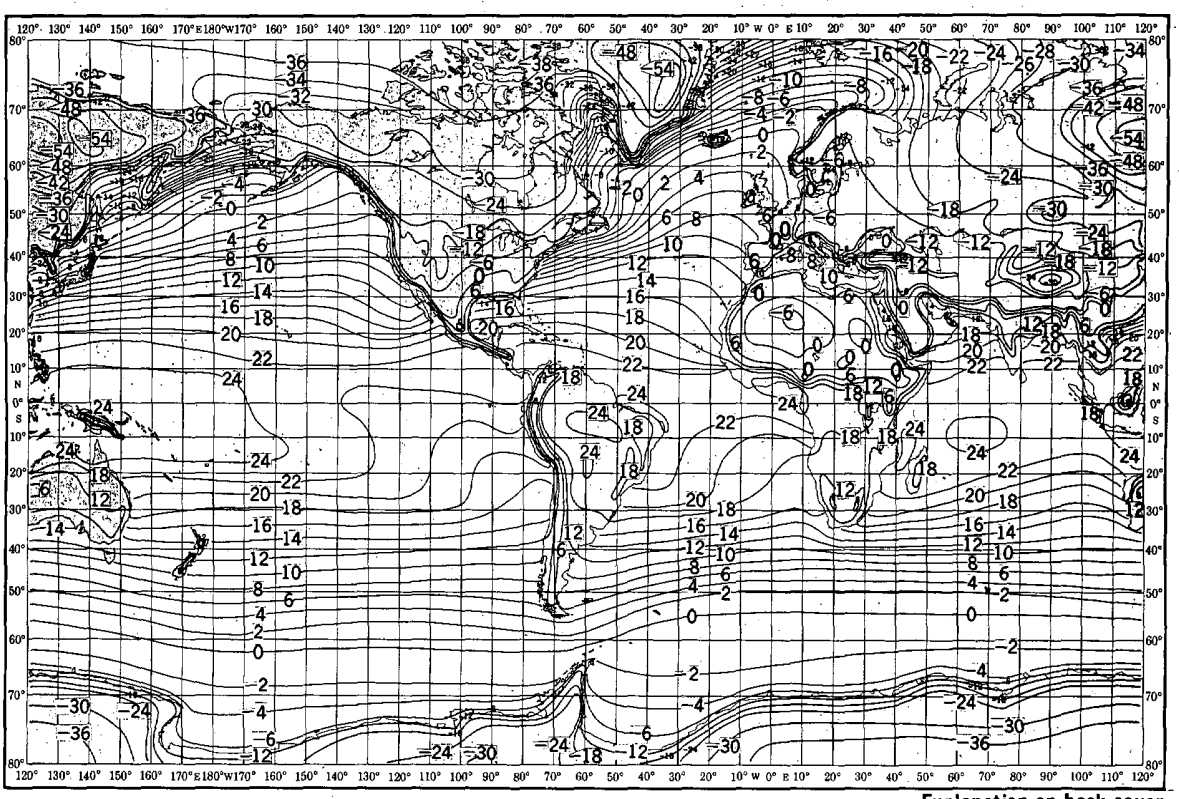
JANUARY 1985 VOLUME 38 NUMBER 1

MONTHLY CLIMATIC DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE WORLD METEOROLOGICAL ORGANIZATION

JANUARY

DEW-POINT TEMPERATURE (°C) - MEANS



Explanation 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

JANUARY 1985

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
NORTH AMERICA															
ALASKA															
BARROW	71 18 N	156 47 W	4	31	1017.6	1018.0	-21.8	+ 4.0	0.9		0	1	- 4	1	
BARTER ISLAND	70 08 N	143 38 W	15	31	1014.9	1016.9	-22.4	+ 3.7	0.8		5	19	+ 6	3	
KOTZEBUE	66 52 N	162 38 W	5	31	1006.4	1007.1	- 8.8	+10.6				10	+ 1		
NOME	64 30 N	165 26 W	7	31	1001.4	1002.0	- 4.2	+10.4	3.8		5	15	- 5	3	62
FAIRBANKS	64 49 N	147 52 W	138	31	990.9	1008.9	-11.6	+13.3	2.3		6	13	0	4	
MCGRATH	62 58 N	155 37 W	103	31	993.1	1006.4	-11.0	+12.4			10	35	+ 14	5	
BETHEL	60 47 N	161 48 W	46	31	997.1	998.6	- 3.5	+11.6	4.1		4	24	+ 4	4	
ANCHORAGE	61 10 N	150 01 W	40	31	1001.0	1006.1	- 0.9	+ 9.7	4.9		9	18	- 3	3	26
ST. PAUL	57 09 N	170 13 W	9	31	986.5	987.2	1.0	+ 4.2	5.9		20	73	+ 27	5	
COLD BAY	55 12 N	162 43 W	31	31	986.8	990.7	2.3	+ 4.4	6.7		21	84	+ 15	4	
KING SALMON	58 41 N	156 39 W	15	31	996.3	998.2	0.3	+11.1	5.8		6	24	- 2	1	
YAKUTAT	59 31 N	139 40 W	9	31	1011.5	1012.4	3.1	+ 8.0			25	808	+569	6	
ANNETTE ISLAND	55 02 N	131 34 W	34	31	1015.9	1020.0	5.6	+ 5.2	7.8		21	301	+ 48	4	
CANADA-WESTERN															
MOULD BAY	76 14 N	119 20 W	15	31	1021.8	1023.5	-30.9	+ 2.9	0.4	+0.1	1	3	+ 1	4	
SACHS HARBOUR	71 59 N	125 17 W	86	31	1011.2	1023.2	-27.5	+ 2.2	0.6	+0.2	0	0	- 2		
CAMBRIDGE BAY	69 06 N	105 07 W	27	31	1017.5	1021.3	-31.6	+ 2.1	0.4	+0.1	2	6	+ 1	4	
COPPERMINE	67 50 N	115 07 W	9	31	1020.2	1023.4	-26.1	+ 3.3	0.9	+0.4	3	19	+ 9	5	338
INUVIK	68 18 N	133 29 W	68	31	1010.3	1019.5	-23.4	+ 5.9	0.9	+0.3	5	14	- 6		100
CONTWOYTO LAKE	65 29 N	110 22 W	451			U									
NORMAN WELLS	65 17 N	126 48 W	73	31	1009.7	1019.5	-18.7	+10.0	1.4	+0.8	6	19	- 2	3	78
WHITEHORSE	60 43 N	135 04 W	703	31	929.5	1015.5	- 4.7	+14.2	3.7	+2.2	9	32	+ 13	5	112
CREE LAKE	57 21 N	107 08 W	499			U									
FORT NELSON	58 50 N	122 35 W	382	31	973.4	1022.3	-13.8	+ 9.4	1.9	+1.0	5	17	- 9	2	
FORT SMITH	60 01 N	111 58 W	203	31	996.6	1023.5	-20.6	+ 6.3	1.4	+0.7	5	22	+ 4	4	95
PRINCE GEORGE	53 53 N	122 40 W	691	31	941.8	1027.3	- 5.8	+ 6.0	3.8	+1.1	5	34	- 25	1	52
EDMONTON	53 34 N	113 31 W	671	31	941.0	1023.8	- 8.2	+ 6.5	2.8	+0.9	6	16	- 9	2	144
EDMONTON STONY PLAIN	53 33 N	114 06 W	766			U									
THE PAS	53 58 N	101 06 W	271	31	986.9	1022.4	-19.4	+ 3.0	1.3	+0.3	9	21	+ 2	4	89
WINNIPEG INT. AP	49 54 N	97 14 W	239	31	990.6	1021.6	-17.8	+ 0.5	1.6	+0.2	4	11	- 13	1	109
REGINA	50 26 N	104 40 W	577	31	951.7	1025.3	-16.1	+ 1.2	1.9	+0.3	3	11	- 7	2	102
VERNON	50 14 N	119 17 W	555			U									
LETHBRIDGE	49 38 N	112 48 W	929	31	912.8	1025.3	- 5.9	+ 3.5	3.0	+0.4	3	6	- 17	1	134
SANDSPIT	53 15 N	131 49 W	6	31	1017.8	1018.6	6.2	+ 4.3	8.8	+2.3	14	97	- 59	1	47
PORT HARDY	50 41 N	127 22 W	22	31	1020.8	1023.5	4.3	+ 1.9	7.3	+0.6	12	100	-109	1	
VANCOUVER INT. AP	49 11 N	123 10 W	2	31	1025.6	1025.9	1.5	- 0.9	6.5	-0.2	5	28	-119	1	115
CANADA-EASTERN															
ALERT	82 30 N	62 20 W	63	31	1013.2	1022.5	-30.5	+ 1.6	0.4	0.0	1	3	- 5	2	
EUREKA	80 00 N	85 56 W	10	31	1018.3	1019.8	-30.2	+ 6.4	0.4	+0.1	1	3	0	3	
RESOLUTE	74 43 N	94 59 W	67	31	1008.9	1018.2	-27.7	+ 4.9	0.5	+0.1	1	2	- 1	3	
CLYDE	70 27 N	68 33 W	6	31	1011.5	1015.0	-25.1	+ 1.8	0.6	0.0	1	5	- 6		
HALL BEACH	68 47 N	81 15 W	8	31	1013.4	1014.6	-27.2	+ 4.5	0.7	+0.2	0	T	- 9	1	
BAKER LAKE	64 18 N	96 00 W	13	31	1017.0	1019.6	-29.9	+ 3.7	0.4	+0.1	3	6	- 1	3	
CORAL HARBOUR	64 12 N	83 22 W	64	31	1004.3	1012.8	-24.0	+ 6.4	0.9	+0.3	1	3	- 6	2	
FROBISHER BAY	63 45 N	68 33 W	34	31	1003.7	1008.1	-17.9	+ 8.3	1.3	+0.4	2	20	- 4	3	154
CHURCHILL	58 45 N	94 04 W	29	31	1014.4	1018.2	-23.6	+ 4.0	0.7	+0.1	3	15	+ 1		69
INOUCDJOUAC	58 27 N	78 07 W	5	31	1008.1	1008.5	-21.8	+ 2.9	1.1	+0.2	3	9	- 1		160
FORT CHIMO	58 06 N	68 25 W	37	31	997.8	1002.7	-18.8	+ 4.6	1.7	+0.5	14	50	+ 18		
TROUT LAKE	53 50 N	89 52 W	220	31	988.8	1019.1	-22.6	+ 1.5	1.1	+0.2	7	21	- 5	3	
NITCHEQUON	53 12 N	70 54 W	536	31	937.7	1005.7	-23.8	- 0.9	1.0	-0.2	17	59	+ 23	5	
MOOSONEE	51 16 N	80 39 W	10	31	1011.5	1013.0	-20.7	- 0.5	1.2	-0.2	8	26	- 20	1	96
KAPUSKASING	49 25 N	82 28 W	227	31	984.5	1014.0	-18.5	- 0.3	1.5	-0.1	10	35	- 18	2	
GERALDTON	49 42 N	86 57 W	331			U									
SEPT-ILES	50 13 N	66 16 W	55	31	992.4	999.6	-15.2	- 1.3	1.2	-1.0	4	20	- 80	0	117
GOOSE	53 19 N	60 25 W	49	31	987.3	993.6	-15.7	+ 0.6	1.6	-0.3	17	134	+ 65	5	84
NORTH BAY	46 22 N	79 25 W	371	31	965.0	1011.7	-15.6	- 2.8	1.7	-0.6	9	37	- 35	1	92
MANIWAKI	46 23 N	75 58 W	170	31	988.7	1010.6	-16.1	- 2.7	1.6	-0.6	11	40	- 14		106
TORONTO/MALTON INT AP	43 41 N	79 38 W	173	31	990.3	1012.0	- 8.4	- 2.1	3.0	-0.4	11	77	+ 21	5	
MONTREAL/DORVAL INT AP	45 28 N	73 45 W	36	31	1005.7	1010.4	-13.0	- 3.1	1.8	-0.8	12	61	- 15	2	
BAGOTVILLE	48 20 N	71 00 W	159	31	988.0	1008.5	-18.3	- 2.6	1.3	-0.6	12	58	- 10	2	
CHATHAM	47 01 N	65 27 W	34	31	996.8	1001.1	-12.4	- 3.1	1.8	-1.1	6	27	- 70	1	133
STEPHENVILLE	48 32 N	58 33 W	26	31	990.8	994.1	- 7.0	- 2.2	3.1	-0.7	27	152	+ 43		
GANDER INT AP	48 57 N	59 34 W	151	31	973.4	992.1	- 7.9	- 1.8	2.8	-1.0	18	96	+ 2	3	115
SHEARWATER	44 38 N	63 30 W	51	31	995.0	1001.3	- 7.2	- 3.4	3.1	-1.1	7	81	- 66	1	138
SYDNEY	46 10 N	60 03 W	62	31	989.8	997.5	- 8.2	- 3.8	2.8	-1.4	8	103	- 34	2	157
SHELBURNE	43 43 N	65 15 W	30			U									
SABLE ISLAND	43 56 N	60 01 W	4	31	999.4	1000.0	- 1.9	- 1.8	4.5	-0.9	13	104	- 27	1	129
ARGENTIA VTMS NFLD	47 18 N	54 00 W	15	31	993.0	994.9	- 3.6	- 1.7	3.8	-0.9	13	83	- 35		
ST. JOHN'S (TORBAY)	47 37 N	52 45 W	141			U									
ST PIERRE AND MIQUELON															
ST PIERRE	46 46 N	56 10 W	5	31	994.9	995.5	- 3.8	- 2.0	4.0	-0.5	9	51	- 57	1	86
UNITED STATES-NORTHWEST															
QUILLAYUTE	47 57 N	124 33 W	62	31	1016.6	1024.4	3.8	- 0.1	7.3		5	31	-352	0	300
PORTLAND	45 36 N	122 36 W	12	31	1020.0	1025.8	2.3	- 1.5	5.3		0	2	-155	0	208
OLYMPIA	46 58 N	122 54 W	61	31	1017.6	1024.9	2.1	- 0.8	6.1		2	7	-209	0	
MEDFORD	42 22 N	122 52 W	405	31	975.6	1024.8	3.1	0.0	5.8		4	6	- 81	0	
SPOKANE	47 38 N	117 32 W	721	31	958.1	1029.5	- 5.9	- 2.4	3.9		1	10	- 53	0	85
GREAT FALLS	47 29 N	111 22 W	1115	31	893.0	1026.9	- 7.1	+ 0.3	3.1		3	9	- 17	1	104

SURFACE DATA

JANUARY 1985

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS 1 MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
NORTH AMERICA															
UNITED STATES-NORTHWEST															
SHERIDAN	44 46 N	106 58 W	1209	31	882.5	1026.5	- 9.3	- 2.4	2.5		6	21	+ 2	4	126
BISMARCK	46 46 N	100 45 W	506	31	960.1	1024.4	-14.3	- 0.2	2.1		2	7	- 6	2	85
RAPID CITY	44 03 N	103 04 W	966	31	904.7	1023.5	- 5.8	+ 0.4	2.7		3	12	+ 1	4	102
BOISE	43 34 N	116 13 W	871	31	929.8	1030.8	- 7.2	- 6.0			3	5	- 37	1	100
WINNEMUCCA	40 54 N	117 48 W	1322	31	873.5	1028.3	- 7.2	- 6.0	3.4		3	21	- 2	3	142
ELY	39 17 N	114 51 W	1909	31	811.4	1025.5	- 6.9	- 2.7	6.0		5	12	- 6	3	112
SALT LAKE CITY	40 46 N	111 58 W	1288	31	873.0	1027.1	- 4.3	- 2.4	3.6		6	23	- 11	2	81
GRAND JUNCTION	39 07 N	108 32 W	1475	31	863.2	1023.5	- 0.5	+ 3.1	3.7		3	13	- 3	3	118
DENVER	39 45 N	104 52 W	1625	31	838.8	1022.0	- 3.6	- 2.2	2.9		6	17	+ 4	4	85
NORTH PLATTE	41 08 N	100 41 W	849	31	920.6	1024.6	- 7.6	- 1.7	3.0		4	14	+ 4	2	87
UNITED STATES-NORTHEAST															
INTERNATIONAL FALLS	48 34 N	93 23 W	361	31	975.4	1019.4	-17.8	- 0.1	1.2		3	10	- 13	1	
DULUTH	46 50 N	92 11 W	432	31	974.3	1018.0	-14.2	+ 0.1	1.8		3	10	- 21	1	86
ST. CLOUD	45 35 N	94 11 W	318	31	980.6	1021.2	-13.7	+ 0.2				11	- 10		
SAULT STE. MARIE	46 28 N	84 22 W	221	31	989.4	1013.1	-11.2	- 0.8	2.2		19	6	+ 10	4	97
BURLINGTON	44 28 N	73 09 W	104	31	995.3	1010.9	-10.3	- 1.7	1.8		9	37	- 10	3	75
CARIBOU	46 52 N	68 01 W	146	31	980.0	1004.4	-14.4	- 2.5	1.5		5	25	- 35	1	
DES MOINES	41 32 N	93 39 W	294	31	988.9	1021.7	- 9.0	- 1.6	2.5		3	16	- 9	2	118
COLUMBIA	38 49 N	92 13 W	274	31	992.2	1021.9	- 6.7	- 4.2	3.3		6	29	- 11	3	96
CHICAGO O'HARE	41 59 N	87 54 W	205	31	992.2	1017.9	- 9.8	- 3.9			7	38	- 3	3	
ST. LOUIS	38 45 N	90 23 W	172	31	1000.0	1021.3	- 5.2	- 3.4	3.3		7	13	- 30	1	90
DAYTON	39 54 N	84 13 W	306	31	983.6	1017.6	- 7.0	- 4.0			8	40	- 26	2	90
COLUMBUS	40 00 N	82 53 W	254	31	986.5	1017.7	- 5.7	- 3.0	3.1		10	33	- 37	1	65
BUFFALO	42 56 N	78 44 W	215	31	983.4	1012.5	- 6.1	- 1.4	3.1		19	108	+ 32	5	61
NEW YORK LA GUARDIA	40 46 N	73 54 W	9	31	1000.3	1012.3	- 2.0	- 1.9	3.6		6	19	- 60	1	
BOSTON	42 22 N	71 02 W	9	31	1004.0	1008.9	- 4.2	- 2.9	3.1		8	28	- 73	1	85
BLUE HILL OBS	42 13 N	71 07 W	195	31			- 6.3	- 2.9	2.6		8	33	- 83	1	84
CHATHAM	41 40 N	69 58 W	16			U									
WASHINGTON DULLES	38 57 N	77 27 W	98			U									
WASHINGTON NATIONAL	38 51 N	77 02 W	20	31	1010.7	1015.0	- 0.7	- 2.5			8	54	- 17	2	94
UNITED STATES-SOUTHWEST															
SACRAMENTO	38 31 N	121 30 W	8	31	1020.1	1022.7	5.8	- 1.6				17	- 86		82
SAN FRANCISCO	37 37 N	122 23 W	5	31	1021.3	1022.0	8.0	- 1.2	8.6		3	19	- 99	1	
OAKLAND	37 44 N	122 12 W	3			U									
SANTA MARIA	34 54 N	120 27 W	73	31	1011.9	1020.4	10.0	- 0.4	7.9		6	19	- 43	2	
SAN DIEGO	32 44 N	117 10 W	9	31	1018.3	1019.3	13.9	+ 0.1	9.8		2	13	- 40	2	100
LAS VEGAS	36 05 N	115 10 W	664	31	955.0	1022.2	6.9	- 0.1	5.0		1	5	- 8	3	110
PHOENIX	33 26 N	112 01 W	337	31	979.3	1018.9	12.4	+ 1.1			6	24	+ 6	4	96
EL PASO	31 48 N	106 24 W	1194	31	899.0	1019.6	4.4	- 2.4	5.0		5	24	+ 14	5	88
ALBUQUERQUE	35 03 N	106 37 W	1620	31	850.0	1020.3	1.0	- 0.6	4.5		5	12	+ 2	4	85
WICHITA	37 39 N	97 25 W	408	31	973.7	1024.5	- 3.8	- 2.5	3.8		1	7	- 11	2	114
OKLAHOMA CITY/W ROGERS WORLD	35 24 N	97 36 W	397	31	978.9	1023.9	- 0.8	- 3.0			4	23	- 1	3	97
NORMAN	35 14 N	97 28 W	362			U									
ABILENE	32 26 N	99 41 W	534	31	960.2	1023.0	2.9	- 3.4	4.8		3	13	- 11	3	105
SAN ANTONIO	29 32 N	98 28 W	242	31	997.3	1022.5	6.8	- 3.4	6.8		8	68	+ 29	1	96
VICTORIA	28 51 N	96 55 W	36			U									
BROWNSVILLE	25 54 N	97 26 W	6	31	1018.9	1021.0	12.4	- 3.3	12.8		7	38	+ 6	4	100
UNITED STATES-SOUTHEAST															
WALLOPS ISLAND	37 51 N	75 29 W	15			U									
MONETT	36 53 N	93 54 W	407			U									
NORTH LITTLE ROCK	34 50 N	92 14 W	546	31			0.2	- 4.0	4.4		9	78	- 16	3	144
LONGVIEW	32 21 N	94 39 W	124			U									
NASHVILLE	36 07 N	86 41 W	184	31	1000.7	1021.2	- 2.3	- 5.1	4.4		10	77	- 37	2	98
ASHEVILLE	35 26 N	82 32 W	661	31	935.4	1016.8	- 0.8	- 3.5	4.4		7	75	- 13	3	100
ATLANTA	33 39 N	84 26 W	315	31	975.3	1018.4	2.4	- 3.1	4.8		11	104	- 20	2	127
WAYCROSS	31 15 N	82 24 W	46			U									
CAPE HATTERAS	35 16 N	75 33 W	3	31	1015.2	1015.7	5.0	- 2.3	13.5		7	93	- 27	2	93
CHARLESTON	32 54 N	80 02 W	15	31	1016.6	1018.5	5.9	- 2.9	6.5		4	22	- 62	1	118
NEW ORLEANS	29 59 N	90 15 W	9	31	1019.9	1021.6	7.3	- 4.0	7.8		10	123	- 4	4	
BOOTHVILLE	29 20 N	89 24 W	0			U									
JACKSONVILLE	30 30 N	81 42 W	9	31	1018.1	1019.5	9.0	- 2.8	8.2		4	27	- 51	2	114
APALACHICOLA	29 44 N	85 02 W	7			U									
WEST PALM BEACH	26 41 N	80 07 W	7			U									
MIAMI	25 48 N	80 16 W	4	31	1019.1	1019.9	16.7	- 2.8	12.7		3	9	- 44	1	
MEXICO-NORTHERN															
ISLA GUADALUPE, B.C.	29 10 N	118 19 W	6			U									
EMPALME	27 57 N	110 48 W	12			U									
MAZATLAN CARRASCO	23 11 N	105 25 W	3		1013.9	1013.9	19.5		17.6		5	136		6	145
MONTERREY	25 40 N	100 18 W	534		961.9	1021.9	11.0		8.9		8	35		6	110
MONTERREY AEROP. INTL	25 52 N	100 14 W	423			U									
TAMPICO	22 13 N	97 51 W	13		1016.1	1019.1	17.9		15.6		5	38		1	55
TORREON	25 32 N	103 27 W	1150		891.2	1017.5	12.1		7.9		3	17			
ZACATECAS	22 47 N	102 35 W	2612		748.3	1017.5			6.8		3	42		4	
GUADALAJARA	20 41 N	103 20 W	1551		847.7	1014.4	15.1		12.0		2	16			90
MEXICO-SOUTHERN															
MANZANILLO	19 03 N	104 20 W	6		1013.6	1014.0	24.3		23.3		1	3		3	
ACAPULCO	16 50 N	99 55 W	3		1013.2	1013.2	25.8		24.6		0	0			115

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
NORTH AMERICA															
MEXICO-SOUTHERN															
SALINA CRUZ	16 10 N	95 12 W	4		1014.6	1015.3	24.2		20.2		6	30			
TAPACHULA	14 55 N	92 16 W	168		997.1	1010.0	24.7		21.7		0	0		1	115
VERACRUZ, YLANG YLANG	19 09 N	96 07 W	13		1012.2	1013.5	20.5		19.3		0	0		1	110
COATZACOALCOS	18 09 N	94 25 W	14		1015.0	1019.0	21.7		21.5		9	126			
MERIDA AEROP. INTL.	20 57 N	89 40 W	11		1015.7	1016.7	22.2		19.4		3	10		2	130
CHETUMAL	18 30 N	88 18 W	4		1012.6	1013.6	23.8		20.3		1	37		3	
SOCORRO IS	18 14 N	111 03 W	35			U									
MORELIA	19 42 N	101 11 W	1923		814.2	1014.1	14.3		8.5		0	1		2	130
MEXICO CITY INT.AP, D.F.	19 26 N	99 04 W	2234			U									
MEXICO (CENTRAL) D.F.	19 26 N	99 08 W			774.7	1011.5	13.6		8.1		0	1		2	130
OAXACA	17 04 N	96 43 W	1563		847.6	1014.5	17.6		11.2		0	0		1	140
LAS CASAS	16 44 N	92 38 W	2128		793.5	1015.0	11.4		11.5		2	34		3	100
GUATEMALA															
LABOR OVALLE	14 51 N	91 30 W	2376	31	772.5	1019.4	9.6	- 1.1	8.5	-0.6	0	T	- 5	3	107
GUATEMALA/LA AURORA AP	14 35 N	90 31 W	1489	31	855.1	1016.6	15.9	- 0.7	13.7	-0.2	0	1	- 3	4	99
LA FRAGUA	14 58 N	89 32 W	425	31	989.6	1013.5	24.1	- 0.8	20.0	-1.3	1	2	- 1		103
HUEHUETENANGO	15 19 N	91 28 W	1901	31	820.7	1017.5	15.3	+ 0.8	11.2	+0.1	0	0	- 5		105
COBAN	15 29 N	90 19 W	1316	31	872.6	1017.2	14.5	- 0.5	14.9	-0.3	9	63	- 29		110
EL PORVENIR	16 31 N	90 29 W	125	31	1005.8	1020.2	22.4	+ 0.6	23.9	+0.7	5	35	- 34		
BELIZE															
BELIZE INTL. AIRPORT	17 32 N	88 18 W	5	31	1017.1	1017.6	23.1		23.0		7	62	- 65		64
COSTA RICA															
JUAN SANTAMARIA	09 59 N	84 13 W	939	31	910.9	1012.5	21.8	+ 0.1	14.7	-3.3	0	0	- 8	2	105
PUERTO LIMON	10 00 N	83 03 W	5	31	1013.8	1013.8	23.4	- 1.0	24.1	-2.6	14	93	-226	1	115
PUNTARENAS	09 58 N	84 50 W	3	31	1010.6	1010.6	26.0	- 1.4	24.0	-3.1	1	2	- 5	4	110
ADJACENT ISLANDS															
NASSAU INTL.AP BAHAMAS	25 03 N	77 28 W	7	31	1018.4	1019.2	19.2	- 1.6	16.8	-2.4	5	27	- 17	4	96
GRAND CAYMAN, B.W.I.	19 15 N	81 25 W	6			U									
SAN JUAN/INT., P.R.	18 26 N	66 00 W	19	31	1014.2	1017.1	24.5	- 0.2	21.3		9	71	- 5	2	115
JULIANA AP, ST. MAARTEN	18 03 N	63 07 W	12			U									
RAIZET, GUADELOUPE	16 16 N	61 31 W	8	31	1015.2	1016.1	24.0	+ 0.5	22.7	-0.7	12	42	- 50	1	101
LAMENTIN/MARTINIQUE	14 36 N	61 00 W	144	31	1014.5	1015.3	24.4	0.0	24.4	+0.1	18	101	- 10	3	102
GRANTLEY ADAMS AP,BARBADOS	13 04 N	59 29 W	56	31	1009.1	1015.0	24.8	- 0.6	23.3	-0.9	10	35	- 59		101
PIARCO INT. AP, TRINIDAD	10 37 N	61 21 W	15		1012.4	1014.0	24.4	- 0.1	23.8	+1.2	9	22	- 59	1	
DR.A. PLESMAN AP,CURACAO	12 12 N	68 58 W	17	31	1013.0	1013.9	25.8	- 0.4	25.7	-0.2	11	64	+ 8	4	103
SAN ANDRES,COLOMBIA	12 35 N	81 42 W	4	31	1014.1	1014.4	26.2		25.8		14	89			289
DOMINICAN REPUBLIC															
SANTO DOMINGO	18 28 N	69 53 W	14		1014.3	1017.3	24.4		22.3		5	45		3	
SOUTH AMERICA															
VENEZUELA															
MARACAIBO-LA CHINITA	10 34 N	71 44 W	65	31	1004.8	1012.4	25.9	- 0.6	23.5		5	4	- 1		104
LA CANADA(MARACAIBO)	10 31 N	71 39 W	26			U									
MARACAY-B.A. SUCRE	10 15 N	67 39 W	443	31	964.5	1013.7	23.7	+ 0.4	19.0		0	0	- 6		106
CARACAS/LA CARLOTA	10 30 N	66 53 W	835	31	920.6	1520 Y	20.2	+ 0.1	18.4		4	3	- 15		90
BARCELONA	10 07 N	64 41 W	7	31	1013.8	1014.6	23.0	- 2.4	18.4		1	12	+ 4		100
CIUDAD BOLIVAR	08 09 N	63 33 W	55	31	1005.6	1010.8	25.9	- 0.7	23.3		3	11	- 17		109
SAN ANTONIO DEL TACHIRA	07 51 N	72 27 W	405	31	970.3	1012.8	24.5	- 0.2	24.9		3	7	- 37		84
MERIDA	08 36 N	71 11 W	1498	31	853.1	1528 Y	17.3	- 0.5	15.0		2	7	- 40		102
SAN FERNANDO DE APURE	07 54 N	67 25 W	74	31	1007.2	1013.0	26.3	- 0.2	26.9		0	0	- 1		105
PUERTO AYACUCHO	05 36 N	67 30 W	101	31	1003.1	1011.6	28.2	+ 0.3	20.2		1	2	- 25		108
SURINAM															
ZANDERIJ	05 27 N	55 12 W	16			1012.2	25.2		26.3		12	44			
FRENCH GUIANA															
CAYENNE/ROCHAMBEAU	04 50 N	52 22 W	9	31	1011.1	1012.2	25.6	+ 0.4	27.3	-0.5	18	216	-207	1	96
COLOMBIA															
SANTA MARTA/SIMON BOLIVAR	11 07 N	74 14 W	4	31			26.0		23.7		0	0			294
CARTAGENA/CRESPO	10 27 N	75 31 W	2	31	1010.7	1010.9	25.3		26.4		0	0			291
BARRANQUILLA	10 53 N	74 46 W	14	31	1009.2	1010.8	25.6		25.7		0	0			296
QUIBDO	05 42 N	76 38 W	73	31			25.1		27.3		29	515			49
TUMACO/EL MIRA	01 38 N	78 46 W	16	31	1012.0	1012.0	24.6		27.7		18	206			61
CUCUTA/CAMILO DAZA	07 55 N	72 33 W	309	31			24.5		24.7		6	23			178
BARRANCABERMEJA/YARIGUIES	07 01 N	73 46 W	126	31			27.0		23.7		1	23			236
BUCARAMANGA/PALONEGRO	07 08 N	73 11 W	1190	31			20.5		19.1		6	145			182
PEREIRA	04 48 N	75 45 W	1349	31	865.6		20.7		19.5		14	159			160
MEDELLIN/OLAYA HERRERA	06 13 N	75 36 W	1498	31	850.7		21.4		15.7		5	38			182
BOGOTA/EL DORADO	04 42 N	74 08 W	2547	31	752.8		12.6		11.9		1	3			215
IPIALES/SAN LUIS	00 50 N	77 40 W	2962	31			11.1		10.9		14	117			258
CALI/PALMASECA	03 24 N	76 24 W	969	31	905.8		23.3		20.3		6	62			151
GIRARDOT/SANTIAGO VILA	04 17 N	74 48 W	286	31			29.5		23.0		1	2			237
VILLAVICENCIO/VANGUARDIA	04 09 N	73 34 W	431	31			26.3		21.4		1	1			152
GAVIOTAS/VICHADA	04 28 N	70 44 W	183	31			27.1		21.0		0	0			295
NEIVA/LA MANGUITA	02 58 N	75 18 W	439	31	954.3		28.4		23.6		3	7			209

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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		%
SOUTH AMERICA															
COLOMBIA															
LETICIA/VASQUEZ COBO	04 10 S	69 75 W	84	31			26.5		29.7		18	86			116
ECUADOR															
SAN CRISTOBAL/GALAPAGOS	00 54 S	89 36 W	6	31	1011.5		24.2	- 1.1	28.0	+1.6		1	- 93		
QUITO-BODEGA	00 10 S	78 29 W	2800	31	729.7		13.6	- 0.7	13.0	+0.4	18	86	+ 10		85
IZOBAMBA-SANTA CATALINA	00 22 S	78 33 W	3058	31	706.6		11.0	- 0.7	11.0	+0.1	19	126	+ 4	3	90
NUEVO ROCAFUERTE	00 55 S	75 24 W	215	31			27.1	+ 1.1	28.6	0.0		0	-143	2	100
PORT VIEJO-GRANJA	01 02 S	80 26 W	44	31	1006.4		25.0	- 0.6	23.4	-1.8		40	- 54	2	80
PICHILINGUE	01 06 S	79 28 W	73	31	1003.7		23.2	- 1.7	25.5	-1.7	29	270	-105	2	65
AMBATO-GRANJA	01 15 S	78 37 W	2680	31			15.1	+ 0.9	11.1	-0.3		13	- 11	2	
EL PUYO	01 30 S	77 57 W	950	31			21.6	+ 0.6	23.4	+1.8	23	257	- 40	2	
MILAGRO	02 07 S	79 36 W	13	31			24.2	- 1.6	25.2	-1.7	20	119	-101	1	95
GUAYAQUIL/SIMON BOLIVAR	02 09 S	79 53 W	4	31	1011.7		25.8		23.8	-2.0		88	-128	1	
CANAR	02 33 S	78 56 W	3120	31			9.4	- 1.8	10.7	0.0	14	12	- 26	1	100
LOJA/LA ARGELIA	04 02 S	79 12 W	2040	31			15.2	- 0.6	13.5	+0.3		54	- 43	1	95
BOLIVIA															
COBIJA	11 04 S	68 44 W	260			1006.7	26.4		21.5		12	118			
RIBERALTA	11 00 S	66 05 W	172			1011.1	28.0		22.2		10	134			
SAN JOAQUIN	13 04 S	64 48 W	200				27.7		21.8		11	316			
MAGDALENA	13 21 S	64 08 W	236			1006.4	28.9				5	30			
RURRENABAQUE	14 28 S	67 35 W	200			1000.3	27.7		21.0		16	334			
TRINIDAD	14 45 S	64 48 W	236			1010.5	27.9		21.4		13	358			
CONCEPCION	16 15 S	62 03 W	490			1009.4	25.1		19.2		14	138			
SAN IGNACID DE VELASCO	16 22 S	60 59 W	370			1006.6	26.6		19.9		13	223			
SANTA CRUZ	17 47 S	63 10 W	437			1007.2	27.7		18.8		8	204			
ROBORE	18 20 S	59 45 W	300			1007.0	28.5		20.6		10	214			
POTOSI	19 35 S	65 45 W	4002		633.0		10.0		5.2		11	68			
CAMIRI	20 06 S	63 33 W	792			1005	26.0		17.2		3	80			
TARIJA	21 32 S	64 47 W	1905		814		21.1		10.2		11	134			
YACUIBA	22 01 S	63 43 W	580			1004.0	26.3		17.8		8	335			
EL ALTO	16 30 S	68 11 W	4050		626.0		9.4		6.0		25	119			
ORURO	17 58 S	67 07 W	3706		652.0		12.7		6.1		11	192			
COCHABAMBA	17 23 S	66 10 W	2570		749.0		18.9		10.0		17	130			
SUCRE	19 03 S	65 10 W	2850		719.9		15.9		8.4		15	119			
PUERTO SUAREZ	18 57 S	57 52 W	154			1007.1	28.5		20.8		3	68			
BRAZIL-NORTHERN															
BOA VISTA	02 49 N	60 39 W	90	31			27.7	- 0.1	28.4	+1.6	21	7	- 58	2	
COARI	04 05 S	63 08 W	48	31	1002.2	1002.9	29.9	+ 5.7	30.3	+2.1	6	215	-101	1	
MANAUS	03 07 S	60 01 W	60	31	1002.3	1010.4	27.1	+ 1.2	29.1	-0.5	20	270	- 6	3	
MANAUS AERO PONTA PELADA	03 09 S	59 59 W	84			U									
BENJAMIN CONSTANT	04 22 S	70 02 W	80	31	1000.0	1003.0	26.3		31.5		12	104	-245	0	
CRUZEIRO DO SUL	07 38 S	72 36 W	170	31	998.5	1004.7	25.5	+ 1.1	27.5	+0.1	13				
VILHENA /AEROPORTO/	12 44 S	60 08 W	652			U									
RIO BRANCO	09 58 S	67 48 W	136	31			25.2		25.3		8	154		0	
SAO FELIX DO XINGU	06 38 S	51 59 W	150	31	990.1	1011.6	24.7		27.8		26	549			
BELEM	01 28 S	48 29 W	24	31	1009.5	1010.1	25.0	- 0.6	30.1	+1.1	26	544	+236	6	
BELEM/AERO VAL DE CAS	01 23 S	48 29 W	16			U									
SAO LUIZ	02 32 S	44 17 W	51	31	1005.2	1009.9	25.0		29.1		24	504		6	
FORTALEZA	03 43 S	38 33 W		31	1006.9	1010.0	26.6		28.7		21	194		5	
CEARA-MIRIM	05 39 S	35 25 W	64		1002.7	1010.0	26.4	- 0.8	27.6	+0.5	13	203	+160	6	
NATAL /AUGUSTO SEVERO/	05 55 S	35 15 W	49			U									
CONCEICAO DO ARAGUAIA	08 16 S	49 17 W	157	31			24.3	- 0.6	30.5	+3.3	25	484	+232	6	
CAROLINA	07 20 S	47 28 W	183	31	998.6	1012.7	24.8		27.5		25	416		4	
BARRA DO CORDA	05 30 S	45 16 W	82	31	991.5	1011.3	25.0	- 0.7	27.5	+0.1	25	416	+231	4	
FLORIANO	06 46 S	43 01 W	110	31	995.2	1011.1	25.5		27.8		22	430			
QUIXERAMOBIM	05 12 S	39 18 W	199	31	986.4	1009.1	26.9	- 2.1	24.8	+2.4	16	159	+116	6	
PORTO NACIONAL	10 42 S	48 25 W	238		984.0	1011.0	24.5	- 0.7	27.5	+0.9	27	414	+140	5	
BOM JESUS DA LAPA	13 16 S	43 25 W	440	31	960.4	1011.0	24.2		25.4		25	393			
PETROLINA	09 23 S	40 30 W	370		968.3	1009.6	25.1		25.1		19	316			
RECIFE /CURADO/	08 04 S	34 51 W	19	31	1009.9	1010.8	28.5		27.9	+0.8	9	67	+ 27	5	
ARACAJU	10 55 S	37 03 W	6	31	1008.9	1009.6	28.7	+ 2.2	27.8	+1.2	4	8	- 35	2	
SALVADOR (OLINDA)	13 00 S	38 31 W	51	31	1003.4	1009.4	27.1	+ 0.9	29.0	+2.1	8	119	+ 44	5	
BRAZIL SOUTHERN															
CUIABA	15 36 S	56 06 W	165	31	990.3	1007.5	26.1	- 0.4	28.8	+0.8	20	210	- 6	3	
PONTA PORA	22 32 S	55 44 W	650	31	933.2	1008.3	23.6	+ 0.2	22.3	-0.3	5	335	+146	3	
CAMPO GRANDE	20 28 S	54 40 W	567	31	949.0	1007.2	24.0	- 0.3	24.1	-0.5	13	132	- 97	1	
TRES LAGOAS	20 47 S	51 42 W	314	31	971.4	1006.3	26.0	+ 0.3	25.3	-0.5	8	120	-118	1	
GOIANIA	16 41 S	49 15 W	733	31	925.8	1007.2	22.9	+ 0.2	23.9	+1.6	23	437	+194	6	
MONTES CLAROS	16 44 S	43 52 W		31	937.9	1009.3	22.7		24.5		25	581		6	
BRASILIA/CRUZEIRO/	15 46 S	47 56 W	1161		883.2	1008.1	20.0		20.7		28	318			
BRASILIA/AEROPORTO/	15 52 S	47 56 W	1061			U									
ARAXA	19 34 S	46 58 W	950	31	896.8	1011.3	21.2	- 0.5	21.6	+1.1	25	568	+318	5	
BELO HORIZONTE	19 50 S	43 56 W	915	31	915.4	1009.0	21.9	- 0.8	22.6	+1.9	25	850	+582	6	
CARAVELAS	17 44 S	39 15 W	4		1009.5	1010.0	26.2	+ 0.7	23.5	-2.9	14	398	+273	6	
CORUMBA	19 01 S	57 40 W	140	31	990.3	1007.7	27.1	0.0	29.1	+0.9	11	165	- 5	3	
JUIZ DE FORA	21 46 S	43 21 W	683	31	907.8	1011.0	19.8		21.3		23	715		6	
RIO DE JANEIRO	22 54 S	43 10 W	26	31	1009.7	1010.1	25.1	- 0.8	26.4	+0.2	14	249	+113	5	
RIO DE JANEIRO/AERO GALEAO	22 49 S	43 15 W	6			U									
LONDRINA	23 23 S	51 11 W	566	31	944.2	1007.6	23.7		21.6		5	104			

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	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SOUTH AMERICA															
BRAZIL SOUTHERN															
SAO PAULO	23 30 S	46 37 W	795	31	921.1	1009.1	20.7	- 1.4	20.8	-0.6	17	187	- 61	2	
SAO PAULO(AEROPORTO)	23 37 S	46 39 W	803			U									
CURITIBA	25 26 S	49 14 W	949	31	909.4	1011.4	19.2	- 0.9	18.6	-0.6	5	45	-147	0	
CURITIBA/AERO AFONSO PENA	25 31 S	49 10 W	908			U									
FLORIANOPOLIS (AEROPORTO)	27 40 S	48 33 W	5	31	1011.3	1011.5	23.9		24.4		19	226		4	
ALEGRETE	29 47 S	55 47 W	103	31	994.9	1008.8			21.2	+0.3	5	100	- 45	2	
IGUAPE	24 43 S	47 33 W	4	31	1009.8	1010.3	23.9		25.1		19	142		1	
PORTO ALEGRE	30 05 S	51 11 W	7	31	1005.5	1011.1	23.8	- 1.0	21.2	-1.0	5	63	- 56	2	
PORTO ALEGRE/AERO S.FILHO	30 00 S	51 11 W	3			U									
SANTA VITORIA DO PALMAR	33 31 S	53 22 W	6	31	1008.7	1013.0	21.3	- 0.9	19.8	+0.2	9	203	+111	5	
CHILE															
ARICA/CHACALLUTA	18 22 S	70 21 W	35	31	1007.6	1015.0	21.7	- 0.8	17.9	-3.4	0	0	0	5	
ANTOFAGASTA/CERRO MORENO	23 28 S	70 26 W	122	31	1000.6	1014.5	19.9	0.0	16.3	-0.9	0	0	0	5	
ISLA DE PASCUA/MATAVERI	27 10 S	109 26 W	41	31	1015.2	1020.8	23.8	+ 0.7	21.8	-1.4	6	19	- 82	1	
JUAN FERNANDEZ	33 37 S	78 50 W	6	31	1014.1	1017.7	18.6	+ 0.1	15.4	-0.1	9	64	+ 41	5	
LA SERENA	29 54 S	71 15 W	32	31	998.4	1015.2	17.8	- 0.4	15.7	-0.4	0	T	0	5	
QUINTERO	32 47 S	71 32 W	2	31			17.6	+ 1.3			0	0	0	4	
PUNTA ANGELES	33 01 S	71 39 W	41	31	1010.0	1015.0	17.2	- 0.7	16.1	+1.3	0	1	- 1	4	
SANTIAGO/PUDAHUEL	33 26 S	70 50 W	480	31	958.7	1013.0	19.6	- 0.5	13.7	-0.2	0	0	- 2	4	
VALDIVIA/PICHOY	39 37 S	73.04 W	53	31	1012.5	1014.8	15.8	- 1.2	13.5	-0.6	8	106	+ 39	4	
PUERTO MONTT /EL TEPUAL	41 26 S	73 07 W	110	31	1006.1	1016.2	15.1	+ 0.2	13.0	-0.7	12	93	+ 4	3	
ISLA GUAFA	43 34 S	74 44 W	140	31	998.5	1015.1	13.1	+ 0.4	13.4	+0.9	11	75	- 18	3	
PUNTA ARENAS/CARLOS IBANEZ	53 02 S	70 51 W	33	31	996.6	1000.9	12.1	+ 0.4	8.6	-0.9	6	27	- 9	3	
PARAGUAY															
PUERTO CASADO	22 27 S	57 52 W	87	31	999.4	1009.2	27.8	- 1.1	29.1	-3.4	4	32	-109	0	
CONCEPCION /PISTA/	23 27 S	57 16 W	95	31	999.9	1009.9	27.5	- 0.6	24.3	-1.2	5	43	-107	1	
PTO STROESSNER/AERO	25 16 S	57 38 W	101	31	998.8	1009.3	27.5	- 2.4	23.0	-1.4	5	52	-114	1	
VILLARRICA	25 45 S	56 26 W	155	31	911.6	1010.0	26.3	- 1.1	23.5	-0.6	4	109	- 57	3	
PILAR	26 51 S	58 19 W	55	31	1004.3	1010.9	27.5	- 0.7	24.0	-0.7	6	73	- 70	2	
ENCARNACION	27 20 S	55 50 W	80	31	1001.0	1010.2	26.2	- 0.9	22.0	-1.2	5	53	- 81	1	
ARGENTINA-SOUTHERN															
COMANDANTE ESPORA B.N.	38 44 S	62 10 W	74			U									
RIO GALLEGOS E.N.	51 38 S	69 13 W	27			U									
URUGUAY															
SALTO	31 23 S	57 58 W	46	31	1006.1	1009.8	26.8	+ 0.6	17.7	-0.3	5	35	- 81	1	
MELO	32 25 S	54 20 W	93	31	998.9	1010.7	22.9	- 1.4	18.0	-1.5	8	109	+ 17	4	
PASO DE LOS TOROS	32 46 S	56.32 W	79	31	1001.8	1010.6	24.7	- 0.2	18.8	-0.5	7	99	- 14	3	
MERCEDES	33 15 S	58 04 W	22	31	1008.6	1010.7	25.8	- 0.2	1.8	-1.9	7	54	- 45	2	
TREINTA Y TRES	33 11 S	54 21 W	44	31	1005.8	1011.3	23.0	- 1.4	17.7	-0.4	8	35	- 64	3	
COLONIA	34 28 S	57 51 W	20	31	1008.2	1011.0	23.7	- 0.6	18.3	-2.0	8	45	- 58	2	
MONTEVIDEO/PRADO	34 52 S	56 12 W	22	31	1009.7	1011.7	22.4	- 0.1	18.2	+0.3	5	50	- 30	2	
PUNTA DEL ESTE	34 58 S	54 57 W	16	31	1010.2	1012.1	21.3	- 0.2	18.1	-1.0	7	117	+ 39	4	
ROCHA	34 30 S	54 20 W	22	31	1010.3	1012.5	20.4	- 1.7	18.7	-1.4	6	57	- 33	4	
ANTARCTICA															
BELLINGSHAUSEN	62 12 S	58 56 W	16		993.0	995.0	2.2		6.6		13	46			
RUSSKAYA	74 42 S	136 51 E	100		974.3	989.9	- 2.2		3.9		8	113			
CENT.MET.ANT.PDTE.ED.FREI	62 25 S	58 53 W	10	31	995.5	996.7	2.4		6.2		15	60			
B.A. ARTURO PRAT	62 30 S	59 41 W	5	31	994.7	995.3	2.2		6.5		7	35			
B.A. BERNARDO O'HIGGINS	63 19 S	57 54 W	10	26	994.3										
NOVOLAZAREVSKAJA	70 46 S	11 50 E	87		978.8	993.8	1.3				0	0			
MOLODEZNAJA	67 40 S	45 51 E	40		988.4	991.9	0.8		4.1		1	9			
MIRNYJ	66 33 S	93 01 E	30		986.7	993.4	- 1.0		4.1		8	20			
LENINGRADSKAJA	69 30 S	159 23 E	300		960.0	996.0	- 3.8		3.4		3	18			
VOSTOK	78 27 S	106 52 E	3420		637.4	1006.7	-30.2		0.4		0	T			
EUROPE															
GREENLAND															
NORD	81 36 N	16 40 W	36	31	1016.7	1021.8	-27.9	+ 0.8	0.5		5	10	- 4		
DANMARKSHAVN	76 46 N	18 46 W	12	31	1018.3	1020.0	-20.2	+ 1.8	0.8		3	6	- 15		
DANMARKSHAVN	76 46 N	18 46 W	14			U									
KAP TOBIN	70 25 N	21 58 W	22			U									
SCORESBYSUND	70 29 N	21 58 W	68	31	1012.1	1021.2	-12.2	+ 3.9	2.1		5	12	- 17		
EGEDESMINDE	68 42 N	52 45 W	47	31	1000.3	1006.4	- 7.9	+ 6.3	2.5		1	7	- 7		
EGEDESMINDE	68 42 N	52 45 W	27			U									
GODTHAB	64 10 N	51 45 W	50	31	998.0	1001.5	- 2.4	+ 5.4	3.5		8	19	- 27		
ANGMAGSSALIK	65 36 N	37 38 W	50	31	1011.1	1015.7	- 5.4	+ 2.1	3.4		11	88	+ 14		
ANGMAGSSALIK	65 36 N	37 38 W	50			U									
NARSSARSSUAQ	61 11 N	45 26 W	4			U									
PRINS CHRISTIAN SUND	60 02 N	43 07 W	76	31	993.0	1002.6	- 2.3	+ 2.1	4.7						
ICELAND															
REYKJAVIK	64 08 N	21 56 W	16	31	1007.2	1014.9	0.1	+ 0.5	5.1	+0.1	10	80	- 10	3	102
KEFLAVIK	63 58 N	22 36 W	54	31	1007.7	1014.5	0.6	+ 0.5	5.7	+0.5	11	126	+ 21		
AKUREYRI	65 41 N	18 05 W	27	31	1014.0	1017.5	- 2.4	- 0.8	4.2	-0.4	5	30	- 15	2	232
HOFN I HORNAFIRDI	64 15 N	15 11 W	11	31	1015.6	1017.1	- 0.6	- 0.6	5.1		10	53	- 94		128

