009.6	1014.3	3.1	+ 3.8			10	198	+104	6	83
BLUE HILL OBS	42 13 N	71 07 W	195	29			1.8	+ 4.4				198	+ 91		86
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	29	1011.7	1016.1	6.6	+ 3.5	6.9		10	87	+ 21	5	81
UNITED STATES-SOUTHWEST															
SACRAMENTO	38 31 N	121 30 W	8	29	1018.3	1020.7	10.1	- 0.1				31	- 42		120
SAN FRANCISCO	37 37 N	122 23 W	5	29	1020.3	1021.1	11.6	+ 0.7	9.5		10	37	- 45	2	
OAKLAND	37 44 N	122 12 W	3			U									
SANTA MARIA	34 54 N	120 27 W	73	29	1011.2	1020.0	11.0	- 0.3	8.1		4	12	- 54	2	
SAN DIEGO	32 44 N	117 10 W	9	29		1018.3	15.7	+ 1.0	10.8		1	2	- 34	1	121
LAS VEGAS	36 05 N	115 10 W	664	29	952.5	1019.3	10.1	0.0	3.1		0	1	- 11	2	115
PHOENIX	33 26 N	112 01 W	337	29	977.0	1016.3	15.6	+ 2.2			0	0	- 15	1	121
EL PASO	31 48 N	106 24 W	1194	29	886.6	1015.6	8.3	- 0.8			0	0	- 11	2	117
ALBUQUERQUE	35 03 N	106 37 W	1620	29	847.5	1016.2	4.5	+ 0.4	2.9		0	T	- 10	0	125
WICHITA	37 39 N	97 25 W	408	29	965.7	1015.1	5.2	+ 3.5	5.2		6	31	+ 10	4	119
OKLAHOMA CITY/W ROGERS WORLD	35 24 N	97 36 W	397	29	972.0	1015.8	7.4	+ 2.5	5.4		5	29	- 3	3	138
NORMAN	35 14 N	97 28 W	362			U									
ABILENE	32 26 N	99 41 W	534	29	954.4	1016.1	9.9	+ 1.1	5.1		2	12	- 13	2	136
SAN ANTONIO	29 32 N	98 28 W	242	29	992.1	1017.0	12.3	- 0.1	7.9		4	14	- 34	2	122
VICTORIA	28 51 N	96 55 W	36			U									
BROWNSVILLE	25 54 N	97 26 W	6	29	1014.9	1016.9	16.9	- 0.2	14.4		3	11	- 29	2	88
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	29			8.7	+ 2.1	7.7		8	100	+ 5	3	143
LONGVIEW	32 21 N	94 39 W	124			U									
NASHVILLE	36 07 N	86 41 W	184	29	997.1	1017.1	6.3	+ 1.6	6.3		12	60	- 42	2	132
ASHEVILLE	35 26 N	82 32 W	661	29	936.3	1016.7	4.7	+ 0.8	6.2		11	163	+ 72	5	115
ATLANTA	33 39 N	84 26 W	315	29	974.3	1016.7	8.6	+ 1.4	7.1		9	152	+ 39	4	135
WAYCROSS	31 15 N	82 24 W	46			U									
CAPE HATTERAS	35 16 N	75 33 W	3	29	1016.6	1017.0	9.3	+ 1.7	8.9		8	109	+ 4	4	96
CHARLESTON	32 54 N	80 02 W	15	29	1015.6	1017.6	11.6	+ 1.7	9.7		4	89	+ 4	4	118
NEW ORLEANS	29 59 N	90 15 W	9	29	1016.1	1018.0	12.2	- 0.4			7	134	+ 1	4	
BOOTHVILLE	29 20 N	89 24 W	0			U									
JACKSONVILLE	30 30 N	81 42 W	9	29	1016.5	1018.0	13.3	+ 0.5	10.9		4	119	+ 30	4	118
APALACHICOLA	29 44 N	85 02 W	7			U									
WEST PALM BEACH	26 41 N	80 07 W	7			U									
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		1013.0	1014.6	18.3		8.5		0	C			
LA PAZ	24 10 N	110 21 W	18		1011.4	1014.4	15.6		14.0		0	0		1	
MAZATLAN CARRASCO	23 11 N	105 25 W	3		1011.4	1011.4	20.1		17.7		0	0		1	175
MONTERREY	25 40 N	100 18 W	534		957.6	1016.8	16.6		9.3		0	1		1	160
MONTERREY AEROP. INTL	25 52 N	100 14 W	423			U									
TORREON	25 32 N	103 27 W	1150		888.9	1013.1	15.5		8.1		1	2		0	
ZACATECAS	22 47 N	102 35 W	2612		746.7	1013.8	9.5		5.3		0	0		3	
GUANAJUATO	21 01 N	101 15 W	2037		1002.1	1010.1	15.1				2	9		5	100
GUADALAJARA	20 41 N	103 20 W	1551		845.3	1010.7	16.4		11.8		2	8		4	110

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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		%
NORTH AMERICA															
MEXICO-SOUTHERN															
MANZANILLO	19 03 N	104 20 W	6		1011.0	1011.4	24.5		20.4		0	0		3	
ACAPULCO	16 50 N	99 55 W	3		1010.0	1010.4	26.2		25.4		0	1			120
TAPACHULA	14 55 N	92 16 W	168		994.2	1007.1	27.7		23.8		0	1		2	125
VERACRUZ, YLANG YLANG	19 09 N	96 07 W	13		1006.3	1013.5	20.8		20.1		0	1		1	
COATZACOALCOS	18 09 N	94 25 W	14		1013.3	1016.6	22.2		22.8		7	60			
MERIDA AEROP. INTL.	20 57 N	89 40 W	11		1012.9	1013.9	23.1		20.8		3	49		5	100
SOCORRO IS	18 14 N	111 03 W	35			U									
MORELIA	19 42 N	101 11 W	1923		810.4	1009.9	15.7		9.0		2	8		3	180
MEXICO CITY INT.AP, D.F.	19 26 N	99 04 W	2234			U									
OAXACA	17 04 N	96 43 W	1563		845.3	1011.7	19.3		14.4		2	3		4	115
LAS CASAS	16 44 N	92 38 W	2128		1003.6	1014.7	27.1		26.1		0	7		2	
EL SALVADOR															
LOS ANDES	13 53 N	89 39 W	1700				15.5	+ 0.8	14.5	+0.4	2	21	+ 10		
ACAJUTLA	13 34 N	89 50 W	15		1010.0	1012.5	26.6	+ 0.6	24.9	+1.3	2	24	+ 20	5	
GUATEMALA															
LABOR OVALLE	14 51 N	91 30 W	2376	29	770.1	1015.8	12.5	+ 0.9	9.7	+0.1	3	9	- 1	4	88
GUATEMALA/LA AURORA AP	14 35 N	90 31 W	1489	29	854.3	1014.7	17.6	+ 0.3	15.3	+1.2	1	1	- 1		102
LA FRAGUA	14 58 N	89 32 W	140	29	987.1	1010.7	26.3	+ 0.5	24.3	+2.4	0	0	- 3		100
HUEHUETENANGO	15 19 N	91 28 W	1901	29	819.3	1018.4	16.5	+ 1.0	11.9	+0.2	1	3	- 8		94
COBAN	15 29 N	90 19 W	1316	29	870.5	1014.6	16.0	+ 0.5	16.3	+1.0	12	119	+ 21		89
EL PORVENIR	16 31 N	90 29 W	125	29	1002.4	1016.8	23.6	+ 1.3	26.3	+3.0	6	43	- 12		
BELIZE															
BELIZE INTL. AIRPORT	17 32 N	88 18 W	5	29	1013.7	1014.2	24.2		26.2		11	164			55
COSTA RICA															
JUAN SANTAMARIA	09 59 N	84 13 W	939	29	908.8	1009.8	22.2	0.0	18.0	-0.3	3	13	0	4	
PUERTO LIMON	10 00 N	83 03 W	5	29	1010.8	1010.8	24.1	- 0.6	25.3	-1.5	15	196	- 20	3	105
PUNTARENAS	09 58 N	84 50 W	3	29	1008.3	1008.3	27.2	- 0.8	26.5	-0.4	3	23	+ 17	5	85
ADJACENT ISLANDS															
NASSAU INTL.AP BAHAMAS	25 03 N	77 28 W	7	29	1016.3	1017.1	22.1	+ 1.2	20.0	+1.1	9	88	0	5	83
CASA BLANCA, HABANA, CUBA	23 09 N	82 21 W	50		1009.8	1015.5	22.2		20.9		8	137			
GRAND CAYMAN, B.W.I.	19 15 N	81 25 W	6			U									
SAN JUAN/INT., P.R.	18 26 N	66 00 W	19	29	1012.5	1015.8	25.4	+ 0.6	23.6		8	80	+ 28	5	119
JULIANA AP, ST. MAARTEN	18 03 N	63 07 W	12			U									
RAIZET, GUADELOUPE	16 16 N	61 31 W	8	29	1014.1	1015.1	24.6	+ 1.0	22.4	-0.6	13	82	+ 18	4	103
LAMENTIN/MARTINIQUE	14 36 N	61 00 W	144	29	1013.6	1014.4	24.9	+ 0.6	24.7	+0.9	8	649	+563	3	114
GRANTLEY ADAMS AP,BARBADOS	13 04 N	59 29 W	56	29	1008.1	1014.0	25.5	+ 0.3	23.5	-0.2	4	35	- 8		102
CROWN POINT AP, TOBAGO	11 09 N	60 50 W	6	29	1012.1	1012.9	25.5		25.4		9	56			
PIARCO INT. AP, TRINIDAD	10 37 N	61 21 W	15		1011.1	1012.7	25.3	+ 0.6	25.2	+0.8	6	30	- 21	2	110
DR.A. PLESMAN AP,CURACAO	12 12 N	68 58 W	17	29	1010.4	1011.3	26.9	+ 0.7	26.7	+1.2	6	24	- 3	3	100
SAN ANDRES,COLOMBIA	12 35 N	81 42 W	4	29	1011		26.7		27.8		6	70			
PROVIDENCIA,COLOMBIA	13 22 N	81 22 W	6	29			27.0		23.7		8	10			
DOMINICAN REPUBLIC															
SANTO DOMINGO	18 28 N	69 53 W	14		1012.6	1014.3	24.6		24.1		10	106		5	
SOUTH AMERICA															
VENEZUELA															
MARACAIBO-LA CHINITA	10 34 N	71 44 W	65	29	1001.4	1009.0	27.3	+ 0.5	26.0				- 2		83
MARACAY-B.A. SUCRE	10 15 N	67 39 W	443	29	960.7	1009.1	25.6	+ 1.7	20.8				- 5		97
CARACAS/LA CARLOTA	10 30 N	66 53 W	835	29			21.9	+ 1.3	19.9		5	12	+ 4		90
BARCELONA	10 07 N	64 41 W	7	29	1010.8	1011.6	27.4	+ 1.6	24.9		1	1	- 3		94
CIUDAD BOLIVAR	08 09 N	63 33 W	55	29	1004.0	1009.6	27.4	+ 0.3	24.6		2	5	- 9		92
SAN ANTONIO DEL TACHIRA	07 51 N	72 27 W	405	29	966.0	1008.0	25.2	+ 0.3	23.2			95	+ 58		88
MERIDA	08 36 N	71 11 W	1498	29	850.8	1505 Y	18.5	+ 0.1	15.1		4	107	+ 69		99
SAN FERNANDO DE APURE	07 54 N	67 25 W	74	29	1005.0	1010.5	27.7	+ 0.3	24.2		1	1	- 1		101
PUERTO AYACUCHO	05 36 N	67 30 W	101	29	1004.5	1012.9	27.9	- 0.4	21.6		3	11	- 13		74
SANTA ELENA DE UAIREN	04 36 N	61 07 W	907	29	912.4	1480 Y	21.2	- 0.5	17.6		6	32	- 30		111
SURINAM															
ZANDERIJ	05 27 N	55 12 W	16		1011.5	1025.5	19.0					65		4	90
FRENCH GUIANA															
CAYENNE/ROCHAMBEAU	04 50 N	52 22 W	9	29	1010.6	1011.7	26.0	+ 0.7	27.0	-0.2	15	109	-261	1	93
COLOMBIA															
SANTA MARTA/SIMON BOLIVAR	11 07 N	74 14 W	4	22		1007	27.7		25.7						
CARTAGENA/CRESPO	10 27 N	75 31 W	2	19		1006	27.1		28.5			9			
BARRANQUILLA	10 53 N	74 46 W	14	21		1008	27.1		27.5						
BUENAVENTURA-COLPUERTOS	03 55 N	77 05 W		25			26.0		26.3		15	41			
TUMACO/EL MIRA	01 38 N	78 46 W	16	27			26.0		24.3		25	422			
CUCUTA/CAMILO DAZA	07 55 N	72 33 W	309	29			26.7		24.2		1	2			
BARRANCABERMEJA/YARIGUIES	07 01 N	73 46 W	126	24			27.2		28.4		15	34			
BUCARAMANGA/PALONEGRO	07 08 N	73 11 W	1190	29			20.8		20.9		8	95			
MEDELLIN/OLAYA HERRERA	06 13 N	75 36 W	1498	28			21.5		16.6		14	77			
BOGOTA/EL DORADO	04 42 N	74 08 W	2547	29	752.0		10.0		10.9		15	64			
IPIALES/SAN LUIS	00 50 N	77 40 W	2962	28			11.0		10.4		18	89			

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	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SOUTH AMERICA															
COLOMBIA															
CALI/PALMASECA	03 24 N	76 24 W	969	29			22.9		20.8		14	11			
GIRARDOT/SANTIAGO VILA	04 17 N	74 48 W	286				28.2		25.5		9	72			
GAVIOTAS/VICHADA	04 28 N	70 44 W	183	29			27.4		22.6		6	93			
NEIVA/LA MANGUITA	02 58 N	75 18 W	439	29			26.2		24.5		12	129			
LETICIA/VASQUEZ COBO	04 10 S	69 75 W	84	26			25.3		28.0		23	406			
ECUADOR															
SAN CRISTOBAL/GALAPAGOS	00 54 S	89 36 W	6		1006.5		24.6	+ 1.2	28.0	+0.8	6	9	- 84	1	115
QUITO-BODEGA	00 10 S	78 29 W	2800		729.7		13.0	- 0.9	12.2	0.0	24	233	+106	6	70
IZOBAMBA-SANTA CATALINA	00 22 S	78 33 W	3058		705.6		10.6	- 0.9	10.8	+0.2	28	312	+147	6	65
NUEVO ROCAFUERTE	00 55 S	75 24 W	215				24.6	- 1.1	27.9	+1.6	21	302	+173	5	55
PORT VIEJO-GRANJA	01 02 S	80 26 W	44				24.7	- 1.0	25.8	-0.6		205	+ 85	5	140
PICHILINGUE	01 06 S	79 28 W	73		1009.0		24.5	- 0.8	27.8	-0.6	29	562	+142	5	125
AMBATO-GRANJA	01 15 S	78 37 W	2680				14.0	0.0	12.0	+0.5	23	57	+ 19	5	70
EL PUYO	01 30 S	77 57 W	950				20.1	+ 2.0	21.5	+0.3	28	363	+ 61	4	85
MILAGRO	02 07 S	79 36 W	13				24.7	+ 1.1	27.6	+0.1	28	621	+342	6	120
GUAYAQUIL/SIMON BOLIVAR	02 09 S	79 53 W	4		1011.4		25.8	- 0.5	27.2	0.0	26	464	+247	5	100
CANAR	02 33 S	78 56 W	3120				9.9	- 1.5	11.5	+0.7	24	94	+ 42	5	70
LOJA/LA ARGELIA	04 02 S	79 12 W	2040				15.5	- 0.2	13.9	+1.1	28	210	+103	6	80
PERU															
TALARA	04 34 S	81 15 W	90		999.8	1009.8	25.6		20.0		0	0		4	
CHICLAYO	06 47 S	79 50 W	37		1006.6	1009.7	24.6		22.2		6	9		5	
TRUJILLO	08 06 S	79 02 W	30		1007.6	1010.6	21.9		22.0		0	0		5	
CHIMBOTE	09 10 S	78 31 W	09		1008.3	1009.3	23.1		21.5		6	8		3	
LIMA-CALLAO/INTL AP/	12 00 S	77 07 W	11		1008.4	1009.9	22.5		22.0		0	T		3	
PISCO	13 45 S	76 17 W	7		1007.4	1008.1	22.8		20.8		0	0		5	
SAN JUAN	15 23 S	75 10 W	31		1003.4	1010.4	22.8		20.7		0	0		3	
PIURA	05 11 S	80 36 W	55		1005.2	1011.5	27.2		20.5		3	64			
YURIMAGUAS	05 54 S	76 05 W	184		992.4	1013.8			25.9		14	160		1	
CHACHAPOYAS	06 13 S	77 50 W	2435		762.7		14.5		10.9		25	203		4	
HUARAZ	09 32 S	77 32 W	3027		735.8		15.3		13.3		23	284		2	
HUANUCO	09 54 S	75 25 W	1858		814.9		19.8		16.2		18	131		3	
HUMANGA/AYACUCHO/	13 09 S	74 13 W	2761		731.8		16.1		25.1		23	203		2	
CUZCO	13 33 S	71 59 W	3312		686.6		11.2		9.1		20	253		5	
AREQUIPA	16 19 S	71 33 W	2525		728.4		13.9		11.4		8	19		2	
JULIACA	14 30 S	70 09 W	3823		643.5		9.6		9.3		22	190		3	
TACNA	18 04 S	70 18 W	458		959.7	1011.8	16.5		15.3		0	0		4	
MOYOBAMBA	06 02 S	76 58 W	832		915.3		22.5		23.3		14	152		2	
JUANJUI	07 13 S	76 43 W	350		977.9	1016.8	26.7		27.8		11	373		5	
TINGO MARIA	09 08 S	77 53 W	670		938.3	1010.4	23.5		23.8		22	499		5	
PUCALLPA	08 25 S	74 36 W	150		992.5	1009.6	25.2		27.8		11	301		5	
QUINCEMIL	13 16 S	70 40 W	619		939.2	1011.5			23.4		25	694		2	
IQUITOS	03 45 S	73 15 W	126		997.8	1011.9	24.9		28.0		19	195		2	
BOLIVIA															
COBIJA	11 04 S	68 44 W	260	29		1006.4	26.9	+ 0.9			14	258	+ 10		
RIBERALTA	11 00 S	66 05 W	172	19		1008.3	27.8	+ 0.8			8	80	-181		
REYES	14 18 S	67 22 W	200	29		1008.2	26.9	- 0.5			15	228	- 21		
RURRENABAQUE	14 28 S	67 35 W	200	29		1008.4	25.9	- 1.1			18	434	+114		
TRINIDAD	14 45 S	64 48 W	236	29		1008.8	27.0	0.0			22	324	+ 62		
CONCEPCION	16 15 S	62 03 W	490	29		1010.3	24.9	- 0.1			22	298	+149		
SAN IGNACID DE VELASCO	16 22 S	60 59 W	370	29		1007.0	26.6	+ 0.6			16	276	+ 68		
SANTA CRUZ	17 47 S	63 10 W	437	29		1007.6	26.4	- 0.6			17	82	- 36		
ROBORE	18 20 S	59 45 W	300	29		1006.6	28.5	+ 0.5			5	37	- 98		
POTOSI	19 35 S	65 45 W	4002	29	634.6		9.2	- 0.8			17	255	+140		
CAMIRI	20 06 S	63 33 W	792	29		1004	25.9	+ 0.9			12	263	+121		
VILLA-MONTES	21 16 S	63 30 W	400	29		1012	26.6				9	208			
TARIJA	21 32 S	64 47 W	1905	29	813		22.1	+ 1.1			15	233	+106		
EL ALTO	16 30 S	68 11 W	4050	29	625.9		7.6	- 0.4			28	293	+191		
ORURO	17 58 S	67 07 W	3706	29	652.4		8.9	- 4.1			21	165	+ 89		
COCHABAMBA	17 23 S	66 10 W	2570	29	748.8		17.7	- 1.3			24	176	+ 74		
SUCRE	19 03 S	65 10 W	2850	29	725.6		14.9	- 1.1			22	201	+ 83		
PUERTO SUAREZ	18 57 S	57 52 W	154	29		1013.9	28.2	+ 0.2			7	129	- 22		
BRAZIL-NORTHERN															
S.GAB. DO CACHOEIRA/UAPES	00 08 S	67 05 W	87	29	998.5	1006.9	25.9	+ 0.4	29.5	+1.1	16	273	+ 23	3	
COARI	04 05 S	63 08 W	48	29	1002.7	1008.2	29.8	+ 4.6	30.2	+2.0	27	434	+160	4	
MANAUS	03 07 S	60 01 W	60	29	1002.3	1009.8	25.8	0.0	28.9	-0.7	24	341	+ 64	4	
MANAUS AERO PONTA PELADA	03 09 S	59 59 W	84			U									
PORTO VELHO/AEROPORTO	08 46 S	63 55 W	105	29	998.7	1005.7	25.9	+ 0.8	30.0	+2.1	18	223	- 82	1	
VILHENA /AEROPORTO/	12 44 S	60 08 W	652			U									
RIO BRANCO	09 58 S	67 48 W	136	29	992.7	1007.8	25.2		27.9		20	352			
SAO FELIX DO XINGU	06 38 S	51 59 W	150	29	989.0	1010.5	25.2		27.6		22	212			
BELEM	01 28 S	48 29 W	24	29	1009.0	1009.7	5.1	+ 0.4	30.3	+0.6	26	585	+178	5	
BELEM/AERO VAL DE CAS	01 23 S	48 29 W	16			U									
SAO LUIZ	02 32 S	44 17 W	51	29	1003.2	1009.1	26.0		29.5		21	324		3	
FORTALEZA	03 43 S	38 33 W		29	1006.6	1009.2	26.9		28.8		14	208		4	
CEARA-MIRIM	05 39 S	35 25 W	64	29	1002.3	1009.5	28.5	+ 1.1	26.6	-1.3	4	38	- 54	2	
NATAL /AUGUSTO SEVERO/	05 55 S	35 15 W	49			U									
CONCEICAO DO ARAGUAIA	08 16 S	49 17 W	157	29			25.1	+ 0.3	33.0	+5.4	20	201	- 24	2	
CAROLINA	07 20 S	47 28 W	183	29	987.8	1011.9	24.9		27.7		17	218		3	

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	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SOUTH AMERICA															
BRAZIL-NORTHERN															
BARRA DO CORDA	05 30 S	45 16 W	82	29	990.7	1010.6	24.7	- 0.9	27.5	-0.2	17	160	- 15	3	
FLORIANO	06 46 S	43 01 W	110		994.4	1010.4	25.5		27.9		18	285			
QUIXERAMOBIM	05 12 S	39 18 W	199	29	984.5	1008.0	27.7	- 0.7	21.9	-2.6	6	51	- 37	2	
BOM JESUS DA LAPA	13 16 S	43 25 W	440	29	959.1	1009.8	27.5		21.9		3	239			
PETROLINA	09 23 S	40 30 W	370	29	967.1	1007.9	29.1		18.7		1	2			
RECIFE /CURADO/	08 04 S	34 51 W	19	29	1010.1	1011.0	28.1	+ 1.0	26.9	-0.5	6	63	- 27	3	
ARACAJU	10 55 S	37 03 W	6	29	1010.7	1010.0	27.9	+ 1.1	28.5	+1.1	4	89	+ 43	5	
SALVADOR (OLINDA)	13 00 S	38 31 W	51	29	1004.4	1010.6	27.6	+ 1.0	27.7	+0.4	8	30	- 55	2	
BRAZIL SOUTHERN															
CUIABA	15 36 S	56 06 W	165	29	992.6	1009.7	27.1	+ 0.6	30.8	+2.4	18	176	- 22	3	
PONTA PORA	22 32 S	55 44 W	650	29	934.9	1010.1	23.3	+ 0.2	22.8	+0.6	12	174	- 6	2	
CAMPO GRANDE	20 28 S	54 40 W	567	29	951.6	1011.5	25.0	+ 0.8	25.2	+1.0	11	104	- 95	1	
TRES LAGOAS	20 47 S	51 42 W	314	29	975.5	1010.9	28.1	+ 2.4	25.1	-1.0	5	102	-101	1	
GOIANIA	16 41 S	49 15 W	733	29	928.2	1009.5	24.6	+ 1.7	21.9	-1.1	13	197	- 27	3	
MONTES CLAROS	16 44 S	43 52 W		29	939.1	1009.9	25.4		20.8		2	20		1	
BRASILIA/CRUZEIRO/	15 46 S	47 56 W	1161	29	885.0	1009.5	22.3		18.9		14	136			
BRASILIA/AEROPORTO/	15 52 S	47 56 W	1061			U									
ARAXA	19 34 S	46 58 W	950		899.9	1011.7	25.7	+ 4.0	21.3	+1.1	11	126	-135	1	
BELO HORIZONTE	19 50 S	43 56 W	915	29	918.2	1011.5	25.0	+ 2.1	20.7	-0.1	2	40	-190	0	
CARAVELAS	17 44 S	39 15 W	4	29	1011.6	1012.1	26.9	+ 1.2	24.4	-2.0	15	200	+103	5	
CORUMBA	19 01 S	57 40 W	140	29	992.5	1009.8	27.0	+ 0.1	29.6	+1.1	10	112	- 46	3	
JUIZ DE FORA	21 46 S	43 21 W	683	29	910.8	1013.1			20.5		3	220		0	
RIO DE JANEIRO	22 54 S	43 10 W	26	29	1012.0	1012.4	26.8	+ 0.7	28.2	+1.0	0	0	-137	0	
RIO DE JANEIRO/AERO GALEAO	22 49 S	43 15 W	6			U									
LONDRINA	23 23 S	51 11 W	566	29	947.1	1010.5	25.9		23.6		7	61			
SAO PAULO	23 30 S	46 37 W	795	29	923.6	1011.2	24.9	+ 3.5	22.5	+1.5	7	140	-149	2	
SAO PAULO(AEROPORTO)	23 37 S	46 39 W	803			U									
CURITIBA	25 26 S	49 14 W	949	29	911.8	1013.2	22.9	+ 2.9	21.0	+1.4	2	13	-150	0	
CURITIBA/AERO AFONSO PENA	25 31 S	49 10 W	908			U									
FLORIANOPOLIS (AEROPORTO)	27 40 S	48 33 W	5	29	1012.0	1012.2	26.5		28.2		11	77		1	
ALEGRETE	29 47 S	55 47 W	103	29	995.3	1009.3	25.9	+ 1.7	27.1	+6.2	14	133	+ 24	3	
IGUAPE	24 43 S	47 33 W	4	29	1011.4	1011.9	26.4		29.4		4	119		1	
PORTO ALEGRE	30 05 S	51 11 W	7	29	1005.6	1011.1	26.8	+ 2.3	26.1	+3.4	7	100	- 4	3	
PORTO ALEGRE/AERO S.FILHO	30 00 S	51 11 W	3			U									
SANTA VITORIA DO PALMAR	33 31 S	53 22 W	6	29	1007.1	1011.4	23.6	+ 1.8	25.7	+5.3	11	296	+205	6	
CHILE															
ARICA/CHACALLUTA	18 22 S	70 21 W	35	29	1005.0	1012.2	22.3	- 0.2	18.0	-3.0	0	0	0	5	
ANTOFAGASTA/CERRO MORENO	23 28 S	70 26 W	122	29	998.1	1012.2	19.5	- 0.6	17.7	+0.1	0	0	0	5	
ISLA DE PASCUA/MATAVERI	27 10 S	109 26 W	41	29	1013.4	1018.9	23.8	+ 0.1	22.7	-1.0	8	100	+ 17	4	
JUAN FERNANDEZ	33 37 S	78 50 W	6	29	1014.1	1016.8	18.9	0.0	14.4	-1.5	6	59	+ 35	5	
LA SERENA	29 54 S	71 15 W	32	29	995.9	1012.2	16.2	- 2.2	15.3	-1.2	0	0	- 1	4	
PUNTA ANGELES	33 01 S	71 39 W	41	29	1010.0	1012.2	15.9	- 1.8	15.5	+0.5	0	0	- 3	3	
SANTIAGO/PUDAHUEL	33 26 S	70 50 W	480	29	957.5	1012.4	18.3	- 1.0	12.6	-1.5	0	0	- 3	4	
VALDIVIA/PICHOY	39 37 S	73 04 W	53	29	1011.6	1013.8	13.8	- 2.6	12.5	-1.7	7	76	+ 7	4	
PUERTO MONTT /EL TEPUAL	41 26 S	73 07 W	110	29	1004.6	1014.8	13.3	- 1.6	12.8	-0.1	14	151	+ 62	5	
ISLA GUAFA	43 34 S	74 44 W	140	29							18	68	- 37	2	
PUNTA ARENAS/CARLOS IBANEZ	53 02 S	70 51 W	33	29	991.5	995.3	9.6	- 1.0	7.6	-1.2	8	29	- 45	3	
PARAGUAY															
MARISCAL ESTIGARRIBIA	22 01 S	60 36 W	181	29	990.7	1011.1	28.0	+ 0.8	24.0	+4.8	5	97	+ 14	3	
PUERTO CASADO	22 27 S	57 52 W	87	29	1001.2	1011.1	27.8	+ 0.6	27.3	+2.7	8	103	- 18	3	
CONCEPCION /PISTA/	23 27 S	57 16 W	95	29	1001.0	1010.7	28.2	- 0.3	26.0	-0.5	8	34	- 91	1	
PTC STROESSNER/AERO	25 16 S	57 38 W	101	29	999.6	1010.1	28.5	0.0	26.9	-2.0	1	18	-130	0	
VILLARRICA	25 45 S	56 26 W	155	29	993.0	1011.2	27.3	- 0.2	26.8	-2.3	7	69	- 71	1	
PUERTO PDTE STROESSNER	25 32 S	54 36 W	196	29	988.6	1009.5	27.6	- 1.7	26.8	-7.9	11	131	- 14	3	
PILAR	26 51 S	58 19 W	55	29	1004.2	1010.7	28.7	- 1.1	26.3	-2.3	6	58	- 71	2	
ENCARNACION	27 20 S	55 50 W	80	29	1002.1	1011.1	27.1	- 0.9	26.9	-3.0	10	181	+ 9	4	
ARGENTINA-NORTHERN															
LAS LOMITAS	24 42 S	60 35 W	130	29	992.2	1006.7	29.3	+ 2.3	23.6	+1.5	3	18	- 96	1	115
ARGENTINA-SOUTHERN															
PUNTA INDIO B.A.	35 22 S	57 17 W	22	29	1009.8	1012.3	23.3		22.6	+3.7	6	30			
MAR DEL PLATA B.A.	38 03 S	57 33 W	5	29	1008.9	1011.3	21.5		21.4	+3.2	6	117			
COMANDANTE ESPORA B.N.	38 44 S	62 10 W	74			U									
RIO GALLEGOS E.N.	51 38 S	69 13 W	27			U									
RIO GRANDE B.A.	53 48 S	67 45 W	11	29	993.4	996.1	9.4		7.9		10	28			
USHUAIA	54 48 S	68 19 W	14	29	993.5	995.3	9.3	+ 0.1	8.1	-0.1	2	5	- 42	1	
URUGUAY															
SALTO	31 23 S	57 58 W	46	29	1004.1	1007.5	23.9	- 1.3	24.4	+6.8	17	449	+355	6	
MELO	32 25 S	54 20 W	93	29	998.1	1009.9	24.0	+ 0.6	24.4	+4.5	16	298	+198	6	
PASO DE LOS TOROS	32 46 S	56 32 W	79	29	1000.6	1009.5	23.8	- 0.1	23.8	+4.1	17	545	+453	6	
MERCEDES	33 15 S	58 04 W	22	29	1007.4	1009.5	24.4	- 0.8	24.6	+5.5	16	757	+672	6	
TREINTA Y TRES	33 11 S	54 21 W	44	29	1004.8	1010.2	24.6	+ 1.2	23.9	+5.8	14	367	+275	6	
COLONIA	34 28 S	57 51 W	20	29	1006.3	1009.1	23.6	0.0	22.4	+2.0	10	342	+262	5	
MONTEVIDEO/PRADO	34 52 S	56 12 W	22	29	1007.8	1009.8	23.4	+ 1.2	21.9	+3.8	11	124	+ 50	4	
PUNTA DEL ESTE	34 58 S	54 57 W	16	29	1008.7	1010.1	23.7	+ 2.1	17.1	-2.5	9	106	+ 32	4	
ROCHA	34 30 S	54 20 W	22	29	1008.3	1010.6	23.0	+ 1.4	23.5	+2.7	12	174	+ 88	5	

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		%
SOUTH AMERICA															
ANTARCTICA															
ISLAS ORCADAS B.N.	60 44 S	44 44 W	5		990.7	992.2	1.2		5.9		2	57		4	110
CENT.MET.ANT.POTE.ED.FREI	62 25 S	58 53 W	10	29	988.7	989.1	1.8		5.8		17	71			
B.A. ARTURO PRAT	62 30 S	59 41 W	5	29	988.1	988.7	1.5		5.9		11	62			
B.A. BERNARDO O'HIGGINS	63 19 S	57 54 W	10	29	986.3	987.5	0.6		5.2		9	45			
ESPERANZA B. E.	63 24 S	56 59 W	8	29	995.1	996.6	3.3		5.3						
S.A.N.A.E. STATION	70 19 S	02 21 W	52	29	983.5	990.7	-10.8		1.4						
MAWSON	67 36 S	62 53 E	16		989.4	991.0	- 4.6	- 0.2	2.1						
DAVIS	68 35 S	77 59 E	15		987.2	988.8	- 2.6	- 0.1	2.3			1			
CASEY	66 16 S	110 38 E	11		983.1	985.0	- 1.3	- 1.2	3.5		1	3			
VOSTOK	78 27 S	106 52 E	3420		629.2	1007.1	-47.3		0.8		0	T			
EUROPE															
GREENLAND															
NORD	81 36 N	16 40 W	36	29	1005.5	1011.5	-26.3	+ 4.1	0.9		4	9	- 4		
DANMARKSHAVN	76 46 N	18 46 W	12	29	1004.9	1006.5	-18.9	+ 4.5	1.2		6	22	+ 1		
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	29	992.7	1001.6	-12.6	+ 3.4	2.0		7	22	- 9		
EGEDESMINDE	68 42 N	52 45 W	47	29	1005.5	1012.3	-31.8	-16.0	0.3		2	4	- 17		
EGEDESMINDE	68 42 N	52 45 W	27			U									
GODTHAB	64 10 N	51 45 W	50	29	1003.3	1007.0	-19.8	-12.6	1.0		4	18	- 12		
ANGMAGSSALIK	65 36 N	37 38 W	50	29	988.1	992.7	- 8.8	- 1.0	2.6		18	87	- 6		
ANGMAGSSALIK	65 36 N	37 38 W	50			U									
NARSSARSSUAQ	61 11 N	45 26 W	4			U									
ICELAND															
REYKJAVIK	64 08 N	21 56 W	16	29	988.6	996.2	- 0.3	- 0.2	5.2	-0.1	20	117	+ 52	5	31
KEFLAVIK	63 58 N	22 36 W	54	29	989.0	995.7	0.0	- 0.3	5.6	+0.2	20	163	+ 85		
AKUREYRI	65 41 N	18 05 W	27	29	993.0	996.4	0.1	+ 1.7	4.8	0.0	9	76	+ 34	6	50
HOFN I HORNAFIRDI	64 15 N	15 11 W	11	29	996.8	998.2	1.9	+ 2.1	5.8		18	242	+132		65
UNITED KINGDOM															
LERWICK	60 08 N	01 11 W	82	29	1003.1	1013.3	4.1	+ 1.2	7.1	+0.1	18	90	- 6	3	55
STORNOWAY	58 13 N	06 19 W	13	29	1010.8	1012.6	5.6	+ 1.2	8.0	+0.6	13	63	- 12	2	75
TIREE	56 30 N	06 53 W	9	29	1014.0	1015.1	5.6	+ 0.4	8.1	+0.6	13	85	+ 8	3	45
ABERDEEN/DYCE	57 12 N	02 12 W	59	29	1007.8	1015.8	3.5	+ 0.7	6.6	+0.3	12	47	- 7	2	69
EDINBURGH/TURNHOUSE AP	55 57 N	03 21 W	35	29	1012.7	1017.2	3.9	+ 1.1	6.7	+0.2	10	41	+ 2		73
ESKDALEMUIR	55 19 N	03 12 W	242	29	988.3	1017.8	2.3	+ 0.5	6.2	+0.2	12	109	- 3	3	81
LEEMING	54 18 N	01 32 W	32	29	1014.8	1018.9	3.3		6.4		7	25			
BELFAST/ALDERGROVE AP	54 39 N	06 13 W	68	29	1008.9	1017.4	4.6	+ 0.4	7.4	+0.1	14	88	+ 36	5	78
VALLEY	53 15 N	04 32 W	10	29	1017.6	1019.0	5.3	- 0.1	7.3	-0.5	10	48	- 13	2	94
AUGHTON	53 33 N	02 55 W	56			U									
MANCHESTER AIRPORT	53 21 N	02 16 W	75	29	1009.5	1019.0	3.7	+ 0.3	6.4	-0.6	10	52	- 1	3	63
BIRMINGHAM AP	52 27 N	01 44 W	97	29	1007.7	1020.0	2.9	- 0.2	6.5	-0.2	10	53	+ 8		83
WADDINGTON	53 10 N	00 31 W	68	29	1011.0	1019.9	2.8	- 0.8	6.4	-0.4	9	41	- 1	3	71
LONDON/GATWICK AIRPORT	51 09 N	00 11 W	60	29	1013.4	1020.6	3.9		6.5		9	39			
CRAWLEY	51 05 N	00 13 W	144			U									
CARDIFF-WALES AP	51 24 N	03 21 W	67	29	1012.6	1020.7	4.3		7.2		11	61			
BOURNEMOUTH/HURN AP	50 47 N	01 50 W	11	29	1019.5	1020.8	4.5		7.1		10	37			
PLYMOUTH/MOUNT BATTEN	50 21 N	04 07 W	27	29	1017.7	1023.1	5.9	+ 0.1	7.5	-0.5	10	51	- 26	3	99
IRELAND															
MALIN HEAD	55 22 N	07 20 W	25	29	1013.0	1016.1	5.7	+ 0.3	8.0	+0.7	14	111	+ 44		71
BELMULLET	54 14 N	10 00 W	10	29	1015.6	1016.8	6.7	+ 0.7	8.6		15	79	- 3		71
DUBLIN AIRPORT	53 26 N	06 15 W	81	29	1007.7	1018.3	5.7	+ 0.6	7.7	+0.7	12	59	+ 7		79
SHANNON AIRPORT	52 41 N	08 55 W	7	29	1016.4	1018.9	6.5	+ 1.0	8.4	+0.8	10	93	+ 28		71
CORK AIRPORT	51 51 N	08 30 W	162	29	999.8	1019.8	6.0	+ 0.7	8.3		13	85	- 6		
VALENTIA OBSERVATORY	51 56 N	10 15 W	14	29	1018.1	1019.8	7.4	+ 0.6	9.1	+1.2	13	100	- 7	3	79
DENMARK AND FAROE IS															
THORSHAVN	62 01 N	06 46 W	24	29	1003.3	1006.3	5.2	+ 1.5	8.1		24	178	+ 42	5	37
THORSHAVN	62 01 N	06 46 W	55			U									
ALBORG	57 06 N	09 52 E	3	29	1020.8	1021.2	- 0.2	+ 0.6	5.4		8	27	- 4	3	
KOBENHAVN/JAEGERSBORG	55 46 N	12 32 E	40			U									
KOBENHAVN/LANDBOHOJSKOLEN	55 41 N	12 33 E	5	29	1020.7	1021.3	0.7	+ 0.8	5.7		9	29	- 10	3	60
RONNE	55 04 N	14 45 E	16	29	1020.5	1022.5	0.1	+ 0.7	5.5		6	18	- 21	2	
NORWAY															
BJORNOYA	74 31 N	19 01 E	14	29	1001.2	1002.9	- 1.6	+ 5.3	4.3		16	81	+ 53	6	
BJORNOYA	74 31 N	19 01 E	18			U									
JAN MAYEN	70 56 N	08 40 W	9	29	996.1	997.3	- 1.3	+ 3.9	4.5		21	88	+ 39	5	
VARDO	70 22 N	31 06 E	15	29	1010.1	1011.9	- 2.7	+ 2.5	4.5	+0.7	7	22	- 24	2	
SVALBARD LUFTHAVN	78 15 N	15 28 E	29	29	999.1	1002.7	- 9.1	+ 5.2	2.4		8	35			
TROMSO/LANGNES	69 41 N	18 55 E	10	29	1009.3	1010.3	- 0.2	+ 2.9	4.1	+0.3	11	74	+ 5		83
BODO	67 17 N	14 25 E	13	29	1011.1	1012.7	1.0	+ 3.4	4.8	+0.5	11	65	- 7	3	48
BODO	67 15 N	14 24 E	8			U									
ORLAND	63 42 N	09 37 E	7	29	1014.0	1014.9	1.3	+ 2.1	4.9	0.0	10	61	- 22	3	
ORLAND	63 42 N	09 24 E	10			U									
BERGEN/FREDRIKSBERG	60 24 N	05 19 E	44	29	1012.6	1018.0	1.9	+ 0.6	5.3	-0.2	10	92	- 47	3	73
STAVANGER/SOLA	58 53 N	05 38 E	8	29	1018.0	1019.1	1.0	+ 0.8	5.1	-0.3	8	45	- 14	3	
STAVANGER/SOLA	58 52 N	05 40 E	33			U									