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS 1 MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
UNITED KINGDOM															
LERWICK	60 08 N	01 11 W	82	31	1002.4	1012.6	2.1	- 1.0	5.8	-1.3	19	119	- 3	3	130
STORNOWAY	58 13 N	06 19 W	13	31	1012.1	1013.9	3.1	- 1.2	6.4	-1.1	14	80	- 27	1	148
TIREE	56 30 N	06 53 W	9	31	1012.4	1013.5	2.8	- 2.5	6.1	-1.6	11	66	- 51	1	180
ABERDEEN/DYCE	57 12 N	02 12 W	59	31	1004.9	1012.9	1.7	- 0.7	5.7	-0.7	12	82	+ 5	4	111
EDINBURGH/TURNHOUSE AP	55 57 N	03 21 W	35	31	1008.8	1013.4	0.9	- 1.5	5.5	-1.0	9	37	- 12		90
ESKDALEMUIR	55 19 N	03 12 W	242	31	984.1	1013.7	- 0.3	- 1.7	5.3	-0.8	16	78	- 97	1	136
LEEMING	54 18 N	01 32 W	32	31	1009.1	1013.2	0.8		5.8		14	61			
BELFAST/ALDERGROVE AP	54 39 N	06 13 W	68	31	1005.0	1013.6	0.9	- 2.6	6.0	-1.3	12	57	- 23	2	120
VALLEY	53 15 N	04 32 W	10	31	1012.1	1013.5	2.7	- 2.9	6.4	-1.7	12	57	- 42	1	122
AUGHTON	53 33 N	02 55 W	56			U									
MANCHESTER AIRPORT	53 21 N	02 16 W	75	31	1003.8	1013.3	1.2	- 2.1	5.8	-1.1	9	55	- 22	2	141
BIRMINGHAM AP	52 27 N	01 44 W	97	31	1001.1	1013.5	0.6	- 2.6	5.7	-1.2	16	40	- 21		113
WADDINGTON	53 10 N	00 31 W	68	31	1004.1	1013.0	0.6	- 2.4	5.8	-1.1	11	56	+ 2	4	80
LONDON/GATWICK AIRPORT	51 09 N	00 11 W	60	31	1006.0	1013.3	0.7		5.8		12	63			
CRAWLEY	51 05 N	00 13 W	144			U									
CARDIFF-WALES AP	51 24 N	03 21 W	67	31	1005.6	1013.6	1.5		6.1		14	56			
BOURNEMOUTH/HURN AP	50 47 N	01 50 W	11	31	1012.3	1013.6	0.7		6.1		11	81			
PLYMOUTH/MOUNT BATTEN	50 21 N	04 07 W	27	31	1010.3	1013.8	3.2	- 3.0	6.7	-1.7	14	117	+ 12	3	145
IRELAND															
MALIN HEAD	55 22 N	07 20 W	25	31	1010.5	1013.6	3.3	- 1.9	6.3	-1.2	16	106	+ 5		146
BELMULLET	54 14 N	10 00 W	10	31	1011.9	1013.2	2.6	- 3.2	6.6		12	84	- 45		180
DUBLIN AIRPORT	53 26 N	06 15 W	81	31	1002.8	1013.4	2.9	- 1.8	6.5	-0.7	14	67	- 3		84
SHANNON AIRPORT	52 41 N	08 55 W	7	31	1011.1	1013.6	2.4	- 2.7	6.5	-1.3	9	34	- 61		158
CORK AIRPORT	51 51 N	08 30 W	162	31	993.4	1013.6	2.9	- 2.3	6.9		11	102	- 36		
VALENTIA OBSERVATORY	51 56 N	10 15 W	14	31	1011.3	1013.0	4.8	- 2.2	7.6	-0.7	14	111	- 53	1	149
DENMARK AND FAROE IS															
THORSHAVN	62 01 N	06 46 W	24	31	1012.9	1015.9	2.1	- 1.8	6.0		13	82	- 67	1	
THORSHAVN	62 01 N	06 46 W	55			U									
ALBORG	57 06 N	09 52 E	3	31	1012.6	1013.0	- 6.3	- 5.8	3.5		10	32	- 12	2	
KOBENHAVN/JAEGERSBORG	55 46 N	12 32 E	40			U									
KOBENHAVN/LANDBOHOJSKOLEN	55 41 N	12 33 E	5	31	1011.5	1012.1	- 4.2	- 4.3	4.0		6	42	- 7	3	153
RONNE	55 04 N	14 45 E	16	31	1010.1	1012.1	- 3.4	- 3.7	4.1		13	116	+ 64	6	
NORWAY															
BJORNOYA	74 31 N	19 01 E	14	31	1009.3	1011.4	- 5.3	+ 0.4	3.3		5	13	- 17	1	
BJORNOYA	74 31 N	19 01 E	18			U									
JAN MAYEN	70 56 N	08 40 W	9	31	1015.6	1016.8	- 3.5	+ 0.5	4.1		10	23	- 40		
VARDO	70 22 N	31 06 E	15	31	1008.8	1010.5	- 7.4	- 3.1	3.1	-0.9	17	63	- 18	5	
SVALBARD LUFTHAVN	78 15 N	15 28 E	29	31	1010.6	1014.4	-12.7	- 0.3	1.6		5	23			
TROMSO/LANGNES	69 41 N	18 55 E	10	31	1010.2	1011.4	- 4.4	- 1.8	3.3	-0.7	17	126	- 47		
BODO	67 17 N	14 25 E	13	31	1011.2	1012.9	- 3.6	- 1.5	3.5	-0.8	10	54	- 36	2	174
BODO	67 15 N	14 24 E	8			U									
ORLAND	63 42 N	09 37 E	7	31	1011.4	1012.6	- 3.3	- 2.5	3.8	-1.0	15	71	- 21	3	
ORLAND	63 42 N	09 24 E	10			U									
BERGEN/FREDRIKSBERG	60 24 N	05 19 E	44	31	1006.3	1011.8	- 0.8	- 2.3	4.8	-0.9	14	72	-107	1	140
STAVANGER/SOLA	58 53 N	05 38 E	8	31	1011.2	1012.3	- 3.7	- 4.4	3.9	-1.7	8	26	- 62	1	
STAVANGER/SOLA	58 52 N	05 40 E	33			U									
OSLO/BLINDERN	59 56 N	10 44 E	96	31	1002.3	1014.7	- 8.6	- 3.9	2.6	-1.4	8	40	- 9	3	145
OSLO/GARDERMOEN	60 12 N	11 05 E	203	31	988.8	1014.8	-10.9	- 4.0	2.2	-1.3	11	56	- 3	3	
OSLO/GARDERMOEN	60 12 N	11 06 E	201			U									
SWEDEN															
KARESUANDO	68 27 N	22 30 E	327	31	973.0	1015.0	-20.9	- 7.1	1.3	-1.0	5	17	- 2	3	450
HAPARANDA	65 50 N	24 09 E	7	31	1015.4	1016.3	-20.2	- 9.6	1.4	-1.4	4	15	- 25	1	121
STENSELE	65 04 N	17 10 E	327	31	980.2	1016.4	-18.4	- 6.2	1.4	-1.1	5	14	- 16	1	
OSTERSUND/FROSON	63 11 N	14 30 E	366	31	969.7	1016.0	-13.7	- 5.8	2.1		11	45	+ 14	5	108
HARNOSAND	62 38 N	17 57 E	8	31	1014.5	1015.8	-13.1	- 6.9	2.2	-1.4	8	76	+ 14	4	112
SUNDSVALL-HARNOSAND	62 32 N	17 27 E	6			U									
STOCKHOLM/BROMMA	59 21 N	17 57 E	22			U									
KARLSTAD	59 22 N	13 28 E	55	31	1008.9	1014.9	- 9.5	- 5.0	2.6	-1.7	10	53	+ 13	4	108
JONKOPINGS AIRPORT	57 46 N	14 05 E	232	31	985.0	1013.5	- 8.0	- 4.3	3.3		10	33	- 16	2	94
GOTEBORG/SAVE	57 47 N	11 53 E	53	31	1007.0	1013.7	- 7.3	- 5.5	3.3	-1.9	9	48	- 6	3	131
GOTEBORG/LANDVETTER	57 40 N	12 18 E	155			U									
VISBY	57 40 N	18 21 E	47	31	1005.9	1012.4	- 4.1	- 3.5	3.6	-1.6	19	89	+ 36	5	39
FINLAND															
SODANKYLA	67 22 N	26 39 E	180	31	992.0	1016.8	-24.4	-10.9	1.1	-1.3	6	21	- 6	2	65
KAJAANI	64 17 N	27 41 E	136	31	997.5	1016.4	-24.4	-13.8	1.1	-1.8	6	20	- 14	1	80
JYVASKYLA/LUONETJARVI	62 24 N	25 40 E	145	31	995.4	1015.2	-20.4	-11.0	1.4	-2.1	8	26	- 14	1	120
VAASA	63 03 N	21 46 E	8	31	1013.8	1014.9	-17.3	-10.0	1.7	-2.2	8	21	- 8	2	100
JOKIOINEN	60 49 N	23 29 E	103	31	1000.5	1014.3	-16.5	- 9.3	1.8	-2.2	9	31	- 4	2	80
TURKU	60 31 N	22 16 E	54	31	1006.0	1013.8	-14.8	- 8.8	2.1	-2.2	8	35	- 8	3	75
HELSINKI/SEUTULA	60 19 N	24 58 E	58	31	1006.2	1013.7	-15.4	- 8.6	1.9	-2.1	5	20	- 27	1	85
FRANCE															
CHERBOURG-MAUPERTUS	49 39 N	01 28 W	138	31	996.1	1013.3	2.1		6.1		17	87			
BREST/GUIPAVAS	48 27 N	04 25 W	103	31	1000.6	1013.4	3.7	- 2.4	7.3	-1.2	20	147	+ 14	3	99
NANTES	47 10 N	01 37 W	27	31	1011.1	1014.6	1.5	- 3.5	6.2	-1.8	13	49	- 32	2	136
TRAPPES	48 46 N	02 01 E	168	31	992.8	1014.0	- 1.6	- 4.2	5.3	-1.7	11	36	- 21	2	106
PARIS/LE BOURGE	48 58 N	02 27 E	65	31	1005.9	1014.2	- 1.3	- 4.4	5.5	-1.5	10	31	- 23	2	118

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE: MEAN STATION	PRESSURE: MEAN SEA LEVEL	TEMPERATURE: MEAN	TEMPERATURE: DEPARTURE	VAPOR PRESSURE: MEAN	VAPOR PRESSURE: DEPARTURE	PRECIPITATION: NO. OF DAYS 1 MM.	PRECIPITATION: TOTAL	PRECIPITATION: DEPARTURE	PRECIPITATION: QUINTILE	SUN-SHINE: PERCENTAGE OF LONG-TERM AVERAGE
	° '	° '	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
FRANCE															
NANCY/ESSEY	48 41 N	06 13 E	217	31	987.3	1014.8	- 3.8	- 4.6	4.3	-1.7	15	45	- 22	2	100
STRASBOURG/ENTZHEIM	48 33 N	07 38 E	154	31	995.4	1015.0	- 4.0	- 4.4	4.3	-1.5	11	33	- 6	3	110
DIJON	47 16 N	05 05 E	227	31	986.3	1015.1	- 4.3	- 5.6	4.5	-1.6	9	43	- 21	2	70
BOURGES	47 04 N	02 22 E	166	31	994.1	1015.1	- 2.0	- 5.0	5.2	-1.6	14	41	- 17	2	72
LIMOGES/BELLEGARDE	45 52 N	01 11 E	396	31	965.8	1015.7	- 2.2	- 5.3	5.2	-1.5	15	87	- 2	3	89
LYON/BRON	45 43 N	04 57 E	201	31	989.9	1015.3	- 2.5	- 4.6	4.9	-1.4	11	39	- 13	2	76
LYON/SATOLAS	45 44 N	05 05 E	240			U									
BORDEAUX/MERIGNAC	44 50 N	00 42 W	51	31	1007.8	1015.5	0.9	- 4.3	6.2	-1.9	9	70	- 20	2	115
TOULOUSE/BLAGNAC	43 38 N	01 22 E	153	31	997.1	1016.3	- 0.2	- 4.7	6.1	-1.4	8	43	- 6	3	106
PERPIGNAN	42 44 N	02 52 E	48	31	1007.4	1013.4	3.8	- 3.7	5.1	-2.4	0	2	- 37	1	90
NIMES/COURBESSAC	43 52 N	04 24 E	62	31	1005.3	1013.1	1.7	- 4.0	5.1	-1.5	5	14	- 35	2	109
MARSEILLE/MARIGNANE	43 27 N	05 13 E	8	31	1007.4	1011.9	2.0	- 3.5	5.7	-1.5	7	23	- 20	2	115
NICE/COTE DAZUR	43 39 N	07 12 E	10	31	1008.8	1010.1	4.5	- 3.0	5.9	-1.8	12	131	+ 63	5	91
AJACCIO/CAMPO DEL ORO	41 55 N	08 48 E	9	31	1009.0	1009.7	5.9	- 1.8	7.1	-1.6	12	107	+ 31	4	76
BELGIUM															
UCCLE	50 48 N	04 21 E	104	31	1000.0	1012.8	- 2.8		4.8		14	71		3	76
NETHERLANDS															
DE BILT	52 06 N	05 11 E	4	31	1011.8	1012.3	- 3.1	- 4.8	4.9	-1.4	12	40	- 29	1	86
LUXEMBOURG															
LUXEMBOURG AP	49 37 N	06 13 E	378	31	966.7	1014.1	- 4.8	- 4.7	4.4	-1.3	15	49	- 19	2	100
SWITZERLAND															
SANTIS	47 15 N	09 21 E	2500	31	736.4	2887 Z	-12.7	- 3.7	2.1	-0.2	15	166	- 36	2	78
ZURICH/TOWN/VILLE/	47 23 N	08 34 E	569	31	945.2	1015.8	- 5.1	- 4.0	3.9	-0.6	13	78	+ 4	5	69
GENEVE/COINTRIN	46 15 N	06 07 E	430	31	963.6	1015.3	- 3.4	- 3.9	4.1	-1.7	9	102	+ 28	5	64
PAYERNE/ STN. AEROLOGICAL	46 49 N	06 57 E	491			U									
LUGANO	46 00 N	08 58 E	276	31	978.4	1012.6	9.1	- 1.8	4.4	-0.4	8	160	+ 98	5	84
FEDERAL REP OF GERMANY															
SCHLESWIG	54 32 N	09 33 E	48	31	1006.3	1012.4	- 4.6	- 4.6	4.1	-1.6	13	61	- 8	2	123
HAMBURG/FUHLSBUTTEL	53 38 N	09 59 E	16	31	1010.7	1012.8	- 4.8	- 4.8	4.1	-1.6	8	34	- 23	1	92
EMDEN-HAFEN	53 20 N	07 12 E	12	31	1010.5	1012.0	- 3.4	- 4.3	4.2	-1.9	12	53	- 9	3	89
HANNOVER	52 28 N	09 42 E	54	31	1005.9	1012.8	- 5.0	- 5.1	4.0	-1.7	12	54	+ 6	4	83
BERLIN/TEMPELHOF	52 28 N	13 24 E	49	31	1006.1	1012.4	- 5.0	- 4.4	3.9	-1.0	9	31	- 10	3	80
KASSEL	51 19 N	09 29 E	163	31	983.2	1012.7	- 5.1	- 4.8	3.9	-1.5	10	34	- 15	2	97
ESSEN	51 24 N	06 58 E	161	31	992.0	1012.4	- 3.5	- 5.0	4.5	-1.6	15	69	- 14	3	84
GEISENHEIM	49 59 N	07 58 E	120	31	997.8	1013.0	- 3.3	- 4.0	4.2	-1.4	11	30	- 13	2	122
NURNBERG	49 30 N	11 05 E	312	31	974.8	1014.3	- 6.1	- 4.7	3.8	-1.3	13	59	- 16	5	110
STUTTGART/CANNSTATT	48 50 N	09 12 E	315	31	975.1	1014.2	- 4.4	- 4.4	4.1	-1.1	12	39	- 8	3	
MUNCHEN/RIEM	48 09 N	11 43 E	529	31	948.5	1014.6	- 6.9	- 4.5	3.7	-1.0	14	86	- 27	5	90
MUNCHEN/OBERSCHLEISSHEIM	48 15 N	11 33 E				U									
KONSTANZ	47 41 N	09 11 E	447	31	950.7	1014.4	- 4.8	- 3.8	4.1	-1.2	13	62	- 11	4	80
ZUGSPITZE	47 25 N	10 59 E	2962	31	692.7	2882 Z	-16.0	- 4.4	1.7	-0.3	17	150	- 15		77
GERMAN DEMOCRATIC REP															
WARNEMUNDE	54 11 N	12 05 E	10	31	1011.0	1012.3	- 4.2	- 4.1	4.2	-1.5	15	48	+ 4	3	81
GREIFSWALD	54 06 N	13 23 E	5	31	1011.4	1012.2	- 5.6	- 4.6	3.7	-1.8	16	63	+ 23	5	79
POTSDAM	52 23 N	13 04 E	94	31	999.9	1012.7	- 5.3	- 4.2	3.9	-1.3	14	36	- 8	3	71
LINDENBERG	52 13 N	14 07 E	100	31	998.5	1012.9	- 6.4	- 4.9	3.7	-1.4	12	28	- 13	2	63
LEIPZIG-SCHKEUDITZ	51 25 N	12 14 E	133	31	996.1	1013.2	- 5.3	- 4.5	3.9	-1.3	12	30	- 7	3	48
WAHNSDORF	51 07 N	13 41 E	232			U									
DRESDEN-KLOTZSCHE	51 08 N	13 46 E	226	31	984.6	1013.5	- 5.1	- 3.9	3.7	-1.2	12	40	+ 2		60
GORLITZ	51 10 N	14 57 E	238	31	983.3	1013.7	- 6.5	- 4.5	3.4	-1.5	9	34	- 13	2	70
ERFURT-BINDERSLEBEN	50 59 N	10 58 E	323	31	972.8	1013.9	- 6.4	- 4.8	3.6	-1.5	3	19	- 14	1	98
MEININGEN	50 33 N	10 22 E	456	31	957.1	1014.1	- 7.1	- 4.7	3.2	-1.6	14	52	- 3		
FICHTELBERG	50 26 N	12 57 E	1215	31	867.6	1386 Y	- 9.8	- 4.1	3.0	-0.7	18	47	- 47	1	61
AUSTRIA															
ST. POLTEN	48 12 N	15 38 E	282	31	980.7	1015.3	- 6.8	- 4.6	2.8	-1.5	9	28	- 4	3	111
WIEN/HOHE-WARTE	48 15 N	16 22 E	212	31	989.6	1015.0	- 5.3	- 3.9	3.2	-1.1	8	40	0	4	89
SALZBURG-FLUGHAFEN	47 48 N	13 00 E	450	31	962.0	1015.1	- 6.4	- 3.9	3.3	-0.8	11	62	- 11	3	69
INNSBRUCK-FLUGHAFEN	47 16 N	11 21 E	598	31	944.1	1015.2	- 6.4	- 3.6	3.4	-0.6	4	25	- 32	1	78
KLAGENFURT-FLUGHAFEN	46 39 N	14 21 E	452	31	960.9	1016.2	- 7.8	- 2.5	3.0	-0.6	5	48	+ 9	4	61
GRAZ-THALERHOF-FLUGHAFEN	47 00 N	15 27 E	347	31	973.5	1015.8	- 7.6	- 3.8	3.2	-0.7	44	30	- 1	3	107
SONNBLICK	47 03 N	12 57 E	3107	31	680.5	2880 Z	-17.2	- 4.0	1.3	-0.4	16	98	- 23	3	85
CZECHOSLOVAKIA															
CHEB	50 05 N	12 24 E	471	31	954.8	1014.2	- 6.8	- 3.8	3.5	-1.1	12	27	+ 11	2	95
PRAHA/RUZYNE	50 06 N	14 17 E	381	31	967.6	1014.6	- 7.7	- 5.1	3.3	-1.3	8	23	0	3	87
LIBUS	50 00 N	14 27 E	305	31	975.9	1014.4	- 6.5		3.4		8	27	0		
BRNO/TURANY	49 09 N	16 42 E	246	31	984.2	1015.9	- 8.0	- 5.3	3.1	-1.4	9	29	+ 3	4	116
OSTRAVA/MOSNOV	49 47 N	18 62 E	256	31	982.2	1015.4	- 8.6	- 5.7	3.0	-1.4	8	28	- 2	3	58
SLIAC	48 38 N	19 09 E	318	31	975.6	1016.6	- 9.4	- 4.7	2.9	-1.1	7	18	- 27	1	92
POPRAD/TATRY	49 04 N	20 15 E	709	31	927.8		- 8.7	- 2.9	2.7	-0.8	1	11	- 17	1	115
POPRAD/GANOVCE	49 02 N	20 19 E	706			U									
HUNGARY															
MISKOLC	48 08 N	20 48 E	120	31	1000.3	1016.3	- 7.7	- 4.1	3.4	-1.1	3	15	- 17	2	
BUDAPEST/METEOROLOGIA	47 31 N	19 02 E	130	31	990.0	1015.0	- 3.3	- 2.0	3.9	-0.9	4	12	- 30	1	78

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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															
HUNGARY															
BUDAPEST/LORINC	47 26 N	19 11 E	140	31	997.6	1015.5	- 5.2	- 2.9	3.6	-1.2	5	15	- 26	1	113
DEBRECEN	47 29 N	21 38 E	114	31	1001.1	1016.4	- 6.6	- 3.8	3.5	-1.0	11	33	0	3	112
PECS	46 00 N	18 14 E	202	31	989.7	1015.8	- 5.5	- 3.7	3.8	-1.1	7	21	- 21	1	84
SZEGED	46 15 N	20 06 E	84	31	1005.5	1016.3	- 7.3	- 5.1	3.4	-1.7	4	18	- 17	1	84
POLAND															
SZCZECIN-DABIE	53 24 N	14 37 E	7	31	1011.9	1012.3	- 6.4	- 6.0	3.6	-1.7	10	35	+ 2		
KOSZALIN	54 12 N	16 11 E	34			U									
GDANSK-SWIBNO	54 20 N	18 56 E	9	31	1011.4	1012.5	- 8.4	- 7.3	3.2	-1.8	12	32	+ 1		
POZNAN-LAWICA	52 25 N	16 50 E	92	31	1002.2	1013.0	- 7.4	- 5.7	3.4	-1.5	7	15	- 14		99
LEGIONOWO	52 24 N	20 58 E	104			U									
WARSZAWA-OKECIE	52 09 N	20 59 E	107	31	1001.0	1014.9	- 8.3	- 5.9	3.2	-1.5	7	13	- 12		125
BIALYSTOK	53 06 N	23 10 E	151	31	995.1	1014.9	-10.7	- 7.2	2.8	-1.6	7	18	- 15		66
WROCLAW II-STRACHOWICE	51 06 N	16 53 E	124	31	998.5	1014.2	- 7.9	- 6.6	3.4	-1.4	6	21	- 3		33
WROCLAW I-MALY GADOW	51 08 N	16 59 E	119			U									
KRAKOW/BALICE	50 05 N	19 48 E	237	31	984.8	1015.5	- 9.1	- 6.5	2.9	-1.6	5	22	- 11		103
PRZEMYSL	49 48 N	22 46 E	280	31	980.3	1016.5	- 8.6	- 6.3	3.1	-1.2	6	16	- 18		
GIBRALTAR															
NORTH FRONT	36 09 N	05 21 W	3	31	1016.1	1016.5	12.3	- 0.5	10.5	-0.7	11	108	- 46	3	89
PORTUGAL															
LAJES /ACORES/	38 45 N	27 05 W	54			U									
HORTA/ACORES	38 51 N	28 38	62	31	1005.7	1013.1	14.4	0.0	13.6	+0.3	19	132	+ 7	3	
PONTA DELGADA/ACORES	37 45 N	25 40 W	36	31	1010.3	1014.7	14.4	0.0	13.5	+0.2	17	143	+ 23	4	
SANTA MARIA /ACORES/	36 58 N	25 10 W	100	31	1003.7	1015.8	14.8	+ 0.3	12.5	-1.0	17	177	+ 60		
PORTO/SERRA DO PILAR	41 08 N	08 36 W	100	31	1002.6	1014.8	8.1	- 0.9	8.5	-0.6	13	203	+ 44	4	102
LISBOA	38 43 N	09 09 W	95	31	1004.6	1016.2	9.8	- 1.0	9.9	-0.5	12	228	+117	5	97
LISBOA/GAGO CONTINHO	38 46 N	09 08 W	104			U									
CAPE VERDE															
SAL	16 44 N	22 57 W	55		1009.3	1015.8	20.6		16.6		0	0			115
MADEIRA															
FUNCHAL	38 38 N	16 54 W	56	31	1009.9	1016.5	15.6	- 0.2	12.8	-0.1	14	232	+148	5	
SPAIN															
LA CORUNA	43 22 N	08 25 W	67	31	1005.9	1014.1	8.6	- 1.3	8.5	-1.5	17	125	+ 4	4	105
VALLADOLID	41 39 N	04 43 W	715	31	933.7	1016.5	2.1	- 1.7	6.3	-0.4	13	41	+ 5	4	70
ZARAGOZA	41 39 N	00 53 W	233	31	987.8	1015.1	4.2	- 1.9	6.1	-1.1	15	19	+ 3	4	
MADRID/BARAJAS	40 28 N	03 34 W	606			U									
MADRID/RETIRO	40 24 N	03 41 W	657	31	938.3	1017.9	3.6	- 1.3	6.3	-0.9	11	68	+ 30	4	85
BADAJOZ	38 53 N	06 58 W	195	31	994.5	1018.4	7.2	- 1.4	8.9	-0.4	10	108	+ 47	5	90
SEVILLA/TABLADA	37 22 N	06 00 W	13	31	1015.5	1017.2	9.6	- 0.7	9.3	-1.1	11	170	+ 97	5	105
ALICANTE	38 22 N	00 30 W	82	31	1005.2	1015.2	9.7	- 1.3	7.7	-1.1	11	1	- 17	3	100
BARCELONA	41 24 N	02 09 E	95	31	991.1	1012.8	6.0	- 3.5	6.3	-2.1	3	14	- 16	3	
PALMA DE MALLORCA	39 34 N	02 39 E	17	31	1013.4	1014.1	9.4	- 0.7	8.5	-1.6	5	22	- 17	2	95
PALMA/SON BONET	39 36 N	02 42 E	45			U									
MAHON, MENORCA/SAN LUIS	39 52 N	04 16 E	59	31	1003.3	1013.5	7.6	- 2.7	8.9	-1.1	12	107	+ 47	5	80
ITALY															
UDINE/CAMPOFORMIDO	46 02 N	13 11 E	94			U									
MILANO/LINATE	45 26 N	09 17 E	103	31	1000	1013	- 2.6	- 2.0	4.7	-1.0	9	129	+ 77	5	110
VERONA/VILLAFRANCA	45 23 N	10 52 E	68	31	1004	1013	- 1.8	- 0.9	5.1	-0.7	12	175	+138	6	
UDINE RIVOLTO	45 59 N	13 02 E	53	31	1006	1013	- 0.9		4.7		8	109			
PISA/S. GIUSTO	43 40 N	10 23 E	1	31	1010	1010	3.0	- 3.8	6.2	-1.6	16	80	- 3	3	83
ROMA/FIUMICINO	41 48 N	12 14 E	3	31	1009	1009	5.6	- 2.6	7.1	-1.3	15	125	+ 42	4	
NAPOLI/CAPODICHINO	40 51 N	14 18 E	72	31	1002	1011	6.3	- 2.2	8.4	0.0	16	173	+ 51	5	76
TRIESTE	45 39 N	13 45 E	20	31	1009	1011	1.9	- 2.9	4.9	-1.1	8	94	+ 28	4	77
VENEZIA/TESSERA	45 30 N	12 20 E	6	31	1011	1013	- 1.0	- 1.2	4.8	-0.8	11	56	+ 6	4	83
FALCONARA	43 37 N	13 22 E	10	31	1009	1011	2.4		6.2		11	71			
PESCARA	42 26 N	14 12 E	16	31	1009	1010	4.4	- 1.5	6.3	-1.3	3	22	- 47	1	81
MARINA DI GINOSA	40 26 N	16 53 E	12	31	1011	1013	7.3	- 1.7	8.9	-0.1	3	20	- 23	1	
BRINDISI	40 39 N	17 57 E	10	31	1009	1010	8.2	- 1.1	8.6	-0.6	12	82	+ 3	4	74
ALGHERO	40 38 N	08 17 E	40	31	1009	1011	7.8	- 2.8	8.3	-1.3	14	89	+ 29	4	63
CAGLIARI/ELMAS	39 15 N	09 03 E	18	31	1011	1011	7.5	- 1.8	8.9	-0.7	12	72	+ 17	4	85
TRAPANI/BIRGI	37 55 N	12 30 E	14	31	1011	1012	11.0	+ 0.9	11.3	+1.3	18	124	+ 53	5	76
CATANIA/FONTANAROSSA	37 28 N	15 03 E	17	31	1009	1011	10.7	+ 0.6	10.3	+0.2	11	258	+158	5	
MESSINA	38 12 N	15 33 E	51	31	1003	1011	10.9	- 0.3	10.2	-0.6	19	252	+106	5	78
MALTA															
LUQA	35 51 N	14 29 E	72	31	1003.5	1012.2	12.2	- 0.1			17	173	+ 81	6	81
GRENDI	35 50 N	14 26 E	136			U									
YUGOSLAVIA															
ZAGREB/GRIC	45 49 N	15 59 E	163	31	995.2	1015.7	- 3.7	- 3.9	3.6		6	40	- 16	2	89
ZAGREB/MAKSIMIR	45 49 N	16 02 E	128			U									
BEOGRAD	44 48 N	20 28 E	132	31	998.6	1015.4	- 3.4	- 3.2	3.8		9	54	+ 6	4	103
BEOGRAD/ZELENO BRDO	44 47 N	20 32 E	243			U									
SARAJEVO	43 52 N	18 26 E	637	31	937.3	1016.0	- 4.4	- 3.0	3.7		9	85	+ 18	5	72
SPLIT/MARJAN	43 31 N	16 26 E	128	31	995.1	1010.9	5.1	- 2.1	4.9		12	48	+ 28		
TITOGRAD/GOLUBOVCI	42 22 N	19 15 E	33	31	1005.3	1011.9	3.0	- 2.2	6.2		15	209	+ 41		64

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE: MEAN STATION	PRESSURE: MEAN SEA LEVEL	TEMPERATURE: MEAN	TEMPERATURE: DEPARTURE	VAPOR PRESSURE: MEAN	VAPOR PRESSURE: DEPARTURE	PRECIPITATION: NO. OF DAYS ≥ MM.	PRECIPITATION: TOTAL	PRECIPITATION: DEPARTURE	PRECIPITATION: QUINTILE	SUN-SHINE: PERCENTAGE OF LONG-TERM AVERAGE
	° '	° '	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
YUGOSLAVIA															
SKOPJE-PETROVAC	41 57 N	21 38 E	233	31	985.7	1016.1	- 4.8	- 4.7	3.9		10	73	+ 34	5	
GREECE															
ATHENS/HELLINIKON	37 54 N	23 44 E	15			U									
ROMANIA															
CLUJ	46 47 N	23 34 E	415	31	964.5	1016.8	- 8.7	- 3.8	3.1	+1.0	8	25	- 4		146
BISTRITA	47 09 N	24 31 E	366	31	970.9	1018.0	- 9.8	- 5.5	2.8	+1.3	11	43	- 7	4	
IASI	47 10 N	27 36 E	103	31	1004.0	1017.5	- 9.2	- 5.1	3.0	+1.3	11	39	- 7	4	93
TIMISOARA	45 46 N	21 15 E	91	31	1005.3	1016.6	- 5.8	- 4.2	3.6	+1.1	9	38	+ 8	2	146
SIBIU	45 48 N	24 09 E	452	31	961.2	1017.5	- 7.9	- 4.1	3.3	+1.1	6	22	+ 7	2	99
BUCURESTI/IMH	44 30 N	26 08 E	95			U									
BUCURESTI/FILARET	44 25 N	26 06 E	82	31	1006.5	1017.3	- 5.8	- 3.1	3.5	+1.2	13	52	- 9	4	
SULINA	45 09 N	29 40 E	9	31	1014.7	1015.9	- 2.2	- 1.4	4.5	+0.7	3	26	+ 4	4	84
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	31	1016.8	1016.8	8.0	+ 1.1	7.3	+0.1	10	127	-133	1	85
SAMSUN	41 17 N	36 20 E	44	31	1015.6	1016.0	8.7	+ 1.8	7.7	+0.9	6	48	- 33	1	45
EDIRNE	41 40 N	26 34 E	48	31	1008.7	1014.6	2.6	+ 0.6	6.6	+0.3	12	63	- 3	3	45
ISTANBUL/GOZTEPE	40 58 N	29 05 E	40	31	1009.9	1014.7	7.0	+ 1.5	7.9	+0.4	16	188	+ 99	6	60
BURSA	40 11 N	29 04 E	100	31	1002.1	1014.2	8.6	+ 3.2	7.2	+0.4	11	105	+ 7	4	120
CANAKKALE	40 08 N	26 24 E	3	31	1013.0	1013.3	7.8	+ 1.9	9.1	+1.6	18	137	+ 26		125
IZMIR	38 26 N	27 10 E	25	31	1009.4	1012.4	10.7	+ 2.1	9.7	+1.4	14	146	+ 5	4	165
ANTALYA	36 42 N	30 44 E	50	31	1008.3	1013.4	11.3	+ 1.3	10.1	+1.3	16	482	+227	5	41
ADANA INCIRLIK	37 00 N	35 25 E	66	31	1013.9	1016.3	11.2	+ 2.1	9.1	+1.4	11	178	+ 67	5	120
KASTAMONU	41 22 N	33 46 E	799	31	921.4	1017.0	- 0.4	+ 0.9	5.2	+0.7	10	61	+ 34	5	105
ANKARA/CENTRAL	39 57 N	32 53 E	894	31	911.1	1016.7	2.5	+ 2.7	5.8	+0.7	8	63	+ 26	5	100
SIVAS	39 45 N	37 01 E	1285	31	870.6	1020.5	- 1.2	+ 3.0	4.6	+0.7	11	68	+ 23	5	115
ERZINCAN	39 44 N	39 30 E	1215	31	879.1	1021.7	- 0.9	+ 2.5	4.5	+0.7	4	35	+ 4	4	110
ERZURUM	39 55 N	41 16 E	1869	31	809.8	1023.5	- 6.1	+ 2.5	3.2	+0.5	7	20	- 20	2	105
MUGLA	37 12 N	28 21 E	646	31	938.2	1014.6	7.2	+ 1.9	8.5	+1.2	18	394	+118	5	150
AFYON	38 45 N	30 32 E	1034	31	895.4	1015.4	3.5	+ 3.2	6.2	+1.0	9	68	+ 18	4	110
ISPARTA	37 45 N	30 33 E	997	31	899.6	1015.2	4.6	+ 2.9	6.3	+0.7	12	97	- 5	4	130
KONYA	37 58 N	32 33 E	1022	31	896.2	1015.8	3.8	+ 4.0	6.1	+1.0	5	36	- 5	3	125
URFA	37 08 N	38 46 E	547	31	954.1	1019.3	6.9	+ 1.6	7.8	+1.3	12	106	0		135
MALATYA/ERHAC	38 26 N	38 05 E	849	31	904.9	1022.7	1.5	+ 2.7	5.8	+1.1	7	10	- 34	1	115
DIYARBAKIR	37 53 N	40 11 E	677	31	939.8	1018.6	4.3	+ 2.8	6.7	+1.1	13	66	- 13	2	160
VAN	38 27 N	43 19 E	1661	31	826.2	1021.4	- 2.2	+ 1.2	3.9	+0.3	8	49	+ 4		165
USSR															
MURMANSK	68 58 N	33 03 E	46		1007.1	1014.0	-19.5		1.5		11	26		4	
KANIN NOS	68 39 N	43 18 E			1003.9	1010.5	-16.5		1.9		5	14		1	
ARKHANGELSK	64 35 N	40 30 E	13		1012.8	1013.9	-25.3		1.0		5	18		3	50
REBOLY	63 49 N	30 49 E	181		991.3	1016.3	-23.9		0.1		7	28		3	115
VYTEGRA	61 01 N	36 27 E	59		1006.2	1013.9	-20.1		1.3		11	55		5	160
LENINGRAD /TOWN/VILLE/	59 58 N	30 18 E	4		1012.6	1013.4	-13.7		2.1		8	24		2	170
TALLIN	59 25 N	24 48 E	44		1009.2	1013.6	-10.2		2.7		13	38		4	
KAUNAS	54 53 N	23 53 E	75		1003.9	1014.0	-11.8		2.6		6	30			140
MINSK	53 52 N	27 32 E	234		985.2	1015.4	-11.7		2.5		12	42		4	
VELIKIE LUKI	56 23 N	30 36 E	98		1000.0	1013.6	-12.9		2.3		16	62		5	135
VOLOGDA	59 17 N	39 52 E	118		995.4	1012.8	-18.0		1.7		14	56		5	160
KIROV	58 39 N	49 37 E	164		992.0	1014.0	-14.5		2.0		16	74		5	120
MOSKVA	55 45 N	37 34 E	156		993.2	1013.5	-10.0		2.7		16	71			
KAZAN	55 47 N	49 11 E	64		1000.4	1016.0	-10.9		2.4		12	43		5	140
VORONEZ	51 42 N	39 10 E	164		997.5	1016.9	- 8.5		3.2		12	90		6	75
SARATOV	51 34 N	46 02 E	156		993.8	1020.2	-12.1		2.4		6	35		3	210
LVOV	49 49 N	23 57 E	325		975.2	1016.2	- 9.0		3.9		9	24			
KIEV	50 24 N	30 27 E	179		994.3	1016.1	- 9.5		2.7		8	74		5	
HAR KOV	49 56 N	36 17 E	152		997.1	1016.9	- 7.0		3.6		12	64		5	60
ODESSA	46 29 N	30 38 E	64		1010.8	1016.2	- 3.8		4.2		7	48		5	20
SIMFEROPOL	45 01 N	33 59 E	205		993.7	1016.3	0.4		5.4		7	24			95
ROSTOV-NA-DONU	47 15 N	39 49 E	77		1009.6	1018.3	- 3.6		4.4		11	78		6	100
ASTRAHAN	46 16 N	48 02 E	18			1022.7	- 5.5		3.8		2	6		2	
PJATIGORSK	44 03 N	43 02 E			993.4	1020.2	- 4.1		4.0		3	12		2	
TBILISI	41 41 N	44 57 E	490		968.1	1020.6	2.7		5.7		2	14		2	85
AFRICA															
MOROCCO															
KENITRA II	34 18 N	06 36 W	12			U									
CASABLANCA	33 34 N	07 40 W	58		1009.1	1016.0	11.8		11.1		11	87		5	105
AGADIR	30 23 N	09 34 W	19		1014.7	1017.5	13.2		11.1		7	143		5	90
MEKNES	33 53 N	05 32 W	549		952.3	1017.3	8.8		8.5		11	80		3	85
MARRAKECH	31 37 N	08 02 W	466		962.1	1017.4	10.6		9.1			100		6	85
OUARZAZATE	30 56 N	06 54 W	1136		887.9	1497 Y	8.3		5.4		4	18		5	80
ALGERIA															
TLEMCEN	34 52 N	01 20 W	805		946.5	1016.3	8.3		7.1		10	54			55

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
AFRICA															
ALGERIA															
ORAN ES SENIA	35 37 N	00 36 W	94		1005.0	1016.2	8.9		9.1			25		2	60
ALGER/DAR EL BEIDA	36 43 N	03 15 E	25		1011.9	1015.1	9.0		8.9		12	103		3	45
BEJAIA	36 43 N	05 04 E	3		1014.4	1014.8	10.0		9.1		14	130			
SKIKDA	36 52 N	06 57 E	9		1013.1	1014.5	10.7		9.1		16	223			
ANNABA	36 50 N	07 49 E	4		1013.2	1013.8	10.1		9.8		17	101		3	45
MILIANA	36 18 N	02 14 E	722		931.8	1016.5	6.7		7.3		11	96			50
CONSTANTINE	36 17 N	06 37 E	697		933.7	1015.8	5.3		7.1		13	68			
BORDJ BOU ARRERIDJ	36 04 N	04 46 E	928		908.3		8.6		6.3		8	38			
BISKRA	34 48 N	05 44 E	88		1005.2	1015.9	9.8		6.9		2	17			
D JELFA	34 40 N	03 15 E	1178		884.6	1469 Y	0.4		5.6		14	481			
ELBAYADH	33 41 N	01 01 E			863.5	1475 Y	3.2		5.1		4	21			55
EL OUED-GUEMAR	33 30 N	06 47 E	63		1008.2	1015.8	9.7		7.6		3	9			55
AIN SEFRA	32 46 N	00 36 W	1058		893.2	1462 Y	6.1		5.3		4	13			65
BECHAR	31 37 N	02 14 W	786		923.3	1484 Y	7.8		5.9		3	23		5	
GHARDAIA-NOUMERPATE	32 23 N	03 49 E	442		962.1	1017.7	9.7		6.1		2	11			75
HASSI-MESSOUD/OUED IRARA	31 40 N	06 09 E	143		999.3	1016.8	9.6		7.4		4	19			
EL GOLEA	30 34 N	02 52 E	398		977.0	1017.7	8.3		6.2		3	11			70
TIMIMOUN	29 15 N	01 07 E	313		979.8	1017.0	10.4		6.3			100		6	75
ADRAR	27 53 N	00 17 W	264		983.7	1017	11.6		6.8						75
IN AMENAS	28 03 N	09 38 E	562		951.2	1017.3	9.8		4.9		0	T			75
DJANET	24 33 N	09 28 E	1054		897.3	1507 Y	13.3		5.1		0	T			100
TUNISIA															
TOZEUR	33 55 N	08 10 E	51			U									
LIBYAN ARAB REP															
TRIPOLI INTL. AP	32 41 N	13 10 E	84	31	1005.0	1014.5	12.1		9.9		9	77			87
BENINA	32 05 N	20 16 E	132	31	998.9	1014.6	13.6		9.7		8	73			88
KUFRA	24 13 N	23 18 E	408	31	969.2	1016.7	15.8		5.1		0	0			84
SUDAN															
PORT SUDAN	19 35 N	37 13 E	2	31	1011.8	1012.1	25.0	- 1.7	22.8	-1.2	1	22	+ 21	5	
KHARTOUM	15 36 N	32 33 E	380	31	963.1	1006.9	25.9	- 2.5	8.4	+0.1	0	0	0	5	
EL OBEID	13 10 N	30 14 E	574	31	945.1	1009.3	24.3	- 2.3	7.5	-1.2	0	0	0	5	
DAMAZINE	11 47 N	34 23 E	470	31	953.1	1004.9	28.7	- 2.7	10.9	-1.5	0	0	0	5	
WAU	07 42 N	28 01 E	438	31	956.4	1005.8	29.2	- 2.4	11.5	-0.4	0	0	+ 0	5	
JUBA	04 52 N	31 36 E	457	31	954.6	1004.9	29.7	- 1.5	17.9	-2.6	1	6	+ 2	3	
MAURITANIA															
NOUADHIBOU	20 56 N	17 02 W	3		1016.9	1017.4	17.3		13.8		0	4			
NOUAKCHOTT	18 06 N	15 57 W	3		1014.7	1015.1	19.3		11.8		0	T			
BIR MOGHREIN	25 14 N	11 37 W	360		975.1	1017.0	15.4		11.0		1	3			
ZOUERATE	22 45 N	12 29 W	343		974.4	1017.3	16.3		11.1		0	2			
ATAR	20 31 N	13 04 W	224		990.0	1016.1	18.9		6.9		0	0			
AKJOUJT	19 45 N	14 22 W	120		1002.5	1016.4	20.8				0	0			
BOUTILIMIT	17 32 N	14 41 W	75		1006.4	1015.2	20.9		7.2		0	T			
TIDJIKJA	18 34 N	11 26 W	402		969.3	1015.3	19.5		6.1		0	0			
AIOUN EL ATROUSS	16 42 N	09 36 W	223		987.5	1013.2	21.6		5.2		0	T			
NEMA	16 36 N	07 16 W	269				22.8		12.9		0	0			
SENEGAL															
SAINT-LOUIS	16 03 N	16 27 W	4		1013.3	1013.8	20.4		12.9		0	2		5	
DAKAR/YOFF	14 44 N	17 30 W	24		1010.2	1013.5	18.6		16.8		0	1		5	
DIOURBEL	14 39 N	16 14 W	9		1011.6	1012.6	23.6		10.4		0	T		5	
KAOLACK	14 08 N	16 04 W	7		1012.5	1013.3	24.4		10.2		0	T		5	
ZIGUINCHOR	12 33 N	16 16 W	23		1009.0	1011.6	24.4		12.1		0	T		5	
PODOR	16 38 N	14 56 W	7		1013.9	1014.8	22.4		8.9		0	T		5	
LINGUERE	15 23 N	15 07 W	21		1010.4	1012.7	23.6		9.3		0	T		5	
MATAM	15 38 N	13 15 W	17		1010.6	1012.6	24.3		8.8		0	T		5	
TAMBACOUNDA	13 46 N	13 41 W	50		1005.9	1011.7	26.0		8.0		0	T		5	
KOLDA	12 53 N	14 58 W	10				25.0		11.6		0	0		5	
KEDOUGOU	12 34 N	12 13 W	167		991.4	1010.2	26.2		8.3		0	T		5	
NIGER															
BILMA	18 41 N	12 55 E	357		972.3	1013.0	19.1		6.3		0	0		5	80
AGADEZ	16 58 N	07 59 E	503		955.5	1012.0	22.1		5.2		0	0		5	80
N GUIGMI	14 15 N	13 07 E	286		977.9	1010.3	23.8		6.9		0	0		5	100
ZINDER-AERO	13 47 N	08 59 E	453		960.2	1010.9	24.1		5.2		0	0		5	100
MAGARIA	12 59 N	08 56 E	403		966.5	1012.0	22.7		7.2		0	0		5	
MARADI	13 28 N	07 05 E	369		968.6	1010.4	24.2		6.6		0	0		5	95
BIRNI-N KONNI	13 48 N	05 15 E	274		979.6	1010.2	25.6		8.0		0	T		5	85
TAHOUA	14 54 N	05 15 E	387		967.1	1010.9	24.6		4.6		0	0		5	85
TILLABERY	14 12 N	01 27 E	210		986.7	1010.3	25.7		6.9		0	0		5	80
NIAMEY-AERO	13 29 N	02 10 E	234		984.8	1010.3	25.8		6.9		0	0		5	95
GAYA	11 53 N	03 27 E	203		984.9	1007.4	28.0		7.7		0	0		5	100
GUINEA															
BOKE	10 56 N	14 19 W	69		1002.5	1010.6					0	1			
KINDIA	10 03 N	12 52 W	459		1006.5	1009.5	26.1		25.8		0	0			
SIERRA LEONE															
LUNGI	08 37 N	13 12 W	27	31	1007.0	1009.9	26.1	- 0.4	24.5	-2.3	0	0	- 7		77

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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															
SIERRA LEONE															
NJALA	08 06 N	12 06 W	56	31	1000.6	1006.8	25.8	- 0.3	22.0	-3.5	0	0	- 11		74
BO	07 57 N	11 46 W	93	31	999.5	1010.5	26.1	+ 0.1	25.1	-0.1	1	10	+ 1		74
KABALA	09 35 N	11 33 W	464	31	958.3	1010.2	25.6	+ 0.9	15.2	-2.2	1	1	- 7		114
DARU	07 59 N	10 51 W	186	31	987.8	1009.2	25.3	- 0.2	22.1	-1.5	2	17	+ 7		123
LIBERIA															
ROBERTS FIELD	06 15 N	10 21 W	12	31	1008.7	1009.7	25.6	- 0.5	26.4	-1.1	3	49	+ 24		
UPPER VOLTA															
DORI	14 02 N	00 03 E	275		980.0	1011.5	24.4		8.6		0	T		4	
OUAHIGOUYA	13 35 N	02 26 W	324		973.1	1010.7	24.6		6.6		0	0		5	
FADA N GOURMA	12 04 N	00 21 E	309		975.5	1010.0	26.5		8.9		0	0		5	
BOROMO	11 40 N	02 55 W	271		979.7	1010.1	26.5		8.2		0	0		5	
BOBO-DIOULASSO	11 10 N	04 18 W	467		959.0	1010.0	26.1		7.9		0	0		4	
GAOUA	10 20 N	03 11 W	333		972.3	1009.4	27.3		8.7		0	0		4	
TOGO															
DAPON	10 52 N	00 15 E	330		972.6	1009.5	28.5		9.2		0	0			
MANGO	10 22 N	00 28 E	146		992.4	1008.7	28.0		9.7		0	0		5	
SOKODE	08 59 N	01 08 E	403		965.4	1009.0	27.0		12.8		1	1		4	
ATAKPAME	07 35 N	01 07 E	402		964.7	1008.8	27.0		19.5		1	3		2	
TABLIGBO	06 35 N	01 30 E	52		1004.2	1009.4	27.2		27.1		1	3		3	
LOME	06 10 N	01 15 E	25		1006.8	1009.6	27.2		29.2		2	14		4	95
UNITED REP OF CAMEROON															
MAROUA-SALAK	10 27 N	14 15 E	422		961.7	1008.5	26.7				0	0			
GAROUA	09 20 N	13 23 E	244		981.4	1007.8	28.9				0	0		5	90
NGAOUNDERE	07 21 N	13 34 E	1104		889.7	1487 Y	21.3		16.6		1	2		5	95
MAMFE	05 43 N	09 17 E	128		994.3	1008.7	26.1		27.5		5	24		3	65
YAOUNDE	03 50 N	11 51 E	760		925.7	1008.5	23.4				2	26		4	95
DOUALA OBS.	04 00 N	09 44 E	9		1008.0	1009.0	26.9		29.9		6	118		5	100
DOUALA R.S.	04 01 N	09 42 E	15			U									
KRIBI	02 57 N	09 54 E	16		1007.2	1009.0	27.4		30.6		6	120		4	
CONGO															
M POUYA	02 37 S	16 13 E	312		973.5	1008.3	25.1		26.7		15	245			
BRAZZAVILLE/MAYA-MAYA	04 15 S	15 15 E	316		973.2	1008.3	25.5		25.9		14	185		5	125
GABON															
BITAM	02 05 N	11 29 E	599		742.9	1008.9	23.4		25.7		6	49			
MITZIC	00 47 N	11 32 E	583		944.5	1008.9	23.2				6	158			
MAKOKOU	00 34 N	12 52 E	515			1011.9	23.7		25.3		8	92			
LAMBARENE	00 43 S	10 14 E	26		1007.4	1010.3	26.4		29.4		10	130			
MOUILA	01 52 S	11 01 E	89		999.4	1009.6	26.0		28.9		10	89			
TCHIBANGA	02 51 S	11 01 E	79		998.1	1007.2	25.3		27.9		15	331			
MAYUMBA	03 25 S	10 39 E	34		1005.7	1009.7	26.0		29.9		11	134			
PORT-GENTIL	00 42 S	08 45 E	4		1009.2	1009.7	26.8		29.8		12	337			
COCOBEACH	01 00 N	09 36 E	13		1008.2	1009.6	26.3		30.0		12	142			
KENYA															
MOYALE	03 32 N	39 03 E	1113	31			25.3	+ 0.9	15.6	+0.7	4	38	+ 28	5	
ELDORET	00 32 N	35 17 E	2120	31	799.0	1473 Z	18.3		9.0		1	11	- 16	3	106
NAIROBI AIRPORT	01 19 S	36 55 E	1624	31	838.5	1501 Z	19.6	+ 0.1	14.5	-0.8	2	12	- 44		105
GARISSA	00 28 S	39 38 E	138	31	993.9	1010.6	28.5	- 0.1	24.5	+0.8	0	1	- 10	2	
MALINDI	03 14 S	40 06 E	23	31	1008.1	1010.7	27.5	+ 0.9	27.5	-0.4	0	0	- 10	3	105
ETHIOPIA															
ASMARA	15 17 N	38 55 E	2325	31	771.3		12.7		7.4		0	0			94
GONDER	12 32 N	37 26 E	1966	31	803.8		20.6		7.3		0	0			
COMBOLCHA	11 05 N	39 43 E	1916	31	816.1		14.3		9.4		2	22			125
ADDIS ABABA	08 59 N	38 48 E	2408	31	767.1		16.0				3	14			119
DIRE DAWA	09 36 N	41 52 E	1146	31	886.1		21.9		13.3		2	57			113
GORE	08 10 N	35 33 E	1974	31			20.1		12.2		5	31			
JIMMA	07 40 N	36 50 E	1577	31	829.9		17.8		11.9		5	25			107
RWANDA															
KIGALI	01 57 S	30 07 E	1497		849.9	1493 Y	19.8		17.4		7	61			
ZIMBABWE															
BULAWAYO/GOETZ OBS	20 09 S	28 37 E	1345	31	865.3	1496 Y	21.3	+ 0.4	18.8	+2.1	18	143	+ 9	4	90
SALISBURY/BELVEDERE	17 50 S	31 01 E	1472			U									
HARARE/KUTSAGA OBS	17 56 S	31 06 E	1479	31	852.3	1499 Y	21.7	+ 1.7	18.5	+1.3	20	465	+249	5	83
CHIPINGA	20 12 S	32 37 E	1132	31	887.6	1503 Y	20.6	+ 0.1	20.9	+1.4	21	425	+195	5	69
ZAMBIA															
KASAMA	10 13 S	31 08 E	1384		857.7	1469 Y	20.4		18.8		18	193		1	135
KABWE	14 25 S	28 29 E	1207		878.9	1495 Y	21.8		20.6		16	255		3	95
LUSAKA CITY AIRPORT	15 25 S	28 19 E	1280			U									
MONGU	15 15 S	23 10 E	1053		893.5	1484 Y	23.1		17.5		15	131		1	115
LIVINGSTONE	17 49 S	25 49 E	987		900.5	1486 Y	23.7		20.7		17	202		4	95

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
AFRICA															
MALAWI															
KAMUZU INT.AP	13 47 S	33 46 E	1229	31	877.9	1510 Y	20.7		20.4		16	221			
CHILEKA	15 41 S	34 58 E	767	31	925.1	1514 Y	23.7	+ 0.5	23.4		15	219	+ 13		110
MADAGASCAR															
DIEGO-SUAREZ	12 21 S	49 18 E	105	31	998.5	1010.4	26.2	+ 0.2	27.0	-0.6	17	295	+ 10	4	107
TULEAR	23 23 S	43 44 E	8	31	1009.1	1010.0	28.3	+ 1.1	28.8	+0.9	4	27	- 59	1	115
TAMATAVE	18 07 S	49 24 E	6	31	1011.1	1011.7	26.4	+ 0.4	28.9	+0.4	19	281	-113	2	114
ANTANANARIVO/IVATO	18 48 S	47 29 E	1276	31	873.8	1513 Y	20.7	+ 0.2	17.7	-1.3	12	241	- 47	2	125
SEYCHELLES															
SEYCHELLES INTERNATIONAL AP	04 40 S	55 31 E	3			U									
OCEAN ISLANDS															
AGALEGA/MAURITIUS	10 26 S	56 45 E	3		1008.3	1008.6	27.0	- 0.2	30.2	+0.1	18	287	+ 22	4	
ILES GLORIEUSES	11 33 S	47 17 E	3	31	1011.3	1011.8	27.6		30.5		14	278			
SERGE-FROLOW/ILE TROMELIN	15 53 S	54 31 E	8	31	1008.3	1009.7	27.6		31.1		15	78			
ST. BRANDON/ST. RAPHAEL/	16 27 S	59 37 E	4		1010.0	1010.3	27.0	- 0.7	30.3	+0.4	13	250	+ 78	5	
ILE JUAN DE NOVA	17 03 S	42 43 E	9	31	1008.6	1009.8	28.5		30.2		9	175			
RODRIGUES/MAURITIUS	19 41 S	63 25 E	59		1006.1	1012.4	26.7	+ 0.4	26.4	-0.5	5	123	- 10	3	100
VACOAS/MAURITIUS	20 18 S	57 30 E	425			U									
PLAISANCE/MAURITIUS	20 26 S	57 40 E	57		1005.3	1011.6	26.3	+ 0.4	27.7	+0.2	15	455	+206	5	105
ST. DENIS/GILLOT, REUNION	20 53 S	55 31 E	12	31	1007.9	1010.8	26.5		26.1		12	438			95
ILE EUROPA	22 21 S	40 21 E	7	31	1009.2	1010.7	27.8		29.7		7	80			95
ILE NOUVELLE-AMSTERDAM	37 48 S	77 32 E	28	31	1013.7	1017.2	16.6		15.9		9	94			
ILE CROZET	46 30 S	51 00 E		31	989.1	1006.3	7.0		8.2		19	127			
PORT-AUX-FRANCAIS/KERGUELEN	49 20 S	70 13 E	18	31	994.0	997.6	7.3		7.7		23	99			
SOUTH AFRICA															
GROOTFONTEIN	19 36 S	18 07 E	1400	31	857.8	1480 Y	24.6	+ 1.5	15.4		10	107	- 24		98
WINDHOEK	22 34 S	17 06 E	1700	31	829.3	1485 Y	23.7	+ 0.6	11.6	+0.1	10	55	- 24	3	92
J. G. STRIJDOM	22 29 S	17 28 E	1700	31	832.6	1520 Y	23.3	+ 0.4	9.1		10	65	- 15		99
KEETMANSHOOP	26 34 S	18 07 E	1100	31	888.3	1487 Y	26.7	+ 0.2	11.9	+1.1	5	17	- 9	3	91
UPINGTON	28 24 S	21 16 E	800	31	919.6	1496 Y	29.0	+ 1.5	12.8	+1.1	15	72	+ 42	5	93
PIETERSBURG	23 52 S	29 27 E	1250	31	881.0	1508 Y	22.2	+ 0.6	18.6	+1.2	12	140	+ 62	5	95
PRETORIA	25 44 S	28 11 E	1300	31	870.6	1507 Y	23.1	+ 0.8	16.9	-0.7	9	135	0	3	102
PRETORIA/IRENE	25 55 S	28 13 E	1525			U									
JAN SMUTS	26 08 S	28 14 E	1700	31	831.3	1508 Y	20.8	+ 1.8	15.6	+1.0	10	109	- 20	3	94
BLOEMFONTEIN/J.B.M. HERTZOG	29 06 S	26 18 E	1400	31	860.0	1502 Y	24.2	+ 1.8	14.5	+1.0	10	58	- 31	2	87
KIMBERLEY	28 48 S	24 46 E	1250	31	879.4	1496 Y	25.8	+ 1.2	14.8	+0.7	8	54	- 6	4	84
ALEXANDER BAY	28 34 S	16 32 E	0	31	1008.9	1011.6	19.8	+ 0.9	17.8	+1.5	3	10	+ 9	6	86
CAPE TOWN/D.B.MALAN	33 58 S	18 36 E	0	31	1005.9	1011.7	20.7	+ 0.3	17.7	+1.3	5	25	+ 14	5	92
PORT ELIZABETH	33 59 S	25 36 E	0	31	1005.6	1012.9	22.0	+ 1.0	21.1	+2.1	4	85	+ 49	5	75
EAST LONDON	33 02 S	27 50 E	0	31	997.2	1012.2	22.3	+ 1.0	21.9	+1.8	8	110	+ 40	5	69
DURBAN/LOUIS BOTHA	29 58 S	30 57 E	0	31	1010.2	1011.8	25.2	+ 1.4	26.3	+3.0	8	99	- 36	2	95
GOUGH ISLAND	40 21 S	09 53 W	0	31	1008.1	1014.5	12.5	- 1.5	11.0	+1.9	17	170	- 27		95
MARION ISLAND	46 53 S	37 52 E	0	31	1001.2	1003.9	7.8	+ 0.9	9.2	+1.1	21	274	+ 53		104
ASIA															
USSR-WESTERN															
MYS KAMENNYJ	68 28 N	73 36 E			1012.5	1013.7	-29.6		0.5		7	17			
NAR JAN-MAR	67 39 N	53 01 E	7		1010.6	1012.0	-27.3		0.9		6	11		2	
SALEHARD	66 32 N	66 32 E	35		1011.2	1013.4	-28.0		0.7		8	24			
TARKO-SALE	64 55 N	77 49 E	27		1010.9	1015.1	-27.9		0.6		10	39			
NJAKSIMVOL	62 26 N	60 52 E	50		1007.8	1015.0	-25.2		0.9		16	51			
TURUHANSK	65 47 N	87 57 E	32		1014.6	1019.9	-27.4		0.6		15	41		6	
ESSEJ	68 28 N	102 22 E	200		987.5	1027.5	-40.3		0.2		0	3			
SYKTYVKAR	61 40 N	50 51 E	96		996.8	1012.9	-21.3		1.2		12	36		3	95
HANTY-MANSIJSK	60 58 N	69 04 E	40		1009.0	1015.4	-20.2		1.2		12	46			
PODKAMENNAJA TUNGUSKA	61 36 N	90 00 E	60		1015.7	1023.8	-24.4		0.9		17	54		6	30
TURA	64 10 N	100 04 E	140		1002.7	1030.4	-39.7		0.2		11	22		6	100
ERBOGACEN	61 16 N	108 01 E	278		988.9	1031.0	-35.5		0.2		5	14		2	
TOBOLSK	58 09 N	68 11 E	44		1012.6	1019.1	-16.4		1.5		7	21			160
OMSK	54 56 N	73 24 E	94		1009.2	1025.8	-16.0		1.5		5	13			80
KOLPASEV	58 18 N	82 54 E	76		1013.5	1023.7	-15.8		1.2		2	22		5	
ENISEJSK	58 27 N	92 09 E	78		1015.9	1026.8	-20.4		1.3		12	47		5	120
KRASNOJARSK	56 00 N	92 53 E	194		992.0	1028.4	-13.3		1.6		4	28		6	
BOGUCANY	58 25 N	97 24 E	134		1010.3	1028.9	-25.1		0.8		7	29		5	35
BRATSK	56 04 N	101 50 E	326		974.9	1031.2	-20.8		1.2		9	26			
KIRENSK	57 46 N	108 07 E	261		996.4	1033.8	-32.0		0.5		9	22		4	
ORENBURG	51 45 N	55 06 E	109		1008.7	1024.6	-13.6		1.9		4	19		3	170
KUSTANAJ	53 13 N	63 37 E	171		1003.8	1024.8	-14.9		1.6		9	19			
TURGAJ	49 38 N	63 30 E	123		1010.3	1028.3	-15.5		1.6		1	4			
KARAGANDA	49 48 N	73 08 E	555		960.9	1033.0	-13.4		4.4		2	8			
SEMIPALATINSK	50 21 N	80 15 E	206		1008.0	1034.5	-15.9		1.4		3	10			
BARNAUL	53 20 N	83 42 E	196		1006.8	1031.7	-15.4		1.5		4	11		1	145
MINUSINSK	53 42 N	91 42 E	251		998.8	1032.7	-16.4		1.6		1	4		2	
IRKUTSK	52 16 N	104 21 E	485		970.4	1033.3	-19.2		1.2		8	19		5	110
UST'-BARGUIZIN	53 26 N	108 59 E	457		971.6	1034.9	-24.9		0.6		3	9			
GUREV	47 01 N	51 51 E	-20		1027.0	1024.0	- 8.0		3.0		2	4			
FORT SEVCENKO	44 33 N	50 15 E	-20		1028.2	1025.2	- 2.0		3.7		4	5		3	140
SAM	45 25 N	56 12 E	82		1013.7	1025.3	- 8.4		2.8		3	3			

SURFACE DATA

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
ASIA															
USSR-WESTERN															
BALHAS	46 54 N	75 00 E	423		986.0	1032.2	-12.8		1.5		3	9			
KRASNOVODSK	40 02 N	52 59 E	89		1010.2	1020.4	1.3		5.4		5	5			45
ASHABAD	37 58 N	58 20 E	230		993.6	1022.2	1.0		5.9		7	29			25
CARDZOU	39 05 N	63 36 E	193		999.0	1023.2	0.8		5.5		7	21			30
CIMBAJ	42 57 N	59 49 E	66		1016.9	1025.6	- 5.7		3.0		4	12			
TAMDY	41 44 N	64 37 E	220		994.9	1025.3	- 3.7		3.9		10	35			
TASKENT	41 16 N	69 16 E	428		964.9	1025.2	0.1		4.7		9	63		5	90
ALMA-ATA	43 14 N	76 56 E	847		923.8	1028.7	- 7.3		2.7		4	26		3	30
USSR-EASTERN															
OSTROV KOTELNYJ	76 00 N	137 54 E	10		1027.5	1028.6	-28.3		0.5		2	6			
COKURDAH	70 37 N	147 53 E	48		1019.5	1028.4	-32.9		0.4		5	12			
OSTROV CETYREHSTOLBOVOJ	70 38 N	162 24 E	6		1018.2	1024.0	-26.4		0.7		3	7			
MYS SMIDTA	68 55 N	179 29 W	7		1019.1	1019.7	-23.5		0.9		6	18			
MYS UZLEN	66 10 N	169 50 W	7		1006.6	1007.5	-16.0		1.8		11	38			
ANADYR	64 47 N	177 34 E	62		1000.2	1009.6	-18.9		1.4		9	55		4	15
KORF	60 21 N	166 00 E	3		1001.9	1002.4	-14.9		1.5		3	11		1	76
OSTROV BERINGA NIKOLSKOE	55 12 N	165 59 E	6		992.8	994.6	- 3.3		4.2		11	33		1	65
PETROPAVLOVSK/KAMCATSKIJ	52 58 N	158 45 E	7		995.6	998.7	- 8.0		2.2		7	18		0	105
ICA	55 42 N	155 38 E	4		1002.8	1003.7	-17.5		1.3		0	3		1	
OHOTSK	59 22 N	143 12 E	6		1014.1	1014.8	-22.2		0.7		1	2		4	
AJAN	56 27 N	138 09 E	9		1018.1	1019.3	-21.1		0.6		0	T			115
NIKOLAEVSK NA AMURE	53 09 N	140 42 E	47		1012.1	1018.6	-26.8		0.6		2	10		2	
SIMUSIR	46 51 N	151 52 E	26		1001.4	1004.6	- 4.4		3.0		18	40			
JUZNO-SAHALINSK	46 55 N	142 44 E	31		1011.9	1015.1	-16.8		1.5		8	45			
VLADIVOSTOK	43 07 N	131 54 E	138		1000.0	1024.6	-16.4		1.1		4	24			95
OLENEK	68 30 N	112 26 E	127		997.4	1030.4	-45.3		0.1		2	7		3	
DZARDZAN	68 44 N	124 00 E	47		1026.2	1032.1	-44.4		0.1		0	3			
VERHOJANSK	67 33 N	133 23 E	137		1014.2	1035.5	-48.2		0.6		0	2		1	
ZYRJANKA	65 44 N	150 54 E	43		1022.2	1028.5	-32.8		0.3		7	21		5	
UST -OLOJ	66 33 N	159 25 E	125		1007.1	1025.4	-34.6		0.3		7	20		2	
ILIRNEJ	67 20 N	168 14 E	426		973.0	1023.0	-31.8		0.5		3	13		4	
OJMJAKON	63 16 N	143 09 E	726		929.9	1038.1	-45.9		0.2		3	8		3	
SEJMCAN	62 55 N	152 25 E	207		997.3	1027.8	-33.8		0.3		15	39		4	
KAMENSKOE	62 29 N	166 13 E	106		1007.1	1008.9	-20.3		1.0		9	44		4	110
VILJUJSK	63 46 N	121 37 E	107		1015.3	1032.2	-43.0		0.1		2	5		2	
SUNTAR	62 09 N	117 39 E	124		1012.2	1032.2	-40.8		0.2		3	7		1	
JAKUTSK	62 05 N	129 45 E	103		1017.8	1033.2	-43.7		0.1		0	3		1	
ALDAN	58 37 N	125 22 E	682		939.4	1033.2	-31.5		0.4		3	17		4	
BOGDARIN	54 28 N	113 35 E	917		913.5	1036.8	-31.6		0.4		0	4		5	
CITA	52 01 N	113 20 E	685		943.7	1036.2	-29.9		0.5		0	3		4	95
MOGOCA	53 44 N	119 47 E	619		946.9	1033.7	-31.6		0.4		1	2		3	100
KALAKAN	55 07 N	116 45 E	607		951.7	1039.3	-37.8		0.2		1	3		4	
BOMNAK	54 43 N	128 56 E	357		977.9	1028.7	-33.5		0.3		0	T		0	120
IM. POLINY OSIPENKO	52 25 N	136 30 E	65		1012.2	1022.6	-32.1		0.4		0	0			120
BLAGOVESCENSK	50 16 N	127 30 E	137		1008.3	1026.7	-24.0		0.7		3	6		5	
HABAROVSK	48 31 N	135 10 E	72		1010.0	1022.5	-22.7		0.8		3	7		3	95
HONG KONG															
ROYAL OBSERVATORY	22 18 N	114 10 E	33	31	1013.3	1020.8	15.4	- 0.2	13.3	+0.4	4	14	- 13	2	70
KINGS PARK	22 19 N	114 10 E	66			U									
MACAO															
MACAO	22 12 N	113 32 E	59		1013.6	1020.7	14.2		12.3		4	14		3	
REPUBLIC OF KOREA															
KANGNUNG	37 45 N	128 54 E	27	31	1020.0	1023.5	- 1.9	- 1.5	2.5	-0.8	1	1	- 53	1	107
INCHON	37 29 N	126 38 E	70	31	1017.3	1026.5	- 5.3	- 2.1	2.9	-0.5	4	19	+ 1	4	109
PUSAN	35 06 N	129 02 E	71	31	1014.8	1023.8	0.9	- 1.3	3.0	-1.0	1	3	- 24	1	128
MOKPO	34 47 N	126 23 E	56	31	1019.3	1026.5	- 0.2	- 1.5	4.1	-0.8	5	19	- 17	2	142
JAPAN															
WAKKANAI	45 25 N	141 41 E	11	31	1012.8	1014.2	- 8.7	- 3.0	2.6	-0.5	17	96	- 12	2	198
ASAHIKAWA	43 46 N	142 22 E	116	31	999.4	1014.7	-12.3	- 3.8	2.0	-0.8	17	49	- 31	1	167
ABASHIRI	44 01 N	144 17 E	39	31	1007.7	1013.3	- 9.5	- 2.9	2.4	-0.5	12	76	+ 8	4	121
SAPPORO	43 03 N	141 20 E	19	31	1011.6	1014.0	- 6.9	- 2.0	2.7	-0.6	20	157	+ 43	5	114
NEMURO	43 20 N	145 35 E	26	31	1008.4	1011.8	- 6.9	- 2.2	2.7	-0.6	9	37	- 15	2	119
URAKAWA	42 10 N	142 47 E	34	31	1009.2	1013.4	- 5.2	- 2.1	2.7	-0.7	11	43	- 7	3	121
AKITA	39 43 N	140 06 E	10	31	1016.8	1018.1	- 2.7	- 2.2	3.5	-1.1	22	89	- 46	1	95
MIYAKO	39 39 N	141 58 E	47	31	1010.1	1016.1	- 2.8	- 2.8	2.7	-1.1	3	9	- 61	1	125
SENDAI	38 16 N	140 54 E	40	31	1012.2	1017.7	- 1.1	- 2.0	3.5	-1.0	0	2	- 44	0	119
WAJIMA	37 23 N	136 54 E	6	31	1019.3	1020.1	0.7	- 2.0	5.0	-0.8	25	214	- 45	2	90
NIIGATA	37 55 N	139 03 E	6	31	1018.7	1019.5	0.1	- 1.9	4.6	-0.9	21	126	- 71	1	128
KANAZAWA	36 33 N	136 39 E	28	31	1017.0	1020.5	1.2	- 1.7	5.1	-0.9	24	179	-129	1	108
MATSUMOTO	36 15 N	137 58 E	611	31	944.3	1019.4	- 2.4	- 1.4	3.3	-0.6	3	4	- 32	1	108
MAEBASHI	36 24 N	139 04 E	113	31	1003.6	1017.7	1.4	- 1.4	3.5	-0.6	1	1	- 24	1	112
NAGOYA	35 10 N	136 58 E	56	31	1012.9	1019.9	2.8	- 0.8	4.6	-0.8	5	23	- 27	2	115
TATENO	36 03 N	140 08 E	27			U									
CHOSHI	35 43 N	140 51 E	28	31	1013.2	1016.7	4.4	- 1.4	5.1	-0.7	6	21	- 71	1	96
OMAEZAKI	34 36 N	138 13 E	47	31	1011.7	1017.5	4.9	- 1.2	4.9	-1.1	2	31	- 48	1	111
TOKYO	35 41 N	139 46 E	36	31	1012.8	1017.3	4.1	- 0.6	4.0	-0.6	1	5	- 49	1	109
HACHIJOJIMA	33 06 N	139 47 E	80	31	1007.4	1017.1	9.3	- 1.0	7.4	-1.2	9	56	-150	0	101
HACHIJOJIMA/OMURE	33 07 N	139 47 E	156			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															
JAPAN															
YONAGO	35 26 N	133 21 E	8	31	1020.6	1021.6	2.6	- 1.3	5.5	-0.7	16	142	- 18	2	105
HIROSHIMA	34 22 N	132 26 E	30	31	1018.4	1022.2	3.7	- 0.6	5.3	-0.5	3	12	- 41	1	133
OSAKA	34 41 N	135 31 E	50	31	1014.7	1021.0	4.3	- 1.3	5.0	-0.7	4	19	- 32	1	119
SHIONOMISAKI	33 27 N	135 46 E	75	31	1010.4	1019.6	6.5	- 1.0	5.6	-0.8	4	46	- 65	1	114
IZUHARA	34 12 N	129 18 E	22	31	1020.9	1023.8	3.4	- 1.5	4.9	-0.8	4	19	- 54	1	120
FUKUOKA	33 35 N	130 23 E	14	31	1021.6	1023.4	4.7	- 1.0	5.5	-0.8	6	37	- 43	1	123
OITA	33 14 N	131 37 E	13	31	1021.2	1022.8	4.6	- 0.9	5.2	-0.9	2	17	- 32	2	114
NAGASAKI	32 44 N	129 52 E	35	31	1019.0	1023.4	5.0	- 1.4	5.9	-0.9	11	30	- 52	1	116
KAGOSHIMA	31 34 N	130 33 E	5	31	1021.7	1022.3	6.2	- 0.8	6.3	-1.2	7	36	- 59	1	111
KAGOSHIMA/YOSHINO	31 38 N	130 35 E	283			U									
MIYAZAKI	31 55 N	131 25 E	7	31	1020.6	1021.5	5.8	- 1.0	6.0	-1.0	3	31	- 40	2	103
KOCHI	33 34 N	133 33 E	18	31	1018.6	1020.8	4.7	- 0.9	4.7	-1.3	4	22	- 45	1	97
SHIMIZU/ASHIZURI	32 43 N	133 01 E	32	31	1017.0	1021.0	6.9	- 1.3	5.4	-1.2	2	8	- 83	0	110
NAZE	28 23 N	129 30 E	7	31	1020.2	1021.1	13.8	- 0.4	11.7	+0.3	17	201	+ 15	4	103
NAZE/FUNCHATOGE	28 23 N	129 33 E	295			U									
ISHIGAKIJIMA	24 20 N	124 10 E	7	31	1019.0	1019.8	18.3	+ 0.6	15.4	-0.1	12	77	- 55	2	103
MIYAKOJIMA	24 47 N	125 17 E	41	31	1015.2	1020.0	17.7	+ 0.5	14.7	-0.2	14	81	- 62	1	94
NAHA	26 14 N	127 41 E	36	31	1016.3	1020.5	16.2	+ 0.2	13.0	+0.1	30	46	- 74	1	99
MINAMIDAITOJIMA	25 50 N	131 14 E	15	31	1017.8	1019.8	17.2	0.0	13.5	-0.6	7	28	- 73	1	111
CHICHIJIMA	27 05 N	142 11 E	4			U									
MINAMITORISHIMA	24 18 N	153 58 E	9			U									
ISRAEL															
BET DAGAN	32 00 N	34 49 E	35			U									
BEN GURION INT AP	32 00 N	34 54 E	49	31	1010.8	1015.6	14.4		11.3		3	77		2	90
JERUSALEM	31 47 N	35 13 E	809	31	925.2	1492 Y	10.0		8.3		4	66		2	96
EILAT	29 33 N	34 57 E	13	31	1013.9	1015.0	17.1		8.3		1	1		3	92
JORDAN															
H-4	32 30 N	38 12 E	688	31	937.5	1017.0	10.1		8.6		3	5			85
MAFRAQ	32 22 N	36 16 E	687			U									
AMMAN AIRPORT	31 59 N	35 59 E	762	31	926.4	1016.5	10.5	+ 2.3	8.4	+0.9	3	24	- 44	1	76
MA'AN	30 10 N	35 47 E	1070	31	895.0	1512 Y	10.6		5.6		0	0			86
KUWAIT															
KUWAIT INTL AIRPORT	29 13 N	47 59 E	55	31	1012.3	1019.2	14.4	+ 1.7	10.7	+0.9	4	27	- T		85
SAUDI ARABIA															
EL-WEJH	26 14 N	36 26 E	19		1011.6	1014.2	21.1		14.5		0	T			
YENBO	24 07 N	38 03 E	6		1011.8	1012.5	22.7		16.0		1	7			
JEDDAH (KING ABDULAZIZ) AP	21 40 N	39 09 E	8		1010.0	1010.8	24.5		20.0			5			
MAKKAH	21 29 N	39 50 E	94		984.4	1019.7	25.5		17.3		2	3			
RAFHA	29 38 N	43 29 E	440		967.5	1017.5	12.4		9.6		3	50		3	
AL-JOUF	29 56 N	40 12 E	559		939.9	1017.9	11.6		7.4		3	28			
GIZAN	16 52 N	42 35 E	3		1011.5	1011.9	25.9		24.4		1	8			
BADANA	30 58 N	40 59 E	539		953.8	1019.4	11.0		7.9		2	24			
TABOUK	28 24 N	36 35 E	769		928.3	1016.7	14.3		5.3		0	0			
TURAIF	31 41 N	38 40 E	824		922.9	1019.6	9.3		7.5		1	7			
GURIAT	31 20 N	37 20 E			958.9	1018.4	10.1		7.2		0	1			
HAIL	27 31 N	41 44 E	988		902.8	1016.1	12.6		6.8		2	19		4	
HAFOOF	25 33 N	49 38 E			996.6	1017.3	16.8		10.0		1	8			
MEDINA	24 31 N	39 42 E	632		942.0	1010.7	19.9		9.8		3	10			
TAIF	21 29 N	40 32 E	1457		856.5	1515 Y	17.2		12.3		3	22			
KHAMIS MUSHAIT	18 18 N	42 48 E	2057		798.9	1528 Y	13.3		10.1		9	57			
ABHA	18 08 N	42 23 E	2090		791.7	1485 Y	14.2		12.8		2	57			
BISHA	19 58 N	42 40 E	1161		885.8	1515 Y	19.0		8.8		3	15			
AL BAHA	20 18 N	41 38 E	1662		838.1	1537 Y	16.9		9.4		2	13			
SULAYIL	20 28 N	45 40 E	612		946.6	1017.4	18.7		8.8		2	3			
RIYADH	24 42 N	46 44 E	608		946.9	1018.6	16.9		8.1		1	7			
RIYADH(KING KHALED INT AP)	24 55 N	46 43 E	624		947.4	1017.8	15.5		7.9		2	14			
GASSIM	26 17 N	43 51 E	645		941.0	1017.7	13.9		5.0						
QAISUMAH	28 20 N	46 07 E	356		975.7	1018.1	13.8		9.5		5	31			
DHAHRAN	26 16 N	50 10 E	21		1015.6	1018.6	16.9		13.2		8	9			
NAJRAN	17 36 N	44 25 E	1210			1525 Y	18.2		8.7		3	9			
OMAN															
SUR	22 35 N	59 30 E			1017.2	1017.9	22.3		20.4		1	5			
SEEB INTERNATIONAL AP	23 35 N	58 17 E			1015.6	1017.2	22.3		18.4		0	T			
MASIRAH	20 41 N	58 54 E			1014.6	1016.8	22.9		20.2		0	T			
SALALAH	17 02 N	54 05 E	22		1012.6	1015.3	24.0		17.1		1	1			
THUMRAIT	17 44 N	53 56 E			965.3		20.2		12.1		0	0			
BAHRAIN															
BAHRAIN MUHARRAQ	26 16 N	50 37 E	2	31	1017.8	1018.0	18.5	+ 1.1	15.9	+1.0	1	11	- 6	3	
UNITED ARAB EMIRATES															
ABU DHABI BATEEN AP	24 26 N	54 27 E	3	31	1016.8	1017.3	19.9	+ 2.1	17.4	+2.5	0	T			100
ABU DHABI NEW INT AIRPORT	24 26 N	54 28 E	3	31	1014.0	1016.8	19.3		16.5		0	T			
DEMOCRATIC YEMEN															
ADEN KHORMAKSAR	25 15 N	51 34 E	3		1014.2	1014.5	26.2		25.5		0	T			

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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															
QATAR															
DOHA INTERNATIONAL AP	25 15 N	51 34 E	10		1016.6	1017.5	18.7	.	15.0		1	2			
AFGHANISTAN															
MAZARI-SHARIF	36 42 N	67 12 E	378	31	977.3	1024.0	3.1	+ 0.8	6.8	+0.9	10	62	+ 32	6	75
KABUL-AIRPORT	34 33 N	69 12 E	1803	31	823.4	1541 Y	- 2.3	- 0.2	3.8	+0.3	3	29	- 6	3	105
CHAKHCHARAN	34 32 N	65 16 E	2230	31	776.9	1482 Y	-11.4	- 2.1	2.1	-0.6	9	31	0	2	83
PAKISTAN															
PARACHINAR	33 52 N	70 05 E	1725	31	828.4	1515 Y	4.3	+ 0.1	4.8	+0.1	4	49	- 33		
PESHAWAR	34 01 N	71 35 E	359	31	975.9	1018.4	11.8	+ 1.1	7.9	+0.3	3	29	- 10	3	107
FORT SANDEMAN	31 21 N	69 28 E	1407	31	859.5	1493 Y	6.0	+ 0.1	4.7	+0.1	4	15	- 9	2	
DERA ISMAIL KHAN	31 49 N	70 55 E	174	31	996.9	1017.5	11.5	- 0.6	8.3	-0.4	31	1	- 3	3	
SARGODHA	32 03 N	72 40 E	184			U									
JHELUM	32 56 N	73 44 E	233	31	989.9	1017.7	12.5	+ 0.6	9.5		5	14			
LAHORE CITY	31 33 N	74 20 E	214	31	992.1	1017.7	13.5	+ 1.3	9.5	-0.2	1	1	- 30	1	104
QUETTA/SAMUNGLI	30 15 N	66 53 E	1601	31	840.9	1501 Y	5.7	+ 1.7	5.3	-0.4	5	55	+ 18	4	112
MULTAN	30 12 N	71 26 E	123	31	1003.3	1018.1	13.1	0.0	8.9	-0.3	0	0	- 7	1	
DALBANDIN	28 53 N	64 42 E	850	31	921.1	1511 Y	10.1	+ 0.9	6.5	-0.4	2	19	- 6	3	
KALAT	29 02 N	66 35 E	2017	31	800.3	1542 Y	2.9	+ 0.1			3	34	- 20	3	
JACOBADAD	28 18 N	68 28 E	56	31	1010.8	1017.5	15.3	+ 0.6	9.4	+0.9	0	1	- 7	3	100
PANJGUR	26 58 N	64 06 E	969	31	906.3	1511 Y	11.1	+ 0.7	8.3	+1.4	2	18	- 6	3	
CHHOR	25 31 N	69 47 E	6	31	1015.3	1016.1	15.7		8.1		0	0			
JIWANI	25 04 N	61 48 E	56	31	1010.1	1016.7	19.1		14.5		4	13			
HYDERABAD	25 23 N	68 25 E	30	31	1013.3	1016.9	18.1	+ 0.9	10.7	+1.8	0	0	- 4	3	
KARACHI AIRPORT	24 54 N	67 08 E	22	31	1013.9	1016.7	18.1	+ 0.4	11.3	+1.0	0	1	- 7	2	96
BANGLADESH															
CHITTAGONG AMBAGAN	22 21 N	91 49 E	14			U									
INDIA															
SRINAGAR	34 05 N	74 50 E	1587	31	844.9	1536 Y	2.5	+ 1.4	6.1	+0.7	7	45	- 28	2	115
AMRITSAR	31 38 N	74 52 E	234	31	989.9	1017.9	11.9	+ 0.4	10.1	+0.2	1	2	- 35		99
BIKANER	28 00 N	73 18 E	224	31	991.6	1017.8	14.6	+ 1.0	7.1	-0.5	1	1	- 5	3	
NEW DELHI/SAFDARJUNG	28 35 N	77 12 E	216	31	991.4	1017.1	14.1	- 0.2	10.3	+1.2	0	1	- 24	1	67
DIBRUGARH/MOHANBARI	27 29 N	95 01 E	111	31	1003.7	1016.8	15.9	+ 0.7	14.5	-0.2	6	18	- 21	1	
JODHPUR	26 18 N	73 01 E	224	31	990.7	1016.1	17.0	- 0.1	6.9	-0.2	0	0	- 8	3	
LUCKNOW/AMAUSI	26 45 N	80 53 E	128			U									
GAUHATI	26 06 N	91 35 E	54	31	1009.5	1015.9	17.2	+ 0.8	15.2	0.0	0	0	- 11	2	
KOTA AERODROME	25 09 N	75 51 E	274	31	984.0	1016.3	17.2	+ 0.3	9.8	+2.3	0	0	- 2	0	
CHERRAPUNJI	25 15 N	91 44 E	1313	31	870.9	1514 Y	11.1	- 0.6	11.2	+0.9	1	7	- 13	2	
DALTONGANJ	24 03 N	84 04 E	221	31	990.1	1015.9	18.1	+ 1.2	14.7	+2.3	6	31	0	4	
AHMADABAD	23 04 N	72 38 E	55	31	1008.5	1014.9	19.1	- 1.2	11.3	+2.0	0	0	- 4	4	102
SAGAR	23 51 N	78 45 E	551	31	952.1	1015.0	17.7	- 0.4	11.7	+1.8	3	23	- 7	3	
DWARKA	22 22 N	69 05 E	11	31	1014.1	1015.3	21.0	+ 0.5	12.2	-0.8	0	0	- 2	3	
INDORE	22 43 N	75 48 E	567	31	950.3	1014.5	18.3	+ 0.4	9.7	0.0	0	0	- 85	2	
CALCUTTA/ALIPORE	22 32 N	88 20 E	6	31	1014.9	1015.6	20.3	+ 0.1	16.9	+1.8	2	7	- 6	3	56
CALCUTTA/DUM DUM	22 39 N	88 27 E	6			U									
NAGPUR/SONEGAON	21 06 N	79 03 E	310	31	978.7	1014.1	22.3	+ 1.6	16.4	+3.7	5	20	+ 6	5	86
VERAVAL	20 54 N	70 22 E	8	31	1012.7	1013.7	21.5	0.0	13.7	-0.6	0	0	- 1	4	
AKOLA	20 42 N	77 02 E	282	31	981.1	1013.1	23.7	+ 1.7	15.1	+4.2	2	49	+ 40	5	
BHUBANESWAR	20 15 N	85 50 E	46	31	1009.0	1015.5	22.7	+ 0.9	19.8	+3.5	1	12	- 3		
BOMBAY/SANTACRUZ	19 07 N	72 51 E	14			U									
JAGDALPUR	19 05 N	82 02 E	553	31	952.4	1014.3	21.1	+ 0.9	17.6	+4.5	1	39	+ 34	5	
BOMBAY/COLABA	18 54 N	72 49 E	11	31	1011.3	1012.5	24.1	- 0.2	19.3	-0.4	0	0	- 2	4	98
POONA	18 32 N	73 51 E	559	31	950.2	1012.9	21.1	+ 0.9	13.0	+1.4	0	0	- 2	4	98
HYDERABAD AIRPORT	17 27 N	78 28 E	545	31	952.5	1013.1	23.5	+ 1.9	17.9	+2.6	1	1	- 1	5	85
VISHAKHAPATNAM	17 43 N	83 14 E	3	31	1014.5	1014.9	24.3	+ 0.9	22.9	-0.4	2	32	- 25	5	
MASULIPATNAM	16 11 N	81 08 E	3	31	1014.0	1014.3	24.3	+ 1.0	24.0	-1.3	4	49	- 48	6	
GOA/PANJIM	15 29 N	73 49 E	60	31	1004.7	1011.5	26.5	+ 0.5	22.1		0	0	- 2	4	
BELGAUM/SAMRA	15 51 N	74 37 E	747	31	929.5	1011.5	23.3	+ 1.4	13.8	+0.9	1	3	+ 3		
MADRAS/MINAMBAKKAM	13 00 N	80 11 E	16	31	1011.9	1013.6	24.9	+ 0.4	24.0	+0.7	5	126	+102	5	93
PANAMBUR	12 57 N	74 50 E	31			U									
BANGALORE	12 58 N	77 35 E	921	31	911.5	1524 Y	22.1	+ 1.2	14.9	+1.0	1	3	0	4	100
KOZHIKODE	11 15 N	75 47 E	5	31	1010.9	1011.5	27.5	+ 0.6	26.7	+2.0	3	39	+ 33	5	
PORT BLAIR	11 40 N	92 43 E	79	31	1003.2	1012.6	26.1	- 0.5	26.3	+0.5	3	7	- 33		90
COCHIN/ERNAKULAM	09 56 N	76 14 E	3			U									
PAMBAN	09 16 N	79 18 E	11	31	1011.1	1012.4	26.5	+ 0.5	26.9	-0.2	11	369	+303	6	
MINICOY	08 18 N	73 00 E	2	31	1010.9	1011.1	27.3	+ 1.2	28.3	+0.8	4	11	- 24	2	
TRIVANDRUM	08 29 N	76 57 E	64	31	1003.9	1011.1	27.1	+ 0.2	26.4	+1.9	3	92	+ 73	5	89
SRI LANKA															
MANNAR	08 59 N	79 55 E	3		1011.9	1012.3	26.7	+ 0.8			6	77	- 10	3	
TRINCOMALEE	08 35 N	81 15 E	7		1003.3	1012.1	26.6	+ 1.0	28.2		12	178	- 33	3	
COLOMBO	06 54 N	79 52 E	6		1010.3	1011.2	27.0	+ 0.8	27.4		9	83	- 5	3	
HAMBANTOTA	06 07 N	81 08 E	20		1009.1	1010.8	27.1	+ 1.0	28.4		1	7	- 94	1	
BURMA															
MYITKYINA	25 22 N	97 24 E	147		1001.1	1018.8	17.9		15.4		2	14			
MANDALAY	21 59 N	96 06 E	76		1008.8	1017.8	21.6		15.4		0	1			
MEIKTILA	20 50 N	95 50 E	220			U									
AKYAB	20 08 N	92 53 E	5		1010.9	1015.6	22.0		16.2		1	7			
RANGOON	16 46 N	96 10 E	23		1012.5	1014.6	26.3		19.4		1	2			

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS 1 MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
ASIA															
THAILAND															
UBON RATCHATHANI	15 15 N	104 53 E	127			U									
MALAYSIA															
PENANG/BAYAN LEPAS	05 18 N	100 16 E	4	31	1010.1	1010.5	27.3	+ 0.4	26.9	+0.2	4	66	- 6	2	115
KOTA BHARU	06 10 N	102 17 E	5	31	1011.6	1012.2	25.5	- 0.1	26.6	-0.1	8	115	- 63	3	125
KUALA LUMPUR/SUBANG	03 07 N	101 33 E	17	31	1008.4	1010.9	26.3	+ 0.1	27.2	-0.9	8	45	-133	1	110
KUALA LUMPUR/PETALING JAYA	30 06 N	101 39 E	57			U									
KUANTAN	03 47 N	103 13 E	16	31	1010.1	1011.9	24.9	+ 0.3	26.6	+0.2	13	86	-266	1	120
MALACCA	02 16 N	102 15 E	11	31	1009.9	1010.9	26.8	+ 0.9	27.1	-0.3	8	61	- 40	2	135
KUCHING	01 29 N	110 20 E	27	31	1008.2	1010.8	25.2	+ 0.1	28.3	+0.1	26	735	+ 73	4	120
KOTA KINABALU	05 57 N	116 03 E	7	31	1009.7	1010.0	26.3	+ 0.7	27.6	-0.1	5	62	- 65	2	115
SINGAPORE															
SINGAPORE/CHANGI AIRPORT	01 22 N	103 59 E	16	31	1009.1	1010.9	26.6		28.0		5	111		1	166
CHINA															
HAILAR	49 13 N	119 45 E	614		947.9	1031.7	-27.0		0.6		3	4		4	90
QIQIHAR	47 23 N	123 55 E	147		1007.1	1027.4	-21.4		0.8		0	2		4	90
ALTAY	47 44 N	88 05 E	735		943.1	1040.3	-17.8		1.3		2	9		3	105
URUMQI	43 54 N	87 28 E	654		920.5	1038.1	-14.1		1.7		0	4		2	60
YINING	43 57 N	81 20 E	664		947.8	1032.9	-10.9		2.3		3	12		2	105
EREN	43 39 N	112 00 E	966		910.3	1034.8	-17.8		0.9		0	T		2	95
YANJI	42 53 N	129 28 E	178		1002.7	1026.8	-16.5		1.1		3	4		3	95
HAMI	42 49 N	93 31 E	739		941.0	1035.0	- 9.7		1.4		0	0		2	105
SHENYANG	41 49 N	123 33 E	43		1022.9	1028.7	-13.2		1.3		2	12		4	80
BEIJING	39 48 N	116 28 E	32		1021.6	1028.7	- 4.7		1.7		1	2		4	95
JIUQUAN	39 46 N	98 31 E	1478		857.0	1035.1	- 9.2		1.5		0	T		2	100
KASHI	39 28 N	75 59 E	1291		877.9	1034.4	- 7.2				1	2		4	95
RUOQIANG	39 02 N	88 10 E	889		924.3	1036.5	- 7.9		1.8		0	T		2	
YINCHUAN	38 29 N	106 13 E	1113		896.2	1032.7	- 7.5		1.8		0	T		1	85
TAIYUAN	37 47 N	112 33 E	779		933.7	1030.7	- 5.6		2.1		1	3		3	45
HOTAN	37 08 N	79 56 E	1375		868.4	1033.1	- 5.9		2.4		0	T		2	110
DULAN	36 20 N	98 02 E	3192		688.6		- 8.8		0.9		1	2		3	100
QINGDAO	36 04 N	120 20 E	77		1018.7	1028.7	- 1.5		3.8		1	5		3	105
LANZHOU	36 03 N	103 53 E	1518		851.9		- 5.1		2.0		0	T		2	65
ZHENGZHOU	34 43 N	113 39 E	111		1014.4	1028.7	- 0.7		3.8		1	5		3	85
XI'AN	34 18 N	108 56 E	398		979.7	1029.7	- 0.5		4.1		1	2		2	65
SHANGHAI	31 10 N	121 26 E	5		1026.8	1027.6	3.9		6.1		5	29		3	105
YICHANG	30 42 N	111 05 E	131		1011.1	1028.0	4.6		6.0		3	9		2	65
CHENGDU	30 40 N	104 01 E	508		964.3	1025.8	5.8		7.8		3	6		3	50
LHASA	29 42 N	91 08 E	3659		650.0		- 1.5		1.4		1	2		5	95
NANCHANG	28 40 N	115 58 E	50		1020.4	1026.2	5.0		6.9		7	30		2	90
XICHANG	27 53 N	102 18 E	1592		837.3		9.6		4.8		1	9		4	110
ZHIJIANG	27 27 N	109 38 E			992.6	1026.3	5.1		6.4		3	16		1	125
GANZHOU	25 50 N	114 50 E	125		1010.0	1025.5	7.7		8.4		9	25		2	50
TENGCHONG	25 07 N	98 29 E	1649		873.1		8.1		6.6		2	4		2	90
SHANTOU	23 24 N	116 41 E	3		1021.1	1021.5	13.5		12.1		1	9		2	85
GUANGZHOU	23 08 N	113 19 E	7		1020.6	1021.5	13.0		10.9		6	38		4	55
NANNING	22 49 N	108 21 E	73		1012.5	1021.5	11.1		11.2		11	41		3	35
MENGZI	23 23 N	103 23 E	1302		870.8	1015.6	12.9		10.0		1	22		4	110
PHILIPPINES															
BASCO	20 27 N	121 58 E	11	31	1015.2	1016.4	23.1	+ 1.2	24.9	+2.9	22	188	+ 1	3	
APARRI	18 22 N	121 38 E	4	31	1013.6	1013.9	24.4	+ 1.1	26.4	+3.0	8	24	-124	1	
DAGUPAN	16 03 N	120 20 E	2	31	1012.8	1013.0	25.1	- 1.0	23.4	0.0	0	0	- 4	1	
MANILA INT. AIRPORT	14 31 N	121 00 E	15	31	1012.2	1013.4	24.4	- 0.9	24.9	+1.5	0	0	- 16	1	
TAYABAS	14 02 N	121 35 E	158	31	987.9	1009.7	26.0	+ 1.7	22.0	-2.9	18	88	- 64		
DAET	14 08 N	122 59 E	4	31	1012.6	1013.1	25.6	+ 0.3	26.4	0.0	22	345	- 17	4	
CALAPAN	13 25 N	121 11 E	40	31	1007.3	1011.9	24.5	- 0.9			16	44	- 70		
LEGASPI	13 08 N	123 44 E	19	31	1009.7	1011.6	24.6	- 0.9	28.1	+1.7	26	306	+ 4	3	
ROMBLON	12 35 N	122 16 E	47	31	1006.5	1011.9	24.5	- 1.5	28.1	+1.7	10	89	- 30		
CATARMAN	12 29 N	124 38 E	6	31	1009.0	1009.7	25.6	- 0.4			27	931	+537		
CATBALOGAN	11 47 N	124 53 E	5	31	1010.2	1010.8	25.2	- 0.9			24	384	+169		
TACLOBAN	11 15 N	125 00 E	21	31	1010.2	1010.5	25.5	- 0.5	28.1	+1.7	16	537	+290	5	
ILOILO	10 42 N	122 34 E	14	31	1011.1	1012.0	26.0	- 0.3	26.4	0.0	17	38	- 4	3	
MACTAN	10 18 N	123 58 E	9	31	1007.9	1009.3	26.7	0.0	29.8	+3.4	9	151	+ 40		
DIPLOG	08 36 N	123 21 E	5	31	1009.6	1010.2	26.8	- 0.1			16	161	+ 16	4	
TAGBILARAN	09 36 N	123 51 E	6	31	1010.0	1010.7	25.6	- 0.4	28.1	0.0	13	150	+ 46		
CAGAYAN DE ORO	08 29 N	124 38 E	6	31	1008.2	1008.9	26.1	- 0.2			10	184	+ 89		
DAVAO AIRPORT	07 07 N	125 39 E	25	31	1007.4	1009.4	26.8	- 0.5	28.1	+1.7	7	66	- 59		
ZAMBOANGA	06 54 N	122 04 E	6	31	1009.5	1010.2	27.4	- 0.8			5	6	- 43	0	
AUSTRALASIA															
INDONESIA															
SABANG	05 52 N	95 19 E	126	31	997.8	1012.2	26.3		26.6		15	150	-237		
MEDAN/POLONIA	03 34 N	98 41 E	25	31	1007.5	1010.7	26.2		27.4		13	40	-125		
GUNUNG SITOLI/BINAKA	01 16 N	97 37 E	6	31	1009.3	1010.3	25.7		27.6		20	174			
SIBOLGA/PINANGSORE	01 33 N	98 53 E	3	31	1008.7	1009.4	25.9		26.5		11	144	- 81		
TANJUNGPINANG/KIJANG	00 55 N	104 32 E	18	31	1009.6	1011.9	25.6		26.8		13	130	-229		
TAREMPA	03 12 N	106 15 E	3	31	1008.2	1008.6	26.2		27.6		11	110	-110		
RENGAT/JAPURA	00 26 S	102 27 E	46	31	1009.4	1011.9	25.7		27.6		12	223	- 34		