SURFACE DATA

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE: MEAN STATION	PRESSURE: MEAN SEA LEVEL	TEMPERATURE: MEAN	TEMPERATURE: DEPARTURE	VAPOR PRESSURE: MEAN	VAPOR PRESSURE: DEPARTURE	PRECIPITATION: NO. OF DAYS ≥ MM.	PRECIPITATION: TOTAL	PRECIPITATION: DEPARTURE	PRECIPITATION: QUINTILE	SUN-SHINE: PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
NORWAY															
OSLO/BLINDERN	59 56 N	10 44 E	96	29	1009.0	1021.0	- 2.7	+ 1.3	4.3	+0.3	5	20	- 15	2	51
OSLO/GARDERMOEN	60 12 N	11 05 E	203	29	995.7	1021.7	- 4.6	+ 1.7	3.8	+0.3	6	31	- 12	3	
OSLO/GARDERMOEN	60 12 N	11 06 E	201			U									
SWEDEN															
KARESUANDO	68 27 N	22 30 E	327	29	974.4	1015.5	- 8.2	+ 5.7	3.0	+0.9	8	22	+ 4	3	100
HAPARANDA	65 50 N	24 09 E	7	29	1020.4	1021.3	- 6.2	+ 4.7	3.7	+1.0	10	43	+ 7	4	106
STENSELE	65 04 N	17 10 E	327	29	984.4	1019.8	- 5.8	+ 5.2	3.5	+0.8	6	20	- 3	3	
OSTERSUND/FROSON	63 11 N	14 30 E	366	29	973.8	1019.4	- 3.3	+ 3.5	4.1		6	13	- 10	3	102
HARNOSAND	62 38 N	17 57 E	8	29	1020.5	1021.8	- 3.3	+ 2.5	4.2	+0.6	9	40	+ 3	4	93
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	29	1017.2	1023.0	- 2.2	+ 2.2	4.9	+0.8	10	39	+ 14	4	37
JONKOPINGS AIRPORT	57 46 N	14 05 E	232	29	994.0	1022.4	- 3.1	+ 0.7	4.4		5	20	- 15	2	46
GOTEBORG/SAVE	57 47 N	11 53 E	53	29	1015.3	1022.0	- 0.1	+ 1.9	5.2	+0.1	5	33	- 1	3	43
GOTEBORG/LANDVETTER	57 40 N	12 18 E	155			U									
VISBY	57 40 N	18 21 E	47	29	1017.6	1024.0	- 0.9	+ 0.5	4.8	0.0	5	19	- 23	1	79
FINLAND															
SODANKYLA	67 22 N	26 39 E	180	29	996.4	1019.6	- 6.9	+ 6.1	3.2	+0.8	8	24	- 2	3	52
KAJAANI	64 17 N	27 41 E	136	29	1007.7	1025.4	- 7.2	+ 3.3	3.3	+0.6	4	12	- 15	1	49
JYVASKYLA/LUONETJARVI	62 24 N	25 40 E	145	29	1007.1	1026.1	- 7.4	+ 1.8	3.5	+0.4	7	26	- 1	3	69
VAASA	63 03 N	21 46 E	8	29	1021.6	1022.6	- 4.2	+ 3.3	4.1	+0.6	6	23	+ 4	4	50
JOKIOINEN	60 49 N	23 29 E	103	29	1012.7	1026.1	- 5.4	+ 2.4	4.0	+0.5	7	33	+ 6	4	100
TURKU	60 31 N	22 16 E	54	29	1017.8	1025.4	- 4.4	+ 2.2	4.2	+0.5	8	37	+ 10	4	100
HELSINKI/SEUTULA	60 19 N	24 58 E	58	29	1020.0	1027.4	- 5.5	+ 1.9	3.9	+0.3	8	39	+ 6	4	102
FRANCE															
CHERBOURG-MAUPERTUS	49 39 N	01 28 W	138	29	1004.3	1021.1	4.6		6.7		16	81			
BREST/GUIPAVAS	48 27 N	04 25 W	103	29	1009.5	1022.1	5.8	0.0	7.5	-0.5	12	90	- 6	3	102
NANTES	47 10 N	01 37 W	27	29	1019.7	1022.5	5.3	0.0	6.7	-1.1	10	43	- 23	3	120
TRAPPES	48 46 N	02 01 E	168	29	997.5	1021.1	3.2	+ 0.2	6.5	-0.5	12	37	- 8	3	128
PARIS/LE BOURGE	48 58 N	02 27 E	65	29	1013.3	1021.4	4.0	+ 0.2	6.6	-0.3	10	42	- 1	3	124
NANCY/ESSEY	48 41 N	06 13 E	217	29	994.2	1021.2	1.5	- 0.1	5.7	-0.3	10	75	+ 20	4	104
STRASBOURG/ENTZHEIM	48 33 N	07 38 E	154	29	1002.0	1021.3	1.6	+ 0.1	5.7	-0.2	9	30	- 3	3	110
DIJON	47 16 N	05 05 E	227	29	992.9	1021.1	1.9	- 0.7	5.5	-0.6	10	44	+ 2	3	101
BOURGES	47 04 N	02 22 E	166	29	1001.3	1021.7	3.7	- 0.2	6.3	-0.4	11	27	- 23	2	116
LIMOGES/BELLEGARDE	45 52 N	01 11 E	396	29	973.7	1022.3	3.0	- 0.9	6.0	-0.6	10	84	+ 8	3	98
LYON/BRON	45 43 N	04 57 E	201	29	997.1	1021.7	3.4	+ 0.1	6.2	-0.1	7	42	- 4	3	96
LYON/SATOLAS	45 44 N	05 05 E	240			U									
BORDEAUX/MERIGNAC	44 50 N	00 42 W	51	29	1015.9	1022.9	5.2	- 0.7	7.7	-0.1	12	92	+ 17	3	117
TOULOUSE/BLAGNAC	43 38 N	01 22 E	153	29	1004.2	1022.6	5.0	- 0.4	7.1	-0.1	9	42	- 4	3	105
PERPIGNAN	42 44 N	02 52 E	48	29	1014.9	1020.2	7.9	- 0.5	6.6	-0.8	7	46	- 6	4	88
NIMES/COURBESSAC	43 52 N	04 24 E	62	29	1012.3	1019.4	5.9	- 0.9	5.8	-0.9	6	39	+ 3	3	94
MARSEILLE/MARIGNANE	43 27 N	05 13 E	8	29	1018.8	1019.0	5.6	- 1.0	6.5	-0.7	6	47	+ 15	4	89
NICE/COTE DAZUR	43 39 N	07 12 E	10	29	1015.6	1016.6	7.8	- 0.7	6.0	-2.0	5	19	- 42	2	103
AJACCIO/CAMPO DEL ORO	41 55 N	08 48 E	9	29	1014.7	1015.3	7.3	- 1.4	7.9	-1.1	11	98	+ 33	4	91
BELGIUM															
UCCLE	50 48 N	04 21 E	104	29	1007.0	1019.5	2.7		6.3		11	78		4	117
NETHERLANDS															
DE BILT	52 06 N	05 11 E	4	29	1019.4	1019.9	2.0	0.0	6.2	-0.1	9	70	+ 19	4	113
LUXEMBOURG															
LUXEMBOURG AP	49 37 N	06 13 E	378	29	973.2	1020.7	0.4	- 0.6	5.3	-0.5	12	90	+ 27	5	125
SWITZERLAND															
SANTIS	47 15 N	09 21 E	2500	29	744.0	2965 Z	-11.0	- 2.0	2.0	-0.4	13	245	+ 65	4	116
ZURICH/TOWN/VILLE/	47 23 N	08 34 E	569	29	951.9	1021.6	- 0.5	- 0.8	4.8	+0.1	12	62	- 8	3	70
GENEVE/COINTRIN	46 15 N	06 07 E	430	29	970.2	1021.3	1.5	+ 0.1	5.0	-0.8	8	103	+ 42	5	53
PAYERNE/ STN. AEROLOGICAL	46 49 N	06 57 E	491			U									
LUGANO	46 00 N	08 58 E	276	29	985.9	1019.8	3.5	- 0.1	5.0	-0.1	6	64	- 3	3	69
FEDERAL REP OF GERMANY															
SCHLESWIG	54 32 N	09 33 E	48	29	1014.8	1020.9	0.4	+ 0.3	5.6	-0.1	8	37	- 19	2	106
HAMBURG/FUHLSBUTTEL	53 38 N	09 59 E	16	29	1019.1	1021.2	0.7	+ 0.4	5.7	0.0	7	44	- 3	3	102
EMDEN-HAFEN	53 20 N	07 12 E	12	29	1018.2	1019.7	1.2	- 0.1	5.8	-0.5	9	41	- 8	3	133
HANNOVER	52 28 N	09 42 E	54	29	1014.0	1020.8	0.9	+ 0.4	5.8	+0.1	9	42	- 4	3	102
BERLIN/TEMPELHOF	52 28 N	13 24 E	49	29	1015.2	1021.4	0.5	+ 0.3	5.3	+0.2	8	35	- 2	3	101
KASSEL	51 19 N	09 29 E	163	29	991.2	1020.3	0.5	+ 0.1	5.2	-0.4	7	62	+ 19	4	106
ESSEN	51 24 N	06 58 E	161	29	999.6	1019.7	2.0	+ 0.1	5.8	-0.3	9	79	+ 8	4	156
GEISENHEIM	49 59 N	07 58 E	120	29	1005.0	1020.0	1.9	+ 0.2	5.5	-0.2	10	60	+ 25	5	117
NURNBERG	49 30 N	11 05 E	312	29	981.6	1020.5	- 0.3	+ 0.1	5.1	-0.1	10	58	+ 19	4	111
STUTTGART/CANNSTATT	48 50 N	09 12 E	315	29	981.2	1020.3	0.7	- 0.6	5.4	-0.1	11	45	+ 5	3	103
MUNCHEN/RIEM	48 09 N	11 43 E	529	29	955.8	1021.3	- 2.6	- 1.4	4.6	-0.3	10	45	- 10	3	107
MUNCHEN/OBERSCHLEISSHEIM	48 15 N	11 33 E				U									
KONSTANZ	47 41 N	09 11 E	447	29	965.6	1020.7	- 0.1	- 0.3	5.1	-0.5	12	58	+ 12	4	128
ZUGSPITZE	47 25 N	10 59 E	2962	29	699.4	2956 Z	-14.0	- 2.4	1.8	-0.1	15	265	+105		120
GERMAN DEMOCRATIC REP															
WARNEMUNDE	54 11 N	12 05 E	10	29	1020.1	1021.3	0.5	+ 0.4	5.6	0.0	7	26	- 6	2	112

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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		%
EUROPE															
GERMAN DEMOCRATIC REP															
GREIFSWALD	54 06 N	13 23 E	5	29	1020.9	1021.7	- 0.2	+ 0.4	5.2	-0.3	7	29	- 4	2	91
POTSDAM	52 23 N	13 04 E	94	29	1009.6	1021.5	0.0	+ 0.3	5.1	-0.2	8	31	- 8	3	111
LINDENBERG	52 13 N	14 07 E	100			U									
LINDENBERG	52 13 N	14 07 E	99	29	1007.3	1021.5	- 0.1	+ 0.7	5.2	0.0	7	36	- 3	3	120
LEIPZIG-SCHKEUDITZ	51 25 N	12 14 E	133	29	1004.3	1021.1	0.1	+ 0.4	5.4	+0.1	9	33	- 3	3	109
WAHNSDORF	51 07 N	13 41 E	232			U									
DRESDEN-KLOTZSCHE	51 08 N	13 46 E	226	29	992.9	1021.4	- 0.1	+ 0.6	5.3	+0.2	10	41	+ 5		126
GORLITZ	51 10 N	14 57 E	238	29	991.7	1021.7	- 0.7	+ 0.9	4.8	+0.3	9	31	- 11	2	130
ERFURT-BINDERSLEBEN	50 59 N	10 58 E	323	29	980.9	1021.5	- 1.0	- 0.2	4.9	-0.3	11	49	+ 18	5	95
MEININGEN	50 33 N	10 22 E	456	29	964.9	1021.3	- 1.9	- 0.3	4.3	-0.7	12	73	+ 32		
FICHTELBERG	50 26 N	12 57 E	1215	29	876.2	1452 Y	- 6.5	- 1.1	3.7	-0.3	13	101	+ 9	4	125
AUSTRIA															
ST. POLTEN	48 12 N	15 38 E	282	29	986.7	1021.5	- 0.1	+ 0.6	4.8	0.0	6	23	- 15	2	109
WIEN/HOHE-WARTE	48 15 N	16 22 E	212	29	995.9	1021.4	0.6	+ 0.2	4.9	+0.2	10	57	- 14	4	59
SALZBURG-FLUGHAFEN	47 48 N	13 00 E	450	29	968.0	1021.5	- 1.6	+ 0.5	4.4	-0.2	12	59	- 11	3	83
INNSBRUCK-FLUGHAFEN	47 16 N	11 21 E	598	29	950.0	1021.5	- 1.9	- 1.4	4.4	0.0	12	88	+ 36	5	100
KLAGENFURT-FLUGHAFEN	46 39 N	14 21 E	452	29	965.8	1021.4	- 1.5	+ 1.1	4.1	0.0	9	71	+ 29	4	64
GRAZ-THALERHOF-FLUGHAFEN	47 00 N	15 27 E	347	29	979.1	1021.7	- 0.9	+ 0.4	4.9	+0.5	11	91	+ 56	5	54
SONNBLICK	47 03 N	12 57 E	3107	29	686.7	2952 Z	-15.4	- 2.7	1.4	-0.3	17	125	+ 2	4	63
CZECHOSLOVAKIA															
CHEB	50 05 N	12 24 E	471	29	962.4	1021.0	- 2.2	- 0.3	4.5	-0.4	10	45	+ 9	4	117
PRAHA/RUZYNE	50 06 N	14 17 E	381	29	975.1	1021.4	- 1.8	- 0.2	4.7	-0.1	8	30	+ 6	4	94
LIBUS	50 00 N	14 27 E	305	29	983.4	1021.5	- 0.4	+ 1.2	4.9	+0.1	6	28	+ 4		
BRNO/TURANY	49 09 N	16 42 E	246	29	991.2	1022.3	- 0.6	+ 0.4	4.9	+0.1	9	44	+ 20	5	89
OSTRAVA/MOSNOV	49 47 N	18 62 E	256	29	989.8	1022.0	- 1.0	+ 0.4	4.8	0.0	9	29	0	3	53
SLIAC	48 38 N	19 09 E	318	29	982.4	1022.3	- 1.1	+ 1.1	4.7	+0.2	12	68	+ 22	4	72
POPRAD/TATRY	49 04 N	20 15 E	709	29	935.8		- 3.9		2.9	-1.0	3	10	+ 15	1	75
POPRAD/GANOVCE	49 02 N	20 19 E	706			U									
HUNGARY															
MISKOLC	48 08 N	20 48 E	120	29	1006.8	1022.3	0.2	+ 1.3	5.2	+0.1	4	12	- 19	2	
BUDAPEST/METEOROLOGIA	47 31 N	19 02 E	130	29	1005.2	1021.4	1.9	+ 1.1	5.6	+0.4	6	25	- 19	2	65
BUDAPEST/LORINC	47 26 N	19 11 E	140	29	1003.8	1017.1	1.1	+ 1.1	5.3	+0.1	5	21	- 22	2	58
DEBRECEN	47 29 N	21 38 E	114	29	1006.9	1021.9	0.7	+ 1.3	5.6	+0.5	5	24	- 11	3	71
PECS	46 00 N	18 14 E	202	29	995.3	1020.8	- 0.1	- 0.4	5.3	-0.2	7	18	- 28	2	35
SZEGED	46 15 N	20 06 E	84	29	1010.7	1021.3	0.6	+ 0.7	5.5	-0.1	3	15	- 22	1	57
POLAND															
SZCZECIN-DABIE	53 24 N	14 37 E	7	29	1021.3	1021.7	- 0.2	+ 1.5	5.3	+0.3	6	26	0		
KOSZALIN	54 12 N	16 11 E	34			U									
GDANSK-SWIBNO	54 20 N	18 56 E	9	29	1022.7	1023.8	- 1.2	+ 0.7	4.8	+0.1	5	13	- 11		
POZNAN-LAWICA	52 25 N	16 50 E	92	29	1011.0	1022.7	- 0.6	+ 1.9	4.9	+0.1	6	13	- 14		141
LEGIONOWO	52 24 N	20 58 E	104			U									
WARSZAWA-OKECIE	52 09 N	20 59 E	107	29	1010.8	1024.5	- 1.7	+ 1.6	4.7	+0.2	5	16	- 12		
BIALYSTOK	53 06 N	23 10 E	151	29	1006.5	1026.0	- 3.5	+ 1.2	4.1	0.0	5	13	- 23		125
WROCLAW II-STRACHOWICE	51 06 N	16 53 E	124	29	1007.1	1022.4	- 0.4	+ 1.7	5.0	-0.2	7	16	- 7		122
WROCLAW I-MALY GADOW	51 08 N	16 59 E	119			U									
KRAKOW/BALICE	50 05 N	19 48 E	237	29	992.8	1023.0	- 1.6	+ 1.2	4.5	0.0	3	17	- 13		79
PRZEMYSL	49 48 N	22 46 E	280	29	989.2	1024.9	- 2.9	- 0.2	4.4	+0.1	2	11	- 19		
GIBRALTAR															
NORTH FRONT	36 09 N	05 21 W	3	29	1021.7	1022.1	13.7	+ 0.5	10.7	-0.5	4	65	- 36	3	120
PORTUGAL															
LAJES /ACORES/	38 45 N	27 05 W	54			U									
HORTA/ACORES	38 51 N	28 38	62	29	1017.0	1024.5	14.2	- 0.1	12.5	-0.7	11	138	+ 32	4	98
PONTA DELGADA/ACORES	37 45 N	25 40 W	36	29	1020.9	1025.3	14.1	- 0.1	12.6	-0.5	6	89	- 11	3	112
SANTA MARIA /ACORES/	36 58 N	25 10 W	100	29	1013.4	1025.6	13.8	- 0.2	12.1	-1.0	14	60	- 30		
PORTO/SERRA DO PILAR	41 08 N	08 36 W	100	29	1011.8	1024.1	9.3	- 0.3	8.4	-0.8	7	54	- 58	3	104
LISBOA	38 43 N	09 09 W	95	29	1013.1	1024.6	11.9	+ 0.3	9.2	-0.9	2	11	- 65	1	112
LISBOA/GAGO CONTINHO	38 46 N	09 08 W	104			U									
CAPE VERDE															
SAL	16 44 N	22 57 W	55		1007.9	1014.4	20.4		16.3		0	0		4	40
MADEIRA															
FUNCHAL	38 38 N	16 54 W	56	29	1016.1	1022.8	15.2	- 0.4	12.3	-0.3	3	46	- 39	3	101
SPAIN															
LA CORUNA	43 22 N	08 25 W	67	29	1016.9	1025.1	9.5	- 0.3	9.1	-0.5	12	66	- 14	3	80
VALLADOLID	41 39 N	04 43 W	715	29	940.8	1023.3	5.4	+ 0.2	5.9	-0.8	3	13	- 15	2	105
ZARAGOZA	41 39 N	00 53 W	233	29	993.4	1020.5	7.6	0.0	6.9	-0.2	9	22	+ 6	4	
MADRID/BARAJAS	40 28 N	03 34 W	606			U									
MADRID/RETIRO	40 24 N	03 41 W	657	29	944.3	1023.2	6.8	+ 0.3	5.6	-1.2	2	37	+ 3	4	110
BADAJOZ	38 53 N	06 58 W	195	29	999.3	1022.9	9.4	- 0.5	8.3	-0.9	3	13	- 34	2	105
SEVILLA/TABLADA	37 22 N	06 00 W	13	29	1021.8	1023.5	11.2	- 0.4	9.0	-1.4	4	28	- 31	2	125
ALICANTE	38 22 N	00 30 W	82	29	1010.6	1020.4	11.7	0.0	7.6	-1.3	2	22	+ 1	4	90
BARCELONA	41 24 N	02 09 E	95	29	997.9	1019.5	9.4	- 0.9	7.8	-0.9	6	39	- 1	4	
PALMA DE MALLORCA	39 34 N	02 39 E	17	29	1018.7	1019.4	11.1	+ 0.6	9.1	-1.2	5	52	+ 19	5	75
PALMA/SON BONET	39 36 N	02 42 E	45			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															
SPAIN															
MAHON, MENORCA/SAN LUIS	39 52 N	04 16 E	59	29	1008.6	1018.7	9.4	- 1.1	8.4	-1.5	11	95	+ 51	5	80
ITALY															
UDINE/CAMPOFORMIDO	46 02 N	13 11 E	94			U									
MILANO/LINATE	45 26 N	09 17 E	103	29	1005	1019	2.5	- 0.6	5.9	-0.5	8	63	+ 14	4	95
VERONA/VILLAFRANCA	45 23 N	10 52 E	68	29	1010	1019	3.4	+ 0.6	5.6	-0.6	5	15	- 28	2	
UDINE RIVOLTO	45 59 N	13 02 E	53	29	1012	1018	4.0		5.4		9	110			
PISA/S. GIUSTO	43 40 N	10 23 E	1	29	1016	1016	5.8	- 2.0	6.4	-1.7	7	25	- 56	2	105
ROMA/FIUMICINO	41 48 N	12 14 E	3	29	1014	1014	7.5	- 1.5	8.1	-0.9	9	150	+ 77	5	
NAPOLI/CAPODICHINO	40 51 N	14 18 E	72	29	1006	1015	8.2	- 0.7	8.8	0.0	13	166	+ 77	5	83
TRIESTE	45 39 N	13 45 E	20	29	1015	1018	5.1	- 0.5	5.6	-0.6	7	78	+ 7	4	98
VENEZIA/TESSERA	45 30 N	12 20 E	6	29	1018	1018	3.3	- 0.4	6.0	-0.4	7	56	+ 2	4	206
FALCONARA	43 37 N	13 22 E	10	29	1016	1016	5.0		7.3		11	63			
PESCARA	42 26 N	14 12 E	16	29	1014	1015	5.6	- 1.5	7.1	-0.9	11	76	+ 32	5	31
MARINA DI GINOSA	40 26 N	16 53 E	12	29	1014	1016	8.6	- 1.1	9.0	-0.1	5	36	+ 7	4	
BRINDISI	40 39 N	17 57 E	10	29	1012	1013	9.6	+ 0.1	10.1	+0.8	12	177	+ 55	5	50
ALGHERO	40 38 N	08 17 E	40	29	1014	1016	8.7	- 0.9	9.2	-0.6	11	79	+ 37	4	93
CAGLIARI/ELMAS	39 15 N	09 03 E	18	29	1015	1016	8.5	- 1.3	9.2	-0.6	9	86	+ 47	5	91
TRAPANI/BIRGI	37 55 N	12 30 E	14	29	1014	1015	11.1	0.0	11.2	+0.7	11	93	+ 41	5	68
CATANIA/FONTANAROSSA	37 28 N	15 03 E	17	29	1013	1015	9.3	- 1.4	9.7	-0.2	8	58	+ 17	4	
MESSINA	38 12 N	15 33 E	51	29	1007	1014	11.4	0.0	9.7	-0.3	10	83	- 17	3	60
MALTA															
LUQA	35 51 N	14 29 E	72	29	1006.9	1015.7	11.8	- 0.6			8	33	- 13	2	82
QRENDI	35 50 N	14 26 E	136			U									
YUGOSLAVIA															
ZAGREB/GRIC	45 49 N	15 59 E	163	29	1000.5	1020.9	1.2	- 1.0	5.3		11	54	0	4	46
ZAGREB/MAKSIMIR	45 49 N	16 02 E	128			U									
BEOGRAD	44 48 N	20 28 E	132	29	1003.5	1020.2	1.3	- 0.3	5.4		8	78	+ 32	5	54
BEOGRAD/ZELENO BRDO	44 47 N	20 32 E	243			U									
SARAJEVO	43 52 N	18 26 E	637	29	942.3	1020.0	0.4	0.0	4.9		14	72	+ 3	4	46
SPLIT/MARJAN	43 31 N	16 26 E	128	29	1000.0	1020.1	7.0	- 0.9	5.9		10	98	+ 24		
TITOGRAD/GOLUBOVCI	42 22 N	19 15 E	33	29	1010.3	1016.8	6.4	- 0.3	7.2		14	161	- 12	3	48
SKOPJE-PETROVAC	41 57 N	21 38 E	233	29	989.8	1019.6	3.4	+ 1.0	6.5		9	90	+ 58	5	
BULGARIA															
LOM	43 49 N	23 14 E	33		1019.1	1023.4	0.2		5.7		16	97		5	
SOFIA OBS.	42 49 N	23 23 E	588		948.7	1022.0	- 0.2		5.1		7	22		4	
VARNA	43 12 N	27 55 E	41		1018.1	1023.2	2.3		6.4		5	42		4	
BOURGAS	42 99 N	27 29 E	28		1019.1	1022.7	3.0		6.9		7	32		3	
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		1020.9	1021.4	6.8	- 0.1	6.6	-0.6	6	51	-163	1	35
SAMSUN	41 17 N	36 20 E	44		1020.7	1021.1	7.1	+ 0.3	8.2	+1.3	7	62	- 9	3	36
EDIRNE	41 40 N	26 34 E	48		1020.9	1021.4	6.8	- 0.1	6.6	-0.6	6	51	-163	1	35
ISTANBUL/GOZTEPE	40 58 N	29 05 E	40		1015.7	1020.6	6.3	+ 0.7	7.6	+0.3	6	43	- 37	1	10
BURSA	40 11 N	29 04 E	100		1007.8	1020.1	7.2	+ 1.1	7.8	+0.9	6	64	- 22	2	13
CANAKKALE	40 08 N	26 24 E	3		1018.8	1019.1	6.9	+ 0.2	8.7	+1.1	10	99	+ 26		19
IZMIR	38 26 N	27 10 E	25		1013.7	1016.7	9.7	+ 0.5	9.8	+1.5	10	100	- 1	4	32
ANTALYA	36 42 N	30 44 E	50		1011.0	1016.2	10.7	+ 0.1	10.0	+1.1	8	53	- 90	1	55
ADANA INCIRLIK	37 00 N	35 25 E	66		1015.1	1017.5	12.5	+ 2.3	9.0	+0.6	7	85	- 8	3	54
KASTAMONU	41 22 N	33 46 E	799		925.4	1020.5	2.3	+ 1.8	5.6	+0.5	3	15	- 12	2	31
ANKARA/CENTRAL	39 57 N	32 53 E	894		914.7	1019.9	4.3	+ 3.2	5.8	+0.6	9	24	- 12	2	35
SIVAS	39 45 N	37 01 E	1285		872.3	1021.4	1.3	- 1.6	4.8	+0.7	6	20	- 22	1	35
ERZINCAN	39 44 N	39 30 E	1215		880.7	1022.4	1.4	+ 3.5	4.2	+0.2	2	7	- 28	0	40
ERZURUM	39 55 N	41 16 E	1869		812.8	1028.1	- 7.3	- 0.3	2.8	-0.1	4	28	+ 4	3	47
AFYON	38 45 N	30 32 E	1034		898.6	1019.0	3.8	+ 2.1	5.4	+0.1	8	41	- 5	3	29
ISPARTA	37 45 N	30 33 E	997		902.3	1018.7	4.4	+ 1.7	6.0	+0.3	7	63	- 13	3	45
KONYA	37 58 N	32 33 E	1022		898.9	1018.7	4.3	+ 2.7	5.8	+0.7	3	33	+ 1	4	47
URFA	37 08 N	38 46 E	547		954.9	1019.9	8.3	+ 1.7	6.3	0.0	6	23	- 43		56
MALATYA/ERHAC	38 26 N	38 05 E	849		906.0	1023.1	4.2	+ 3.8	4.9	+0.1	3	14	- 32	1	52
DIYARBAKIR	37 53 N	40 11 E	677		940.8	1019.7	5.7	+ 2.1	6.5	+0.8	5	26	- 39	1	58
VAN	38 27 N	43 19 E	1661		834.6	1025.8	- 2.8	+ 0.4	3.9	+0.3	5	18	- 18		50
USSR															
KAUNAS	54 53 N	23 53 E	75		1017.3	1027.4	- 4.1		3.5		5	20			
MINSK	53 52 N	27 32 E	234		1001.0	1031.1	- 7.1		2.9		6	31		3	155
KIROV	58 39 N	49 37 E	164		1021.4	1043.8	-11.9		2.1		1	2		1	170
MOSKVA	55 45 N	37 34 E	156		1020.1	1041.0	-10.3		2.1		0	2			
KAZAN	55 47 N	49 11 E	64		1018.6	1044.9	-13.3		2.0		0	T			41
VORONEZ	51 42 N	39 10 E	164		1020.3	1040.3	-12.4		1.8		0	1		1	

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
USSR															
SARATOV	51 34 N	46 02 E	156		1016.9	1044.2	-15.2		1.6		0	0		1	155
LVOV	49 49 N	23 57 E	325		984.3	1024.7	- 3.4		4.4		7	33			
KIEV	50 24 N	30 27 E	179		1008.2	1030.0	- 5.9		3.2		11	56		4	
HAR KOV	49 56 N	36 17 E	152		1013.8	1033.8	- 8.6		2.3		3	17			115
ODESSA	46 29 N	30 38 E	64		1019.8	1025.2	- 1.9		4.8		10	68		6	
SIMFEROPOL	45 01 N	33 59 E	205		997.1	1022.7	0.2		5.4		7	25			105
ROSTOV-NA-DONU	47 15 N	39 49 E	77		1022.2	1031.0	- 5.4		2.5		3	15			38
ASTRAHAN	46 16 N	48 02 E	18			1036.6	- 7.9		2.0		0	1		1	
PJATIGORSK	44 03 N	43 02 E			962.0	1030.1	- 6.3		3.3		14	27		5	
TBILISI	41 41 N	44 57 E	490		975.3	1030.1	- 0.7		4.7		8	53		5	10
AFRICA															
MOROCCO															
KENITRA II	34 18 N	06 36 W	12			U									
CASABLANCA	33 34 N	07 40 W	58		1014.7	1022.3	12.3		11.9		3	12		1	135
AGADIR	30 23 N	09 34 W	19		1017.5	1020.3	13.1		11.2		0	T		1	110
MEKNES	33 53 N	05 32 W	549		957.5	1022.6	10.0		9.7		4	18		2	110
MARRAKECH	31 37 N	08 02 W	466		966.2	1021.3	13.4		7.3		0	T		1	130
OUARZAZATE	30 56 N	06 54 W	1136		887.3	1536 Y	12.5		4.3		0	0		2	90
SPANISH CANARY IS															
SANTA CRUZ DE TENERIFE	28 27 N	16 15 W	46		1016.5	1021.1	17.5		13.5		1	1		1	90
ALGERIA															
ALGER/DAR EL BEIDA	36 43 N	03 15 E	25		1016.8	1019.8	10.2		9.5		10	81		3	40
CONSTANTINE	36 17 N	06 37 E	697		937.2	1019.7	5.9		7.1		14	164			
BECHAR	31 37 N	02 14 W	786		926.9	1524 Y	11.6		4.3		0	0		2	85
GHARDAIA-NOUMERPATE	32 23 N	03 49 E	442		963.3	1020.4	12.2		5.2		0	0			
IN SALAH	27 12 N	02 28 E	294		984.5		15.6		5.8		0	0			85
TAMANRASSET	22 47 N	05 31 E	1378		864.3	1519 Y	13.7		3.0		0	0		4	110
DJANET	24 33 N	09 28 E	1054		898.6	1518 Y	13.9		4.2		0	0			100
TUNISIA															
TOZEUR	33 55 N	08 10 E	51			U									
LIBYAN ARAB REP															
TRIPOLI INTL. AP	32 41 N	13 10 E	84	29	1007.5	1017.1	12.2		9.3		6	51			79
BENINA	32 05 N	20 16 E	132	29	1001.9	1017.6	12.9		10.7		8	57			112
GIALO	29 02 N	21 34 E	62	29	1013.6	1020.0	13.3		6.8		0	0			112
KUFRA	24 13 N	23 18 E	408	29	970.0	1017.7	14.9		4.1		0	0			106
EGYPT															
MERSA MATRUH	31 20 N	27 13 E	30		1015.1	1018.5	14.3		11.3		2	6			125
HELWAN	29 52 N	31 20 E	141		1000.9	1018.0	15.1		8.1		0	0			110
ASSWAN	23 58 N	32 47 E	194		992.1	1014.9	18.9				0	0			
MAURITANIA															
NOUADHIBOU	20 56 N	17 02 W	3		1016.0	1016.5	19.2		12.1		0	0		3	
NOUAKCHOTT	18 06 N	15 57 W	3		1013.4	1013.8	23.7		6.0		0	0			
BIR MOGHREIN	25 14 N	11 37 W	360		976.4	1017.8	18.6		11.6		0	0			
ATAR	20 31 N	13 04 W	224		899.8	1015.7	22.4		9.5		0	0			
AKJOUJT	19 45 N	14 22 W	120		1025.1	1025.4	29.8		7.8		0	0			
BOUTILIMIT	17 32 N	14 41 W	75		1005.3	1013.9	24.3		4.6		0	0			
TIDJIKJA	18 34 N	11 26 W	402		969.4	1015.2	21.4		3.8		0	0			
KIFFA	16 38 N	11 24 W	115		999.4	1012.6	23.9		4.0		0	0			
AIOUN EL ATROUSS	16 42 N	09 36 W	223		987.2	1012.7	23.1		3.3		0	0			
SENEGAL															
SAINT-LOUIS	16 03 N	16 27 W	4		1011.6	1012.1	24.3		9.2		0	0		4	
DAKAR/YOFF	14 44 N	17 30 W	24		1008.2	1011.5	20.8		15.7		0	0		4	
DIOURBEL	14 39 N	16 14 W	9		1010.2	1011.2	26.4		12.3		0	0		4	
KAOLACK	14 08 N	16 04 W	7		1010.7	1011.5	36.6		17.2		0	0		5	
ZIGUINCHOR	12 33 N	16 16 W	23		1007.3		25.9		12.6		0	0		5	
PODOR	16 38 N	14 56 W	7		1012.6	1013.4	25.3		7.0		0	0		4	
LINGUERE	15 23 N	15 07 W	21		1008.7	1011.0	25.9		8.0		0	0		4	
MATAM	15 38 N	13 15 W	17		1009.6	1011.5	26.6		5.9		0	0		5	
TAMBACOUNDA	13 46 N	13 41 W	50		1004.6	1010.3	27.6		5.1		0	0		5	
KOLDA	12 53 N	14 58 W	10				22.6				0	0		5	
GUINEA-BISSAU															
BISSAU AIRPORT	11 53 N	15 39 W	36		1008.6	1011.1	27.4		15.2		0	0		1	
MALI															
MENAKA	15 52 N	02 13 E	278		980.4	1011.7	24.7		5.0		0	0		5	105
GAO	16 16 N	00 03 W	260		982.6	1012.0	24.0		4.7		0	0			105
NARA	15 10 N	07 17 W	265		982.1	1012.1	24.2		6.1		0	0			
HOMBORI	15 20 N	01 41 W	288		979.0	1024.2	25.7		4.3		0	0		4	
TOMBOUCTOU	16 43 N	03 00 W	264		982.0	1012.2	21.6		4.9		0	0		4	95
MOPTI	14 31 N	04 06 W	272		980.8	1011.4	25.2		0.6		0	0		5	135
NIORO DU SAHEL	15 14 N	09 21 W	237		984.4	1011.3	24.0		4.2		0	0		4	
KAYES	14 26 N	11 26 W	47		1005.8	1011.1	26.7		5.3		0	0		1	120

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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															
MALI															
KENIEBA	12 51 N	11 14 W	132		994.6	1009.4	29.6		7.3		0	0		4	95
KITA	13 04 N	09 27 W	329		972.9	1010.0	26.8		4.6		0	0		5	105
BAMAKO/SENOU	12 32 N	07 57 W	381		966.7	1009.1	26.9		7.2		0	0			
SEGOU	13 24 N	06 09 W	289		978.1	1010.4	25.3		7.2		0	0		0	20
SAN	13 20 N	04 50 W	284		979.1	1010.9	25.7		10.8		0	0		4	
KOUTIALA	12 23 N	05 28 W	367		968.0	1008.9	25.2		5.6		0	0		6	
BOUGOUNI	11 25 N	07 30 W	351		970.5	1009.2	26.6		7.0		0	0		4	
SIKASSO	11 21 N	05 41 W	375		967.5	1009.2	25.8		8.4		0	0		1	40
NIGER															
AGADEZ	16 58 N	07 59 E	503		954.8	1011.4	21.7		4.9		0	0		5	105
N GUIGMI	14 15 N	13 07 E	286		977.9	1010.5	23.3		6.5		0	0		5	95
MAINE-SORDA	13 14 N	11 59 E	339		972.1	1010.1	23.8		3.8		0	0		5	95
ZINDER-AERO	13 47 N	08 59 E	453		960.2	1011.0	23.6		4.3		0	0		5	100
MAGARIA	12 59 N	08 56 E	403				22.2		5.8		0	0		5	
MARADI	13 28 N	07 05 E	369		968.5	1010.4	23.8		4.2		0	0		5	95
BIRNI-N KONNI	13 48 N	05 15 E	274		979.4	1010.0	25.8		7.2		0	0		5	95
TAHOUA	14 54 N	05 15 E	387		967.0	1010.8	24.6		3.3		0	0		5	105
TILLABERY	14 12 N	01 27 E	210		985.9	1009.6	26.1		6.5		0	0		5	100
NIAMEY-AERO	13 29 N	02 10 E	234		984.5	1010.0	25.9		4.8		0	0		5	100
GAYA	11 53 N	03 27 E	203		984.7	1007.3	28.1		6.8		0	0		5	95
GAMBIA															
BATHURST/YUNDUM	13 21 N	16 40 W	26		1006.7	1010.3	26.2		6.3		0	0		0	
SIERRA LEONE															
LUNGI	08 37 N	13 12 W	27	29	1006.4	1009.3	27.5	+ 0.4	25.4	-2.2	0	0	- 4		73
NJALA	08 06 N	12 06 W	56	29	999.8	1006.0	27.0	- 0.3	19.9	-7.2	1	2	- 17		75
BO	07 57 N	11 46 W	93	29	1000.0	1011.0	26.2	- 1.1	22.5	-3.9	1	6	- 16		88
KABALA	09 35 N	11 33 W	464	29	956.9	1008.8	26.6	- 0.3	12.5	-7.4	1	1	- 11		125
DARU	07 59 N	10 51 W	186	29	987.1	1008.3	26.5	- 0.6	20.6	-4.6	1	35	+ 2		111
LIBERIA															
ROBERTS FIELD	06 15 N	10 21 W	12	29	1007.8	1008.8	26.3	- 0.1	26.7	-1.0	2	52	+ 68		
IVORY COAST															
KORHOGO	09 25 N	05 37 W	382				28.7		16.5		0	0			
MAN	07 23 N	07 31 W	340				25.2		18.4		2	10			
BOUAKE	07 44 N	05 04 W	376		966.8	1007.8	28.3		14.8			2			
BONDOUKOU	08 03 N	02 47 W	371		966.5	1007.6	28.3		14.3		0	0			
GAGNOA	06 08 N	05 57 W	214		984.8	1008.6	26.9		25.1		10	49			
DALOA	06 52 N	06 28 W	276		978.2	1008.5	27.6		19.9		2	0			
DIMBOKRO	06 39 N	04 42 W	92		998.0	1008.3	29.1		22.4			1			
YAMOUSSOUKRO	06 54 N	05 21 W			984.1	1007.8	27.3		19.8		2	31			
TABOU	04 25 N	07 22 W	10		1006.5	1008.8	26.1		29.1		6	40		3	
SAN PEDRO	04 45 N	06 49 W	31		1005.0	1008.3	26.1		29.5		2	8			
SASSANDRA	04 57 N	06 05 W	66				26.6		29.6		3	31			
ABIDJAN	05 15 N	03 56 W	11		1007.5	1008.4	26.1		31.4		5	58		2	
ADIAKE	05 18 N	03 18 W	40				27.1		29.1		2	31			
UPPER VOLTA															
DORI	14 02 N	00 03 E	275		979.6	1010.9	24.5		6.7		0	0		4	
OUAHIGOUYA	13 35 N	02 26 W	324		972.5	1010.1	25.9		4.3		0	0		4	
OUAGADOUGOU	12 21 N	01 31 W	304		975.4	1009.6	26.3		6.3		0	0		4	110
FADA N GOURMA	12 04 N	00 21 E	309		972.9	1009.4	26.9		7.5		0	0		4	
DORDMO	11 40 N	02 55 W	271		979.1	1009.4	26.9		6.4		0	0		4	
BOBO-DIOULASSO	11 10 N	04 18 W	467		958.5	1009.3	26.8		5.5		0	0		4	
GAOUA	10 20 N	03 11 W	333		971.5	1008.6	28.2		7.5		0	0		2	
GHANA															
KUMASI	06 43 N	01 36 W	293		975.9	1008.1	28.7		19.0		1	9		1	50
BENIN															
KANDI	11 08 N	02 56 E	292	29	976.5	1008.9	26.8	- 0.9	5.5	-4.7	0	0	- 2	4	
NA TITINGOU	10 19 N	01 23 E	461	29	958.2	1008.5	27.5	- 1.0	8.1	-3.7	0	0	- 5	3	
PARAKOU	09 21 N	02 37 E	393	29	965.2	1008.2	28.4	- 0.3	16.5	+1.0	0	0	- 13	3	
SAVE	07 59 N	02 26 E	200	29	985.9	1008.0	29.6	+ 0.2	19.1	-3.1	0	0	- 18	2	
BOHICON	07 10 N	02 04 E	167	29	989.9	1008.5	28.9	- 0.6	24.3	-1.6	0	0	- 32	1	
COTONOU	06 21 N	02 23 E	6	29	1007.5	1008.5	28.6	+ 0.3	29.6	-1.7	0	0	- 39	1	
TOGO															
MANGO	10 22 N	00 28 E	146		991.6	1007.9	28.7		9.2		0	0		3	
SOKODE	08 59 N	01 08 E	403		964.8	1008.1	28.0		11.6		0	0		2	
ATAKPAME	07 35 N	01 07 E	402		964.0	1007.9	28.1		18.2		0	0		1	
LOME	06 10 N	01 15 E	25		1005.9	1008.7	28.3		28.0		1	2		2	100
UNITED REP OF CAMEROON															
DOUALA R.S.	04 01 N	09 42 E	15			U									
GABON															
BITAM	02 05 N	11 29 E	599		942.0	1007.9	24.0		24.4		9	107			
MITZIC	00 47 N	11 32 E	583		943.6	1007.7	24.2		25.3		6	76			

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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		%
AFRICA															
GABON															
MAKOKOU	00 34 N	12 52 E	515		951.5	1008.3	24.7		25.1		11	145			
LASTOURSVILLE	00 50 S	12 43 E	485		955.0	1008.2	24.8		25.5		12	144			
MOANDA	01 32 S	13 16 E	573		942.1	1004.9	24.6		25.2		14	250			
LAMBARENE	00 43 S	10 14 E	26		1006.0	1008.9	26.3		28.9		6	144			
MOUILA	01 52 S	11 01 E	89		998.7	1008.9	25.8		29.0		13	306			
TCHIBANGA	02 51 S	11 01 E	79		998.5	1007.6	25.7		28.0		14	171			
MAYUMBA	03 25 S	10 39 E	34		1005.0	1009.1	26.2		29.6			216			
PORT-GENTIL	00 42 S	08 45 E	4		1008.4	1008.9	27.5		30.2		5	70			
LIBREVILLE	00 27 N	09 25 E	15		1006.9	1008.6	27.9		30.7		8	171			
CENTRAL AFRICAN REP															
BIRAO	10 17 N	22 47 E	464	29	955.4	1008.1	28.9		6.7		0	0			
N DELE	08 24 N	20 39 E	510	29	949.4	1004.5	28.8		9.7		0	0		5	
BRIA	06 32 N	21 59 E	584	29	942.4	1005.8	25.5		16.5		0	0			
YALINGA	06 30 N	23 16 E	602	29	939.9	1005.6	23.4		14.3		14	1			
BAMBARI	05 51 N	20 39 E	475	29	953.9	1005.4	27.9		17.7		0	0			
ALINDAO	05 03 N	21 12 E	449	29	956.6	1005.6	26.7		20.4		3	27			
BANGASSOU	04 44 N	22 50 E	500	29	951.3	1005.6	26.9		21.4		2	13		2	86
OBO	05 24 N	26 30 E	651	29	935.2	1005.0	27.6		14.2		0	0			
BOSSANGOA	06 29 N	17 26 E	465	29	955.0	1005.7	27.0		12.4		0	0		5	107
BOUAR	05 58 N	15 38 E	1020	29	897.3	1467 Y	25.7		10.6		1	3			
BOSSEMBELE	05 16 N	17 38 E	674	29	932.8	1005.2	26.5		17.8		2	2			
BERBERATI	04 13 N	15 47 E	583	29	942.7	1005.9	25.6		21.1		6	37			102
BANGUI	04 24 N	18 31 E	366	29	965.6	1006.2	26.2		22.8		4	48		3	105
KENYA															
MOYALE	03 32 N	39 03 E	1113	29			24.2	- 0.4	9.7	-5.3	0	0	- 21		
ELDORET	00 32 N	35 17 E	2120	29	788.7	1463 Y	17.3		9.6		1	7	- 28	2	120
NAIROBI AIRPORT	01 19 S	36 55 E	1624	29	887.2	1489 Y	19.5	- 0.8	12.4	-2.9	0	0	- 48		115
GARISSA	00 28 S	39 38 E	138	29	992.7	1009.4	29.5	+ 0.1	21.0	+3.0	0	0	- 5	1	
MALINDI	03 14 S	40 06 E	23	29		1009.9	26.5	- 0.6	25.0	-3.1	0	0	- 10		255
UNITED REP OF TANZANIA															
SONGEA	10 41 S	35 35 E	1067		894.0	1502 Y	23.3		21.4		20	197		2	
MTWARA	10 16 S	40 11 E	113		996.0	1008.1	26.7		29.0		8	141		1	
DAR ES SALAAM AIRPORT	06 53 S	39 12 E	58		1003.6	1010.2	27.9		27.0		0	0		0	
MWANZA	02 28 S	32 55 E	1140		885.0	1488 Y	23.8		16.3		8	92		3	
ETHIOPIA															
ASMARA	15 17 N	38 55 E	2325	29	770.6		13.7		6.6			0			112
GONDER	12 32 N	37 26 E	1966	29	804.2		21.6		6.2			0			
COMBOLCHA	11 05 N	39 43 E	1916	29	815.8		16.6		11.2		1	10			154
ADDIS ABABA	08 59 N	38 48 E	2408	29	768.9		16.7				1	8			126
DIRE DAWA	09 38 N	41 52 E	1146				21.0				0	0			
GORE	08 10 N	35 33 E	1974	29			21.5		9.8		1	1			
JIMMA	07 40 N	36 50 E	1577	29	828.7		17.1		9.0		2	11			129
NEGHELLI	05 20 N	39 34 E	1455				20.1				0	0			
ZIMBABWE															
SALISBURY/BELVEDERE	17 50 S	31 01 E	1472			U									
ZAMBIA															
LASAKA CITY AIRPORT	15 25 S	28 19 E	1280			U									
MALAWI															
KAMUZU INT.AP	13 47 S	33 46 E	1229	29	876.5	1485 Y	20.2		20.0		17	193			
CHILEKA	15 41 S	34 58 E	767	29	923.4	1483 Y	23.1	0.0	22.1		20	233	+ 27		25
MADAGASCAR															
DIEGO-SUAREZ	12 21 S	49 18 E	105	29	997.1	1009.0	25.5	- 0.4	28.9	+0.5	16	393	+160	5	94
TULEAR	23 23 S	43 44 E	8	29	1006.1	1007.0	27.4	+ 0.1	29.5	+1.2	10	129	+ 46	5	87
TAMATAVE	18 07 S	49 24 E	6	29	1007.8	1008.4	26.4	+ 0.4	29.7	+1.2	18	263	-161	2	119
ANTANANARIVO/IVATO	18 48 S	47 29 E	1276	29	870.5	1475 Y	20.4	- 0.3	19.6	+0.3	21	488	+283		
SEYCHELLES															
SEYCHELLES INTERNATIONAL AP	04 40 S	55 31 E	3			U									
OCEAN ISLANDS															
ILES GLORIEUSES	11 33 S	47 17 E	3	29	1009.6	1010.1	27.4		30.2		11	283			
SERGE-FROLOW/ILE TROMELIN	15 53 S	54 31 E	8	29	1006.7	1008.1	28.1		30.6		11	122			
ILE JUAN DE NOVA	17 03 S	42 43 E	9	29	1006.0	1007.2	27.3		30.4		15	226			
VACOAS/MAURITIUS	20 18 S	57 30 E	425			U									
ST. DENIS/GILLOT, REUNION	20 53 S	55 31 E	12	29	1006.7	1009.6	26.3		27.5		16	263		4	110
ILE EUROPA	22 21 S	40 21 E	7	29	1005.8	1007.3	27.0		28.9		8	102		4	
ILE NOUVELLE-AMSTERDAM	37 48 S	77 32 E	28	29	1015.0	1018.4	16.4		15.6		10	34			
ILE CROZET	46 30 S	51 00 E		29	995.9	1013.2	7.6		8.9		16	177			
PORT-AUX-FRANCAIS/KERGUELEN	49 20 S	70 13 E	18	29	1001.2	1004.9	7.5		8.0		11	49			
SOUTH AFRICA															
GROOTFONTEIN	19 36 S	18 07 E	1400	29	857.8	1478 Y	24.2	+ 2.4	16.1		9	72	- 50		128
WINDHOEK	22 34 S	17 06 E	1700	29	829.3	1485 Y	24.6	+ 2.8	12.4	-1.5	8	70	- 5	3	105
KEETMANSHOOP	26 34 S	18 07 E	1100	29	888.3	1488 Y	28.3	+ 2.6	9.4	-4.0	1	1	- 39	1	104