SURFACE DATA

JANUARY 1985

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS 1 MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
AUSTRALASIA															
INDONESIA															
JAMBI/PAALMERAH	01 38 S	103 39 E	25	31	1007.8	1011.1	26.1		28.5		15	339	+ 84		
PALEBANG/TALANGBETUTU	02 54 S	104 42 E	10	31	1009.5	1011.0	25.5		27.4		16	180	- 74		
PANGKALPINANG	02 10 S	106 08 E	33	31	1006.3	1010.5	25.3		27.5		20	207	- 69		
BELAWAN	03 48 N	98 42 E	3	31	1010.4	1011.0	26.6		29.7		5	61			
BENGKULU/PADANGKEMILING	03 52 S	102 20 E	16	31	1007.4	1009.5	26.0		28.9		19	402	+ 96		
TELUKBETUNG/BERANTI	05 16 S	105 11 E	96	31	1000.0	1001.1	26.3		26.5		15	251	- 17		
SERUI/YENDOSA	01 52 S	136 14 E	3	31	1007.0	1007.7	27.1		29.1		12	134	-151		
PONTIANAK/SUPADIO	00 01 S	109 23 E	0	31	1009.5	1010.2	26.2		29.1		14	258	- 14		
KETAPANG/RAHADI USMAMAN	01 51 S	109 58 E	9	31	1010.3	1011.6	26.5		29.2		20	143			
JAKARTA/KEMAYORAN	06 09 S	106 51 E	5	31	1010.0	1010.8	26.5		29.2		10	299	- 81		
BOGAR/ATANGSENJAYA	06 33 S	106 54 E	171	31	989.7	1009.6	25.2		27.4		23	350			
JAKARTA HALIM PERDANAKUSUMA	06 15 S	106 54 E	30	31	1007.0	1010.7	25.9		28.5		16	396	+112		
TEGAL	06 51 S	109 09 E	10	31	1010.6	1011.3	26.5		30.1		19	307	- 74		
CILACAP	07 44 S	109 01 E	6	31	1010.2	1011.2	26.9		29.9		18	325	- 20		
SEMARANG	06 58 S	110 25 E	3	31	1009.8	1010.3	26.9		29.0		17	177			
MENADO/DR SAM RATULANGI	01 32 N	124 55 E	80	31	1001.5	1011.1	25.7		28.6		28	371	- 22		
GORONTALO/JALALUDDIN	00 31 N	123 04 E	2	31	1006.5	1008.9	25.9		28.4		21	169	+ 71		
PALU/MUTIARA	00 41 S	119 44 E	6	31	1000.8	1011.0	26.5		26.0		4	34	-138		
TERNATE/BABULLAH	00 47 N	127 23 E	23	31	1006.2	1009.2	26.9		30.3		18	129	- 79		
SANANA	02 05 S	126 00 E	2	31	1009.6	1010.9	27.0		29.7		14	142	+ 18		
AMBON	03 42 S	128 05 E	12	31	1007.4	1009.0	28.9		28.3		18	164	+ 35		
AMAHAI	03 21 S	128 53 E	10	31	1008.1	1009.5	26.5		28.0		11	89			
TUAL/DUMATUBUN	05 41 S	132 45 E	12	31	1008.3	1009.0	26.6		29.9		21	164	-225		
NEW ZEALAND															
KAITAIA AERODROME	35 04 S	173 17 E	80		1003.3	1012.5	19.5		17.6		6	80		4	103
AUCKLAND AERODROME	37 01 S	174 48 E	6		1011.4	1012.2	20.2		18.3		9	83		4	116
GISBORNE AERODROME	38 40 S	177 59 E	8		1010.0	1011.0	19.9		17.0		7	30		1	111
NEW PLYMOUTH AERODROME	39 01 S	174 11 E	36		1007.3	1011.0	18.5		17.2		14	223		5	101
WELLINGTON	41 17 S	174 46 E	128		993.3	1008.5	18.0		15.8		10	138		5	122
CHRISTCHURCH AERODROME	43 29 S	172 32 E	34		1000.7	1004.8	18.9		12.7		4	9		1	131
HOKITIKA AERODROME	42 43 S	170 59 E	40		1003.3	1008.6	16.2		15.6		18	264		4	89
INVERCARGILL AERODROME	46 25 S	168 20 E	1		1003.3	1003.5	15.0		13.2		13	175		5	79
NORTH PACIFIC															
LIHUE, KAUAI, HAWAII	21 59 N	159 21 W	45	31	1010.2	1015.4	21.5	- 0.3	18.0		10	70	- 89	2	123
HONOLULU, OAHU, HAWAII	21 21 N	157 56 W	5	31	1014.9	1015.3	21.9	- 0.7	19.0		4	37	- 59	2	103
HILO/GEN. LYMAN, HAWAII	19 43 N	155 04 W	11	31	1014.2	1015.6	21.0	- 0.9	17.1		5	57	-182	1	138
WAKE ISLAND	19 17 N	166 39 E	4	31	1014.2	1014.5	26.2	+ 1.3	24.3		5	21	- 9	3	106
GUAM, TAGUAC, MARIANA IS.	13 33 N	144 50 E	111	31	997.6	1010.2	25.4	+ 0.3	27.4		17	207	+ 69	5	74
YAP, CAROLINE ISLANDS	09 29 N	138 05 E	17	31	1005.4	1007.4	27.0	+ 0.2	31.3		21	367	+166	5	53
KWAJALEIN, MARSHALL IS.	08 43 N	167 44 E	8	31	1009.1	1010.0	27.9	+ 0.5				58	- 67		
TRUK, CAROLINE ISLANDS	07 28 N	151 51 E	2	31	1008.8	1009.0	27.5	+ 0.2	29.5		19	432	+219	6	57
KOROR, PALAU ISLANDS	07 20 N	134 29 E	33	31	1004.4	1008.1	27.2	+ 0.1	30.1		17	336	+ 53	4	102
MAJURO, MARSHALL ISLANDS	07 05 N	171 23 E	3	31	1009.5	1009.8	27.1	0.0	28.8		15	221	+ 18	4	89
PONAPE, CAROLINE ISLANDS	06 58 N	158 13 E	46	31	1003.1	1008.2	27.4	+ 0.3	29.6		20	377	+ 89	4	64
TARAWA, GILBERT ISLANDS	01 21 N	172 55 E	4		1008.3	1008.7	28.1		29.5		4	32		1	
SOUTH PACIFIC															
ATUONA, MARQUESAS ISLAND	09 48 S	139 02 W	52	31	1005.5	1011.5	26.2		25.7		15	74		3	105
PAGO PAGO, SAMOA	14 20 S	170 43 W	3	31	1007.8	1008.1	26.8	- 0.3	29.9		20	424	+100	4	74
RANGIROA	14 58 S	147 40 W	4	31	1011.1	1011.5	27.2		28.3		21	273		3	85
TAKAROA, TUAMOTU IS.	14 29 S	145 02 W	3	31	1011.4	1011.7	27.6		30.1		12	186		3	100
PUKA-PUKA, TUAMOTU IS.	14 48 S	138 49 W	3	31	1012.0	1012.4	27.3		28.3		16	209		5	100
HAO, TUAMOTU IS.	18 04 S	140 57 W	3	31	1012.6	1013.0	26.9		28.3		19	239		5	85
HEREHERETUE, TUAMOTU IS.	19 52 S	145 00 W	3	31	1012.5	1012.9	26.8		29.3		20	293		4	90
BORA-BORA, SOCIETY IS.	16 29 S	151 45 W	3	31	1010.5	1010.8	26.8		29.7		23	461		5	75
TAHITI, SOCIETY IS.	17 33 S	149 37 W	2	31	1011.0	1011.3	26.6		28.5		16	436		4	75
NANDI, FIJI IS.	17 45 S	177 27 E	18		1005.7	1007.8	27.0		26.1		5	251		3	136
NAUSORI	18 03 S	178 34 E	5		1006.8	1007.9	25.5		25.8		12	494		5	
RAROTONGA, COOK IS.	21 12 S	159 49 W	7		1008.6	1009.4	26.0		29.3		16	356		4	104
TOTEGEGIE, GAMBIER IS.	23 06 S	134 52 W	3	31	1005.8	1015.9	24.8		26.5		12	213			
MUROROA	21 49 S	138 49 W	3	31	1014.4	1014.8	26.5		28.7		16	239		5	95
TUBAI, AUSTRAL IS.	23 21 S	149 29 W	3	31	1012.4	1012.7	25.4		28.4		18	203		3	85
RAPA, AUSTRAL IS.	27 37 S	144 20 W	6	31	1014.1	1014.4	24.0		25.2		17	270		3	90
RADUL IS.,KERMADEC IS.	29 15 S	177 55 W	49		1006.5	1012.2	22.7		22.2		5	16		1	118
CHATHAM ISLAND	43 57 S	176 34 W	48		1005.3	1011.0	16.9		15.9		5	14		1	126
CAMPBELL ISLAND	52 33 S	169 09 E	19		998.8	1001.1	10.6		10.8		21	136		3	82
OCEAN SHIPS STATIONS															
SHIP L	57 00 N	20 00 W		31		1008.4	7.7 S 9.5		8.3						
SHIP R	47 00 N	17 00 W			1008.8		11.1 S12.2		11.1						

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		%
AUGUST 1984															
AFRICA															
TUNISIA															
TUNIS CARTHAGE	36 50 N	10 14 E	4	31	1015	1015	25.9	- 0.9	21.5	-1.0	2	8	- 3	4	
SEPTEMBER 1984															
AFRICA															
TUNISIA															
TUNIS CARTHAGE	36 50 N	10 14 E	4	30	1014	1015	23.6	- 1.0	19.2	-2.2	3	27	- 3	4	
MADAGASCAR															
DIEGO-SUAREZ	12 21 S	49 18 E	105	30	1003.7	1015.7	23.7	- 0.1	19.9	+0.1	3	6	0	4	104
TULEAR	23 23 S	43 44 E	8	30		1015.7	22.3	0.0	18.3	-1.3	0	0	- 9	3	96
TAMATAVE	18 07 S	49 24 E	6	30	1018.1	1018.7	20.8	- 0.4	21.4	+0.3	8	52	- 76	1	102
ANTANANARIVO/IVATO	18 48 S	47 29 E	1276	30	876.9	1540 Y	16.8	+ 0.8	12.7	-0.4	1	4	- 6		109
OCTOBER 1984															
AFRICA															
TUNISIA															
TUNIS CARTHAGE	36 50 N	10 14 E	4	31	1018	1018	19.4	- 1.0	16.5	-1.0	6	64	- 3	3	
MADAGASCAR															
DIEGO-SUAREZ	12 21 S	49 18 E	105	31	1003.4	1015.5	24.9	0.0	21.4	0.0	3	9	- 2	4	103
TULEAR	23 23 S	43 44 E	8	31	1014.7	1015.6	24.2	+ 0.4	22.9	+1.0	2	9	- 5	4	99
TAMATAVE	18 07 S	49 24 E	6	31	1018.5	1019.1	22.5	0.0	23.4	+0.8	17	166	+ 78	5	89
ANTANANARIVO/IVATO	18 48 S	47 29 E	1276	31	877.8	1550 Y	18.0	- 0.1	14.6	+0.3	8	79	+ 34		95
NOVEMBER 1984															
EUROPE															
GERMAN DEMOCRATIC REP															
WARNEMUNDE	54 11 N	12 05 E	10	30	1011.0	1012.2	4.5	- 0.6	7.7	-0.3	6	46	0	4	122
GREIFSWALD	54 06 N	13 23 E	5	30	1012.6	1013.4	4.5	0.0	7.2	-0.3	7	45	+ 9	4	123
POTSDAM	52 23 N	13 04 E	94	30	1001.8	1013.5	4.1	- 0.1	6.7	-0.8	6	48	+ 2	3	143
LINDENBERG	52 13 N	14 07 E	99	30	1000.2	1014.1	3.6	- 0.3	6.9	-0.4	7	33	- 10	3	153
LEIPZIG-SCHKEUDITZ	51 25 N	12 14 E	133	30	996.5	1012.9	5.0	+ 0.5	7.5	+0.3	4	33	- 6	3	170
DRESDEN-KLOTZSCHE	51 08 N	13 46 E	226	30	986.1	1013.9	5.4	+ 1.1	7.5	+0.4	8	37	- 5		139
GORLITZ	51 10 N	14 57 E	238	30	985.5	1014.8	4.3	+ 0.4	7.0	-0.1	6	37	- 9	3	144
ERFURT-BINDERSLEBEN	50 59 N	10 58 E	323	30	973.5	1013.0	4.1	+ 0.3	7.1	-0.1	5	43	+ 9	4	151
MEININGEN	50 33 N	10 22 E	456	30	958.6	1013.5	3.2	+ 1.0	6.8	+0.1	8	61	+ 15		
FICHTELBERG	50 26 N	12 57 E	1215	30	873.5	1435 Y	2.1	+ 3.0	5.0	-0.5	8	45	- 29	2	201
ROMANIA															
CLUJ	46 47 N	23 34 E	415	30	969.7	1020.1	3.1	- 0.7	6.8	+0.1	7	25	- 7		119
BISTRITA	47 09 N	24 31 E	366	30	975.9	1021.0	3.0	- 0.6	6.5	-0.6	12	47	- 5	4	
IASI	47 10 N	27 36 E	103	30	1009.2	1022.2	2.9	- 1.1	6.6	-0.6	12	40	+ 1	4	93
TIMISOARA	45 46 N	21 15 E	91	30	1008.4	1019.3	6.2	+ 0.2	7.7	-0.2	10	42	- 16	2	192
SIBIU	45 48 N	24 09 E	452	30	966.4	1020.4	3.7	- 0.5	6.7	+0.5	5	18	- 15	2	128
BUCURESTI/FILARET	44 25 N	26 06 E	82	30	1011.1	1021.3	5.1	- 0.4	7.7	-0.3	7	54	+ 11	4	
SULINA	45 09 N	29 40 E	9	30	1019.5	1020.6	7.2	+ 0.3	8.9	+0.1	5	29	- 5	3	74
AFRICA															
TUNISIA															
TUNIS CARTHAGE	36 50 N	10 14 E	4	30	1014	1015	17.2	+ 1.2	13.7	+0.1	4	35	- 16	3	
ZIMBABWE															
BULAWAYO/GOETZ OBS	20 09 S	28 37 E	1345	30	867.6	1519 Y	20.4	- 1.2	15.7	+1.9	10	142	+ 53	5	101
HARARE/KUTSAGA OBS	17 56 S	31 06 E	1479	30	854.3	1520 Y	19.9	- 0.9	15.6	+1.5	12	118	+ 18	4	96
CHIPINGA	20 12 S	32 37 E	1132	30	890.8	1522 Y	19.2	- 1.0	17.6	+0.5	14	261	+131	5	96
MADAGASCAR															
DIEGO-SUAREZ	12 21 S	49 18 E	105	30	1000.9	1013.0	26.0	- 0.1	24.0	0.0	6	101	+ 67	5	86
TULEAR	23 23 S	43 44 E	8	30	1011.8	1012.7	25.0	- 0.1	24.8	+0.7	1	10	- 19	3	95
TAMATAVE	18 07 S	49 24 E	6	30	1014.8	1015.4	24.4	0.0	26.9	+1.3	12	169	- 10	4	96
ANTANANARIVO/IVATO	18 48 S	47 29 E	1276	30	875.7	1534 Y	19.5	- 0.1	17.1	+0.2	15	218	+ 40		96
ASIA															
INDIA															
BOMBAY/COLABA	18 54 N	72 49 E	11	30	1011.5	1012.7	27.9	+ 0.4	23.0	-1.5	0	0	- 21	2	104
POONA	18 32 N	73 51 E	559	30	951.1	1013.8	20.5	- 1.1	13.7	-1.6	1	1	- 36	2	113
GOA/PANJIM	15 29 N	73 49 E	60	30	1004.6	1011.4	27.7	+ 0.4	21.5		2	7	- 29	2	

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		%
MARCH 1983															
ASIA															
ISRAEL															
EILAT	29 33 N	34 57 E	13												
AUGUST 1984															
NORTH AMERICA															
CANADA-WESTERN															
CAMBRIDGE BAY	69 06 N	105 07 W	27			1007.0									
WHITEHORSE	60 43 N	135 04 W	703												109
SANDSPIT	53 15 N	131 49 W	6									88	+ 40		
CANADA-EASTERN															
CHURCHILL	58 45 N	94 04 W	29				14.1	+ 2.6							
MONTREAL/DORVAL INT AP	45 28 N	73 45 W	36										+ 25	4	
OCTOBER 1984															
ASIA															
JAPAN															
SHIMIZU/ASHIZURI	32 43 N	133 01 E	32									240	+ 8	3	

UPPER AIR DATA

JANUARY 1985

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	1,018		-22.0	3.7					1,373	0	-12.4	7.6	0	72	103	8	2,842	0	-18.1	6.2	0	35	143	3	5,281	0	-33.4	6.3	0	69	226	7	8,688	1	-55.4		1	76	230	11
		1,293	1	-50.8		1	87	235	8	13,170	1	-50.6		1	81	245	7	15,799	1	-52.9		1	73	262	5	20,201	7	-56.1		7	82	332	8	23,474	15	-54.7		15	82	353	10
BARTER ISLAND	2	1,015		-22.1	3.8					1,365	0	-9.6	7.4	0	54	116	4	2,848	0	-16.1	7.1	0	38	243	3	5,305	0	-32.2	7.0	0	76	261	10	8,730	0	-55.0		0	77	261	13
		1,327	0	-52.0		0	90	261	11	13,194	0	-51.9		0	90	267	10	15,814	1	-54.7		1	91	281	9	20,172	5	-59.4		5	94	330	10	23,373	9	-58.5		9	86	2	12
KOTZEBUE	2	1,006		-8.9	3.3					1,325	2	-6.8	5.1	3	73	136	6	2,817	2	-15.4	7.2	2	60	152	5	5,279	2	-32.0	7.3	2	61	187	7	8,701	2	-54.8		2	53	201	9
		1,305	2	-51.3		2	76	186	8	13,183	2	-50.0		2	78	182	8	15,820	2	-52.4		2	62	193	5	20,275	4	-55.6		5	13	333	1	23,539	11	-56.3		12	46	358	3
NOME	2	1,001		-4.0	3.4					1,294	0	-6.0	5.5	0	72	128	7	2,790	0	-14.8	7.8	0	72	138	7	5,254	0	-31.7	7.0	0	70	161	9	8,683	0	-54.7		0	64	179	10
		1,284	1	-51.4		2	83	169	9	13,157	2	-49.7		2	81	166	9	15,802	2	-52.1		2	74	172	6	20,256	7	-54.5		7	29	134	2	23,512	9	-55.5		9	53	24	4
FAIRBANKS	2	992		-12.1	1.9					1,353	0	-3.6	7.2	1	55	158	4	2,863	0	-12.7	8.3	0	70	212	7	5,347	0	-29.4	8.4	0	76	226	11	8,799	1	-53.8		2	72	223	17
		1,396	1	-52.8		3	81	224	11	13,260	2	-51.5		3	82	223	10	15,876	2	-54.3		2	81	239	7	20,274	3	-59.0		3	74	298	5	23,471	3	-59.9		3	87	354	8
MCGRATH	2	993		-11.5	2.5					1,328	0	-3.7	7.9	2	56	150	7	2,837	0	-13.0	8.5	2	71	172	9	5,315	0	-30.4	7.3	1	77	175	11	8,752	0	-53.8		1	70	190	14
		1,350	0	-52.1		1	83	187	13	13,222	0	-50.7		1	80	190	11	15,849	1	-53.3		3	82	202	8	20,265	2	-57.3		5	40	252	3	23,486	10	-58.7		12	71	2	6
BETHEL	2	993		-3.4	2.9					1,277	0	-4.3	4.5	1	74	151	9	2,779	0	-14.1	6.7	0	75	151	9	5,247	0	-31.3	6.5	2	72	154	11	8,682	0	-53.8		3	68	158	13
		1,281	1	-51.2		3	87	167	12	13,159	1	-50.0		3	84	173	11	15,802	1	-51.9		3	77	173	9	20,252	1	-55.8		2	43	169	3	23,482	2	-57.8		3	35	24	2
ANCHORAGE	2	1,001		-1.8	2.7					1,349	0	-3.4	5.3	8	71	136	6	2,858	0	-12.2	7.2	5	79	148	10	5,347	0	-29.4	6.1	4	78	170	12	8,804	1	-53.2		2	83	195	19
		1,406	2	-53.2		2	83	203	14	13,268	2	-51.9		2	86	203	12	15,877	3	-54.8		3	82	209	9	20,263	3	-59.6		3	47	251	3	23,458	4	-61.7		4	69	346	5
ST. PAUL	2	986		1.1	2.3					1,192	0	-5.4	2.7	0	65	128	9	2,689	0	-14.9	8.4	1	67	139	9	5,153	1	-31.7	7.9	1	65	139	11	8,581	1	-53.3		1	58	143	11
		1,206	1	-49.7		1	80	148	11	13,095	1	-48.5		1	85	155	11	15,763	1	-49.3		1	81	156	9	20,261	3	-53.5		3	54	144	4	23,534	5	-56.1		5	39	91	3
COLD BAY	2	986		2.0	2.1					1,213	2	-4.4	4.0	8	75	148	13	2,716	2	-13.9	8.1	7	73	158	14	5,186	2	-31.4	8.5	4	68	160	14	8,618	4	-52.5		6	61	172	15
		1,246	5	-49.4		8	87	164	14	13,136	5	-49.1		8	90	165	14	15,786	6	-50.6		7	88	169	12	20,259	7	-55.9		7	62	169	5	23,483	11	-58.8		11	14	29	1
KING SALMON	2	996		1.6	3.1					1,283	0	-4.1	3.1	2	69	142	10	2,790	0	-12.7	5.7	1	67	156	10	5,272	0	-29.9	6.3	3	72	153	11	8,724	0	-52.5		5	62	165	14
		1,338	1	-51.7		6	85	179	14	13,216	2	-50.4		8	89	180	13	15,845	4	-52.2		7	80	191	10	20,278	4	-57.0		6	56	204	4	23,509	6	-58.7		8	47	30	3
YAKUTAT	2	1,012		3.0	1.9					1,409	0	-3.2	2.6	1	77	163	10	2,926	0	-10.8	5.7	0	69	200	10	5,438	0	-26.2	6.8	0	73	218	15	8,941	0	-51.5		7	72	232	21
		1,527	1	-55.3		7	77	240	15	13,370	1	-54.7		6	83	246	14	15,948	1	-57.3		5	80	253	10	20,297	7	-61.8		9	74	315	5	23,473	14	-63.2		15	90	353	6
ANNETTE ISLAND	2	1,017		5.3	2.6					1,486	0	-0.8	4.6	3	68	189	9	3,021	0	-7.4	6.2	1	68	225	12	5,570	0	-22.3	7.2	2	70	243	15	9,126	0	-49.1		7	63	258	21
		1,694	0	-60.7		10	74	266	21	13,503	0	-57.3		11	78	277	15	16,056	1	-59.6		11	80	289	11	20,346	8	-64.4		12	90	327	10	23,495	20	-65.5		22			
CANADA-WESTERN																																									
MOULD BAY	2	1,014		-30.7	1.9					1,358	0	-19.5	5.3	0	59	360	6	2,788	0	-24.7	7.3	0	53	353	6	5,171	0	-38.4	7.0	0	46	335	7	8,544	0	-53.4	8.0	0	52	321	9
		1,165	0	-51.3		0	76	321	10	13,029	0	-52.5		0	85	329	11	15,633	0	-55.1		0	95	340	13	20,017	1	-57.9		0	90	3	15	23,246	3	-56.5		1	83	20	16
SACHS HARBOUR	2	1,011		-27.4	2.4					1,375	0	-16.8	7.0	0	38	4	3	2,822	0	-21.7	8.3	0	54	330	6	5,237	0	-35.2	7.8	0	70	307	11	8,635	0	-53.8	7.6	0	86	298	17
		1,248	0	-51.5		0	91	304	15	13,112	0	-52.7		0	94	309	15	15,709	0	-56.0		0	95	321	14	20,100	3	-59.7		0	96	346	14	23,327	7	-59.0		0	90	6	16
CAMBRIDGE BAY	2	1,017		-31.9	3.0					1,341	1	-20.4	7.0	0	42	321	5	2,770	1	-24.4	7.1	0	49	321	7	5,163	1	-37.0	8.2	0	55	326	11	8,552	1	-53.3	8.3	1	55	325	12
		1,160	1	-53.2		2	72	332	13	13,008	1	-54.9		2	83	335	14	15,588	2	-58.2		1	90	345	15	19,929	4	-61.4		2	92	359	17	23,192	8	-59.8		5	87	15	17
INUVIK	2	1,005		-20.3	3.1					1,382	2	-10.2	7.0	0	24	213	3	2,862	1	-15.6	7.3	0	69	280	5	5,328	1	-30.9	7.5	0	90	283	12	8,768	2	-53.9	7.6	0	89	278	21
		1,364	2	-52.2		0	92	281	17	13,223	2	-52.7		0	94	287	15	15,826	2	-55.9		0	95	297	13	20,209	4	-60.1		2	95	330	12	23,397	4	-60.0		3	91	357	13
NORMAN WELLS	2									1,396	1	-8.1	6.8	0	49	273	4	2,886	1	-15.2	6.0	0	88	291	9	5,360	1	-29.6	7.7	0	90	290	16	8,815	1	-53.4	7.6	0	89	283	27
		1,396	1	-55.1		0	91	289	22	13,238	1	-54.5		0	92	296	18	15,813	1	-58.0		0	93	305	17	20,171	4	-61.7		2	92	333	15	23,325	5	-62.4		3	87	353	14
WHITEHORSE	2	930		-4.6	2.7					1,413	0	-3.6	3.3	0	82	176	7	2,928	0	-10.5	5.1	0	81	233	11	5,446	0	-25.4	7.4	0	82	245	16	8,952	0	-51.8	7.6	0	83	245	26
		1,517	0	-57.0		2	84	253	20	13,346	0	-55.6		2	83	260	15	15,913	0	-58.1		1	87	273	12	20,243	4	-63.1		3	86	317	10	23,365	7	-64.1		4	93	348	10
FORT NELSON	2									1,442	6	-4.8	7.4	0	81	294	7	2,952	6	-12.0	7.3	0	93	296	13	5,463	6	-25.6	7.8	0	89	294	20	8,981	6	-50.8	8.0	0	88	293	30
		1,540	6	-59.8		0	89	293	28	13,338	6	-57.8		0	92	301	22	15,902	12	-59.7		1	91	311	18					4	89	319	18								
FORT SMITH	3									1,403	0	-11.1	5.8	0	62	316	6	2,882	0	-15.5	9.4	0	86	317	12	5,352	0	-29.5	8.1	0	91	317	21	8,823	0	-52.5	7.5	0	93	316	33
		1,396	0	-56.8		1	92	317	28	13,221	0	-56.3		1	93	321	24	15,773	0	-60.4		1	92	324	21					5	87	339	16								
PRINCE GEORGE	2	944		-5.8	1.2					1,502	0	-3.7	5.2	0	72	232	6	3,026	0	-8.1	9.9	0	83	286	10	5,565	0	-23.5	10.5	0	84	297	16	9,107	0	-49.5	8.8	0	82	299	47
		1,671	0	-61.7		1	85	293	24	13,461	0	-59.4		1	90	298	19	15,987	0	-61.6		1	91	303	18	20,233	1	-66.6		1	88	328	14	23,286	4	-68.5		5	86	347	14
EDMONTON STONY PLAIN	2	929		-8.7	4.0					1,467	0	-4.1	7.4	0	79	306	10	2,981	0	-10.8	6.6	0	95	315	15	5,499	0	-25.1	6.7	0	93	320	21	9,021	0	-50.2	7.2	0	91	322	30
		1,583	0	-61.3		0	91	320	28	13,378	0	-58.9		0	93	318	22	15,909	0	-61.2		0	94	320	22	20,141	3	-67.1		0	91	325	18	23,226	10	-67.4		4	80	335	14
THE PAS	2	986		-20.2	3.7					1,391	0	-14.0	5.0	0	82	330	9	2,855	0	-18.4	7.3	0	86	329	13	5,308	0	-31.1	8.4	0	84	331	20	8,758	0	-52.1	8.2	0	87	331	27
		1,346	0	-56.5		0	93	327	25	13,172	0	-56.4		0	94	326	23	15,725	0	-60.1		0	93	324	21	20,007	2	-64.3		0	83	319	16	23,160	6	-62.3		3	39	307	8
VERNON	2	962		-4.7	2.2					1,524	0	-6.3	0.9	0	35	240	2	3,044	0	-7.0	10.4	0	78	310	9	5,594	0	-22.4	11.5	0	79	311	14	9,150	0	-48.7	10.2	3	74	299	17
		1,727	1	-62.3		4	79	301	18	13,510	1	-59.8		5	89	303	17	16,032	1	-62.3		5	93	308	16	20,250	1	-67.7		5	92	321	15	23,313	6	-67.9		6	88	324	14
PORT HARDY	2	1,022		3.4	1.6					1,512	0	1.4	10.1	0	50	204	5	3,058	0	-5.2	12.9	0	57	249	7	5,626	0	-20.7	11.1	0	63	263	12	9,200	0	-48.1	8.1	0	63	277	16
		1,767	0	-62.8		0	71	278	18	13,550	0	-59.1		0	79	283	15	16,076	0	-61.6		0	85	292	14	20,312	1	-66.9		0	89	316	11	23,398	7	-67.2		0	81	329	12
CANADA-EASTERN																																									
ALERT	2	1,013		-30.0	2.3					1,345	0	-21.7	6.5	0	25	52	2	2,763	0	-26.1	7.3	0	18	144	2	5,132	0	-39.4	6.9	0	25	217	4	8,497	0	-54.0	7.5	0	34	221	6
		1,104	0	-53.0		0	29	210	4	12,955	0	-53.9		0	17	165	2	15,546	0	-55.8		1	26	100	3	19,928	3	-57.9		1	64	67	9	23,165	5	-57.8		3	74	57	12
EUREKA	2	1,018		-30.1	2.9					1,332	0	-21.2	5.1	0	18	53	1	2,751	0	-26.4	5.4	0	18	53	2	5,118	0	-39.9	6.6	0	3	135	1	8,480	0	-54.1	7.7	0	16	215	3
		1,087	0	-52.7		0	5	97	1	12,938	0	-54.1		0	25	50	3	15,527	0	-56.2		0	52	55	5	19,932	2	-56.9		0	74	51	12	23,214	4	-54.5		1	76	51	15
RESOLUTE	2									1,332	1	-21.9	4.6	1	9	41	1	2,752	1	-25.4	6.0	1	9	11	1	5,131	1	-38.6	7.1	1	11	356	2	8,505	1	-53.7	8.0	1	14	311	3
		1,098	2	-53.3		1	37	2	5	12,942	2	-54.9		1	61	8	6	15,517	4	-57.3		1	82	13	9	19,910	7	-58.8		2	86	28	14	23,129	7	-56.4		2	80	41	16
HALL BEACH	2	1,014		-27.7	2.0					1,307	0	-19.0	6.6	0	20	30	2	2,741	0	-23.9	6.5	0	11	163	1	5,131	0	-38.1	7.2	0	23	155	3	8,497	0	-55.1	7.5	1	29	171	5
		1,069	0	-57.0		1	19	128	2	12,890	0	-57.2		0	30	66	3	15,443	0	-59.1		0	53	53	5	19,766	3	-61.3		1	63	65	5	23,004	6	-58.0		2	45	72	5
BAKER LAKE	3									1,341	1	-20.0	4.5	0	66	337	6	2,772	1	-24.0	6.2	0	54	330	6	5,160	1	-37.8	6.8	0	53	322	10	8,539	1	-53.2	8.0	6	0	326	14
		1,132	1	-55.3		0	73	337	14	12,961	1	-56.2		0	82	341	15	15,512	1	-59.6		0	81	347	16	19,820	3	-62.2		0	78	353	14	22,998	4	-60.3		1	72	358	13
CORAL HARBOUR	2	1,004		-23.6	2.6					1,307	0	-18.4	5.3	0	33	26	3	2,740	0	-24.2	5.5	0	29	35	3	5,125	0	-38.5	6.6	0	22	44	3	8,491	0	-55.1	7.5	0	18	49	3
		1,066	0	-56.7		0	28	31	4	12,886	0	-57.3		1	37	24	5	15,423	1	-59.9		2	53	9	6	19,720	4	-61.5		3	41	16	4	22,942	6	-58.5		6	24	351	2
FROBISHER BAY	2	1,006		-18.0	3.9					1,289	1	-15.5	5.5	0	54	100	6	2,739	1	-21.4	7.1	0	44	110	6	5,150	1	-36.2	7.6	0	48	132	8	8,533	1	-55.9	7.4	0	49	139	13
		1,087	1	-58.0		0	51	141	9	12,901	1	-58.0		0	54	151	7	15,449	1	-59.1		1	57	161	6	19,813	4	-58.5		3	78	184	7	23,028	8	-55.2		4	83	203	9

UPPER AIR DATA

JANUARY 1985

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																																									
CHURCHILL	2	1,015		-24.6	2.6					1,337	0	-18.4	4.5	3	62	341	6	2,778	0	-21.2	6.0	3	56	335	7	5,189	0	-35.5	6.0	3	56	334	10	8,586	0	-54.4	7.1	3	60	335	15
		11,167	0	-55.6		3	76	336	15	12,998	0	-56.5		3	80	336	15	15,547	0	-60.2		3	80	336	15	19,891	5	-61.4		6	66	338	11					9	37	321	6
INOUCDJOUAC	2									1,276	1	-17.8	4.4	0	38	5	4	2,713	1	-23.6	7.0	0	35	351	4	5,107	1	-37.4	7.1	0	25	351	4	8,480	1	-55.9	7.5	0	14	4	3
		11,052	1	-55.9		0	20	330	3	12,880	1	-57.0		0	24	312	4	15,430	1	-59.6		0	38	289	5	19,763	3	-59.7		2	54	252	7	23,007	5	-55.6		4	78	234	10
FORT CHIMO	2	998		-19.8	3.0					1,239	0	-16.4	4.8	0	52	24	6	2,688	0	-21.5	6.0	0	44	64	6	5,099	0	-36.1	6.2	0	41	87	7	8,483	0	-55.0	7.4	0	30	119	6
		11,062	0	-55.6		0	20	162	3	12,895	0	-56.1		0	28	214	4	15,458	0	-58.1		0	55	226	7	19,836	2	-57.1		1	91	226	13	23,107	3	-52.5		2	89	226	17
TROUT LAKE	2	989		-23.0	1.5					1,344	1	-17.6	4.3	0	65	331	7	2,789	1	-21.5	6.4	0	60	334	8	5,209	1	-34.6	6.5	0	57	328	11	8,614	1	-54.4	7.1	0	65	329	16
		11,195	1	-55.3		0	76	324	16	13,030	1	-55.7		0	80	319	17	15,591	1	-59.1		0	82	312	16	19,900	3	-62.0		0	73	300	14	23,143	8	-57.3		6	49	266	10
NITCHEQUON	3	728		-11.2	3.0					1,251	4	-20.5	2.1	0	77	338	8	2,688	4	-22.4	5.2	0	77	342	8	5,105	5	-35.9	5.7	0	47	330	7	8,499	5	-54.1	7.2	1	33	304	7
		11,099	5	-53.6		0	57	280	9	12,947	5	-54.6		0	70	267	11	15,528	5	-57.1		0	78	259	13	19,902	7	-56.9		1	92	254	17	23,158	7	-53.1		1	93	235	20
MOOSONEE	2	1,011		-20.4	2.3					1,301	0	-17.6	2.4	0	74	322	7	2,746	0	-21.5	4.3	0	70	323	8	5,164	0	-34.7	6.0	0	66	313	10	8,562	0	-54.8	7.1	0	62	298	14
		11,150	0	-54.2		0	74	293	15	12,990	0	-55.3		1	76	292	15	15,565	0	-57.5		1	79	286	16	19,902	3	-59.9		1	78	268	16	23,153	5	-55.8		3	79	251	17
SEPT-ILES	3									1,223	1	-15.5	5.0	0	74	322	9	2,676	1	-20.5	5.0	0	84	310	10	5,099	1	-34.7	7.1	0	71	288	12	8,517	1	-51.3	8.8	0	79	266	17
		11,142	1	-51.5		0	91	265	19	13,007	1	-52.8		0	90	261	18	15,610	1	-54.4		0	94	255	19	20,040	1	-54.7		0	91	243	17	23,322	1	-52.0		0	87	232	18
GOOSE	2	989		-16.8	2.8					1,172	0	-15.4	2.6	0	44	349	5	2,626	0	-20.4	2.9	0	16	352	2	5,049	0	-34.8	5.5	0	14	191	2	8,469	0	-51.6	8.7	0	36	231	7
		11,098	0	-51.4		0	63	240	10	12,960	0	-52.6		0	78	240	12	15,566	0	-54.4		0	88	240	15	20,001	0	-53.9		0	94	235	19	23,288	0	-52.0		0	92	233	21
MANIWAKI	2	989		-19.2	3.3					1,312	0	-15.2	4.0	0	75	310	7	2,768	0	-19.4	6.1	0	85	295	12	5,210	0	-32.3	6.9	0	84	284	16	8,642	0	-52.7	7.5	0	87	276	24
		11,249	0	-53.2		1	95	276	26	13,102	0	-53.9		2	95	274	24	15,688	0	-56.7		3	95	272	23	20,054	1	-58.6		3	94	259	19	23,289	3	-54.3		5	88	242	16
STEPHENVILLE	2	987		-7.6	2.2					1,203	0	-14.1	2.0	0	66	268	8	2,666	0	-18.0	7.1	0	73	267	12	5,118	0	-31.3	7.6	0	78	265	18	8,570	0	-50.4	9.0	2	84	258	22
		11,213	0	-50.2		3	89	252	20	13,087	0	-51.3		5	94	246	20	15,703	0	-53.4		5	96	244	19	20,139	1	-54.7		5	96	234	16	23,428	1	-51.8		2	90	230	16
SHELBURNE	2	1,000		-7.3	2.1					1,290	0	-9.4	7.0	0	85	287	12	2,773	0	-15.9	7.5	0	90	271	16	5,249	0	-28.8	9.2	0	91	267	25	8,732	0	-49.9	9.2	1	93	264	37
		11,366	0	-51.6		2	95	263	34	13,228	0	-52.7		5	97	262	31	15,828	0	-55.9		5	98	260	27	20,211	2	-56.1		4	96	248	17	23,493	2	-51.6		3	89	232	14
SABLE ISLAND	2									1,273	0	-9.0	4.7	0	86	272	14	2,763	0	-14.0	7.9	0	91	267	19	5,249	0	-28.0	8.8	0	92	263	28	8,745	0	-49.4	8.6	1	93	263	39
		11,381	0	-51.5		1	95	262	37	13,247	0	-51.8		1	96	260	34	15,851	0	-56.1		1	97	256	28	20,234	2	-55.5		1	97	24	17	23,511	2	-52.2		1	94	233	12
ST. JOHN'S (TORBAY)	2									1,233	1	-10.2	6.4	0	75	254	12	2,710	1	-16.0	8.8	0	79	253	15	5,171	1	-30.6	8.8	0	82	253	22	8,644	5	-48.3	11.5	0	83	253	30
		11,303	6	-49.3		2	88	253	27	13,180	6	-50.8		8	93	254	26	15,800	6	-54.1		0	93	247	24	20,230	6	-54.7		0	94	234	16	23,518	8	-53.0		1	87	234	11
UNITED STATES-NORTHWEST																																									
QUILLAYUTE	2	1,018		1.6	0.7					1,525	0	2.9	9.9	2	19	219	1	3,081	0	-3.9	13.8	1	50	284	5	5,656	0	-20.7	9.6	0	62	297	11	9,233	1	-47.7		1	50	316	13
		11,808	1	-62.7		3	59	285	14	13,593	1	-59.6		3	81	290	15	16,122	1	-62.0		4	89	294	13	20,352	2	-66.5		4	89	319	10	23,419	9	-67.5		11	81	316	13
MEDFORD	2	977		-1.3	0.8					1,530	0	4.7	11.2	2	51	133	2	3,091	0	-2.9	11.6	1	38	339	3	5,674	0	-20.0	10.2	0	45	326	6	9,261	0	-46.8		0	42	326	10
		11,848	0	-61.0		0	50	311	12	13,646	0	-58.9		0	82	303	15	16,162	0	-64.3		1	87	297	12	20,349	1	-68.2		3	91	313	8	23,435	6	-66.7		6	82	309	8
SPOKANE	2	942		-6.6	0.5					1,526	0	-4.5	3.2	6	40	270	2	3,057	0	-6.3	10.8	3	71	321	7	5,612	0	-22.1	10.2	2	72	327	13	9,167	1	-48.4		2	67	324	19
		11,743	1	-61.3		2	74	320	21	13,536	1	-58.4		3	88	315	20	16,069	1	-62.2		3	92	313	18	20,285	2	-67.1		3	93	315	14	23,345	8	-67.8		8	89	318	15
GREAT FALLS	2	893		-8.3	3.7					1,502	1	-3.4	9.4	2	77	266	6	3,022	0	-9.0	10.9	2	89	321	10	5,555	0	-24.3	7.6	0	90	329	17	9,090	1	-49.5		1	84	332	24
		11,662	1	-60.9		3	85	328	23	13,459	1	-58.7		5	91	320	20	15,994	1	-61.9		5	93	315	18	20,219	3	-67.3		4	93	315	14	23,308	8	-66.2		9	86	314	13
BISMARCK	2	961		-15.0	3.9					1,439	0	-10.6	5.3	1	85	320	11	2,925	0	-14.6	8.6	1	92	322	17	5,410	0	-28.3	7.2	0	88	319	21	8,895	0	-51.0		4	77	316	24
		11,481	0	-57.4		4	84	315	23	13,308	0	-56.6		4	91	306	22	15,864	1	-60.3		6	94	302	19	20,112	10	-66.1		13	91	297	15	23,227	17	-61.4		17	86	272	13
HURON/HOWES MUN	2	974		-13.1	5.2					1,438	0	-9.9	7.4	0	85	323	12	2,929	0	-13.6	8.2	0	90	317	15	5,424	0	-27.3	7.6	0	85	310	21	8,918	0	-50.8		2	74	306	24
		11,510	1	-56.6		4	84	296	24	13,338	1	-56.4		4	91	294	24	15,890	2	-60.2		4	93	296	23	20,144	11	-63.4		12	91	286	14	23,324	20	-60.2		21	83	278	14
RAPID CITY	2	908		-8.0	5.6					1,481	0	-6.2	7.5	0	91	323	9	2,983	0	-12.0	7.1	0	91	323	15	5,494	0	-26.1	8.3	0	85	313	17	9,007	0	-50.0		0	79	315	25
		11,587	0	-58.5		1	82	309	23	13,403	0	-57.2		1	91	301	21	15,941	0	-61.6		1	95	298	20	20,179	5	-66.7		5	93	292	16	23,298	11	-64.2		12	83	278	13
BOISE	2	926		-9.2	2.7					1,538	0	-4.8	3.9	3	33	333	2	3,066	0	-6.7	9.1	0	65	332	6	5,627	0	-21.1	10.8	0	61	341	10	9,200	0	-47.6		0	58	338	15
		11,788	0	-60.2		0	70	328	18	13,592	0	-58.1		0	84	314	16	16,123	0	-62.6		0	89	310	15	20,336	1	-67.1		1	88	313	11	23,453	7	-65.5		7	79	307	11
WINNEMUCCA	2	875		-11.6	0.9					1,537	0	-3.7	2.3	1	32	104	1	3,074	0	-5.6	9.2	3	41	356	3	5,640	0	-20.5	10.8	0	54	342	9	9,221	0	-47.1		0	49	341	13
		11,819	0	-59.3		0	69	326	16	13,631	0	-58.2		0	83	308	16	16,157	2	-64.1		2	92	306	14	20,347	5	-68.0		6	91	311	10	23,440	11	-66.3		12	87	300	10
ELY	2	812		-12.0	2.3													3,071	0	-6.9	8.9	2	43	342	3	5,628	0	-21.5	9.4	2	54	332	8	9,191	1	-48.1		1	45	322	11
		11,788	1	-58.0		2	73	307	16	13,609	1	-57.8		2	85	297	16	16,128	1	-64.3		2	91	297	15	20,311	4	-68.6		5	86	301	10	23,404	14	-66.0		14	94	288	12
SALT LAKE CITY	2	878		-5.5	2.9					1,540	1	-5.9	2.0	2	24	249	**	3,061	0	-8.3	7.1	1	56	299	3	5,606	0	-22.5	9.2	3	45	335	7	9,159	1	-48.4		1	47	338	11
		11,752	1	-58.4		3	67	309	15	13,575	2	-58.0		3	88	294	16	16,100	2	-63.6		3	92	297	15	20,304	3	-66.9		5	92	302	12	23,394	7	-65.0		7	91	285	13
GRAND JUNCTION	2	856		-3.9	5.3					1,545	6	-3.0	6.2	6	61	129	2	3,052	0	-7.9	7.3	0	44	307	3	5,600	0	-22.2	9.2	0	61	302	10	9,164	0	-47.5		2	58	298	15
		11,765	0	-57.5		2	78	293	19	13,590	0	-56.9		3	87	284	20	16,121	0	-63.3		2	89	290	18	20,331	4	-66.4		6	93	291	13	23,468	15	-63.9		15	86	282	13
DENVER	2	837		-6.6	4.5													3,017	0	-7.8	10.0	1	78	313	6	5,562	0	-22.8	9.9	1	78	314	12	9,115	0	-48.4		0	68	300	19
		11,708	0	-57.6		3	81	283	21	13,528	0	-57.7		4	89	283	22	16,058	0	-63.2		3	90	289	19	20,273	6	-66.3		7	91	290	13	23,387	15	-63.2		17	88	280	16
NORTH PLATTE	2	922		-10.0	2.7					1,479	0	-5.8	7.6	0	80	332	9	2,991	0	-10.6	8.9	0	89	317	12	5,515	0	-24.8	10.6	0	83	307	17	9,041	0	-49.8		0	78	300	24
		11,629	0	-57.6		1	82	291	26	13,450	0	-57.2		1	91	286	27	15,990	0	-62.0		1	93	285	23	20,227	4	-66.4		5	94	285	16	23,364	11	-63.0		13	95	275	16
UNITED STATES-NORTHEAST																																									
INTERNATIONAL FALLS	2	973		-18.9	3.4					1,377	0	-14.9	5.2	0	74	316	9	2,839	0	-18.4	6.9	0	75	320	12	5,286	0	-32.1	5.9	0	74	314	17	8,734	0	-52.2		0	70	313	22
		11,324	1	-54.9		1	83	310	22	13,160	2	-55.2		2	87	304	21	15,733	3	-59.0		3	91	300	21	20,015	14	-62.4		14	85	300	13	23,253	18	-57.3		19	37	272	5
ST. CLOUD	2	981		-15.8	3.7					1,408	0	-12.1	8.2	1	75	322	9	2,885	0	-16.3	8.5	1	82	315	13	5,355	0	-29.6	7.5	0	79	309	19	8,827	0	-51.6		0	73	303	25
		11,421	0	-55.9		1	85	296	24	13,256	0	-55.7		1	90	293	24	15,818	0	-59.4		1	92	290	22	20,101	2	-63.9		3	91	283	16	23,285	8	-58.7		8	85	267	14
SAULT STE. MARIE	2	985		-11.8	4.4					1,346	0	-14.0	2.9	1	71	308	7	2,808	0	-18.6	5.2	0	79	300	10	5,256	0	-31.9	7.3	0	70	295	15	8,687	1	-52.9		1	72	287	22
		11,279	2	-53.6		2	86	287	23	13,130	2	-54.4		2	89	286	23	15,709	2	-57.4		2	92	282	22	20,061	5	-59.8		5	85	266	16	23,313	8	-55.3		9	83	247	13
CARIBOU	2	980		-16.7	2.6					1,265	0	-14.8	5.5	1	89	318	12	2,725	0	-19.1	7.5	0	90	297	13	5,167	0	-32.4	7.4	0	88	282	18	8,613	0	-51.0		0	91	270	27
		11,241	0	-51.9		0	94	267	26	13,088	1	-52.7		2	95	267	25	15,693	1	-55.3		2	95	259	22	20,095	2	-55.8		3	94	249	17	23,385	3	-52.3		4	85	233	14
DAYTON	2	980		-7.0	3.5					1,402	0	-8.7	5.0	9	81	278	12	2,898	0	-12.7	7.4	7	87	279	18	5,413	1	-25.2	8.9	5	88	280	29	8,943	1	-49.0		12	91	279	38
		11,554	1	-54.2		17	97	279	40	13,399	1	-55.2		17	98	278	35	15,949	2	-61.3		18	99	276	32	20,196	7	-63.4		19	97	272	23	23,405	11	-55.8		19	86	249	12
BUFFALO	2	986		-7.5	2.6					1,358	0	-12.4	2.3	0	82	271	11	2,833	0	-16.2	6.9	1	89	287	15	5,291	1	-29.8	8.2	1	88	281	23	8,764	1	-50.9		3	87	269	30
		11,366	2	-52.7		6	94	272	29	13,221	2	-53.8		7	96	271	28	15,817	7	-58.1		13	97	272	28	20,160	14	-61.7		21	96	266	27	23,370	16	-55.3					

UPPER AIR DATA

JANUARY 1985

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
NORTH AMERICA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
UNITED STATES-NORTHEAST																																									
CHATHAM	2	1,007		-4.2	5.2					1,340	0	-8.4	7.8	4	85	297	10	2,832	0	-14.3	7.4	5	95	275	17	5,322	0	-27.9	6.4	2	93	272	26	8,827	2	-49.0		2	93	266	39
		11,432	3	-52.0		4	95	266	38	13,291	3	-53.3		4	97	265	35	15,868	4	-58.1		5	97	263	32	20,214	5	-58.5		6	96	258	19	23,463	6	-53.8		8	93	247	14
WASHINGTON DULLES	2	1,004		-4.0	5.8					1,392	0	-7.2	4.8	11	86	290	13	2,897	0	-11.2	8.0	11	86	281	16	5,419	0	-24.8	8.0	11	93	275	26	8,954	0	-47.7		11	95	276	41
		11,577	0	-53.8		12	96	275	45	13,426	0	-54.3		12	97	270	39	15,986	3	-60.3		17	98	266	33	20,263	6	-62.2		18	98	263	20	23,471	8	-56.3		18	97	252	15
UNITED STATES-SOUTHWEST																																									
OAKLAND	2	1,022		5.8	2.6					1,523	1	6.8	14.5	7	33	357	2	3,095	2	-1.4	16.1	5	49	342	4	5,696	1	-17.9	14.0	3	57	332	8	9,305	1	-45.7		2	54	332	12
		11,910	1	-58.7		5	74	305	16	13,721	1	-58.6		7	82	302	12	16,241	2	-65.1		5	85	297	10	20,427	5	-68.2		6	83	306	6	23,525	9	-65.0		11	74	294	6
SAN DIEGO	2	1,005		8.2	3.2					1,508	0	5.9	13.0	0	14	331	1	3,077	0	-1.2	17.8	0	38	307	4	5,680	0	-17.4	15.0	0	56	304	11	9,307	0	-44.4		1	60	293	18
		11,927	0	-57.4		1	72	283	22	13,741	0	-58.9		1	79	276	18	16,250	0	-65.4		3	85	284	13	20,413	0	-68.1		1	87	288	8	23,518	2	-63.0		2	95	272	9
DESERT ROCK	2	906		1.2	6.2					1,524	0	2.9	11.6	0	74	53	4	3,074	0	-4.4	11.4	0	39	354	3	5,649	0	-20.2	12.2	0	52	324	7	9,241	1	-46.0		1	55	304	14
		11,855	1	-56.9		4	67	297	16	13,675	1	-58.1		4	75	292	14	16,190	1	-64.9		4	86	295	13	20,365	5	-67.9		7	90	298	9	23,462	6	-64.6		7	88	289	9
EL PASO	2	885		0.6	3.8					1,522	0	3.4	8.1	3	18	323	1	3,082	0	-2.6	7.5	6	70	266	9	5,679	0	-17.8	12.5	1	72	267	14	9,305	0	-43.9		2	73	265	24
		11,938	0	-56.4		4	81	264	29	13,754	0	-58.9		4	88	266	25	16,252	0	-66.6		5	94	271	19	20,412	2	-68.1		3	93	282	9	23,512	3	-62.3		4	95	274	11
ALBUQUERQUE	2	839		-1.9	3.4													3,056	0	-5.7	7.3	0	69	281	7	5,626	0	-20.2	10.5	0	66	276	12	9,214	0	-45.9		1	72	270	21
		11,830	0	-55.9		3	78	270	22	13,651	0	-58.6		4	81	272	20	16,162	1	-65.2		7	89	285	16	20,341	4	-67.3		8	95	284	11	23,454	7	-62.0		10	96	277	11
OKLAHOMA CITY/W ROGERS WORLD	2	975		-3.2	4.1					1,486	0	-1.4	10.1	4	57	311	6	3,025	0	-5.3	10.6	0	79	288	12	5,598	0	-20.1	11.3	2	89	270	22	9,198	0	-45.5		2	87	265	38
		11,817	0	-56.3		7	92	269	41	13,640	0	-58.0		7	94	266	36	16,155	0	-64.3		8	98	270	28	20,354	4	-66.7		9	92	270	17	23,488	7	-60.5		10	96	267	13
VICTORIA	2	1,018		4.9	2.3					1,515	0	7.0	7.3	2	59	263	6	3,096	0	1.1	12.0	1	89	271	12	5,723	0	-14.7	13.4	0	92	263	22	9,390	0	-41.7	6.3	0	90	260	32
		12,040	0	-55.8		1	95	257	41	13,849	0	-61.2		1	98	257	39	16,317	1	-69.2		4	98	260	28	20,425	4	-68.5		5	94	267	12	23,548	5	-60.4		6	97	261	11
BROWNSVILLE	2	1,020		9.3	1.2					1,525	0	9.7	10.0	1	26	223	3	3,123	1	3.9	13.6	2	90	254	11	5,772	0	-13.1	13.5	0	92	255	19	9,468	0	-39.8	8.7	0	94	254	35
		12,130	0	-55.8		1	95	249	41	13,932	0	-62.8		1	97	253	40	16,375	2	-71.2		3	97	251	24	20,455	7	-68.6		7	92	259	10	23,568	7	-61.1		7	86	259	8
UNITED STATES-SOUTHEAST																																									
WALLOPS ISLAND	2	1,014		-1.7	4.8					1,406	0	-5.1	7.3	0	75	282	10	2,919	0	-9.7	10.3	0	89	274	17	5,452	0	-23.7	10.0	0	94	270	29	9,009	0	-46.4		0	94	268	45
		11,642	0	-53.7		0	98	268	52	13,490	0	-54.8		0	98	267	46	16,041	0	-61.8		0	98	265	38	20,307	1	-61.7		1	97	257	21	23,517	2	-55.6		2	96	247	14
MONETT	2	969		-6.5	2.9					1,466	0	-3.9	9.4	0	81	314	10	2,991	0	-7.6	10.7	0	84	298	14	5,548	0	-21.3	11.4	0	85	280	23	9,123	0	-46.6		1	88	271	38
		11,737	0	-56.1		2	93	269	41	13,565	0	-57.2		6	95	269	37	16,090	0	-63.7		8	96	271	29	20,299	1	-66.0		5	96	272	19	23,427	5	-60.6		9	96	264	15
NORTH LITTLE ROCK	2	1,001		-2.4	3.6					1,472	0	-1.1	11.2	3	71	307	8	3,014	0	-4.8	12.4	2	85	285	15	5,590	0	-19.8	11.8	1	89	277	25	9,193	0	-45.1		1	89	268	40
		11,816	0	-55.6		2	94	267	40	13,640	0	-58.3		3	97	266	37	16,151	0	-65.0		4	96	266	27	20,329	4	-66.8		6	95	269	15	23,465	5	-60.1		5	95	260	13
LONGVIEW	2	1,008		1.0	4.7					1,499	0	2.5	12.7	1	68	297	7	3,057	0	-2.2	12.6	1	88	275	13	5,658	0	-17.2	12.7	1	90	270	24	9,293	0	-43.7		4	90	264	35
		11,924	0	-56.4		7	94	263	43	13,740	0	-59.7		9	97	263	38	16,229	0	-67.4		11	96	263	28	20,386	4	-67.1		12	96	272	14	23,533	9	-59.2		15	96	261	11
NASHVILLE	2	997		-2.2	3.0					1,443	5	-3.0	7.8	6	71	281	9	2,974	5	-6.2	9.7	5	83	279	17	5,539	5	-20.6	11.8	5	87	271	28	9,129	5	-45.5		6	90	269	42
		11,747	5	-56.2		12	94	262	44	13,576	5	-57.7		14	95	263	40	16,092	5	-64.7		14	97	265	32	20,275	7	-66.6		15	97	268	21	23,413	8	-60.5		15	98	260	18
WAYCROSS	2	1,013		3.3	6.4					1,478	0	4.4	12.8	2	81	268	12	3,046	0	-0.8	14.3	2	89	273	20	5,664	1	-15.2	13.1	2	94	267	31	9,327	0	-41.7	8.2	5	95	266	43
		11,981	0	-55.3		14	97	260	48	13,795	0	-60.5		19	97	255	39	16,260	2	-69.0		20	95	254	28	20,403	9	-66.6						23,555	10	-59.0		19	95	258	14
CAPE HATTERAS		1,016		3.6	5.1					1,435	0	-1.2	9.1	0	79	266	11	2,970	0	-6.4	12.8	0	93	266	19	5,535	0	-20.3	11.3	2	95	264	28	9,141	0	-43.8		17	97	258	34
		11,777	1	-53.0						13,625	3	-57.2						16,152	8	-64.3						20,397	14	-63.4						23,569	18	-57.0					
CHARLESTON	2	1,017		2.7	5.0					1,467	0	2.3	11.3	0	78	265	11	3,023	0	-2.9	14.0	0	91	268	20	5,619	0	-17.1	12.7	3	93	270	33	9,265	1	-42.6		6	96	268	46
		11,916	1	-54.8		7	96	264	47	13,744	3	-59.5		9	97	264	42	16,235	4	-67.4		9	96	264	31	20,402	6	-65.5		10	95	258	19	23,560	7	-58.5		12	88	265	13
BOOTHVILLE	2	1,021		7.4	3.0					1,509	2	6.7	11.7	3	90	277	10	3,089	2	1.1	11.5	2	90	266	15	5,723	2	-14.4	11.8	3	94	264	25	9,401	2	-41.0	7.7	4	94	262	37
		12,055	2	-55.7		7	96	258	45	13,863	3	-61.8		14	96	258	37	16,326	2	-69.6		15	97	257	27	20,431	6	-68.0		14	95	260	14	23,563	7	-59.9		11	95	258	11
APALACHICOLA	2	1,020		6.4	5.1					1,505	0	6.3	11.7	1	84	274	11	3,085	0	1.2	13.2	0	90	273	18	5,718	0	-14.2	12.5	0	95	268	27	9,401	0	-40.4	9.0	1	95	266	39
		12,062	1	-55.2		8	96	257	46	13,876	3	-61.0		12	97	258	38	16,335	8	-70.1		17	96	261	32	20,449	16	-66.7						23,600	22	-60.8					
WEST PALM BEACH	2	1,019		11.8	2.8					1,524	0	9.5	11.2	2	76	269	8	3,119	0	3.8	14.4	0	88	269	14	5,781	0	-11.0	16.2	0	95	269	23	9,504	0	-38.2	11.4	1	97	263	35
		12,192	0	-54.4		5	98	259	44	14,000	0	-62.9		9	97	262	39	16,429	0	-73.3		11	95	259	24	20,503	1	-67.3		8	90	259	11	23,641	3	-60.2		6	77	275	6
KEY WEST	2	1,019		18.2	5.3					1,536	0	10.9	6.6	1	70	284	6	3,140	0	5.4	16.2	1	88	267	10	5,815	0	-9.8	15.7	1	94	266	18	9,555	1	-37.0	11.6	1	97	263	34
		12,251	3	-54.3		4	98	255	42	14,057	7	-63.5		10	98	259	38	16,475	8	-74.6		10	95	262	22	20,533	10	-66.9		9	89	262	9	23,669	15	-60.1		16	63	324	4
MEXICO-NORTHERN																																									
ISLA GUADALUPE, B.C.	2	1,018		14.1	3.3					1,527	3	7.8	14.7	3	38	330	2	3,113	2	1.5	17.6	2	48	306	5	5,747	2	-14.8	13.8	3	66	292	9	9,394	4	-43.5		4	67	278	15
		12,023	4	-56.9		5	74	270	20	13,838	5	-59.7		5	82	266	17	16,324	5	-67.6		5	84	266	14	20,459	12	-67.9		13	84	272	8	23,579	16	-62.9		16	85	262	8
MAZATLAN CARRASCO	2	1,014		16.4	2.2					1,513	0	14.5	14.1	4	66	165	3	3,126	0	5.2	13.7	1	89	235	8	5,790	0	-11.6	14.6	0	87	243	15	9,503	0	-38.8	6.7	0	92	243	30
		12,171	0	-55.8		0	92	242	37	13,972	0	-63.0		2	94	241	31	16,417	1	-71.2		2	95	243	20	20,493	5	-68.7		6	94	251	7	23,612	8	-61.3		8	89	250	7
MONTERREY AEROP. INTL	2	967		6.9	1.6					1,520	1	8.1	8.7	2	31	264	2	3,116	1	3.4	13.4	1	87	258	10	5,764	1	-13.0	14.2	1	89	256	17	9,462	3	-39.9	7.0	10	93	251	26
		12,127	6	-55.8		17	96	254	35	13,940	9	-63.2		19	97	256	31	16,381	11	-71.6		21	98	256	25	20,448	17	-68.6						23,574	23	-60.6					
CHIHUAHUA UNIV. DE	2	859		1.4	3.2					1,515	0	4.1	7.0	1	65	249	2	3,089	1	0.2	11.2	2	77	255	9	5,714	1	-15.2	13.0	1	85	250	16	9,372	1	-41.8	4.9	4	83	256	24
		12,018	1	-56.3		4	88	254	32	13,830	1	-60.3		4	93	256	30	16,303	3	-68.2		6	96	254	22	20,425	12	-68.8		13	97	269	11	23,538	17	-61.5		19	98	261	11
GUADALAJARA	2	848		7.0	1.4													3,145	0	5.7	8.9	2	89	224	8	5,821	0	-10.3	11.7	1	90	241	13	9,556	0	-37.5	8.5	7	92	246	22
		12,238	0	-55.6		16	94	246	22	14,035	2	-64.5		18	95	242	22	16,463	2	-73.7		19	97	246	15	20,522	8	-67.9		16	74	246	4	23,650	10	-60.4		16	93	259	6
MEXICO-SOUTHERN																																									
MANZANILLO	2	1,014		21.5	2.9					1,523	0	16.4	11.3	1	59	291	2	3,143	0	5.3	9.7	1	80	224	5	5,818	0	-10.4	11.9	0	91	246	11	9,550	0	-37.5	9.5	0	92	246	22
		12,230	0	-56.6		0	93	248	27	14,017	0	-65.6		0	94	238	26	16,433	0	-74.5		1	95	235	14	20,483	7	-68.1		7	43	262	2	23,603	8	-60.8		8	57	272	3
VERACRUZ, YLANG YLANG	2	1,016		18.0	2.7					1,532	1	13.2	5.5	1	27	113	1	3,149	1	6.8	10.8	1	32	229	1	5,838	1	-8.5	15.8	1	88	229	9	9,594	1	-36.3	12.3	1	94	218	20
		12,290	2	-55.5		2	92	212	25	14,082	2	-64.9		2	95	208	27	16,485	2	-76.7		2	95	209	15	20,504	5	-68.1		5	21	122	1	23,621	6	-60.6		6	43	222	2
MERIDA AEROP. INTL.	2	1,017		17.0	0.9					1,545	0	12.7	4.7	5	47	180	3	3,156	0	6.2	15.9	0	61	259	4	5,844	0	-8.5	16.3	0	95	254	12	9,607	2	-35.8	13.0	2	94	253	23
		12,308	2	-54.6		2	97	238	33	14,113	3	-63.7		3	97	242	30	16,519	3	-76.8		3	95	243	17	20,551	5	-66.9		5	30	204	1	23,682	6	-60.9		6	29	273	1
SOCORRO IS	2	1,010		20.8	3.6					1,514	9	16.2	14.0	9	47	272	2	3,136	9	6.7	13.2	9	78	256	5	5,816	9	-9.9	11.9	9	92	250	12	9,553	9	-37.4	7.7	9	89	260	25
		12,234	9	-56.5		9	84	271	27	14,024	9	-64.2		9	86	263	24	16,449	11	-72.4		12	92	254	15	20,535	16	-67.7		17	50	272	3	23,667	16	-59.5		18	76	272	5
MEXICO CITY INT.AP, D.F.	2	782		6.4	6.7													3,153	0	6.6	6.8	1	70	245	2	5,837	0	-9.0	13.4	0	91	251	11	9,586	1	-36.5	9.4	1	93	244	21
		12,280	1	-55.5		1	93	238	26	14,068	1	-65.4		1	97	236	28	16,479	1	-75.4		1	96	234	16	20,512	8	-68.3		8	20	181	1	23,627	10	-60.8		10	58	273	3

UPPER AIR DATA

JANUARY 1985

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
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																	
GUATEMALA																	
GUATEMALA/LA AURORA AP	2	854		12.2	1.2					1,539	1	11.9	1.7	1	98	13	4
		12,341	1	-55.7		2	95	221	18	14,128	2	-66.1		2	95	220	17
ADJACENT ISLANDS																	
ST GEORGE,BERMUDA	2	1,011		14.7	6.1					1,458	10	3.1	3.7	11	80	275	12
		11,924	14	-53.7						13,783	19	-58.2					
SAN JUAN/INT., P.R.	2	1,017		19.8	1.4					1,543	0	13.4	5.9	0	78	84	5
		12,387	0	-53.8		1	93	281	21	14,188	0	-65.3		3	90	296	15
RAIZET, GUADELOUPE	2	1,015		20.7	1.8					1,534	1	13.4	4.4	1	94	89	7
		12,412	1	-52.6		1	92	282	17	14,212	1	-65.6		2	85	296	13
GRANTLEY ADAMS AP,BARBADOS	2	1,010		24.6	4.3					1,535	0	13.8	3.1	0	96	72	8
		12,421	0	-54.1		0	77	277	11	14,209	0	-67.3		0	63	306	8
PIARCO INT. AP, TRINIDAD	2	1,012		21.5	0.9					1,522	1	14.9	3.3	3	95	71	8
		12,425	1	-54.1		1	45	263	5	14,215	1	-67.7		1	27	322	4
DR.A. PLESMAN AP,CURACAO	3	1,007		24.7	3.7					1,521	0	14.7	3.7	0	96	82	9
		12,403	0	-54.5		0	61	224	8	14,191	0	-67.2		1	25	241	3
SOUTH AMERICA																	
VENEZUELA																	
LA CANADA(MARACAIBO)				12.9	3.7					1,534	3	15.1	3.0	89	5	252	9
		12,365	5	-56.2		5	43	189	10	14,145	1	-68.5		1	15		
MARACAY-B.A. SUCRE		965		17.9	2.1					1,517	0	15.3	3.8	3	56	64	3
		12,389	0	-55.3		3	34	205	9	14,169	1	-68.8		4	10	251	3
SAN ANTONIO DEL TACHIRA		971		20.7	0.8					1,523	0	15.6	3.0	0	23	230	1
		12,378	0	-55.5		0	43	175	33								
FRENCH GUIANA																	
CAYENNE/ROCHAMBEAU	2	1,011		23.9	1.7					1,507	0	15.4	2.7	0	94	58	7
		12,421	1	-52.8		1	46	168	5	14,213	1	-67.7		1	15	348	2
COLOMBIA																	
BOGOTA/EL DORADO	2	753		8.2	0.5												
		12,394	10	-55.5		11	66	129	9	14,164	12	-69.3		12	73	109	13
GAVIOTAS/VICHADA	2	983		22.5	3.7					1,424	1	17.5	6.2				
		12,263	1	-57.3						14,030	1	-70.3					
PERU																	
LIMA-CALLAO/INTL AP/	1	1,010		23.6	5.3					1,504	13	16.0	3.7	13	5	174	**
		12,420	14	-53.7		14	90	50	13	14,207	14	-68.4		14	79	51	12
BRAZIL-NORTHERN																	
MANAUS AERO PONTA PELADA		1,002		25.1	1.8					1,517	7	17.8	3.6	7	94	45	7
		12,448	7	-52.2		7	94	109	15	14,261	8	-65.0		8	88	109	15
BELEM/AERO VAL DE CAS		1,011		25.7	3.1					1,524	7	17.8	4.2	7	88	60	5
		12,455	7	-53.7		7	77	115	8	14,251	7	-67.8		7	56	113	6
FORTALEZA		1,008		26.9	3.0					1,512	5	17.9	3.0	5	97	96	8
		12,460	6	-52.2		4	82	196	13	14,242	6	-66.5		4	60	190	8
RECIFE /CURADO/		1,011		28.8	5.4					1,520	5	18.1	5.8	3	81	82	4
		12,464	7	-52.3		4	43	169	6	14,265	7	-65.9		4	40	163	6
SALVADOR (OLINDA)		1,005		27.1	3.8					1,510	12	18.0	4.6	12	75	21	6
		12,410	15	-53.8		14	86	168	14	14,197	16	-67.9		15	89	158	16
BRAZIL-SOUTHERN																	
CAMPO GRANDE		946		24.3	5.6					1,496	1	19.3	6.4	1	56	92	3
		12,462	1	-51.8		1	64	269	8	14,266	1	-66.1		1	74	266	7
BRASILIA/AEROPORTO/		895		20.2	2.9					1,503	2	18.2	2.0	2	82	316	7
		12,479	3	-52.4		2	64	185	9	14,258	2	-69.3		2	63	175	12
TRINIDADE/ILHA/		1,016		27.9	5.0					1,543	5	16.1	9.6	7	69	26	4
		12,350	6	-57.4		9	60	214	9	14,125	8	-68.9		9	61	214	7
RIO DE JANEIRO/AERO GALEAO		1,006		25.3	3.7					1,505	6	17.4	4.0	4	50	8	3
		12,440	4	-51.4		5	86	256	19	14,252	6	-64.5		7	83	252	17
SAO PAULO(AEROPORTO)		922		21.2	3.6					1,501	6	16.7	2.5	5	40	76	2
		12,420	5	-52.3		5	86	264	18	14,227	5	-65.2		5	87	254	18
CURITIBA/AERO AFONSO PENA		911		19.2	5.4					1,507	2	15.3	5.3	1	79	83	5
		12,417	3	-51.6		5	89	262	26	14,224		-64.0		6	91	253	27
PORTO ALEGRE/AERO S.FILHO		1,011		24.6	6.3					1,502	3	16.1	7.7	3	10	11	1
		12,292	3	-53.2		4	94	241	28	14,104	2	-62.5		6	93	241	25
CHILE																	
QUINTERO	2	1,016		15.8	2.2					1,519	0	14.5	13.6	1	9	183	**
		12,202	2	-54.0		2	90	266	23	14,028	2	-59.6		2	93	272	23
PUERTO MONTT /EL TEPUAL	2	1,006		11.7	1.2					1,484	4	7.1	7.2	6	51	273	4
		11,992	4	-56.3		7	84	247	22	13,818	4	-56.7		8	90	243	21

STATION	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED
	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																								
GUATEMALA																								
GUATEMALA/LA AURORA AP	3,152	1	7.3	15.1	1	71	76	3	5,855	1	-6.7	19.1	2	25	200	2	9,635	1	-35.0	14.5	2	85	241	11
	16,499	2	-79.9		2	79	186	9	20,492	6	-67.7		6	87	93	8	23,627	7	-58.4		7	40	54	2
ADJACENT ISLANDS																								
ST GEORGE,BERMUDA	3,014	10	-2.5	12.6	12	94	284	17	5,609	11	-17.7	13.7	12	93	281	25	9,237	11	-43.3		16	95	280	38
	16,290	23	-66.3																					
SAN JUAN/INT., P.R.	3,159	0	7.7	18.6	0	57	103	3	5,868	0	-5.9	19.2	1	18	342	1	9,660	0	-32.8	14.6	1	91	297	15
	16,574	1	-78.3		4	41	298	3	20,574	1	-67.1		2	77	98	5	23,708	2	-60.2		5	58	63	3
RAIZET, GUADELOUPE	3,150	1	8.3	21.5	1	86	85	6	5,861	1	-5.9	24.6	1	37	64	3	9,669	1	-31.4	19.8	1	93	305	12
	16,593	2	-78.4		2	48	12	5	20,564	2	-66.1		3	92	89	7	23,686	4	-60.2		4	67	92	5
GRANTLEY ADAMS AP,BARBADOS	3,155	0	8.6	17.5	0	74	88	5	5,869	0	-6.1	19.3	0	58	78	4	9,687	0	-31.4	15.0	0	81	298	10
	16,568	0	-79.4		0	65	54	8	20,570	2	-66.6		2	97	87	11	23,719	5	-57.3		5	27	31	2
PIARCO INT. AP, TRINIDAD	3,147	1	8.8	15.0	3	38	93	2	5,863	1	-5.0	19.8	2	63	74	4	9,691	1	-31.4	14.9	1	51	312	5
	16,563	1	-81.2		1	60	59	7	20,529	2	-67.9		2	96	89	13	23,685	4	-55.8		4	9	339	1
DR.A. PLESMAN AP,CURACAO	3,143	0	7.6	14.4	0	67	81	5	5,859	0	-5.1	19.3	0	78	62	6	9,676	0	-32.4	14.7	0	57	286	5
	16,555	0	-79.8		0	58	70	6	20,550	1	-66.9		1	96	86	13	23,687	2	-57.7		2	7	96	1
SOUTH AMERICA																								
VENEZUELA																								
LA CANADA(MARACAIBO)	3,154	3	6.2	9.7	4	31	161	4	5,857	3	-6.2	23.8	4	71	57	12	9,654	4	-33.0	17.4	5	24	310	6
MARACAY-B.A. SUCRE	3,138	0	7.4	10.8	3	51	57	8	5,851	0	-5.7	13.5	3	76	81	13	9,670	0	-32.1	8.2	3	40	339	8
	16,513	1	-81.3		4	35	67	11	20,449	8	-68.6						23,601	15	-57.5					
SAN ANTONIO DEL TACHIRA	3,152	0	6.5	4.1	0	53	240	44	5,852	0	-5.6	24.5	0	58	60	9	9,662	0	-32.3	20.3	0	22	175	4
FRENCH GUIANA																								
CAYENNE/ROCHAMBEAU	3,136	0	9.2	10.5	0	62	69	4	5,850	0	-5.7	15.2	0	21	156	2	9,675	0	-30.8	13.8	0	8	205	1
	16,562	1	-80.4		1	48	35	7	20,504	1	-71.1		2	99	89	18	23,656	2	-56.3		2	46	279	4
COLOMBIA																								
BOGOTA/EL DORADO	3,143	9	7.5	1.9	9	31	93	**	5,855	9	-5.0	18.0	9	55	60	3	9,676	9	-32.9	13.1	9	39	73	3
	16,506	12	-82.2		12	85	73	8	20,438	12	-68.2		12	99	81	16	23,614	14	-55.1		14	92	259	9
GAVIOTAS/VICHADA	3,057	1	9.5	12.3													9,576	1	-33.9	16.0				
	16,368	3	-79.4						20,494	5	-60.3													
PERU																								
LIMA-CALLAO/INTL AP/	3,135	13	9.1	15.7	13	16	333	1	5,851	13	-5.1	8.9	13	27	237	1	9,679	14	-31.1	10.0	14	23	117	2
	16,550	14	-82.5		16	94	76	11	20,513	23	-70.3						23,640	24	-60.0					
BRAZIL-NORTHERN																								
MANAUS AERO PONTA PELADA	3,156	7	9.3	5.1	7	79	77	4	5,878	7	-5.2	9.0	73	2	196	2	9,702	7	-31.3	12.8	7	80	144	8
BELEM/AERO VAL DE CAS	3,164	7	9.4	4.6	7	83	72	4	5,886	8	-5.4	6.9	7	43	222	1	9,711	7	-31.2	12.4	7	60	111	3
	16,614	11	-80.1		16	64	58	5	20,550	16	-67.3		16	92	79	13								
FORTALEZA	3,151	4	10.3	8.9	3	94	100	8	5,877	5	-4.1	13.0	5	29	143	2	9,712	6	-30.1	13.0	4	68	208	7
	16,611	7	-79.4		4	38	243	5	20,568	14	-69.2		14	98	98	23								
RECIFE /CURADO/	3,160	5	10.8	13.5	3	88	75	6	5,883	5	-5.0	18.7	3	89	64	6	9,683	7	-31.0		4	50	128	5
	16,637	8	-80.3		4	47	153	6	20,618	12	-67.6		12	86	90	11								
SALVADOR (OLINDA)	3,150	13	9.8	10.6	12	79	355	6	5,864	12	-5.6	14.5	12	78	8	6	9,680	14	-31.0		13	74	174	8
	16,551	16	-79.2		15	77	152	11	20,529	16	-66.5		16	86	86	19								
BRAZIL-SOUTHERN																								
CAMPO GRANDE	3,144	1	-10.1	9.7	1	14	168	1	5,873	1	-4.5	19.2	1	62	220	3	9,706	1	-30.7	19.4	1	66	254	6
	16,631	1	-78.1		1	59	221	4																
BRASILIA/AEROPORTO/	3,141	2	9.6	3.4	2	80	298	7	5,873	2	-4.7	7.1	2	72	274	5	9,711	2	-30.4	13.9	2	64	215	5
	16,618	2	-79.1		2	78	120	12	20,630	11	-66.7		10	97	70	22	23,773	12	-59.2		11	98	74	25
TRINIDADE/ILHA/	3,173	5	8.6	16.8	8	67	10	4	5,877	5	-7.5	25.0	7	78	326	6	9,651	5	-34.6	18.6	7	43	252	3
	16,516	11	-75.7		12	10	258	1																
RIO DE JANEIRO/AERO GALEAO	3,147	4	9.9		4	60	354	4	5,870	4	-4.8	14.1	4	77	289	5	9,692	4	-30.0	16.1	4	89	268	13
	16,650	7	-75.4		8	66	208	8	20,744	10	-64.5		9	98	98	13	23,913	17	-55.8		15	98	94	19
SAO PAULO(AEROPORTO)	3,139	6	10.0	7.5	5	19	33	1	5,862	5	-5.4	18.7	5	68	269	4	9,675	5	-31.7	17.0	5	89	265	12
	16,618	5	-75.9		5	52	212	5	20,666	12	-66.2		12	96	99	11	23,830	15	-58.1		14	96	91	15
CURITIBA/AERO AFONSO PENA	3,142	2	9.6	15.8	1	20	43	1	5,854	2	-6.4	22.4	1	66	219	5	9,664	3	-31.7	20.3	2	86	251	19
	16,643	3	-73.8		13	60	213	10	20,758	12	-63.3		16	97	87	13	23,968	15	-52.8					
PORTO ALEGRE/AERO S.FILHO	3,133	3	7.3	15.8	3	45	233	3	5,831	3	-8.9	18.2	3	82	242	8	9,576	2	-35.0	17.9	3	90	242	16
	16,548	3	-71.4		8	80	226	10	20,683	9	-62.8		15	81	71	7	23,903	11	-53.9		16	96	75	12
CHILE																								
QUINTERO	3,139	0	6.8	20.6	1	70	338	5	5,814	0	-10.9	19.0	0	72	271	7	9,523	1	-39.5	12.8	1	75	262	15
	16,508	2	-68.8		3	93	272	15	20,693	3	-60.1		4	95	92	9	23,937	7	-52.5		7	92	84	14
PUERTO MONTT /EL TEPUAL	3,062	4	0.3	12.5	4	72	258	8	5,689	4	-14.8	14.2	5	79	256	14	9,349	4	-42.5	8.3	5	80	252	21
	16,367	7	-60.5		9	92	250	18	20,700	7	-55.9		9	51	46	5	24,002	8	-49.5		10	91	78	8

UPPER AIR DATA

JANUARY 1985

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																																									
ANTARCTICA																																									
BELLINGSHAUSEN		994		2.1	1.4					1,298	2	-3.1	2.6	2	41	291	5	2,817	2	-10.2	6.4	2	72	284	10	5,340	2	-25.6	6.5	2	69	282	12	8,862	2	-49.6	4.1	2	75	271	19
		11,518	2	-47.5	6.8	3	85	278	15	13,385	3	-46.0	8.5	3	89	279	12	16,120	3	-45.6	9.7	3	86	280	8	20,757	4	-43.5	11.4	4	49	289	1	24,217	4	-39.8	12.2	4	92	93	4
HALLEY BAY	2	933		-4.7	1.9					1,253	2	-9.1	7.0	2	6	226	16	2,733	2	-15.8	10.7	3	26	263	17	5,205	2	-29.2	10.4	3	26	218	23	8,674	2	-51.9	9.9	7	30	217	25
		11,336	2	-45.3	19.3	7	40	239	16	13,261	2	-44.1						15,990	2	-42.4		7	28	35	16	20,717	2	-38.3						24,247	2	-35.5					
NOVOLAZAREVSKAJA		978		1.2	6.7					1,245	0	-6.9	9.9	0	99	98	13	2,733	0	-16.5	5.2	0	97	93	12	5,206	0	-29.8	5.3	0	82	82	7	8,675	0	-52.4	3.9	0	37	71	4
		11,322	0	-45.6	6.9	0	23	75	1	13,246	0	-44.6	8.9	0	9	258	**	15,946	0	-43.0	11.1	2	10	313	**	20,668	0	-39.7	14.3	1	50	97	1	24,170	0	-37.7	15.6	0	88	80	4
SYOWA	1	991		-1.8	4.8					1,230	0	-7.4	7.3	0	95	48	17	2,714	0	-16.4	8.5	0	90	72	15	5,177	0	-30.4	10.3	0	81	78	17	8,628	0	-52.9		0	59	74	16
		11,286	0	-45.7		0	46	53	6	13,208	0	-44.6		0	30	39	3	15,926	0	-43.5		0	33	354	2	20,609	1	-41.3		2	81	68	5	24,091	10	-39.3					
MOLODEZNAJA		987		1.0	6.1					1,223	5	-7.3	4.9	5	93	65	9	2,710	5	-16.4	4.1	5	94	65	8	5,185	5	-29.6	5.8	5	79	63	8	8,662	5	-51.1	4.7	5	62	55	8
		11,333	5	-44.5	8.5	9	39	35	3	13,261	5	-43.9	10.7	5	24	342	1	15,983	5	-43.1	12.6	5	39	324	1	20,674	5	-40.9	15.2	5	77	60	2	24,160	5	-38.7	17.8	5	94	86	5
MIRNYJ		986		-1.3	4.6					1,229	0	-7.3	4.5	0	96	89	12	2,724	0	-14.2	5.4	0	86	84	8	5,220	0	-27.6	5.3	0	36	74	3	8,713	0	-50.6	4.4	0	15	7	2
		11,377	0	-45.1	7.8	0	35	306	3	13,307	0	-43.5	10.3	0	52	316	3	16,031	0	-43.5	12.5	1	57	323	3	20,711	0	-41.7	14.8	0	67	44	2	24,188	1	-39.6	16.9	1	96	78	5
LENINGRADSKAJA		958		-3.3	4.2					1,249	0	-7.7	5.8	3	64	127	5	2,742	0	-14.4	7.2	0	18	217	1	5,228	0	-28.7	5.5	0	48	262	5	8,721	0	-49.4	4.4	0	72	270	11
		11,407	0	-43.7	8.3	0	85	268	10	13,337	0	-42.5	10.7	0	82	272	8	16,084	0	-42.7	12.8	0	79	275	6	20,774	0	-41.1	15.1	0	46	310	2	24,257	2	-39.4	15.9	2	76	77	3
MCMURDO	1	995		0.0	7.0					1,260	1	-9.1	6.2	1	75	170	16	2,736	1	-17.7	4.2	1	54	17	13	5,191	1	-30.6	6.8	1	28	150	4	8,650	1	-50.8		1	15	120	23
		11,338	1	-43.6		1	11	280	15	13,282	1	-41.7		1	32	280	14	16,048	1	-40.2		1	48	260	14	20,760	4	-36.6		7	28	280	7								
VOSTOK		636		-31.1	3.4																					5,200	2	-34.7	3.2	2	55	185	4	8,604	2	-53.3	3.5	2	39	188	4
		11,275	2	-44.6	6.6	2	49	241	2	13,202	4	-42.8	8.5	4	44	255	2	15,947	4	-41.1	10.4	6	42	288	1	20,696	6	-37.3	13.8	7	43	329	1	24,260	10	-33.3	16.7	9	39	41	1
EUROPE																																									
GREENLAND																																									
DANMARKSHAVN	3	1,018		-20.6	4.8					1,373	0	-16.5	8.6	0	50	288	6	2,822	0	-21.0	10.0	0	51	270	7	5,238	0	-34.9	11.3	0	54	265	10	8,654	0	-52.7		0	58	264	13
		11,248	0	-55.5		0	59	274	11	13,087	0	-55.1		0	53	284	8	15,663	0	-56.2		0	44	300	6	20,046	2	-58.6		2	40	346	6	23,332	8	-57.4		8	76	16	12
SCORESBYSUND	3	1,012		-11.6	3.0					1,412	0	-11.7	11.6	0	36	250	4	2,881	0	-18.0	11.9	0	54	240	7	5,323	0	-32.9	14.9	0	53	249	9	8,746	0	-53.9		0	50	252	10
		11,307	0	-58.5		0	62	251	10	13,122	0	-56.7		0	67	261	10	15,677	0	-58.7		0	64	265	9	20,005	0	-60.9		0	70	281	11	23,179	2	-60.4		4	68	299	12
EGEDESMINDE	3	1,000		-8.3	4.3					1,296	0	-8.9	12.9	0	55	150	5	2,774	0	-17.2	14.5	0	58	173	6	5,216	0	-33.3	13.8	0	51	193	9	8,621	0	-56.0		7	45	203	8
		11,160	0	-59.7		9	55	204	8	12,967	0	-58.3		9	63	188	8	15,512	0	-59.3		9	70	184	9	19,863	1	-58.6						23,099	2	-55.7					
ANGMAGSSALIK	3	1,009		-5.5	3.7					1,391	0	-10.8	4.9	0	72	99	6	2,869	0	-16.8	6.6	0	61	146	6	5,320	0	-31.9	8.1	0	54	173	8	8,759	0	-53.9		0	41	188	10
		11,319	1	-57.4		1	67	191	11	13,139	1	-55.7		2	81	197	11	15,716	1	-56.2		2	77	205	10	20,120	2	-56.7		2	79	229	13	23,361	2	-55.8		8	75	236	12
NARSSARSSUAQ	3	1,000		0.9	7.2					1,295	5	-7.3	9.1	5	85	97	7	2,778	5	-16.7	6.5	5	82	120	10	5,222	5	-33.1	9.4	5	73	144	12	8,633	5	-55.0		5	60	157	13
		11,193	5	-57.4		5	77	180	12	13,020	6	-55.6		6	90	188	14	15,594	6	-56.9		6	92	201	16	19,989	7	-55.8						23,251	15	-53.0					
ICELAND																																									
KEFLAVIK	2	1,010		0.6	2.8					1,407	0	-5.9	5.5	1	54	145	5	2,906	1	-13.6	8.9	2	54	188	5	5,384	0	-30.0	8.8	1	46	213	7	8,844	0	-53.3		0	52	237	9
		11,406	0	-58.2		0	61	233	9	13,231	0	-55.7		0	70	243	8	15,795	2	-56.6		3	75	260	8	20,178	3	-57.7		3	81	277	11	23,401	5	-57.7		6	77	299	13
UNITED KINGDOM																																									
LERWICK	3	1,003		2.4	3.2					1,403	0	-6.4	4.2	0	44	15	5	2,901	0	-13.6	9.6	0	53	5	6	5,379	0	-29.9	10.2	0	50	359	8	8,821	0	-54.7		0	41	343	9
		11,365	0	-59.8		0	53	345	10	13,172	0	-57.8		0	75	336	12	15,721	0	-59.2		0	81	328	13	20,044	1	-61.2		1	90	331	18	23,199	1	-62.5		1	90	332	22
STORNOWAY	3	1,013		3.3	3.2					1,414	0	-5.4	4.1	0	39	30	4	2,919	0	-12.8	11.6	0	31	20	4	5,407	0	-28.8	9.0	0	29	344	5	8,866	0	-53.9		0	36	317	8
		11,417	0	-58.9		0	57	324	10	13,236	0	-57.2		0	64	316	10	15,796	0	-58.6		0	75	316	11	20,132	1	-60.5		1	92	324	17	23,350	1	-60.8		1	86	326	20
AUGHTON	/	1,007		1.1	2.0					1,399	0	-6.0	3.9	0	20	3	2	2,899	0	-13.3	8.1	0	35	351	5	5,388	0	-28.4	9.6	0	41	341	9	8,857	0	-52.9		0	51	333	15
		11,418	0	-57.5		0	65	327	14	13,240	0	-56.7		0	74	320	15	15,802	0	-58.1		0	86	319	14	20,138	0	-60.2		0	89	317	15	23,321	0	-60.6		0	95	323	19
CRAWLEY	3	996		0.4	1.5					1,398	0	-5.9	4.6	0	28	337	4	2,897	0	-13.5	8.9	0	37	334	6	5,382	0	-28.9	9.8	0	46	341	10	8,851	0	-52.6		0	54	334	16
		11,421	0	-56.7		0	70	318	16	13,248	0	-55.9		0	76	317	15	15,816	0	-58.0		0	79	314	14	20,154	0	-60.3		0	93	314	14	23,332	0	-60.8		0	94	317	17
IRELAND																																									
VALENTIA OBSERVATORY	3	1,012		5.2	3.1					1,414	0	-2.9	5.1	0	14	225	2	2,933	0	-10.1	11.4	0	24	301	3	5,466	0	-25.7	13.7	0	45	302	8	8,959	0	-50.3	12.3	0	56	302	14
		11,530	0	-58.4		0	70	306	14	13,353	0	-55.3		0	79	306	14	15,928	0	-57.3		1	87	312	14	20,282	16	-59.3		16	85	319	11	23,530	23	-58.1		23	91	333	15
DENMARK AND FAROE IS																																									
THORSHAVN	3	1,009		2.1	3.9					1,417	0	-6.0	6.7	0	37	35	4	2,917	0	-13.4	13.7	0	31	20	3	5,396	0	-29.7	11.6	0	36	322	5	8,848	0	-53.5		0	34	295	6
		11,409	0	-59.0		0	52	322	8	13,220	0	-56.8		0	75	321	10	15,784	0	-57.6		0	85	321	12	20,130	0	-60.0		0	87	326	16	23,320	2	-60.5					
KOBENHAVN/JAEGERSBORG	3	1,007		-5.0	1.7					1,365	0	-9.2	8.0	0	9	360	1	2,843	0	-17.6	11.3	0	21	341	3	5,286	0	-32.9	11.1	0	35	338	7	8,708	0	-54.1		0	41	337	10
		11,281	0	-56.0		0	57	322	10	13,110	0	-56.4		0	67	318	10	15,673	0	-58.3		0	83	316	13	19,991	0	-61.5		0	95	312	18	23,143	0	-62.6		0	95	313	22
NORWAY																																									
BJORNOYA	3	1,009		-5.4	2.6					1,348	0	-13.1	4.3	0	34	340	4	2,805	0	-20.9	7.7	0	49	326	7	5,213	0	-36.6	7.6	0	58	328	11	8,594	0	-55.0	10.3	0	70	338	15
		11,161	0	-57.6	16.5	0	71	345	13	12,978	0	-57.8	19.4	0	71	355	12	15,523	1	-60.3	20.5	1	73	8	13	19,802	6	-63.0	21.6	7	80	33	18	22,967	13	-62.1	23.3	9	76	48	20
JAN MAYEN	3	1,016		-3.4	2.4					1,402	0	-10.3	8.7	0	32	297	4	2,877	0	-18.0	11.0	0	47	278	6	5,317	0	-33.0	13.1	0	59	277	9	8,742	0	-53.1		0	60	280	11
		11,316	0	-58.3		0	66	291	11	13,130	0	-57.0		0	76	303	11	15,692	0	-58.3		0	76	313	12	20,031	1	-60.4		2	72	332	14	23,213	2	-60.7		2	72	333	18
BODO	3	1,013		-2.2	2.7					1,377	0	-10.8	4.4	0	31	322	3	2,847	0	-18.8	5.2	1	56	350	7	5,277	0	-34.2	5.7	1	71	355	13	8,688	0	-54.4		1	75	350	17
		11,246	0	-58.8		2	88	350	16	13,049	1	-59.1		2	82	350	14	15,582	1	-61.4		2	81	345	15	19,768	1	-65.0		2	80	348	19	22,299	1	-64.9		2	77	352	21
ORLAND	3	1,012		-3.1	4.7					1,380	0	-9.4	3.0	0	26	15	3	2,861	0	-16.6	5.2	0	42	348	5	5,319	0	-31.5	6.5	0	47	355	9	8,758	0	-53.5		0	57	347	15
		11,318	0	-59.0		0	53	348	10	13,126	0	-58.3		0	77	342	13	15,670	0	-60.0		0	83	335	15	19,956	1	-63.9		0	89	334	21	23,097	2	-64.0		0	88	330	25
STAVANGER/SOLA	3	1,009		-3.4	3.4					1,380	0	-7.4	4.1	0	6	20	1	2,826	0	-16.0	5.5	0	31	5	4	5,333	0	-31.1	6.3	0	38	5	8	8,772	0	-54.5		0	48	360	14
		11,331	0	-57.8		0	42	350	13	13,153	0	-56.9		0	70	340	13	15,713	0	-56.9		0	83	330	14	20,006	0	-61.6		0	95	325	19	23,205	0	-62.5		0	98	310	23
OSLO/GARDERMOEN	3	990		-10.7	2.7					1,338	0	-11.3	8.1	0	30	80	2	2,851	0	-17.4	9.6	0	49	90	6	5,302	0	-31.7	9.8	0	50	80	11	8,739	0	-54.3		0	49	80	14
		11,305	0	-54.3		0	49	90	12	13,130	0	-57.3		0	54	100	12	15,688	0	-58.6		0	66	110	12	20,006	0	-61.8		0	91	120	19	23,153	0	-63.0		0	92	125	24

UPPER AIR DATA

JANUARY 1985

STATION	TIME OF OBSERVATIONS	SURFACE 200 MB HEIGHT	SURFACE TEMPERATURE NUMBER OF MISSING DAYS	SURFACE TEMPERATURE MEAN	SURFACE DEW POINT DEPRESSION	SURFACE MEAN VECTOR WIND NUMBER OF MISSING DAYS	SURFACE MEAN VECTOR WIND STEADINESS FACTOR	SURFACE MEAN VECTOR WIND DIRECTION	SURFACE MEAN VECTOR WIND SPEED	850 MB 150 MB HEIGHT	850 MB TEMPERATURE NUMBER OF MISSING DAYS	850 MB TEMPERATURE MEAN	850 MB DEW POINT DEPRESSION	850 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	850 MB MEAN VECTOR WIND STEADINESS FACTOR	850 MB MEAN VECTOR WIND DIRECTION	850 MB MEAN VECTOR WIND SPEED	700 MB 100 MB HEIGHT	700 MB TEMPERATURE NUMBER OF MISSING DAYS	700 MB TEMPERATURE MEAN	700 MB DEW POINT DEPRESSION	700 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	700 MB MEAN VECTOR WIND STEADINESS FACTOR	700 MB MEAN VECTOR WIND DIRECTION	700 MB MEAN VECTOR WIND SPEED	500 MB 50 MB HEIGHT	500 MB TEMPERATURE NUMBER OF MISSING DAYS	500 MB TEMPERATURE MEAN	500 MB DEW POINT DEPRESSION	500 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	500 MB MEAN VECTOR WIND STEADINESS FACTOR	500 MB MEAN VECTOR WIND DIRECTION	500 MB MEAN VECTOR WIND SPEED	300 MB 30 MB HEIGHT	300 MB TEMPERATURE NUMBER OF MISSING DAYS	300 MB TEMPERATURE MEAN	300 MB DEW POINT DEPRESSION	300 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	300 MB MEAN VECTOR WIND STEADINESS FACTOR	300 MB MEAN VECTOR WIND DIRECTION	300 MB MEAN VECTOR WIND SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
EUROPE																																									
FINLAND																																									
SODANKYLA	3	992		-24.1	2.2					1,350	0	-15.4	5.2	0	40	345	3	2,795	0	-23.2	7.7	0	63	359	7	5,187	0	-37.1	9.8	0	68	359	12	8,569	0	-55.0	9.9	0	70	355	16
		11,136	0	-58.3		0	75	349	14	12,941	0	-59.3		0	75	348	12	15,460	0	-62.4		0	76	349	12	19,683	0	-66.3		0	68	358	12	22,776	5	-65.2		5	41	16	8
JYVASKYLA/LUONETJARVI	3	997		-20.0	1.8					1,350	0	-15.0	6.2	0	40	11	3	2,802	0	-21.5	8.6	0	48	340	5	5,209	0	-35.9	9.6	0	51	315	8	8,601	0	-54.8	9.6	0	47	318	10
		11,158	0	-57.7		0	56	325	9	12,966	0	-59.2		0	66	320	10	15,491	0	-62.2		0	71	319	11	19,719	1	-66.6		2	78	317	15	22,794	8	-66.3					
JOKIOINEN	3	1,001		-16.4	1.9					1,352	0	-12.8	7.0	0	31	7	3	2,812	0	-20.0	8.7	0	41	326	4	5,234	0	-34.8	8.5	0	50	302	7	8,635	0	-54.7	9.6	0	45	310	9
		11,202	0	-57.7		0	51	318	8	13,011	0	-58.1		0	66	316	10	15,547	0	-61.1		0	78	315	12	19,800	0	-65.5		0	85	311	17	22,912	0	-65.3		0	80	308	20
FRANCE																																									
BREST/GUIPAVAS	1	1,001		2.4	2.1					1,405	1	-3.7	4.0	5	41	339	4	2,916	1	-11.5	9.5	4	58	338	7	5,424	1	-26.7	9.7	4	67	332	12	8,923	1	-50.9		4	73	323	20
		11,503	1	-57.3		5	78	313	16	13,329	1	-55.9		6	83	311	15	15,897	2	-58.1		8	85	307	13																
TRAPPES	1	993		-1.7	1.7					1,393	0	-6.1	4.0	4	34	295	3	2,890	0	-14.2	7.7	3	42	310	5	5,370	0	-29.3	8.3	3	46	317	9	8,845	0	-50.9		4	62	316	16
		11,439	2	-56.8		4	76	304	17	13,268	2	-55.5		4	83	304	16	15,835	2	-57.6		4	90	302	16	20,190	3	-59.0		9	96	303	16	23,374	10	-62.3					
NANCY/ESSEY	2	988		-3.0	3.4					1,392	0	-6.8	4.3	3	29	265	2	2,887	0	-14.1	7.4	2	37	284	4	5,364	0	-28.8	7.2	3	38	301	6	8,831	1	-51.7		3	50	293	11
		11,417	2	-56.1		5	74	301	13	13,250	3	-54.8		5	83	296	13	15,823	4	-57.7		6	89	300	15	20,163	4	-60.7		9	93	296	16	23,332	10	-60.7					
LYON/SATOLAS	2	986		-2.2	3.2					1,407	0	-5.5	5.4	9	25	320	2	2,910	2	-13.6	8.0	9	48	322	5	5,399	2	-28.0	10.2	9	73	311	13	8,884	3	-49.9		9	80	304	19
		11,481	5	-55.0						13,316	6	-54.5						15,901	6	-56.6						20,263	8	-59.4						23,452	11	-59.9					
BORDEAUX/MERIGNAC	1	1,011		-0.1	2.2					1,424	5	-4.2	5.5	2	49	304	5	2,936	5	-11.2	7.9	2	66	315	9	5,445	5	-26.7	11.4	2	74	317	14	8,949	6	-49.7		3	70	317	18
		11,540	6	-57.2		3	85	304	18	13,367	6	-55.8		3	89	302	17	15,937	6	-58.4		3	92	300	16	20,284	9	-60.7		6	92	295	11								
NIMES/COURBESSAC	1	1,006		0.5	6.3					1,402	0	-6.5	6.6	0	56	340	5	2,915	1	-11.4	8.7	0	60	310	6	5,424	2	-27.2	9.0	16	4	287	11	8,916	4	-49.7		3	69	296	18
		11,514	5	-55.7		3	81	294	18	13,351	6	-54.8		3	90	289	19	15,929	6	-57.9		3	91	287	17	20,270	10	-60.1													
AJACCIO/CAMPO DEL ORO	2	1,010		9.0	6.1					1,399	1	-1.1	5.9	5	65	250	3	2,924	1	-9.5	9.5	5	79	276	9	5,945	1	-25.9	11.3	5	75	276	12	8,691	1	-49.4		5	64	276	14
		11,563	1	-56.0		5	82	276	18	13,404	1	-53.7		5	90	275	21	15,983	1	-57.7		5	93	276	19	20,319	4	-60.1		7	92	283	14	23,504	8	-60.3					
NETHERLANDS																																									
DE BILT	1	1,012		-3.8						1,379	0	-6.0	5.6	0	26	326	3	2,872	0	-14.5	12.2	0	34	326	5	5,344	0	-30.4	9.9	0	41	332	8	8,801	0	-52.4		0	45	335	13
		11,390	0	-55.3		0	62	320	14	13,229	0	-54.8		0	74	318	14	15,810	0	-56.9		0	85	315	15	20,149	3	-59.7		1	90	313	16	23,339	6	-58.7		4	95	313	20
SWITZERLAND																																									
PAYERNE/ STN. AEROLOGICAL	3	955		-5.0	3.0					1,401	0	-6.6	3.6	0	44	239	3	2,890	0	-13.7	5.0	0	43	265	4	5,379	0	-29.8	5.1	0	44	283	7	8,838	0	-52.0	4.5	0	54	290	13
		11,427	0	-56.2	5.4	0	78	293	16	13,258	0	-55.6		0	87	292	16	15,826	0	-58.3		0	91	291	18	20,146	0	-61.0		3	93	294	15	23,339	3	-61.5		5	86	303	15
FEDERAL REP OF GERMANY																																									
SCHLESWIG	3	1,007		-4.4	1.4					1,371	0	-8.6	5.3	0	10	38	1	2,855	0	-16.6	9.0	0	21	340	3	5,312	0	-32.1	9.1	0	32	332	6	8,744	0	-54.2	7.1	0	37	343	10
		11,316	0	-56.6	7.8	0	54	324	11	13,145	0	-56.5		0	66	322	11	15,707	0	-58.3		0	79	317	13	20,025	0	-62.0		2	93	310	18	23,176	0	-63.3		2	95	311	21
HANNOVER	3	1,006		-4.9	1.7					1,373	0	-7.9	4.0	0	20	265	2	2,861	0	-15.9	8.0	0	27	298	3	5,322	0	-31.8	9.3	0	37	308	6	8,758	0	-53.7	7.3	0	40	312	9
		11,336	0	-56.4	8.5	0	60	310	12	13,165	0	-56.0		0	72	308	12	15,733	0	-58.1		0	86	305	14	20,070	0	-61.2		0	93	305	16	23,232	0	-62.4		0	94	305	19
BERLIN/TEMPELHOF	2	1,007		-4.9	2.5					1,369	0	-8.3	6.1	0	29	277	3	2,855	0	-16.3	8.8	0	43	290	5	5,308	0	-32.7	11.2	0	49	292	7	8,753	0	-53.3	11.8	0	50	290	10
		11,321	0	-55.5	15.8	0	65	296	11	13,157	1	-55.7		1	75	297	11	15,730	1	-57.5		1	88	298	12	20,075	3	-60.7		3	95	301	15	23,249	3	-61.2		3	93	299	19
ESSEN	3	994		-3.6	2.2					1,383	0	-7.0	4.1	0	28	283	3	2,876	0	-14.6	7.9	0	33	297	4	5,345	0	-30.7	7.6	0	39	309	7	8,790	0	-53.0	6.2	0	48	317	12
		11,370	0	-56.1	7.2	0	63	312	13	13,200	0	-55.6		0	74	309	13	15,770	0	-58.1		0	83	308	15	20,100	0	-61.1		0	92	307	16	23,259	0	-62.0		0	94	308	19
STUTTGART/CANNSTATT	3	975		-4.8	2.5					1,390	0	-7.0	4.7	0	45	264	4	2,885	0	-14.6	5.6	0	55	278	5	5,357	0	-30.6	5.6	0	49	280	7	8,808	0	-52.7	5.1	0	55	289	12
		11,392	0	-56.0	6.2	0	73	293	13	13,225	0	-55.4		0	82	293	14	15,801	0	-57.6		0	89	292	15	20,140	0	-60.6		0	95	291	16	23,315	0	-61.3		0	92	292	18
MUNCHEN/OBERSCHLEISSHEIM	3	954		-7.2	1.7					1,389	0	-6.8	4.8	0	60	266	5	2,886	0	-14.5	5.7	0	65	271	7	5,360	0	-30.4	5.7	0	58	274	9	8,811	0	-53.0	5.4	0	61	278	14
		11,394	0	-56.3	6.5	0	79	280	15	13,227	0	-55.3		0	89	283	16	15,802	0	-57.9		0	94	285	17	20,142	0	-60.5		0	95	289	18	23,325	0	-61.0		0	93	290	20
GERMAN DEMOCRATIC REP																																									
GREIFSWALD	1	1,013		-6.3	1.8					1,373	0	-8.8	4.7	0	8	339	1	2,854	0	-17.2	6.7	0	22	320	3	5,298	0	-32.9	8.0	0	35	315	6	8,720	0	-54.8	6.0	0	40	316	9
		11,284	1	-57.7	6.4	0	55	306	10	13,106	2	-57.1	7.1	0	68	306	11	15,657	4	-59.2	7.1	0	85	305	13	19,976	10	-61.8		4	99	303	18	23,110	15	-62.9		5	96	305	21
LINDENBERG	1	999		-6.9	1.7					1,376	0	-8.4	5.2	0	30	257	3	2,860	0	-16.9	6.0	0	40	274	5	5,309	0	-32.5	6.7	0	44	290	7	8,736	0	-54.3	5.3	0	52	289	11
		11,293	1	-57.1	6.2	0	70	290	13	13,112	2	-56.8	7.2	0	79	292	12	15,680	3	-58.7	7.9	0	89	296	14	19,998	5	-62.0		0	96	298	17	23,157	15	-63.6		1	95	300	20
MEININGEN	1	958		-7.4	2.3					1,378	0	-8.1	3.2	0	34	260	3	2,867	0	-15.4	4.9	0	48	280	6	5,331	0	-31.4	5.4	0	49	289	8	8,758	1	-54.0	4.9	0	53	293	12
		11,337	2	-57.1	5.4	0	71	295	13	13,155	3	-56.7	6.2	0	85	294	14	15,714	3	-58.8	6.9	1	90	297	15	20,044	6	-61.4		2	95	300	17	23,206	16	-60.6		6	90	301	20
AUSTRIA																																									
WIEN/HOHE-WARTE	3	1,006		-4.9	3.9					1,483	0	-7.5	6.3	0	33	270	7	2,978	0	-14.3	7.1	0	53	277	10	5,449	0	-30.5	7.4	0	76	264	22	8,889	0	-54.0		0	75	263	33
		11,453	0	-57.7		0	84	269	34	13,276	0	-56.4		0	90	271	34	15,837	0	-58.7		0	94	275	37	20,164	2	-60.9		2	95	280	37	23,336	8	-61.3		8	92	281	41
CZECHOSLOVAKIA																																									
LIBUS	3	976		-6.4	3.4					1,382	0	-8.1	3.2	0	44	285	4	2,873	0	-15.4	4.2	0	59	271	6	5,335	0	-31.4	3.9	0	67	271	10	8,772	0	-54.1	3.5	0	70	274	14
		11,338	0	-57.9	3.8	0	77	275	15	13,157	0	-57.2	4.5	0	86	279	15	15,711	0	-59.4		1	93	282	16	19,990	7	-62.6		7	95	283	18	23,092	16	-63.8		9	94	281	20
POPRAD/GANOVCE	3	930		-8.4	3.6					1,391	0	-8.9	5.0	0	55	254	3	2,878	0	-14.9	6.0	0	62	258	6	5,344	0	-30.5	5.4	0	85	258	12	8,787	0	-53.8	4.8	0	74	259	19
		11,348	0	-58.4	4.4	0	83	264	18	13,158	0	-57.6	4.9	0	91	266	18	15,708	0	-59.6		0	93	271	19	20,006	2	-62.4		2	94	273	20	23,162	11	-62.0		9	90	271	24
HUNGARY																																									
BUDAPEST/LORINC	/	998		-5.1	3.6					1,381		-7.9	4.4		38	242	4	2,874		-14.4	4.7		62	253	6	5,349		-30.4	4.8		82	250	13	8,788		-54.1	3.9		86	252	21
		11,353		-56.8		16	93	258	20	13,183		-55.8		16	95	262	21	15,744		-57.8			96	265	21	20,097		-59.9			95	273	20								
SZEGED	3	1,006		-6.6	2.8					1,402	0	-6.8	5.3	2	40	237	3	2,903	0	-12.8	6.1	0	59	252	6	5,396	0	-28.2	5.6	0	78	251	13	8,862	1	-53.0	4.7	1	80	255	20
		11,424	1	-57.9		1	86	259	20	13,247	2	-56.3		2	92	261	20	15,812	4	-58.6		4	95	264	21	20,128	8	-61.1		8	96	271	21	23,307	27	-61.4		27	90	272	20
GIBRALTAR																																									
NORTH FRONT	3	1,016		12.3	4.9					1,478	0	3.8	7.8	0	52	265	5	3,031	0	-4.0	11.3	0	64	285	8	5,601	0	-21.0	10.5	0	70	295	12	9,165	0	-48.4		0	72	294	17
		11,757	0	-57.7		0	84	285	20	13,574	0	-56.7		0	92	279	21	16,118	0	-60.6		0	94	279	18	20,394	0	-62.9		0	92	280	11	23,558	0	-60.9		0	70	284	7
PORTUGAL																																									
LAJES /ACORES/	1	1,000		13.9	3.4					1,473	1	5.3	4.8	5	72	270	8	3,040	1	-2.1	10.6	4	79	275	10	5,640	1	-19.0		3	81	280	14	9,230	2	-46.5		5	77	285	18
		11,820	2	-58.7		6	87	290	22	13,650	9	-57.7																													
LISBOA/GAGO CONTINHO	2	1,004		9.7	4.3					1,464	1	3.5	10.5	1	33	274	3	3,018	1	-3.8	18.6	1	56	292	6	5,581	1	-21.4	16.6	2	68	294	11	9,139	1	-49.2	14.6	4	68	297	14
		11,714	1	-58.8	18.4	2	82	288	18	13,529	1	-56.7	21.6	5	89	288	18	16,075	1	-60.8		4	95	285	15	20,356	4	-62.9		7	92	295	8								