SURFACE DATA

FEBRUARY 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		%
AFRICA															
SOUTH AFRICA															
UPINGTON	28 24 S	21 16 E	800	29	919.3	1493 Y	29.6	+ 3.1	9.9	-1.8	0	2	- 38	4	108
PIETERSBURG	23 52 S	29 27 E	1250	29	880.3	1502 Y	21.6	+ 0.4	16.6	-1.1	7	61	+ 1	3	119
PRETORIA	25 44 S	28 11 E	1300	29	869.8	1500 Y	23.7	+ 2.1	14.6	-3.7	5	33	- 54	0	114
PRETORIA/IRENE	25 55 S	28 13 E	1525			U									
JAN SMUTS	26 08 S	28 14 E	1700	29	830.9	1504 Y	21.9	+ 3.2	14.1	-1.3	4	13	- 78	0	115
BLOEMFONTEIN/J.B.M. HERTZOG	29 06 S	26 18 E	1400	29	859.7	1500 Y	24.5	+ 3.4	12.7	-2.0	5	38	- 45	2	120
KIMBERLEY	28 48 S	24 46 E	1250	29	879.2	1495 Y	26.5	+ 3.0	12.7	-3.9	4	70	+ 9	4	116
ALEXANDER BAY	28 34 S	16 32 E	0	29	1008.8	1011.5	18.1	- 0.7	16.3	-0.2	0	0	- 3	3	94
CAPE TOWN /D.F. MALAN/	33 58 S	18 36 E	0	29	1005.9	1011.7	20.7	+ 0.4	17.6	+0.8	3	6	- 8	3	108
PORT ELIZABETH	33 59 S	25 36 E	0	29	1006.0	1013.3	21.6	+ 0.7	20.4	+0.9	2	6	- 30	0	106
EAST LONDON	33 02 S	27 50 E	0	29	997.5	1013.5	21.8	+ 0.3	21.0	+0.7	5	17	- 66	0	107
DURBAN/LOUIS BOTHA/	29 58 S	30 57 E	0	29	1011.3	1012.9	24.1	0.0	24.6	+0.7	12	192	+ 76	5	100
GOUGH ISLAND	40 21 S	09 53 W	0	29	1007.6	1014.0	14.0	- 0.4	10.3	-3.2	11	129	- 66		116
MARION ISLAND	46 53 S	37 52 E	0	29	1002.7	1005.4	8.7	+ 1.3	8.9	+0.4	20	256	+ 51		143
ASIA															
USSR-WESTERN															
ORUJNAYA/OSTROV HEJSA/	80 37 N	58 03 E	20		1003.4	1006.3	-15.6		2.0		10	54			
OSTROV VIZE	79 30 N	76 59 E	18		1007.2	1008.7	-19.9		1.4		1	8			
MYS CELJUSKIN	77 43 N	104 17 E	13		1012.8	1014.9	-25.0		0.8		1	6			
OSTROV DIKSON	73 30 N	80 14 E	20		1005.9	1012.3	-19.6		1.3		13	34			
MYS KAMENNYJ	68 28 N	73 36 E			1018.3	1019.4	-17.9		1.7		16	49			
SALEHARD	66 32 N	66 32 E	35		1023.4	1025.5	-14.5		2.0		2	4			95
TARKO-SALE	64 55 N	77 49 E	27		1020.0	1023.7	-18.4		1.5	+2.5	0				85
HATANGA	71 59 N	102 28 E	24		1012.8	1017.6	-31.4		0.5		5	13			
NJAKSIMVOL	62 26 N	60 52 E	50		1027.9	1034.8	-12.8		1.8		2	4			
TURUHANSK	65 47 N	87 57 E	32		1016.5	1021.8	-23.0		1.0		16	50		6	75
ESSEJ	68 28 N	102 22 E	200		983.3	1021.9	-32.7		0.4		5	10		6	50
HANTY-MANSIJSK	60 58 N	69 04 E	40		1027.5	1033.2	-15.2		1.9		3	4			
SURGUT	61 15 N	73 30 E	43		1024.9	1031.0	-16.3		1.6		4	8			
PODKAMENNAJA TUNGUSKA	61 36 N	90 00 E	60		1018.9	1026.9	-22.0		1.2		14	36		6	90
TURA	64 10 N	100 04 E	140		999.4	1026.0	-31.7		0.5		6	15		5	45
ERBOGACEN	61 16 N	108 01 E	278		985.7	1026.3	-27.2		0.8		2	11			
PERM	58 01 N	56 18 E	161		1019.1		-13.4		1.6		1	4			160
SVERDLOVSK	56 48 N	60 38 E	237		1003.7		-11.3		2.1		0	1		1	145
TOBOLSK	58 09 N	68 11 E	44		1030.0	1036.6	-16.3		1.8		3	7			55
OMSK	54 56 N	73 24 E	94		1019.0	1035.9	-17.8		1.4		2	7			115
ENISEJSK	58 27 N	92 09 E	78		1019.6	1030.8	-21.0		1.1		10	23		5	90
KRASNOJARSK	56 00 N	92 53 E	194		995.9	1033.0	-16.9		1.2		4	11		6	
BOGUCANY	58 25 N	97 24 E	134		1011.4	1029.7	-21.6		1.1		3	13		5	15
BRATSK	56 04 N	101 50 E	326		975.7	1031.6	-18.9		1.2		4	13			
KIRENSK	57 46 N	108 07 E	261		994.4	1030.1	-22.9		1.0		8	18		5	
ORENBURG	51 45 N	55 06 E	109		1026.6	1042.9	-15.7		1.6		0	1			33
MINUSINSK	53 42 N	91 42 E	251		1002.5	1037.4	-22.0		1.1		1	4		2	
IRKUTSK	52 16 N	104 21 E	485		971.8	1035.0	-17.3		1.2		1	2		1	110
UST'-BARGUIZIN	53 26 N	108 59 E	457		971.8	1033.6	-19.3		1.3		1	5			
FORT SEVCENKO	44 33 N	50 15 E	-20		1037.2	1034.1	- 3.3		2.1		3	12		4	140
KRASNOVODSK	40 02 N	52 59 E	89		1019.3	1029.5	0.4		3.5		5	18			55
ASHABAD	37 58 N	58 20 E	230		1001.8	1031.1	- 2.7		4.1		9	9			30
CARDZOU	39 05 N	63 36 E	193		1006.4	1031.1	- 3.4		3.3		4	12			70
USSR-EASTERN															
OSTROV KOTELNYJ	76 00 N	137 54 E	10		1023.7	1024.8	-32.3		0.3		2	7			
COKURDAH	70 37 N	147 53 E	48		1020.9	1030.0	-38.2		0.2		0	T			
OSTROV CETYREHSTOLBOVOJ	70 38 N	162 24 E	6		1025.5	1031.6	-34.9		0.3		0	2			
MYS SMIDTA	68 55 N	179 29 W	7		1027.7	1028.3	-30.2		0.4		5	27			
MYS UZLEN	66 10 N	169 50 W	7		1021.2	1022.2	-31.0		0.3		1	2			
ANADYR	64 47 N	177 34 E	62		1013.6	1027.5	-32.6		0.3		2	16			
KORF	60 21 N	166 00 E	3		1018.0	1018.5	-16.5		1.4		6	11			145
OSTROV BERINGA NIKOLSKOE	55 12 N	165 59 E	6		1004.2	1006.0	- 3.0		3.9		17	81			65
PETROPAVLOVSK/KAMCATSKIJ	52 58 N	158 45 E	7		1000.2	1003.2	- 5.1		3.1		12	297			85
ICA	55 42 N	155 38 E	4		1006.2	1007.1	-10.8		2.3		3	5			145
OHOTSK	59 22 N	143 12 E	6		1017.0	1017.7	-19.0		1.0		4	16		6	
AJAN	56 27 N	138 09 E	9		1017.6	1018.8	-17.4		1.0		7	42			105
NIKOLAEVSK NA AMURE	53 09 N	140 42 E	47		1009.0	1015.3	-19.8		1.1		8	63			
VLADIVOSTOK	43 07 N	131 54 E	138		997.5	1022.2	-11.6		1.6		3	25			105
OLENEK	68 30 N	112 26 E	127		991.5	1023.9	-35.0		0.4		5	13		6	35
OZARDZAN	68 44 N	124 00 E	47		1021.6	1028.2	-36.6		0.2		1	7			95
VERHOJANSK	67 33 N	133 23 E	137		1011.7	1032.7	-46.5		0.1		0	T			130
ZYRJANKA	65 44 N	150 54 E	43		1027.4	1033.9	-38.9		0.1		1	1			90
UST -OLOJ	66 33 N	159 25 E	125		1013.9	1032.9	-41.8		0.2		0	1			
ILIRNEJ	67 20 N	168 14 E	426		985.6	1037.8	-38.8		0.3		0	0			
OJMJAKON	63 16 N	143 09 E	726		932.3	1041.2	-45.7		0.1		2	4		1	110
SEJMCAN	62 55 N	152 25 E	207		1001.8	1033.3	-40.2		0.2		4	12			
KAMENSKOE	62 29 N	166 13 E	106			1022.5	-29.6		0.4		2	8			
VILJUJSK	63 46 N	121 37 E	107		1011.2	1027.2	-32.9		0.4			8		4	60
JAKUTSK	62 05 N	129 45 E	103		1014.5	1029.3	-36.0		0.2		0	5		3	75
ALDAN	58 37 N	125 22 E	682		937.8	1029.4	-26.1		6.0		5	19		5	100
BOGDARIN	54 28 N	113 35 E	917		912.1	1035.0	-25.6		0.5		0	0		1	
CITA	52 01 N	113 20 E	685		942.3	1031.8	-22.4		0.8		1	2		3	105
MOGOCA	53 44 N	119 47 E	619		944.5	1028.8	-25.2		0.7		0	1		3	110

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 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-EASTERN															
KALAKAN	55 07 N	116 45 E	607		948.3	1033.0	-30.1		0.5		0	2		4	
BOMNAK	54 43 N	128 56 E	357		975.4	1026.5	-25.5		0.6		0	2			100
IM. POLINY OSIPENKO	52 25 N	136 30 E	65		1009.3	1019.4	-22.9		0.8		3	9			100
BLAGOVESCENSK	50 16 N	127 30 E	137		1004.8	1022.8	-19.5		1.1		2	6		5	
HABAROVSK	48 31 N	135 10 E	72		1007.4	1019.4	-19.0		1.1		3	11		5	90
HONG KONG															
ROYAL OBSERVATORY	22 18 N	114 10 E	62	29	1011.4	1018.9	14.5	- 1.4	12.8	-1.6	1	3	- 39	1	49
KINGS PARK	22 19 N	114 10 E	66			U									
MACAO															
MACAO	22 12 N	113 32 E	59		1011.7	1018.8	13.4		12.4		1	3		1	
DEM PEOPLE'S REP OF KOREA															
CHUN GGANG	41 47 N	126 53 E	332		984.0	1026.8	-12.3		1.9		3	8		3	
HYESAN	41 24 N	128 10 E	714		934.7	1025.8	-13.6		1.7		1	8			
KIMCHAEK	40 40 N	129 12 E	23		1018.9	1021.9	- 4.3		3.2		6	29			
SINUIJU	40 06 N	124 23 E	7		1025.2	1026.1	- 5.5		2.3		0	9		1	
WONSAN	39 11 N	127 26 E	36		1017.8	1022.5	- 3.1		2.4		5	51		5	
PYONGYANG	39 02 N	125 47 E	38		1014.5	1024.9	- 4.2		2.7		4	14		4	
REPUBLIC OF KOREA															
KANGNUNG	37 45 N	128 54 E	27	29	1018.5	1022.2	- 1.6	- 2.5	2.9	-1.1	4	40	- 41	2	108
INCHON	37 29 N	126 38 E	70	29	1016.0	1025.1	- 3.6	- 2.4	2.7	-1.3	5	10	- 15	3	114
PUSAN	35 06 N	129 02 E	71	29	1012.8	1021.7	1.8	- 2.0	3.1	-1.6	4	9	- 41	1	119
MOKPO	34 47 N	126 23 E	56	29	1017.5	1024.7	- 0.2	- 2.5	4.2	-1.1	14	31	- 16	2	106
JAPAN															
WAKKANAI	45 25 N	141 41 E	11	29	1010.4	1011.8	- 6.6	- 1.0	2.8	-0.3	17	39	- 32	1	108
ASAHIKAWA	43 46 N	142 22 E	116	29	997.6	1012.7	-10.4	- 2.7	2.3	-0.6	12	45	- 19	2	121
ABASHIRI	44 01 N	144 17 E	39	29	1005.9	1011.5	- 8.7	- 1.5	2.5	-0.4	8	24	- 13	2	105
SAPPORO	43 03 N	141 20 E	19	29	1010.0	1012.4	- 5.6	- 1.4	3.0	-0.4	24	149	+ 57	5	105
NEMURO	43 20 N	145 35 E	26	29	1006.3	1009.7	- 6.3	- 0.9	2.8	-0.4	6	20	- 21	2	110
URAKAWA	42 10 N	142 47 E	34	29	1007.0	1011.2	- 4.8	- 1.8	2.9	-0.6	3	11	- 30	0	108
AKITA	39 43 N	140 06 E	10	29	1013.7	1015.0	- 2.3	- 2.0	3.7	-0.8	19	77	- 22	1	73
MIYAKO	39 39 N	141 58 E	47	29	1007.5	1013.5	- 2.5	- 2.7	3.3	-0.7	5	72	- 1	3	108
SENDAI	38 16 N	140 54 E	40	29	1009.3	1014.8	- 1.0	- 2.3	3.6	-0.9	7	56	+ 8	3	124
WAJIMA	37 23 N	136 54 E	6	29	1017.0	1017.8	0.0	- 2.7	4.7	-1.0	22	158	- 8	3	96
NIIGATA	37 55 N	139 03 E	6	29	1016.0	1016.8	- 0.2	- 2.4	4.5	-0.9	19	101	- 28	1	109
KANAZAWA	36 33 N	136 39 E	28	29	1014.7	1018.2	0.5	- 2.6	4.7	-1.2	21	203	+ 4	4	109
MATSUMOTO	36 15 N	137 58 E	611	29	941.7	1017.0	- 3.9	- 3.5	3.3	-0.8	6	50	+ 4	3	97
MAEBASHI	36 24 N	139 04 E	113	29	1001.2	1015.3	0.3	- 3.2	3.7	-0.7	5	30	0	3	111
NAGOYA	35 10 N	136 58 E	56	29	1010.0	1017.0	2.1	- 2.2	4.8	-0.7	7	94	+ 33	5	98
TATENO	36 03 N	140 08 E	27			U									
CHOSHI	35 43 N	140 51 E	28	29	1010.7	1014.1	2.9	- 3.4	4.5	-1.8	9	88	- 16	3	107
OMAEZAKI	34 36 N	138 13 E	47	29	1009.3	1015.1	3.9	- 2.8	5.0	-1.4	5	108	+ 16	4	99
TOKYO	35 41 N	139 46 E	36	29	1010.4	1014.9	3.0	- 2.4	4.0	-1.0	6	51	- 12	3	112
HACHIJOJIMA	33 06 N	139 47 E	80	29	1004.6	1014.4	7.9	- 2.5	7.1	-1.8	13	89	-111	1	99
HACHIJOJIMA/OMURE	33 07 N	139 47 E	156			U									
YONAGO	35 26 N	133 21 E	8	29	1018.9	1019.9	1.5	- 2.7	5.0	-1.3	21	124	- 21	2	113
HIROSHIMA	34 22 N	132 26 E	30	29	1016.4	1020.2	2.4	- 2.5	4.9	-1.2	5	53	- 12	3	125
OSAKA	34 41 N	135 31 E	50	29	1012.3	1018.5	3.3	- 2.5	4.8	-1.1	5	55	- 5	3	111
SHIONOMISAKI	33 27 N	135 46 E	75	29	1007.6	1016.8	5.5	- 2.6	5.1	-1.7	5	72	- 43	2	117
IZUHARA	34 12 N	129 18 E	22	29	1018.9	1021.7	3.5	- 2.2	4.8	-1.4	5	34	- 67	1	129
FUKUOKA	33 35 N	130 23 E	14	29	1019.4	1021.2	4.4	- 2.0	5.4	-1.3	7	46	- 28	1	121
OITA	33 14 N	131 37 E	13	29	1018.9	1020.5	3.7	- 2.3	5.0	-1.6	6	45	- 27	2	116
NAGASAKI	32 44 N	129 52 E	35	29	1016.5	1020.9	4.9	- 2.2	5.7	-1.5	6	27	- 60	1	121
KAGOSHIMA	31 34 N	130 33 E	5	29	1019.2	1019.8	6.6	- 1.6	6.6	-1.4	8	64	- 42	2	98
KAGOSHIMA/YOSHINO	31 38 N	130 35 E	283			U									
MIYAZAKI	31 55 N	131 25 E	7	29	1018.2	1019.1	6.0	- 2.1	6.3	-1.4	7	45	- 48	1	101
KOCHI	33 34 N	133 33 E	18	29	1016.1	1018.3	4.5	- 2.3	4.7	-1.9	5	85	- 11	3	111
SHIMIZU/ASHIZURI	32 43 N	133 01 E	32	29	1014.2	1018.3	6.3	- 2.7	5.5	-1.8	7	73	- 51	2	107
NAZE	28 23 N	129 30 E	7	29	1018.0	1018.9	13.5	- 1.2	11.5	-0.6	15	144	- 22	2	57
NAZE/FUNCHATOGE	28 23 N	129 33 E	295			U									
ISHIGAKIJIMA	24 20 N	124 10 E	7	29	1017.8	1018.6	17.5	- 0.9	15.5	-1.1	10	39	- 59	1	72
MIYAKOJIMA	24 47 N	125 17 E	41	29	1013.8	1018.7	16.9	- 0.8	14.7	-1.1	9	50	- 80	1	86
NAHA	26 14 N	127 41 E	36	29	1014.6	1018.8	15.6	- 0.8	13.0	-0.9	8	42	- 76	1	71
MINAMIDAITOJIMA	25 50 N	131 14 E	15	29	1015.9	1017.9	16.8	- 0.7	13.9	-0.9	11	74	- 7	3	62
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	29	965.1	1019.3	9.5	+ 1.7	6.0	-1.2	4	18	- 52		66
DEIR EZZOR	35 19 N	40 09 E	212	29	992.7	1018.3	9.6	+ 0.3	5.8	-1.9	3	5	- 23		72
PALMYRA	34 33 N	38 13 E	404	29	970.5	1023.1	9.8	+ 0.9	5.5	-1.8	2	1	- 18		78
DAMASCUS/NEW INTL AP	33 25 N	36 31 E	611	29	946.7	1018.5	8.4	+ 0.3	5.9	-0.9	1	9	- 13		76
HAMA	35 08 N	36 43 E	309	29	983.8	1019.9	8.4	+ 0.1	7.6	-0.7	5	30	- 27		
ALEPPO	36 11 N	37 13 E	393	29	972.7	1019.8	8.4	+ 1.0	7.1	-0.8	6	16	- 47		64
ISRAEL															
BET DAGAN	32 00 N	34 49 E	35			U									
BEN GURION INT AP	32 00 N	34 54 E	49	29	1012.5	1017.3	13.5		10.1		3	37		2	119

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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															
ISRAEL															
JERUSALEM	31 47 N	35 13 E	809	29	930.5	1500 Y	10.0		6.7		2	68		2	132
EILAT	29 33 N	34 57 E	13	29	1014.8	1015.9	17.7		6.9		0	0		1	107
							S21.8								
JORDAN															
H-4	32 30 N	38 12 E	688	29	938.2	1017.7	10.4		5.3		1	3			120
MAFRAQ	32 22 N	36 16 E	687			U									
AMMAN AIRPORT	31 59 N	35 59 E	762	29	927.0	1017.1	10.6	+ 1.3	6.8	-0.6	2	26	- 33	2	112
MA'AN	30 10 N	35 47 E	1070	29	895.2	1512 Y	10.0		5.5		0	0			104
KUWAIT															
KUWAIT INTL AIRPORT	29 13 N	47 59 E	55	29	1012.3	1019.2	15.5	+ 0.3	7.6	-2.4	1	2	- 14		100
SAUDI ARABIA															
EL-WEJH	26 14 N	36 26 E	19		1011.7	1014.3	20.4		14.6		0	0			
YENBO	24 07 N	38 03 E	6		1011.7	1012.4	22.1		14.7		7	97			
JEDDAH (KING ABDULAZIZ) AP	21 40 N	39 09 E	8		1009.9	1010.7	24.2		19.4		0	0			
RAFHA	29 38 N	43 29 E	440		966.0	1017.9	13.8		6.0		0	T			
AL-JOUF	29 56 N	40 12 E	559		942.4	1017.9	12.7		3.6		1	1			
GIZAN	16 52 N	42 35 E	3		1011.5	1011.9	25.3		23.9		0	0			
BADANA	30 58 N	40 59 E	539		954.7	1019.9	12.0		6.2		0	T			
TABOUK	28 24 N	36 35 E	769		928.5	1016.9	13.9		5.4		0	T			
TURAIF	31 41 N	38 40 E	824		923.4	1020.0	10.3		5.1		1	3			
HAIL	27 31 N	41 44 E	988		903.1	1014.7	14.1		4.7		0	0			
MEDINA	24 31 N	39 42 E	632		941.1	1009.4	22.2		6.8		0	0			
KHAMIS MUSHAIT	18 18 N	42 48 E	2057		797.7	1519 Y	14.4		10.9		0	0			
ABHA	18 08 N	42 23 E	2090		793.3	1499 Y	14.2		10.5		0	0			
BISHA	19 58 N	42 40 E	1161		885.5	1510 Y	18.7		4.9		1	1			
AL BAHA	20 18 N	41 38 E	1662			1534 Y	17.6		7.3		0	0			
SULAYIL	20 28 N	45 40 E	612		946.6	1017.4	18.3		5.4		0	0			
RIYADH	24 42 N	46 44 E	608		947.5	1018.9	17.5		6.1		1	11			
RIYADH(KING KHALED INT AP)	24 55 N	46 43 E	624		947.3	1017.7	15.9		4.4		3	55			
GASSIM	26 17 N	43 51 E	645		941.6	1017.0	16.1		5.4		0	T			
QAISUMAH	28 20 N	46 07 E	356		976.2	1018.5	15.0		4.7		0	0		4	
DHAHRAN	26 16 N	50 10 E	21		1016.1	1019.0	16.7		14.4		3	14			
NAJRAN	17 36 N	44 25 E	1210		881.2	1517 Y	18.1		7.5		0	0			
OMAN															
SUR	22 35 N	59 30 E			1017.3	1018.0	21.5		16.6		0	0			
SEEB INTERNATIONAL AP	23 35 N	58 17 E			1015.9	1017.5	20.9		13.6		0	0			
MASIRAH	20 41 N	58 54 E			1014.5	1016.7	22.1		17.2		0	0			
SALALAH	17 02 N	54 05 E	22		1012.6	1015.3	22.5		14.0		0	0			
THUMRAIT	17 44 N	53 56 E			965.1		18.9		10.1		0	0			
BAHRAIN															
BAHRAIN MUHARRAQ	26 16 N	50 37 E	2	29	1018.4	1018.6	18.4	+ 0.1	15.8	+0.4	3	11	- 5	3	
UNITED ARAB EMIRATES															
ABU DHABI BATEEN AP	24 26 N	54 27 E	3	29		1018.2	19.3	- 0.3	14.4	-0.6	0	1	- 18		113
ABU DHABI INT AIRPORT	24 26 N	54 28 E	3			U									
DEMOCRATIC YEMEN															
ADEN KHORMAKSAR	25 15 N	51 34 E	3		1014.8	1015.1	24.7		20.1		0	T			
AFGHANISTAN															
MAZARI-SHARIF	36 42 N	67 12 E	378	29	983.0	1031.0	- 0.1	- 5.3	5.0	-1.9	8	24	- 14	2	98
KABUL-AIRPORT	34 33 N	69 12 E	1803	29	820.8	1513 Y	- 0.6	+ 0.4	3.4	-0.4	4	10	- 45	1	111
KANDAHAR-AIRPORT	31 30 N	65 31 E	1005	29	904.2	1023.0	4.2	- 3.6	4.8	-1.4	4	30	- 12	3	112
CHAKHCHARAN	34 32 N	65 16 E	2230	29	775.6	1536 Y	-14.1	- 6.9	2.0	-0.8	9	30	- 2	3	106
PAKISTAN															
PARACHINAR	33 52 N	70 05 E	1725	29	826.1	1493 Y	2.6	- 3.6	3.9	-1.3	23	44	- 34		
PESHAWAR	34 01 N	71 35 E	359	29	973.7	1016.1	10.9	- 2.3	6.1	-2.1	4	30	- 11	3	92
DERA ISMAIL KHAN	31 49 N	70 55 E	174	29	994.7	1015.4	12.9	- 2.2	5.7	-4.0	2	8	- 10	3	
SARGODHA	32 03 N	72 40 E	184			U									
JHELUM	32 56 N	73 44 E	233	29	987.4	1015.1	13.0	- 1.7	7.7		3	49			
LAHORE CITY	31 33 N	74 20 E	214	29	989.8	1015.1	14.2	- 1.1	7.7	-2.8	5	71	+ 48	5	109
QUETTA/SAMUNGLI	30 15 N	66 53 E	1601	29	841.9	1511 Y	2.7	- 3.4	4.5	-1.6	1	19	- 24	2	110
MULTAN	30 12 N	71 26 E	123	29	1001.1	1015.9	13.3	- 3.2	7.6	-2.5	1	7	- 3	3	
DALBANDIN	28 53 N	64 42 E	850	29	921.1	1506 Y	8.6	- 3.9	3.5	-3.8	0	0	- 18	1	
JACOBADAD	28 18 N	68 28 E	56	29	1013.1	1013.8	15.9	- 2.4	9.1	-0.3	0	0	- 8	2	100
PANJGUR	26 58 N	64 06 E	969	29	906.1	1506 Y	9.6	- 3.7	4.1	-3.0	0	0	- 18	2	
CHHOR	25 31 N	69 47 E	6	29	1008.7	1015.0	15.6		5.7		0	0			
JIWANI	25 04 N	61 48 E	56	29	1009.4	1016.0	18.3		9.1		0	0			
HYDERABAD	25 23 N	68 25 E	30	29	1011.4	1015.0	18.5	- 2.1	8.7	-0.2	0	0	- 5	3	
KARACHI AIRPORT	24 54 N	67 08 E	22	29	1012.3	1015.1	18.1	- 2.1	8.7	-3.6	0	0	- 13	3	106
BANGLADESH															
CHITTAGONG AMBAGAN	22 21 N	91 49 E	14			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		%
ASIA															
INDIA															
SRINAGAR	34 05 N	74 50 E	1587	29	841.7	1502 Y	2.7	- 0.8	5.8	-0.2	11	75	+ 3	3	
AMRITSAR	31 38 N	74 52 E	234	29	987.7	1015.5	12.3	- 2.2	9.1	-1.4	4	64	+ 53		100
MUKTESWAR KUMAON	29 28 N	79 39 E	2311	29	771.2	3096 Z	5.9	- 1.2	6.3	+1.0	7	197	+141	6	
NEW DELHI/SAFDARJUNG	28 35 N	77 12 E	216	29	989.3	1014.7	15.1	- 2.2	8.6	-0.5	1	4	- 18	3	93
AGRA	27 10 N	78 02 E	169	29	994.9	1014.6	16.7	- 1.3	9.1	-0.4	0	0	- 9	2	
DIBRUGARH/MOHANBARI	27 29 N	95 01 E	111	29	1000.6	1013.5	18.1	+ 0.4	15.4	-0.5	3	18	- 43	1	
JODHPUR	26 18 N	73 01 E	224	29	988.7	1014.1	16.9	- 3.0	4.9	-2.4	0	0	- 5	3	
LUCKNOW/AMAUSI	26 45 N	80 53 E	128			U									
GAUHATI	26 06 N	91 35 E	54	29	1006.9	1013.2	18.0	- 0.6	15.3	0.0	1	2	- 16	1	
ALLAHABAD/BAMHRAULI	25 27 N	81 44 E	98	29	1002.9	1014.1	17.1	- 2.0	12.9	+1.3	5	36	+ 14	5	
CHERRAPUNJI	25 15 N	91 44 E	1313	29	869.3	1501 Y	13.3	0.0	9.6	-1.1	0	0	- 41	1	
AHMADABAD	23 04 N	72 38 E	55	29	1007.1	1013.5	22.8	0.0	10.3	+0.2	0	0	0	5	97
SAGAR	23 51 N	78 45 E	551	29	950.9	1013.5	17.7	- 3.0	10.1	+1.2	4	40	+ 27	5	
INDORE	22 43 N	75 48 E	567	29	949.1	1013.2	18.0	- 1.9	6.5	-1.6	1	4	+ 3	5	
CALCUTTA/ALIPORE	22 32 N	88 20 E	6	29	1012.5	1013.3	21.8	- 1.2	15.1	-1.3	1	1	- 23	1	70
CALCUTTA/DUM DUM	22 39 N	88 27 E	6			U									
NAGPUR/SONEGAON	21 06 N	79 03 E	310	29	977.3	1012.5	21.9	- 1.9	13.2	+1.7	4	29	+ 10	4	86
VERAVAL	20 54 N	70 22 E	8	29	1011.1	1012.1	21.9	- 0.6	14.7	-2.0	0	0	- 1	4	
AKOLA	20 42 N	77 02 E	282	29	979.8	1011.7	23.0	- 1.0	10.6	-0.9	2	32	+ 24	5	
BHUBANESWAR	20 15 N	85 50 E	46	29	1007.7	1012.6	23.9	- 1.1	16.7	-2.4	1	24	+ 2		
BOMBAY/SANTACRUZ	19 07 N	72 51 E	14			U									
JAGDALPUR	19 05 N	82 02 E	553	29	949.9	1011.2	22.7	- 0.1	5.7	+2.2	2	12	- 3	4	
BOMBAY/COLABA	18 54 N	72 49 E	11	29	1009.0	1010.2	24.7	- 0.2	18.1	-2.4	0	0	- 1	5	96
POONA	18 32 N	73 51 E	559	29	948.3	1010.5	21.9	- 0.3	13.4	+3.2	2	31	+ 31	6	96
HYDERABAD AIRPORT	17 27 N	78 28 E	545	29	950.3	1010.5	24.6	+ 0.6	17.3	+2.0	1	6	- 4	4	80
VISHAKHAPATNAM	17 43 N	83 14 E	3	29	1011.8	1012.2	25.6	+ 0.3	22.2	-3.1	1	8	- 7	4	
MASULIPATNAM	16 11 N	81 08 E	3	29	1011.0	1011.3	25.5	+ 0.6	25.3	+0.8	2	7	- 4	4	
GOA/PANJIM	15 29 N	73 49 E	60	29	1002.2	1008.9	27.7	+ 1.6	22.5		1	3	+ 3	6	
BELGAUM/SAMRA	15 51 N	74 37 E	747	29	927.3	1008.5	24.7	+ 0.7	14.8	+3.3	2	40	+ 39		
MADRAS/MINAMBAKKAM	13 00 N	80 11 E	16	29	1008.9	1010.7	25.7	- 0.1	25.6	+1.8	8	284	+277	6	62
PANAMBUR	12 57 N	74 50 E	31			U									
BANGALORE	12 58 N	77 35 E	921	29	909.2	1503 Y	22.5	- 0.6	17.0	+3.9	3	33	+ 23	5	76
KOZHIKODE	11 15 N	75 47 E	5	29	1008.1	1008.7	28.5	+ 1.0	27.9	+1.4	1	26	+ 15	5	
PORT BLAIR	11 40 N	92 43 E	79	29	1001.0	1009.9	27.0	+ 0.6	28.7	+2.8	7	235	+213		73
COCHIN/ERNAKULAM	09 56 N	76 14 E	3			U									
PAMBAN	09 16 N	79 18 E	11	29	1008.1	1009.4	26.5	- 0.1	27.9	+0.4	11	308	+289	6	
MINICOY	08 18 N	73 00 E	2	29	1008.5	1008.7	27.5	+ 0.8	30.0	+1.9	9	228	+203	6	
TRIVANDRUM	08 29 N	76 57 E	64	29	1001.2	1008.5	27.3	0.0	27.6	+2.3	10	128	+107	6	58
SRI LANKA															
MANNAR	08 59 N	79 55 E	3		1008.9	1009.3	26.5	- 0.2	29.4	+3.8	15	53	+ 19	5	
TRINCOMALEE	08 35 N	81 15 E	7		1000.3	1009.0	26.0	- 0.2	29.2	+3.3	18	720	+625	6	
COLOMBO	06 54 N	79 52 E	6		1007.7	1008.5	26.6	+ 0.2	28.2	+2.4	10	180	+ 84	5	
HAMBANTOTA	06 07 N	81 08 E	20		1006.3	1008.0	26.1	- 0.2	28.1	+1.7	10	155	+ 97	5	
BURMA															
MEIKTILA	20 50 N	95 50 E	220			U									
THAILAND															
CHIANGMAI	18 47 N	98 59 E	313	29	974.8	1010.0	26.5	+ 3.4	21.7	+2.9	2	8	- 4	3	96
UDON THANI	17 26 N	102 46 E	178	29	990.0	1010.6	26.2	+ 1.2	20.3	-1.9	2	6	- 4	2	
PHITSANULOK	16 50 N	100 16 E	50	29	1004.5	1009.9	28.3	+ 1.5	26.0	+1.7	2	24	0	3	88
NAKHON SAWAN	15 48 N	100 10 E	28	29	1005.8	1009.8	28.9	+ 1.3	25.5	+1.2	2	22	- 11	4	100
UBON RATCHATHANI	15 15 N	104 53 E	127			U									
NAKHON RATCHASIMA	14 58 N	102 07 E	181	29	989.2	1010.6	27.2	+ 0.7	23.1	0.0	2	11	- 22		
BANGKOK	13 44 N	100 30 E	12	29	1007.6	1019.8	28.7	+ 1.1	29.0	+0.6	1	13	- 16	3	94
ARANYAPRATHET	13 42 N	102 35 E	44	29	1004.7	1010.0	28.6	+ 0.8	24.7	+1.2	1	4	- 27		
CHANTHABURI	12 37 N	102 07 E	5	29	1009.3	1009.7	28.2	+ 1.3	27.8	-0.1	2	10	- 28		98
PRACHUAP KHIRIKHAN	11 48 N	99 48 E	5	29	1009.4	1010.0	26.0	+ 0.1	28.5	+1.8	5	64	+ 22		95
CHUMPHON	10 27 N	99 15 E	3	29	1009.4	1010.1	27.0	+ 1.0	29.3	+1.5	7	103	+ 33		80
SONGKHLA	07 11 N	100 37 E	10	29	1008.7	1009.4	25.8	- 1.2	26.0	-1.6	7	76	+ 17		65
MALAYSIA															
PENANG/BAYAN LEPAS	05 18 N	100 16 E	4	29	1008.3	1008.7	26.2	- 1.1	29.3	+1.7	14	204	+127	5	65
KOTA BHARU	06 10 N	102 17 E	5	29	1009.2	1009.8	25.6	- 0.5	27.5	+0.4	7	50	- 9	3	55
KUALA LUMPUR/SUBANG	03 07 N	101 33 E	17	29	1007.2	1009.7	25.6	- 1.0	28.3	+0.7	20	336	+203	5	60
KUANTAN	03 47 N	103 13 E	16	29	1009.8	1008.0	24.5	- 0.7	27.9	+0.6	17	278	+106	4	45
MALACCA	02 16 N	102 15 E	11	29	1008.0	1009.1	25.7	- 0.7	27.9	+0.2	13	279	+183	5	70
KUCHING	01 29 N	110 20 E	27	29	1006.4	1009.0	25.1	- 0.3	28.3	0.0	26	633	+121	4	60
KOTA KINABALU	05 57 N	116 03 E	7	29	1007.8	1008.1	25.9	+ 0.2	29.2	+1.7	13	60	+ 10	3	75
SINGAPORE															
SINGAPORE AIRPORT	01 22 N	103 55 E	32	29	1007.1	1008.9	25.8		28.4		17	470		5	68
CHINA															
HAILAR	49 13 N	119 45 E	614		947.6	1031.1	-25.5		0.8		2	4		4	95
QIQIHAR	47 23 N	123 55 E	147		1005.0	1024.9	-16.5		1.2		1	3		5	
ALTAY	47 44 N	88 05 E	735		943.8	1041.4	-18.7		1.1		2	5		2	100
URUMQI	43 54 N	87 28 E	654		921.3	1039.4	-14.9		1.5		4	15		5	75
YINING	43 57 N	81 20 E	664		950.9	1036.8	-11.9		2.1		2	6		1	100
EREN	43 39 N	112 00 E	966		910.6	1034.1	-15.9		1.0		0	1		3	95
YANJI	42 53 N	129 28 E	178		1000.7	1024.2	-11.7		1.2		2	6		4	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		%
ASIA															
CHINA															
HAMI	42 49 N	93 31 E	739		938.4	1031.1	- 6.9		1.1		0	T		4	95
SHENYANG	41 49 N	123 33 E	43		1021.6	1027.3	- 8.4		1.5		2	7		3	100
BEIJING	39 48 N	116 28 E	32		1021.7	1028.8	- 2.5		1.6		0	T		1	95
JIUQUAN	39 46 N	98 31 E	1478		855.2	1032.7	- 9.0		1.1		0	T		1	85
KASHI	39 28 N	75 59 E	1291		874.8	1028.3	- 3.2		2.8		1	4		3	85
RUOQIANG	39 02 N	88 10 E	889		920.6	1031.2	- 5.1		1.4		0	0		4	95
YINCHUAN	38 29 N	106 13 E	1113		895.5	1031.5	- 6.8		1.6		0	1		4	80
TAIYUAN	37 47 N	112 33 E	779		933.5	1030.2	- 4.6		1.7		1	2		3	70
HOTAN	37 08 N	79 56 E	1375		865.2	1027.3	- 2.9		1.8		0	T		2	70
DULAN	36 20 N	98 02 E	3192		685.3		- 6.0		1.1		0	T		1	80
QINGDAO	36 04 N	120 20 E	77		1018.2	1028.1	- 1.1		3.2		1	4		2	95
LANZHOU	36 03 N	103 53 E	1518		849.2		- 2.7		2.2		0	T		1	85
ZHENGZHOU	34 43 N	113 39 E	111		1014.6	1028.9	0.1		3.2		1	3		2	75
XI'AN	34 18 N	108 56 E	398		978.3	1027.9	1.0		3.5		0	T			105
QAMDO	31 11 N	96 59 E	3242		675.8		3.3		1.7		0	0		1	140
SHANGHAI	31 10 N	121 26 E	5		1025.8	1026.6	3.2		5.6		5	21		1	60
YICHANG	30 42 N	111 05 E	131		1010.4	1027.2	4.3		5.5		2	5		1	65
CHENGDU	30 40 N	104 01 E	508		962.4	1023.9	5.5		7.2		3	5		2	
LHASA	29 42 N	91 08 E	3659		647.4		3.7		1.2		0	T		4	110
NANCHANG	28 40 N	115 58 E	50		1019.3	1025.2	3.7		6.5		8	32		1	55
XICHANG	27 53 N	102 18 E	1592		833.3		14.0		4.9		0	T		1	120
ZHIJIANG	27 27 N	109 38 E			991.3	1025.1	4.3		6.0		3	8		1	75
GANZHOU	25 50 N	114 50 E	125		1008.7	1024.1	6.2		8.0		10	45		2	30
TENGCHONG	25 07 N	98 29 E	1649		835.6		10.0		7.2		2	8		2	115
KUNMING	25 01 N	102 41 E	1892		809.9		11.0		7.3		0	1		1	100
SHANTOU	23 24 N	116 41 E	3		1019.3	1019.7	12.9		11.8		2	9		1	60
GUANGZHOU	23 08 N	113 19 E	7		1018.8	1019.7	12.2		11.1		5	9		1	30
NANNING	22 49 N	108 21 E	73		1010.6	1019.5	10.7		11.1		13	36		3	
MENGZI	23 23 N	103 23 E	1302		869.0	1012.1	15.5		9.9		0	T		1	110
HAIKOU	20 02 N	110 21 E	15		1015.3	1017.0	15.6		16.4		9	20		3	
PHILIPPINES															
APARRI	18 22 N	121 38 E	4	29	1013.3	1013.6	24.5	+ 0.5	24.9	+1.5	8	40	- 49	1	
DAGUPAN	16 03 N	120 20 E	2	29	1011.3	1011.5	27.1	+ 0.4	24.9	0.0	0	0	- 8	1	
MANILA INT. AIRPORT	14 31 N	121 00 E	15	29	1011.3	1012.5	26.2	+ 0.3	22.0	-1.4	1	5	0	3	
TAYABAS	14 02 N	121 35 E	158	29	990.8	1008.4	25.0	+ 0.4	26.4	+1.5	19	75	- 9		
DAET	14 08 N	122 59 E	4	29	1011.4	1011.9	25.7	+ 0.1			20	45	-147	0	
CALAPAN	13 25 N	121 11 E	40	29	1006.7	1011.4	25.7	+ 0.1			11	12	- 48		
LEGASPI	13 08 N	123 44 E	19	29	1009.2	1011.4	26.0	+ 0.3	26.4	0.0	14	191	+ 15	1	
CATBALOGAN	11 47 N	124 53 E	5	29	1009.2	1009.8	25.9	- 0.3	22.0	-4.4	14	251	+118	4	
TACLOBAN	11 15 N	125 00 E	21	29	1009.8	1010.1	25.6	- 0.4	28.1	+1.7	20	465	+264	5	
ILOILO	10 42 N	122 34 E	14	29	1009.2	1010.1	27.2	+ 1.3	28.1	+1.7	15	66	+ 46	4	
CEBU	10 20 N	123 54 E	35	29	1005.5	1009.6	27.4	+ 0.8	29.8	+3.4	13	160	+ 90	4	
MACTAN	10 18 N	123 58 E	9	29	1008.4	1009.8	27.0	+ 0.2	29.8	+1.7	13	177	+ 96	5	
DIPLOG	08 36 N	123 21 E	5	29	1008.5	1009.1	27.0	- 0.1			21	142	+ 68	4	
TAGBILARAN	09 36 N	123 51 E	6	29	1008.8	1009.5	25.8	- 0.3	28.1	+1.7	14	92	+ 1		
CAGAYAN DE ORO	08 29 N	124 38 E	6	29	1007.6	1008.3	26.1	0.0	29.8	+3.4	9	76	+ 5		
DAVAO AIRPORT	07 07 N	125 39 E	25	29	1006.7	1008.7	25.4	- 1.2	28.1	+1.7	16	121	+ 11		
ZAMBOANGA	06 54 N	122 04 E	6	29	1007.9	1008.6	26.5	+ 0.3	28.1	+1.7	14	58	+ 29	2	
AUSTRALASIA															
INDONESIA															
GUNUNG SITOLI/BINAKA	01 16 N	97 37 E	6	29	1007.7	1008.7	25.5				20	206			
TANJUNGPINANG/KIJANG	00 55 N	104 32 E	18	29	1007.6	1009.9	25.5		28.4		8	330	+103		
RENGAT/JAPURA	00 26 S	102 27 E	46	29	1007.5	1010.0	25.5		28.2		18	298	+108		
SINGKEP/DABO	00 29 S	104 35 E	31	29	1004.8	1008.4	25.9		27.5		12	109	- 24		
PALEBANG/TALANGBETUTU	02 54 S	104 42 E	10	29	1007.6	1009.1	26.1		29.4		16	98	-131		
PANGKALPINANG	02 10 S	106 08 E	33	29	1004.2	1008.3	25.3		27.6		25	324	+121		
BENGKULU/PADANGKEMILING	03 52 S	102 20 E	16	29	1005.6	1007.7	26.2		28.6		14	200	- 38		
TELUKBETUNG/BERANTI	05 16 S	105 11 E	96	29	1009.8	1010.8	25.5		25.8		19	390	+104		
PONTIANAK/SUPADIO	00 01 S	109 23 E	0	29	1007.7	1008.4	26.1		29.2			239	+ 41		
BALIKPAPAN/SEPINGGAN	01 16 S	116 54 E	3	29	1007.9	1008.6	25.6		29.2		18	294	+ 74		
PANGKALAN BUN/ISKANDAR	02 42 S	110 42 E	25	29	1005.5	1008.6	25.2				25	191			
PALANGKA RAYA	01 00 S	114 00 E		29	1006.5	1009.7	25.5		28.5		22	251			
KOTABARU	03 24 S	116 13 E	18	29	1008.0	1008.6	25.6		29.2		23	266			
CURUG/BUDIARTO	06 14 S	106 39 E	46	29	1003.7	1009.3	25.7		28.1		22	289	- 82		
JAKARTA/KEMAYORAN	06 09 S	106 51 E	5	29	1008.0	1008.7	26.3		29.4		18	238	- 1		
JAKARTA HALIM PERDANAKUSUMA	06 15 S	106 54 E	30	29	1005.7	1008.8	25.9		28.0		19	234	- 23		
CILACAP	07 44 S	109 01 E	6	29	1007.5	1008.5	26.5		28.7		16	330	+ 73		
SEMARANG	06 58 S	110 25 E	3	29	1007.7	1008.1	26.2		28.8		22	402			
SURABAYA/JUANDA	07 22 S	112 46 E	3	29	1007.5	1008.1	21.7		24.1		23	443			
SURABAYA	07 13 S	113 43 E	3	29	1007.3	1007.9	27.0		29.6		20	345			
SURABAYA/PERAK	07 13 S	112 43 E	3	29	1007.2	1009.7	26.4		29.4		21	283	- 6		
MENADO/DR SAM RATULANGI	01 32 N	124 55 E	80	29	999.8	1009.4	24.9		28.2		27	428	+ 28		
UJUNG PANDANG/HASANUDDIN	05 04 S	119 33 E	14	29	1006.9	1008.9	25.4		29.0		23	674	+111		
DENPASAR/NGURAH-RAI	08 45 S	115 10 E	1	29	1006.9	1007.6	26.8		29.2		19	430	+143		
AMPENAN/REMBIGA	08 34 S	116 04 E	3	29	1005.6	1007.6	26.3		28.7		21	209	+ 12		
SUMBAWABESAR	08 26 S	117 25 E	3	29	1006.4	1007.1	25.6		29.5		25	497	+302		
MAUMERE/WAI OTI	08 38 S	122 15 E	3	29	1004.1	1007.3	26.3				16	119	- 51		
WAINGAPU/MAU HAU	09 40 S	120 20 E	12	29	1005.9	1007.4	26.2				19	162			
BIAK/MOKMER	01 11 S	136 07 E	11	29	1006.3	1007.8	26.4		29.8		22	247	- 36		