UPPER AIR DATA

JANUARY 1985

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
MADEIRA																																									
FUNCHAL	2	1,011		16.6	5.8					1,502	0	6.2	8.1	0	51	285	4	3,080	1	-0.2	19.2	1	54	310	7	5,690	1	-17.3	16.6	1	65	315	11	9,310	1	-45.0		1	66	315	18
		11,920	2	-57.8		2	78	305	24	13,750	2	-57.2		2	86	300	22	16,280	5	-63.0		5	77	300	20	20,510	9	-63.6		9	85	290	7								
SPAIN																																									
LA CORUNA	3	1,006		8.3	4.5					1,444	0	0.9	6.5	0	27	259	3	2,981	0	-7.0	11.6	0	57	292	8	5,528	0	-23.0	12.5	0	73	303	14	9,072	0	-49.1	9.2	0	76	305	19
		11,655	0	-58.0		0	82	299	18	13,478	0	-55.7		0	87	297	14	16,049	1	-58.5		1	91	301	15	20,381	9	-60.2		9	86	311	9	23,617	23	-59.7		9	76	320	7
MADRID/BARAJAS	3	942		3.4	4.0					1,463	0	0.3	6.5	0	49	290	4	2,999	0	-6.9	13.7	0	68	301	9	5,547	0	-22.8	13.1	0	76	302	15	9,095	0	-48.7	12.1	0	77	303	21
		11,687	0	-57.4		0	85	296	20	13,519	0	-55.0		0	90	291	18	16,090	0	-58.3		0	94	291	17	20,419	0	-60.7		0	87	290	9								
PALMA/SON BONET	3	1,009		8.6	4.0					1,437	0	0.5	8.3	0	71	291	7	2,969	0	-9.3	15.0	0	75	288	10	5,507	0	-23.6	19.8	0	76	291	16	9,033	0	-49.9	17.9	0	77	292	22
		11,616	0	-56.7		0	85	286	21	13,445	0	-55.8		0	93	281	21	16,009	0	-59.3		0	93	279	18	20,312	10	-63.2		9	95	277	12	23,463	30	-62.6					
ITALY																																									
UDINE/CAMPOFORMIDO	3	1,001		0.9	6.2					1,393	0	-4.9	7.2	0	15	96	2	2,896	0	-13.2	9.1	0	32	253	6	5,382	0	-29.1	10.3	0	61	252	18	8,850	0	-52.4		0	70	257	32
		11,432	0	-56.2		0	75	269	32	13,268	0	-55.2		0	88	270	36	15,828	0	-57.7		0	92	273	36	20,192	2	-59.9		3	94	275	37	23,372	5	-60.2		8	91	281	40
MILANO/LINATE	3	1,000		-1.2	3.7					1,397	0	-4.4	9.2	0	12	31	1	2,902	0	-11.8	9.5	0	33	250	6	5,390	0	-29.0	11.8	0	53	262	16	8,863	0	-51.6		0	63	269	32
		11,456	0	-55.5		0	79	275	37	13,298	0	-54.4		0	86	277	37	15,875	0	-57.9		0	87	284	34	20,210	0	-60.0		1	90	278	34	23,431	5	-58.7		6	90	273	37
ROMA/FIUMICINO	3	1,009		6.3	5.4					1,413	1	-0.2	8.3	1	38	222	6	2,940	1	-9.3	13.8	1	69	242	15	5,460	1	-26.4	16.0	1	69	247	22	8,960	1	-51.3		1	71	250	34
		11,556	1	-55.5		1	81	258	36	13,393	1	-54.9		1	87	258	39	15,965	1	-58.5		1	91	258	39	20,288	2	-60.4		5	92	265	36	23,476	10	-59.7		16	95	258	35
BRINDISI	3	1,004		7.1	4.4					1,353	22	-0.9	7.4	23	29	228	15	2,874	22	-9.9	11.0	23	76	104	76	5,382	22	-27.5	12.8	24	74	105	66	8,892	22	-52.6		26	80	96	61
		11,468	22	-56.8		24	79	95	56	13,301	23	-54.9		24	76	101	47	15,906	24	-57.2		29	88	307	26	20,204	27	-60.0		29	74	289	11	23,384	27	-60.2		29	98	255	16
CAGLIARI/ELMAS	3	1,012		8.2	3.3					1,420	0	0.4	6.0	0	76	293	17	2,951	0	-8.1	11.0	0	79	282	23	5,486	0	-24.3	13.1	0	77	271	30	9,015	0	-49.7		0	75	274	41
		11,619	0	-54.5		0	88	273	48	13,466	0	-54.3		0	93	271	46	16,046	0	-58.6		0	95	270	42	20,374	3	-61.2		3	95	276	29	23,551	9	-61.4		10	84	286	21
TRAPANI/BIRGI	3	1,011		11.4	3.2					1,430	0	2.1	8.3	0	65	272	13	2,975	0	-6.2	14.2	0	80	273	22	5,518	0	-23.6	17.8	0	78	266	22	9,057	1	-50.2		2	79	267	40
		11,663	1	-55.2		3	89	267	45	13,509	2	-55.7		9	92	270	43	16,067	3	-60.0		9	93	270	42	20,382	10	-62.1		16	94	280	32	23,524	13	-61.6		17	82	281	15
YUGOSLAVIA																																									
ZAGREB/MAKSIMIR	1	1,000		-5.9						1,404	0	-6.9	3.5	0	10	214	1	2,904	0	-13.0	5.4	0	44	253	5	5,395	0	-28.8	7.5	0	69	256	11	8,861	0	-52.3		0	77	255	18
		11,440	0	-56.3		0	83	261	19	13,264	1	-54.8		1	91	267	20	15,838	1	-58.1		1	94	270	20	20,193	10	-60.3		9	94	277	18								
BEOGRAD/ZELENO BRDO	2	986		-3.8	4.3					1,411	0	-5.6	6.5	0	34	235	3	2,919	0	-11.3	8.3	0	65	257	6	5,423	0	-27.6	8.7	0	78	262	13	8,903	0	-52.4		0	79	267	20
		11,471	0	-57.3		0	87	270	21	13,298	0	-56.0		0	92	272	22	15,863	0	-58.2		0	95	274	22	20,182	0	-60.6		0	95	278	20	23,377	8	-61.0		8	85	277	18
BULGARIA																																									
SOFIA OBS.		944		-3.7	3.8					1,421	0	-4.3	3.9	0	27	242	2	2,938	0	-9.5	6.5	0	64	242	8	5,454	0	-25.8	6.8	0	76	250	12	8,957	0	-51.5	5.5	0	80	253	19
		11,538	0	-50.8	5.8	0	85	255	24	13,357	1	-55.9	6.4	1	91	256	25	15,928	2	-58.6	6.8	2	94	260	24	20,271	11	-61.3	7.5	9	97	263	22	23,439	20	-61.1	7.7	9	95	263	21
ROMANIA																																									
CLUJ	1	965		-9.3	1.5					1,395	0	-7.9	3.3	0	70	220	4	2,889	0	-13.2	6.1	0	50	250	5	5,370	0	-29.2	3.9	0	80	245	13	8,829	0	-52.8	3.6	0	80	255	18
		11,389	0	-59.0	1.7	0	80	270	20	13,205	0	-57.0	3.5	0	90	265	22	15,755	0	-58.3	3.9	0	80	265	20	20,165	18	-58.9		18	90	260	20								
BUCURESTI/IMH	1	1,005		-8.2	1.5					1,416	0	-5.2	5.2	0	30	220	3	2,926	0	-10.6	8.1	0	60	230	7	5,436	0	-27.1	6.6	0	75	235	12	8,925	0	-51.7	5.5	0	75	245	19
		11,495	0	-58.5	4.7	0	80	255	18	13,312	0	-56.6	5.2	0	95	250	21	15,874	0	-57.6	5.8	0	95	250	20																
CONSTANTA	1	1,014		-2.0	2.7					1,416	0	-3.8	4.9	1	30	255	3	2,934	0	-10.3	7.3	1	40	260	4	5,447	0	-26.2	7.4	1	60	250	6	8,942	0	-51.4	5.5	2	70	245	9
		11,508	0	-59.0	5.2	2	80	255	13	13,322	0	-57.4	5.9	2	80	255	16	15,869	0	-58.8	6.0	2	80	260	15																
TURKEY																																									
SAMSUN	2	1,015		10.7	7.3					1,458	0	1.6	8.7	0	57	250	4	2,997	0	-6.9	10.2	0	70	260	7	5,539	0	-23.6	8.4	0	79	240	11	9,070	0	-50.1		0	81	250	17
		11,657	0	-56.0		0	84	270	16	13,489	0	-55.8		2	83	260	15	16,052	1	-58.6		5	82	260	14	20,398	6	-60.5		14	89	270	16	23,582	12	-60.1		22	90	260	18
ISTANBUL/GOZTEPE	2	1,010		8.0	5.4					1,439	2	0.1	6.5	2	46	220	6	2,972		-7.6	12.6	2	80	225	11	5,507	2	-23.7	10.8	2	80	245	12	9,027	4	-50.5		4	81	245	18
		11,609	9	-57.0		9	95	250	19	13,446	10	-56.2		11	90	255	20	15,981	13	-60.3		13	86	255	19	20,286	25	-62.3		26	94	265	17	23,403	27	-60.6		27	83	260	19
IZMIR	2	1,009		12.4	5.5					1,439	0	2.6	3.3	0	60	220	6	2,985	0	-6.1	5.0	0	67	260	8	5,537	0	-22.5	7.9	0	65	270	13	9,077	0	-49.2		0	66	270	21
		11,660	0	-56.7		0	62	270	23	13,396	0	-56.6		0	69	280	22	15,943	0	-59.8		1	82	270	73	20,324	8	-62.7		12	72	270	18	23,471	12	-60.6		15	70	270	16
ANKARA/CENTRAL	2	911		5.0	10.5					1,470	0	2.0	5.0	0	71	180	5	3,012	0	-6.1	12.1	0	75	240	9	5,570	0	-22.0	13.2	0	79	250	15	9,117	0	-49.3		0	87	250	27
		11,707	0	-56.5		0	88	260	31	13,536	0	-56.1		0	88	255	30	16,093	0	-59.7		0	85	260	29	20,393	1	-61.1		5	83	260	20	23,566	5	-60.0		5	81	255	17
ISPARTA	2	899		6.7	5.8					1,471	0	3.5	4.6	0	67	172	4	3,016	0	-5.4	6.1	0	75	242	12	5,575	0	-22.0	6.6	0	78	238	14	9,130	0	-48.9		0	83	244	24
		11,719	0	-56.8		0	85	257	28	13,446	1	-56.8		1	80	262	24	16,093	1	-60.4		1	78	264	22	20,370	2	-62.9		2	78	254	18	23,539	7	-62.5		7	79	253	19
USSR																																									
MURMANSK		1,004		-18.6	1.9					1,332	0	-15.5	3.3	0	29	346	3	2,772	0	-24.5	5.0	0	48	357	6	5,150	0	-39.1	4.8	0	54	359	10	8,513	0	-56.0	4.3	0	66	359	15
		11,072	0	-58.5	5.0	0	72	351	13	12,875	0	-60.0	5.4	0	66	352	10	15,379	0	-63.7	5.7	0	63	357	9	19,577	2	-67.4	5.8	2	46	24	7	22,636	6	-65.6	5.9	8	58	39	10
ARKHANGELSK		1,013		-24.0	3.1					1,303	0	-19.6	2.7	0	34	359	2	2,732	0	-25.2	4.6	0	29	347	2	5,106	0	-39.7	4.2	0	42	298	4	8,457	0	-56.1	3.8	0	49	291	6
		11,017	0	-58.5	4.1	0	49	298	6	12,817	0	-60.3	4.2	0	55	304	6	15,325	0	-63.7	4.3	0	49	301	5	19,509	2	-68.0	4.5	2	32	306	3	22,583	6	-65.7	4.7	6	30	309	3
LENINGRAD /TOWN/VILLE/		1,004		-14.4	2.3					1,335	0	-13.6	4.6	0	18	343	2	2,796	0	-20.5	5.4	0	36	306	5	5,214	0	-34.9	5.6	0	48	284	10	8,610	0	-55.7	4.7	0	54	273	15
		11,162	0	-59.2	5.0	0	60	280	12	12,964	0	-59.9	5.5	0	60	283	11	15,476	0	-62.4	5.8	0	70	282	12	19,723	2	-66.6	6.0	2	79	286	18	22,818	5	-66.1	6.1	7	81	280	20
KAUNAS		1,003		-9.9	1.9					1,363	0	-10.3	4.4	0	36	248	3	2,837	0	-18.3	5.2	0	48	258	5	5,274	0	-33.5	4.5	0	42	255	6	8,683	0	-55.5	3.7	5	23	245	4
		11,239	0	-58.3	4.0	7	27	251	5	13,049	0	-58.3	4.3	8	33	251	5	15,591	0	-60.0	4.6	9	41	254	6	19,883	0	-62.6	4.8	9	52	252	9	23,032	3	-63.2	5.0	9	52	260	10
MINSK		985		-11.1	2.5					1,366	0	-10.6	5.7	0	52	271	5	2,841	0	-17.8	7.2	0	62	268	7	5,288	0	-33.3	5.9	0	55	251	10	8,696	0	-56.0	5.3	0	49	251	14
		11,247	0	-58.4	6.0	0	68	261	14	13,055	0	-58.9	6.7	0	80	269	15	15,585	0	-61.2	7.3	0	84	272	16	19,844	0	-64.5	7.8	0	82	278	21	22,962	0	-64.5	8.2	0	88	281	26
VOLOGDA		995		-17.2	3.1					1,323	0	-14.1	4.3	0	26	268	3	2,781	0	-19.8	7.3	0	42	237	7	5,208	0	-34.3	6.1	2	51	241	14	8,608	0	-56.4	5.0	7	60	213	19
		11,145	0	-59.6	5.4	8	54	209	12	12,945	0	-59.4	5.3	8	75	225	13	15,471	0	-61.5	5.4	9	83	219	15	19,747	3	-64.2	5.5	9	86	223	19	22,837	11	-62.8	5.6	9	87	215	18
MOSKVA		988		-10.3	1.6					1,349	1	-11.3	3.0	1	47	272	6	2,825	1	-17.0	4.7	1	50	265	9	5,281	1	-31.9	5.0	1	50	259	13	8,713	1	-55.6	4.5	1	50	255	17
		11,252	1	-60.2	4.9	1	62	262	17	13,047	3	-59.1	5.2	3	78	263	17	15,583	4	-61.6	5.7	3	85	265	18	19,857	6	-64.7	6.1	6	88	268	24	22,964	7	-64.6	6.3	7	89	266	28
KAZAN		1,000		-10.5	2.4					1,378	0	-9.6	4.3	0	65	244	8	2,860	0	-15.9	6.9	0	55	252	9	5,320	0	-31.2	5.5	1	62	254	14	8,754	0	-55.3	4.4	2	68	263	18
		11,294	1	-62.1	4.2	8	59	263	15	13,076	1	-60.4	4.6	9	59	273	12	15,618	4	-61.2	5.1	9	61	262	11	19,897	4	-62.9	5.2	9	58	267	10	23,044	4	-62.5	5.8				
SARATOV		1,000		-10.2	2.3					1,428	0	-6.9	7.0	0	61	235	9	2,925	0	-13.6	8.6	0	61	244	11	5,405	0	-28.9	7.3	0	61	256	13	8,860	0	-54.8	5.4	0	53	275	14
		11,389	0	-62.7	5.2	1	76	270	19	13,173	0	-59.9	5.5	4	88	268	20	15,704	0	-60.8	5.9	9	93	266	20	20,019	1	-61.9	6.5	9	90	265	20	23,164	3	-61.1	7.0	9	90	264	23

UPPER AIR DATA

JANUARY 1985

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
USSR																																									
LVOV		975		-7.6	3.8					1,390	1	-9.0	5.6	1	45	250	4	2,878	1	-15.5	6.2	2	68	248	6	5,342	1	-31.4	6.0	2	75	253	11	8,777	1	-53.6	5.0	6	67	252	13
		11,352	1	-57.6	5.1	7	73	265	11	13,163	1	-57.3	5.6	7	84	270	13	15,716	1	-59.0	6.0	8	93	274	16	20,040	2	-60.6	6.4	9	88	277	19	23,214	2	-60.9	6.7	9	85	275	23
KIEV		995		-8.7	3.0					1,392	0	-8.0	6.3	0	36	269	4	2,883	0	-14.2	7.5	0	54	252	8	5,357	0	-28.9	7.2	0	67	254	13	8,830	0	-52.6		0	72	253	19
		11,390	0	-59.0		0	81	258	20	13,204	0	-57.5		0	87	261	20	15,751	0	-59.4		0	89	264	21	20,046	0	-61.9		0	91	268	24	23,189	1	-62.6		2	87	267	26
HAR KOV		998		-6.3	2.3					1,404	0	-6.5	5.6	0	47	242	6	2,909	0	-12.6	8.9	0	66	246	10	5,400	0	-28.9	7.2	0	72	250	14	8,867	0	-53.1		0	72	255	19
		11,421	1	-60.4		1	85	261	21	13,226	1	-58.4		1	91	265	22	15,767	1	-60.3		1	91	269	23	20,067	1	-62.4		1	88	268	26	23,235	3	-61.4		3	90	266	28
ODESSA		1,007		-1.5	3.0					1,391	9	-2.5	5.9	9	60	243	7	2,910	9	-9.2	7.8	9	78	242	12	5,436	9	-24.8	6.8	9	85	246	16	8,974	9	-49.2	5.0	9	78	247	22
		11,547	9	-59.6	4.9	9	81	251	24	13,356	9	-56.8	6.2	9	89	255	25	15,921	9	-58.5	7.1	9	92	256	24	20,278	9	-60.6	8.2	9	95	261	23	23,458	9	-59.9	8.9	9	92	261	23
ROSTOV-NA-DONU		1,008		-3.4	2.7					1,429	0	-3.6	6.1	0	68	233	8	2,944	0	-11.4	8.2	0	68	246	10	5,443	0	-28.4	7.3	0	74	252	15	8,896	0	-55.0	5.2	0	74	259	20
		11,434	0	-59.9	5.4	0	85	265	21	13,237	0	-58.2	6.2	0	90	266	23	15,777	1	-59.9	7.0	1	89	265	24	20,105	3	-59.8	7.4	5	95	263	23	23,311	9	-58.3	8.1	9	89	261	24
TBILISI		961		3.0	5.7					1,475	2	-1.3	6.1	9	45	305	3	3,001	1	-8.2	7.6	0	74	283	7	5,535	1	-23.7	8.0	0	79	287	10	9,056	4	-51.8	6.3	4	81	280	18
		11,624	6	-59.5	6.6	7	83	285	20	13,438	8	-58.5	7.0	8	86	281	22	15,977	10	-60.5	7.5	9	86	282	20	20,274	19	-61.6		9	85	280	14								
AFRICA																																									
MOROCCO																																									
CASABLANCA	2	1,010		13.4	4.9					1,488	0	5.8	8.2	0	58	260	6	3,052	1	-1.9	11.9	2	52	273	6	5,644	1	-19.0	11.2	3	61	294	10	9,246	4	-45.6		9	66	281	14
		11,863	6	-56.3						13,702	8	-55.4						16,246	14	-60.2																					
ALGERIA																																									
ALGER/DAR EL BEIDA	3	1,013		10.2	5.0					1,461	0	1.7		9	75	290	10									5,539	0	-22.4	10.7	9	71	290	15	9,099	0	-49.9		9	73	290	18
		11,701	0	-56.0		9	87	290	24	13,036	0	-55.3		9	89	280	23																								
ELBAYADH										1,482	3	4.9		4	5	290	4	2,977	3	-3.7	13.1	4	7	290	9	5,631	3	-19.4	14.0	4	8	280	14	9,220	3	-43.7		6	7	280	21
		11,762	3	-55.0		7	9	270	27	13,657	3	-56.5		8	10	270	28	16,221		-62.7																					
BECHAR	2	925		10.2	11.3					1,503	0	5.2	4.6	4	45	260	3	3,065	0	-2.5	13.8					5,650	0	-15.2	13.9					9,237	0	-45.8					
		11,850	0	-55.5						13,677	0	-56.8						16,226	5	-63.3																					
SUDAN																																									
KHARTOUM	3	967		31.7	20.9					1,513	0	22.1	18.3	1	82	25	5	3,174	0	13.1	21.5	1	36	270	2	5,995	0	-6.2	19.8	2	46	280	3	9,677	0	-33.5	15.7	3	69	330	12
		12,400	0	-53.8		9	88	278	23	14,200	3	-69.0		9	87	280	22	16,578	7	-77.7		9	60	278	9	20,590	18	-66.1		9	64	100	7								
MAURITANIA																																									
NOUADHIBOU	2	1,018		16.6	6.0					1,533	4	12.4	18.6	8	50	60	3	3,142	4	5.6	24.7	9	43	310	3	5,820	4	-11.3	22.6	9	78	290	10	9,507	4	-40.3	14.1	9	84	270	20
		12,184	4	-53.5		9	99	280	35	14,000	5	-60.7		9	94	280	25	16,700	5	-70.1		9	95	270	19	20,592	19	-65.9													
SENEGAL																																									
DAKAR/YOFF	3	1,011		18.6						1,523	0	18.8		0	33	336	2	3,157	0	7.8		0	84	249	7	5,840	0	-9.8		0	83	242	10	9,588	0	-35.1		0	92	274	28
		12,301	0	-54.5		0	93	255	31	14,092	0	-65.7		0	90	260	23	16,501	0	-74.8		3	77	260	12																
NIGER																																									
NIAMEY-AERO	3	987		26.3	29.9					1,522	9	20.6	27.2	9	4	70	5	3,171	9	10.4	18.4	9	12	170	1	5,872	9	-7.4	12.6	9	39	250	6	9,657	9	-33.4	11.4	9	49	270	20
		12,378	10	-55.1		9	44	270	23	14,157	14	-67.5		9	48	260	22	16,538	17	-76.3		9	35	250	10																
KENYA																																									
NAIROBI/DAGORETTI	1	821		15.8	4.4													3,130	17	9.8	7.9	2	95	55	7	5,843	17	-5.5	17.1	2	91	95	9	9,661	17	-31.9	17.3	2	21	5	2
		12,396	17	-53.3		2	56	170	4	14,185	17	-67.5		2	26	225	2	16,526	17	-81.7		3	23	125	2	20,468	18	-71.9		6	47	265	10	23,652	19	-55.1		9	79	290	8
ETHIOPIA																																									
ASMARA	2	771		22.7	21.5													3,160	4	13.1	14.1	4	60	225	5	5,882	4	-7.0	15.0	4	50	270	6	9,657	4	-34.9	13.0	4	71	280	14
		12,370	4	-55.1	10.4	4	88	265	26	14,142	4	-68.3		4	96	275	27	16,505	6	-78.9		7	58	275	26	20,500	18	-68.0		18	33	95	21	23,643	25	-58.6		25	87	110	15
ADDIS ABABA	2	766		22.1	17.3													3,137	0	11.9	10.2	3	100	120	4	5,857	0	-5.8	25.7	9	82	75	11	9,672	0	-31.2	22.4	12	50	25	12
		12,413	0	-51.8	16.5	16	81	285	16	14,239	2	-66.0		19	69	275	13	16,586	3	-80.1		23	67	255	9	20,567	5	-67.8		23	95	75	19	23,755	21	-56.1		27	95	85	19
ZIMBABWE																																									
BULAWAYO/GOETZ OBS	1	866		18.7	1.7					1,500	0	18.7	3.3	0	73	100	6	3,148	0	10.6	6.0	0	45	79	3	5,871	0	-5.5	9.2	0	55	99	3	9,687	1	-31.8	13.7	1		0	**
		12,421	1	-54.1	14.2	3	6	135	1	14,205	1	-68.5		3	25	166	2	16,556	1	-80.4		3	71	86	8																
SALISBURY/BELVEDERE	1	853		18.2	1.4					1,503	3	18.1	1.3	0	63	68	3	3,152	3	10.0	3.2	0	44	34	2	5,874	3	-4.9	5.7	0	18	27	1	9,702	4	-30.9	9.1	2	31	104	2
		12,437	6	-53.7	16.8	2	42	157	4	14,225	6	-68.2		4	46	131	6	16,576	8	-81.4		6	75	109	9																
MADAGASCAR																																									
ANTANANARIVO/IVATO	3	875		21.1	7.5					1,512	0	19.5	6.7	0	36	12	3	3,151	0	9.0	5.2	1	50	14	4	5,862	0	-5.7	14.3	9	10	23	1	9,676	0	-31.6	11.7	9	38	26	7
		12,411	2	-53.9						14,200	2	-67.4						16,566	6	-78.0																					
SEYCHELLES																																									
SEYCHELLES INTERNATIONAL AP	2	1,009		28.2	4.4					1,501	0	17.4	3.3	0	82	261	4	3,138	0	9.6	6.7	0	41	276	2	5,850	0	-6.0	10.5	0	70	80	4	9,667	0	-31.4	15.1	0	61	106	4
		12,400	0	-53.8		0	49	107	5	14,188	0	-67.4		0	70	258	1	16,534	0	-82.6		0	25	161	2	20,473	2	-70.2		4	99	92	21	23,641	6	-55.4		12	13	290	1
OCEAN ISLANDS																																									
DIEGO GARCIA/MAURITIUS	1	1,009		27.1	1.6					1,500	21	17.2	2.3	21	56	293	4	3,140	21	9.6	7.4	21	65	273	3	5,856	21	-5.5	7.6	21	38	156	1	9,675	21	-32.0	7.9	22			
		12,396	22	-54.0						14,180	22	-68.7						16,533	23	-80.8																					
ILE NOUVELLE-AMSTERDAM	2	1,012		18.2	3.9					1,510	3	9.1	5.4	3	89	286	13	3,104	6	3.8	12.1	6	84	280	15	5,760	8	-11.0	12.4	8	93	284	13	9,481	10	-37.4	8.0	9	72	275	18
		12,157	10	-56.5		9	75	275	20	13,961	10	-60.6						16,474																							
SOUTH AFRICA																																									
J. G. STRIJDOM	1	829		20.1	10.0					1,493				1	65	277	**	3,152	1	12.9	14.9	1	66	74	4	5,876	1	-5.7	14.2	1	37	30	2	9,691	1	-31.8	20.9	1	71	288	5
		12,425	1	-53.3		1	84	307	12	14,216	1	-66.6		1	82	318	11	15,490	1	-79.0		1	52	6	4	20,620	4	-65.7		6	97	93	13								
UPINGTON	1	916		25.7	15.6					1,494	0	23.8	20.4	0	5	287	1	3,157	0	12.3	15.5	0	70	298	5	5,873	0	-6.9	18.1	0	83	297	7	9,665	0	-32.6	16.7	0	90	292	14
		12,389	0	-54.1		0	92	292	18	14,180	0	-56.1		0	94	287	19	16,571	1	-76.0		1	90	294	12	20,633	3	-66.5		4	83	105	9								
PRETORIA/IRENE	1	849		17.4	2.9					1,510				0	71	88	2	3,165	0	10.7	8.5	0	42	121	2	5,868	0	-6.8	10.0	0	57	242	3	9,671	0	-52.2	14.9	0	74	271	7
		12,401	0	-53.6		0	80	269	11	14,195	0	-65.9		0	86	268	11	16,587	1	-76.7		2	53	264	3	20,637	2	-66.2		3	97	106	12								

UPPER AIR DATA

JANUARY 1985

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
AFRICA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
SOUTH AFRICA																																									
BLOEMFONTEIN/J.B.M. HERTZOG	1	865		20.1	7.6					1,503	0	20.2	10.7	0	61	23	2	3,157	0	11.7	13.2	0	70	297	4	5,868	0	-7.4	14.9	0	75	272	6	9,660	0	-32.9	15.9	0	92	281	13
		12,382	0	-54.2		0	88	280	19	14,172	0	-65.9		0	95	276	20	16,570	0	-74.9		0	86	275	10	20,645	3	-64.9		4	91	95	8	23,823	7	-56.3		8	98	93	15
ALEXANDER BAY	1	1,010		17.7	1.8					1,497	1	18.9	25.9	1	60	198	3	3,144	1	11.5	26.1	1	76	313	7	5,858	1	-6.8	28.9	1	82	304	10	9,643	1	-33.7	27.1	1	87	296	17
		12,360	1	-54.1		1	94	299	23	14,152	1	-65.5		1	94	298	21	16,554	1	-75.3		1	93	306	12	20,620	3	-66.4		4	97	105	9	23,780	6	-57.3		9	99	95	15
CAPE TOWN/D.B.MALAN	1	1,007		18.6	3.5					1,490	0	15.7	17.7	0	27	305	1	3,115	0	8.3	27.1	0	78	292	8	5,806	0	-8.6	24.6	0	91	291	16	9,552	0	-36.7	17.3	0	90	290	25
		12,247	0	-54.4		1	95	291	36	14,053	1	-63.0		1	96	291	37	16,508	2	-69.3		2	96	288	22	20,691	8	-62.8		9	79	93	6								
PORT ELIZABETH	1	1,006		20.2	2.5					1,510	1	15.7	10.2	1	14	360	1	3,139	1	8.9	21.5	1	87	288	7	5,835	1	-8.3	27.3	1	93	283	13	9,591	1	-36.0	18.1	1	93	286	20
		12,286	1	-54.7		2	96	283	27	14,085	2	-63.9		3	95	280	26	15,430	4	-71.0		5	89	278	12	20,675	8	-63.3		8	58	111	3								
DURBAN/LOUIS BOTHA	1	1,010		23.6	2.2					1,509	1	17.8	4.8	1	17	233	1	3,149	1	9.3	8.9	1	21	293	1	5,847	1	-8.2	8.9	1	69	265	5	9,629	1	-33.6	10.3	1	88	269	14
		12,345	2	-54.1		2	91	267	21	14,142	3	-65.0		6	93	264	19																								
GOUGH ISLAND	1	1,009		11.8	3.4					1,468	0	6.2	13.0	0	79	257	11	3,043	0	0.0	21.8	0	83	263	15	5,664	0	-15.0	21.4	0	84	261	23	9,332	0	-40.7	16.0	0	85	270	30
		11,985	0	-57.1		0	89	271	45	13,792	0	-59.1		0	89	269	36	16,319	0	-61.5		3	91	270	19	20,654	8	-56.1		9	34	95	2								
MARION ISLAND	1	1,002		7.1	1.5					1,367	0	2.2	10.2	0	81	275	14	2,920	0	-3.3	17.5	0	87	275	21	5,508	0	-18.4	18.0	0	91	273	31	9,128	0	-43.4	18.4	0	89	270	43
		11,777	0	-53.1		2	92	270	43	13,620	4	-55.3		4	93	272	43	16,212	7	-56.3		9	89	274	25																
ASIA																																									
USSR-WESTERN																																									
DRUJNAYA/OSTROV HEJSA/		1,014		-24.4	2.2					1,316	0	-21.1	3.1	0	24	86	3	2,740	0	-25.4	3.9	0	31	75	4	5,121	0	-38.2	4.2	0	24	63	4	8,492	0	-55.2	3.7	0	18	76	4
		11,077	0	-54.8	4.1	0	43	79	7	12,917	0	-54.7	4.5	0	48	91	8	15,502	0	-56.2	5.0	0	79	101	14	19,899	0	-56.7	5.7	0	82	118	23	23,149	0	-55.1	6.2	0	82	127	29
MYS CELJUSKIN		1,021		-27.6	2.1					1,356	0	-21.9	4.7	0	42	160	5	2,776	0	-25.5	7.2	0	54	152	8	5,153	0	-38.7	5.9	0	54	139	9	8,505	0	-56.1	5.1	0	43	125	8
		11,084	0	-53.1	6.6	0	60	141	8	12,937	0	-52.5	7.6	0	75	150	10	15,554	0	-52.0	8.8	0	78	156	14	20,041	0	-52.2	9.4	0	84	168	20	23,339	0	-53.0	9.4	0	86	173	20
OSTROV DIKSON		1,010		-29.6	2.2					1,305	0	-22.0	2.6	0	17	132	2	2,722	0	-26.3	3.0	0	30	112	3	5,089	0	-39.4	3.5	0	24	115	3	8,431	0	-57.4	3.4	0	24	117	4
		11,003	0	-55.2	4.6	0	35	129	5	12,833	0	-55.8	5.4	0	44	138	6	15,406	0	-56.9	5.9	0	63	147	10	19,801	4	-54.6	7.1	4	78	156	21	23,106	6	-51.8	7.8	7	89	161	29
MYS KAMENNYJ		1,014		-29.1	2.7					1,292	0	-21.4	3.0	7		65	**	2,712	0	-26.6	4.1	7	11	179	1	5,075	0	-39.7	3.9	8	22	231	3	8,434	1	-55.8	3.4	9	37	214	6
		11,018	3	-56.0	3.7	9	39	219	5	12,842	3	-56.9	3.9	9	42	212	6	15,401	3	-58.5	4.3	9	68	196	9	19,714	9	-59.6	4.5					22,894	16	-56.3	4.9				
NAR JAN-MAR		1,012		-27.0	3.2					1,292	0	-20.0	3.3	0	18	50	2	2,716	0	-25.6	4.7	0	6	334	1	5,086	0	-39.5	4.3	0	18	274	4	8,438	0	-55.8	3.8	0	2	275	8
		11,011	0	-56.5	4.3	0	43	282	6	12,829	0	-58.4	4.6	0	31	277	4	15,358	0	-61.8	4.9	0	18	262	3	19,626	1	-63.8	5.0	1	28	190	5	22,768	1	-60.1	5.6	2	50	177	11
SALEHARD		1,015		-25.1	3.2					1,348	14	-16.8	3.5	9	55	277	5	2,787	14	-22.6	5.9	9	64	283	9	5,188	14	-36.7	5.5	9	77	277	18	8,574	14	-56.5	4.4	9	80	273	23
		11,140	16	-57.7	5.3	9	73	274	14	12,953	16	-58.0	5.7	9	66	270	10	15,510	17	-58.6	6.6	9	73	248	11	19,864	17	-56.5	7.8	9	83	222	14								
HATANGA		1,019		-33.9	2.8					1,339	0	-23.3	3.0	1	34	150	3	2,751	0	-27.6	4.4	1	33	145	3	5,108	0	-40.6	4.8	0	17	45	2	8,452	0	-56.2	4.1	0	23	81	3
		11,041	0	-53.3	4.7	1	52	128	5	12,897	0	-52.7	5.1	0	70	142	8	15,516	0	-51.8	5.8	0	85	148	12	20,015	0	-51.0	7.2	2	86	160	17	23,331	1	-51.0	7.9	3	90	165	17
TURUHANSK		1,015		-27.2	3.5					1,340	0	-21.9	3.2	0	62	216	7	2,758	0	-25.5	4.4	0	55	240	7	5,138	0	-38.5	4.3	0	48	262	9	8,499	1	-56.9	4.0	0	54	269	13
		11,053	0	-56.9	5.0	0	53	273	9	12,876	0	-56.6	5.9	0	55	260	7	15,443	0	-57.3	6.9	0	53	234	7	19,867	4	-54.6	8.8	4	79	187	14	23,184	12	-51.8	9.9	9	91	182	20
SYKTYVKAR		997		-21.0	2.7					1,321	0	-15.6	5.1	0	43	267	5	2,773	0	-21.8	6.8	0	68	259	10	5,179	0	-36.1	7.0	0	68	261	17	8,563	0	-56.0		0	74	265	22
		11,116	0	-59.4		0	74	267	17	12,916	0	-59.8		0	76	267	15	15,441	1	-62.7		1	78	265	15	19,700	3	-65.2		4	82	252	18	22,872	6	-61.2		6	84	240	20
HANTY-MANSIJSK		1,009		-20.5	2.7					1,332	0	-14.3	5.6	0	81	258	10	2,796	0	-19.6	5.5	0	90	266	15	5,219	0	-34.7	5.1	0	85	267	20	8,608	0	-57.1	3.8	0	84	268	23
		11,133	0	-60.7	4.4	0	85	268	18	12,922	0	-59.6	5.1	0	91	267	16	15,447	0	-61.1	5.6	0	88	260	15	19,750	2	-61.6	6.4	2	88	248	18	22,928	6	-58.2	7.2	6	86	233	21
TURA		1,003		-40.2	3.0					1,378	0	-23.5	2.9	0	42	260	3	2,795	0	-26.5	3.8	0	46	281	4	5,157	0	-39.9	3.9	0	54	294	7	8,498	0	-57.8	3.9	0	60	303	10
		11,055	0	-55.6	5.0	0	53	300	6	12,894	0	-55.2	5.9	0	46	283	4	15,498	0	-53.9	7.1	0	49	215	4	19,975	0	-51.3	9.3	0	84	178	11	23,294	2	-50.0	10.9	2	87	176	13
SVERDLOVSK		981		-12.5	4.0					1,392	0	-11.2	7.3	0	74	258	11	2,865	0	-17.7	7.5	0	74	261	12	5,308	0	-33.6	7.1	0	68	262	15	8,702	0	-56.7	5.1	0	74	268	20
		11,221	0	-62.4	5.2	0	84	269	18	13,007	0	-60.7	6.0	0	92	268	18	15,525	0	-61.8	6.8	0	89	266	18	19,814	0	-61.9	7.9	1	96	257	21	23,049	6	-58.3	9.2	7	98	249	25
OMSK		1,014		-16.2	2.9					1,445	0	-9.8	8.8	0	79	258	12	2,929	0	-16.4	8.6	0	74	259	13	5,387	0	-32.0	7.7	0	74	264	16	8,809	0	-56.1	5.2	0	73	269	18
		11,316	0	-63.5	5.2	0	85	270	18	13,080	0	-60.3	5.9	0	90	270	18	15,602	0	-60.4	6.8	0	90	268	18	19,922	0	-59.8	8.0	0	90	259	19	23,174	2	-55.6	9.2	2	88	246	20
KOLPASEV		1,013		-17.5	2.9					1,411	0	-14.1	4.1	0	77	264	12	2,873	0	-19.0	5.4	0	81	274	16	5,307	0	-33.2	5.0	0	75	283	20	8,715	0	-56.6	3.5	0	72	290	23
		11,244	0	-62.8	3.8	1	79	289	21	13,027	0	-60.0	4.6	1	81	281	17	15,561	1	-59.6	5.4	2	83	271	15	19,914	4	-57.6	6.6	5	77	251	14	23,178	7	-53.6	7.4	8	73	226	14
KRASNOJARSK		1,002		-18.5	3.2					1,461	1	-15.9	3.0	1	85	275	12	2,910	1	-20.9	3.3	1	80	289	14	5,328	2	-34.3	2.9	2	76	294	18	8,727	3	-56.4	2.5	3	78	298	23
		11,253	6	-62.5	2.8	6	87	302	21	13,057	7	-58.8	3.4	6	89	296	17	15,594	9	-58.1	4.1	9	83	288	14	19,977	12	-54.5	5.5	9	77	258	10	23,283	18	-51.7	5.7	9	67	232	8
KIRENSK		996		-32.0	2.9					1,416	0	-23.6	2.7	2	86	263	7	2,826	0	-27.2	3.5	2	73	293	8	5,190	1	-40.3	3.7	1	80	308	13	8,521	1	-58.4	3.3	1	78	317	16
		11,080	1	-56.3	4.2	1	82	322	14	12,900	3	-54.7	4.7	2	81	314	11	15,499	5	-53.5	5.7	3	61	313	6	19,991	10	-50.6	7.7	9	45	236	3	23,355	13	-50.3	8.5	9	33	161	2
ORENBURG		1,009		-13.4	3.5					1,437	0	-9.2	9.0	0	51	236	7	2,920	0	-15.9	9.3	0	57	246	9	5,371	0	-32.4	7.4	0	51	256	11	8,781	0	-58.3	5.3	0	61	266	14
		11,303	0	-61.1	5.6	0	74	267	16	13,102	1	-60.5	6.2	4	81	263	16	15,646	4	-61.2	7.1	4	90	262	18	19,956	9	-61.9	8.0	9	89	259	19	23,136	14	-60.5	9.0	9	93	253	17
KUSTANAJ		1,001		-14.6	3.8					1,425	2	-10.0	7.8	2	68	247	9	2,903	2	-16.2	6.9	2	68	252	11	5,365	2	-30.5	6.8	2	68	260	14	8,823	2	-53.0		2	63	265	16
		11,355	3	-61.3		3	76	266	17	13,142	3	-59.0		3	90	265	18									20,025	7	-60.5		7	98	262	21	23,278	9	-58.6		9	96	254	22
KARAGANDA		961		-13.3	4.4					1,494	0	-8.2	9.6	0	31	226	4	2,985	0	-14.2	10.2	0	37	251	5	5,460	0	-29.1	7.9	0	49	263	8	8,923	0	-54.4	5.5	0	55	265	12
		11,437	1	-63.2		1	72	270	16	13,231	3	-60.0		5	85	274	17	15,760	10	-59.5		9	87	274	18	20,072	20	-58.5		9	93	267	18								
GUREV		1,027		-7.2	2.2					1,464	0	-5.1	9.0	2	9	222	3	2,973	0	-10.7	11.8	0	36	243	4	5,483	0	-25.9	10.9	0	48	276	8	9,012	0	-49.1		0	67	284	14
		11,598	0	-60.0		0	78	279	18	13,398	0	-58.7		0	90	275	21	15,955	0	-58.5		1	93	270	23	20,294	4	-60.6		4	96	268	23	23,500	12	-59.8		9	95	263	22
ASHABAD		984		1.4	3.1					1,480	10	2.0	9.0	9	20	231	1	3,036	10	-5.6	10.3	9	83	267	7	5,593	10	-21.4	11.9	9	91	273	13	9,152	10	-47.6	8.3	9	88	267	21
		11,757	11	-57.6	8.0	9	92	276	26	13,582	11	-56.0	8.4	9	92	274	26	16,142	12	-60.7	8.6	9	96	276	22	20,401	12	-63.2	8.8	9	96	271	15	23,540	13	-61.2	8.9	9	91	274	12
TASKENT		964		0.3	4.5					1,503	0	-0.6	9.1	0	17	203	1	3,026	0	-9.5	8.0	0	72	237	7	5,536	0	-26.4	7.3	0	80	244	13	9,028	0	-53.0	5.3	0	80	259	19
		11,581	0	-59.8	5.2	0	84	270	21	13,387	0	-57.3	6.0	0	96	272	23	15,939	0	-59.7	6.6	0	96	275	22	20,248	0	-61.0	7.2	0	95	272	18	23,439	1	-59.3	7.9	1	87	269	13
ALMA-ATA		935		-8.3	3.1					1,505	0	-3.0	9.3	0		95	**	3,029	0	-9.6	12.0	0	59	270	3	5,539	1	-28.2	8.7	0	67	281	10	9,006	0	-54.9	6.3	9	83	287	22
		11,545	6	-60.8	6.1	9	92	300	21	13,341	8	-57.9	6.6	9	94	295	23	15,881	10	-59.9	7.2	9	96	293	26	20,134	21	-61.5	7.3	9	93	290	22								
USSR-EASTERN																																									
OSTROV KOTELNYJ		1,028		-28.3	2.5					1,416	0	-20.7	4.4	0	6	114	1	2,841	0	-24.9	5.9	0	24	134	3	5,222	0	-38.4	5.2	0	31	146	5	8,590	0	-56.4	4.3	0	43	152	7
		11,168	0	-51.9	5.9	0	62	154	7	13,040	0	-50.4	7.6	0	74	157	8	15,702	0	-49.0	9.3	0	74	168	9	20,230	0	-51.3	0.5	0	73	186	9	23,537	0	-52.6	10.6	0	78	199	8