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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		%
AUSTRALASIA															
INDONESIA															
SANANA	02 05 S	126 00 E	2	29	1007.8	1008.5	26.6		29.0		13	105	+ 20		
PAPUA NEW GUINEA															
MOMOTE M.O.	02 04 S	147 26 E	5		1006.7	1007.3	27.8	+ 0.7	30.0		14	150		1	
RABAUL M.O.	04 13 S	152 11 E	9		1005.7	1006.7	27.8	+ 0.6	32.4		9	101		1	
MADANG	05 13 S	145 48 E	12		1006.6	1007.2	27.5	+ 0.8	29.1		12	185		1	
PORT MORESBY AIRPORT	09 26 S	147 13 E	47		1001.1	1006.5	27.1		28.9		16	288		5	
AUSTRALIA WESTERN															
BROOME	17 57 S	122 13 E	9		1003.2	1004.2	29.7	+ 0.3	31.3	+0.8	10	195	+ 45	5	
PORT HEDLAND	20 23 S	118 37 E	11		1002.9	1003.6	31.9	+ 1.2	27.4	+2.3	8	78	- 14	4	
NORTH WEST CAPE	21 49 S	114 10 E	8		1004.1	1004.6	31.9	+ 0.8	25.3		7	54			
CARNARVON	24 53 S	113 39 E	4		1004.9	1005.7	30.6	+ 2.8	19.9	-1.8	4	18	- 5	4	
GERALDTON	28 48 S	114 42 E	34		1005.7	1009.6	27.2	+ 1.5	13.9	-2.6	3	66	+ 54	6	
PERTH AIRPORT	31 56 S	115 58 E	18		1012.2	1013.6	25.7	+ 1.3	13.4	-2.0	1	4	- 7	3	109
ALBANY M.O.	34 57 S	117 48 E	69		1008.6	1016.7	19.9	+ 0.1	14.7	-0.4	4	26	+ 5	4	
ESPERANCE M. O.	33 49 S	121 53 E	25		1013.3	1016.4	20.7	- 0.4	15.0	-0.3	1	4	- 20	2	
HALLS CREEK	18 14 S	127 40 E	408		958.5	1004.8	29.9	+ 0.2	20.8	-0.1	1	6	-111	1	
GILES	25 02 S	128 18 E	599		942.7	1007.9	30.5	+ 1.3	10.7		1	12	- 45		121
MEEKATHARRA	26 35 S	118 30 E	518		950.5	1007.0	32.4	+ 2.4	9.1	-3.8	4	10	- 19	3	
KALGOORLIE	30 46 S	121 27 E	360		972.3	1012.6	24.9	+ 0.2	12.2	-1.8	1	6	- 23	3	
FORREST	30 50 S	128 06 E	157		995.5	1013.9	24.3	+ 1.1	14.0	+0.3	2	4	- 10	3	
AUSTRALIA-NORTHEASTERN															
WILLIS ISLAND	16 18 S	149 59 E	8		1005.6	1006.6	27.1	- 0.9	31.3	+0.1	18	305	+ 76	4	
THURSDAY ISLAND	10 35 S	142 13 E	61		1000.1	1007.0	26.5	- 0.6	30.7	+0.1	25	707	+365	5	
DARWIN AIRPORT	12 26 S	130 52 E	29		1001.9	1005.3	27.3	- 0.7	30.2	-0.2	22	586	+224	5	64
TENNANT CREEK M.O.	19 33 S	134 11 E	376		964.6	1005.9	29.4	- 0.1	19.2	+1.8	5	32	- 53	2	105
ALICE SPRINGS	23 48 S	133 53 E	549		948.1	1008.2	27.3	- 0.3	12.9	+1.9	0	T		1	116
MT. ISA M.O.	20 40 S	139 29 E	340		969.1	1007.1	27.6	- 1.4	20.6	+0.6	4	93	+ 9		106
LONGREACH M. O.	23 26 S	144 15 E	193		987.4	1008.9	27.0	- 1.6	20.0	+0.4	5	60	- 14	3	
CHARLEVILLE	26 25 S	146 17 E	304		976.4	1010.3	26.1	- 1.3	17.0	-1.0	3	14	- 58	1	
CAIRNS	16 55 S	145 44 E	7		1006.7	1007.5	26.3	- 1.1	28.4	+1.2	21	546	+105	4	
TOWNSVILLE	19 16 S	146 46 E	6		1008.1	1008.8	26.5	- 0.7	26.1	-1.1	16	299	- 31	3	62
MACKAY	21 07 S	149 10 E	31		1006.4	1009.9	25.2	- 1.0	25.8	-2.0	12	180	-128	1	
GLADSTONE	23 51 S	151 16 E	76		1002.8	1011.5	26.0	- 0.5	22.9	-2.0	7	26	-127	1	
BRISBANE AIRPORT	27 26 S	153 05 E	6		1012.1	1012.8	24.5	- 0.4	21.3	-0.7	7	62	-134	1	108
AUSTRALIA-SOUTHEASTERN															
OODNADATTA	27 33 S	135 27 E	113		998.2	1011.4	29.5	+ 0.3	12.6	+1.1	0	0	- 24	0	119
WOOMERA	31 09 S	136 48 E	166		993.7	1012.7	27.1	+ 1.0	10.6	-1.8	0	0			115
MOREE	29 28 S	149 51 E	212		988.1	1012.1	24.3	- 2.0	19.4	+0.5	9	76	+ 8	4	
COFF S HARBOUR	30 18 S	153 08 E	5		1013.3	1013.9	22.9	- 0.1	21.2	-1.9	17	219	- 32	3	93
COBAR M.O.	31 29 S	145 50 E	265		982.3	1012.1	24.1	- 2.6	17.1	+2.7	7	146		5	
MILDURA	34 14 S	142 05 E	53		1007.3	1013.4	23.7	- 0.1	12.7	-1.3	1	2	- 23	2	
WAGGA	35 10 S	147 28 E	214		988.5	1012.8	21.7	- 1.7	14.9	+0.1	7	44	+ 5	3	
CANBERRA	35 18 S	149 12 E	577		947.9	1013.1	18.9	- 0.9	15.4	+2.6	8	59	+ 1	3	106
CEDUNA	32 08 S	133 42 E	17		1012.6	1014.6	21.7	+ 0.3	12.7	-1.3	0	0	- 15	1	119
ADELAIDE AIRPORT	34 57 S	138 32 E	11		1014.4	1014.9	21.5	- 0.3	12.7	-0.4	1	2	- 23	1	122
MT. GAMBIER M.O.	37 45 S	140 47 E	69		1006.7	1014.9	17.9	- 0.2	12.6	-0.8	2	7	- 27	1	111
LAVERTON AIRPORT	37 52 S	144 45 E	14		1012.9	1014.5	19.5	- 0.3	13.4	-1.0	4	15	- 47	1	121
EAST SALE	38 06 S	147 08 E	8		1013.5	1014.4	18.7	- 0.5	14.7	-1.2	5	38	- 8	3	112
SYDNEY AIRPORT	33 57 S	151 11 E	8		1013.6	1014.1	22.7	+ 0.4	19.9	+0.3	14	92	- 19	4	109
WILLIAMTOWN	32 49 S	151 50 E	9		1012.5	1013.8	22.6		21.7	+1.5	12	61	- 56	2	98
HOBART AIRPORT	42 50 S	147 30 E	7		1011.7	1012.1	17.2	+ 0.2	11.1	-0.9	5	18	- 27	1	114
NEW ZEALAND															
KAITAIA AERODROME	35 04 S	173 17 E	80	29	1005.0	1014.3	18.9		17.6		9	131		4	106
AUCKLAND AERODROME	37 01 S	174 48 E	6	29	1014.5	1015.3	19.1		17.3		6	97		4	121
GISBORNE AERODROME	38 40 S	177 59 E	8	29	1014.6	1015.6	17.5		15.8		8	74		4	86
NEW PLYMOUTH AERODROME	39 01 S	174 11 E	36	29	1011.0	1015.3	17.5		16.0		7	103		3	113
WELLINGTON	41 17 S	174 46 E	128	29	999.5	1015.0	16.3		13.8		8	68		3	111
CHRISTCHURCH AERODROME	43 29 S	172 32 E	34	29	1008.8	1013.0	15.7		13.1		5	60		4	108
HOKITIKA AERODROME	42 43 S	170 59 E	40	29	1009.5	1014.7	16.6		15.3		7	210		3	104
NORTH PACIFIC															
LIHUE, KAUAI, HAWAII	21 59 N	159 21 W	45	29	1012.9	1018.1	23.2	+ 1.3	20.4		8	31	- 63	1	111
HONOLULU, OAHU, HAWAII	21 21 N	157 56 W	5	29	1016.9	1017.4	23.7	+ 1.0	19.0		4	15	- 54	1	116
HILO/GEN. LYMAN, HAWAII	19 43 N	155 04 W	11	29	1016.6	1017.8	21.9	+ 0.1	19.5		18	256	- 87	3	126
WAKE ISLAND	19 17 N	166 39 E	4	29	1013.0	1013.4	26.7	+ 1.9	25.0		5	64	+ 33	5	113
JOHNSTON ISLAND	16 44 N	169 31 W	5	29	1013.9	1014.6	25.7	+ 0.9	24.2		9	57	+ 9	4	94
GUAM, TAGUAC, MARIANA IS.	13 33 N	144 50 E	111	29	998.0	1010.7	24.6	- 0.6	26.0		15	106	- 14	3	60
YAP, CAROLINE ISLANDS	09 29 N	138 05 E	17	29	1007.1	1009.1	26.9	0.0	29.2		19	244	+103	5	91
KWAJALEIN, MARSHALL IS.	08 43 N	167 44 E	8	29	1008.1	1009.0	27.9	+ 0.3	28.4		11	103	+ 28	4	
TRUK, CAROLINE ISLANDS	07 28 N	151 51 E	2	29	1008.1	1008.5	27.6	+ 0.3	29.2		18	257	+ 87	5	107
KOROR, PALAU ISLANDS	07 20 N	134 29 E	33	29	1005.1	1009.0	27.2	+ 0.1	30.0		23	275	+ 71	4	83
MAJURO, MARSHALL ISLANDS	07 05 N	171 23 E	3	29	1008.5	1008.8	27.0	- 0.3	28.3		18	427	+266	6	126
PONAPE, CAROLINE ISLANDS	06 58 N	158 13 E	46	29	1002.4	1007.6	27.5	+ 0.3	29.3		22	336	+ 55	4	41
TARAWA, GILBERT ISLANDS	01 21 N	172 55 E	4	29	1005.4	1005.8	27.5		30.5		7	54		2	
SOUTH PACIFIC															
HONIARA/HENDERSON	09 25 S	160 03 E	9		1006.8	1007.1	27.1	+ 0.5	28.1	-0.6	14	167		2	145

SURFACE DATA

FEBRUARY 1984

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
AUSTRALASIA															
SOUTH PACIFIC															
FUNAFUTI, ELLICE IS.	08 31 S	179 13 E	2	29	1007.5	1007.7	28.1		30.8		15	273		2	
ATUONA, MARQUESAS ISLAND	09 48 S	139 02 W	52	29	1004.0	1009.9	26.3		27.8		15	188		5	100
HIHIFO/AERO/WALLIS IS.	13 14 S	176 10 W	27	29	1005.1	1008.2	27.1	0.0	29.8	-0.4	15	321	+ 24	3	103
APIA, SAMOA	13 48 S	171 47 W	2	29	1008.2	1008.5	26.8		30.7		22	260		2	119
PAGO PAGO, SAMOA	14 20 S	170 43 W	3	29	1008.8	1009.0	27.5	+ 0.4	30.4		15	204	-114	2	64
RANGIROA	14 58 S	147 40 W	4	29	1010.3	1010.7	28.5		28.8		15	80		0	75
TAKAROA, TUAMOTU IS.	14 29 S	145 02 W	3	29	1010.4	1010.7	28.7		30.2		12	151		3	120
PUKA-PUKA, TUAMOTU IS.	14 48 S	138 49 W	3	29	1010.3	1010.7	28.6		29.4		12	54		1	120
HAO, TUAMOTU IS.	18 04 S	140 57 W	3	29	1011.4	1011.8	28.3		29.4		12	83		1	120
HEREHERETUE, TUAMOTU IS.	19 52 S	145 00 W	3	29	1011.4	1011.8	27.7		30.0		8	80		2	115
BORA-BORA, SOCIETY IS.	16 29 S	151 45 W	3	29	1010.2	1010.5	28.6		30.7		11	104		2	130
TAHITI, SOCIETY IS.	17 33 S	149 37 W	2	29	1010.8	1011.1	28.1		29.2		5	25		1	130
NANDI, FIJI IS.	17 45 S	177 27 E	18	29	1005.8	1007.9	27.0		29.7		18	237		2	99
NAUSORI	18 03 S	178 34 E	5	29	1006.4	1007.5	26.3		30.1		20	286		3	
KOUMAC/NOUVELLE-CALEDONIE	20 34 S	164 17 E	18	29	1005.4	1007.5	25.8	- 0.3	26.7	-0.2	9	76	-105	2	92
NOUMEA/NOUVELLE-CALEDONIE	22 16 S	166 27 E	72	29	1000.3	1008.7	24.7	- 1.0	25.3	-0.6	11	196	+ 88	5	87
RAROTONGA, COOK IS.	21 12 S	159 49 W	7	29	1010.4	1009.6	26.7		30.3		16	326		5	74
TOTEGEGIE, GAMBIER IS.	23 06 S	134 52 W	3	29	1003.9	1014.0	27.8		27.8		14	164			
MUROROA	21 49 S	138 49 W	3	29	1012.8	1013.2	28.1		31.2		8	54		1	115
TUBAI, AUSTRAL IS.	23 21 S	149 29 W	3	29	1011.9	1012.2	25.5		28.7		24	268		5	75
RAPA, AUSTRAL IS.	27 37 S	144 20 W	6	29	1013.6	1013.9	23.0		23.5		19	223		4	70
RAOUL IS.,KERMADEC IS.	29 15 S	177 55 W	49	29	1005.4	1011.1	22.6		23.0		13	200		4	80
NORFOLK ISLAND	29 03 S	167 56 E	109		1000.5	1013.0	21.7	- 1.2	18.5	-3.3	5	18		1	127
LORD HOWE ISLAND	31 32 S	159 04 E	11		1009.2	1014.5	22.3	- 0.6	20.1	-2.0	7	37		1	
CHATHAM ISLAND	43 57 S	176 34 W	48	29	1010.4	1016.2	14.7		14.4		7	37		2	92
CAMPBELL ISLAND	52 33 S	169 09 E	19	29	1007.3	1009.6	10.5		10.4		8	59		1	99
MACQUARIE ISLAND	54 30 S	158 57 E	5		1000.5	1001.2	7.7	+ 0.9	9.1		19	81		3	
COCOS ISLAND AP	12 11 S	96 49 E	3		1006.9	1007.2	26.9	- 0.4	28.6	-0.3	17	409		5	
OCEAN SHIPS STATIONS															
SHIP L	57 00 N	20 00 W		29		1010.0	7.1 S 9.3		8.2		0	0			

SURFACE DATA LATE REPORTS

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		%
DECEMBER 1983															
SOUTH AMERICA															
BRAZIL SOUTHERN															
ARAXA	19 34 S	46 58 W	950		899.9	1012.5	19.3	- 1.8	21.3	+0.9	26	268	-101	2	
JANUARY 1984															
AFRICA															
GABON															
BITAM	02 05 N	11 29 E	599	31	943.3	1009.3	23.7		24.6		1	2	- 45		
MITZIC	00 47 N	11 32 E	583	31	944.9	1009.3	23.6		25.3		3	27	- 65		
MAKOKOU	00 34 N	12 52 E	515	31	952.7	1009.8	24.1		25.6		3	32	- 53		
LASTOURSVILLE	00 50 S	12 43 E	485	31	956.1	1009.6	24.1		26.0		5	38	-107		
MOANDA	01 32 S	13 16 E	573	31	946.1	1009.4	23.9		24.9		2	41	-142		
LAMBARENE	00 43 S	10 14 E	26	31	1007.3	1010.1	26.3		29.7		6	90	- 92		
MOUILA	01 52 S	11 01 E	89	31	1000.1	1010.2	25.8		29.0		8	95	-137		
TCHIBANGA	02 51 S	11 01 E	79	31	1000.0	1009.0	25.4		28.3		12	132	- 45		
MAYUMBA	03 25 S	10 39 E	34	31	1006.4	1010.5	25.8		29.3		7	128	- 88		
PORT-GENTIL	00 42 S	08 45 E	4	31	1009.8	1010.3	26.7		29.8		10	220	- 31		
LIBREVILLE	00 27 N	09 25 E	15	31	1008.3	1010.0	27.3		30.6		16	236	- 48		
COCOBEACH	01 00 N	09 36 E	13	31	1009.0	1010.5	26.6		30.4		10	95	-172		

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															
AFRICA															
ZIMBABWE															
CHIPINGA	20 12 S	32 37 E	1132	31	895.4	1569 Y	15.0	+ 1.0		+10.6					

UPPER AIR DATA

FEBRUARY 1984

STATION	TIME OF OBSERVATIONS	SURFACE= 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
NORTH AMERICA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
ALASKA																																									
BARROW	2	1,019		-36.0	0.4					1,308	0	-27.0	4.2	3	45	341	4	2,704	0	-29.6	5.6	3	32	336	3	5,051	0	-41.2	5.3	0	14	317	2	8,405	0	-53.9		1	25	283	4
		11,024	0	-51.0		1	65	260	8	12,894	3	-49.0		3	81	259	12	15,578	4	-46.5		5	89	258	19	20,249	10	-44.3		11	93	259	22	23,677	13	-43.2		15	94	260	26
BARTER ISLAND	2	1,017		-36.7	1.3					1,290	1	-24.3	3.2	2	18	257	1	2,702	1	-26.9	5.6	4	48	230	4	5,072	1	-39.3	4.7	1	81	235	12	8,444	1	-53.8		1	85	242	15
		11,067	1	-50.2		1	88	251	15	12,955	1	-48.1		1	90	259	18	15,645	2	-45.7		2	92	263	22	20,281	4	-44.5		4	95	272	27	23,702	6	-44.3		6	96	275	30
KOTZEBUE	2	1,016		-29.8	5.5					1,297	0	-23.9	6.4	7	55	17	4	2,707	0	-27.5	9.1	9	16	353	2	5,071	0	-39.7	9.4	9	26	234	4	8,436	1	-52.6		10	66	223	9
		11,072	2	-49.1		8	89	228	11	12,972	2	-46.3		8	91	232	13	15,681	2	-43.8		7	90	238	17	20,346	2	-43.6		5	95	246	21	23,785	2	-42.6		5	93	249	25
NOME	2	1,013		-26.3	5.9					1,292	0	-23.0	6.2	7	77	22	7	2,707	0	-26.8	9.6	1	65	359	7	5,075	0	-39.2	9.4	0	39	350	5	8,457	0	-52.3		1	31	275	4
		11,101	0	-48.2		0	71	249	8	13,008	0	-45.6		0	76	240	10	15,722	0	-43.5		0	82	238	12	20,387	1	-43.0		1	93	240	15	23,843	3	-41.8		4	86	241	16
FAIRBANKS	2	990		-26.4	4.1					1,260	0	-15.7	3.6	2	54	128	4	2,720	0	-19.7	6.4	1	81	207	7	5,136	0	-36.6	4.7	0	85	216	11	8,515	1	-53.9		1	89	226	16
		11,151	1	-48.3		2	91	237	14	13,054	2	-45.9		2	90	241	13	15,766	2	-44.1		2	88	248	15	20,429	2	-43.1		2	89	260	14	23,872	2	-43.1		2	88	268	15
MCGRATH	2	994		-27.2	3.4					1,252	0	-17.9	5.2	0	59	49	6	2,703	0	-21.1	6.9	0	37	186	3	5,110	0	-37.0	5.7	1	75	208	9	8,503	0	-52.5		0	83	219	13
		11,154	1	-47.2		1	80	235	12	13,067	1	-45.1		1	79	237	12	15,780	2	-43.6		2	87	240	14	20,452	2	-42.9		2	89	249	13	23,904	2	-41.8		2	83	255	14
BETHEL	2	1,003		-26.3	7.0					1,258	0	-18.2	8.2	0	81	13	8	2,697	0	-23.2	9.6	0	39	359	4	5,098	0	-36.6	8.4	0	39	259	4	8,501	0	-51.9		0	56	241	8
		11,156	0	-47.3		1	79	238	10	13,069	1	-45.1		2	81	235	10	15,787	1	-43.4		2	86	235	11	20,453	3	-42.8		3	86	241	11	23,905	3	-42.2		3	73	238	10
ANCHORAGE	2	991		-7.7	5.1					1,240	0	-8.9	3.6	2	63	131	4	2,717	0	-18.5	3.0	1	85	166	8	5,143	0	-35.4	4.8	0	77	190	10	8,550	0	-52.6		1	87	216	15
		11,195	0	-47.6		1	88	228	14	13,106	0	-45.6		1	88	231	14	15,819	0	-44.4		1	89	240	13	20,476	0	-43.3		1	84	250	10	23,920	0	-42.4		1	71	265	9
ST. PAUL	2	1,009		-12.2	3.3					1,304	1	-16.4	9.6	1	59	30	7	2,748	1	-22.8	9.6	1	52	357	6	5,149	1	-36.4	6.3	1	42	300	6	8,555	2	-52.3		2	62	276	9
		11,192	2	-48.3		2	78	265	10	13,098	2	-46.3		2	79	249	10	15,805	3	-44.1		3	80	238	10	20,470	4	-43.1		4	87	216	9	23,918	4	-42.3		5	74	191	8
COLD BAY	2	997		-7.2	2.5					1,258	1	-13.7	3.4	4	58	335	7	2,721	1	-19.2	8.6	3	49	307	5	5,150	1	-34.1	7.7	2	53	282	8	8,587	1	-50.1		3	71	247	15
		11,254	1	-46.3		3	78	247	13	13,183	2	-44.3		4	85	239	14	15,904	3	-44.0		4	84	234	12	20,557	3	-43.7		3	77	206	6	23,998	3	-42.7		3	55	159	5
KING SALMON	2	997		-19.7	3.5					1,223	0	-12.9	5.1	7	60	6	5	2,688	0	-19.5	6.4	3	21	220	2	5,116	0	-34.4	4.3	3	44	209	5	8,539	0	-51.2		2	72	218	9
		11,198	0	-46.6		2	77	234	10	13,116	0	-44.9		3	82	227	12	15,836	0	-43.6		3	84	231	11	20,492	2	-43.2		4	82	235	9	23,951	3	-41.8		4	51	228	5
YAKUTAT	2	998		0.4	1.9					1,288	0	-5.9	1.2	1	88	165	9	2,780	0	-16.2	4.6	0	87	181	9	5,233	0	-32.8	5.0	0	79	204	14	8,658	0	-52.1		1	82	224	18
		11,298	0	-48.1		2	93	234	14	13,200	0	-47.3		2	95	236	14	15,892	0	-46.1		2	94	244	11	20,514	0	-45.2		2	80	259	8	23,932	1	-43.7		1	58	289	7
ANNETTE ISLAND	2	1,003		4.6	2.5					1,366	0	-3.5	3.8	0	83	177	13	2,876	0	-12.5	6.5	0	83	201	13	5,369	0	-28.2	7.2	1	83	222	18	8,849	0	-51.7		6	75	233	21
		11,469	0	-50.4		7	88	243	15	13,357	0	-48.6		7	89	242	13	16,020	1	-48.3		5	88	249	9	20,596	2	-47.0		4	56	276	4	23,993	2	-45.4		3	36	19	3
CANADA-WESTERN																																									
MOULD BAY	2	1,008		-34.2						1,283	3	-25.0	3.1	0	53	223	4	2,690	3	-27.8	4.5	0	59	239	6	5,048	3	-40.5	7.5	0	35	246	7	8,385	3	-56.2	7.8	0	57	263	7
		10,970	3	-54.5		0	81	285	9	12,816	3	-53.4		0	90	291	13	15,432	3	-52.4		0	94	296	20	19,948	6	-51.0		1	98	303	35								
SACHS HARBOUR	2	1,005		-32.8	1.9					1,290	0	-23.4	3.5	0	72	246	6	2,705	0	-26.5	5.6	0	80	254	9	5,072	0	-39.8	7.5	0	87	255	14	8,425	0	-54.8	8.3	0	91	262	16
		11,029	0	-52.3		0	95	270	17	12,896	0	-50.7		0	95	275	20	15,562	2	-48.4		0	96	280	25	20,125	3	-47.2		0	97	288	35	23,531	4	-46.7		4	98	294	36
CAMBRIDGE BAY	2	1,013		-31.1						1,307	0	-19.6	3.5	0	30	275	2	2,736	0	-24.8	5.4	0	61	291	5	5,121	0	-38.2	7.4	0	82	290	10	8,480	0	-56.1	7.3	0	90	289	17
		11,067	0	-53.4		0	96	292	20	12,923	0	-52.3		0	97	294	23	15,553	0	-50.5		1	98	295	27	20,060	1	-49.9		1	98	302	36	23,403	1	-49.3		7	98	309	32
NORMAN WELLS	2	1,007		-28.9	3.6					1,301	0	-16.7	4.3	0	35	236	2	2,769	1	-18.3	5.0	0	90	258	8	5,203	1	-34.3	6.9	94	0	261	14	8,606	1	-54.2	7.8	1	93	256	19
		11,221	1	-49.6		2	97	259	19	13,312	1	-47.4		2	97	263	20	15,805	2	-46.2		3	95	268	20	20,419	4	-44.7						23,838	4	-44.5					
PRINCE GEORGE	2	932		-1.2	3.3					1,409	0	-1.7	5.8	0	87	200	10	2,930	0	-11.1	6.1	0	87	247	10	5,435	0	-27.1	7.6	0	88	254	17	8,926	0	-51.5	7.5	0	85	257	25
		11,519	0	-54.1		0	89	262	20	13,380	0	-50.4		0	88	266	15	16,024	0	-50.5		0	90	269	10	20,566	2	-47.6		0	57	304	5	22,937	2	-47.8		0	50	8	6
THE PAS	2	981		-9.2	2.5					1,394	0	-6.3	7.0	0	74	292	6	2,894	0	-13.2	7.6	0	82	298	11	5,389	0	-27.7	10.5	0	82	299	16	8,872	0	-51.9	8.0	8	4	303	25
		11,471	0	-52.5		0	87	298	19	13,345	0	-49.7		0	90	299	17	15,988	0	-50.8		0	92	302	14	20,522	2	-49.9		0	81	319	12	23,850	8	-50.3		5	67	344	12
VERNON	2	952		-0.4	2.7					1,455	0	-2.5	3.9	0	75	204	5	2,977	0	-9.2	8.9	0	80	259	10	5,500	0	-25.4	7.5	0	79	269	14	9,017	0	-50.2	8.9	1	80	268	21
		11,604	0	-55.5		1	36	269	18	13,451	0	-52.1		1	86	270	13	16,075	1	-52.2		1	95	274	8	20,572	1	-50.4		1	46	359	3	23,913	1	-49.2		0	67	43	7
PORT HARDY	2	1,010		4.5	1.5					1,408	0	-1.2	3.6	0	78	181	9	2,934	0	-8.8	8.7	0	78	215	12	5,462	0	-24.8	9.0	0	81	234	16	8,978	0	-50.5	9.1	0	82	244	24
		11,576	0	-54.3		0	89	254	20	13,439	0	-50.5		0	87	257	14	16,076	0	-51.0		0	88	260	10	20,596	0	-49.3		0	22	341	1	23,968	3	-48.0		0	69	53	7
CANADA-EASTERN																																									
ALERT	2	1,011		-35.8	2.9					1,282	0	-24.3	4.3	0	22	57	1	2,699	0	-25.9	5.9	0	47	96	4	5,064	0	-41.2	5.9	0	48	122	5	8,371	1	-60.6	6.9	0	53	117	6
		10,878	1	-62.4		0	28	77	3	12,652	1	-62.4		0	29	360	3	15,181	4	-62.8		3	69	341	12																
EUREKA	2	1,016		-44.3						1,271	2	-25.3	3.2	0	14	78	1	2,681	2	-27.0	6.3	0	31	61	2	5,032	2	-42.4	6.6	0	40	92	4	8,336	2	-58.9		0	26	76	3
		10,873	2	-59.3		0	33	345	4	12,676	2	-59.2		0	59	327	7	15,297	8	-57.2		5	87	318	15																
RESOLUTE	2	1,010		-35.9						1,275	1	-25.2	3.9	0	63	324	4	2,682	2	-27.4	5.8	0	63	322	6	5,037	2	-41.4	5.9	0	65	319	9	8,355	2	-57.6	72.0	7	0	312	10
		10,910	3	-56.5		0	81	310	11	12,733	3	-56.5		0	88	308	13	15,318	4	-56.6		1	94	310	18					8	98	313	29								
HALL BEACH	2	1,016		-36.4						1,288	0	-25.4	4.5	0	85	320	6	2,694	0	-27.8	6.5	0	90	322	8	5,047	0	-41.1	6.6	0	86	317	12	8,376	0	-57.0	7.4	0	88	312	15
		10,952	0	-54.8		0	91	308	14	12,793	0	-54.4		0	93	307	17	15,386	0	-55.2		1	95	306	21	19,903	6	-53.3		2	96	311	28	23,419	11	-52.4					
BAKER LAKE	2	1,011		-27.9	2.1					1,329	2	-19.2	3.9	0	40	256	3	2,766	2	-23.1	5.6	0	70	284	6	5,167	2	-36.1	8.0	0	85	296	13	8,560	2	-54.3	8.2	0	90	294	19
		11,163	2	-51.6		0	95	293	21	13,036	2	-50.6		0	96	294	24	15,679	2	-50.2		0	97	297	27	20,233	5	-49.7		2	97	302	29	23,585	6	-49.7		5	92	309	25
CORAL HARBOUR	2	1,010		-30.1	2.1					1,323	0	-22.6	3.6	0	67	312	4	2,742	0	-26.0	5.7	0	78	308	7	5,116	0	-39.4	6.0	0	83	301	11	8,472	0	-55.4	7.5	0	90	300	17
		11,064	0	-53.3		0	94	299	19	12,918	0	-52.9		0	96	300	21	15,531	0	-52.9		1	96	304	23	20,040	2	-53.3		3	95	311	29	23,379	4	-53.3		7	91	319	29
FROBISHER BAY	2	1,015		-32.5						1,294	0	-24.8	5.1	0	84	310	6	2,702	0	-27.4	6.4	0	92	303	10	5,066	0	-40.0	6.2	0	92	295	14	8,416	0	-55.3	7.2	0	92	286	19
		11,006	0	-53.7		0	96	287	18	12,854	0	-53.6		0	96	289	18	15,482	2	-53.7		1	95	294	20	20,051	6	-53.7		6	90	304	26								
CHURCHILL	2	1,014		-21.1	1.8					1,350	0	-15.3	4.5	1	49	310	4	2,810	0	-18.9	6.1	1	77	302	8	5,252	0	-32.7	6.6	1	80	298	14	8,674	0	-53.3	8.2	1	84	299	21
		11,284	0	-51.2		1	92	299	21	13,162	0	-49.7		1	94	300	22	15,810	0	-50.5		1	95	302	23	20,329	0	-50.4		1	93	311	23	23,681	2	-50.5		1	85	322	24
INOUCDJOUAC	2	1,014		-25.4	4.4					1,318	1	-17.7	6.3	0	37	310	3	2,763	1	-20.8	7.6	0	74	294	8	5,185	1	-34.1	8.1	0	79	287	14	8,594	1	-54.5	8.2	0	85	282	20
		11,194	1	-52.3		0	92	286	20	13,058	1	-51.4		0	95	291	21	15,686	1	-52.1		0	96	295	23	20,161	1	-53.0		0	92	305	26	23,487	4	-53.9		4	81	317	22
FORT CHIMO	2	1,012		-23.7	3.2					1,325	0	-19.7	5.3	0	45	301	3	2,762	0	-22.4	7.0	0	78	286	8	5,176	0	-35.0	6.9	0	86	277	16	8,576	0	-54.8	8.1	0	89	271	24
		11,168	0	-53.3		0	93	275	22	13,023	0	-52.6		0	93	280	23	15,635	0	-53.8		0	94	284	23	20,104	1	-54.8		1	89	296	24	23,357	1	-56.2		1	81	305	27
TROUT LAKE	2	989		-14.9	1.8					1,376	0	-11.1	4.5	0	62	309	5	2,856	0	-15.7	7.2	0	80	301	8	5,328	0	-30.1	10.1	0	83	298	14	8,780	0	-52.5	9.2	0	79	292	20
		11,390	0	-51.4		0	87	294	19	13,267	0	-50.1		0	91	298	18	15,910	0	-50.9		0	94	302	17	20,404	1	-51.6		0	85	315	15	23,721	2	-52.1		0	74	330	15
NITCHEQUON	2	947		-17.6	2.0					1,352	0	-13.6	4.4	0	49	266	5	2,825	0	-16.7	5.6	0	75	276	11	5,291	0	-30.3	6.8	0	78	272	17	8,746	0	-52.3	8.8	0	82	265	26
		11,343	0	-53.3		0	88	269	25	13,205	0	-51.7		0	91	274	23	15,826	0	-53.2		0	93	282	22	20,262	2	-54.2		0	88	297	23	23,528	4	-55.1		0	79	311	23

UPPER AIR DATA

FEBRUARY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
NORTH AMERICA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
CANADA-EASTERN																																									
MOOSONEE	2	1,015		-14.4	2.7					1,361	0	-11.7	4.5					2,844	1	-15.0	5.8					5,318	1	-29.8	7.8					8,782	1	-51.7	8.1				
		11,389	1	-52.2						13,259	1	-50.5						15,894	1	-51.8						20,377	2	-52.7						23,671	2	-53.1					
SEPT-ILES	2	1,008		-10.9	3.8					1,365	0	-10.0	5.4	0	49	287	5	2,855	0	-13.6	8.1	0	69	281	10	5,346	0	-27.9	8.1	0	81	268	18	8,830	0	-51.5	7.4	0	79	259	27
		11,423	0	-54.8		0	88	265	26	13,270	0	-53.1		0	90	267	23	15,876	0	-53.8		0	92	273	21	20,305	0	-55.6		0	84	290	18	23,549	0	-56.9		1	71	307	17
GOOSE	2	1,010		-15.9	3.1					1,336	1	-14.9	3.2	0	39	306	5	2,804	1	-16.7	5.1	0	64	277	9	5,272	1	-29.7	7.6	0	76	268	18	8,736	1	-52.3	7.3	0	80	263	29
		11,330	1	-54.2		0	87	264	27	13,180	1	-53.0		0	90	265	25	15,786	1	-54.4		0	91	272	22	20,186	2	-57.2		0	83	286	22	23,390	3	-59.1		0	76	299	25
MANIWAKI	2	993		-7.7	2.6					1,308	0	-6.0	6.1	0	47	269	5	2,896	0	-10.7	8.1	0	69	268	9	5,411	0	-26.5	8.6	0	73	263	14	8,911	0	-49.9	9.2	0	69	258	20
		11,514	0	-54.8		0	83	263	21	13,366	0	-52.6		0	83	267	19	15,076	0	-54.0		0	92	273	16	20,410	0	-55.0		0	77	304	10	23,673	1	-54.6		0	59	332	9
STEPHENVILLE	2	1,005		-4.2	2.0					1,373	0	-6.4	5.9	0	63	256	8	2,881	0	-11.1	8.0	0	78	265	12	5,397	0	-25.9	9.3	0	76	259	18	8,910	0	-49.1	10.4	2	79	268	25
		11,511	0	-56.4		5	85	270	24	13,347	0	-54.2		5	88	267	21	15,943	0	-55.4		3	90	275	19	20,336	1	-57.1		4	79	295	14	23,566	2	-57.7					
SHELBURNE	2	1,011		-0.6	1.4					1,411	1	-2.1	7.1	0	59	258	8	2,935	1	-9.0	10.4	0	69	262	12	5,466	1	-24.4	13.1	0	79	258	18	9,002	1	-48.1	10.6	0	78	259	26
		11,616	1	-55.2		1	84	261	26	13,453	1	-55.0		1	87	265	23	16,036	1	-56.2		2	91	271	17	20,432	2	-55.9		0	72	293	9	23,675	2	-56.8		0	51	323	9
SABLE ISLAND	2	1,014		1.1	1.5					1,418	0	-1.4	6.2	0	71	249	10	2,949	0	-7.8	10.2	0	78	256	14	5,493	0	-23.1	10.9	0	79	256	19	9,045	0	-47.2	10.4	1	79	263	25
		11,656	0	-57.3		1	95	264	27	13,479	0	-55.5		1	89	264	23	16,057	0	-56.5		1	91	270	17	20,441	4	-57.1		3	78	290	11					6	49	335	8
ST. JOHN'S (TORBAY)	2									1,401	1	-4.7	6.0	0	71	252	11	2,913	2	-9.3	12.2	0	78	256	15	5,440	2	-24.2	11.2	0	75	256	21	8,978	2	-47.9	10.1	0	74	257	27
		11,587	2	-56.0		0	82	258	29	13,417	2	-55.6		4	86	261	24	15,996	2	-56.4		0	89	265	20	20,362	4	-58.7		0	79	280	17	23,556	4	-60.5		1	66	290	18
UNITED STATES-NORTHWEST																																									
QUILLAYUTE	2	1,009		5.3	1.4					1,445	0	0.5	5.5	2	78	195	10	2,980	0	-7.8	7.9	0	71	226	11	5,518	1	-24.0	9.3	1	61	252	12	9,043	3	-50.4		4	65	256	17
		11,640	4	-56.1		4	81	263	17	13,484	4	-52.6		4	87	268	13	16,098	4	-53.5		5	82	274	8	20,581	8	-51.4		9	56	64	2	23,924	12	-49.8		12	88	73	9
MEDFORD	2	972		3.2	1.5					1,494	0	2.7	7.2	0	64	216	5	3,042	0	-5.6	8.4	1	61	251	8	5,603	0	-21.8	9.7	0	55	264	12	9,162	0	-48.5		1	65	276	19
		11,752	0	-59.1		1	73	276	18	13,576	0	-55.1		1	82	275	15	16,152	0	-56.9		0	76	279	7	20,558	1	-54.8		1	82	68	4	23,842	2	-52.7		2	96	75	12
SPOKANE	2	934		-0.5	1.4					1,471	0	-0.9	6.5	1	65	222	4	3,003	0	-7.9	9.6	2	74	264	7	5,541	0	-23.8	8.9	2	70	267	12	9,076	0	-49.4		1	66	274	19
		11,666	0	-57.0		2	78	283	16	13,506	0	-52.9		4	85	283	14	16,118	0	-53.8		2	81	286	8	20,591	0	-51.5		2	51	32	3	23,915	0	-50.1		2	85	61	10
GREAT FALLS	2	886		0.7	7.5					1,454	1	2.5	11.7	1	86	249	9	2,993	0	-7.6	9.3	0	91	294	9	5,536	0	-23.6	9.0	0	75	301	12	9,062	1	-50.6		1	66	307	19
		11,645	0	-56.8		1	75	294	16	13,487	0	-52.9		1	83	291	12	16,097	0	-53.8		1	82	295	8	20,564	2	-52.2		2	59	27	4	23,878	3	-51.4		3	83	53	9
BISMARCK	2	955		-4.5	3.6					1,428	0	-2.3	10.2	0	65	330	5	2,953	0	-8.9	11.7	0	76	322	8	5,483	0	-25.0	10.0	0	67	314	11	8,992	1	-50.6		2	62	306	16
		11,589	2	-54.0		2	72	304	15	13,451	2	-51.2		2	80	301	12	16,071	2	-53.2		3	82	302	8	20,551	6	-52.3		6	61	21	5	23,864	8	-51.5		9	79	52	10
HURON/HOMES MUN	2	967		-2.8	2.1					1,419	0	-1.4	9.2	3	60	322	5	2,948	0	-8.5	10.8	2	70	314	9	5,480	0	-24.7	10.6	0	60	300	11	9,001	0	-49.8		1	53	294	13
		11,604	0	-54.4		1	70	289	13	13,465	0	-51.8		1	83	290	11	16,076	0	-54.6		1	86	292	8	20,519	1	-54.1		1	62	11	4	23,800	2	-53.5		4	79	48	9
RAPID CITY	2	902		-1.4	7.1					1,445	0	0.3	9.8	0	81	326	8	2,980	0	-7.2	11.6	0	79	325	9	5,523	0	-23.5	9.7	0	64	313	11	9,051	0	-50.7		0	54	311	14
		11,638	0	-55.9		0	70	301	13	13,491	0	-52.4		0	79	303	11	16,093	1	-55.0		1	81	305	8	20,525	1	-54.1		1	67	24	4	23,805	1	-53.4		1	84	58	10
BOISE	2	920		-2.7	3.8					1,500	0	-2.0	5.7	0	18	169	1	3,036	0	-6.6	9.5	0	60	284	6	5,591	0	-22.0	10.5	1	63	281	11	9,143	1	-48.7		1	59	294	15
		11,731	1	-57.9		2	77	296	16	13,562	1	-54.2		2	82	291	12	16,154	1	-55.5		2	78	286	7	20,585	1	-54.1		1	78	57	4	23,879	1	-52.1		1	92	68	11
WINNEMUCCA	2	871		-2.5	3.9					1,507	1	0.6	6.5	2	25	187	1	3,053	0	-5.2	11.2	1	62	271	6	5,620	0	-21.2	11.1	1	64	279	10	9,188	0	-47.9		1	58	290	14
		11,784	1	-59.5		2	72	294	16	13,603	1	-55.7		2	81	284	13	16,179	2	-57.3		2	84	281	7	20,571	3	-55.5		3	80	70	4	23,855	8	-53.4		10	97	74	11
ELY	2	810		-6.6	3.4													3,058	0	-5.3	11.2	2	48	299	4	5,631	0	-20.4	10.0	0	65	294	10	9,208	1	-47.9		1	61	302	13
		11,794	1	-59.1		1	75	296	16	13,613	1	-55.9		1	85	290	14	16,178	1	-58.9		1	86	289	8	20,549	1	-56.9		1	69	71	4	23,801	2	-54.2		3	87	78	10
SALT LAKE CITY	2	876		-4.7	2.4					1,519	0	-5.6	2.3	2	25	177	1	3,047	0	-7.1	8.4	2	60	297	5	5,600	0	-22.5	10.4	0	61	299	10	9,150	0	-49.1		2	68	314	15
		11,737	0	-58.2		1	79	303	17	13,564	0	-55.3		1	87	298	13	16,142	0	-57.6		0	86	294	8	20,531	0	-56.2		0	78	53	4	23,792	1	-53.8		1	97	69	12
GRAND JUNCTION	2	854		-3.7	6.5					1,535	6	-3.7	6.8	7	52	108	2	3,043	0	-7.0	9.9	0	45	307	3	5,599	0	-21.9	11.0	0	66	312	10	9,149	1	-48.8		1	69	314	15
		11,749	1	-56.6		1	81	305	16	13,587	1	-54.7		1	87	291	14	16,162	1	-58.1		1	90	295	9	20,538	1	-56.8		2	65	54	3	23,785	2	-54.7		3	96	74	10
DENVER	2	834		-3.1	6.1													3,002	0	-5.3	11.6	1	82	325	8	5,558	0	-22.3	9.9	0	69	318	12	9,105	0	-49.1		0	57	308	14
		11,708	0	-56.2		1	78	288	15	13,550	1	-53.9		2	85	293	13	16,137	3	-56.7		3	87	289	9	20,523	4	-56.5		4	69	41	4	23,780	5	-54.6		5	92	70	11
NORTH PLATTE	2	916		-3.7	4.3					1,441	0	0.3	10.1	0	66	335	9	2,979	0	-6.7	11.5	0	63	322	8	5,526	0	-23.3	10.2	0	56	302	11	9,062	0	-49.8		1	46	300	14
		11,663	0	-55.2		2	73	291	14	13,513	0	-53.2		2	80	286	13	16,110	0	-55.8		2	82	285	8	20,514	1	-55.8		2	46	27	3	23,779	2	-54.5		2	74	67	9
UNITED STATES-NORTHEAST																																									
INTERNATIONAL FALLS	2	970		-8.3	2.3					1,395	0	-5.4	8.1	0	46	310	4	2,904	0	-11.6	10.8	0	61	314	6	5,408	0	-27.2	9.3	0	71	308	12	8,900	0	-51.0		0	62	297	17
		11,500	0	-54.1		0	72	296	15	13,362	1	-50.7		1	83	293	13	15,990	1	-52.9		1	84	301	10	20,471	3	-53.1		3	63	341	6	23,767	3	-52.8		3	68	21	8
ST. CLOUD	2	977		-5.8	1.9					1,413	0	-2.5	8.5	0	40	306	4	2,934	0	-9.3	12.3	0	55	304	7	5,459	0	-25.5	9.9	0	56	300	10	8,977	0	-49.9		0	55	290	15
		11,583	0	-54.3		0	70	289	14	13,446	0	-51.6		0	82	289	13	16,066	0	-53.8		0	87	295	10	20,522	0	-53.9		0	62	351	5	23,806	1	-53.5		1	71	38	8
SAULT STE. MARIE	2	987		-5.7	3.2					1,394	0	-5.2	6.3	0	35	272	4	2,904	0	-11.2	9.3	0	57	269	8	5,410	0	-27.4	10.0	0	61	268	11	8,906	0	-50.2		1	66	271	17
		11,520	0	-53.6		1	80	278	17	13,381	0	-51.6		1	88	274	16	15,999	1	-53.3		1	87	285	12	20,451	1	-54.2		2	72	324	7	23,729	1	-54.1		2	61	12	8
CARIBOU	2	991		-7.8	2.3					1,388	0	-6.0	6.6	1	49	285	6	2,899	0	-10.4	8.6	0	67	272	10	5,419	0	-25.8	7.7	0	71	269	14	8,934	0	-49.7		0	69	261	22
		11,540	0	-55.4		1	82	261	24	13,398	1	-53.6		1	89	262	21	16,000	2	-55.1		2	91	270	16	20,413	3	-55.5		3	76	294	12	23,668	4	-56.5		4	57	317	11
DAYTON	2	979		0.5	4.0					1,435	1	-1.3	6.7	3	58	258	6	2,965	0	-7.9	9.8	1	68	265	10	5,508	0	-23.1	11.8	2	70	264	14	9,054	0	-47.5		3	71	262	22
		11,676	0	-54.6		4	86	262	22	13,531	1	-53.7		6	90	269	19	16,114	3	-57.1		7	93	269	14	20,490	7	-56.5		7	63	313	5	23,738	9	-55.1		9	75	49	8
BUFFALO	2	988		-0.4	2.9					1,417	0	-3.6	7.0	0	63	256	7	2,937	0	-9.4	8.3	0	61	263	9	5,463	0	-24.8	11.1	0	70	257	13	8,988	0	-48.8		0	70	250	19
		11,603	0	-54.7		0	85	257	23	13,459	1	-53.4		1	90	262	20	16,054	7	-55.8		7	91	266	15	20,462	12	-56.6		12	71	312	7	23,746	17	-55.4		18	66	39	8
CHATHAM	2	1,013		1.8	3.1					1,429	0	-0.7	6.9	0	64	254	8	2,963	0	-7.3	9.5	1	73	261	11	5,510	0	-22.9	11.3	0	72	257	17	9,062	0	-47.5		0	71	258	24
		11,681	0	-55.8		1	85	261	25	13,518	0	-54.7		1	91	263	22	16,098	0	-57.3		0	92	269	16	20,479	1	-56.9		1	67	296	6	23,732	6	-56.6		7	50	19	6
WASHINGTON DULLES	2	1,006		1.3	3.6					1,440	0	-0.2	7.9	8	58	270	7	2,976	0	-6.7	11.6	7	61	265	9	5,530	0	-22.1	12.5	8	77	267	17	9,094	1	-46.9		7	73	262	23
		11,713	1	-55.5		7	88	263	26	13,552	2	-54.6		7	93	268	21	16,123	2	-58.6		7	95	272	16	20,483	3	-57.9		8	87	296	6	23,719	4	-55.7		9	72	351	5
UNITED STATES-SOUTHWEST																																									
OAKLAND	2	1,021		8.2	2.5					1,515	1	4.8	11.9	1	46	294	4	3,079	1	-2.9	11.2	1	42	277	5	5,666	1	-19.8	12.7	1	55	287	11	9,255	1	-46.9		1	60	292	18
		11,844	1	-60.0		4	74	292	21	13,658	1	-57.0		4	87	283	18	16,205	1	-60.4		6	87	294	12	20,551	1	-57.3		2	84	73	5	23,795	4	-54.8		4	99	84	14
SAN DIEGO	2	1,003		9.1	4.2					1,507	0	8.6	17.8	0	37	308	2	3,090	0	1.1	18.6	1	60	306	7	5,711	0	-16.7	14.4	1	76	288	13	9,329	1	-45.5		1	77	283	21
		11,932	2	-59.2		3	89	281	27	13,739	2	-58.6		4	95	279	23	16,259	2	-63.4		4	95	280	14	20,544	4	-59.7		4	69	68	4	23,765	4	-56.8		4	97	78	11

UPPER AIR DATA

FEBRUARY 1984

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
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	902		14.5	22.8					1,504	0	8.6	20.7	0	12	35	1	3,075	0	-1.7	16.3	0	45	322	4	5,671	0	-18.8	13.1	0	65	309	10	9,266	0	-46.5		3	74	295	17
		11,862	1	-59.5		6	76	283	15	13,681	0	-56.0		5	91	280	16	16,243	1	-59.3		6	91	283	9	20,598	3	-57.0		3	87	69	4	23,858	3	-53.5		3	96	81	11
EL PASO	2	882		3.5	13.2					1,503	0	7.4	17.1	6	42	294	2	3,076	0	-1.0	17.3	4	73	282	7	5,680	0	-18.1	15.1	0	77	292	14	9,285	0	-45.8		4	81	280	21
		11,904	1	-57.4		4	95	278	29	13,725	1	-58.0		4	96	276	27	16,247	2	-63.3		4	95	277	16	20,527	2	-60.5		2	64	50	2	23,735	2	-57.0		2	96	82	9
ALBUQUERQUE	2	837		-1.1	8.7													3,046	0	-4.3	13.6	1	81	301	8	5,623	0	-20.5	13.1	0	75	291	14	9,198	0	-47.3		0	74	291	19
		11,798	0	-57.2		2	87	285	21	13,628	0	-56.2		1	92	279	20	16,177	0	-59.8		0	94	279	12	20,505	2	-59.1		3	69	52	3	23,729	2	-56.1		2	95	73	9
OKLAHOMA CITY/M ROGERS WORLD	2	969		3.7	6.4					1,457	0	3.9	12.9	0	50	276	7	3,013	0	-3.9	14.3	0	66	285	11	5,587	0	-20.8	13.1	1	69	276	15	9,162	0	-46.9		1	65	271	21
		11,775	0	-55.8		2	89	269	25	13,616	0	-55.0		2	95	269	22	16,184	1	-59.1		2	94	271	14	20,527	2	-58.6		3	47	15	2	23,751	3	-56.6		5	89	68	9
VICTORIA	2	1,013		9.9	2.8					1,497	0	8.1	12.6	0	44	247	5	3,080	0	1.1	17.8	0	82	275	9	5,699	0	-16.7	16.8	0	91	267	17	9,338	1	-43.0		1	94	266	30
		11,980	1	-56.5		1	98	264	42	13,792	1	-60.0		1	99	264	37	16,284	3	-66.3		3	97	266	23	20,507	3	-62.4		3	48	14	2	23,700	3	-57.8		3	94	69	6
BROWNSVILLE	2	1,016		13.1	1.8					1,504	0	10.6	11.6	2	42	208	4	3,104	0	3.5	15.0	0	88	264	9	5,748	0	-14.2	14.8	0	97	262	18	9,428	0	-39.9	9.8	0	98	264	39
		12,092	0	-57.2		1	98	261	49	13,890	0	-62.0		2	99	262	42	16,351	0	-69.2		3	98	262	25	20,514	2	-63.1		2	31	39	1	23,699	2	-57.5		2	92	71	6
UNITED STATES-SOUTHEAST																																									
WALLOPS ISLAND	2	1,017		3.7	3.6					1,460	0	0.9	8.9	1	61	261	7	3,004	0	-5.4	12.5	1	71	256	12	5,570	0	-21.1	12.7	1	75	257	20	9,147	0	-46.2		1	79	255	29
		11,769	0	-56.2		1	87	259	32	13,602	0	-55.8		1	92	258	24	16,162	0	-59.1		1	92	264	17	20,502	0	-58.0		1	58	304	4	23,732	0	-56.2		1	62	41	6
MONETT	2	963		1.9	3.1					1,450	0	1.8	9.9	1	51	269	7	2,996	0	-5.4	11.3	1	66	281	10	5,559	0	-21.7	11.5	1	68	274	15	9,117	0	-47.7		2	70	266	19
		11,733	0	-54.9		3	88	266	23	13,583	2	-54.3		5	94	267	19	16,159	2	-58.2		3	93	267	12	20,512	4	-58.2		5	70	349	3	23,741	5	-56.4		7	91	60	8
NORTH LITTLE ROCK	1	995		12.1	11.0					1,465	0	3.3	10.8	0	53	264	6	3,017	0	-4.3	14.4	0	59	265	10	5,592	0	-20.4	12.8	0	68	269	16	9,175	0	-46.4		0	74	265	24
		11,794	0	-55.5		0	91	261	29	13,631	0	-55.9		0	95	264	26	16,188	1	-59.8		1	96	269	16	20,508	1	-59.3		1	35	21	2	23,728	3	-57.1		3	80	66	6
LONGVIEW	2	1,002		6.2	4.3					1,478	0	5.4	15.8	2	57	267	8	3,044	0	-2.2	14.7	0	75	279	10	5,638	0	-19.1	14.0	0	84	269	18	9,237	0	-45.1		2	88	264	29
		11,858	0	-56.3		7	96	261	32	13,686	0	-57.0		6	97	263	31	16,222	0	-62.0		6	94	265	16	20,512	2	-60.4		6	60	35	3	23,723	5	-57.2		7	83	71	7
NASHVILLE	2	995		2.5	2.9					1,456	0	0.9	8.3	1	57	252	7	3,000	0	-5.7	11.7	0	67	262	11	5,562	0	-21.6	11.0	0	70	263	17	9,133	0	-46.4		1	81	260	27
		11,757	0	-55.4		2	90	259	30	13,598	0	-55.0		4	98	264	24	16,161	0	-59.1		1	95	262	15	20,494	1	-59.2		1	56	358	3	23,716	1	-56.4		1	80	54	7
WAYCROSS	2	1,012		7.2	3.2					1,483	0	5.8	11.9	1	64	254	7	3,056	0	-0.7	15.2	0	87	252	12	5,667	0	-16.9	14.4	0	93	254	22	9,304	0	-43.0		3	96	259	31
		11,940	1	-56.5		5	98	263	40	13,755	1	-59.6		6	98	261	37	16,253	2	-65.2		7	98	265	21	20,496	2	-61.6		5	50	315	2	23,693	4	-57.1		4	75	55	5
CAPE HATTERAS	2	1,017		7.8	4.5					1,474	0	3.0	9.0	0	63	246	7	3,032	0	-3.0	15.5	0	75	249	12	5,618	0	-19.3	12.5	0	86	251	21	9,224	0	-44.7		3	87	255	27
		11,848	0	-57.1		10	88	258	28	13,669	0	-57.0		12	95	263	25	16,199	2	-61.3		13	95	262	16	20,503	3	-59.3		7	67	296	4	23,718	5	-56.9		7	51	6	4
CHARLESTON	2	1,016		7.8	3.3					1,482	0	5.2	12.3	1	67	241	7	3,048	0	-1.8	13.8	0	80	254	13	5,652	0	-17.3	14.7	0	88	254	24	9,275	0	-44.2		0	91	253	33
		11,902	0	-56.9		1	94	260	38	13,718	0	-58.8		3	97	261	34	16,228	1	-64.0		5	95	260	19	20,493	4	-61.0		8	38	321	2	23,696	5	-57.7		8	67	40	4
BOOTHVILLE	2	1,017		10.6	2.4					1,497	0	8.0	13.8	3	57	249	5	3,079	0	0.9	15.2	1	83	264	12	5,706	0	-15.6	15.9	1	94	261	21	9,362	2	-42.3		4	96	260	32
		12,010	2	-55.8		6	98	259	44	13,832	5	-59.6		7	98	260	39	16,321	5	-66.2		11	99	263	25	20,555	13	-61.7		15	50	43	2	23,752	15	-56.9		15	92	67	5
APALACHICOLA	2	1,017		8.5	3.3					1,496	0	7.6	14.2	2	65	258	6	3,077	0	0.6	15.9	1	90	263	13	5,702	0	-15.1	13.9	2	94	261	24	9,356	0	-42.6		5	95	260	32
		12,003	0	-56.1		5	98	263	45	13,812	1	-60.3		7	99	264	38	16,296	2	-66.9		10	98	263	24	20,514	3	-62.2		8	24	332	1	23,711	3	-56.8		6	75	63	5
WEST PALM BEACH	2	1,016		16.2	2.2					1,516	0	10.7	8.2	1	46	241	4	3,119	0	4.6	15.6	0	86	253	10	5,776	0	-12.9	10.7	1	95	258	18	9,469	0	-39.5	9.6	1	97	262	34
		12,130	2	-57.0		4	97	266	44	13,924	2	-63.3		5	98	267	36	16,367	2	-70.7		5	98	267	23	20,518	2	-63.4		3	66	307	2	23,706	2	-57.3		2	68	39	3
KEY WEST	2	1,016		19.9	4.5					1,523	0	12.0	8.1	2	39	226	3	3,132	0	5.1	11.9	2	85	246	9	5,798	1	-11.5	13.0	2	95	257	17	9,514	0	-38.3	11.7	1	96	266	33
		12,187	0	-57.3		0	98	262	38	13,971	0	-64.5		1	98	265	35	16,398	0	-72.4		2	98	266	25	20,516	2	-64.1		4	78	265	8	23,707	5	-56.6		8	25	29	1
MEXICO-NORTHERN																																									
EMPALME	2	1,013		12.6	9.5					1,500	5	12.3	16.0	5	13	280	1	3,100	5	3.7	18.9	5	49	323	3	5,742	5	-14.7	14.9	6	85	297	12	9,396	5	-42.5	3.4	5	93	279	25
		12,044	6	-56.9		6	96	270	39	13,853	7	-60.9		7	98	270	34	16,333	7	-67.5		7	98	272	22	20,544	10	-62.2		10	60	70	3	23,750	11	-56.4		11	95	76	7
MAZATLAN CARRASCO	2	1,011		15.9	2.2					1,492	0	15.4	17.6	2	62	160	3	3,109	0	6.1	19.5	0	81	245	7	5,782	0	-11.1	16.2	0	96	265	15	9,503	0	-37.6	10.1	0	98	262	35
		12,185	0	-56.7		0	98	262	42	13,973	0	-64.5		0	99	261	38	16,408	1	-71.7		1	99	261	27	20,534	8	-65.2		10	11	11	**	23,709	10	-57.9		10	63	76	3
MONTERREY AEROP. INTL	2	963		10.5	3.5					1,499	0	10.9	9.9	1	18	234	1	3,100	0	3.8	15.4	0	87	271	8	5,750	0	-13.4	15.9	0	95	262	17	9,436	1	-39.4	10.2	3	96	264	35
		12,104	3	-57.0		7	98	265	42	13,903	3	-61.9		12	99	263	34	16,368	3	-69.0		14	99	265	25	20,546	4	-63.1		10	5	18	**	23,735	9	-57.5		10	88	80	5
CHIHUAHUA UNIV. DE	2	858		2.5	5.3					1,503	1	5.9	11.9	1	63	248	1	3,083	0	1.2	15.6	0	73	265	6	5,709	0	-15.9	15.5	1	77	281	10	9,351	0	-43.2		1	92	272	24
		11,985	1	-56.8		4	98	270	38	13,799	1	-59.4		4	98	268	35	16,300	3	-66.2		8	97	269	21	20,538	10	-61.5		13	32	356	2	23,744	18	-57.0		19	96	76	7
GUADALAJARA	2	845		7.7	2.1													3,125	2	6.7	12.3	22				5,809	2	-9.6	14.3					9,554	4	-36.2	9.8				
		12,243	7	-56.7						14,030	7	-64.7						16,457	8	-72.4						20,544	14	-64.6						23,725	17	-57.7					
MEXICO-SOUTHERN																																									
MANZANILLO	2	1,011		21.1	4.5					1,501	1	17.5	15.6	1	32	244	1	3,131	1	7.6	14.2	0	64	226	4	5,822	1	-8.7	14.7	0	92	265	13	9,580	1	-35.6	9.9	0	95	265	25
		12,275	1	-56.4		1	97	267	30	14,057	1	-65.9		1	97	264	29	16,475	1	-72.8		1	98	262	20	20,546	2	-65.1		4	26	292	1	23,721	4	-58.2		6	52	91	2
VERACRUZ, YLANG YLANG	2	1,015		18.9	2.3					1,530	0	13.4	3.4	0	19	119	1	3,148	0	7.0	9.9	0	61	214	3	5,839	0	-8.4	16.3	0	95	233	12	9,594	0	-36.0	12.5	0	95	234	23
		12,284	0	-56.4		0	97	232	29	14,069	0	-65.8		1	98	228	25	16,481	2	-74.0		2	98	229	18	20,539	3	-65.5		3	17	111	**	23,721	3	-57.5		3	76	40	4
MEXICO CITY INT.AP. D.F.	2	780		8.2	7.5													3,130	0	7.1	8.0	0	75	229	3	5,819	0	-8.6	13.5	0	95	266	15	9,572	2	-35.8	10.1	2	94	261	25
		12,265	2	-56.2		2	96	264	28	14,052	3	-65.7		4	98	258	26	16,466	4	-73.4		6	98	257	21	20,525	16	-66.0		17	9	162	**	23,695	16	-58.0		18	54	68	2
COSTA RICA																																									
JUAN SANTAMARIA		907		18.4	4.1					1,488	0	15.6	6.3	0	95	82	9	3,121	0	9.1	12.4	0	74	71	6	5,831	0	-5.6	20.2	0	70	88	7	9,643	3	-30.6	12.8	3	47	245	7
		12,393	2	-55.6		2	88	243	13	14,141	3	-66.9		3	78	255	19	16,478	3	-76.1		3	33	209	5	20,548	3	-65.1		3	42	246	5	23,714	3	-57.7		3	98	84	17
ADJACENT ISLANDS																																									
GRAND CAYMAN, B.W.I.	2	1,013		23.2	2.8					1,522	6	14.5	3.0	7	66	118	4	3,144	6	7.6	11.8	7	36	140	1	5,839	6	-8.2	17.1	7	86	266	8	9,598	7	-36.2	13.7	7	95	272	19
		12,295	8	-56.0		9	96	263	28	14,074	9	-66.7		10	98	266	25	16,469	9	-75.3		11	97	270	16	20,528	11	-64.1		12	11	215	**	23,720	12	-56.8		12	54	49	3
SAN JUAN/INT., P.R.	2	1,015		20.2	1.2					1,531	0	13.3	4.3	0	94	109	7	3,149	0	7.2	12.9	0	67	96	3	5,843	0	-8.4	16.1	0	54	319	3	9,611	1	-35.1	14.2	1	93	301	15
		12,315	1	-55.7		2	97	294	23	14,097	1	-66.6		1	96	298	19	16,489	1	-76.6		1	94	309	12	20,542	1	-64.2		1	71	332	2	23,737	1	-56.5		1	63	81	3
RAIZET, GUADELOUPE	2	1,016		21.3	2.1					1,526	0	13.3	2.1	0	97	97	8	3,144	0	7.4	14.0	0	79	68	5	5,849	0	-6.4	17.4	0	57	348	3	9,642	0	-32.8	13.3	0	93	298	15
		12,369	0	-53.9		0	94	286	13	14,156	0	-66.9		0	95	290	21	16,543	0	-77.0		0	94	298	16	20,576	0	-64.5		1	37	324	2	23,759	2	-57.4		2	87	96	7
GRANTLEY ADAMS AP.BARBADOS	2	1,009		24.9	4.7					1,529	0	14.0	3.7	0	97	82	7	3,149	0	7.2	14.2	0	62	77	3	5,852	0	-6.8	19.2	0	40	6	2	9,643	0	-33.4	14.2	0	92	288	15
		12,354	0	-55.9		0	93	278	20	14,129	0	-68.1		0	95	285	18	16,503	0	-77.9		0	90	299	10	20,566	0	-62.5		1	63	49	3	23,765	0	-57.0		0	98	89	15

UPPER AIR DATA

FEBRUARY 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
ADJACENT ISLANDS																																									
DR.A. PLESMAN AP,CURACAO	3	1,005		25.6	3.8					1,501	0	16.5	5.7	0	97	100	10	3,132	0	8.4	14.7	0	76	116	5	5,842	0	-6.2	18.7	0	57	68	3	9,650	0	-32.7	13.6	0	86	280	9
		12,373	0	-55.1		0	91	262	13	14,155	0	-67.5		0	93	277	13	16,536	0	-77.7		0	84	295	8	20,576	3	-64.4		3	43	356	2	23,743	4	-58.4		4	92	87	11
DOMINICAN REPUBLIC																																									
SANTO DOMINGO	2	1,012		21.1	1.1					1,515	4	14.3	3.1	1	71	80	5	3,138	4	8.2	13.9	1	42	90	2	5,842	4	-7.2	17.7	1	46	299	3	9,626	5	-33.9	14.2	2	76	271	12
		12,342	5	-54.6		3	81	268	20	14,130	5	-65.7		3	84	269	18	16,535	5	-75.5		3	77	277	11	20,599	7	-63.8		6	39	308	2	23,813	7	-55.5		6	58	55	4
SOUTH AMERICA																																									
VENEZUELA																																									
MARACAY-B.A. SUCRE	2	961		20.5	3.3					1,491	1	16.6	3.7	5	80	83	44	3,123	1	7.9	9.2	5	81	107	8	5,831	1	-6.3	14.1	5	70	94	67	9,643	1	-32.3	11.6	5	35	4	57
		12,370		-54.5		9	13	86	31	14,139	7	-67.5		9	18	360	58	16,530	9	-77.9		9	35	315	7	20,643	21	-66.1						23,827	23	-57.9					
SAN ANTONIO DEL TACHIRA	2	966		21.9	2.6					1,461		17.2	1.7	0	99	135	12	3,095		7.8	2.6	0	94	140	16	5,699		-6.6	18.8	0	57	90	6	9,606		-32.7	12.8	0	37	185	4
		12,326		-55.0		0	58	215	9																																
SANTA ELENA DE UAIREN	2	913		17.1	3.1					1,488	18	17.0	3.7					3,123	18	8.3	7.3					5,828	18	-6.7	10.6					9,626	18	-32.2	13.0				
		12,380		-59.5						14,143	18	-67.9						16,524	18	-79.9						20,552	20	-65.7						23,698	24	-58.3					
FRENCH GUIANA																																									
CAYENNE/ROCHAMBEAU	2	1,011		24.5	1.7					1,505	0	15.6	1.9	0	98	81	9	3,137	0	9.7	9.2	0	95	101	12	5,855	0	-5.1	11.4	1	56	134	3	9,687	0	-30.5	9.7	1	70	278	7
		12,435	0	-52.5		1	84	256	14	14,230	0	-67.1		1	92	279	21	16,600	1	-78.7		1	83	292	10	20,644	2	-67.1		4	87	278	9	23,788	2	-57.4		5	99	100	30
COLOMBIA																																									
BOGOTA/EL DORADO	2	752		9.6	1.6													3,139	3	7.9	2.2	4	87	96	3	5,847	4	-5.7	8.4	5	91	77	4	9,660	4	-32.0	9.1	4	78	117	6
		12,390	5	-54.6		5	56	208	4	14,178	6	-67.0		6	85	282	12	16,555	7	-79.2		7	60	5	3	20,606	13	-67.0		13	90	270	6	23,753	15	-59.1		17	100	79	26
GAVIOTAS/VICHADA	1	982		22.9	1.8					1,425	0	19.3	6.1	11	97	43	8	3,064	0	9.0	3.4	11	82	50	4	5,729	0	-4.7	12.3	11	83	104	4	9,592	0	-30.8	11.4	11	80	147	6
		12,335	0	-53.8		11	81	243	7	14,126	2	-66.1		13	87	282	11	16,630	7	-66.3						20,548	10	-62.9													
PERU																																									
LIMA-CALLAO/INTL AP/	1	1,007		22.9	3.3					1,481	7	17.1	3.1	7	35	331	1	3,118	7	8.4	8.2	7	17	325	1	5,839	7	-5.3	4.3	7	26	152	1	9,669	7	-31.1	7.1	7	96	72	7
		12,404	7	-54.7		8	98	60	12	14,187	8	-68.6		8	89	63	10	16,544	9	-78.9		17	82	68	7	20,540	24	-67.9						23,686	24	-58.2					
BRAZIL-NORTHERN																																									
MANAUS AERO PONTA PELADA		1,003		24.0	1.0					1,516	7	17.1	2.8	6	93	72	10	3,156	7	9.3	4.5	6	92	90	8	5,873	7	-6.2	5.7	6	72	98	5	9,688	7	-31.6	13.7	6	65	126	5
		12,432	7	-53.6		7	68	167	5	14,196	10	-66.3		8	54	249	5																								
VILHENA /AEROPORTO/		945		21.7	0.9					1,508	11	17.3	4.2	11	60	34	2	3,142	11	8.7	3.4	11	57	12	2	5,855	11	-6.5	4.6	11	18	144	1	9,658	11	-31.9	11.9	11	32	146	1
		12,405	11	-52.4		11	33	118	1																																
CACHIMBO		959		21.6	2.8					1,490	9	18.6	6.4	9	84	61	6	3,130	9	9.2	8.5	10	96	70	11	5,854	9	-6.2	9.5	9	59	83	3	9,669	9	-32.0	17.1	9	63	114	3
		12,407	11	-53.4		11	75	140	7	14,196	13	-66.5		13	64	129	6																								
BELEM/AERO VAL DE CAS		1,009		25.8	2.3					1,511	5	17.8	5.5	5	95	76	7	3,151	4	9.4	7.9	6	97	84	8	5,869	4	-5.4	11.1	4	85	84	5	9,692	5	-32.2	13.5	5	27	92	1
		12,417	5	-53.6		5	71	224	5	14,211	5	-67.1		5	90	259	10	16,584	6	-78.5		10	68	252	5																
SAO LUIZ		1,004		26.1	1.8					1,517	4	17.5	5.0	3	94	91	8	3,143	5	9.8	7.8	3	72	130	7	5,860	5	-5.2	9.2	3	87	96	7	9,690	5	-30.3		3	49	215	3
		12,442	5	-52.5		5	74	241	7	14,244	5	-65.3		4	72	261	9	16,616	7	-78.4		5	57	180	5	20,619	11	-69.1		11	58	321	4								
FORTALEZA		1,007		27.3	4.0					1,504	1	18.2	4.0	0	94	108	10	3,146	0	10.5	8.6	1	94	117	9	5,866	0	-4.5	16.5	0	96	92	10	9,684	2	-31.9	14.0	2	14	290	1
		12,401	2	-54.1		2	89	262	11	14,182	4	-67.2		4	88	253	13	16,552	8	-78.2		8	25	92	2																
FERNANDO DE NORONHA		1,004		27.6	4.7					1,508	5	18.0	7.4	5	94	95	7	3,148	6	9.5	13.2	5	89	98	8	5,866	5	-5.3	20.2	5	94	89	8	9,694	5	-31.9	18.2	5	33	140	2
		12,412	6	-53.8		6	63	258	7	14,222	7	-66.3		7	89	260	12	16,588	7	-78.7		7	53	100	4	20,599	11	-72.5		13	13	174	1								
NATAL /AUGUSTO SEVERO/		1,005		29.2	5.8					1,507	10	17.5	12.3	10	97	122	10	3,143	10	9.2	17.0	10	88	110	8	5,854	10	-5.0	22.8	10	92	92	9	9,681	10	-32.1	21.1	10	34	135	2
		12,422	10	-52.8		10	83	257	9	14,221	10	-65.7		10	89	256	10	16,625	10	-77.1		10	63	107	4	20,654	12	-68.5		12	60	88	3	23,763	12	-60.9		12	99	98	26
CAROLINA		989		24.5	1.9					1,516	3	17.9	3.1	4	74	76	2	3,153	2	9.7	6.9	5	93	106	7	5,869	2	-4.8	12.4	2	91	99	5	9,696	2	-29.1	10.4	3	49	225	3
		12,466	3	-53.1		4	59	218	4	14,241	5	-68.1		5	74	213	4																								
RECIFE /CURADO/		1,011		29.2	7.9					1,519	7	17.4	4.9	6	96	107	6	3,164	6	10.0	15.3	6	86	82	5	5,869	10	-4.6		9	90	73	7	9,678	11	-32.4		11	34	343	2
		12,405	14	-53.6		13	65	265	7																																
BRAZIL-SOUTHERN																																									
CAMPO GRANDE		949		26.1	5.1					1,528	4	21.1	6.8	4	81	35	4	3,168	4	10.2	7.2	4	75	34	5	5,882	4	-6.0	10.4	4	89	80	5	9,685	5	-32.2	13.4	6	75	100	6
		12,436	4	-52.0		4	58	116	6	14,235	5	-64.7		4	78	116	9	16,623	6	-76.0		5	80	110	7																
BRASILIA/AEROPORTO/		897		22.5	5.4					1,531	7	19.8	5.6	4	91	75	8	3,179	7	9.7	8.7	5	77	46	6	5,889	7	-6.2	10.4	4	88	59	7	9,700	7	-32.5	17.3	4	68	101	7
		12,434	8	-53.7		4	71	126	11	14,227	9	-66.0		5	78	119	11	16,621	10	-76.9		7	93	79	11	20,679	14	-67.1													
TRINIDADE/ILHA/		1,015		30.2	6.1					1,542	8	17.1	5.9					3,178	8	9.5	13.8					5,878	9	-5.8	28.1					9,671	9	-35.0					
		12,367	8	-56.2						14,145	8	-67.2						16,540	10	-76.8																					
RIO DE JANEIRO/AERO GALEAO		1,009		28.0	5.6					1,549	7	20.4	8.3	7	46	27	2	3,195	8	11.2	18.9	7	11	71	4	5,920	7	-5.3	19.7	7	71	92	4	9,730	7	-32.7	18.5	8	60	99	6
		12,460	7	-52.8		7	68	109	12	14,266	8	-64.5		8	77	116	13	16,660	8	-77.2		8	86	118	11	20,738	13	-63.2		14	98	97	14	23,933	13	-55.2		13	98	97	19
SAO PAULO(AEROPORTO)		925		23.1	5.5					1,537	4	19.8	8.7	4	61	29	4	3,188	4	10.5	12.6	4	51	95	2	5,899	5	-6.5	16.7	4	45	72	3	9,702	5	-33.1	18.8	4	65	107	6
		12,432	4	-53.2		4	70	116	11	14,228	4	-66.4		4	78	113	13	16,616	4	-75.7		4	83	114	11	20,706	9	-64.1		9	96	100	11	23,899	10	-55.7		10	98	93	18
CURITIBA/AERO AFONSO PENA		914		21.5	4.5					1,535	4	19.2	9.1	4	79	30	4	3,184	4	10.7	16.7	4	67	350	3	5,904	4	-5.9	20.0	4	40	99	2	9,715	3	-34.7	20.6	3	29	82	2
		12,451	3	-52.8		3	50	112	7	14,251	3	-65.8		4	53	92	7	16,645	3	-75.8		5	53	97	6	20,751	10	-62.6		11	99	86	12	23,969	12	-53.4		14	91	83	13
PORTO ALEGRE/AERO S.FILHO		1,011		27.0	5.7					1,525	2	19.6	7.2					3,171	3	9.9	10.0					5,888	2	-6.1	12.5					9,701	2	-31.8	17.1				
		12,447	3	-52.3						14,252	2	-64.8						16,649	2	-76.3						20,756	6	-62.3						23,990	6	-52.3					
CHILE																																									
ANTOFAGASTA/CERRO MORENO	2	999		17.7	2.8					1,487	0	16.3	14.1	0	91	35	3	3,127	0	10.5	18.1	0	25	352	1	5,852	0	-5.1	15.2	0	22	354	1	9,681	0	-30.8	15.3	0	83	279	9
		12,426	0	-52.9		0	91	304	13	14,222	0	-66.9		0	79	313	10	16,604	0	-76.3		0	19	351	1	20,715	1	-62.9		1	99	89	14	23,937	2	-53.5		2	99	86	18
QUINTERO	2	1,014		13.4	2.1					1,501	0	15.5	20.3	1	73	177	3	3,129	0	8.6	22.2	0	58	326	4	5,819	0	-9.4	18.5	0	72	280	9	9,562	1	-36.7	14.1	1	81	277	16
		12,258	1	-54.1		3	93	289	22	14,072	1	-61.4		3	97	292	22	16,540	1	-68.6		4	96	288	13	20,764	2	-58.3		4	86	76	6	24,042	4	-49.9		6	98	90	13

UPPER AIR DATA

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STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
SOUTH AMERICA																																									
CHILE																																									
PUNTA ARENAS/CARLOS IBANEZ	2	994		8.0	3.8					1,311	0	1.0	4.0	1	84	274	12	2,847	0	-8.2	6.0	1	86	267	13	5,379	0	-25.0	8.8	0	83	268	17	8,916	1	-47.0		3	83	273	23
		11,586	1	-48.6		5	89	271	21	13,476	1	-49.2		5	91	274	17	16,132	2	-50.0		6	92	271	13	20,688	5	-48.2		8	80	272	4	24,082	10	-45.0		13	14	138	1
ANTARCTICA																																									
ISLAS ORCADAS B.N.	2	991		1.1	1.8					1,234	1	-14.3	1.4					2,750	1	-10.4	4.8					5,262	1	-26.2	7.4					8,764	1	-50.7	7.4				
		11,421	1	-46.7						13,324	1	-46.6						16,010	1	-46.5						20,624	5	-45.3						24,016	20	-43.1					
BELLINGSHAUSEN		987		2.1	1.9					1,234	2	-3.2	1.8	4	45	308	6	2,749	2	-11.5	3.2	2	54	285	8	5,258	2	-27.0	5.8	2	51	286	9	8,750	2	-51.1	4.0	2	54	282	13
		11,406	2	-46.6	7.4	2	75	276	12	13,316	2	-46.2	9.3	2	78	275	11	16,007	2	-46.4	10.7	2	89	272	10	20,632	4	-44.6	12.9	6	77	270	5	24,051	6	-42.9	15.2	6	36	216	2
NOVOLAZAREVSKAJA		975		-3.5	7.1					1,199	1	-11.0	5.5	1	93	99	12	2,667	1	-19.7	3.6	1	76	86	7	5,098	1	-33.8	3.8	1	39	62	3	8,516	1	-53.3	3.8	1	38	333	4
		11,176	2	-45.6	7.3	2	42	292	3	13,089	2	-45.1	9.7	2	48	278	3	15,798	2	-44.6	11.9	2	48	283	3	20,451	2	-42.4	14.8	2	35	277	2	23,906	4	-41.2	16.2	4	0	296	0
MOLODEZNAJA		985		-4.2	6.3					1,195	0	-8.6	6.3	0	70	59	6	2,679	0	-15.6	5.6	0	20	45	2	5,150	0	-28.9	5.8	0	21	316	2	8,644	0	-49.9	4.3	0	58	275	11
		11,289	0	-48.0	6.6	0	78	283	10	13,198	0	-45.9	8.9	0	83	282	10	15,896	0	-56.1	7.0	8	6	282	9	20,531	0	-44.0	13.6	0	78	277	6	23,967	1	-42.7	15.3	1	66	283	4
MIRNYJ		980		-4.5	4.5					1,167	0	-10.1	4.3	0	91	86	10	2,646	0	-17.4	4.2	0	71	76	6	5,095	1	-32.3	5.0	0	33	325	3	8,551	0	-50.0	4.8	0	60	270	10
		11,231	0	-44.8	7.7	0	81	263	10	13,156	0	-44.4	9.6	0	86	262	10	15,871	0	-44.1	11.6	0	81	264	8	20,532	0	-42.8	13.4	1	61	270	4	23,992	1	-40.8	14.7	1	33	292	2
LENINGRADSKAJA		952		-6.8	6.1					1,186	1	-10.4	7.0	1	52	125	6	2,663	1	-16.9	7.2	1	8	216	1	5,128	1	-30.2	7.3	2	62	277	8	8,595	1	-50.5	5.4	2	76	284	16
		11,283	1	-43.7	9.2	1	85	289	14	13,215	1	-44.1	11.0	1	89	296	13	15,931	1	-44.2	12.3	1	93	300	11	20,587	2	-43.3	14.2	2	83	306	6	24,029	2	-42.6		2	61	310	3
MCMURDO	1	933		-9.6						1,212	7	-15.1		7	35	170	14	2,658	7	-21.9		7	11	340	19	5,075	7	-34.0		7	49	310	21	8,511	7	-49.5		9	58	310	30
		11,221	9	-42.7		9	70	330	16	13,172	10	-41.9		9	86	320	17	15,121	11	-41.0		9	85	330	9	20,721	17	-38.7		9	75	340	7	24,221	21	-38.5		9	52	340	6
VOSTOK		629		-47.5	3.0																					5,073	0	-39.4	3.2	0	58	203	4	8,427	0	-55.2	3.1	0	42	225	3
		11,095	1	-44.9	5.0	1	49	263	2	13,017	2	-43.7	6.3	3	55	277	2	15,752	3	-42.0	7.9	3	59	294	2	20,471	5	-40.1	10.2	5	52	350	2	23,986	12	-39.8	12.5	9	59	23	2
AMUNDSEN-SCOTT	1	685		-38.5														2,697								5,048	0	-38.8		0	41	285	8	8,416	0	-52.8		0	49	236	9
		11,094	0	-45.2		0	69	194	7	13,023	1	-44.2		1	81	172	7	15,752	2	-43.0		2	89	164	7	20,438	4	-41.2		5	92	143	7	23,896	6	-41.2		7	90	138	7
EUROPE																																									
GREENLAND																																									
DANMARKSHAVN	3	1,005		-19.1	3.4					1,268	0	-18.8	4.9	0	11	356	1	2,704	0	-23.1	6.5	0	18	185	2	5,101	0	-37.3	6.3	0	52	197	8	8,461	1	-58.6		1	72	210	14
		10,970	1	-63.5		1	78	216	13	12,731	1	-64.7		2	71	225	11	15,191	4	-67.7		4	53	250	8																
SCORESBYSUND	3	993		-12.9	1.8					1,247	1	-16.0	5.5	1	20	349	2	2,699	1	-20.3	7.4	1	44	206	6	5,112	1	-36.3	8.6	1	70	207	13	8,489	1	-56.4		1	82	213	24
		11,015	1	-61.7		1	84	223	23	12,787	1	-63.6		1	84	232	21	15,248	1	-67.4		1	80	246	20	19,414	6	-71.2		8	57	282	16	22,439	7	-71.6		7	51	305	17
EGEDESMINDE	3	1,005		-32.2	6.5					1,229	0	-30.2	6.9	0	28	303	1	2,603	0	-33.4	8.1	0	18	254	1	4,914	0	-44.1	12.6	0	28	185	4	8,235	0	-55.3		0	38	224	6
		10,816	0	-56.2		0	60	262	9	12,636	0	-58.2		0	71	278	11	15,170	0	-61.1		0	76	291	15	19,443	1	-63.5		5	80	324	23	22,743	10	-64.1					
ANGMAGSSALIK	3	986		-8.5	2.7					1,194	0	-14.2	4.5	0	72	81	6	2,642	0	-23.0	5.4	0	52	133	5	5,035	0	-37.5		0	48	190	8	8,427	0	-53.1		0	79	221	18
		11,017	2	-55.8		2	90	231	19	12,839	2	-58.1		2	91	241	20	15,386																							
NARSSARSSUAQ	3	999		-18.7	5.2					1,223	0	-17.0	9.9	0	14	245	1	2,662	0	-22.9	11.1	0	77	282	9	5,065	0	-35.2	12.7	0	84	263	20	8,480	0	-52.6		0	85	253	27
		11,079	0	-54.7		0	88	252	25	12,912	0	-56.0		0	90	253	24	15,465	1	-58.6		1	89	265	26	19,822	3	-62.4		5	82	291	30	23,049							
ICELAND																																									
KEFLAVIK	2	991		0.1	2.7					1,254	0	-7.7	4.5	0	73	217	11	2,740	0	-16.3	8.1	0	84	218	14	5,193	0	-32.4	7.6	0	83	220	22	8,634	0	-52.9		0	81	228	30
		11,204	0	-59.3		1	86	239	28	13,001	0	-60.4		2	88	248	25	15,518	3	-64.5		3	86	256	24	19,715	6	-68.8		6	73	273	23	22,851	11	-67.1		11	59	297	23
UNITED KINGDOM																																									
LERWICK	3	1,004		4.3	2.3					1,412	0	-4.1	5.0	0	61	219	9	2,925	0	-10.6	11.4	0	61	237	9	5,435	0	-27.1	29.0	6	1	256	11	8,925	0	-52.1		0	56	274	12
		11,466	0	-63.6		0	70	281	15	13,225	0	-64.3		1	77	272	16	15,686	1	-66.3		0	82	278	20	19,806	2	-72.2		1	86	276	31	22,809	2	-74.2		4	84	279	34
STORNOWAY	3	1,011		5.6	2.5					1,407	0	-2.9	4.0	0	72	244	10	2,927	0	-9.8	12.8	0	61	250	10	5,442	0	-26.5	10.9	0	55	256	11	8,941	0	-50.7		0	60	272	16
		11,485	0	-62.0		0	71	279	17	13,249	2	-62.6		0	78	272	18	15,741	2	-64.2		0	84	278	21	19,992	11	-68.6		6	81	278	29								
AUGHTON	3	1,012		3.7	2.6					1,459	0	-2.3	6.5	0	42	266	5	2,981	0	-9.4	11.7	0	43	285	6	5,502	0	-25.4	11.9	0	48	300	10	9,014	0	-50.3		0	54	321	17
		11,576	0	-61.9		0	52	323	13	13,355	0	-60.4		0	66	307	14	15,862	0	-62.9		0	75	296	15	20,089	0	-67.6		1	84	282	22	23,163	1	-69.9		2	85	278	30
CRAWLEY	3	1,003		3.7	2.3					1,469	0	-2.7	6.8	0	28	317	4	2,991	0	-9.5	13.0	0	37	322	6	5,512	0	-25.6	12.6	0	53	336	11	9,017	0	-51.0		0	56	343	17
		11,576	0	-61.1		0	61	335	15	13,369	0	-59.2		0	71	320	13	15,893	0	-62.0		0	81	299	13	20,134	0	-65.8		0	92	282	21	23,229	0	-67.6		0	87	274	27
IRELAND																																									
VALENTIA OBSERVATORY	3	1,019		7.7	2.4					1,478	0	-0.9	5.1	0	57	270	8	3,013	0	-7.0	12.8	0	57	284	10	5,561	0	-22.8	11.7	1	58	298	13	9,111	0	-48.6	12.1	4	43	305	11
		11,680	0	-62.7		4	44	299	10	13,449	1	-64.9		4	59	291	11	15,963	2	-62.2		5	73	289	14	20,163	10	-67.3		10	79	284	21	23,176	15	-68.6		15	71	282	24
DENMARK AND FAROE IS																																									
THORSHAVN	3	999		4.8	1.9					1,354	0	-3.4	3.0	0	68	230	12	2,867	0	-10.9	7.8	0	71	236	13	5,376	0	-26.8	8.8	0	73	245	15	8,862	0	-52.2		0	74	255	20
		11,410	0	-62.8		0	74	265	21	13,177	0	-63.8		2	84	262	21	15,648	1	-66.3		4	87	267	24	19,800	5	-70.1						22,797	12	-73.7					
KOBENHAVN/JAEGERSBORG	3	1,016		0.2	2.0					1,452	0	-5.4	5.9	0	23	161	2	2,958	0	-12.7	8.2	0	4	152	1	5,444	0	-29.5	9.5	0	26	354	4	8,907	0	-52.1		0	49	9	10
		11,474	0	-59.4		0	42	342	7	13,274	0	-59.6		0	60	312	9	15,788	0	-62.9		0	79	292	14	20,022	0	-67.7		0	92	278	28	23,076	0	-70.1		3	93	273	37
NORWAY																																									
BJORNOYA	3	1,001		-1.5	1.6					1,303	0	-9.0	1.5	0	59	250	9	2,783	0	-16.9	6.3	0	77	254	13	5,230	0	-33.2	5.5	0	77	260	15	8,632	0	-56.9		0	81	266	21
		11,141	0	-65.8		0	87	268	21	12,876	0	-68.3		0	89	269	19	15,279	2	-72.3		2	87	273	18	19,337	7	-76.6		7	77	295	17	24,288	11	-72.0		9	53	330	13
JAN MAYEN	3	996		-1.1	2.8					1,258	0	-8.0	3.6	0	51	197	8	2,740	0	-16.9	5.9	0	64	209	11	5,188	0	-32.6	6.4	0	71	221	16	8,604	0	-55.8	7.8	0	76	232	25
		11,115	2	-63.5	10.0	4	88	244	24	12,870	2	-65.3	11.3	4	88	248	21	15,310	3	-69.1	12.5	4	86	255	22	19,444	5	-72.2	13.4	9	74	267	24	22,419	6	-73.4	13.1	9	67	276	24
BODO	3	1,012		1.7	3.0					1,394	0	-6.7	3.5	0	82	232	11	2,891	0	-13.7	6.7	0	83	241	13	5,372	0	-29.7	7.0	0	67	251	13	8,824	0	-54.5		0	62	262	15
		11,352	0	-64.1		0	73	266	17	13,096	0	-67.6		0	81	265	18	15,520	0	-70.2		0	89	273	22	19,161	0	-75.0		1	83	278	28	22,513	0	-77.2		2	78	279	29
ORLAND	3	1,014		1.4	4.4					1,468	0	-5.3	5.6	2	70	238	9	2,923	0	-12.2	7.5	1	72	236	10	5,417	0	-28.5	8.6	1	51	245	9	8,886	0	-53.1		1	49	274	11
		11,433	1	-63.6		2	62	272	14	13,189	1	-64.9		2	73	272	15	15,649	1	-68.1		2	82	269	19	19,759	3	-73.6		6	86	273	27	22,708	7	-76.1		9	86	280	34
STAVANGER/SOLA	3	1,015		1.1	4.5					1,443	0	-5.1	4.4	0	41	188	5	2,954	0	-11.6	7.4	0	84	232	4	5,458	0	-26.9	6.2	0	30	295	5	8,951	0	-51.1		0	42	325	8
		11,514	1	-61.0		0	49	320	10	13,294	1	-62.1		0	68	290	13	15,794	1	-64.2		0	76	283	16	19,975	6	-70.2		0	88	280	28	22,996	14	-72.2		0	89	287	35
OSLO/GARDERMOEN	3	997		-4.5	1.6					1,451	0	-6.6	5.9	0	39	210	3	2,954	0	-12.8	10.0	0	41	235	4	5,446	0	-28.4	10.5	0	26	284	4	8,925	0	-51.8		0	41	326	8
		11,489	0	-60.9		0	45	312	9	13,269	0	-62.3		0	58	291	10	15,757	0	-65.0		0	79	286	16	19,919	0	-70.9		0	88	280	27	22,913	0	-73.4		0	88	278	36