UPPER AIR DATA

JANUARY 1985

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
ASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
USSR-EASTERN																																									
OSTROV CETYREHSTOLBOVOJ		1,018		-26.6	2.1					1,376	2	-18.9	3.0	2	48	60	6	2,816	2	-22.4	5.3	2	32	66	4	5,224	2	-36.4	6.0	2	10	123	2	8,606	2	-55.3	4.9	2	10	161	2
		1,203	3	-51.0	6.0	3	40	163	5	13,078	4	-49.1	7.3	4	61	159	7	15,749	4	-48.6	8.6	5	64	148	7	20,284	6	-51.7	9.5	6	55	154	5	23,583	8	-53.0	9.8	9	43	150	3
MYS SMIDTA		1,019		-23.4	1.0					1,341	0	-17.2	1.1	0	55	62	6	2,792	0	-19.9	3.5	0	49	96	5	5,217	0	-34.3	4.3	0	36	169	4	8,626	0	-54.1	3.7	0	49	195	7
		1,241	0	-49.9	5.1	0	62	171	7	13,118	0	-49.0	6.3	0	61	163	7	15,778	0	-49.5	7.5	0	54	154	6	20,282	1	-53.2	8.4	1	10	73	1	23,576	2	-53.6	8.7	2	44	14	4
ANADYR		1,009		-18.2	2.6					1,289	0	-15.1	3.1	0	67	61	7	2,753	0	-17.9	5.4	0	63	92	6	5,190	0	-34.3	6.1	0	52	107	6	8,603	0	-54.9	5.0	0	47	155	7
		1,203	0	-51.1	7.1	0	72	140	8	13,081	0	-49.4	9.0	0	78	137	9	15,748	0	-49.0	10.9	0	80	136	9	20,275	0	-51.6	12.1	0	66	124	6	23,581	2	-53.7	12.6	2	50	99	4
KORF		1,002		-15.0	4.6					1,254	0	-12.2	4.4	0	66	64	6	2,724	0	-18.4	6.3	0	64	84	6	5,157	0	-34.2	6.5	0	53	94	7	8,560	0	-55.6	4.9	0	58	111	10
		1,150	0	-51.8	5.8	0	88	122	10	13,025	0	-49.5	6.7	0	94	125	10	15,682	0	-47.7	7.9	0	82	127	9	20,259	0	-48.9	9.7	0	78	122	8	23,620	2	-49.6	10.7	3	64	108	7
PETROPAVLOVSK/KAMCATSKIJ		988		-10.4	6.1					1,246	0	-12.8	5.5	0	43	33	3	2,703	0	-20.9	6.7	0	31	63	2	5,114	0	-36.8	5.8	0	37	112	3	8,483	0	-57.0	4.7	0	43	137	5
		1,067	0	-52.3	6.4	0	55	168	4	12,943	0	-49.7	8.0	0	68	186	5	15,617	0	-47.4	10.0	0	79	184	6	20,190	2	-49.6	11.6	2	76	166	5	23,524	3	-51.7	12.3	3	59	131	4
OHOTSK		1,014		-22.6	5.9					1,326	0	-21.7	6.9	0	80	44	5	2,751	0	-25.9	7.6	0	49	63	5	5,121	0	-40.3	6.7	0	43	99	7	8,455	0	-57.7	5.6	0	55	114	11
		1,038	0	-52.4	7.7	0	80	121	10	12,908	0	-50.0	9.6	0	80	123	10	15,581	0	-47.2	12.1	0	85	119	11	20,168	0	-48.7	14.3	0	81	115	9	23,507	0	-50.1	15.1	0	81	103	8
JUZNO-SAHALINSK		1,012		-18.1	2.3					1,326	0	-19.5	3.8	0	44	337	4	2,749	0	-26.2	5.4	0	34	296	3	5,105	0	-41.8	4.3	0	36	267	4	8,430	0	-55.1	4.5	0	78	269	13
		1,046	0	-50.3	6.6	0	92	266	18	12,927	0	-49.5	7.9	0	91	265	19	15,579	0	-49.5	9.0	0	95	262	18	20,115	0	-50.1	10.3	0	91	247	10	23,440	2	-52.2	10.8	2	65	225	4
VLADIVOSTOK		1,013		-17.6	5.2					1,384	0	-20.7	4.3	1	84	329	12	2,809	0	-24.6	5.9	0	82	296	11	5,196	0	-38.1	5.4	0	87	284	19	8,598	0	-53.1	5.3	0	92	275	30
		1,217	0	-50.8	6.6	0	95	272	33	13,095	0	-50.4	7.6	0	97	270	32	15,734	0	-51.7	8.3	0	91	269	28	20,225	1	-52.5	8.7	1	95	264	14	23,520	2	-52.8	9.2	2	76	257	6
OLENEK		999		-44.9	2.9					1,350	1	-24.5	3.6	2	26	184	2	2,752	1	-29.2	4.6	1	22	169	2	5,089	2	-42.3	4.8	1	5	104	1	8,421	1	-55.7	5.0	1	15	76	2
		11,024	1	-52.8	6.4	1	34	121	3	12,884	2	-51.9	7.8	2	63	135	5	15,524	5	-50.2	8.9	4	79	146	9	20,076	6	-50.3	10.9	6	88	161	13	23,409	9	-50.8	11.7	9	86	165	11
SEJMCAN		997		-34.0	3.5					1,345	0	-26.2	3.3	0	91	25	10	2,762	0	-24.3	4.9	0	72	76	8	5,153	0	-38.1	4.8	0	49	117	8	8,514	0	-58.0	4.1	0	55	135	11
		11,087	0	-52.6	6.0	0	86	127	11	12,957	0	-49.8	8.1	0	84	127	11	15,628	0	-47.5	10.6	0	85	125	11	20,202	0	-49.4	12.8	0	81	118	8	23,550	2	-50.7	13.4	3	83	107	8
JAKUTSK		1,017		-44.1	2.8					1,357	0	-26.5	2.8	0	68	325	4	2,751	0	-29.4	3.4	0	31	333	2	5,086	0	-42.4	3.5	0	18	115	2	8,395	0	-57.5	3.7	0	54	130	7
		10,971	0	-53.2	4.6	0	73	112	7	12,831	0	-51.4	6.0	0	78	110	7	15,475	0	-49.1	7.7	0	84	118	8	20,029	0	-48.5	9.7	0	75	122	7	23,374	0	-50.5	10.4	0	81	121	8
ALDAN		940		-32.1	3.1					1,396	0	-28.9	2.5	0	58	315	4	2,787	0	-30.2	2.8	0	47	339	4	5,125	0	-42.9	2.9	0	37	333	4	8,433	0	-58.3	3.0	0	24	4	3
		11,008	0	-53.0	4.8	0	34	37	3	12,874	0	-51.1	6.4	0	41	51	3	15,527	0	-49.2	8.0	0	39	93	3	20,107	0	-47.7	9.8	0	80	114	7	23,461	1	-49.8	10.2	2	82	119	7
CITA		943		-30.1	2.7					1,431	0	-22.4	4.2	0	72	322	5	2,847	0	-26.8	4.9	0	91	332	9	5,214	0	-39.7	5.6	0	79	331	13	8,570	0	-57.6		0	84	330	19
		11,125	0	-55.1		0	86	325	17	12,967	0	-53.3		0	88	319	15	15,592	0	-52.4		0	87	307	12	20,082	2	-50.3		2	66	294	5	23,422	5	-48.9		6	37	279	2
BLAGOVESCENSK		1,008		-26.1	3.9					1,383	7	-24.9	5.1	7	72	349	5	2,788	7	-28.4	5.8	7	49	343	4	5,132	7	-42.5		7	49	334	6	8,454	7	-55.9		7	72	314	10
		11,060	7	-50.7		7	81	295	11	12,941	7	-49.3		7	81	288	10	15,607	8	-48.6		7	85	282	9	20,158	7	-48.5		7	55	248	4	23,500	7	-50.6		7	33	199	2
HABAROVSK		1,013		-24.9	3.0					1,359	1	-23.6	4.3	1	49	308	3	2,771	1	-27.6	5.9	1	49	323	4	5,123	1	-42.1	5.8	1	37	284	5	8,444	2	-56.0		2	67	291	10
		11,048	2	-50.7		2	88	285	13	12,932	3	-49.9		3	86	280	13	15,580	3	-49.0		3	86	278	11	20,142	4	-48.8		3	78	259	7	23,479	4	-50.7		3	44	211	3
HONG KONG																																									
KINGS PARK	1	1,013		13.6	3.4					1,536	0	9.5	4.5	0	43	269	2	3,130	0	2.9	11.0	0	92	276	10	5,805	0	-8.7	20.8	0	97	268	25	9,583	0	-32.5	18.9	0	98	263	40
		12,316	0	-53.3	17.0	0	98	251	41	14,110	0	-66.4	15.8	0	99	248	39	16,499	1	-76.7	16.8	0	99	261	25	20,547	4	-65.6	20.4	0	79	258	8	23,684	7	-60.6	25.0	4	29	273	2
REPUBLIC OF KOREA																																									
POHANG	3	1,024		-1.9	10.6					1,468	0	-9.2	16.4	1	87	294	10	2,954	0	-14.3	14.6	1	93	283	17	5,442	0	-28.1	6.7	0	97	273	30	8,944	0	-50.0		3	98	265	48
		11,568	0	-51.3		4	99	265	8	13,426	0	-54.1		7	99	265	5	15,995	7	-58.9		9	98	266	44	20,329	1	-59.2		9	99	268	26	23,573	0	-55.3		9	85	267	16
JAPAN																																									
WAKKANAI	2	1,013		-8.7	3.0					1,340	0	-18.4	3.8	0	41	327	4	2,766	0	-26.1	7.2	0	63	285	7	5,129	0	-40.9		0	68	277	10	8,468	0	-54.1		0	91	270	21
		11,095	0	-50.0		0	97	266	24	12,974	0	-50.3		0	97	264	25	15,618	0	-50.3		0	97	264	23	20,125	2	-52.0		3	91	252	11	23,431	4	-53.3		7	64	235	4
SAPPORO	2	1,011		-7.1	4.4					1,351	0	-15.9	5.6	0	65	292	7	2,789	0	-24.3	9.2	0	84	279	12	5,167	0	-39.1		0	91	274	19	8,538	0	-52.4		0	95	272	31
		11,178	0	-49.4		0	98	265	34	13,057	0	-50.6		0	98	264	36	15,690	0	-51.9		0	98	265	31	20,171	0	-53.4		0	95	253	13	23,452	0	-54.3		3	63	241	5
NEMURO	2	1,009		-7.2	4.4					1,340	0	-15.2	7.0	0	54	291	6	2,782	0	-24.1	9.9	0	81	272	10	5,162	0	-39.0	10.8	0	82	270	16	8,534	0	-52.3		1	95	268	30
		11,179	0	-48.9		0	99	264	34	13,060	0	-50.4		0	99	264	35	15,698	0	-51.4		0	99	264	29	20,168	2	-53.4		2	96	253	14	23,446	3	-54.8		7	73	264	4
AKITA	2	1,017		-2.8	4.9					1,403	0	-12.8	4.4	0	90	274	12	2,856	0	-21.9	10.6	0	96	270	20	5,264	0	-35.3	12.4	0	95	272	33	8,697	0	-47.9		0	97	270	49
		11,354	0	-49.6		0	99	262	47	13,219	0	-53.5		0	99	263	48	15,807	0	-56.5		0	96	266	41	20,228	3	-57.1		3	94	251	14	23,464	3	-55.5		5	70	256	7
SENDAI	2	1,012		-1.4	6.6					1,412	0	-10.6	6.0	0	90	281	13	2,882	0	-18.0	11.9	0	96	275	23	5,335	0	-31.2	13.8	0	96	271	33	8,808	0	-49.6		0	98	264	53
		11,442	0	-50.6		0	98	263	60	13,309	0	-52.7		0	99	266	57	15,904	0	-56.1		0	99	264	43	20,286	1	-57.5		1	97	259	18	23,515	2	-55.8		2	90	260	7
WAJIMA	2	1,019		0.6	3.5					1,438	0	-9.3	3.1	0	79	278	8	2,912	0	-18.3	8.7	0	93	268	16	5,360	0	-31.0	11.2	5	97	272	33	8,835	0	-49.5		5	99	266	55
		11,476	0	-49.9		3	99	262	59	13,343	0	-53.2		1	99	265	34	15,921	0	-58.2		1	99	264	42	20,257	1	-58.1		3	98	265	21	23,467	3	-57.1		6	92	262	10
TATENO	2	1,014		0.2	6.6					1,433	0	-6.0	9.8	0	83	268	6	2,926	0	-14.8	12.9	0	94	273	16	5,415	0	-26.9	13.9	0	97	269	35	8,930	0	-47.7		0	98	265	59
		11,584	0	-50.8		0	98	261	69	13,442	0	-55.0		0	99	263	64	15,998	0	-60.2		0	99	265	47	20,309	0	-60.5		1	97	260	19	23,514	3	-56.1		5	96	263	9
HACHIJOJIMA	2	999		8.2	6.9					1,460	0	-2.0	5.4	0	88	278	10	2,981	0	-8.8	17.2	0	96	274	20	5,520	0	-22.1	14.1	0	98	268	39	9,116	0	-41.1		0	99	263	70
		11,810	0	-51.4		0	99	259	87	13,643	0	-58.9		0	99	263	73	16,144	0	-65.2		0	99	264	51	20,375	0	-62.6		0	98	264	20	23,553	0	-58.2		0	91	262	11
YONAGO	2	1,021		2.5	3.6					1,464	0	-7.0	4.8	0	83	279	8	2,953	0	-14.4	14.3	0	94	286	17	5,445	0	-26.7	13.9	0	97	276	33	8,966	0	-48.1		0	98	267	54
		11,613	0	-50.8		0	98	265	63	13,468	0	-55.5		0	99	263	62	16,016	0	-60.7		0	99	266	48	20,319	1	-60.6		1	99	265	19	23,516	2	-57.5		4	93	269	10
SHIONOMISAKI	2	1,011		6.0	6.1					1,466	0	-3.4	9.6	0	86	287	9	2,982	0	-9.6	15.6	0	96	279	19	5,512	0	-23.3	12.1	0	97	270	38	9,084	0	-43.3		0	99	266	66
		11,768	0	-50.9		0	99	260	83	13,608	0	-58.0		0	99	262	76	16,122	0	-63.4		0	99	263	52	20,367	0	-62.5		0	98	264	20	23,549	0	-58.2		0	84	260	10
FUKUOKA	2	1,021		5.1	6.8					1,482	0	-5.7	6.5	0	82	298	7	2,989	0	-10.8	15.6	0	94	287	17	5,512	0	-23.8	13.9	0	98	274	33	9,067	0	-45.5	14.9	0	98	267	60
		11,730	0	-51.3		0	98	262	73	13,573	0	-57.4		0	99	261	68	16,090	0	-63.6		0	99	265	50	20,342	2	-62.1		3	97	262	17	23,531	4	-58.1		4	84	265	8
KAGOSHIMA	2	988		4.3	5.6					1,492	0	-1.4	11.8	0	80	298	9	3,021	0	-7.3	15.8	0	95	281	18	5,580	0	-20.4	14.1	0	97	271	35	9,188	0	-41.5		0	98	266	64
		11,880	0	-51.9		0	99	259	75	13,707	0	-59.9		0	99	262	68	16,188	0	-66.8		0	99	265	48	20,385	1	-63.1		1	97	265	19	23,554	2	-58.9		2	88	258	11
NAZE	2	986		11.0	1.9					1,516	0	2.9	4.9	0	68	316	5	3,071	0	-2.9	11.7	0	98	275	17	5,675	0	-15.5	18.1	0	98	271	32	9,371	0	-35.9	15.0	0	98	263	62
		12,091	0	-53.1		0	98	256	67	13,893	1	-64.4		0	99	259	61	16,315	0	-72.7		0	99	262	42	20,437	2	-64.4		2	95	265	14	23,595	4	-59.7		4	82	255	8
ISHIGAKIJIMA	2	1,019		17.9	5.0					1,532	0	7.8	4.6	2	49	26	3	3,114	0	1.0	10.5	0	86	272	9	5,769	0	-9.9	20.8	0	98	267	29	9,536	0	-32.9	15.7	0	98	264	47
		12,264	0	-53.5		0	98	250	51	14,056	0	-66.9		0	99	250	47	16,436	0	-77.0		0	99	262	33	20,482	2	-66.4		2	96	262	10	23,613	2	-61.8		4	75	258	5
NAHA	2	1,018		16.4	5.9					1,528	0	6.0	5.6	0	63	327	4	3,099	0	-0.3	12.1	0	92	272	13	5,731	0	-12.1	18.1	0	98	268	31	9,475	0	-33.5	15.4	0	98	264	52
		12,205	0	-53.1		0	98	252	54	14,002	0	-66.0		0	99	254	49	16,400	0	-75.9		0	99	262	34	20,468	1	-65.9		1	97	262	13	23,609	1	-60.8		2	90	257	7

UPPER AIR DATA

JANUARY 1985

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																																									
MINAMIDAITOJIMA	2	1,018		16.9	5.6					1,522	0	5.9	4.9	0	60	338	4	3,098	0	0.5	13.2	0	93	275	14	5,741	0	-11.2	18.6	1	99	265	33	9,495	0	-33.1	15.7	1	98	263	53
		2,224	0	-53.5		3	98	249	55	14,016	0	-66.6		3	99	252	51	16,398	0	-76.9		3	99	261	34	20,453	0	-65.9		3	95	264	10	23,592	1	-61.2		4	58	254	4
CHICHIJIMA	2	1,017		17.1	6.8					1,510	0	6.1	4.8	0	74	299	6	3,089	0	1.5	16.4	0	97	270	19	5,737	2	-11.2	17.4	0	98	262	38	9,495	0	-32.9	15.3	0	98	261	59
		2,224	0	-53.6		0	98	256	63	14,018	0	-65.4		0	99	261	58	16,417	0	-75.3		0	99	260	40	20,493	4	-66.2		4	96	266	12	23,628	4	-61.0		5	78	255	5
MINAMITORISHIMA	2	1,015		21.8	4.6					1,515	0	11.1	3.4	0	66	269	6	3,122	0	6.1	15.1	0	94	263	16	5,810	0	-7.8	16.4	0	99	263	27	9,604	0	-32.3	14.2	0	98	265	35
		2,337	0	-53.3		0	99	266	41	14,132	0	-66.3		0	98	262	36	16,498	0	-79.4		0	98	261	26	20,495	4	-67.8		4	87	277	6	23,618	6	-61.0		8	85	256	5
ISRAEL																																									
BET DAGAN		1,012		19.4	13.4					1,500	0	8.2	10.2	0	65	228	4	3,077	0	-0.5	12.1	0	84	253	9	5,684	0	-17.3	10.6	0	93	260	17	9,318	0	-43.5	8.5	0	94	264	31
		11,958	0	-56.4		0	95	267	41	13,779	0	-58.7		0	97	268	42	16,298	0	-64.2		0	97	266	34	20,567	6	-63.5		6	93	271	18								
JORDON																																									
MAFRAQ	3	938		10.2	5.1					1,489	0	7.0	8.6	0	71	213	5	3,057	0	-1.1	13.2	0	90	250	9	5,647	0	-17.0	12.8	0	92	255	16	9,287	0	-43.6		0	97	256	27
		11,920	1	-56.1		1	95	262	33	13,733	3	-58.8		3	97	261	31	16,256	10	-63.5		10	98	262	26																
KUWAIT																																									
KUWAIT INTL AIRPORT	3	1,012		15.2	7.3					1,471	0	10.3	9.0	0	41	271	6	3,113	0	1.6	17.6	0	99	251	27	5,743	0	-15.1	37.0	0	99	272	50	9,395	0	-42.7	61.7	0	99	273	87
		12,030	0	-57.1		0	99	278		13,836	0	-60.7		0	99	277	89	16,318	0	-68.0		0	99	277	68	20,466	1	-67.3		2	99	293	33	23,569	3	-63.9		4	80	275	18
SAUDI ARABIA																																									
EL-WEJH	3	1,011		22.0	9.8					1,512	0	14.0	17.6	0	33	218	2	3,122	0	5.4	24.2	0	81	257	16	5,784	0	-12.5	15.8	0	92	266	19	9,481	0	-39.2	10.8	0	92	273	34
		12,158	0	-55.5	13.4	0	96	273	44	13,962	1	-61.8	16.5	1	97	272	38	16,423	1	-70.3	17.5	1	96	269	26	20,549	7	-66.5	19.2	7	54	291	6	23,655	10	-63.6	21.1	9	51	277	5
JEDDAH (KING ABDULAZIZ) AP	3	1,009		25.6	8.1					1,508	0	16.8	8.0	0	81	171	5	3,138	0	8.7	23.9	0	70	228	5	5,828	0	-9.5	16.5	0	89	269	14	9,562	0	-37.2	11.2	0	88	278	25
		12,256	0	-54.5	12.9	0	94	279	36	14,055	3	-63.8	15.2	3	95	278	31	16,479	4	-73.4	15.8	4	91	273	17	20,551	6	-67.0	17.5	6	36	42	4	23,658	7	-62.4	20.5	7	10	281	1
GIZAN	3	1,011		26.8	6.2					1,515	0	18.8	12.3	0	77	151	3	3,154	0	9.8	18.0	0	60	177	3	5,860	0	-7.6	19.6	0	61	276	5	9,631	1	-34.5	14.6	2	76	291	16
		12,349	3	-54.1	12.8	3	90	280	27	14,143	5	-65.5	13.2	5	90	281	23	16,537	7	-76.7	13.8	7	67	279	8	20,549	15	-67.3	14.5												
TABOUK	3	928		16.0	19.1					1,510	0	11.6	14.3	0	50	212	3	3,106	0	3.2	22.3	0	86	253	9	5,748	0	-14.2	16.2	0	91	265	21	9,422	1	-40.8	11.6	1	92	271	35
		12,087	4	-55.7	12.8	4	96	273	44	13,897	4	-60.6	14.4	4	97	273	39	16,378	5	-67.9	15.3	5	97	271	29	20,554	7	-65.2	16.9	7	75	287	9								
MEDINA	3	941		20.8	13.9					1,512	0	15.0	12.9	0	48	181	3	3,130	0	6.8	22.3	0	78	245	7	5,804	0	-11.1	16.1	0	92	266	17	9,520	0	-38.1	11.5	0	90	275	29
		12,202	2	-55.0	11.9	1	95	276	40	14,008	2	-62.1	15.0	1	95	257	34	16,461	3	-71.7	17.1	3	94	272	23	20,572	7	-66.6	18.2	6	36	326	4	23,687	9	-63.0	21.2	8	37	277	3
KHAMIS MUSHAIT	3	798		14.8	9.0													3,165	1	9.8	16.2	2	69	210	4	5,868	1	-7.9	17.5	2	76	273	7	9,628	1	-35.4	11.7	1	80	285	18
		12,339	2	-53.8	12.5	3	90	280	29	14,141	4	-65.0	13.3	4	92	278	24	16,541	6	-76.1	13.6	7	80	281	10	20,568	7	-67.5	15.5	7	74	64	6	23,687	10	-60.6	20.1				
RIYADH(KING KHALED INT AP)	3	946		16.6	13.7					1,527	0	13.7	12.8	0	59	216	3	3,137	0	5.0	18.8	0	83	257	8	5,799	0	-12.2	20.9	0	91	271	16	9,495	2	-40.0	19.3	2	91	275	28
		12,160	8	-56.1		9	92	278	35	13,955	10	-63.0		9	94	273	32																								
QAISUMAH	3	975		14.9	8.8					1,517	0	10.8	12.5	0	72	261	5	3,113	0	2.6	15.3	0	88	263	11	5,752	0	-14.2	13.8	0	93	271	20	9,421	1	-41.2	9.7	1	93	274	35
		12,074	3	-56.3	11.6	3	94	278	43	13,887	4	-60.5	14.6	6	95	278	37	16,366	7	-68.4	16.7	8	95	275	28	20,509	19	-66.5	18.7					23,629	20	-63.3					
DHAHRAN	3	1,015		17.8	7.4					1,524	0	12.8	14.0	0	70	268	5	3,128	0	3.8	14.6	0	86	273	11	5,776	0	-13.3	12.6	0	93	276	21	9,461	0	-40.4	9.3	0	93	277	33
		12,120	2	-55.9	11.7	4	93	283	38	13,926	4	-60.8	16.0	5	95	277	35	16,392	5	-70.1	17.0	7	95	278	25	20,515	9	-66.5	17.7	9	73	318	8								
OMAN																																									
SEEB INTERNATIONAL AP	3	1,014		22.2	5.7					1,528	0	13.1	8.5	0	69	267	3	3,137	0	5.1	17.9	1	87	293	8	5,803	0	-11.3	16.5	1	95	286	18	9,513	0	-38.9	13.4	1	94	278	28
		12,189	1	-54.9		1	95	277	39	13,997	1	-61.7		3	97	275	32	16,447	1	-71.3		2	95	279	24	20,542	3	-67.0		3	73	284	6	23,674	6	-60.8		7	61	273	5
UNITED ARAB EMIRATES																																									
ABU DHABI NEW INT AIRPORT	3	1,014		19.9	5.2					1,529	1	14.4	16.1	1	59	292	4	3,140	1	5.8	19.5	1	82	287	8	5,805	1	-11.4	19.1	1	93	281	19	9,502	1	-39.8	17.6	1	93	276	30
		12,161	1	-55.5		1	93	277	37	13,965	1	-61.9		3	96	274	35	16,412	3	-71.3		9	96	275	24	20,502	11	-66.0						23,626	12	-61.8					
AFGHANISTAN																																									
KABUL-AIRPORT	3	823		-1.5	6.2													3,074	1	-5.7	8.6	1	29	112	1	5,628	1	-21.7	9.7	1	83	282	11	9,183	1	-48.5	7.3	1	90	282	25
		11,770	1	-57.6	7.0	1	96	282	32	13,589	1	-56.9	7.6	1	97	278	33	16,127	2	-62.2	8.1	2	99	278	28	20,399	11	-63.1	9.1	11	97	278	15	23,558	12	-60.0	10.5	12	90	272	10
PAKISTAN																																									
PESHAWAR	1	975		6.4	2.8					1,493	1	5.8	3.8	1	76	334	4	3,051	1	-5.4	4.5	1	29	302	2	5,607	1	-21.9	3.8	1	83	272	12	9,150	1	-49.7		1	88	274	28
		11,722	6	-58.5		6	81	271	29																																
SARGODHA	1	995		6.2	2.2					1,517	1	6.6	5.7	1	57	7	3	3,110	1	-3.7	7.8	1	60	283	3	5,736	1	-20.5	7.2	1	88	269	10	9,418	1	-46.1		1	87	265	19
		12,098	3	-56.1		9	95	265	28	13,942	14	-57.3																													
KARACHI AIRPORT	1	1,013		13.2	9.7					1,487	3	9.2	11.6	4	53	349	4	3,067	3	-2.9	12.0	4	72	309	4	5,701	3	-14.9	10.1	4	80	287	8	9,380	3	-39.9		4	82	284	13
		12,075	4	-53.1		6	87	286	16																																
INDIA																																									
SRINAGAR	1	848		-0.3	0.4					1,554								3,089	6	-4.3	3.2	6	41	135	1	5,683	6	-19.7	5.8	6	73	205	5	9,296	6	-42.5		6	88	245	19
		11,941	7	-57.7						13,763	12	-64.5						16,185	21	-64.7																					
NEW DELHI/SAFDARJUNG	3	984		13.9	7.1					1,498	0	8.2	10.5	0	57	299	3	3,075	0	-0.8	13.3	0	85	273	6	5,684	0	-17.8		0	93	275	17	9,302	0	-45.4		0	94	273	34
		11,925	0	-56.8		0	97	268	50	13,722	0	-61.1		0	98	269	42	16,238	0	-68.3		0	97	271	31	20,330	1	-68.3		3	97	278	15	23,447	11	-63.3		9	98	276	13
JODHPUR	3	989		17.3	16.8					1,501	0	9.3	12.0	0	28	280	1	3,088	0	1.3	12.7	0	87	273	8	5,719	0	-15.1	11.4	0	34	275	20	9,381	0	-42.1		0	95	276	38
		12,037	0	-55.1		0	85	269	48	13,817	0	-60.8		0	79	266	45	16,321	1	-68.4		0	98	272	32	20,473	3	-66.0		5	85	274	11	23,574	12	-60.5		9	81	286	8
LUCKNOW/AMAUSI	3	1,001		16.0	5.2					1,493	0	8.8	12.9	0	67	291	4	3,078	0	0.1	12.9	0	94	283	9	5,679	0	-18.6		0	95	278	20	9,307	0	-45.5		0	90	276	35
		11,936	0	-57.6		0	96	276	46	13,723	2	-63.9		2	97	274	38	16,149	7	-71.7		7	98	273	25																
GAUHATI	3	1,009		16.5	4.9					1,499	0	8.9	8.4	0	40	243	2	3,073	0	-0.5	13.5	0	72	266	8	5,699	0	-15.6		0	95	271	23	9,359	0	-41.3		0	97	264	43
		12,033	0	-55.2		0	98	262	54	13,839	0	-62.9		0	99	263	46	16,291	1	-70.4		1	98	265	30	20,418	4	-66.7		5	89	271	12	23,559	10	-60.3					
AHMADABAD	3	1,007		20.3	10.7					1,510	0	15.0	10.4	0	56	282	2	3,126	0	6.6	17.3	0	89	268	8	5,804	2	-10.4		2	97	274	18	9,555	5	-35.5		3	99	280	37
		12,310	8	-52.1		8	96	267	47	14,096	16	-59.9						16,558	20	-68.5																					
CALCUTTA/DUM DUM	3	1,014		19.7	4.5					1,504	0	11.4	9.2	0	86	293	5	3,098	0	2.6	6.9	0	97	285	12	5,745	0	-13.2		0	98	269	23	9,450	0	-38.2		0	98	261	41
		12,129	2	-57.3		2	98	261	45	13,901	2	-66.8		2	99	262	39	16,312	3	-74.9	-	3	99	263	25	20,382	9	-67.3		9	95	262	10								
NAGPUR/SONEGAON	3	976		21.6	7.4					1,508	0	15.6	7.8	0	66	240	3	3,122	0	5.1	13.7	0	92	278	8	5,787	0	-10.9		0	90	275	16	9,521	1	-34.8		1	90	275	32
		12,257	9	-54.6		9	94	273	37																																

UPPER AIR DATA

JANUARY 1985

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
ASIA																																									
INDIA																																									
BHUBANESWAR	3	1,009		22.2	6.0					1,513	0	14.1	8.6	0	47	300	2	3,120	0	5.2	11.1	0	92	289	8	5,801	0	-9.7		1	97	272	18	9,564	0	-33.5		2	97	263	37
		12,292	0	-53.8		3	97	260	39	14,089	0	-65.2		4	99	262	32	16,509	4	-74.9																					
BOMBAY/SANTACRUZ	3	1,010		22.3	8.9																																				
HYDERABAD AIRPORT	3	955		23.1	7.5					1,542	0	16.9	9.7	0	54	126	2	3,160	0	7.0	14.2	0	50	280	2	5,853	0	-7.9		0	95	272	13	9,652	0	-31.6		0	93	259	26
		12,405	0	-51.4		0	98	255	32	14,221	1	-64.6		0	98	262	28	16,616	3	-77.0		4	99	269	17	20,753	13	-61.3													
VISHAKHAPATNAM/WALTAIR	3	1,007		23.9	4.1					1,502	0	16.0	9.0	0	46	47	2	3,126	0	7.1	11.1	0	63	297	4	5,820	1	-7.5	16.6	1	22	312	3	9,624	2	-30.9		3	93	263	29
		12,373	2	-52.2		8	95	258	27	14,165	15	-63.4																													
GOA/PANJIM	1	1,004		21.5	3.0					1,503	1	17.8	13.2	1	61	90	3	3,124	1	7.1	14.7	1	35	230	1	5,830	3	-7.5		3	82	276	9	9,619	7	-33.3		7	93	252	23
		12,347	9	-55.0		9	96	255	26																																
MADRAS/MINAMBAKKAM	3	1,011		24.3	4.0					1,511	0	17.5	9.6	0	78	72	5	3,142	0	9.7	14.4	0	29	87	1	5,862	0	-5.2		0	45	282	3	9,687	0	-30.1		0	90	248	14
		12,450	1	-51.4		1	94	247	19	14,266	3	-65.3		4	96	257	19	16,679	14	-76.5																					
PANAMBUR	1	1,007		23.8	2.2					1,505	0	16.8	6.2	0	73	122	3	3,133	0	8.4		0	16	161	1	5,840	0	-7.2		0	22	292	3	9,642	1	-32.0		1	91	262	17
		12,382	4	-54.2		5	91	273	20	14,216	5	-67.1		8	76	286	14	16,570	7	-78.4																					
PORT BLAIR	3	1,003		25.3	3.7					1,510	0	16.8	7.7	0	85	71	4	3,142	0	8.8	16.0	0	57	94	3	5,860	0	-5.3	13.2	0	4	284	1	9,690	0	-30.9		0	78	242	7
		12,445	5	-53.3		5	77	230	9																																
COCHIN/ERNAKULAM	1	1,011		24.7	3.3					1,508	1	17.0	1.2					3,143	1	9.3	9.4					5,861	2	-6.0						9,684	7	-31.7					
MINICOY	1	1,010		24.8	2.0					1,496	1	16.7	7.9	1	90	86	5	3,124	1	8.6	12.4	1	70	72	3	5,833	1	-6.3		1	68	86	4	9,651	2	-31.9		3	73	208	8
		12,386	4	-54.2		5	76	222	11	14,179	10	-67.8		9	86	269	12	16,529	14	-80.9						20,489	18	-68.5						23,647	19	-56.7					
TRIVANDRUM	3	1,002		26.7	4.7					1,486	0	17.9	9.0	0	65	47	3	3,126	0	9.3	11.0	0	58	87	3	5,839	0	-5.3		0	68	57	3	9,671	0	-31.2		0	74	196	7
		12,420	0	-53.3		0	79	228	12	14,219	0	-67.5		0	85	259	13	16,584	0	-80.9		0	7	342	1	20,588	3	-64.3		3	99	274	18	23,878	10	-54.0		9	86	265	9
MALAYSIA																																									
PENANG/BAYAN LEPAS	3	1,010		26.3	4.6					1,507	0	18.0	4.7	0	73	62	3	3,144	0	9.7	12.6	0	62	82	3	5,861	0	-5.3	16.2	0	68	98	4	9,679	0	-31.5	13.8	0	61	113	5
		12,415	0	-53.1		0	74	134	8	14,209	0	-66.7		0	70	160	5	16,561	0	-81.7		0	68	117	5	20,527	3	-70.3		3	98	87	18	23,666	3	-55.1		10	91	265	10
KOTA BHARU	3	1,011		24.3	2.6					1,509	3	16.1	3.2	3	96	83	7	3,140	3	9.3	7.7	3	70	85	4	5,857	3	-5.3	11.7	3	74	99	5	9,675	3	-31.7	11.2	3	59	119	4
		12,411	3	-52.9		4	76	140	8	14,207	4	-66.9		5	63	163	5	16,564	16	-81.7		18	65	108	5	20,548	30	-71.5													
KUALA LUMPUR/PETALING JAYA	3	1,005		25.1	3.2					1,506	0	16.3	2.5	0	83	47	3	3,137	0	8.2	7.9	0	52	65	2	5,847	0	-6.7	14.0	0	55	90	3	9,653	0	-32.7	12.4	0	84	108	7
		12,377	0	-55.1		0	84	119	10	14,154	0	-69.5		0	67	139	5	16,475	0	-84.5		0	73	111	6	20,433	0	-68.2		0	98	88	17	23,638	3	-54.1		3	80	259	8
KUANTAN	3	1,010		23.3	2.0					1,507	0	15.7	3.2	0	95	32	7	3,139	0	8.7	10.1	0	57	68	3	5,852	0	-6.3	14.5	0	57	95	3	9,665	0	-32.7	14.2	0	79	109	6
		12,384	0	-55.6		0	86	121	11	14,159	0	-70.1		0	70	131	7	16,459	0	-86.9		0	66	119	5	20,376	1	-70.3		1	97	91	16	23,561	2	-55.0		2	75	270	7
KOTA KINABALU	3	1,010		25.7	3.0					1,505	0	17.9	4.2	0	47	50	2	3,143	0	10.0	10.2	0	55	77	3	5,861	0	-5.5	14.4	0	75	92	6	9,669	0	-31.9	11.4	0	85	98	7
		12,408	0	-52.5		1	93	124	14	14,209	0	-65.7		1	97	116	20	16,575	0	-81.3		2	85	105	6	20,523	2	-69.7		12	99	89	23	23,681	11	-56.5		24	83	280	8
TAWAU	1	1,009		24.3	1.7					1,513	0	17.7	4.4	0	33	324	2	3,151	0	9.9	11.5	0	6	80	**	5,869	0	-5.3	16.7	2	77	79	6	9,683	0	-31.4	14.9	3	83	103	7
		12,429	0	-51.6		4	94	113	14	14,238	0	-64.6		7	96	108	20	16,631	0	-78.6		21	95	105	9	20,642	2	-66.1						23,871	23	-51.1					
SINGAPORE																																									
SINGAPORE/CHANGI AIRPORT	1	1,009		23.8	1.3					1,506	0	16.9	3.9	0	81	17	4	3,140	0	8.8	6.6	0	33	68	2	5,851	0	-6.2	8.5	0	56	85	4	9,668	0	-31.5	11.1	0	86	107	6
		12,405	0	-53.5	11.2	0	88	107	12	14,199	0	-66.6		0	69	111	6	16,547	0	-82.5		0	89	93	8	20,496	0	-69.2		0	99	90	21	23,699	0	-54.2		0	92	267	11
CHINA																																									
HAILAR	1	949		-30.4	2.2					1,408	0	-22.9	2.5	1	67	323	4	2,822	0	-27.2	3.7	1	73	330	8	5,185	10	-40.5	4.4	1	75	322	12	8,521	0	-57.5	4.1	2	82	319	18
		11,096	0	-53.8	4.7	2	94	306	17	12,951	0	-52.6	5.3	2	94	301	15	15,575	0	-51.7	6.0	2	93	295	13	20,080	4	-49.7	7.3	6	88	282	7	23,416	10	-48.9	8.5	9	40	273	2
URUMQI	1	920		-16.1	2.6					1,525	0	-9.5	4.7	0	34	115	1	3,029	0	-11.2	10.4	0	18	318	1	5,532	0	-28.1	8.2	0	78	302	9	9,003	0	-54.0	5.9	0	82	291	16
		11,538	0	-61.4	5.2	0	94	289	20	13,343	1	-57.3	5.8	0	97	290	21	15,907	1	-57.5	6.3	0	96	287	22	20,289	1	-56.7	6.6	0	94	285	17	23,540	4	-55.2	7.1	5	82	285	10
BEIJING	1	1,023		-7.6	9.2					1,489	0	-12.4	9.4	0	80	301	8	2,958	0	-18.0	10.4	0	92	306	14	5,415	0	-30.8	10.4	0	96	292	26	8,065	0	-54.1	7.6	0	97	283	37
		11,433	0	-55.8	8.7	1	98	278	38	13,268	1	-54.5	9.4	2	99	276	38	15,851	1	-56.6	9.8	2	99	275	34	20,242	4	-56.4	10.3	4	97	274	18	23,497	6	-54.6	10.0	7	84	273	7
LANZHOU	1	825		-8.8	6.0													3,039	0	-10.2	8.7	0	60	272	3	5,575	0	-24.3	10.2	0	94	287	17	9,096	0	-51.4	7.0	0	94	274	30
		11,661	1	-57.9	6.9	1		272	38	13,485	2	-56.6	7.3	2	98	268	39	16,032	3	-60.1	6.9	4		270	35	20,337	4	-61.0		7		281	15	23,538	6	-58.0		9	82	276	9
SHANGHAI	1	1,027		1.6	2.5					1,521	0	-2.6	9.5	0	69	294	5	3,053	0	-6.5	11.5	0	94	279	14	5,620	0	-20.0	11.2	0	97	272	29	9,228	0	-41.9	9.2	0	99	264	59
		11,911	0	-51.7	8.9	1	98	261	71	13,754	0	-57.8	8.5	5		263	64	16,261	2	-65.2		7		264	47	20,463	4	-64.0		9	97	273	17	23,633	8	-58.6		9	90	267	9
LHASA	1	650		-6.8	11.7																					5,678	0	-17.1	17.0	8		270	8	9,290	0	-44.8	10.2	0	97	274	34
		11,931	0	-50.2		3	96	270	50	13,758	0	-57.8		5	98	267	47					9	97	270	36	20,473	3	-65.6		9	92	277	12	23,647	17	-59.9		9	78	277	7
KUNMING	1	812		3.8	3.3													3,100	0	1.5	7.5	5	93	271	13	5,748	0	-12.2	16.1	8	96	266	26	9,475	0	-35.9	12.2	9	96	260	52
		12,188	0	-53.4	10.1	9		262	60	13,992	2	-60.3		9		261	52	16,432	2	-72.8		9		264	37	20,497	2	-67.2		9		268	13	23,624	4	-60.9		9	73	265	8
GUANGZHOU	1	1,021		11.0	3.5					1,534	0	8.3	3.1	0	50	229	3	3,124	0	2.1	6.6	0	92	277	12	5,792	0	-9.4	15.4	0		270	27	9,561	0	-33.6	11.9	0	98	262	45
		12,290	0	-53.3	9.9	0	98	253	48	14,090	0	-65.5		0	98	250	45	16,492	0	-75.5		0	97	261	30	20,523	1	-67.5		3	92	266	11	23,646	3	-61.9		3	50	287	4
AUSTRALASIA																																									
NEW ZEALAND																																									
AUCKLAND AERODROME	1	1,012		21.6	4.8					1,491	0	10.8	5.4	6	51	291	9	3,088	0	3.0	11.1	5	58	287	11	5,736	1	-12.7	13.5	3	65	293	20	9,430	0	-40.3	11.0	4	65	287	31
		12,096	1	-54.4	10.4	6	79	277	45	13,927	0	-58.2	10.5	5	86	284	42	16,439	0	-64.1		6	88	289	29	20,726	0	-58.0		7	92	75	11	23,996	2	-50.9		10	99	89	23
CHRISTCHURCH AERODROME	1	1,002		22.1	10.7					1,419	0	9.9	9.0	2	78	309	11									5,617	0	-16.6	9.8	0	73	298	22	9,249	0	-43.9	9.8	0	69	297	33
		11,891	1	-55.9	8.5	1	73	292	36	13,825	1	-55.1	11.0	4	87	285	31	16,284	1	-58.7						20,665	1	-55.0						23,963	2	-49.1					
INVERCARGILL AERODROME	1	1,004		16.5	5.1					1,393	0	7.4	4.9	3	75	300	16	2,968	0	-1.2	5.0	2	74	297	21	5,571	0	-17.6	8.1	0	69	296	25	9,188	0	-44.9		0	62	289	33
		11,834	0	-52.8		0	73	286	35	13,687	0	-53.8		0	80	290	28	16,282	1	-53.7		1	82	298	18	20,273	2	-52.8		1	72	73	7	24,060	3	-47.3		3	98	79	17

UPPER AIR DATA

JANUARY 1985

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
AUSTRALASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH PACIFIC																																									
MIDWAY ISLAND	1	1,012		19.5	8.1					1,468	0	7.8	6.8	1	83	266	12	3,053	0	1.7	12.9	1	93	270	20	5,700	0	-12.2	13.9	1	96	279	31	9,438	0	-34.5	13.4	3	97	281	42
		12,167	0	-52.0		9	96	291	43	13,982	0	-63.5		13	98	284	37	16,406	0	-72.8		13	99	280	28	20,508	0	-66.4		11	95	281	11	23,643	0	-61.0		8	77	276	7
LIHUE, KAUAI, HAWAII	1	1,011		24.8	7.0					1,520	0	13.0	7.6	0	55	265	4	3,137	1	7.0	17.4	1	81	261	7	5,829	1	-8.4	17.5	1	92	277	16	9,595	2	-33.7	13.9	2	92	293	31
		12,331	2	-52.1		2	91	296	33	14,140	2	-64.5		2	94	293	30	16,544	3	-75.9		4	94	285	21	20,594	7	-66.6		7	35	261	1	23,730	10	-59.8		10	63	245	3
HILO/GEN. LYMAN, HAWAII	1	1,014		25.3	8.7					1,520	3	13.1	5.0	3	44	186	2	3,140	3	7.8	19.7	3	43	262	3	5,840	3	-7.6	17.9	3	78	294	12	9,606	3	-33.9	13.3	3	83	303	28
		12,335	3	-53.0		5	87	301	31	14,137	3	-65.4		9	89	298	28	16,529	4	-77.4		15	87	294	13	20,565	4	-66.5		9	51	128	2	23,705	5	-60.2		8	72	225	4
WAKE ISLAND	1	1,016		26.7	7.1					1,542	0	14.9	4.9	0	31	125	2	3,173	0	10.4	19.0	0	70	286	4	5,897	0	-4.9	17.8	0	90	269	9	9,722	0	-31.0	15.3	0	92	278	12
		12,466	0	-52.8		0	94	280	14	14,265	0	-66.4		0	93	270	14	16,629	0	-80.2		0	86	263	9	20,620	1	-66.2		1	23	104	1	23,774	4	-59.1		4	21	144	1
GUAM, TAGUAC, MARIANA IS.	1	999		26.5	2.8					1,518	0	18.1	3.4	0	87	104	8	3,164	0	11.0	12.5	0	85	109	6	5,891	0	-4.7	13.8	0	72	116	4	9,727	0	-30.1	13.7	0	78	150	5
		12,479	0	-52.8		0	76	166	6	14,272	0	-67.6		0	76	160	7	16,616	0	-82.1		0	88	129	8	20,610	2	-66.7		2	98	85	10	23,771	3	-57.0		3	18	165	1
YAP, CAROLINE ISLANDS	1	1,007		27.4	2.4					1,493	0	18.6	3.1	1	65	113	6	3,142	0	11.1	7.5	0	59	119	5	5,874	0	-4.7	7.7	0	68	125	7	9,713	0	-30.0	9.5	0	92	113	7
		12,465	0	-52.9		0	91	118	10	14,256	0	-68.2		0	92	119	12	16,602	0	-81.9		0	79	116	9	20,578	0	-67.3		0	99	88	17	23,754	0	-55.7		0	68	258	4
TRUK, CAROLINE ISLANDS	1	1,010		28.1	4.1					1,510	0	18.3	5.0	1	73	77	6	3,154	0	10.2	9.0	0	81	86	7	5,879	0	-4.7	7.6	0	90	102	10	9,721	0	-29.7	10.8	0	96	105	11
		12,478	0	-52.6		0	96	111	13	14,273	0	-67.6		0	93	106	14	16,613	0	-82.6		0	97	102	17	20,591	2	-66.8		2	99	91	19	23,779	6	-55.1		6	77	276	5
KOROR, PALAU ISLANDS	1	1,005		27.1	2.8					1,495	0	18.3	3.8	0	16	311	2	3,141	0	10.3	6.2	0	22	66	2	5,870	0	-4.7	8.1	0	37	133	4	9,709	0	-30.1	10.3	0	78	107	7
		12,462	0	-52.7		0	88	99	13	14,255	0	-67.7		0	91	105	16	16,604	0	-82.0		0	85	98	10	20,587	0	-67.0		0	99	91	20	23,783	1	-54.3		2	88	259	6
MAJURO, MARSHALL ISLANDS	1	1,010		28.5	4.6					1,513	0	17.7	3.5	0	91	97	6	3,158	0	10.6	11.3	0	94	101	7	5,887	0	-4.5	13.9	0	94	100	12	9,732	0	-29.4	13.5	0	91	96	9
		12,490	0	-52.2		0	83	109	8	14,289	0	-67.0		1	78	103	8	16,637	1	-82.4		1	93	94	11	20,606	1	-66.0		1	97	105	18	23,818	2	-54.1		2	75	267	5
PONAPE, CAROLINE ISLANDS	1	1,004		27.9	3.7					1,496	0	18.7	5.0	0	94	95	9	3,142	0	10.5	10.6	0	89	97	8	5,869	0	-4.6	8.7	0	95	96	12	9,713	1	-29.4	12.3	1	95	96	10
		12,472	1	-52.4		1	91	104	12	14,267	1	-67.4		1	91	102	14	16,613	1	-82.6		1	96	95	16	20,593	2	-66.5		2	99	91	21	23,791	3	-54.4		3	84	270	6
TARAWA, GILBERT ISLANDS	1	1,009		30.0	6.0					1,500	0	18.2	6.9	1	85	84	8	3,140	0	10.0	8.5	0	78	89	9	5,860	0	-5.1	3.1	1	96	81	22	9,696	0	-30.8	15.2	1	96	85	19
		12,434	0	-54.0	6.2	2	88	101	22	14,216	0	-69.3	9.6	5	91	102	25	16,534	1	-84.5		9	94	89	24	20,495	1	-66.8						23,717	1	-54.5					
SOUTH PACIFIC																																									
FUNAFUTI, ELLICE IS.	1	1,008		29.1	3.6					1,495	0	18.3	2.7	1	71	300	8	3,140	0	10.1	5.1	1	48	278	6	5,864	0	-5.0	6.7	2	15	39	2	9,703	0	-30.3	8.5	1	31	119	4
		12,450	0	-53.9		3	50	121	9	14,232	0	-69.2		3	74	115	17	16,554	3	-84.8		6	97	93	26	20,525	7	-64.9		11	99	89	50	23,715	9	-55.0					
ATUONA, MARQUESAS ISLAND	1	1,005		29.8	7.5					1,504	0	15.8	3.1	0	94	65	6	3,134	0	9.8	11.4	0	87	85	6	5,849	0	-5.6	9.4	0	63	143	4	9,662	0	-31.9	8.6	0	75	201	11
		12,391	0	-54.4		0	74	200	16	14,182	0	-66.4		1	63	224	15	16,554	2	-78.4		3	60	239	9	20,560	6	-67.8		7	99	88	20	23,705	12	-55.9		14	98	87	17
PAGO PAGO, SAMOA	1	1,008		28.9	4.4					1,493	0	17.8	2.5	0	67	311	4	3,136	0	10.5	7.5	0	55	303	3	5,865	1	-4.4	11.0	1	19	245	1	9,710	2	-29.5	10.5	2	31	271	2
		12,472	2	-52.0		2	32	210	3	14,272	2	-67.0		2	54	162	7	16,626	2	-82.0		2	79	119	9	20,598	3	-67.0		3	99	86	21	23,762	7	-56.7		7	99	84	19
HAO, TUAMOTU IS.	1	1,012		28.1	5.0					1,520	0	16.4	3.3	0	77	53	6	3,150	0	8.1	5.7	0	70	54	4	5,856	0	-6.5	8.8	0	56	118	3	9,657	0	-32.4	9.4	0	77	175	8
		12,380	0	-55.2		0	86	191	17	14,158	0	-67.5		0	77	194	19	16,534	2	-77.0		2	57	166	9	20,563	27	-68.0		29	99	73	13	23,691	30	-60.8		30	99	93	12
TAHITI, SOCIETY IS.	1	1,011		28.5	4.9					1,510	0	17.1	2.9	0	79	33	6	3,148	0	9.5	4.3	0	62	34	4	5,871	0	-4.6	4.3	0	31	28	2	9,713	0	-29.5	6.1	0	42	185	4
		12,471	0	-52.0		1	72	214	11	14,269	0	-66.4		1	82	202	16	16,644	0	-78.0		2	77	172	9	20,674	4	-66.5		6	99	89	17	23,838	8	-56.8		8	99	87	22
NANDI, FIJI IS.	1	1,006		30.6	8.4					1,499	1	17.8	3.6	0	42	84	4	3,142	1	12.0	15.3	0	36	273	5	5,885	2	-4.0	16.0	1	24	256	4	9,726	2	-30.1	13.1	1	50	270	8
		12,480	2	-52.4	11.3	1	43	274	8	14,279	2	-69.8		2	26	293	5	16,632	5	-81.9		1	61	87	11	20,634	5	-64.8		3	99	87	37	23,823	10	-55.8					
RAROTONGA, COOK IS.	1	1,008		27.0	2.6					1,500	0	18.9	3.4	1	56	341	9	3,151	0	11.0	7.7	0	60	314	11	5,885	1	-4.6	10.2	0	55	297	10	9,719	0	-30.8	12.5	0	62	288	19
		12,466	0	-53.0		1	67	263	25	14,264	0	-66.6		0	73	246	25	16,636	1	-78.4		1	56	187	13	20,706	4	-63.2		3	96	103	19	23,908	5	-54.8		5	98	87	35
RAPA, AUSTRAL IS.	1	1,014		25.2	3.9					1,523	0	15.1	3.8	0	57	345	4	3,149	0	8.0	8.2	0	71	316	5	5,857	0	-6.1	8.4	0	80	288	8	9,665	0	-32.0	5.6	0	85	267	15
		12,399	0	-53.6		1	82	258	19	14,197	0	-64.1		1	84	249	20	16,626	0	-72.0		1	70	247	9	20,777	5	-62.2		6	91	89	8	23,993	8	-53.8		11	9	89	15
CHATHAM ISLAND	1	1,006		18.9	5.0					1,461	0	8.7	6.8					3,050	0	1.8	13.3					5,683	0	-14.7	14.1					9,342	0	-42.6					
		11,984	0	-56.1						13,807	0	-57.0						16,362	0	-59.0						20,742	2	-55.1						24,043	18	-48.6					
CAMPBELL ISLAND	1	1,000		11.5	2.3					1,347	0	3.0	3.6					2,903	0	-4.0	7.9					5,481	0	-19.9	9.5					9,078	1	-45.5					
		11,727	1	-47.9						13,599	3	-49.9						16,245	5	-51.3						20,759	8	-48.7						24,151	10	-44.7					
OCEAN SHIPS																																									
SHIP L	1	1,009		7.6	2.3					1,386	0	-2.0	3.5	0	57	153	8	2,905	0	-6.6	8.2	0	53	193	7	5,412	0	-26.8	12.0	0	36	195	6	8,907	0	-51.8		0	44	246	9
		11,479	0	-57.1		0	62	257	10	13,309	0	-55.1		0	75	263	10	15,884	0	-56.6		0	87	276	11	20,257	2	-58.1		0	82	291	10	23,472	4	-58.4		0	80	307	12
SHIP R		1,009		11.3	2.0					1,403	0	2.4	5.1	9	61	269	8	2,953	0	-5.1	9.1	9	74	277	12	5,517	0	-21.7	9.9	9	79	280	17	9,072		-49.4		9	77	285	22
		11,642	0	-58.3		9	90	287	21	13,472	0	-55.4		9	87	286	18	16,043	0	-57.9		9	90	291	14	20,369	7	-60.1		9	88	304	10	23,550	17	-59.1		9	51	333	3