UPPER AIR DATA

FEBRUARY 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
FINLAND																																									
SODANKYLA	3	997		-6.7	2.2					1,428	0	-7.1	5.1	0	82	240	11	2,926	0	-13.7	4.0	7	8	248	11	5,401	0	-30.4	8.7	0	72	257	12	8,840	0	-55.3	7.9	0	60	264	14
		11,356	0	-65.4		0	64	272	14	13,088	0	-68.3		0	76	273	15	15,504	0	-70.9		0	83	276	18	19,534	1	-77.4		1	86	281	24	22,458	6	-78.6					
JYVASKYLA/LUONETJARVI	3	1,009		-7.3	1.7					1,483	0	-6.6	7.8	0	73	225	7									5,454	0	-29.8	8.4	0	32	220	4	8,899	0	-54.7	7.2	0	12	200	2
		11,425	0	-63.8		0	23	272	3	13,183	0	-65.7		0	50	279	7	15,636	0	-68.9		0	77	278	13	19,723	6	-74.7													
JOKIOINEN	3	1,013		-5.5	1.2					1,482	0	-6.3	7.1	0	65	200	6	2,979	0	-14.0	10.3	0	46	212	5	5,457	0	-29.8	9.0	0	22	189	3	8,906	0	-54.2	8.8	0	4	90	1
		11,447	0	-62.1		0	17	302	3	13,217	0	-64.1		0	48	293	7	15,686	0	-66.8		0	77	285	13	19,820	0	-73.2		0	90	282	26								
FRANCE																																									
BREST/GUIPAVAS	1	1,010		5.0	3.0					1,491	0	-1.3	5.7	9	22	28	2	3,022	0	-7.9	9.8	9	29	9	4	5,559	0	-24.1	9.7	9	46	355	8	9,092	1	-48.9					
		11,635	4	-60.9						13,429	7	-59.1																													
TRAPPES	1	1,001		2.2	2.4					1,476	2	-3.5	5.5	2	24	349	3	2,993	2	-10.1	8.7	2	40	353	6	5,513	3	-26.2	7.0	2	54	347	11	9,015	3	-51.1		3	55	350	14
		11,578	3	-59.9		4	66	334	14	13,393	4	-58.0		4	75	324	12	15,929	4	-61.0		4	88	302	12	20,216	6	-64.4		6	93	278	17	23,318	8	-65.6					
NANCY/ESSEY	2	995		3.0	4.9					1,463	0	-3.9	6.0	0	4	340	1	2,977	0	-10.6	9.8	0	28	350	4	5,487	0	-27.0	9.4	0	41	350	9	8,998	2	-51.0		0	46	353	13
		11,568	1	-57.0		0	64	337	12	13,395	1	-56.3		0	71	316	11	15,954	4	-59.7		1	83	291	11	20,231	3	-63.0		6	91	276	18	23,367	4	-64.5		7	92	272	27
LYON/SATOLAS	2	992		3.9	4.2					1,471	1	-3.6	3.3	0	50	323	4	2,987	1	-10.0	8.0	0	51	348	6	5,502	1	-26.5	8.7	0	52	339	11	9,010	2	-50.6		1	59	338	19
		11,600	2	-56.9		2	71	321	14	13,432	3	-55.3		2	73	309	11	16,000	3	-57.9		3	78	292	11	20,337	4	-61.2		5	93	270	17	23,494	6	-61.6		9	96	265	25
BORDEAUX/MERIGNAC	1	1,018		4.2	2.2					1,497	1	-1.9	6.2	3	57	326	6	3,024	1	-8.4	11.3	3	64	338	9	5,561	1	-24.2	10.0	3	62	345	13	9,090	1	-49.2		3	68	337	18
		11,672	2	-58.8		3	79	327	19	13,469	3	-57.6		3	84	316	16	16,011	3	-60.2		4	91	297	14	20,316	5	-62.4		8	93	278	14	23,485	10	-62.6		9	91	273	20
NIMES/COURBESSAC	1	1,012		4.8	6.4					1,471	2	-2.3	4.8	2	67	353	6	2,994	2	-9.4	10.2	2	59	339	7	5,514	2	-26.1	10.3	2	64	333	12	9,025	3	-49.8		3	63	331	17
		11,617	3	-56.9		3	73	314	16	13,447	3	-56.4		5	82	292	13	16,016	4	-59.1		7	89	286	13	20,371	7	-60.6													
AJACCIO/CAMPO DEL ORO	2	1,015		10.7	7.8					1,445	1	-0.6	6.7	2	36	309	2	2,973	2	-10.0	7.0	1	48	316	5	5,509	2	-25.9	9.3	2	54	324	10	9,004	2	-49.2		3	55	328	16
		11,617	2	-54.4		3	69	305	16	13,460	2	-54.7		4	74	288	13	16,032	3	-58.2		5	82	275	13	20,373	7	-60.2		9	90	272	13								
BELGIUM																																									
UCCLE	2	1,008		2.6	2.1					1,457	0	-4.3	5.1	1	21	331	3	2,970	0	-11.0	4.9	1	33	350	5	5,473	0	-27.4	5.0	1	45	352	9	8,958	0	-51.8		1	48	354	14
		11,523	0	-58.6		1	57	347	14	13,336	0	-57.9		1	66	329	13	15,880	1	-60.8		2	80	301	12	20,151	4	-64.2		5	92	275	20	23,256	7	-66.6		9	94	269	28
NETHERLANDS																																									
DE BILT		1,019		1.6	1.6					1,455	0	-3.6	7.1	0	14	334	2	2,972	0	-10.7	15.3	0	27	350	4	5,477	0	-27.2	16.1	0	40	354	8	8,967	0	-51.7		0	50	356	15
		11,535	0	-59.3		0	56	350	14	13,343	0	-58.6		0	67	329	12	15,875	0	-61.5		0	80	304	13	20,151	2	-65.6		0	80	284	19	23,257	9	-68.6		1	91	277	29
SWITZERLAND																																									
PAYERNE/ STN. AEROLOGICAL	3	962		0.3	3.5					1,468	0	-4.8	2.9	0	12	315	2	3,091	0	-12.5	6.5	0	26	345	4	5,483	0	-27.8	7.3	0	43	345	9	8,963	0	-51.9	5.7	1	52	348	16
		11,549	0	-55.8	6.3	1	64	331	13	13,381	0	-56.3		1	73	309	12	15,937	0	-59.7		1	85	286	13	20,248	1	-62.6		2	92	273	19	23,401	1	-62.9		4	83	276	23
FEDERAL REP OF GERMANY																																									
SCHLESWIG	3	1,015		0.3	1.7					1,453	0	-4.5	5.7	0	16	161	2	2,963	0	-12.0	9.3	0	3	3	**	5,458	0	-28.9	9.7	0	29	354	4	8,933	0	-52.1	7.6	0	49	5	11
		11,500	0	-59.6	7.6	0	49	359	10	13,300	0	-59.7		0	58	327	9	15,821	0	-62.6		0	75	297	12	20,053	0	-67.7		0	90	282	22	23,117	0	-70.7		0	92	276	30
HANNOVER	3	1,014		0.8	2.1					1,454	0	-4.5	5.0	0	4	253	0	2,964	0	-12.1	8.7	0	15	12	2	5,461	0	-28.3	9.1	0	31	7	5	8,937	0	-52.4	7.8	0	37	4	9
		11,508	0	-58.3	8.3	0	49	356	10	13,319	0	-58.0		0	58	330	9	15,856	0	-61.3		0	80	298	12	20,107	0	-65.9		0	91	280	20	23,204	0	-67.9		1	93	274	29
BERLIN/TEMPELHOF	2	1,015		0.8	3.3					1,454	0	-5.1	6.0	0	21	157	2	2,961	0	-12.4	8.6	0	8	116	1	5,448	0	-29.7	9.4	0	13	10	2	8,907	0	-52.8	10.5	0	32	3	6
		11,478	0	-57.7	12.0	0	40	349	6	13,299	0	-57.4		0	54	322	7	15,841	3	-60.7		3	80	296	11	20,109	3	-64.8		3	91	277	21	23,209	3	-66.2		3	95	273	31
ESSEN	3	1,002		2.3	3.2					1,460	0	-4.2	4.8	0	10	314	1	2,972	0	-11.1	8.9	0	25	1	3	5,475	0	-27.6	9.2	0	35	2	7	8,957	0	-51.6	7.8	0	46	355	14
		11,530	0	-58.1	7.8	0	55	350	12	13,344	0	-57.6		0	67	327	11	15,880	0	-61.1		0	82	304	12	20,144	0	-65.6		0	92	280	20	23,248	0	-67.6		0	94	275	29
STUTTGART/CANNSTATT	3	982		0.7	3.4					1,456	0	-5.4	3.4	0	20	282	2	2,962	0	-12.4	6.7	0	21	355	3	5,457	0	-28.5	8.8	0	28	350	5	8,932	0	-51.9	7.7	0	43	353	13
		11,516	0	-56.3	8.1	0	57	342	11	13,348	0	-56.0		0	67	318	9	15,909	0	-59.3		0	80	295	11	20,204	0	-63.1		0	92	276	19								
MUNCHEN/OBERSCHLEISSHEIM	3	962		-2.1	2.0					1,458	0	-5.2	3.8	0	35	281	4	2,964	0	-12.6	6.7	0	19	316	2	5,457	0	-28.9	7.4	0	19	359	4	8,923	0	-52.6	7.5	0	31	1	9
		11,513	0	-54.9	8.5	0	46	330	8	13,353	0	-55.5		0	66	308	9	15,916	0	-58.8		0	82	290	13	20,241	0	-62.6		0	92	275	19	23,392	0	-63.8		0	95	269	28
GERMAN DEMOCRATIC REP																																									
GREIFSWALD	1	1,021		-0.7	2.0					1,459	0	-5.2	4.8	0	17	161	2	2,965	0	-12.6	5.8	0	12	97	1	5,449	0	-29.6	6.1	0	20	15	3	8,907	0	-53.1	6.1	0	37	6	8
		11,472	2	-59.0	6.7	0	40	3	7	13,274	4	-57.8	7.4	0	50	324	7	15,810	5	-61.6	7.5	0	73	293	11	20,059	9	-66.4		0	90	280	24	23,089	12	-69.5		1	94	272	34
LINDENBERG	1	1,007		-1.1	2.1					1,457	0	-5.3	5.2	0	7	175	1	2,960	0	-13.3	6.1	0	5	109	1	5,440	1	-29.5	5.6	0	12	359	2	8,903	1	-52.9	5.3	0	26	9	7
		11,476	1	-57.4	6.0	0	36	352	6	13,300	3	-56.8	6.7	0	52	309	7	15,831	5	-60.4	7.0	0	82	291	12	20,107	11	-64.3		1	90	274	23	23,200	13	-67.7		4	94	271	34
MEININGEN	1	966		-2.1	2.6					1,456	0	-5.7	3.9	0	7	200	1	2,959	0	-13.0	6.7	0	11	6	1	5,444	1	-29.1	7.4	0	26	358	5	8,906	1	-52.6	6.5	0	34	358	9
		11,470	2	-56.8	7.0	0	45	339	8	13,297	4	-57.6	7.5	0	63	316	9	15,844	8	-60.5	8.0	0	80	295	11	20,120	11	-64.8		1	91	280	20	23,230	14	-67.3		8	89	273	29
AUSTRIA																																									
WIEN/HOHE-WARTE	3	998		1.0	4.1					1,468	0	-5.4	3.5	0	12	207	3	2,971	0	-12.8	6.5	0	11	214	3	5,458	0	-29.4	8.6	0	9	187	3	8,903	0	-54.0		0	14	267	6
		11,476	0	-55.5		0	37	295	11	13,311	0	-55.7		0	64	289	17	15,875	0	-58.9		0	84	276	24	20,200	5	-62.5		5	92	270	37	23,337	8	-63.4		8	96	270	55
CZECHOSLOVAKIA																																									
LIBUS	3	984		-0.2	3.1					1,456	0	-5.8	2.4	0	13	198	1	2,959	0	-12.6	4.8	0	5	101	1	5,446	0	-29.1	5.3	0	11	9	2	8,903	0	-53.0	4.6	0	19	360	5
		11,477	0	-56.5	4.7	0	32	343	6	13,306	0	-56.4	5.1	0	44	315	7	15,862	0	-59.2		2	62	293	9	20,245	19	-61.8		26	96	262	20								
POPRAD/GANOVCE	3	936		-3.4	2.2					1,465	0	-6.6	2.6	0	7	212	1	2,963	0	-13.4	3.9	0	22	194	3	5,450	0	-28.8	6.2	0	20	216	2	8,906	0	-54.2	4.7	0	17	242	3
		11,468	0	-57.1	5.0	0	42	280	6	13,293	0	-56.1	5.5	0	61	280	8	15,859	1	-59.3		1	85	275	12	20,151	1	-63.5		1	94	275	20	23,232	10	-64.7		10	95	270	28
HUNGARY																																									
BUDAPEST/LORINC	/	1,004		0.8	4.1					1,459	4	-5.1	3.4	4	16	124	2	2,963	4	-12.8	4.6	4	19	181	2	5,453	4	-28.9	6.2	4	31	222	4	8,904	4	-54.2	4.8	4	32	249	6
		11,482	7	-55.5		7	54	276	8	13,319	8	-55.2		8	74	277	10	15,894	11	-58.0		11	89	276	14	20,217	23	-61.8		23	95	273	21	23,370		-62.8			96	272	29
SZEGED	3	1,011		1.0	2.9					1,467	5	-4.5	3.4	6	29	132	2	2,975	5	-12.1	4.3	6	26	179	2	5,472	5	-28.4	5.7	5	35	217	5	8,925	6	-54.5	4.6	6	45	248	8
		11,499	6	-55.5		6	73	264	10	13,340	7	-54.6		7	87	265	12	15,923	8	-57.3		8	93	269	14	20,270	21	-59.6		21	94	268	20								
POLAND																																									
LEBA	3	1,024		-0.6	2.5					1,470	1	-5.7	4.8	1	36	165	3	2,972	1	-13.3	5.3	1	24	135	3	5,451	1	-30.0	6.1	1	9	80	1	8,909	2	-53.6		2	20	20	4
		11,469	3	-59.7		3	20	15	3	13,265	5	-59.1		5	45	315	6	15,813	9	-61.9		9	78	295	12																
POZNAN-LAWICA	3	1,013		-0.3	3.4					1,475	1	-6.4	5.4	1	27	160	3	2,975	2	-13.6	7.1	2	12	120	1	5,459	2	-29.8	6.6	2	4	25	1	8,912	2	-53.5		2	17	30	4
		11,467	4	-57.6		4	23	340	3	13,296	7	-57.6		7	60	305	7	15,848	10	-60.4		10	81	290	11																

UPPER AIR DATA

FEBRUARY 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
POLAND																																									
LEGIONOWO	3	1,013		-1.4	3.3					1,474	0	-6.6	4.8	0	34	150	4	2,971	0	-13.8	6.6	0	29	160	4	5,447	0	-30.6	6.5	12	29	190	3	8,884	0	-55.4		0	6	290	1
		11,437	0	-58.3		0	23	300	3	13,251	0	-58.1		0	68	290	8	15,789	1	-61.4		2	90	280	13	20,071	7	-65.7		7	98	280	24	23,206	11	-67.3		12	98	275	38
WROCLAW I-MALY GADOW	1	1,008		-0.9	2.7					1,462	1	-6.6	3.4	1	15	190	2	2,962	1	-13.5	4.7	1	11	140	1	5,447	2	-29.8	5.2	4	29	180	5	8,888	3	-54.0		9	21	165	5
		11,451	4	-56.6						13,264	10	-57.1																													
GIBRALTAR																																									
NORTH FRONT	3	1,022		13.5	5.5					1,530	0	-5.2	11.1	0	39	326	3	3,093	0	-2.7	16.1	0	65	323	8	5,673	0	-20.0	14.2	0	69	315	13	9,252	0	-47.5		0	70	303	18
		11,838	0	-60.1		0	76	297	20	13,630	0	-59.7		0	85	290	19	16,151	0	-62.2		0	90	285	16	20,435	0	-60.8		0	84	278	10	23,630	1	-58.2		1	89	265	14
PORTUGAL																																									
LAJES /ACORES/	1	1,014		12.6	4.0					1,582	0	4.0	3.1	1	25	155	2	3,130	0	-1.3		1	25	180	3	5,730	0	-19.1		0	41	220	5	9,310	0	-47.4		0	33	245	7
		11,880	1	-62.7		2	61	265	10	13,850	9	-59.9		9	83	275	12																								
LISBOA/GAGO CONTINHO	2	1,013		11.3	6.7					1,540	0	5.1	18.4	0	73	349	6	3,099	0	-2.4	27.6	1	73	341	8	5,673	0	-20.2	21.1	1	74	326	12	9,236	0	-48.3	18.4	0	77	317	18
		11,806	0	-61.6	19.3	1	81	304	18	13,590	0	-60.7	22.5	1	90	295	15	16,107	0	-61.8		2	92	294	13	20,409	2	-61.4		2	88	279	10	23,582	3	-58.7		5	88	269	13
CAPE VERDE																																									
SAL	2	1,008		21.6	7.6					1,517	4	17.6	31.6	4	80	100	6	3,153	4	9.8	30.1	4	15	110	1	5,849	4	-9.2	20.0	4	73	240	14	9,603	4	-35.2		4	94	250	27
		12,305	4	-55.3		4	93	255	39	14,132	4	-66.3		4	94	260	34	16,514	4	-73.2		4	94	250	22	20,596	7	-65.0		7	51	260	3	23,779	8	-57.0		8	96	85	8
MADEIRA																																									
FUNCHAL	2	1,017		16.4	6.8					1,554	0	7.7	12.8	0	63	51	5	3,135	0	0.5	22.8	0	11	129	1	5,745	1	-17.3	16.7	1	34	262	4	9,374	2	-45.0		2	61	264	10
		11,971	6	-60.3		6	83	271	18	13,784	9	-59.9		9	97	276	22	16,291	9	-64.2		9	96	271	15																
SPAIN																																									
LA CORUNA	3	1,017		9.3	3.8					1,536	0	1.7	11.5	0	47	347	5	3,081	0	-5.4	17.9	0	63	341	10	5,642	0	-21.7	11.3	0	75	336	15	9,194	0	-48.8	9.1	0	77	334	19
		11,768	0	-61.0		0	74	320	15	13,559	0	-59.8		0	89	311	13	16,088	0	-61.1		1	92	300	12	20,383	2	-61.5		3	95	280	14	23,554	4	-61.4		4	94	272	19
MADRID/BARAJAS	3	948		6.1	7.2					1,522	0	2.5	11.9	0	60	350	5	3,068	0	-5.2	17.9	0	69	345	8	5,627	0	-22.2	15.6	0	68	331	12	9,179	0	-48.2	13.3	0	70	319	17
		11,770	0	-59.0		0	78	314	18	13,573	0	-58.5		0	85	304	15	16,116	0	-60.2		0	87	294	13	20,432	0	-60.4		0	89	276	12	23,574	8	-58.9		8	96	265	21
PALMA/SON BONET	3	1,014		10.6	6.5					1,490	0	0.8	6.7	0	69	330	6	3,023	0	-7.6	14.9	0	76	334	9	5,563	0	-23.5	20.1	0	70	329	13	9,093	0	-48.9	18.7	0	72	320	21
		11,682	0	-58.0		0	73	309	20	13,498	0	-57.2		0	82	297	16	16,045	0	-49.5		0	90	286	15	20,361	0	-60.2		0	89	275	12	23,570	0	-57.4		1	87	273	15
ITALY																																									
UDINE/CAMPOFORMIDO	3	1,006		5.2	7.8					1,452	0	-3.3	8.8	0	49	66	7	2,962	0	-11.3	11.4	0	30	47	7	5,462	0	-28.1	12.2	0	14	310	4	8,931	0	-52.4		0	31	312	15
		11,526	0	-54.5		0	56	305	22	13,371	0	-54.4		0	70	298	23	15,950	0	-57.4		0	82	281	25	20,299	0	-60.7		0	93	271	34	23,463	0	-61.4		0	95	270	50
MILANO/LINATE	3	1,007		3.5	6.5					1,462	0	-3.1	11.2	0	33	39	4	2,975	0	-11.2	13.7	0	23	353	4	5,477	0	-27.7	15.6	0	35	1	13	8,963	0	-51.2		0	45	337	27
		11,561	0	-55.3		0	50	326	26	13,404	0	-55.2		0	55	309	23	15,974	1	-57.8		1	73	284	26	20,296	2	-60.8		2	91	271	34	23,472	4	-60.7		4	91	265	44
ROMA/FIUMICINO	3	1,015		7.9	4.9					1,447	0	-0.3	8.7	0	8	286	2	2,974	0	-9.0	12.2	0	28	272	6	5,491	0	-26.8	12.2	0	44	275	16	8,981	0	-51.1		1	50	280	24
		11,591	0	-53.6		3	68	286	31	13,442	0	-53.6		3	78	281	32	16,027	0	-56.8		4	85	272	30	20,400	1	-59.2		7	93	267	31	23,605	2	-58.5		9	92	262	38
BRINDISI	3	1,015		10.1	3.5					1,447	0	0.2	8.6	1	20	228	4	2,977	0	-8.8	10.3	0	50	223	10	5,500	0	-26.4	14.2	0	58	250	16	8,985	0	-51.9		0	71	262	31
		11,588	0	-53.9		0	87	261	35	13,438	0	-53.9		0	94	259	36	16,019	0	-57.6		0	96	260	34	20,315	8	-60.2		8	97	260	42	23,460	16	-57.3		16	98	256	63
CAGLIARI/ELMAS	3	1,017		9.7	4.7					1,470	1	0.9	9.7	1	48	300	9	3,002	1	-8.5	13.9	1	56	291	13	5,526	1	-25.8	17.0	2	62	284	21	9,040	1	-48.6		3	61	299	30
		11,664	1	-53.6		3	74	295	32	13,515	1	-54.3		3	81	283	29	16,093	1	-57.7		3	87	280	26	20,459	1	-58.9		4	79	278	19	23,669	3	-57.2		6	88	270	27
TRAPANI/BIRGI	3	1,015		13.0	3.3					1,467	0	2.6	8.5	0	39	272	7	3,061	0	-7.0	12.1	0	51	282	13	5,546	0	-54.5	12.8	0	56	281	19	9,062	0	-49.3		0	69	279	33
		11,681	0	-53.8		1	79	279	36	13,530	0	-54.5		1	57	272	26	16,106	1	-58.2		3	84	283	29	20,462	3	-58.9		6	88	276	21	23,684	7	-57.2		9	76	287	14
YUGOSLAVIA																																									
ZAGREB/MAKSIMIR	1	1,005		-0.1	2.4					1,458	0	-5.3	2.7	0	14	79	1	2,963	0	-12.6	6.0	0	3	195	**	5,457	0	-28.1	8.8	0	28	231	4	8,921	0	-53.2		0	32	279	6
		11,512	0	-54.1		0	57	290	10	13,359	0	-54.2		0	72	284	11	15,941	0	-57.4		0	89	276	13	20,294	3	-60.6		3	95	272	18	23,460	8	-61.4		9	96	268	26
BEOGRAD/ZELENO BRDO	3	991		0.5	2.9					1,464	0	-3.4	4.5	0	26	183	2	2,977	0	-11.3	6.0	0	33	229	3	5,481	0	-27.8	8.9	0	42	243	6	8,947	0	-53.5		0	50	267	9
		11,533	0	-54.7		0	78	275	12	13,377	0	-54.1		0	90	277	14	15,963	0	-56.7		0	93	280	15	20,330	6	-59.2		6	95	283	15								
BULGARIA																																									
SOFIA OBS.		950		-0.2	2.9					1,473	0	-4.0	2.2	0	34	142	2	2,988	0	-10.1	3.9	0	75	224	6	5,498	0	-27.1	4.9	0	77	237	8	8,980	0	-52.8	3.6	0	73	247	13
		11,573	0	-54.7	5.9	0	90	256	17	13,420	0	-54.0	6.0	0	96	259	18	16,010	0	-57.1	6.7	0	97	261	17	20,362	0	-59.6	7.0	0	97	266	18	23,573	1	-57.8	7.0	1	97	266	23
KURDJALI		981		2.8	3.0					1,487	0	-3.0	2.3	3	48	220	3	2,984	0	-10.5	3.9	0	73	240	6	5,495	0	-28.9	3.1	1	92	270	12	8,973	0	-53.2	4.0	0	99	285	10
		11,544	0	-54.8	4.8	0	99	295	15	13,383	0	-54.6	7.2	1	99	295	21	15,977	3	-57.9	5.0	3	99	295	21	20,324	8	-59.3	6.3	8	99	295	14	23,512	18	-58.2	6.2	9	99	270	3
TURKEY																																									
SAMSUN	2	1,020		9.4	4.3					1,494	0	0.9	6.2	0	67	210	4	3,029	0	-7.7	9.3	0	71	230	5	5,572	0	-24.2	11.3	0	73	270	8	9,101	0	-48.7		0	83	280	15
		11,722	0	-53.0		0	83	270	15	13,580	2	-51.0		0	88	260	15	16,215	6	-52.6		6	87	270	13	20,703	11	-51.2		11	78	280	11	24,052	15	-46.4		16	86	280	12
ISTANBUL/GOZTEPE	2	1,016		7.9	5.6					1,496	0	-3.6	3.8	1	28	160	2	3,015	0	-8.4	10.5	1	86	190	6	5,551	0	-26.0	9.9	1	69	260	9	9,023	0	-51.1		1	82	235	18
		11,628	0	-54.0		1	88	250	22	13,474	2	-54.5		3	87	265	21	16,049	4	-57.5		5	90	265	20	20,424	8	-58.2		9	95	260	18	23,644	12	-56.2		12	87	275	14
IZMIR	2	1,014		11.9	5.6					1,474	0	2.0	4.6	0	33	270	2	3,016	0	-7.1	6.7	0	67	275	6	5,551	0	-24.8	6.0	0	87	285	13	9,094	0	-49.6		0	87	285	27
		11,672	0	-54.0		0	94	285	30	13,515	0	-55.0		0	97	280	30	16,081	0	-58.5		1	89	295	24	20,412	1	-59.7		4	91	270	20	23,615	4	-56.2		9	95	270	20
ANKARA/CENTRAL	2	914		8.0	9.2					1,506	0	2.4	5.8	0	60	180	3	3,043	0	-7.8	6.7	0	62	230	5	5,576	0	-25.1	7.0	0	78	240	11	9,070	0	-50.3		0	83	260	25
		11,686	0	-54.4		0	86	260	31	13,480	0	-54.5		0	78	260	25	16,101	0	-58.0		0	81	260	21	20,449	10	-58.6		11	78	270	14	23,667	16	-55.5		17	83	265	15
ISPARTA	2	902		9.1	8.4					1,488	0	4.8	7.0	0	80	170	4	3,037	0	-6.2	9.3	0	88	230	7	5,582	0	-23.7	8.6	0	93	240	14	9,120	0	-48.0		0	91	248	30
		11,736	0	-55.2		0	91	248	32	13,573	0	-55.5		0	89	250	31	16,130	0	-59.3		0	90	249	1	20,456	0	-59.3		0	92	255	23	23,668	4	-55.9		4	83	250	19
DIYARBAKIR	2	941		10.1	14.0					1,497	0	2.8	10.7	0	60	320	3	3,039	0	-6.5	10.6	0	70	305	6	5,589	0	-22.6	11.5	0	82	295	13	9,160	0	-45.2		0	92	290	29
		11,816	1	-51.6		1	92	280	29	13,680	3	-52.0		3	93	280	28	16,296	7	-53.2		7	92	270	25	20,809	16	-47.4		16	88	270	20	24,233	20	-40.2		20	89	275	19
USSR																																									
MURMANSK		1,009		-4.9	3.3					1,412	0	-6.3	5.7	0	81	257	12	2,908	0	-14.5	7.1	0	81	258	12	5,382	0	-30.5	6.8	0	69	261	14	8,821	0	-55.6	5.1	0	62	267	16
		11,319	0	-66.6	4.6	0	67	271	18	13,036	1	-69.9	4.5	1	83	272	19	15,423	3	-73.2	4.5	3	79	274	19	19,403	4	-80.7	4.4	4	85	279	24	22,291	5	-80.6	4.3	6	81	280	24
ARKHANGELSK		1,030		-7.3	3.4					1,494	0	-7.3	6.3	0	82	233	10	2,990	0	-14.2	8.5	0	72	234	11	5,467	0	-29.9	6.7	0	67	241	11	8,913	0	-55.9	4.8	0	52	248	11
		11,404	0	-67.9	4.2	0	46	258	11	13,124	0	-69.8	4.1	0	57	265	13	15,529	0	-71.8	4.1	0	66	268	15	19,566	4	-76.6	4.2	5	82	272	19	22,481	8	-76.9	4.9	9	79	270	19
LENINGRAD /TOWN/VILLE/		1,023		-6.4	3.2					1,513	0	-7.8	5.0	0	78	204	8	3,008	0	-14.8	6.7	0	67	196	7	5,477	0	-30.2	7.4	0	34	179	5	8,928	0	-55.0	5.3	0	17	145	4
		11,456	0	-63.7	5.0	0	5	182	1	13,215	0	-65.1	5.3	0	21	274	4	15,675	0	-67.4	5.4	0	56	269	11	19,794	1	-73.0	5.6	1	85	271	23	22,772	6	-74.8	5.6	8	91	272	33

UPPER AIR DATA

FEBRUARY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED
EUROPE		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
USSR																																											
KAUNAS		1,016		-2.6	4.0					1,487	0	-7.2	4.9	0	62	153	7	2,985	0	-13.8	6.1	0	51	161	6	5,462	0	-30.2	5.5	0	39	163	5	8,904	0	-54.9	4.6	3	32	187	5
		11,455	0	-59.3	4.6	4	25	234	4	13,256	0	-59.4	4.9	4	30	242	5	15,779	0	-62.2	5.1	4	40	242	6	20,031	0	-65.7	5.2	3	50	265	9	23,113	0	-67.4	5.2	5	54	269	11
MINSK		1,001		-6.3	3.6					1,502	0	-8.4	4.7	0	62	161	8	2,992	0	-14.5	7.6	0	57	158	6	5,463	0	-30.8	6.2	0	23	180	4	8,890	0	-56.1	4.5	0	11	223	3
		11,424	0	-60.2	5.0	0	11	293	2	13,223	0	-59.7	5.8	0	51	288	6	15,739	0	-62.8	6.2	0	79	285	13	19,957	0	-67.5	6.4	0	91	282	25	23,017	1	-70.0	6.4	1	93	280	36
VOLOGDA		1,022		-10.4	4.6					1,556	0	-8.4	10.0	1	78	189	8	3,042	0	-15.4	11.4	0	78	183	8	5,513	0	-30.6	9.4	0	54	164	6	8,954	0	-55.9	6.8	0	25	136	4
		11,455	0	-65.6	6.0	0	4	173	1	13,199	0	-66.0	6.1	0	24	271	4	15,643	1	-68.4	6.3	1	64	260	11	19,736	2	-73.1	5.8	4	86	250	21	22,730	4	-73.9	5.7	9	85	250	28
MOSKVA		1,015		-10.0	3.5					1,561	3	-9.0	10.3	3	75	186	8	3,045	3	-16.0	10.3	3	71	189	7	5,504	3	-32.1	6.6	3	46	191	5	8,922	3	-57.1	5.4	3	29	189	5
		11,442	4	-62.5	5.3	5	22	232	3	13,219	4	-61.7	5.9	4	66	283	8	15,711	4	-64.5	6.2	4	84	289	15	19,925	11	-69.1	6.2	9	92	286	20	22,969	13	-70.6	6.5	9	95	286	40
KAZAN		1,029		-11.9	2.8					1,594	0	-9.2	9.9	0	15	333	1	3,077	0	-15.9	11.4	0	15	353	1	5,539	0	-31.0	8.7	1	30	50	2	8,975	0	-55.5	6.7	2	27	48	3
		11,475	0	-65.7	5.7	4	15	2	2	13,230	0	-64.8	5.9	5	46	336	6	15,703	1	-65.2	6.1	8	81	310	12	19,903	6	-68.6	5.9	9	85	296	19	22,934	7	-70.8	6.1	9	84	290	22
SARATOV		1,023		-11.6	3.8					1,595	0	-9.0	9.9	0	81	111	7	3,079	0	-15.1	11.6	0	63	115	4	5,536	0	-31.4	9.1	0	22	130	2	8,965	0	-56.0	6.0	0	11	220	2
		11,482	0	-62.4	5.7	0	34	274	5	13,263	0	-60.9	5.9	1	64	283	10	15,773	0	-62.5	6.0	0	91	283	18	20,013	0	-65.7	6.1	0	91	281	27	23,113	1	-65.6	6.4	2	92	280	31
LVOV		984		-3.1	2.7					1,474	0	-6.2	3.6	0	17	152	2	2,976	0	-14.2	4.8	0	17	175	2	5,461	0	-29.0	5.1	0	32	207	4	8,916	0	-54.6	4.6	0	15	244	3
		11,476	0	-57.8	4.8	0	37	277	5	13,296	0	-56.7	5.2	0	51	286	7	15,863	0	-58.4	5.6	0	76	278	13	20,200	0	-61.8	5.8	0	92	279	21	23,355	1	-63.3	5.9	8	95	274	30
KIEV		1,008		-5.5	3.3					1,496	0	-7.5	5.0	0	75	140	9	2,994	0	-12.7	6.5	0	57	158	5	5,485	0	-28.5	5.0	0	46	194	5	8,934	0	-55.3	3.7	0	34	225	6
		11,473	0	-58.7	4.3	0	52	263	7	13,287	0	-57.4	5.3	0	81	274	10	15,834	0	-59.9	6.0	0	91	276	15	20,094	0	-64.5	6.3	0	95	277	26	23,206	0	-65.6	6.7	0	96	275	35
HAR KOV		1,015		-7.9	4.3					1,533	3	-9.0	8.0	3	88	133	12	3,029	3	-13.3	11.0	3	91	139	8	5,510	3	-29.8	6.8	3	45	160	4	8,938	3	-56.6	4.8	3	29	211	4
		11,466	3	-60.1	5.1	3	67	264	7	13,261	3	-58.7	6.0	3	86	273	11	15,796	3	-61.3	6.8	3	92	279	17	20,033	7	-65.0	6.9	7	93	277	28	23,127	7	-65.2	7.4	8	96	275	41
ODESSA		1,020		-1.8	2.2					1,483	0	-5.0	4.8	0	44	134	5	2,997	0	-11.1	6.6	0	55	197	4	5,500	0	-27.6	6.2	0	49	242	5	8,957	0	-54.9	4.5	0	55	254	9
		11,518	0	-57.0	5.5	0	84	264	13	13,349	0	-55.7	6.7	0	95	267	16	15,918	0	-58.1	7.5	0	90	268	18	20,246	0	-61.6	8.3	0	98	273	23	23,407	0	-61.5	8.5	0	91	272	31
ROSTOV-NA-DONU		1,021		-4.5	5.8					1,512	0	-5.4	11.1	0	91	122	12	3,015	0	-13.0	11.9	0	64	131	5	5,496	0	-30.2	8.3	0	10	188	1	8,925	0	-56.7	4.8	0	37	256	5
		11,466	0	-58.1	5.5	0	86	270	13	13,283	0	-57.4	6.5	0	91	276	17	15,833	0	-59.7	7.1	0	91	276	20	20,133	0	-61.9	7.5	0	91	276	28	23,308	1	-60.5	8.3	1	94	273	39
TBILISI		972		-0.1	4.7					1,556	11	-6.3	4.0	9	78	139	4	3,050	11	-14.1	5.7	9	18	296	1	5,530	11	-29.2	8.4	9	72	284	7	8,998	11	-61.9	5.6	9	81	287	16
		11,579	12	-55.5	6.8	9	94	286	21	13,428	12	-56.2	8.0	9	98	285	24	16,005	13	-59.3	8.4	9	96	285	22	20,341	16	-58.3		9	96	288	25								
AFRICA																																											
MOROCCO																																											
CASABLANCA	2	1,016		14.9	4.7					1,538	0	7.7	14.2	0	41	344	3	3,117	0	0.2	16.6	0	50	324	5	5,730	0	-17.1	14.5	0	64	308	10	9,530	0	-44.6		4	72	294	15
		11,954	0	-59.6						13,755	1	-59.8						16,286	4	-62.7																					
ALGERIA																																											
ALGER/DAR EL BEIDA	3	1,021		10.9	4.7					1,509	0	1.7	5.1	0	66	300	6	3,040	0	-7.3	7.5	0	70	310	9	5,688	6	-22.4	11.7	0	66	310	13	9,148	0	-47.0		3	72	300	20
		11,754	1	-56.9		6	73	290	18	13,574	1	-57.4		7	84	290	21	16,116	7	-59.5		9	88	270	16																
ELBAYADH										1,537	0	3.3	18.1	0	6	320	5	3,097	0	-4.5	11.3	0	7	310	11	5,678	0	-20.1	14.7	0	7	300	15	9,267	0	-47.3		0	7	290	21
		11,859	0	-56.9		0	8	290	25	13,677	1	-58.1		5	8	280	23																								
BECHAR	2	928		14.5	19.6					1,542	0	7.4	15.4	6	83	320	3	3,113	0	-1.4	24.8	7	59	290	6	5,711	0	-18.0	23.8	9	64	290	11	9,310	0	-45.5					
		11,918	0	-58.3						13,720	0	-59.3						16,233	0	-63.0						20,503	0	-61.2						23,708	0	-56.3					
MAURITANIA																																											
NOUADHIBOU	2	1,017		19.0	11.4					1,545	4	16.0	26.4	5	67	110	6	3,168	4	7.2	23.6	5	32	280	2	5,846	4	-10.7	17.4	5	74	300	9	9,580	4	-37.3	12.1	9	87	300	27
		12,263	4	-55.1		9	96	280	39	14,063	4	-64.3		9	98	290	33	16,498	4	-62.3		9	99	270	33	20,644	9	-62.7		9	99	270	5								
SENEGAL																																											
DAKAR/YOFF	3	1,009		20.7						1,522	0	20.1		0	73	69	4	3,163	0	10.1		0	30	79	2	5,867	0	-7.8		0	51	252	4	9,646	0	-33.6		0	89	244	22
		12,362	0	-55.1		0	90	261	28	14,145	1	-66.7		2	88	262	24	16,656	4	-74.8		8	91	244	15	20,620															
MALI																																											
BAMAKO/SENOU	2	962		25.6	29.6					1,516	2	20.7	29.7	3	79	60	3	3,159	2	9.8	22.2	4	31	50	1	5,668	3	-6.0	21.4	5	20	290	1	9,670	3	-32.6	13.5	5	69	260	9
		12,395	3	-54.2		8	88	260	15	14,182	3	-66.8						16,578	3	-74.9																					
NIGER																																											
NIAMEY-AERO	3	987		26.7	32.8					1,521	0	20.0	28.4	2	65	70	9	3,166	0	10.2	21.6	2	17	290	2	5,873	0	-6.1	20.7	3	54	270	8	9,672	1	-32.6	13.5	4	97	270	30
		12,395	1	-54.8		4	97	270	38	14,174	1	-66.8		4	96	260	38	16,559	1	-76.9		9	90	270	20	20,607	17	-65.1													
UNITED REP OF CAMEROON																																											
DOUALA OBS.	2	1,009		29.9	6.0					1,507	0	18.9	4.0	0	83	350	3	3,150	0	10.3	12.5	0	93	70	10	5,864	1	-5.5	12.1	0	81	120	7	9,686	2	-31.2	10.2	2	81	110	8
		12,432	4	-53.5		2	35	150	7	14,220	5	-66.5		3	20	190	2	16,605	6	-78.6		5	49	110	4																
CENTRAL AFRICAN REP																																											
BANGUI		967		31.0	19.3					1,502	0	20.6	10.5	1	35	286	3	3,151	0	10.4	2.5	9	99	51	21	5,861	0	-6.0	20.5					9,681	0	-31.4	44.9				
		12,410	0	-53.1						14,219	0	-66.6						16,581	1	-79.8						20,641	2	-68.5													
KENYA																																											
NAIROBI/DAGORETTI	1	821		15.0	4.7													3,128	0	10.0	7.1	0	90	20	5	5,834	0	-6.9	15.7	0	96	90	11	9,633	0	-33.7	17.4	0	76	110	8
		12,361	0	-54.9		0	80	120	11	14,128	0	-67.7		0	40	130	4	16,491	2	-79.3		2	70	115	5	20,517	2	-69.9		2	75	280	5	23,620	4	-60.7		5	99	95	28
ETHIOPIA																																											
ASMARA		771		22.7	25.9													3,162	5	10.8	10.9	5	20	60	5	5,860	5	-5.5	16.4	5	50	105	8	9,700	5	-33.1	13.8	5	50	255	10
		12,414	7	-55.3	10.8	7	64	270	11	14,197	8	-68.0		8	69	260	16	16,558	11	-78.5		14	91	260	11	20,610	27	-64.2		26	6	265	16								
ADDIS ABABA		769		19.6	15.6													3,170	1	13.1	21.0	3	80	100	5	5,898	1	-5.9	35.7	8	100	85	15	9,720	1	-31.5	32.6	10	92	85	12
		12,450	1	-54.4	21.8	10	89	95	9	14,240	5	-66.8		13	60	115	10	16,610	7	-77.9		19	75	105	8	20,670	12	-66.6		25	25	255	8	23,810	15	-58.8		27	100	95	15
MADAGASCAR																																											
ANTANANARIVO/IVATO		872		12.0	5.2					1,486	0	19.1	5.0	0	26	4	2	3,127	0	9.2	4.3	0	23	36	3	5,848	0	-5.1	6.4	0	37	240	2	9,680	0	-30.0	8.5	0	42	9	5
		12,427	0	-52.0		1	55	13	10	14,219	0	-67.8		3	70	11	16	16,574	0	-80.3		9	83	10	17																

UPPER AIR DATA

FEBRUARY 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
AFRICA																																									
SEYCHELLES																																									
SEYCHELLES INTERNATIONAL AP	2	1,008		27.5	3.6					1,487	0	16.9	1.5	0	77	251	5	3,123	0	9.4	5.8	0	76	244	5	5,837	0	-6.0	10.1	1	8	328	1	9,647	0	-31.6	8.1	2	82	103	6
		12,382	0	-53.5		3	91	110	11	14,173	0	-66.5		4	89	88	12	16,545	0	-78.9		6	60	88	5	20,590	3	-68.6		15	15	106	1	23,693	8	-60.2		20	99	87	29
OCEAN ISLANDS																																									
ILE NOUVELLE-AMSTERDAM	2	1,013		16.6	4.9					1,510	0	9.0	7.4	0	54	284	11	3,105	0	4.1	12.6	0	65	271	17	5,771	0	-10.2	12.7	1	63	271	22	9,507	0	-36.8	8.8	2	64	268	28
		12,198	0	-54.9		3	71	260	42	14,001	1	-60.9		5	81	264	37	16,497	16	-64.6		9	82	286	36	20,798	25	-57.1						24,087	20	-50.2					
PORT-AUX-FRANCAIS/KERGUELEN	2	1,001		9.3	7.5					1,376	1	2.2	6.4	1	90	264	30	2,925	1	-4.4	9.3	1	86	261	40	5,509	1	-18.7	10.8	1	84	262	51	9,131	1	-42.1	8.3	1	80	262	63
		11,800	1	-52.8	9.6	1	82	263	64	13,649	1	-53.8		1	88	263	55	16,242	1	-55.0		2	88	262	37	20,695	11	-51.4		9	92	270	13	24,078	22	-46.4					
SOUTH AFRICA																																									
J. G. STRIJDOM	1	829		21.3	11.2					1,493				2	91	214	1	3,160	0	14.0	12.5	0	75	115	5	5,889	0	-6.7	1.0	7	9	99	6	9,704	0	-31.0	18.5	0	20	212	1
		12,448	0	-52.4		0	45	265	53	14,249	0	-65.6		0	31	287	2	16,636	3	-78.2		5	55	48	3																
UPINGTON	1	916		25.2	17.3					1,492	0	24.7	29.3	0	12	216	1	3,159	0	13.8	25.0	0	43	309	3	5,885	0	-6.5	27.7	0	71	273	6	9,686	0	-31.0	24.9	0	89	262	13
		12,433	1	-51.3		1	89	277	15	14,248	2	-63.5		3	92	279	15	16,664	3	-74.9		4	80	302	8	20,800	10	-59.8		9	72	163	12								
PRETORIA/IRENE	1	849		17.0	4.3					1,508				0	68	113	2	3,156	0	11.3	9.2	0	51	143	2	5,870	0	-6.6	15.1	0	60	176	4	9,672	0	-32.2	14.5	0	74	222	6
		12,406	0	-52.4		2	78	246	9	14,214	3	-65.4		6	70	260	7	16,597	9	-78.4		9	67	294	4																
BLOEMFONTEIN/J.B.M. HERTZOG	1	865		19.3	8.1					1,502	0	19.7	10.4	0	47	6	2	3,158	0	12.4	14.0	0	49	246	2	5,875	0	-6.8	20.6	0	32	247	5	9,665	0	-33.5	16.1	0	86	260	12
		12,385	0	-53.6		0	88	266	15	14,182	0	-65.3		0	90	276	13	16,581	0	-75.1		0	89	293	7	20,696	3	-62.6		3	97	108	3	23,910	4	-54.4		5	99	96	14
ALEXANDER BAY	1	1,010		17.3	1.9					1,494	1	20.5	32.3	1	67	160	4	3,150	1	13.6	37.6	1	67	263	4	5,876	1	-5.9	34.7	1	80	286	1	9,669	1	-35.1	33.1	1	89	277	13
		12,393	2	-53.5		2	92	272	16	14,189	2	-65.6		2	93	274	15	16,588	3	-74.7		5	67	309	8	20,733	7	-62.3		9	63	110	5								
CAPE TOWN /D.F. MALAN/	1	1,007		17.9	3.0					1,498	0	17.7	22.9	0	29	221	1	3,131	0	9.4	31.9	0	70	288	15	5,829	0	-8.3	28.6	0	85	283	15	9,583	0	-36.1	22.7	0	87	275	24
		12,277	0	-54.7		0	92	274	33	14,078	0	-63.5		0	95	276	34	16,521	1	-69.7		3	94	288	19																
PORT ELIZABETH	1	1,007		19.5	2.2					1,513	0	16.5	14.9	0	12	92	1	3,144	0	9.6	25.2	0	58	300	5	5,843	0	-8.1	29.3	0	80	280	21	9,595	0	-35.8	19.7	0	89	267	17
		12,300	0	-53.7		2	91	266	27	14,119	4	-62.9		7	94	267	19	16,564	7	-70.1		9	91	278	14																
DURBAN/LOUIS BOTHA/	1	1,012		22.6	2.5					1,511	3	15.3	5.2	3	7	140	1	3,144	3	9.6	17.1	3	41	186	2	5,845	3	-8.2	24.2	3	73	212	7	9,617	4	-33.3	24.5	4	81	252	11
		12,339	4	-52.0		6	89	267	14	14,155	7	-62.3		7	90	272	14	16,596	9	-73.1		9	90	283	10																
GOUGH ISLAND	1	1,009		13.5	3.2					1,482	0	7.3	14.1	0	77	269	11	3,062	0	1.3	23.4	0	89	264	14	5,696	0	-13.5	26.1	0	88	268	22	9,390	0	-38.7	22.8	0	84	262	27
		12,062	0	-55.5		0	89	265	33	13,876	0	-59.4		0	89	262	29	16,395	0	-62.1		1	93	266	21	20,731	5	-55.3		6	85	276	10								
MARION ISLAND	1	1,008		7.7	2.9					1,416	0	3.4	10.3	0	78	266	12	2,976	0	-2.4	17.3	0	85	257	17	5,575	0	-16.6	17.8	0	87	262	26	9,237	0	-40.0		0	90	261	35
																		16,342	0	-57.1		0	95	259	28	20,767	7	-53.5		9	33	270	6								
ASIA																																									
USSR-WESTERN																																									
DRUJNAYA/OSTROV HEJSA/		1,004		-15.4	1.6					1,275	0	-16.3	2.0	0	23	241	3	2,720	0	-22.9	3.4	0	34	270	4	5,115	0	-37.8	3.9	0	34	291	6	8,472	0	-58.5	3.2	0	45	295	10
		10,974	0	-65.6	3.1	0	61	301	10	12,711	0	-68.1	3.0	0	67	300	9	15,119	0	-72.9	3.0	0	60	308	8	19,138	0	-75.2	3.0	3	17	50	4	22,211	10	-68.2	3.7	9	56	84	16
MYS CELJUSKIN		1,013		-25.1	1.6					1,308	0	-19.8	3.7	0	34	192	3	2,734	0	-25.3	5.1	0	11	170	1	5,107	0	-39.7	5.6	0	17	29	2	8,429	0	-60.5	4.5	0	46	24	6
		10,909	0	-66.2	4.5	0	46	18	5	12,645	0	-68.1	4.6	0	28	28	3	15,055	0	-72.1	4.6	0	16	79	2	19,083	2	-74.9	4.5	2	48	158	8	22,121	4	-69.7	5.2	7	72	165	20
OSTROV DIKSON		1,007		-19.4	2.0					1,321	0	-15.7	3.0	0	44	283	5	2,768	0	-21.9	5.0	0	68	307	8	5,171	0	-37.2	4.9	0	4	315	11	8,512	0	-60.6	3.9	0	68	325	15
		10,985	0	-67.5	3.9	0	71	330	14	12,707	0	-69.7	4.0	0	78	332	13	15,101	4	-74.2	4.0	5	68	319	12	19,078	12	-79.4	3.9	9	57	312	10	22,016	18	-76.2		9	43	296	8
MYS KAMENNYJ		1,020		-17.3	2.2					1,392	0	-13.3	4.8	9	57	286	5	2,856	0	-19.6	5.5					5,277	0	-34.9	4.8					8,662	0	-58.1	3.8				
		11,150	1	-68.2	3.6					12,870	1	-69.3	3.6					15,279	2	-71.0	3.6					19,315	6	-76.8	3.2					22,255	9	-76.4	3.3				
NAR JAN-MAR		1,024		-8.1	3.2					1,451	0	-8.4	5.2	0	75	272	14	2,939	0	-14.8	7.7	0	75	282	15	5,403	0	-31.1	6.8	0	75	289	18	8,830	0	-56.7	4.8	0	75	297	21
		11,314	0	-68.9	4.2	0	75	300	21	13,029	0	-70.3	4.3	0	71	301	18	15,417	0	-73.8	4.2	0	77	299	20	19,409	0	-78.8	3.9	1	78	294	23	22,318	1	-77.9	4.0	5	82	283	26
SALEHARD		1,024		-14.6	3.4					1,447	0	-10.3	6.6	0	77	302	12	2,922	0	-17.4	9.2	0	74	301	14	5,362	0	-33.2	6.4	0	74	311	17	8,760	0	-57.9	4.9	0	71	314	23
		11,237	0	-69.6	4.3	0	78	316	22	12,947	2	-70.8	4.2	4	79	314	19	15,337	6	-74.4	4.2	8	85	315	19																
HATANGA		1,016		-30.8	3.1					1,319	0	-20.7	3.1	0	25	273	2	2,742	0	-25.9	4.2	0	40	307	3	5,111	0	-40.1	4.4	0	58	339	6	8,441	0	-60.4	3.7	0	70	348	10
		10,923	0	-66.1	3.6	0	71	354	9	12,664	0	-67.4	3.6	0	51	356	6	15,082	0	-71.0	3.5	1	35	345	4	19,188	4	-72.8	3.5	9	35	219	5	22,241	13	-70.3	3.6	9	59	198	12
TURUHANSK		1,017		-23.3	3.1					1,375	0	-16.8	3.9	0	50	299	5	2,822	0	-22.2	4.3	0	60	318	8	5,223	0	-36.7	4.6	0	67	329	12	8,578	0	-59.9	3.5	0	72	335	16
		11,048	0	-67.4	3.4	0	78	334	16	12,768	0	-69.2	3.6	0	84	330	15	15,169	0	-73.1	3.8	0	78	323	13	19,178	0	-77.5	4.0	0	72	297	13	22,200	5	-75.3	4.6	5	78	276	17
SYKTYVKAR		1,023		-10.2	4.0					1,564	0	-7.4	8.8	0	68	277	9	3,056	0	-14.8	9.6	0	75	283	10	5,525	0	-30.3	7.6	0	58	290	8	8,967	0	-56.0	5.1	0	51	312	8
		11,456	0	-68.6	4.6	0	52	312	9	13,169	0	-69.5	4.7	1	62	308	11	15,587	1	-71.3	5.0	2	76	303	16	19,640	4	-76.3	5.0	6	82	294	25	22,651	2	-76.5	5.6	9	87	287	33
HANTY-MANSIJSK		1,027		-14.7	3.4					1,494	0	-10.8	7.9	0	68	323	9	2,968	0	-17.7	8.4	0	75	329	11	5,407	0	-32.8	7.5	0	69	340	13	8,822	0	-57.0	5.3	0	74	346	17
		11,305	0	-69.1	4.7	0	67	339	16	13,013	0	-69.2	4.9	0	79	327	18	15,423	0	-71.7	5.0	1	78	316	18	19,498	5	-74.9	5.3	5	86	298	25	22,499	10	-74.2	5.4	9	87	289	30
TURA		1,000		-31.9	2.3					1,373	0	-20.3	2.0	0	62	308	5	2,802	0	-26.5	2.8	0	56	319	6	5,170	1	-40.5	3.7	1	66	332	9	8,486	1	-61.2	3.0	1	64	337	11
		10,968	1	-66.0	3.1	1	74	334	11	12,710	1	-67.5	3.3	1	74	326	10	15,126	1	-71.3	3.5	1	78	312	10	19,255	13	-70.3	4.3	9	75	267	12	22,386	17	-64.6	5.0				
SVERDLOVSK		1,002		-11.9	4.2					1,551	0	-10.2	8.7	0	63	352	7	3,026	0	-17.2	8.4	0	58	4	8	5,470	0	-32.9	8.6	0	58	9	10	8,871	0	-58.2	6.5	0	52	11	11
		11,353	0	-67.4	5.9	0	63	352	12	13,076	0	-67.4	6.1	0	72	330	13	15,508	0	-69.1	6.5	0	86	303	18	19,666	3	-71.8	7.0	4	88	289	29	22,705	6	-70.6		8	91	284	37
OMSK		1,023		-17.6	3.6					1,501	0	-13.4	7.1	0	45	335	5	2,967	0	-19.1	8.2	0	46	353	6	5,399	0	-34.0	7.9	0	46	8	8	8,794	0	-56.7	6.4	0	52	6	12
		11,296	0	-64.7	6.1	0	62	340	12	13,035	0	-65.2	6.4	0	78	319	14	15,491	0	-66.9	6.7	0	83	301	18	19,630	1	-70.4	7.1	1	92	286	30	22,700	6	-69.6	7.5	6	92	280	39
KOLPASEV		1,020		-18.5	3.6					1,458	0	-15.4	4.4	1	67	303	7	2,909	0	-21.3	5.2	0	63	320	8	5,318	0	-36.0	4.9	0	58	331	9	8,686	0	-59.3	4.1	0	67	335	14
		11,169	1	-66.9	4.0	1	82	328	16	12,912	1	-67.8	4.2	1	90	317	16	15,339	1	-70.3	4.5	3	90	301	18	19,529	11	-70.5	5.3	9	88	291	25								
KRASNOJARSK		1,006		-20.7	3.5					1,470	1	-19.1	3.1	1	79	263	11	2,898	1	-23.4	3.7	1	78	276	10	5,303	1	-36.3	3.6	1	72	291	11	8,682	2	-57.8	3.1	2	68	299	14
		11,179	4	-65.8	3.0	4	75	292	16	12,879	6	-65.9	3.4	6	84	274	16	15,380	7	-68.4	3.7	7	87	267	18	19,555	15	-68.9	4.0	9	91	248	28	22,635	17	-66.2	4.9	9	93	246	36
KIRENSK		994		-22.9	2.8					1,416	0	-22.4	2.6	0	75	275	8	2,830	0	-27.8	2.9	0	75	297	9	5,176	0	-42.9	3.0	0	72	314	10	8,480	1	-61.8	3.1	1	70	325	13
		10,967	1	-63.5	3.5	1	75	319	13	12,733	1	-64.2	3.8	2	81	312	14	15,220	2	-65.4	4.2	3	88	290	18	19,472	6	-62.5	4.9	7	85	275	28	22,711	11	-56.0	6.1	9	88	264	34
ORENBURG		1,027		-14.8	3.5					1,570	0	-11.1	7.2	0	69	42	6	3,046	0	-17.0	9.2	0	69	39	7	5,498	0	-32.6	7.4	0	63	27	8	8,918	0	-56.0	6.0	0	58	19	8
		11,450	0	-63.9	5.6	0	44	345	6	13,218	0	-63.2	6.1	0	58	312	9	15,714	0	-64.5	6.5	0	76	291	15	19,945	3	-67.2	6.8	3	86	281	27	23,025	7	-67.2		7	86	278	36
KUSTANAJ		1,016		-13.9	2.8					1,542	5	-10.9	5.8	5	56	355	6	3,018	5	-16.5	7.8	5	65	5	9	5,473	5	-30.5	8.0	56	5	12	12	8,924	5	-54.3	5.8	5	61	15	14
		11,436	5	-65.7	5.2	5	67	349	13	13,170	8	-66.3	5.2	8	76	323	14	15,627	8	-67.0	5.4	8	87	293	18	19,756	9	-70.7	5.7	9	94	282	34	22,811	13	-70.3		9	96	281	45

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STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
ASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
USSR-WESTERN																																									
KARAGANDA		965		-18.7	3.5					1,511	0	-13.8	5.9	0	37	296	8	2,971	0	-19.1	8.1	0	29	318	3	5,400	0	-33.4	7.1	0	23	299	4	8,820	0	-54.8	6.1	0	29	299	6
		11,361	0	-61.3	6.1	0	42	297	8	13,134	0	-61.0	6.6	0	76	286	13	15,649	0	-62.5	6.7	0	90	282	21	19,882	3	-65.1	7.0	3	95	274	35	23,063	6	-64.6	6.9	6	98	270	45
GUREV		1,042		-8.4	7.5					1,546	14	-11.0	13.4	9	81	87	7	3,051	14	-14.3	15.4	9	70	87	6	5,523	14	-29.5	11.0	9	50	95	5	8,983	14	-53.3	7.1	9	19	52	3
		11,538	14	-60.8	6.2	9	16	234	2	13,328	14	-59.1	7.3	9	69	280	8	15,848	16	-61.0	7.4	9	89	280	16	20,132	17	-63.2	8.8	9	96	276	31	23,238	18	-61.7	9.5	9	97	272	45
ASHABAD		992		-2.1	4.7					1,518	0	-5.4	6.2	0	30	283	2	3,028	0	-11.3	9.3	0	77	286	8	5,534	0	-25.7	10.9	0	79	287	15	9,044	0	-50.4	8.2	0	89	284	27
		11,653	0	-55.2	8.7	0	91	284	32	13,493	0	-55.7	9.3	0	93	281	31	16,050	4	-59.3	9.6	4	95	279	27	20,354	7	-60.6	10.5	8	96	277	21	23,555	11	-57.8		9	94	277	18
TASKENT		970		-4.8	3.9					1,525	0	-8.1	5.1	0	26	234	1	3,014	0	-14.6	5.4	0	84	249	8	5,488	0	-29.1	5.3	0	79	243	12	8,954	0	-53.1	5.1	0	79	251	19
		11,518	0	-57.6	5.3	0	91	267	22	13,338	0	-56.1	6.0	0	96	270	24	15,909	0	-58.1	6.6	0	93	272	25	20,245	0	-60.1	7.3	0	96	272	27	23,441	0	-58.2	7.8	0	94	271	29
ALMA-ATA		927		-10.7	3.5					1,520	0	-10.9	4.6	0	31	286	1	3,005	0	-15.2	7.9	0	68	251	4	5,473	0	-30.5	6.5	0	87	265	16	8,924	0	-54.6	5.2	9	83	254	19
		11,472	4	-59.7	5.8	9	93	252	20	13,261	7	-58.8	6.0					15,801	9	-60.0	6.1					20,208	17	-58.0	6.3												
USSR-EASTERN																																									
OSTROV KOTELNYJ		1,020		-32.3	2.7					1,378	0	-22.3	4.3	0	57	190	5	2,790	0	-38.2	4.7	0	46	186	4	5,137	0	-42.3	6.0	4	6	174	5	8,440	0	-61.1	3.8	0	40	181	6
		10,923	0	-64.7	4.0	0	52	188	7	12,678	0	-65.2	4.4	0	68	190	10	15,133	0	-66.6	4.6	0	78	194	16	19,381	3	-60.8	5.6	3	83	195	34	22,666	5	-52.2	7.7	5	88	196	53
OSTROV CETYREHSTOLBOVOJ		1,025		-34.9	2.1					1,410	0	-22.1	4.6	0	11	16	1	2,829	0	-26.5	6.4	0	11	287	1	5,190	0	-40.2	5.0	0	17	281	2	8,521	0	-59.8	4.0	0	34	255	5
		11,035	0	-60.4	4.4	0	58	232	7	12,828	0	-58.1	5.0	0	83	223	12	15,411	0	-53.4	6.3	0	90	218	22	19,934	0	-46.9	9.0	0	92	218	39	23,347	1	-43.9	11.0	1	92	222	47
MYS SMIDTA		1,028		-10.2	2.0					1,374	0	-25.0	2.6	0	74	342	8	2,780	0	-27.8	3.6	0	74	349	9	5,132	0	-40.7	4.8	0	74	346	10	8,469	0	-56.6	4.8	0	51	324	8
		11,044	0	-53.5	5.8	0	57	274	7	12,908	0	-50.2	6.9	0	78	244	11	15,579	0	-46.5	8.6	0	85	234	18	20,206	0	-43.8	11.6	0	93	233	27	23,648	0	-42.2	3.5	0	91	233	30
ANADYR		1,026		-30.6	3.1					1,377	0	-21.8	5.3	0	56	8	4	2,796	0	-26.5	6.1	0	50	352	6	5,166	0	-40.3	5.8	0	39	340	6	8,525	0	-56.3	5.6	0	34	302	6
		11,093	1	-52.9	7.2	1	60	253	7	12,964	1	-49.2	8.9	1	81	230	1[illegible]	15,643	2	-45.5	11.2	2	88	222	17	20,292	2	-43.0	14.6	2	93	225	23	23,752	2	-41.3	16.3	2	92	228	26
KORF		1,018		-16.6	5.3					1,371	0	-16.2	4.9	0	52	121	6	2,815	0	-23.0	6.6	0	34	124	4	5,205	0	-37.8	5.7	0	5	222	1	8,568	0	-57.2	5.2	0	29	224	6
		11,115	0	-56.9	5.0	0	67	211	10	12,958	0	-52.2	5.6	0	78	210	13	15,611	0	-47.2	6.8	0	87	212	18	20,251	0	-42.7	9.4	0	88	209	20	23,709	0	-41.5	11.3	1	93	208	21
PETROPAVLOVSK/KAMCATSKIJ		993		-6.2	5.4					1,283	0	-11.9	3.8	0	68	85	9	2,743	0	-21.4	4.8	0	69	104	10	5,148	0	-37.0	4.9	0	58	130	10	8,526	0	-56.3	7.0	5	8	175	12
		11,104	0	-53.7	5.7	0	62	204	11	12,962	0	-50.9	6.9	0	78	216	14	15,633	0	-46.2	8.7	0	82	223	17	20,283	0	-42.7	11.4	0	89	218	17	23,713	0	-42.4	13.0	0	88	206	17
OHOTSK		1,017		-20.6	6.5					1,358	0	-19.6	7.7	0	45	66	3	2,792	0	-16.0	8.7	0	22	88	2	5,149	0	-41.6	7.1	0	45	138	5	8,460	0	-61.0	6.1	0	57	161	8
		10,979	0	-59.9	7.0	0	68	184	9	12,789	0	-58.1	8.0	0	78	197	12	15,376	0	-53.7	10.2	0	86	208	20	19,947	0	-42.5	16.1	0	88	212	35	23,432	1	-39.6		1	91	212	36
JUZNO-SAHALINSK		1,009		-12.0	2.9					1,319	0	-17.2	4.1	0	55	346	6	2,753	0	-24.7	5.1	0	33	320	3	5,126	0	-39.9	4.2	0	28	277	3	8,478	0	-55.0	4.4	0	61	270	11
		11,086	0	-51.3	6.5	0	84	269	18	12,965	0	-49.0	8.1	0	93	265	23	15,639	0	-46.6	9.9	0	88	261	24	20,255	2	-45.3	12.1	2	86	244	18	23,666	3	-45.8	13.5	3	88	223	13
VLADIVOSTOK		1,011		-11.3	7.3					1,394	1	-17.9	4.9	1	86	319	12	2,826	1	-23.4	6.8	1	86	312	13	5,220	1	-37.2	6.0	1	86	295	18	8,627	2	-51.5	6.2	2	94	285	31
		11,260	3	-52.1	7.7	3	96	278	38	13,130	3	-50.8	8.6	3	98	278	38	15,773	3	-50.7	9.7	3	96	272	35	20,282	3	-49.5	11.0	3	93	262	23	23,655	6	-48.8	12.0	7	90	251	16
OLENEK		993		-35.5	3.4					1,320	0	-23.6	3.6	0	28	215	2	2,731	0	-38.1	4.1	0	28	316	2	5,074	0	-42.0	4.6	0	39	343	4	8,375	0	-61.4	4.2	0	32	355	5
		10,855	0	-65.1	4.3	0	42	2	4	12,603	1	-66.1	4.7	1	25	294	2	15,046	1	-69.0	4.8	1	38	231	4	19,258	6	-66.7	5.5	9	72	217	17	22,453	15	-60.6	6.6	9	77	204	31
VERHOJANSK		1,012		-48.1	2.5					1,360	0	-23.4	3.2	0	39	186	2	2,768	0	-29.6	3.5	0	39	184	3	5,109	0	-42.8	3.0	0	62	191	6	8,411	0	-61.0	2.5	0	72	181	9
		10,915	0	-63.2	2.6	0	79	186	10	12,683	0	-63.0	2.6	1	81	190	12	15,183	1	-62.9	2.9	2	86	197	15	19,521	3	-58.3	3.5	4	86	202	29	22,784	3	-50.5	4.7	6	92	203	46
SEJMCAN		1,001		-40.7	3.3					1,377	0	-22.0	4.4	0	47	89	3	2,798	0	-25.5	8.0	0	51	136	4	5,169	0	-40.3	6.5	0	52	165	6	8,492	0	-60.3	8.0	5	8	177	8
		11,004	0	-60.4	5.7	0	72	187	9	12,802	0	-57.6	7.0	0	91	197	13	15,402	0	-52.6	9.0	0	91	204	21	19,979	0	-44.1	14.1	0	95	209	34	23,441	2	-41.6	7.4	2	93	212	35
JAKUTSK		1,014		-37.3	3.0					1,368	0	-23.2	3.9	0	34	332	2	2,771	0	-28.7	5.0	0	0	130	**	5,106	0	-43.6	4.0	0	29	194	3	8,387	0	-61.9	3.4	0	34	173	5
		10,871	0	-63.2	4.0	0	41	184	5	12,641	0	-62.4	4.6	0	56	202	7	15,126	0	-62.6	5.3	0	78	208	13	19,495	2	-53.9	7.7	2	86	212	30	22,848	3	-44.6		4	92	210	44
ALDAN		938		-27.5	3.1					1,392	0	-26.7	2.6	0	50	317	4	2,794	0	-28.9	2.8	0	34	356	3	5,132	0	-43.4	3.0	0	16	351	2	8,416	0	-61.6	2.9	0	16	315	2
		10,923	1	-61.9	3.5	1	37	279	4	12,711	2	-61.6	4.1	2	54	257	6	15,228	2	-60.9	4.8	2	74	242	13	19,654	3	-51.4	7.0	3	88	229	30	23,025	6	-43.2	9.5	8	93	222	45
CITA		942		-24.2	4.2					1,439	0	-19.7	4.6	0	78	318	7	2,870	0	-25.9	5.2	0	85	333	9	5,234	0	-40.5	4.6	0	79	325	13	8,559	0	-49.5	4.1	0	84	312	18
		11,084	0	-60.6	4.8	0	89	299	21	12,885	0	-59.7	5.5	0	89	293	24	15,437	0	-59.1	6.5	0	93	283	30	19,832	0	-53.8	8.7	0	93	267	40	23,158	0	-47.9	11.3	0	94	257	47
BLAGOVESCENSK		1,005		-21.2	4.3					1,386	0	-22.6	4.1	0	72	329	6	2,799	0	-27.8	4.3	0	67	327	6	5,156	0	-41.2	4.6	0	67	315	8	8,487	0	-56.5	4.3	0	72	295	13
		11,037	0	-56.8	5.5	0	89	283	17	12,865	0	-55.3	6.6	0	89	277	21	15,475	0	-52.7	8.0	0	93	268	27	20,011	0	-47.0	10.9	0	90	254	31	23,427	2	-43.4	11.9	2	89	239	29
HABAROVSK		1,010		-20.1	3.1					1,360	1	-20.6	3.8	1	42	313	3	2,782	1	-26.9	4.0	1	46	311	4	5,150	1	-39.9	4.2	1	49	306	6	8,499	4	-56.1	4.3	4	59	274	11
		11,064	12	-53.6	5.2	9	85	271	16	12,922	14	-50.1	6.5	9	91	266	20																								
HONG KONG																																									
KINGS PARK	1	1,012		12.9	3.4					1,523	0	10.3	2.5	0	76	232	4	3,128	0	6.8	11.5	0	98	268	14	5,839	0	-5.1	23.0	0	98	270	18	9,659	0	-30.9	18.3	0	97	264	23
		12,405	0	-52.8	16.5	0	98	260	25	14,197	0	-67.3	15.7	0	96	250	24	16,544	0	-82.3	15.2	0	95	261	15	20,572	0	-61.8	16.1	0	87	261	4	23,798	1	-54.3	21.4	0	89	94	7
JAPAN																																									
WAKKANAI	2	1,011		-6.7	3.8					1,337	0	-16.2	5.2	0	64	328	6	2,771	0	-25.1	8.0	0	59	301	6	5,143	0	-39.8		0	59	293	6	8,501	0	-54.0		0	76	275	13
		11,116	0	-50.8		0	93	270	23	12,997	0	-49.2		0	95	268	25	15,661	0	-48.0		0	95	262	27	20,241	7	-47.3													
SAPPORO	2	1,010		-5.6	3.6					1,349	0	-15.0	4.8	1	72	306	7	2,788	0	-24.3	9.4	0	84	301	9	5,167	0	-38.8		0	83	283	12	8,549	0	-51.8		0	93	278	24
		11,189	0	-49.3		0	97	275	30	13,076	0	-49.2		0	97	270	31	15,732	0	-49.2		0	97	265	30	20,282	0	-48.7		1	92	248	15	23,649	4	-48.0		6	77	228	8
NEMURO	2	1,006		-6.3	4.3					1,324	0	-14.8	7.9	0	76	326	8	2,769	0	-23.3	8.4	0	68	305	7	5,159	0	-37.7		0	68	276	9	8,550	0	-51.5		0	89	266	21
		11,194	0	-48.8		0	95	267	26	13,088	0	-48.1		0	96	264	29	15,760	0	-47.9		0	96	263	27	20,335	5	-48.3		6	89	246	13	23,696	10	-48.0					
AKITA	2	1,014		-2.4	4.1					1,386	0	-12.5	3.9	0	90	289	10	2,840	0	-21.9	8.1	0	94	280	16	5,244	0	-35.7	11.7	0	95	277	26	8,689	0	-48.5		0	96	278	42
		11,352	0	-48.6		0	98	276	41	13,236	0	-50.3		0	99	273	42	15,868	0	-52.0		0	98	270	36	20,358	1	-50.8		4	93	253	13	23,694	4	-50.7		5	71	223	6
SENDAI	2	1,010		-1.3	5.9					1,390	0	-10.7	5.8	0	91	288	12	2,858	0	-19.0	10.1	0	94	285	19	5,296	0	-31.6	12.1	0	96	275	30	8,773	0	-48.2		0	97	274	47
		11,428	0	-49.4		0	98	274	48	13,309	0	-50.7		0	99	273	49	15,936	0	-52.4		0	98	272	35	20,400	1	-51.7		1	92	254	13	23,727	3	-50.5		6	67	233	4
WAJIMA	2	1,017		-0.3	2.8					1,421	0	-9.9	5.6	0	78	301	7	2,892	0	-18.9	9.6	0	91	280	13	5,339	0	-30.1	14.1	4	96	277	31	8,831	0	-48.0		8	97	277	52
		11,494	0	-48.2		8	99	276	54	13,378	0	-51.1		8	99	271	48	15,981	0	-56.2		4	99	272	38	20,391	2	-52.5		4	96	260	16	23,705	4	-51.4					
TATENO	2	1,011		-0.4	5.3					1,408	0	-7.1	8.9	0	73	289	7	2,896	0	-15.5	11.7	0	88	278	15	5,382	0	-26.6	13.5	0	97	274	35	8,902	0	-46.9		0	98	275	54
		11,562	0	-49.3		0	98	275	59	13,435	0	-52.2		0	99	272	54	16,027	1	-56.8		0	99	271	38	20,421	3	-53.3		4	93	260	12	23,728	6	-52.1		8	59	246	3
HACHIJOJIMA	2	996		6.8	5.5					1,432	1	-2.9	5.6	1	90	282	11	2,950	0	-9.5	13.5	1	93	281	21	5,492	0	-21.7	13.5	0	98	274	38	9,086	0	-41.6		0	99	275	64
		11,785	0	-49.8		0	98	276	77	13,634	0	-57.2		0	99	272	67	16,156	0	-62.8		0	99	272	42	20,459	0	-56.0		0	93	259	12	23,728	2	-53.9		5	62	241	4
YONAGO	2	1,020		1.4	3.9					1,448	0	-8.3	5.3	0	78	300	7	2,933	0	-15.1	14.9	0	95	296	16	5,434	0	-25.1	15.7	0	97	283	35	8,985	0	-45.7		0	98	277	57
		11,656	0	-49.4		1	99	280	6	13,521	0	-54.1		2	99	278	56	16,082	0	-59.8		2	99	273	39	20,437	1	-54.9		1	96	266	15	23,735	2	-52.4		8	83	254	6

UPPER AIR DATA

FEBRUARY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
ASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
JAPAN																																									
SHIONOMISAKI	2	1,009		5.2	7.7					1,443	0	-4.3	9.7	0	82	302	9	2,957	0	-9.8	16.6	0	94	284	19	5,496	0	-22.0	14.4	0	98	277	35	9,086	0	-42.4		0	99	276	61
		11,781	0	-50.0		0	98	279	72	13,628	0	-57.3		0	99	275	60	16,144	0	-63.2		0	99	272	41	20,448	0	-55.3		0	95	265	13	23,730	7	-53.8		9	36	246	3
FUKUOKA	2	1,019		4.6	7.6					1,465	0	-5.4	9.8	0	68	306	6	2,975	0	-9.8	17.8	0	91	293	18	5,520	0	-21.1	15.2	0	97	279	35	9,119	0	-41.7		0	99	277	68
		11,817	0	-50.8		1	99	279	82	13,654	0	-58.6		3	99	278	66	16,161	0	-65.1		3	99	272	43	20,452	0	-55.9		1	92	261	12	23,732	0	-53.1		4	51	240	3
KAGOSHIMA	2	985		4.0	5.4					1,472	0	-1.9	10.9	0	72	311	8	3,003	0	-5.6	16.8	0	92	286	19	5,585	0	-17.3	15.0	0	98	276	34	9,245	0	-36.4	16.5	0	99	276	70
		11,968	0	-51.6		0	99	279	77	13,790	0	-61.1		0	99	277	64	16,255	0	-68.7		0	99	273	44	20,484	1	-56.1		2	92	263	11	23,751	2	-54.1		2	56	261	3
NAZE	2	984		10.2	1.9					1,496	0	2.5	3.0	0	72	306	7	3,053	0	-2.0	14.5	0	94	280	18	5,676	0	-12.4	23.2	0	98	276	34	9,434	0	-32.4	18.9	0	99	276	59
		12,172	0	-52.7		0	99	277	60	13,972	0	-65.7		0	99	275	55	16,367	1	-75.2		1	99	271	36	20,505	5	-57.9		5	86	258	7	23,747	6	-54.9					
ISHIGAKIJIMA	2	1,018		17.1	4.2					1,523	0	8.0	3.0	0	41	309	3	3,112	0	2.6	8.0	0	92	270	12	5,796	0	-5.8	28.4	0	99	275	30	9,605	0	-31.1	19.4	0	99	275	36
		12,347	0	-53.1		0	99	273	37	14,141	0	-66.8		0	98	266	35	16,495	0	-80.2		0	99	268	25	20,538	0	-60.7		0	73	248	4	23,759	0	-55.6		5	95	99	5
NAHA	2	1,016		15.5	5.3					1,516	0	5.7	3.6	0	67	311	6	3,094	0	1.1	11.0	0	95	279	17	5,755	0	-7.9	25.1	0	99	274	34	9,555	0	-31.1	18.8	0	99	274	44
		12,300	0	-52.7		0	99	276	46	14,098	0	-66.2		0	99	271	42	16,472	0	-78.3		0	99	270	30	20,552	1	-59.4		1	96	256	7	23,787	3	-55.4		3	37	118	2
MINAMIDAITOJIMA	2	1,016		16.1	5.0					1,508	0	6.6	4.1	0	71	293	6	3,086	0	1.1	10.5	0	95	279	17	5,746	0	-8.7	23.1	0	99	276	37	9,543	0	-31.4	19.0	0	99	273	48
		12,283	0	-53.1		1	99	276	48	14,076	0	-66.7		2	98	271	45	16,439	0	-79.2		2	99	269	31	20,523	0	-59.6		1	72	257	4	23,751	3	-55.3		5	68	96	4
CHICHIJIMA	2	1,016		15.3	5.5					1,490	1	5.3	5.7	1	74	283	8	3,059	1	-0.4	13.7	1	93	273	19	5,695	1	-11.1	19.2	1	98	272	37	9,473	1	-31.3	18.8	1	98	273	61
		12,218	1	-52.4		1	98	275	62	14,021	1	-65.2		2	98	271	57	16,413	2	-75.7		2	99	268	39	20,546	3	-59.9		5	82	249	5	23,770	8	-55.0					
MINAMITORISHIMA	2	1,014		19.7	5.0					1,500	0	10.2	6.9	0	75	275	7	3,100	0	4.9	15.8	0	93	259	17	5,785	0	-7.4	21.9	0	99	264	29	9,581	0	-31.3	18.0	0	99	271	39
		12,326	0	-52.3		0	99	273	39	14,126	0	-66.1		0	99	270	37	16,499	0	-78.4		0	99	263	27	20,565	1	-63.0		1	65	245	3	23,767	1	-55.9		1	94	103	5
SYRIAN ARAB REPUBLIC																																									
DAMASCUS/NEW INTL AP	2	947		15.2	14.5					1,500	0	6.0	11.5	1	56	243	3	3,061	0	-2.8	18.9	1	89	257	9	5,649	0	-18.8	19.4	1	88	265	20	9,263	0	-43.3	13.8	1	87	266	41
		11,910	3	-56.0		4	92	266	51	13,738	6	-58.9		6	91	266	45	16,226	7	-63.4		7	96	267	31	20,485	8	-57.4		8	91	285	10	23,697	9	-55.9		9	87	273	7
ALEPPO	2	969		13.1	11.4					1,506	0	3.1	8.9	0	41	239	2	3,054	0	-5.5	13.8	0	84	257	7	5,609	0	-22.4	15.2	0	88	266	16	9,171	0	-46.7	13.4	0	95	267	40
		11,793	0	-55.8	15.8	0	97	269	45	13,617	0	-56.8		0	97	268	39	16,156	0	-61.5		0	98	269	28	20,452	4	-59.9		4	97	280	14	23,669	5	-55.9		5	94	276	12
ISRAEL																																									
BET DAGAN		1,014		19.0	10.6					1,509	0	7.1	10.5	0	50	220	3	3,080	0	-0.8	14.3	0	77	255	8	5,686	0	-17.1	11.6	0	92	265	19	9,328	0	-41.7	8.1	0	97	265	39
		11,991	0	-55.0		0	97	270	52	13,815	0	-59.0			97	270	49	16,330	0	-63.8		0	96	270	40	20,611	3	-59.8		4	95	275	23								
JORDON																																									
MAFRAQ	3	939		10.7	8.7					1,496	0	6.6	12.7	0	42	206	2	3,058	0	-1.7	16.9	0	86	245	8	5,651	0	-17.7	16.0	0	94	257	17	9,279	0	-41.0		0	96	259	29
		11,933	0	-54.9		0	96	260	34	13,750	0	-59.6		0	97	261	31	16,253	6	-63.8		6	97	258	26	20,497	19	-62.3		19	96	260	20								
KUWAIT																																									
KUWAIT INTL AIRPORT	3	1,012		0.1						1,522	0	9.9	14.3	0	37	290	9	3,110	0	1.6	26.1	0	92	277	13	5,729	0	-15.7	42.1	0	99	277	28	9,395	0	-40.5	61.1	0	98	278	51
		12,059	0	-55.7		0	96	279	64	13,859	0	-62.7		0	99	276	62	16,307	0	-70.1		0	99	277	40	20,457	0	-64.0		0	94	281	10	23,636	0	-57.1		0	94	266	10
SAUDI ARABIA																																									
EL-HEJH	1	1,011		17.6	6.4					1,514	1	14.5	21.2	1	57	185	3	3,124	1	5.8	26.8	1	85	255	8	5,788	1	-11.2	22.2	1	95	265	23	9,515	1	-36.8	11.6	1	96	260	41
		12,215	1	-54.8		1	96	265	1	14,010	1	-63.9		1	98	265	41	16,444	1	-71.6		1	97	265	29	20,558	3	-74.4		3	98	260	7	23,759	4	-55.3		4	95	280	7
JEDDAH (KING ABDULAZIZ) AP	3	1,009		25.4	8.7					1,511	1	17.4	10.9	1	76	155	4	3,141	1	8.9	24.8	1	77	221	25	5,847	1	-7.4	22.8					9,618	1	-34.0	16.9	1	96	270	28
		12,335	2	-54.4		2	97	270	32	13,621	2	-63.6		2	59	280	28	15,846	4	-74.4		4	55	280	18	20,560	5	-65.2		5	80	288	25	23,768	7	-55.4		7	43	265	2
GIZAN	3	1,012		26.2	0.5					1,513	0	18.3	10.9	0	99	150	3	3,053	0	10.9	24.9					5,872	0	-5.9	28.3	0	33	225	2	9,671	0	-32.4	19.7	0	86	280	
		12,398	0	-54.3		0	8	270	11	14,140	0	-67.5		0	91	265	10	16,559	0	-77.3		0	64	265	5	20,558	0	-64.5		0	83	260	3	23,776		-57.0		1	99	95	7
TABOUK	1	929		10.2	13.9					1,512	0	11.2	15.9	0	57	175	4	3,106	0	2.9	24.2	0	88	250	10	5,746	0	-13.5	20.4	0	96	265	25	9,441	0	-38.4	13.6	0	97	265	59
		12,126	0	-54.6		3	98	271	11	13,931	1	-62.0		2	98	270	48	16,402	2	-69.6		2	98	270	35	20,568	4	-62.0		4	91	265	9	23,789	4	-52.1		4	97	285	9
MEDINA	3	941		22.9	22.5					1,512	0	16.6	15.3	0	42	170	2	3,131	0	5.9		0	90	245	7	5,811	0	-9.2	24.5	0	98	265	21	9,559	0	-35.7	14.1	0	99	270	39
		12,264	0	-54.7		0	99	275	45	14,054	0	-65.5														20,551	1	-64.2		1	90	275	5								
KHAMIS MUSHAIT	3	798		15.9	9.6													3,162	0	10.4	20.1	0	52	215	2	5,878	0	-6.2	30.3	0	70	280	5	9,673	0	-32.7	19.7	0	56	275	14
		12,395	0	-54.5						14,179	0	-67.2		0	96	265	15	16,561	1	-75.3						20,586	2	-74.6						23,783	4	-56.5					
RIYADH(KING KHALED INT AP)	3	940		17.6	22.9					1,523	0	12.8	20.2	0	99	190	3	3,134	0	4.6	23.9	0	99	275	7	5,701	0	-0.3	35.8	0	99	275	20	9,528	0	-37.1	29.1	1	97	275	37
		12,202	0	-49.9		2	93	280	47	13,999	3	-66.3		7	76	270	37	16,399	9	-73.5		9	66	280	26	20,461	8	-66.1		9	62	280	5	23,694	16	-55.9		9	41	265	5
QAISUMAH	1	976		10.9	13.5					1,527	3	10.5	16.3	3	75	265	5	3,119	3	1.9	18.5	3	91	275	12	5,747	3	-14.3	18.4	3	97	275	26	9,412	3	-39.6	8.9	3	99	275	57
		12,107	3	-54.6		3	99	281	7	13,914	3	-61.9		3	99	275	48	16,368	6	-69.6		6	99	275	23	20,531	6	-62.8		6	97	270	10	23,745	8	-51.9		8	95	280	8
DHAHRAN	1	1,016		13.8	4.6					1,523	0	12.2	19.0	5	9	290	5	3,124	0	3.6	23.2	0	84	280	10	5,773	0	-11.9	22.4	0	97	280	25	9,490	0	-37.3	13.0	0	98	280	44
		12,184	1	-54.3		1	99	280	**	13,986	1	-63.6		1	99	275	43	16,416	2	-71.6		2	98	202	16									24,002	7	-56.2	28.4				
UNITED ARAB EMIRATES																																									
ABU DHABI INT AIRPORT	2	1,014		24.8	13.7					1,535	5	12.6	16.7	1	44	279	3	3,138	5	4.5	24.3	1	69	293	7	5,802	5	-10.1	26.9	1	96	284	24	9,537	5	-36.2	21.6	4	96	281	42
		12,237	5	-54.8		5	96	281	45	14,031	5	-65.5		7	98	274	44	16,446	5	-72.4		16	97	275	32	20,533	6	-60.1						23,732	8	-54.9					
AFGHANISTAN																																									
KABUL-AIRPORT	3	820		0.5	9.0													3,042	0	-8.1	7.6	0	47	229	2	5,575	0	-23.7	8.2	0	73	271	10	9,105	0	-48.9	7.8	0	88	274	25
		11,718	0	-54.8	8.0	0	95	273	35	13,557	0	-55.3	8.4	0	96	273	36	16,114	0	-60.0	8.6	0	98	271	30	20,720	3	-60.0	8.9	3	98	271	19	23,629	3	-55.2	9.9	3	98	269	18
KANDAHAR-AIRPORT	2	902		2.9	4.8					1,490		5.5	7.0		23	145	1	3,060		-2.9	7.6		92	280	11	5,640		-20.4	7.8		98	275	22	9,240		-45.2	6.2		96	275	36
		11,892	2	-50.4	8.0		95	270	40																																
PAKISTAN																																									
PESHAWAR	1	973		5.4	4.0					1,478	3	4.5	7.0	3	60	302	4	3,057	3	-7.3	5.0	3	46	265	4	5,565	3	-34.1	5.0	3	73	250	13	9,104	3	-50.1			73	234	20
		11,706	3	-56.5		3	88	242	21	13,528	6	-57.9		7	97	254	28																								
SARGODHA	1	994		12.4	6.0					1,507	1	6.9	7.0	6	40	301	3	3,089	2	-5.6	6.0	6	84	279	5	5,690	2	-21.5	7.0	6	84	270	11	9,324	3	-41.6		9	78	276	19
		12,057	10	-53.1																																					
QUETTA/BREWERY	1	837		-2.7	9.0													3,061	2	-8.5		3	93	290	8	5,541	2	-24.5		2	93	284	16	9,103	2	-46.8		2	91	285	24
		11,746	3	-56.9		7	87	277	24																																
MULTAN	1	1,000		6.9	4.0					1,460	3	6.2		3	45	295	1	3,021	3	-4.6		3	83	262	6	5,580	3	-20.6		4	88	263	10	9,181				9	95	256	18

UPPER AIR DATA

FEBRUARY 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
PAKISTAN																																									
KARACHI AIRPORT	1	1,001		12.8	8.0					1,473	2	10.0	14.0	2	65	327	3	3,061	2	1.8	12.0	2	87	295	6	5,690	2	-13.8	10.0	2	89	289	11	9,400	2	-37.2		2	94	280	18
		12,095	3	-55.1		5	96	280	23	13,862	9	-67.0		9	96	287	27																								
INDIA																																									
SRINAGAR	1	842		1.6	0.2					1,508								3,050	1	-6.9	3.0	1	25	105	1	5,602	1	-22.9	5.6	1	57	195	5	9,177	1	-47.7		1	72	258	15
		11,768	5	-55.7		9	79	265	22																																
NEW DELHI/SAFDARJUNG	3	981		14.9	10.6					1,469	0	8.3	9.1	0	62	298	5	3,046	0	-0.9		0	78	271	8	5,650	0	-17.8		0	94	262	21	9,290	0	-41.2		0	95	261	43
		11,965	0	-54.2		0	99	257	55	13,778	0	-62.3		0	99	260	48	16,222	3	-69.7		3	98	263	36	20,386	7	-62.7		9	97	263	15	23,593	9	-55.1		9	83	262	15
JODHPUR	3	988		18.1	24.0					1,489	0	10.3	21.2	0	42	303	2	3,074	0	-0.1	16.3	0	55	273	7	5,694	0	-14.6		0	92	268	23	9,373	0	-36.9		0	92	267	41
		12,091	1	-53.4		1	97	263	49	13,910	1	-62.5		1	89	264	41	16,372	2	-69.9		2	93	262	34	20,535	5	-62.9		5	93	269	14	23,710	13	-56.9					
LUCKNOW/AMAUSI	3	998		15.7	7.0					1,478	0	10.8	12.5	0	92	291	5	3,069	0	-1.5		0	89	273	10	5,698	0	-15.5		0	96	266	24	9,383	0	-38.2		0	98	272	42
		12,079	0	-54.3		0	95	258	50	13,863	1	-65.5		1	98	262	45	16,282	7	-71.8		8	97	267	31																
GAUHATI	3	1,006		19.3	7.6					1,482	0	11.1	8.4	0	67	237	3	3,073	0	1.8		0	94	267	11	5,723	0	-10.8		0	97	266	27	9,480	0	-33.9		0	96	265	40
		12,209	1	-53.8		1	98	265	44	14,005	1	-66.2		1	97	262	39	16,383	1	-75.7		1	95	259	29	20,453	2	-64.3		2	73	269	13	23,652	4	-55.8		4	81	261	8
AHMADABAD	1	1,006		13.7	6.8					1,494	1	13.5		5	9	5	1	3,104	1	6.3		6	82	274	7	5,795	3	-7.6						9,610	5	-30.2					
		12,377	6	-49.1						14,216	12	-61.9																													
CALCUTTA/DUM DUM	3	1,011		20.5	7.4					1,484	0	13.1	8.3	0	87	294	6	3,090	0	5.1	13.0	0	96	277	12	5,770	0	-8.5		0	96	256	22	9,560	0	-32.2		0	93	244	34
		12,293	1	-53.3		2	99	241	38	14,089	2	-66.1		2	92	241	35	16,478	2	-76.2		2	97	251	24	20,517	8	-65.1													
NAGPUR/SONEGAON	3	977		21.6	10.1																																				
BHUBANESWAR	3	1,007		23.3	9.2					1,500	0	16.0	9.2	0	53	315	3	3,125	0	7.5	4.6	0	79	282	6	5,828	0	-5.7		0	98	258	14	9,666	0	-27.9		3	99	252	23
		12,447	0	-49.7		5	98	239	25	14,277	3	-63.2																													
BOMBAY/SANTACRUZ	3	1,008		24.3	11.8					1,486	0	17.8	15.2	0	17	249	1	3,110	0	7.1	12.5	0	68	225	5	5,806	0	-7.5		0	88	275	13	9,599	0	-32.7		0	93	263	21
		12,328	0	-54.0		0	90	244	23	14,121	0	-67.3		0	92	242	22	16,492	1	-75.0		1	95	258	16	20,538	3	-65.2		3	83	247	6								
HYDERABAD AIRPORT	3	953		24.6	9.3					1,530	0	17.6	8.6	0	92	133	5	3,152	0	7.0	9.7	0	38	274	2	5,851	0	-6.6		0	80	263	7	9,671	0	-30.2		0	87	258	13
		12,437	0	-51.5		0	90	230	17	14,247	0	-66.2		1	91	231	17	16,612	1	-79.0		1	85	259	8	20,697	7	-62.9		8	51	250	3								
VISHAKHAPATNAM/WALTAIR	3	1,004		24.7	4.9					1,490	1	17.2	7.9	1	47	66	2	3,115	1	7.6	9.6	1	29	286	2	5,823	1	-5.5		1	80	252	8	9,657	1	-28.1		1	91	246	14
		12,448	1	-48.8		1	90	237	19	14,274	1	-61.7		3	73	213	14	16,717	10	-72.8		9	85	248	8																
GOA/PANJIM	1	1,002		21.3	2.4					1,484	1	18.7	13.4	1	50	105	4	3,108	1	6.6	8.6	1	64	155	4	5,812	2	-5.7		2	75	314	4	9,630	3	-31.0		5	86	282	9
		12,385	3	-52.5		5	82	230	13	14,186	4	-66.5		7	76	211	13	16,568	7	-77.1		9	64	255	5																
MADRAS/MINAMBAKKAM	3	1,008		25.1	3.6					1,487	0	17.3	5.8	0	83	78	6	3,120	0	9.2	8.3	0	68	84	4	5,839	0	-4.3		0	39	92	3	9,696	0	-28.4		0	38	189	2
		12,476	0	-49.9		0	84	175	9	14,300	0	-64.2		0	86	169	12	16,699	1	-76.4		1	25	191	1	20,817	9	-63.8		9	39	115	2								
PANAMBUR	1	1,005		24.7	2.5					1,489	0	18.4	7.3	0	70	100	4	3,126	0	8.3	9.8	0	78	103	4	5,844	0	-4.6		2	49	44	3	9,686	1	-30.0		3	34	206	2
		12,442	2	-52.8		9	54	221	5	14,236	3	-67.1						16,624	6	-77.7																					
PORT BLAIR	3	1,000		25.7	2.6																																				
COCHIN/ERNAKULAM	1	1,008		26.6	1.9					1,481	0	17.1	4.4					3,119	0	8.3	7.8					5,827	0	-6.3						9,650	2	-30.9					
		12,406	8	-54.2																																					
MINICOY	1	1,008		25.8	2.4					1,474	2	18.1	9.8	2	86	74	5	3,117	2	9.4	10.1	2	74	88	5	5,840	2	-4.9		2	74	82	7	9,679	3	-31.5		3	73	107	6
		12,411	3	-55.2		3	89	133	12	14,196	9	-69.1		9	81	139	11																								
TRIVANDRUM	3	1,000		26.5	3.7					1,475	0	18.1	3.6	0	93	40	5	3,112	0	9.7	3.7	0	81	63	4	5,824	0	-4.9	8.0	7	3	66	6	9,689	0	-28.8	7.8	0	72	102	6
		12,450	0	-51.3		0	93	120	13	14,263	0	-65.3		0	95	127	14	16,657	1	-76.5		1	26	73	2	20,753	9	-64.3		9	38	89	2	23,931	10	-55.1					
THAILAND																																									
CHIANGMAI	1	975		18.7	1.9					1,501	0	18.3	7.3	0	53	245	2	3,137	0	8.5	7.6	0	89	250	7	5,849	0	-6.1		0	90	250	9	9,668	0	-32.4		0	97	230	14
		12,412	0	-54.8		0	93	225	18	14,200	0	-69.2		0	94	215	19	16,553	2	-81.8		2	85	230	9	20,604	7	-63.9		7	66	305	4								
UBON RATCHATHANI	1	998		21.1	3.3					1,515	3	18.9	7.3	3	42	85	1	3,156	3	9.8	10.3	3	61	75	3	5,884	3	-4.0		3	76	145	5	9,716	3	-30.5		3	70	160	5
		12,450	3	-55.2		3	81	175	9	14,222	3	-70.4		3	96	170	13	16,550	3	-83.5		3	77	155	5																
BANGKOK	1	1,010		24.7	1.6					1,504	0	17.9	5.6	0	96	105	4	3,138	0	9.0	10.3	0	71	85	3	5,849	0	-5.5	13.4	0	85	130	5	9,659	0	-32.0		0	86	130	6
		12,382	0	-55.2		1	94	150	11	14,153	0	-69.6		1	79	155	14	16,482	0	-82.3		1	79	125	6	20,483	0	-67.5		1	31	75	1	23,640	2	-58.3		3	99	90	14
SONGKHLA	1	1,009		25.0	2.4					1,492	0	17.0	1.7	0	96	75	10	3,130	0	9.8	6.3	0	98	85	9	5,853	0	-5.3	5.0	0	97	90	11	9,693	0	-29.7	8.1	0	97	95	11
		12,453	0	-52.3		0	96	115	19	14,254	0	-66.3		0	98	115	26	16,634	0	-75.9		0	73	85	7	20,733	0	-61.5		1	78	70	4	24,007	5	-52.1		5	100	85	25
MALAYSIA																																									
PENANG/BAYAN LEPAS	3	1,007		25.4	2.1					1,485	0	17.9	4.6	0	78	66	4	3,122	0	9.3	6.4	0	85	86	6	5,835	0	-5.7	4.6	0	91	93	8	9,650	0	-31.9	8.9	0	95	101	10
		12,375	0	-54.5		0	97	115	19	14,153	0	-68.9		0	99	117	27	16,503	0	-78.2		3	84	98	11	20,537	3	-69.1		12	53	284	3	23,642	9	-61.7		19	99	90	23
KOTA BHARU	3	1,009		24.7	2.3					1,490	4	17.2	3.1	6	97	80	8	3,126	4	9.7	6.5	14	94	79	10	5,847	4	-5.2	7.1	16	96	94	11	9,670	4	-31.3	12.4	19	95	103	12
		12,403	4	-53.8		20	98	113	23	14,187	4	-68.3		20	99	111	31	16,541	5	-78.5		24	76	82	7	20,567	5	-69.1		26	40	7	2	23,681	6	-60.7		26	100	98	22
KUALA LUMPUR/SUBANG	3	1,004		24.3	1.7					1,492	0	16.7	2.4	0	67	47	3	3,127	0	8.3	4.4	0	54	60	3	5,838	0	-6.7	3.4	0	80	91	5	9,653	0	-32.1	10.2	0	94	100	11
		12,378	0	-55.4		0	98	111	20	14,149	0	-70.3		0	99	113	29	16,491	0	-78.3		0	76	103	11	20,541	0	-69.3		3	79	271	5	23,663	7	-59.0		9	99	93	25
KUANTAN	3	1,007		23.5	2.2					1,486	0	15.4	3.3	2	90	42	7	3,115	0	8.2	6.2	2	81	70	5	5,825	0	-6.4	5.5	2	86	96	7	9,643	0	-31.9	10.8	2	95	105	11
		12,373	0	-54.9		3	97	113	20	14,149	0	-69.6		3	98	116	26	16,506	0	-76.7		8	90	113	15	20,579	0	-67.7		15	87	282	6	23,715	1	-58.1		16	99	96	22
KOTA KINABALU	3	1,009		25.4	2.1					1,487	1	17.9	4.2	1	75	89	3	3,125	1	9.8	7.9	2	93	92	7	5,843	1	-5.6	6.7	4	96	94	12	9,654	1	-32.1	7.5	4	98	97	15
		12,383	1	-53.9		9	96	113	19	14,167	1	-68.1		12	98	114	26	16,503	1	-79.1		16	94	105	23	20,537	4	-68.7		21	72	271	5	23,667	19	-59.7		26	99	93	25
TAWAU	1	1,007		24.3	1.4					1,494	0	17.4	4.6	0	88	59	5	3,131	0	9.4	7.4	0	94	80	8	5,847	0	-5.4	9.0	0	97	85	11	9,664	0	-31.0	13.8	2	98	96	17
		12,406	0	-52.6		6	98	103	22	14,201	0	-67.0		12	99	107	29	16,547	1	-78.3						20,613	4	-68.1						23,788	24	-58.2					
SINGAPORE																																									
SINGAPORE AIRPORT	1	1,007		23.9	0.9					1,483	0	17.0	2.5	0	60	360	3	3,117	0	8.5	2.8	0	22	325	1	5,825	0	-6.7	2.0	0	69	85	5	9,637	0	-31.7	5.4	0	96	100	12
		12,364	0	-55.1	6.2	0	98	105	22	14,136	0	-69.9		0	98	109	30	16,482	0	-77.8		1	53	79	5	20,525	0	-69.6		0	80	259	4	23,641	0	-60.1		0	99	90	28

UPPER AIR DATA

FEBRUARY 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		%	°	M.	GPM		°C	°C		%	°	MPS
ASIA																																									
CHINA																																									
HAILAR	1	947		-29.0	1.9					1,408	0	-21.0	2.2	2	83	313	6	2,828	0	-26.2	3.2	3	90	324	11	5,197	0	-39.8	4.3	2	85	312	14	8,531	2	-57.9	4.0	3	85	298	17
		11,077	3	-57.6	5.0	4	88	291	21	12,903	4	-55.8	5.7	6	97	283	27	15,486	6	-53.9	6.5	9	97	274	33	19,968	10	-48.8	7.7	9	97	257	36	23,335	20	-45.3		9	94	242	26
URUMQI	1	921		-17.3	2.4					1,521	0	-14.7	3.3	0	20	40	1	2,994	0	-16.2	6.3	1	45	346	3	5,461	0	-29.8	5.4	1	93	289	15	8,919	2	-54.6	4.3	3	90	279	23
		11,454	2	-59.9	6.1	2	97	277	28	13,261	2	-57.8	6.5	3	98	274	33	15,813	5	-58.2	4.9	6	98	276	33	20,183	9	-59.0		9	98	275	33	23,386	15	-57.2		9	99	272	40
BEIJING	1	1,023		-5.9	13.9					1,495	0	-12.3	14.3	0	81	317	8	2,960	0	-10.1	13.7	0	92	309	12	5,427	0	-29.1	15.0	0	96	290	25	8,913	0	-51.4	11.4	0	98	282	46
		11,515	0	-53.3	13.3	0	99	277	53	13,369	0	-53.8	14.0	0	99	276	53	15,954	0	-57.2	14.7	0		278	45	20,347	2	-54.4	16.3	3	98	267	27	23,655	3	-49.3	17.9	9	93	254	17
LANZHOU	1	1,850		-6.2	8.7									9	98	63	**	3,017	0	-10.9	3.7	0	40	203	2	5,576	1	-20.3	12.3	2	95	281	18	9,166	1	-46.6	8.1	2	98	267	43
		11,791	1	-53.7	8.2	2	98	267	65	13,623	1	-58.1	7.8	2		265	62	16,138	1	-63.9	5.0	3		265	46	20,388	4	-60.1		7		271	22	23,625	8	-53.7		9		280	19
SHANGHAI	1	1,027		1.8	3.1					1,505	0	-3.8	8.0	0	50	306	4	3,036	0	-5.7	8.4	0	87	276	13	5,638	0	-15.4	11.9	0	97	286	31	9,336	0	-35.0	10.6	0	99	271	70
		12,069	0	-51.4	9.7	2	99	274	75	13,891	0	-62.1	8.6	5	99	273	68	16,336	3	-69.1		9	98	272	42	20,520	6	-59.6		9		268	13	23,779	8	-52.2		9	40	281	2
LHASA	1	648		-2.7	18.0																					5,683	0	-13.3	19.7	0		249	13	9,716	0	-36.7	17.6	0	98	262	55
		12,090	1	-52.4	15.7	3		255	66	13,907	1	-62.7	13.2	2	0	256	55	16,349	1	-71.0		5		260	42	20,498	5	-63.0		9	98	271	13	22,721	6	-54.9		9		269	13
TAIBEI	2	1,018		14.6	2.6					1,512	0	6.6	3.0	0	26	153	4	3,093	0	2.8	8.2	0	98	258	32	5,762	0	-7.1	24.2	0	99	275	66	9,561	0	-31.3	2.5	0	99	273	77
		12,297	0	-53.3		0	99	271	78	14,093	2	-67.1		2	99	267	72	16,458	9	-80.1		9	97	268	52																
KUNMING	1	810		6.1	4.3													3,089	0	4.0	8.7	0		263	17	5,786	0	-5.9	19.8	0		264	32	9,603	1	-31.3	15.6	3	97	258	37
		12,362	1	-52.1	13.0	9		251	37	14,156	2	-65.7		9	91	251	32	16,542	7	-77.9		9	96	262	24	20,537	13	-64.8		9		333	5	23,736	17	-55.6		9		95	3
GUANGZHOU	1	1,020		10.8	3.6					1,517	0	9.2	2.8	0	75	221	6	3,117	0	5.4	7.2	0	94	267	16	5,824	0	-5.5	18.4	1	96	270	22	9,640	0	-31.8	15.3	0	97	263	28
		12,382	0	-52.8	12.4	1		261	30	14,179	1	-66.9		1		252	30	16,537	2	-81.2		2		260	22	20,513	6	-66.2		7		271	9	23,687	9	-56.7		9	86	281	6
AUSTRALASIA																																									
NEW ZEALAND																																									
AUCKLAND AERODROME		1,015		20.5	4.3					1,509	0	9.4	5.3	4	15	15	2	3,100	0	2.2	13.7	3	26	260	4	5,740	0	-13.8	14.9	3	61	273	13	9,419	0	-41.3	11.6	4	63	277	22
		12,076	0	-55.5	11.4	4	85	276	32	13,891	0	-60.0	11.2	5	91	281	31	16,399	0	-62.8		5	91	282	18	20,714	2	-57.1		7	75	70	7	24,005	4	-49.6		9	98	88	15
CHRISTCHURCH AERODROME		1,011		16.9	5.1					1,486	0	9.0	7.7	4	42	285	5	3,072	0	1.2	12.0	2	35	264	6	5,706	0	-14.5	13.4	1	43	275	11	9,368	0	-42.5	9.8	2	31	273	12
		11,993	1	-56.1	9.3	2	39	275	14	13,818	2	-57.2		1	67	274	17	16,262	2	-59.1		1	67	286	10	20,740	2	-54.6		2	46	91	4	24,051	2	-46.3		2	85	91	9
NORTH PACIFIC																																									
MIDWAY ISLAND	2	1,016		20.2	6.1					1,515	0	11.1	6.1	2	85	249	9	3,117	0	3.7	12.3	0	92	257	13	5,778	0	-10.8	14.8	0	93	268	23	9,512	0	-35.6	12.4	1	95	279	35
		12,223	0	-53.6		2	97	283	44	14,032	1	-64.3		4	97	287	35	16,438	3	-73.3		7	97	278	25	20,551	11	-63.3		12	23	224	1	23,747	14	-56.8		18	71	90	4
LIHUE, KAUAI, HAWAII	2	1,014		21.9	4.1					1,543	0	11.4	3.8	0	71	78	4	3,154	0	6.7	20.2	0	32	58	2	5,839	0	-9.7	18.0	0	37	321	4	9,576	0	-37.2	12.2	0	79	325	17
		12,272	0	-54.9		0	89	318	26	14,073	0	-64.2		0	91	315	25	16,480	0	-76.0		0	85	307	13	20,559	1	-64.4		1	72	93	3	23,741	3	-57.1		3	97	80	6
HILO/GEN. LYMAN, HAWAII	2	1,017		19.5	3.1					1,541	0	11.7	2.3	0	54	89	3	3,146	0	5.4	18.6	0	54	79	4	5,821	0	-10.1	17.9	0	42	35	5	9,556	0	-37.6	12.2	2	59	335	11
		12,249	0	-54.1		1	76	320	22	14,055	2	-64.1		7	84	307	21	16,458	2	-75.9		4	86	316	13	20,531	3	-64.9		4	42	78	1	23,707	4	-57.7		4	93	77	6
WAKE ISLAND	2	1,014		25.7	4.7					1,527	0	14.7	4.5	0	47	145	3	3,154	0	9.1	16.4	0	51	194	3	5,874	0	-5.2	19.1	0	76	258	7	9,688	0	-31.8	15.6	0	93	279	12
		12,427	0	-53.1		1	93	279	14	14,221	0	-66.9		1	92	276	13	16,577	1	-80.9		2	84	263	9	20,576	3	-65.6		3	83	116	4	23,756	3	-57.2		3	94	89	7
JOHNSTON ISLAND	2	1,014		24.8	4.1					1,527	0	13.9	4.8	0	95	88	8	3,148	0	8.7	21.1	0	86	77	6	5,859	0	-6.2	19.3	0	64	40	6	9,658	0	-32.8	15.5	0	87	327	11
		12,388	0	-53.5		0	88	324	15	14,183	0	-66.6		0	89	323	13	16,545	0	-79.8		0	81	341	7	20,555	3	-66.2		3	77	101	3	23,726	3	-58.5		3	97	86	9
GUAM, TAGUAC, MARIANA IS.	2	999		24.0	2.0					1,511	0	17.0	5.0	1	87	82	7	3,148	0	10.5	18.0	0	47	87	3	5,876	0	-4.3	20.2	0	84	63	5	9,709	0	-30.6	15.8	0	55	39	2
		12,457	1	-53.0		1	10	63	1	14,250	1	-67.7		1	12	106	1	16,591	1	-83.0		1	82	124	6	20,582	3	-66.4		3	81	109	4	23,739	4	-58.4		4	99	88	15
YAP, CAROLINE ISLANDS	1	1,008		27.3	3.5					1,501	0	17.6	4.7	0	96	81	8	3,140	0	10.1	9.9	0	94	85	7	5,867	0	-4.5	14.5	0	97	87	11	9,708	0	-29.7	13.2	0	92	80	10
		12,463	0	-52.5		0	88	105	9	14,261	0	-67.1		0	90	101	11	16,606	0	-83.5		0	96	107	14	20,619	1	-66.3		1	57	71	2	23,781	1	-58.7		1	100	92	21
TRUK, CAROLINE ISLANDS	1	1,010		28.1	4.0					1,506	0	17.6	2.9	0	94	90	8	3,147	0	9.9	7.9	0	95	92	8	5,873	0	-4.2	11.1	0	96	88	10	9,721	0	-29.2	12.2	0	91	88	8
		12,483	0	-52.1		0	80	97	7	14,285	0	-66.4		0	79	95	8	16,640	1	-81.8		1	94	93	12	20,659	2	-66.9		2	6	93	**	23,811	3	-59.3		3	100	90	21
KOROR, PALAU ISLANDS	1	1,006		27.0	2.8					1,501	0	17.6	3.1	3	90	85	8	3,143	0	9.9	8.0	1	93	82	8	5,869	0	-4.7	10.4	1	97	87	13	9,710	1	-29.8	10.8	2	97	90	12
		12,465	1	-52.6		2	95	101	14	14,259	1	-67.4		1	95	110	16	16,602	1	-83.4		1	97	101	18	20,632	1	-66.6		1	35	78	1	23,787	1	-59.1		1	100	93	24
MAJURO, MARSHALL ISLANDS	1	1,010		28.2	4.3					1,505	0	17.7	3.8	0	96	87	10	3,147	0	10.6	11.1	0	86	88	6	5,876	0	-4.1	15.3	0	91	86	9	9,722	0	-29.5	13.8	0	50	55	4
		12,482	0	-51.8		0	22	67	2	14,287	0	-66.0		0	54	65	5	16,652	0	-80.6		0	89	78	9	20,680	0	-66.2		0	13	150	**	23,839	1	-58.1		1	100	91	23
PONAPE, CAROLINE ISLANDS	1	1,004		27.9	3.7					1,488	0	17.6	2.8	0	95	87	11	3,133	0	10.2	8.5	0	94	90	7	5,860	0	-4.1	12.3	0	94	85	9	9,709	0	-29.1	13.3	0	84	84	6
		12,472	0	-51.7		0	67	104	6	14,277	0	-66.1		0	68	79	7	16,638	0	-81.5		0	91	91	11	20,665	0	-66.5		0	12	245	**	23,815	1	-59.0		1	100	88	24
TARAWA, GILBERT ISLANDS		1,006		29.4	4.3					1,471	1	17.2	8.4					3,110	1	10.5	8.1	8	92	86	15	5,832	1	-4.6	16.6	5	85	83	14	9,321	1	-30.9	15.1				
		12,405	2	-52.1	11.2	9	32	64	7	14,198	2	-67.4	9.9	9	41	58	7	16,538	2	-80.4		9	77	61	13	20,556	2	-67.9						23,686	4	-59.1					
SOUTH PACIFIC																																									
FUNAFUTI, ELLICE IS.		1,008		28.9	5.2					1,497	0	18.2	4.3					3,139	0	9.8	5.7					5,863	0	-5.2	6.6					9,694	0	-30.7	11.9				
		12,438	0	-54.4						14,223	1	-68.6						16,558	4	-82.2						20,584	8	-66.5						23,743	9	-57.7					
ATUONA, MARQUESAS ISLAND	1	1,003		29.9	5.9					1,492	0	16.8	3.8	0	85	82	4	3,127	0	9.9	9.1	0	91	89	6	5,847	0	-5.4	15.0	0	91	80	8	9,646	0	-32.9	10.1	0	76	101	7
		12,363	0	-54.8		0	36	169	4	14,156	0	-64.5		0	57	218	5	16,581	3	-73.1		3	33	150	2	20,654	7	-65.6		7	88	88	9	23,832	13	-56.2		16	96	80	21
PAGO PAGO, SAMOA	1	1,009		29.9	4.9					1,505	0	18.1	3.5	0	61	27	3	3,148	0	10.0	6.4	0	63	56	3	5,875	0	-4.5	11.1	0	65	95	4	9,715	0	-30.2	13.1	0	72	116	6
		12,466	0	-52.8		0	74	140	9	14,260	0	-67.3		0	70	149	9	16,614	1	-80.7		1	80	141	7	20,656	3	-66.0		3	99	86	13	23,833	4	-56.1		4	100	85	23
HAO, TUAMOTU IS.	1	1,011		29.7	5.7					1,514	0	17.4	3.9	0	91	66	5	3,149	0	8.9	5.8	0	78	74	4	5,863	0	-6.0	12.6	0	50	41	3	9,658	0	-33.0	8.3	0	70	123	6
		12,376	0	-55.5		0	88	152	12	14,151	0	-68.0		0	88	153	12	16,550	0	-73.2		0	50	63	2	20,613	3	-66.8		4	99	89	13	23,781	7	-56.7		7	100	88	21
TAHITI, SOCIETY IS.	1	1,010		30.8	6.1					1,513	0	18.1	3.8	0	84	57	4	3,154	0	9.9	5.8	0	61	58	3	5,879	0	-4.6	9.6	0	24	67	1	9,714	0	-30.1	8.1	0	79	143	8
		12,467	0	-52.4		0	89	160	15	14,261	0	-67.1		0	87	167	16	16,645	1	-74.0		1	52	157	3	20,735	2	-64.6		2	98	90	14	23,930	6	-55.5		6	100	91	22
NANDI, FIJI IS.		1,007		29.9	6.6					1,501	0	17.6	3.7	0	67	329	8	3,148	0	10.8	6.2	0	60	318	7	5,879	0	-4.9	6.7	0	37	318	4	9,707	0	-31.0		0	20	253	3
		12,450	0	-54.1	8.7	0	31	233	7	14,234	0	-68.7		0	43	224	11	16,572	0	-83.4		0	41	167	6	20,608	0	-65.0		0	98	87	27	23,804	1	-50.0		28	99	85	43
NOUMEA/NOUVELLE-CALEDONIE		1,001		26.2	4.7					1,486	0	16.1	3.8	0	53	107	3	3,123	0	10.5	12.8	0	35	274	2	5,854	0	-4.1	8.6	1	84	283	8	9,698	1	-29.6	8.3	1	93	281	17
		12,460	1	-51.3		1	86	267	20	14,269	1	-65.1		1	93	275	19	16,640	1	-79.5		1	89	270	11	20,697	2	-65.2		3	98	83	13	23,897	7	-54.5		10	99	88	20
RAROTONGA, COOK IS.		1,009		28.1	3.5					1,504	0	18.3	3.4	1	50	350	6	3,148	0	9.8	6.1	2	55	343	6	5,869	0	-5.4	6.8	2	31	253	4	9,695	0	-31.2	8.6	1	53	236	10
		12,430	0	-54.7		1	66	225	18	14,209	0	-68.9		1	74	217	23	16,565	0	-77.4		1	65	208	12	20,675	0	-62.9		2	99	89	24	23,970	7	-53.3		8	99	91	39

UPPER AIR DATA

FEBRUARY 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB								850 MB 150 MB								700 MB 100 MB								500 MB 50 MB								300 MB 30 MB							
			TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND			
		HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
AUSTRALASIA																																									
SOUTH PACIFIC																																									
RAPA, AUSTRAL IS.	1	1,014		23.9	3.6					1,513	0	14.7	3.2	0	37	353	2	3,138	0	7.8	8.3	0	76	297	6	5,842	0	-6.5	9.0	0	93	281	9	9,644	0	-32.4	6.7	0	80	277	14
		12,374	0	-53.8		0	79	267	18	14,166	0	-65.4		2	84	255	17	16,605	2	-68.5		2	82	273	9	20,826	5	-59.6		7	86	66	5	24,070	14	-51.4		15	97	81	13
RAOUL IS.,KERMADEC IS.														0	40	74	7					1	16	338	2					4	77	279	17					8	92	280	43
CHATHAM ISLAND		1,011		16.1	3.2					1,496	0	6.3	5.1					3,078	0	1.0	12.0					5,750	0	-15.2	13.5					9,354	0	-42.6					
		11,994	0	-55.8						13,814	0	-58.6						16,358	0	-59.0						20,741	3	-54.9						24,055	8	-48.4					
CAMPBELL ISLAND		1,008		11.6	1.7					1,413	1	2.6	5.7					2,968	1	-3.6	7.6					5,558	2	-18.2	9.4					9,178	2	-44.2					
		11,815	4	-54.2						13,665	5	-53.7						16,267	5	-54.0						20,750	5	-50.7						24,103	5	-47.3					
OCEAN SHIPS																																									
SHIP L	1	1,009		7.2	3.4					1,387	0	-2.3	3.2	0	75	245	14	2,907	0	-9.9	13.5	0	83	250	18	5,431	0	-24.6	12.1	0	75	250	22	8,950	0	-50.2		0	78	257	29
		11,510	0	-62.7		0	80	259	27	13,283	0	-61.6		0	86	259	24	15,786	0	-63.8		0	87	265	24	19,990	5	-69.4		0	81	273	28	23,074	10	-70.3		0	76	279	31

UPPER AIR DATA LATE REPORTS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB								850 MB 150 MB								700 MB 100 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
DECEMBER 1982		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
SOUTH AMERICA																									
ARGENTINA-SOUTHERN																									
RIO GRANDE B.A.										1,310		0.6	1.2					2,842	4	-8.4	9.7				
ANTARCTICA																									
B. A. VICECOMODORO MARAMBIO	2	976		-2.3	1.1					1,280	9	-5.6	5.7	9	25	16	2	2,786	9	-11.3	10.6	9	30	353	2
		11,359	9	-53.0		9	53	292	6	13,214	9	-51.0		9	63	293	8	15,878	9	-46.5		10	60	300	6
JUNE 1983																									
NORTH AMERICA																									
MEXICO-NORTHERN																									
ISLA GUADALUPE, B.C.	2	1,012		16.0	2.4					1,500	1	16.8	22.7	0	70	312	4	3,137	1	10.6	22.0	0	76	271	5
		12,306	2	-53.8		1	92	249	23	14,120	3	-61.8		2	94	246	24	16,582	4	-68.4		3	79	245	8
JULY 1983																									
AFRICA																									
ZIMBABWE																									
BULAWAYO/GOETZ OBS	1	873		10.3	4.8					1,559	0	13.3	10.0	0	80	108	6	3,168	0	6.0	20.3	0	27	72	2
		12,288	0	-55.2	19.5	2	86	268	26	14,083	1	-64.0		2	94	273	23	16,516	1	-72.1		4	83	272	13
SALISBURY/BELVEDERE	1	859		11.6	6.3					1,561	0	12.2	6.7	0	66	81	3	3,175	0	6.1	12.8	0	44	73	2
		12,360	0	-54.2	18.9	0	94	268	25	14,160	0	-64.2		1	93	270	21	16,587	2	-73.0		4	93	270	13
AUGUST 1983																									
AUSTRALASIA																									
OCEAN SHIPS																									
SHIP R	1	1,023		18.6	2.8					1,562	0	10.5	5.4	0	52	319	4	3,167	0	3.6	9.3	0	59	332	5
		12,195	0	-54.7		0	46	353	8	14,028	0	-55.5		0	51	333	6	16,605	0	-56.4		0	58	305	4
DECEMBER 1983																									
NORTH AMERICA																									
ADJACENT ISLANDS																									
GUANTANAMO ORIENTE	2	1,013		23.0	3.3					1,552	19	15.8	4.8	19	51	137	2	3,177	19	6.9	11.0	19	50	175	2
		12,372	19	-56.6		20	74	293	13	14,139	20	-69.3		20	78	303	10	16,518	20	-79.0		21	31	305	2
PIARCO INT. AP. TRINIDAD	2	1,013		24.2	1.6					1,534	0	16.2	2.8	0	96	87	8	3,164	0	7.6	7.1	0	85	90	5
		12,394	0	-55.0		0	88	268	14	14,172	0	-68.8		0	93	277	18	16,532	0	-78.8		0	77	315	7
DOMINICAN REPUBLIC																									
SANTO DOMINGO	2	1,014		21.9	1.3					1,535	13	15.2	2.5	16	60	95	2	3,162	13	7.6	10.1	16	65	68	3
		12,367	14	-55.2		19	71	343	13	14,148	15	-67.5		20	88	293	13	16,538	18	-76.0					
AFRICA																									
OCEAN ISLANDS																									
DIEGO GARCIA/MAURITIUS	2	1,007		27.1	3.6					1,482	8	17.3	2.6	8	48	279	3	3,122	8	9.3	5.9	8	40	286	2
		12,400	11	-54.0		11	77	115	8	14,185	12	-68.2		14	70	94	7	16,538	17	-81.4		18	56	137	5
JANUARY 1984																									
NORTH AMERICA																									
MEXICO-NORTHERN																									
ISLA GUADALUPE, B.C.	2	1,017		15.4	2.9					1,532	1	10.2	16.0	2	46	1	3	3,126	1	3.1	17.3	1	70	348	7
		12,087	3	-56.7		3	89	275	24	13,903	4	-60.5		4	92	269	21	16,383	5	-67.9		5	94	267	14
CHIHUAHUA UNIV. DE	2	859		2.3	4.0					1,518	0	5.0	8.0	1	30	329	1	3,097	0	1.0	13.0	0	57	239	6
		12,053	1	-56.8		5	90	255	35	13,860	1	-60.6		6	94	261	31	16,338	2	-68.1		8	95	265	19
GUATEMALA																									
GUATEMALA/LA AURORA AP	2	854		12.6	1.6					1,535	0	12.3	1.3	0	100	10	5	3,151	0	7.0	10.4	0	78	62	5
		12,342	2	-55.5		3	88	256	12	14,133	2	-65.7		4	88	259	11	16,510	3	-79.3		4	23	254	1

STATION	500 MB 50 MB								300 MB 30 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
DECEMBER 1982	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
SOUTH AMERICA																
ARGENTINA-SOUTHERN																
RIO GRANDE B.A.																
ANTARCTICA																
B. A. VICECOMODORO MARAMBIO	5,288	9	-27.4	11.2	9	33	342	3	8,767	9	-52.4	11.5	9	36	313	6
	20,537	15	-40.1		17	40	29	2								
JUNE 1983																
NORTH AMERICA																
MEXICO-NORTHERN																
ISLA GUADALUPE, B.C.	5,851	1	-7.5	18.9	1	77	255	7	9,604	2	-36.5	14.2	1	82	253	16
	20,819	6	-59.0		9	91	84	6	24,088	10	-52.1		9	88	77	10
JULY 1983																
AFRICA																
ZIMBABWE																
BULAWAYO/GOETZ OBS	5,854	0	-9.2	30.7	0	41	254	4	9,594	0	-36.6	24.4	0	84	267	19
	20,654	2	-62.8		6	29	63	1	23,872	2	-53.8		7	45	78	3
SALISBURY/BELVEDERE	5,874	0	-6.8	33.0	0	31	233	3	9,649	0	-34.8	23.3	0	92	270	18
	20,715	5	-63.1		9	40	27	2	23,951	11	-53.2					
AUGUST 1983																
AUSTRALASIA																
OCEAN SHIPS																
SHIP R	5,823	0	-11.6	8.8	0	48	337	5	9,527	0	-39.3		0	45	351	7
	21,030	2	-53.3		0	31	75	2	24,347	9	-49.6		0	50	89	3
DECEMBER 1983																
NORTH AMERICA																
ADJACENT ISLANDS																
GUANTANAMO ORIENTE	5,888	19	-6.2	19.1	19	51	219	2	9,673	19	-34.7	10.6	19	73	312	6
	20,549	21	-64.4						23,747	23	-54.5					
PIARCO INT. AP. TRINIDAD	5,869	0	-6.6	14.1	0	43	79	2	9,671	0	-32.7	12.8	0	67	286	8
	20,614	0	-62.7		0	70	71	3	23,817	0	-56.3		0	100	96	20
DOMINICAN REPUBLIC																
SANTO DOMINGO	5,871	13	-6.7	18.1	16	43	73	3	9,653	13	-34.0	13.7	17	28	63	5
	20,604	18	-62.9						23,821	20	-53.8					
AFRICA																
OCEAN ISLANDS																
DIEGO GARCIA/MAURITIUS	5,839	8	-5.8	8.7	8	29	322	2	9,662	10	-31.1	9.0	11	48	76	3
	20,576	21	-66.3		21	98	116	6	23,728	25	-56.3					
JANUARY 1984																
NORTH AMERICA																
MEXICO-NORTHERN																
ISLA GUADALUPE, B.C.	5,769	1	-14.3	15.6	2	68	323	10	9,429	2	-41.5	8.3	2	73	300	16
	20,587	10	-62.8		11	47	345	2	23,796	12	-56.4		12	50	28	2
CHIHUAHUA UNIV. DE	5,729	0	-14.9	16.2	0	73	255	12	9,394	0	-41.0	8.1	0	85	256	26
	20,519	8	-62.6		12	63	293	3	23,730	13	-56.0		15	77	293	3
GUATEMALA																
GUATEMALA/LA AURORA AP	5,854	0	-6.6	19.5	0	34	94	2	9,639	0	-34.4	15.2	1	49	292	4
	20,531	4	-64.8		4	69	87	3	23,710	6	-57.2		6	94	84	12

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
JANUARY 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																																											
ADJACENT ISLANDS																																											
NASSAU INTL.AP BAHAMAS	2	1,018		19.2	1.3					1,542	0	12.4	6.3	1	26	232	2	3,150	0	5.0	12.9	0	80	256	7	5,826	0	-10.3	17.3	0	91	264	15	9,552	0	-38.2	11.1	0	94	276	29
		12,219	0	-57.4		0	96	280	37	14,006	0	-64.3		0	98	279	33	16,420	0	-74.9		0	97	273	22	20,524	1	-62.8		2	25	64	1	23,733	2	-54.7		3	46	77	4
GUANTANAMO ORIENTE	2	1,012		20.6	3.9					1,533	8	14.4	5.2	8	59	68	3	3,152	8	7.2	15.4	8	36	86	2	5,854	8	-7.2	18.1	8	45	286	3	9,613	8	-36.5	13.3	8	89	296	13
		12,293	8	-57.6		8	96	297	22	14,081	9	-65.6		9	96	296	18	16,468	9	-77.6		9	89	298	12	20,497	9	-64.5		9	23	110	1	23,687	9	-56.1		9	68	80	5
KINGSTON/NORMAN MANLEY, JAM.	2	1,014		23.9	5.2					1,525	1	14.8	5.6	1	91	87	6	3,147	1	7.3	13.2	1	79	79	5	5,849	1	-7.0	18.0	1	16	333	1	9,619	1	-35.9	13.5	1	78	298	9
		12,310	1	-56.1		3	94	279	18	14,095	1	-66.1		2	94	284	15	16,476	2	-78.5		3	89	285	9	20,499	4	-64.6		4	89	84	4	23,689	6	-55.7		6	96	77	9
PIARCO INT. AP. TRINIDAD	2	1,012		23.4	1.3					1,522	3	15.8	4.4	3	94	78	7	3,150	3	8.1	10.3	3	56	86	3	5,852	3	-7.1	16.4	3	36	40	2	9,645	5	-33.6	13.6	5	93	285	14
		12,363	5	-54.9		5	93	270	17	14,147	5	-67.4		5	96	294	13	16,519	5	-78.1		5	78	352	7	20,591	7	-62.8		7	71	72	3	23,788	7	-56.6		7	99	91	18
DOMINICAN REPUBLIC																																											
SANTO DOMINGO	2	1,013		21.1	1.1					1,526	4	14.1	2.6	15	73	66	5	3,145	5	7.3	13.6	16	68	72	5	5,852	4	-6.7	17.7	15	61	48	4	9,629	4	-35.5	13.7	16	45	301	5
		12,328	4	-55.3		17	74	295	7	14,123	6	-65.5		17	84	302	9	16,528	6	-76.3		18	65	332	5	20,584	7	-64.2		19	71	43	6	23,793	9	-55.1		20	68	56	7
SOUTH AMERICA																																											
COLOMBIA																																											
BOGOTA/EL DORADO	2	753		8.8	2.1													3,144	1	7.3	3.0	1	89	72	2	5,848	0	-6.2	12.8	0	55	57	2	9,652	0	-32.6	11.2	0	53	131	3
		12,377	0	-54.8		0	33	206	3	14,161	0	-67.3		0	75	307	7	16,543	0	-77.4		0	71	38	6	20,617	6	-65.4		6	57	300	3	23,781	6	-58.3		6	99	88	27
CHILE																																											
PUERTO MONTT /EL TEPUAL	2	1,006		10.9	1.6					1,483	11	6.0	5.1	11	79	257	6	3,056	10	0.2	13.2	10	92	251	12	5,682	10	-14.6	13.4	10	93	256	21	9,354	10	-41.0	9.5	12	94	255	26
		12,018	10	-54.0		13	94	258	30	13,847	10	-58.1		12	96	264	30	16,378	10	-61.1		13	96	259	24	20,733	11	-54.4		14	20	283	1	24,033	21	-46.5		21	94	72	5
AFRICA																																											
OCEAN ISLANDS																																											
DIEGO GARCIA/MAURITIUS	2	1,007		26.6	2.3					1,474	10	16.9	2.5	10	93	292	7	3,109	10	8.5	5.0	10	92	295	11	5,820	10	-6.3	4.2	11	73	298	5	9,635	11	-31.8	8.5	12	67	148	4
		12,361	14	-55.0		16	89	131	11	14,140	18	-69.3		18	91	114	16	16,511	24	-79.1																							
AUSTRALASIA																																											
NORTH PACIFIC																																											
YAP, CAROLINE ISLANDS	1	1,009		27.5	3.4					1,509	0	17.8	3.6	1	90	86	7	3,153	0	10.3	9.6	1	95	95	8	5,878	0	-5.1	8.9	0	94	96	9	9,715	0	-30.0	11.0	0	94	96	10
		12,466	0	-53.0		0	90	101	10	14,260	0	-67.3		0	92	107	11	16,605	0	-82.6		0	94	110	13	20,632	1	-66.4		1	68	83	3	23,792	3	-57.9		3	100	91	22
SOUTH PACIFIC																																											
RAOUL IS.,KERMADEC IS.																						1	54	276	7					3	82	279	20					4	85	284	43

UPPER AIR DATA CORRECTIONS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB								850 MB 150 MB								700 MB 100 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			
			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
MARCH 1982																									
EUROPE																									
NORWAY BJORNOYA																									
APRIL 1982																									
ASIA																									
ISRAEL BET DAGAN																								244	
MAY 1982																									
EUROPE																									
NORWAY BJORNOYA																									
ASIA																									
ISRAEL BET DAGAN																									
SEPTEMBER 1982																									
EUROPE																									
NORWAY BJORNOYA												-5.2													
SEPTEMBER 1983																									
AFRICA																									
ZIMBABWE BULAWAYO/GOETZ OBS																									

STATION	500 MB 50 MB								300 MB 30 MB							
	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
	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
MARCH 1982																
EUROPE																
NORWAY BJORNOYA									22.846							
APRIL 1982																
ASIA																
ISRAEL BET DAGAN								5								
MAY 1982																
EUROPE																
NORWAY BJORNOYA											-41.6					
ASIA																
ISRAEL BET DAGAN			-57.4													
SEPTEMBER 1982																
EUROPE																
NORWAY BJORNOYA																
SEPTEMBER 1983																
AFRICA																
ZIMBABWE BULAWAYO/GOETZ OBS																

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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.

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CLIMATOLOGICAL DATA

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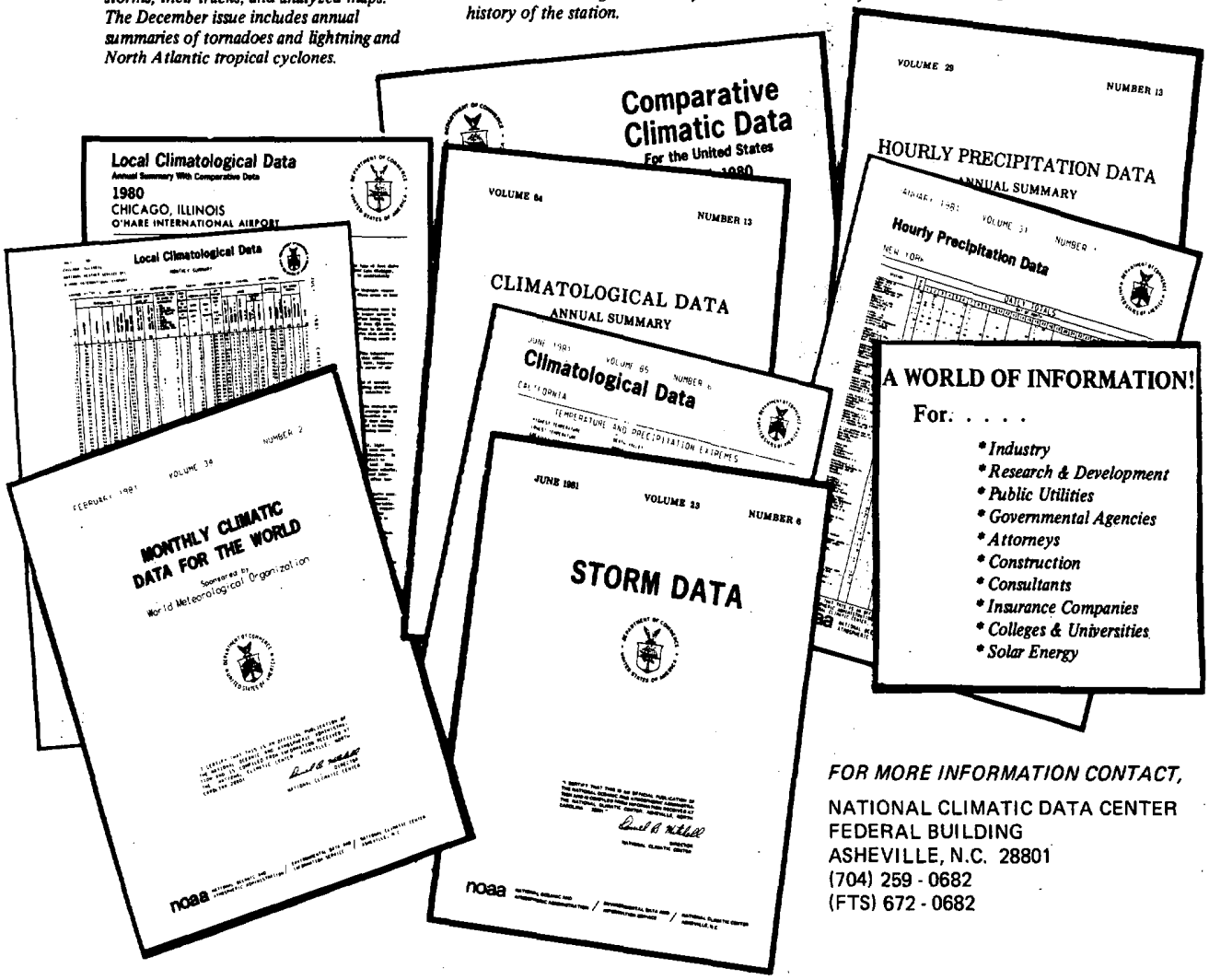

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COVER: The cover maps are long term means analyzed on a miller cylindrical projection of the world. They were prepared by U. S. National Climatic Data Center personnel from a variety of sources, including data from Monthly Climatic Data for the World 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

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