UPPER AIR DATA LATE REPORTS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	SURFACE* 200 MB TEMPERATURE NUMBER OF MISSING DAYS	SURFACE* 200 MB TEMPERATURE MEAN	SURFACE* 200 MB DEW POINT DEPRESSION	SURFACE* 200 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	SURFACE* 200 MB MEAN VECTOR WIND STEADINESS FACTOR	SURFACE* 200 MB MEAN VECTOR WIND DIRECTION	SURFACE* 200 MB MEAN VECTOR WIND SPEED	850 MB 150 MB HEIGHT	850 MB 150 MB TEMPERATURE NUMBER OF MISSING DAYS	850 MB 150 MB TEMPERATURE MEAN	850 MB 150 MB DEW POINT DEPRESSION	850 MB 150 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	850 MB 150 MB MEAN VECTOR WIND STEADINESS FACTOR	850 MB 150 MB MEAN VECTOR WIND DIRECTION	850 MB 150 MB MEAN VECTOR WIND SPEED	700 MB 100 MB HEIGHT	700 MB 100 MB TEMPERATURE NUMBER OF MISSING DAYS	700 MB 100 MB TEMPERATURE MEAN	700 MB 100 MB DEW POINT DEPRESSION	700 MB 100 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	700 MB 100 MB MEAN VECTOR WIND STEADINESS FACTOR	700 MB 100 MB MEAN VECTOR WIND DIRECTION	700 MB 100 MB MEAN VECTOR WIND SPEED	500 MB 50 MB HEIGHT	500 MB 50 MB TEMPERATURE NUMBER OF MISSING DAYS	500 MB 50 MB TEMPERATURE MEAN	500 MB 50 MB DEW POINT DEPRESSION	500 MB 50 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	500 MB 50 MB MEAN VECTOR WIND STEADINESS FACTOR	500 MB 50 MB MEAN VECTOR WIND DIRECTION	500 MB 50 MB MEAN VECTOR WIND SPEED	300 MB 30 MB HEIGHT	300 MB 30 MB TEMPERATURE NUMBER OF MISSING DAYS	300 MB 30 MB TEMPERATURE MEAN	300 MB 30 MB DEW POINT DEPRESSION	300 MB 30 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	300 MB 30 MB MEAN VECTOR WIND STEADINESS FACTOR	300 MB 30 MB MEAN VECTOR WIND DIRECTION	300 MB 30 MB MEAN VECTOR WIND SPEED
MAY 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																																									
KINGSTON/NORMAN MANLEY, JAM.	2	1,013		26.0	5.5					1,526	0	16.0	3.6	0	97	102	9	3,156	0	7.8	11.2	0	86	103	4	5,863	0	-6.5	14.6	0	27	324	1	9,655	0	-33.4	11.5	0	91	293	12
		12,372	0	-55.4		0	92	285	18	14,147	1	-69.0		1	93	285	18	16,500	1	-77.8		1	92	291	10	20,607	1	-61.9		1	97	86	8	23,831	1	-54.2		1	99	90	17
JUNE 1984																																									
NORTH AMERICA																																									
ADJACENT ISLANDS																																									
KINGSTON/NORMAN MANLEY, JAM.	2	1,013		27.0	4.8					1,531	0	17.1	3.7	0	96	104	10	3,167	0	8.9	9.9	0	88	114	6	5,873	0	-7.2	11.1	0	12	256	1	9,665	0	-33.1	12.0	0	64	325	5
		12,382	1	-55.6		1	75	316	10	14,160	1	-68.6		1	77	310	11	16,535	1	-74.8		1	51	5	4	20,675	1	-62.5		1	99	85	16	23,884	3	-54.8		3	100	95	23
JULY 1984																																									
NORTH AMERICA																																									
ADJACENT ISLANDS																																									
KINGSTON/NORMAN MANLEY, JAM.	2	1,013		27.0	5.6					1,531	2	16.8	4.2	3	98	100	12	3,164	3	8.4	10.1	3	93	100	8	5,864	2	-7.7	12.4	2	76	97	3	9,642	2	-34.4	10.3	2	48	339	3
		12,345	3	-56.6		3	65	319	7	14,116	4	-69.4		4	64	306	7	16,499	4	-73.1		4	84	67	4	20,657	5	-62.4		5	100	87	21	23,867	5	-55.4		5	100	91	27
SEPTEMBER 1984																																									
NORTH AMERICA																																									
CANADA-WESTERN																																									
MOULD BAY	2									1,429	6	-7.7	5.4	4	58	312	4	2,925	6	-13.3	9.2	4	69	324	7	5,413	6	-28.4	8.9	4	76	325	10	8,887	6	-52.0	8.6	4	76	326	14
		11,503	7	-50.1		4	83	325	10	13,388	7	-49.4		4	83	322	7	16,045	7	-50.0		4	77	318	5	20,553	7	-51.9		4	69	315	3	23,888	12	-52.1		8	57	319	2
SACHS HARBOUR	2	1,011		-2.1	1.2					1,455	6	-4.7	11.2	4	49	318	3	2,965	6	-10.9	12.8	4	68	314	6	5,474	6	-26.8	11.6	4	76	314	16	8,967	6	-52.0	7.8	4	63	317	9
		11,560	6	-52.5		4	73	317	8	13,429	6	-50.7		4	79	312	7	16,071	6	-50.9		4	81	312	6	20,563	7	-52.3		4	82	305	5	23,860	7	-52.9		5	85	296	5
CAMBRIDGE BAY	2	1,016		-1.4	1.6					1,422	6	-8.4	4.9	4	79	334	7	2,913	6	-14.3	9.5	4	85	335	9	5,395	6	-28.7	11.4	4	85	334	12	8,866	6	-52.3	8.2	4	80	335	15
		11,482	6	-49.9		5	86	327	10	13,366	6	-49.1		5	86	321	8	16,022	6	-50.2		4	82	313	5	20,531	6	-51.9		4	82	297	4	23,836	6	-51.7		4	87	287	4
INUVIK	2									1,472	6	-1.0	6.5	4	36	280	2	2,999	6	-9.3	7.3	4	42	291	3	5,522	6	-25.6	10.6	4	33	300	3	9,024	6	-51.9	7.3	4	23	278	3
		11,614	6	-52.6		4	38	294	4	13,482	6	-51.1		4	60	300	5	16,120	6	-51.0		4	72	299	5	20,615	7	-52.2		4	74	298	5	23,914	7	-52.5		4	81	294	6
NORMAN WELLS	2	1,012		1.4	1.3					1,475	6	0.1	6.7	4	35	266	2	3,003	6	-9.3	7.9	4	55	287	3	5,525	6	-25.6	12.2	4	43	304	4	9,028	6	-51.7	8.4	4	31	302	5
		11,616	6	-52.7		4	47	295	5	13,482	6	-51.1		5	65	298	6	16,115	6	-51.6		4	75	295	6	20,602	6	-52.7		4	79	295	6	23,904	7	-52.3		6	83	290	6
WHITEHORSE	3									1,467	8	2.0	4.7	8	61	163	3	3,006	8	-7.3	4.3	8	40	173	2	5,544	8	-24.6	9.2	8	25	211	2	9,060	8	-50.9	7.8	8	42	251	6
		11,661	8	-52.7		8	67	279	8	13,527	8	-51.6		8	77	286	8	16,154	8	-51.9		8	82	286	7	20,633	8	-52.8		7	78	288	6	23,926	8	-52.4		7	78	290	7
FORT NELSON	2	975		2.4	2.0					1,484	6	0.7	5.1	5	22	323	1	3,017	6	-8.3	5.3	5	48	308	3	5,550	6	-25.0	8.1	5	48	281	4	9,066	6	-50.7	7.3	5	47	275	7
		11,666	6	-52.8		5	72	280	10	13,528	6	-51.9		5	79	280	10	16,148	6	-52.6		4	83	279	9	20,619	6	-53.4		4	86	284	7	23,908	8	-52.2		4	90	286	7
FORT SMITH	2	994		2.4	2.3					1,469	7	-1.9	3.8	5	34	346	2	2,993	7	-9.0	9.1	5	60	313	5	5,522	7	-25.1	9.5	5	62	301	6	9,035	7	-50.7	7.9	5	62	276	11
		11,631	7	-53.0		5	79	278	11	13,496	7	-51.3		5	85	280	10	16,127	7	-51.7		5	88	283	9	20,615	7	-52.1		4	88	280	7	23,927	7	-50.7		4	90	283	7
PRINCE GEORGE	2	939		2.9	1.1					1,485	6	2.9	6.2	5	24	287	2	3,030	6	-6.4	6.3	5	49	258	4	5,580	6	-22.9	7.8	5	58	263	7	9,129	6	-48.9	8.0	5	70	266	17
		11,748	6	-52.3		5	83	274	21	13,608	6	-52.6		7	86	281	15	16,216	6	-53.9		7	87	278	12	20,661	6	-53.8		5	88	279	7	23,950	6	-52.2		4	85	290	5
EDMONTON STONY PLAIN	2	928		4.0	1.8					1,477	6	2.8	5.4	4	43	328	3	3,024	6	-6.3	7.0	4	64	294	5	5,576	6	-22.4	8.0	47	1	279	9	9,134	6	-48.0	7.9	4	70	268	15
		11,752	6	-53.0		5	85	273	19	13,610	6	-52.5		4	90	273	17	16,218	6	-53.6		4	93	273	14	20,664	6	-54.1		4	90	277	7	23,961	8	-51.4		5	84	283	5
THE PAS	2	984		5.3	2.5					1,460	6	0.2	4.9	5	36	341	3	2,993	6	-7.8	7.8	5	53	322	5	5,542	6	-21.7	9.5	5	59	297	8	9,116	6	-47.1	8.8	5	63	278	27
		11,733	6	-53.0		5	83	274	19	13,596	6	-52.3		5	89	274	17	16,213	6	-52.5		5	91	275	14	20,683	6	-52.8		4	90	278	7	23,990	7	-50.6		4	87	282	6
VERNON	2	952		8.5	5.0					1,489	6	5.6	6.7	4	55	230	3	3,048	6	-4.2	6.8	4	73	250	7	5,624	6	-20.1	11.3	4	81	271	13	9,214	6	-45.2	10.4	6	82	280	24
		11,859	6	-52.9		8	90	277	27	13,707	6	-54.0		9	91	275	22	16,294	6	-56.1		9	93	274	16	20,701	9	-55.0		6	88	273	7	23,980	9	-52.8		6	81	290	4
PORT HARDY	2	1,016		8.1	0.9					1,486	6	3.9	10.0	5	50	203	3	3,040	6	-4.5	13.7	5	58	248	5	5,612	6	-20.2	13.5	5	74	270	13	9,207	6	-44.6	10.8	5	80	274	27
		11,852	6	-53.3		6	83	271	27	13,701	6	-54.4		6	86	271	22	16,290	6	-55.5		6	86	273	15	20,706	10	-54.9		5	84	278	7	23,976	12	-52.4		6	83	291	4
CANADA-EASTERN																																									
ALERT	2	1,007		-7.9	1.4					1,373	6	-11.6	1.9	4	29	326	2	2,848	6	-16.5	5.7	4	34	354	2	5,314	6	-30.3	7.0	4	10	288	1	8,772	6	-51.1	8.1	4	16	205	2
		11,437	6	-45.8		4	41	203	4	13,349	6	-46.9		4	51	203	4	16,024	6	-48.8		4	48	196	3	20,533	8	-51.7		5	48	189	3	23,800	12	-53.5		6	57	205	3
EUREKA	2									1,373	7	-10.4	2.6	5	47	12	2	2,849	7	-16.9	5.8	5	35	3	2	5,308	7	-31.0	8.3	5	26	359	3	8,759	7	-51.2	8.9	5	32	18	4
		11,421	7	-46.1		5	21	356	2	13,332	7	-46.9		6	16	335	1	16,009	7	-48.6		5	6	275	**	20,535	7	-51.4		5	14	237	**	23,766	12	-53.7		8	23	193	1
RESOLUTE	2									1,366	6	-9.6	5.2	4	84	357	6	2,850	6	-15.7	6.0	4	84	359	8	5,317	6	-30.6	9.0	4	76	357	9	8,773	7	-52.2	8.0	4	60	353	9
		11,439	11	-46.8		4	65	344	6	13,345	11	-47.3		6	69	340	5	16,023	12	-48.8		4	60	340	3	20,560	12	-50.8		5	43	292	2	23,879	12	-51.5		6	56	275	2
HALL BEACH	2	1,009		-1.6	1.8					1,348	7	-8.7	3.8	5	46	335	3	2,834	7	-15.5	4.6	5	49	314	4	5,304	7	-30.1	8.2	5	40	284	5	8,775	7	-49.6	9.7	5	45	255	7
		11,447	7	-45.4		6	51	245	5	13,363	7	-46.5		5	56	250	4	16,047	7	-47.8		5	64	248	4	20,588	9	-50.6		7	78	241	4	23,883	11	-51.2		8	84	249	6
BAKER LAKE	2	1,009		-0.2	1.7					1,407	6	-6.9	3.8	4	71	332	6	2,904	6	-13.9	6.5	4	83	323	9	5,390	6	-28.4	9.0	4	81	311	10	8,877	6	-50.7	9.0	4	77	299	13
		11,507	6	-49.0		4	84	294	11	13,395	6	-49.0		4	87	289	9	16,052	6	-49.7		4	85	282	7	20,577	6	-50.7		49	0	273	5	23,902	8	-50.6		4	90	264	6
CORAL HARBOUR	2	1,003		-0.9	1.4					1,370	6	-6.4	4.7	5	36	357	3	2,868	6	-13.9	8.1	5	37	316	4	5,355	6	-28.0	6.7	5	56	306	7	8,847	6	-50.6	8.0	5	56	289	10
		11,496	6	-46.7		5	71	275	9	13,404	6	-47.2		5	77	268	8	16,079	6	-48.6		5	81	267	6	20,619	6	-50.2		5	81	256	5	23,966	8	-50.4		5	83	259	6
FROBISHER BAY	2	1,004		1.1	2.0					1,347	6	-5.5	2.0	6	11	304	1	2,851	6	-12.7	4.3	6	25	268	2	5,350	6	-26.4	10.3	5	42	225	6	8,875	6	-47.8	9.7	5	56	224	12
		11,530	6	-47.7		5	67	229	10	13,429	6	-47.6		5	69	236	9	16,102	6	-48.8		4	83	240	8	20,637	7	-50.2		4	84	240	6	23,968	7	-50.3		4	85	243	5

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
SEPTEMBER 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																	
CANADA-EASTERN																	
CHURCHILL	2	1,012		2.3	1.9					1,424	7	-4.8	4.0	6	75	322	7
		11,604	7	-51.9		5	87	281	17	13,478	7	-50.0		5	89	281	14
INOUCDJOUAC	2	1,008		3.6	2.6					1,370	7	-4.3	3.4	4	49	308	4
		11,587	7	-48.4		4	86	270	15	13,481	7	-48.7		4	88	268	13
FORT CHIMO	2	1,003		2.8	2.3					1,362	6	-3.7	3.6	4	43	290	4
		11,619	6	-49.1		4	74	252	15	13,510	6	-48.7		4	82	253	13
TROUT LAKE	2	989		4.5	1.7					1,442	6	-1.3	3.5	5	57	303	5
		11,720	6	-51.5		5	88	276	21	13,588	6	-51.2		5	90	276	19
NITCHEQUON	2	947		4.8	1.5					1,409	6	-1.1	1.6	4	79	270	9
		11,725	6	-50.8		4	86	266	21	13,600	6	-50.8		4	90	266	17
MOOSONEE	2	1,014		5.8	1.1					1,440	6	0.0	3.9	5	72	282	8
		11,781	6	-51.4		6	89	272	26	13,648	6	-51.7		6	91	272	21
SEPT-ILES	2	1,006		7.5	2.4					1,435	6	2.3	4.7	4	73	284	8
		11,837	6	-51.0		4	82	265	24	13,702	6	-52.4		4	88	263	20
GOOSE	2			6.9	3.4					1,398	7	0.8	2.5	6	51	274	6
		11,776	7	-51.0		6	77	258	21	13,644	7	-51.2		6	82	257	17
MANIWAKI	2	997		8.5	1.1					1,488	6	4.8	5.5	4	82	273	9
		11,961	6	-53.6		4	90	277	34	13,800	7	-56.2		4	91	273	24
STEPHENVILLE	2	1,006		10.8	2.7					1,447	6	2.9	3.2	5	70	263	8
		11,926	6	-52.7		9	72	274	22	13,774	6	-54.6		9	81	272	17
SHELBURNE	2	1,015		10.9	1.1					1,503	6	7.3	10.3	5	79	288	8
		12,085	6	-55.3		5	85	263	29	13,900	6	-59.4		6	85	262	21
SABLE ISLAND	2	1,016		15.6	4.7					1,495	6	6.9	6.8	4	74	279	7
		12,106	6	-54.8		6	83	262	25	13,925	6	-59.4		7	87	263	20
ST. JOHN'S (TORBAY)	2									1,463	6	5.5	7.6	5	72	273	8
		12,024	6	-53.0		6	84	256	29	13,868	6	-54.9		7	87	264	23
SOUTH AMERICA																	
ARGENTINA-SOUTHERN																	
COMANDANTE ESPORA B.N.	2	1,011		9.1	2.4					1,505	5	5.2	8.7	5	46	259	4
		11,830	5	-55.8		17	95	273	25	13,663	7	-55.9					
RIO GRANDE B.A.	2	1,009		1.7	2.2					1,397	11	-1.4	10.3				
		11,454	11	-63.8						13,223	11	-62.3					
ANTARCTICA																	
DAVIS	1	979		-15.6	6.1					1,069	0	-19.0	4.9	6	83	56	7
		10,643	0	-70.4		9	31	310	5	12,333	0	-72.9					
CASEY	1	975		-15.2	4.8					1,051	0	-17.4	4.9	2	36	68	3
		10,689	0	-67.0		1	77	263	15	12,420	0	-68.4		1	88	268	20
AUSTRALASIA																	
AUSTRALIA WESTERN																	
BROOME	1													0	66	302	5
						1	90	27	23					2	84	280	20
PORT HEDLAND	1	1,012		18.0	5.9					1,504	1	14.1	12.0	0	57	317	4
		12,296	1	-53.9		0	92	274	32	14,081	1	-67.5		0	91	275	28
CARNARVON	1	1,014		14.8	4.7					1,493	5	10.1	12.3	0	38	205	2
		12,146	6	-53.5		0	95	270	44	13,948	6	-54.0		0	94	266	36
PERTH AIRPORT	1	1,017		10.3	2.8					1,495	0	4.4	5.5	0	41	239	3
		11,885	0	-50.1		0	95	261	36	13,742	0	-55.4		0	96	264	31
ALBANY M.O.	1	1,010		10.0	1.9					1,486	5	1.7	1.6	0	40	241	4
		11,812	6	-50.3		1	95	256	27	13,685	7	-53.1		2	96	257	26
GILES	1	948		17.2	13.1					1,517	0	11.7	11.9	0	43	338	3
		12,175	0	-51.9		0	95	274	47	13,989	0	-63.0		2	95	273	35
KALGOORLIE	1	976		8.9	3.9					1,504	4	4.9	6.1	3	37	239	3
		11,954	4	-49.0		18	98	268	38	13,813	4	-55.3		20	98	267	30
FORREST	1	999		11.5	4.4					1,490	18	5.3	7.2	10	66	241	6
		11,913	18	-48.8		10	94	266	45	13,785	19	-55.7		11	94	264	38
AUSTRALIA NORTHEASTERN																	
WILLIS ISLAND	1	1,014		25.5	6.0					1,529	0	16.0	12.3	0	70	131	4
		12,365	2	-55.0		1	93	276	19	14,143	3	-68.7		1	94	270	17
DARWIN AIRPORT	1	1,010		25.7	3.9					1,523	0	16.8	7.4	1	90	103	6
		12,382	0	-54.5		4	67	309	8	14,164	0	-68.8		4	64	326	8
ALICE SPRINGS	1	955		15.7	12.8					1,524	0	10.5	12.4	0	8	58	1
		12,196	0	-53.0		2	97	273	47	13,998	0	-64.8		2	96	273	42

STATION	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
SEPTEMBER 1984	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																								
CANADA-EASTERN																								
CHURCHILL	2,935	7	-10.9	10.3	6	85	313	9	5,455	7	-25.1	10.6	5	84	299	12	8,984	7	-49.0	8.8	5	83	288	19
	16,121	7	-50.6		5	91	277	11	20,626	8	-51.2		4	91	277	7	23,946	8	-50.8		4	90	271	6
INOUCDJOUAC	2,882	7	-10.8	7.9	4	73	294	6	5,404	7	-24.6	10.6	4	82	282	11	8,943	7	-48.5	8.0	4	73	272	15
	16,140	7	-49.5		4	89	260	10	20,659	8	-50.9		4	92	261	7	23,984	8	-50.3		4	89	259	5
FORT CHIMO	2,876	6	-10.3	7.0	4	70	273	6	5,408	6	-23.0	8.7	4	76	262	12	8,974	6	-46.8	8.0	4	67	254	17
	16,170	6	-49.7		4	90	253	10	20,690	6	-51.2		4	89	246	7	24,016	6	-50.0		4	88	246	5
TROUT LAKE	2,969	6	-8.0	8.5	5	74	295	8	5,513	6	-22.7	8.0	5	77	284	12	9,079	6	-46.6	9.1	5	71	280	19
	16,222	6	-51.5		4	92	277	14	20,701	7	-52.1		4	91	277	7	24,016	8	-50.3		4	88	267	5
NITCHEQUON	2,938	6	-7.9	6.8	4	85	275	11	5,490	6	-21.1	10.0	4	81	269	14	9,074	6	-45.8	9.9	4	75	272	19
	16,233	6	-52.0		4	92	262	13	20,720	6	-52.0		4	91	256	6	24,034	7	-50.3		4	93	253	5
MOOSONEE	2,976	6	-6.1	10.4	5	83	281	11	5,540	6	-21.0	11.4	5	86	275	17	9,122	6	-45.3	10.4	5	83	277	25
	16,266	6	-51.3		5	92	273	14	20,731	6	-52.4		4	94	267	7	24,046	6	-50.3		4	91	262	5
SEPT-ILES	2,985	6	-5.0	6.9	4	86	275	12	5,558	6	-20.0	12.0	4	81	271	16	9,167	6	-42.8	10.8	4	72	262	23
	16,312	6	-54.3		4	89	261	13	20,774	6	-52.7		4	89	250	6	24,081	6	-50.8		4	88	251	4
GOOSE	2,941	7	-5.8	8.1	6	65	273	9	5,507	7	-20.4	10.0	6	68	268	13	9,107	7	-44.1	11.0	6	68	262	19
	16,274	7	-52.3		5	86	250	12	20,753	8	-52.1		5	88	246	6	24,077	10	-50.9		6	84	246	5
MANIWAKI	3,049	6	-2.9	8.3	4	89	276	14	5,647	6	-16.7	12.0	4	89	277	21	9,299	6	-41.6	11.5	4	85	280	31
	16,361	7	-58.0		4	93	270	15	20,764	8	-53.6		4	90	265	6	24,061	8	-51.4		4	68	274	4
STEPHENVILLE	3,005	6	-2.9	10.7	5	78	268	13	5,602	6	-17.0	10.4	5	75	260	19	9,253	6	-41.3	9.8	7	73	260	25
	16,359	6	-55.7		9	85	266	10	20,789	7	-53.9		9	83	250	4	24,082	7	-51.5		7	53	256	2
SHELBURNE	3,084	6	0.5	13.1	5	86	276	12	5,717	6	-13.6	13.0	5	85	269	19	9,416	6	-39.1	10.0	58	2	263	27
	16,425	6	-59.9		5	90	258	13	20,809	6	-54.7		4	38	259	2	24,098	6	-51.3		5	59	66	3
SABLE ISLAND	3,078	6	1.1	10.5	4	84	267	12	5,719	6	-12.5	13.9	4	83	263	18	9,428	6	-38.2	11.2	4	82	257	25
	16,454	6	-59.9		7	88	261	11	20,836	7	-54.8		6	46	261	2	24,122	9	-50.9		5	34	55	2
ST. JOHN'S (TORBAY)	3,034	6	-0.3	11.8	5	80	259	13	5,654	6	-14.9	11.4	5	81	255	20	9,336	6	-39.0	11.0	5	78	257	28
	16,451	6	-56.2		5	88	255	15	20,878	8	-53.5		5	74	248	3	24,170	9	-51.4		6	3		**
SOUTH AMERICA																								
ARGENTINA-SOUTHERN																								
COMANDANTE ESPORA B.N.	3,070	5	-2.6	14.5	6	56	296	6	5,654	5	-19.6	16.8	7	69	276	11	9,232	5	-47.7	18.1	8	0	280	18
	16,228	8	-58.3						20,613	18	-56.4													
RIO GRANDE B.A.	2,920	11	-9.0	12.7					5,434	11	-26.1	12.5					8,925	11	-52.6	12.1				
	15,728	12	-62.5						20,049	16	-63.4													
ANTARCTICA																								
DAVIS	2,505	0	-23.7	9.5	6	32	88	3	4,883	0	-40.0		8	3	149	1	8,190	0	-62.1		9	47	265	8
	14,704	0	-73.8						18,761	0	-71.9						21,758	0	-63.9					
CASEY	2,489	0	-23.4	7.4	0	23	124	3	4,876	0	-38.6	7.3	0	29	225	4	8,210	0	-60.0		0	40	270	7
	14,850	0	-62.5		1	93	271	31	19,069	0	-62.2		4	95	273	49						94	273	55
AUSTRALASIA																								
AUSTRALIA WESTERN																								
BROOME					0	79	320	8					1	95	271	16					1	95	268	23
					4	77	262	11																
PORT HEDLAND	3,114	1	5.8	20.7	0	84	296	10	5,790	1	-9.2	23.2	2	93	269	19	9,567	1	-32.6		0	94	270	31
	16,464	1	-74.8		0	88	267	16	20,647	4	-59.9		4	78	119	6					19	99	88	15
CARNARVON	3,082	5	2.3	23.3	0	66	251	6	5,714	5	-14.8	21.0	0	89	256	17	9,418	5	-35.1		0	95	265	44
	16,382	6	-70.4		0	94	260	17	20,598	6	-59.6		4	88	115	7	23,833	18	-53.2		17	97	92	15
PERTH AIRPORT	3,053	0	-2.9	15.9	0	45	250	4	5,636	0	-19.8	13.6	0	77	255	11	9,215	0	-45.7		0	86	258	23
	16,286	0	-60.8		0	96	262	19	20,634	3	-56.5		4	82	116	6								
ALBANY M.O.									5,602	5	-21.0	13.5	0	71	252	10	9,172	6	-48.0		1	80	250	18
	3,034	5	-4.7	13.7	1	62	240	6	20,665	18	-54.2		19	74	130	4								
GILES									5,744	0	-14.4	18.8	0	91	275	20	9,444	0	-34.9		0	95	274	47
	16,429	0	-69.4		2	94	265	14	20,678	2	-58.4		12	88	87	8	23,920	11	-53.3					
KALGOORLIE	3,065	4	-2.1	17.3	5	51	244	5	5,658	4	-18.8	11.7	10	79	256	12	9,262	4	-43.5		14	92	266	25
	16,357	4	-60.8		20	98	259	14	20,699	8	-56.0						23,974	19	-51.3					
FORREST	3,057	18	-2.1	16.7	10	75	271	8	5,643	18	-19.8	16.8	10	90	271	17	9,225	18	-44.6		10	92	266	35
	16,325	19	-61.4		11	92	264	22	20,665															
AUSTRALIA NORTHEASTERN																								
WILLIS ISLAND	3,150	0	7.1	11.4	0	66	270	5	5,848	0	-7.0	19.3	0	90	278	12	9,642	1	-32.4		0	95	275	17
	16,493	3	-78.2		1	80	275	7	20,642	5	-61.9		3	97	99	9						99	90	31
DARWIN AIRPORT	3,149	0	7.8	11.8	1	27	142	2	5,851	0	-7.0	16.1	1	80	285	5	9,654	0	-31.8		3	78	270	9
	16,508	0	-78.7		4	28	124	2	20,654	0	-61.3		7	98	96	15	23,881	5	-53.4		12	99	93	23
ALICE SPRINGS	3,120	0	2.6	11.7	1	86	277	10	5,756	0	-13.6	14.7	1	96	272	19	9,471	0	-35.1		2	98	274	42
	16,414	1	-70.1		3	97	266	21	20,647	3	-59.3		4	76	90	6								

UPPER AIR DATA LATE REPORTS

STATION	TIME OF OBSERVATIONS	SURFACE 200 MB HEIGHT	SURFACE TEMPERATURE NUMBER OF MISSING DAYS	SURFACE TEMPERATURE MEAN	SURFACE DEW POINT DEPRESSION	SURFACE MEAN VECTOR WIND NUMBER OF MISSING DAYS	SURFACE MEAN VECTOR WIND STEADINESS FACTOR	SURFACE MEAN VECTOR WIND DIRECTION	SURFACE MEAN VECTOR WIND SPEED	850 MB 150 MB HEIGHT	850 MB TEMPERATURE NUMBER OF MISSING DAYS	850 MB TEMPERATURE MEAN	850 MB DEW POINT DEPRESSION	850 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	850 MB MEAN VECTOR WIND STEADINESS FACTOR	850 MB MEAN VECTOR WIND DIRECTION	850 MB MEAN VECTOR WIND SPEED	700 MB 100 MB HEIGHT	700 MB TEMPERATURE NUMBER OF MISSING DAYS	700 MB TEMPERATURE MEAN	700 MB DEW POINT DEPRESSION	700 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	700 MB MEAN VECTOR WIND STEADINESS FACTOR	700 MB MEAN VECTOR WIND DIRECTION	700 MB MEAN VECTOR WIND SPEED	500 MB 50 MB HEIGHT	500 MB TEMPERATURE NUMBER OF MISSING DAYS	500 MB TEMPERATURE MEAN	500 MB DEW POINT DEPRESSION	500 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	500 MB MEAN VECTOR WIND STEADINESS FACTOR	500 MB MEAN VECTOR WIND DIRECTION	500 MB MEAN VECTOR WIND SPEED	300 MB 30 MB HEIGHT	300 MB TEMPERATURE NUMBER OF MISSING DAYS	300 MB TEMPERATURE MEAN	300 MB DEW POINT DEPRESSION	300 MB MEAN VECTOR WIND NUMBER OF MISSING DAYS	300 MB MEAN VECTOR WIND STEADINESS FACTOR	300 MB MEAN VECTOR WIND DIRECTION	300 MB MEAN VECTOR WIND SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
SEPTEMBER 1984																																									
AUSTRALASIA																																									
AUSTRALIA NORTHEASTERN																																									
MT. ISA M.O.	1	977		19.9	15.9					1,529	17	14.9	15.5	3	21	163	1	3,143	17	4.4	15.2	4	68	252	5	5,804	17	-9.8	19.2	7	96	264	19	9,574	17	-33.5		10	98	276	35
		12,295	17	-54.5		16	97	275	32	14,077	17	-67.5		18	96	275	30	16,461	17	-75.1						20,650	18	-60.5													
CHARLEVILLE	1	983		17.5	13.1					1,517	5	8.0	14.4	1	48	255	3	3,098	5	0.7	17.7	0	84	261	11	5,718	5	-15.6	14.6	0	93	267	21	9,391	5	-36.9		0	98	272	49
		12,119	5	-50.7		0	97	271	55	13,942	5	-61.4		2	97	274	43	16,414	5	-66.2		1	98	268	22	20,704	11	-57.3		11	55	86	4								
TOWNSVILLE	1	1,016		25.0	9.1					1,533	0	13.7	8.6	0	47	23	2	3,143	0	4.6	11.1	0	81	265	7	5,820	0	-8.6	20.6	0	95	267	17	9,598	0	-32.8		0	97	274	30
		12,319	0	-54.7		0	96	272	32	14,100	0	-68.0		2	95	277	28	16,468	0	-76.1		4	93	269	13	20,651	0	-60.5		5	83	117	7	23,893	18	-52.5		18	95	96	9
BRISBANE AIRPORT	1	1,016		18.5	9.8					1,500	0	7.8	9.0	0	54	257	5	3,077	0	-0.2	16.0	1	87	264	11	5,686	0	-17.0	14.5	0	93	274	21	9,339	0	-38.3		2	96	273	51
		12,052	0	-51.7		3	97	270	57	13,875	0	-61.0		2	98	271	48	16,352	0	-65.8		2	97	270	22	20,642	0	-57.4		3	84	94	6	23,906	10	-52.0		16	99	85	13
AUSTRALIA SOUTHEASTERN																																									
WOOMERA	1	999		13.1	9.0					1,500	0	5.0	8.9	0	52	265	6	3,062	0	-3.0	12.2	0	72	260	9	5,647	0	-19.3	11.2	0	80	261	15	9,244	0	-44.7		0	93	271	33
		11,920	0	-50.2		0	98	272	45	13,770	0	-56.4		0	98	270	36	16,309	0	-60.6		0	96	266	17	20,671	3	-55.0		2	68	84	5	23,956	16	-51.0		17	94	84	12
COBAR M.O.	1	986		12.1	7.4					1,488	0	4.4	9.4	1	58	247	6	3,050	0	-2.9	14.7	0	76	256	10	5,631	0	-19.6	12.5	0	82	265	16	9,225	0	-44.4		0	91	268	33
		11,903	0	-50.0		0	97	271	44	13,758	0	-55.4		0	99	268	39	16,311	0	-59.9		1	96	266	20	20,690	3	-55.1		7	58	100	4	23,973	18	-51.4		20	94	79	10
ADELAIDE AIRPORT	1	1,017		12.4	6.6					1,477	0	1.5	4.4	0	56	268	6	3,025	0	-4.4	13.2	0	64	259	8	5,597	0	-20.8	12.0	0	72	262	12	9,170	0	-47.1		0	88	264	23
		11,816	0	-50.3		0	98	269	32	13,682	0	-52.9		0	97	271	28	16,270	0	-56.4		1	97	268	16	20,689	1	-53.4		2	41	112	3	24,003	7	-50.4		8	94	87	11
MT. GAMBIER M.O.	1	1,007		11.0	4.6					1,457	0	1.0	4.5	1	54	265	6	2,997	0	-6.2	11.2	1	58	255	7	5,552	0	-22.5	11.1	1	71	257	11	9,098	0	-49.2		1	71	265	15
		11,719	0	-51.0		1	95	268	23	13,593	0	-51.1		1	96	268	21	16,210	0	-53.6		1	95	265	14	20,676	3	-51.8		4	34	148	2	24,005	9	-49.1		10	75	85	7
LAVERTON AIRPORT	1	1,011		10.3	4.6					1,418	7	0.0	3.1	0	59	284	6	2,952	7	-7.8	10.1	0	56	278	7	5,483	7	-25.0	13.3	0	57	278	10	8,990	7	-50.8		1	61	278	13
		11,601	7	-51.2		1	85	276	17	13,480	7	-49.9		3	88	272	16	16,120	7	-51.3		5	92	273	16	20,628	10	-49.9		12	84	268	8								
WILLIAMTOWN	1	1,014		13.9	6.3					1,471	0	4.2	6.0	0	60	251	6	3,026	0	-3.8	11.6	0	64	268	7	5,598	0	-20.9	14.3	0	74	266	14	9,174	0	-45.5		0	88	272	29
		11,848	1	-49.5		0	97	269	37	13,713	1	-54.7		1	97	272	30	16,277	1	-58.1		2	94	275	14	20,661	6	-54.6		10	90	97	7								
HOBART AIRPORT	1	1,011		10.3	4.6					1,418	7	0.0	3.1	0	59	284	6	2,952	7	-7.8	10.1	0	56	278	7	5,483	7	-25.0	13.3	0	57	278	10	8,990	7	-50.8		1	61	278	13
		11,601	7	-51.2		1	85	276	17	13,480	7	-49.9		3	88	272	16	16,120	7	-51.3		5	92	273	16	20,628	10	-49.9		12	84	268	8								
SOUTH PACIFIC																																									
HONIARA	1	1,005		29.6	7.6					1,521	3	18.0	5.1	0	82	97	5	3,160	3	9.6	7.8	1	69	68	4	5,874	3	-5.8	10.0	2	61	63	3	9,691	5	-31.3		4	8	39	1
		12,426	6	-53.9		7	27	215	2	14,208	8	-68.4		12	33	175	2	16,548	11	-79.4		13	43	93	3	20,677	14	-61.9		13	97	87	17	23,895	17	-54.0		19	99	88	32
NORFOLK ISLAND	1	1,001		17.6	4.5					1,498	13	5.7	3.9	4	37	263	3	3,067	13	-1.3	14.1	4	63	275	6	5,665	13	-18.4	11.1	9	78	269	14	9,287	13	-41.5		9	93	266	38
		11,974	13	-52.1		10	96	262	48	13,809	13	-58.3		15	97	266	39	16,320	13	-63.2		18	96	272	20	20,642	17	-56.6													
LORD HOWE ISLAND	1	1,012		17.0	4.5					1,502	19	5.8	5.1	5	52	277	5	3,069	19	-1.3	13.5	7	72	288	8	5,664	19	-18.9	13.0	9	80	282	14	9,256	19	-45.2		10	92	273	35
		11,920	19	-50.8		13	97	275	41	13,776	19	-55.1		18	96	272	32	16,326	20	-60.2		19	92	281	17	20,700	20	-54.6													
MACQUARIE ISLAND	1	999		4.0	2.1					1,302	0	-3.8	5.6	3	82	294	15	2,811	0	-11.8	8.3	0	87	298	19	5,283	0	-27.3	10.4		4			8,777	1	-49.6		2	82	294	27
		11,343	0	-57.1		3	93	288	27	13,178	0	-54.3		5	97	283	29	15,777	2	-52.1		6	98	278	35																
COCOS ISLAND AP	1	1,011		25.1	4.4					1,504	5	14.8	3.0	0	82	118	5	3,130	5	9.7	20.1	0	18	181	1	5,842	5	-5.9	19.1	0	53	120	3	9,643	5	-33.0		0	23	346	1
		12,356	6	-55.9		1	70	4	6	14,123	6	-70.3		1	55	35	5	16,456	7	-78.8		3	74	96	7	20,576	9	-63.3		9	98	97	15								
OCTOBER 1984																																									
SOUTH AMERICA																																									
ARGENTINA-NORTHERN																																									
SALTA AERO	2	877		15.4	2.5					1,483	0	16.2	3.1	1	47	58	1	3,121	0	11.6	9.0	0	72	336	4	5,854	0	-5.6	14.5	0	62	298	5	9,639	0	-33.9	13.8	1	89	286	18
		12,350	0	-54.9		1	94	282	27	14,141	0	-65.2		1	94	285	23	16,545	0	-74.9		1	95	277	13	20,685	0	-61.9		1	6	42	1	23,892	0	-55.4		2	23	49	1
MENDOZA AERO	2	933		14.4	7.3					1,490	2	12.4	6.8	5	71	172	4	3,098	2	5.1	13.2	7	57	313	4	5,760	2	-12.2	16.0	9	88	279	17	9,454	2	-39.9	14.3	18	94	264	27
		12,124	2	-55.7						13,928	2	-61.5						16,402	2	-67.1						20,630	3	-59.4						23,847	3	-57.0					
CORDOBA AERO	2	958		26.1	5.1					1,488	0	14.5	9.4	2	36	15	4	3,108	0	8.5	14.8	2	73	315	7	5,796	0	-9.8	18.2	2	93	284	17	9,523	0	-37.7	16.3	2	95	285	28
		12,225	4	-54.7		9	94	283	30	14,046	8	-62.4		14	96	278	34	16,499	14	-70.2																					
RESISTENCIA AERO	2	1,005		21.7	3.8					1,502	0	18.2	11.8	6	45	15	5	3,142	0	9.0	11.1	10	59	348	5	5,853	0	-6.8	20.6	11	76	249	6	9,631	0	-34.5	15.6	18	84	259	13
		12,344	0	-54.5		19	86	260	26	14,138	0	-64.9						16,558	0	-73.1						20,712	1	-61.6						23,918	2	-55.9					
ARGENTINA-SOUTHERN																																									
SANTA ROSA AERO	2	992		12.6	4.3					1,485	0	10.9	14.6	7	41	227	4	3,075	0	1.9	15.4	7	79	287	10	5,699	0	-15.5	17.9	9	89	285	19	9,347	0	-42.3	19.3	10	91	285	30
		11,995	0	-55.6		11	94	288	38	13,810	0	-59.7		14	98	285	35	16,311	1	-64.2		16	96	283	29	20,562	5	-62.1		18	87	282	18	23,737	6	-59.3		17	86	278	19
NEUQUEN AERO	2	981		10.7	8.5					1,461	10	7.5	14.0	10	82	277	13	3,033	10	-1.4	20.9	10	92	281	21	5,632	10	-17.6	16.1	11	96	280	32	9,247	10	-43.5	16.2				
		11,885	10	-54.5						13,714	10	-57.4						16,244	10	-62.0						20,556	10	-59.1						23,776	13	-56.8					
EZEIZA AERO	2	1,012		16.2	3.8					1,497	0	12.8	15.6	0	34	254	3	3,100	0	3.9	14.8	0	76	267	10	5,752	0	-12.9	14.5	0	91	272	20	9,447	0	-39.4	14.8	0	94	277	36
		12,120	0	-55.7		0	95	277	41	13,931	0	-60.6		0	98	273	39	16,420	1	-65.3		1	96	268	27	20,672	2	-59.8		2	77	274	11	23,897	10	-55.5		11	71	275	12
COMANDANTE ESPORA B.N.	2	1,006		13.1	5.3					1,477	1	8.3	14.1	2	77	260	8	3,050	1	-1.6	13.0	3	88	268	15	5,653	1	-17.2	14.3	5	92	280	27	9,281	1	-43.9	16.7	10	92	279	36
		11,916	1	-56.3						13,735	1	-58.2						16,269	3	-61.3						20,547	18	-61.6													
COMODORO RIVADAVIA AERO	2	1,000		10.8	8.5					1,379	1	2.9	14.5	1	84	256	12	2,918	1	-8.1	62.0	18	9	259	12	5,440	1	-26.0	21.4	1	90	267	17	8,946	2	-50.2	24.6	2	91	273	31
		11,557	2	-54.5		2	94	280	32	13,401	3	-55.8		3	95	281	32	15,962	3	-58.6		3	96	280	30	20,267	6	-61.4		7	92	277	29	23,466	20	-59.0		20	92	278	26
ANTARCTICA																																									
B. A. VICECOMODORO MARAMBIO	2	945		-6.3	2.3					1,226	10	-6.1	12.1	11	36	290	2	2,722	10	-13.9	14.9	11	33	270	3	5,197	10	-30.7	14.0	11	50	261	6	8,623	10	-56.5	15.0	11	48	262	10
		11,100	10	-69.0		12	71	259	15	12,813	10	-70.1		12	90	257	20	15,207	10	-72.1		12	92	255	28	19,307	10	-68.8		14	90	257	35	22,418	13	-61.6		21	95	269	35
MAWSON	2	981		-14.0	9.2					1,078	0	-23.0	7.5	0	85	108	5	2,488	0	-25.9	8.8	0	63	225	5	4,859	0	-39.4	9.4	1	81	249	11	8,205	1	-59.4		0	87	259	18
		10,689	1	-66.0		0	92	262	21	12,433	1	-66.3		0	96	265	24	14,892	1	-65.1		0	95	270	30	19,209	1	-54.8		2	95	276	47	22,498	8	-44.1			95	285	52
DAVIS	1	978		-17.2	7.3					1,053	0	-22.3	3.3	6	76	39	5	2,463	0	-27.5	4.2	4	23	329	2	4,819	0	-41.2	6.7	2	52	286	7	8,130	0	-60.6		3	69	283	11
		10,611	0	-66.1		5	79	274	13	12,350	0	-67.1						14,801	0	-65.3						19,113	0	-54.5						22,467	0	-43.2					

UPPER AIR DATA LATE REPORTS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	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
OCTOBER 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
SOUTH AMERICA																																									
ANTARCTICA																																									
CASEY	1	973		-13.2	4.6					1,046	1	-17.0	5.3	1	44	4	3	2,489	1	-23.5	5.9	1	34	300	3	4,873	1	-37.9	9.3	1	48	286	7	8,224	1	-58.0		1	62	293	9
		10,737	1	-62.0		1	91	290	18	12,517	1	-61.1		1	93	288	23	15,056	1	-56.7		2	96	289	31	19,576	3	-45.7		5	95	290	45	22,972	10	-39.4			96	299	50
AUSTRALASIA																																									
AUSTRALIA WESTERN																																									
BROOME	1													1	33	147	2					1	55	79	5					1	13	209	1					1	82	249	10
						1	87	255	11					1	81	266	10					2	11	253	1					21	97	107	11								
PORT HEDLAND	1	1,011		24.7	9.9					1,529	0	20.7	18.5	0	18	156	1	3,166	0	8.3	13.0	0	31	346	3	5,862	0	-7.2	21.7	1	70	274	7	9,659	0	-32.1		2	91	263	16
		12,393	0	-53.4		0	95	265	18	14,183	0	-67.6		2	95	269	16	16,536	0	-79.1		3	62	268	6	20,666	1	-61.2		5	94	107	9					21	98	93	16
CARNARVON	1	1,015		17.7	3.5					1,521	4	15.5	17.6	0	49	268	3	3,139	4	6.3	17.9	0	83	294	9	5,818	4	-9.2	21.2	1	94	286	17	9,577	4	-33.7		0	95	277	33
		12,300	4	-53.7		0	96	276	35	14,092	4	-66.2		1	95	278	31	16,478	4	-75.0		1	95	278	14	20,640	4	-61.3		5	97	100	9	23,857	16	-54.3		16	99	93	17
PERTH AIRPORT	1	1,017		13.5	3.7					1,506	0	7.4	8.0	1	60	286	5	3,088	0	1.9	19.3	0	73	292	9	5,720	0	-14.6	19.0	0	85	280	18	9,392	0	-39.7		0	92	276	35
		12,090	0	-52.4		0	97	276	47	13,925	1	-60.4		0	96	276	39	16,407	2	-65.8		1	95	277	21	20,690	3	-58.5		2	87	88	6					18	98	89	14
ALBANY M.O.	1	1,009		12.8	3.6					1,491	12	6.0	7.3	6	63	285	8	3,067	12	0.3	18.5	6	73	286	11	5,682	12	-16.5	13.5	6	82	275	18	9,319	12	-41.9		7	86	271	30
		12,001	12	-51.4		7	95	273	42	13,843	12	-57.4		7	97	273	37	16,367	12	-61.4		10	95	273	17	20,712	15	-55.5		21	92	89	6								
GILES	1	948		23.5	16.8					1,541	0	17.6	16.3	0	35	47	2	3,169	0	6.7	12.6	1	60	262	6	5,839	0	-10.4	17.1	1	83	259	13	9,589	0	-33.9		3	92	253	28
		12,317	0	-52.3		7	95	252	29	14,125	0	-64.2		7	97	258	27	16,532	1	-74.6		11	82	263	8	20,699	4	-60.7		14	8	92	13	23,927	15	-54.2		21	99	84	18
KALGOORLIE	1	976		14.9	7.8					1,522	4	10.7	11.0	1	42	295	4	3,116	4	3.0	16.3	2	79	282	10	5,759	4	-13.6	17.5	6	86	273	16	9,448	4	-37.9		13	94	260	34
		12,162	4	-51.1		18	97	261	42	13,991	4	-60.7		19	98	267	32	16,461	4	-67.0		21	92	273	15	20,735	5	-58.3						23,984	16	-52.7					
FORREST	1	1,001		17.4	9.4					1,539	17	12.0	14.4	18	59	297	7	3,137	17	3.2	15.7	18	85	271	10	5,781	17	-13.5	17.3	20	88	266	16	9,469	17	-38.3		21	95	262	30
		12,164	17	-53.1		21	96	257	39	13,979	17	-61.8		21	97	261	35	16,444	17	-66.8		21	96	264	18	20,709	17	-58.4													
AUSTRALIA NORTHEASTERN																																									
WILLIS ISLAND	1	1,013		25.8	5.2					1,521	0	14.8	5.2	0	60	113	5	3,144	0	7.3	13.3	0	39	232	2	5,841	0	-7.1	19.1	0	74	273	8	9,638	0	-31.9		0	87	280	17
		12,373	0	-53.3		0	91	284	21	14,160	0	-67.9		0	87	277	18	16,514	0	-78.9		0	59	257	5	20,627	7	-62.8		7	96	91	12								
DARWIN AIRPORT	1	1,009		27.7	6.3					1,526	0	18.6	9.1	0	74	103	6	3,160	0	7.9	11.3	1	86	123	8	5,865	0	-5.9	22.8	0	76	126	5	9,682	0	-30.8		0	40	205	3
		12,428	0	-53.4		0	43	273	3	14,214	0	-68.3		0	5	74	**	16,547	0	-81.8		0	74	121	7	20,633	1	-62.5		3	99	96	18	23,850	8	-54.4		6	99	93	25
ALICE SPRINGS	1	955		21.7	17.4					1,542	0	15.1	15.4	1	48	83	5	3,163	0	6.4	12.5	2	61	245	6	5,830	0	-11.1	12.4	1	77	239	11	9,573	0	-34.4		1	89	251	24
		12,304	1	-52.4		1	93	250	30	14,107	1	-65.4		0	92	253	28	16,501	1	-74.9		0	91	249	16	20,657	4	-61.6		1	94	97	10	23,873	16	-55.5		14	97	86	15
MT. ISA M.O.	1	976		25.6	17.1					1,545	14	17.3	14.0	1	50	92	4	3,172	14	7.3	13.0	1	54	204	4	5,855	14	-8.5	14.4	1	71	227	10	9,636	14	-33.2		2	79	248	22
		12,374	15	-52.6		3	85	260	23	14,175	15	-65.7		7	85	258	19	16,557	15	-76.5		16	71	233	9	20,700	16	-61.5													
CHARLEVILLE	1	963		22.4	12.7					1,538	2	13.3	11.2	0	32	7	3	3,142	2	3.4	13.1	0	34	230	3	5,788	2	-12.8	15.9	0	65	253	10	9,496	2	-37.0		0	77	255	22
		12,213	2	-51.2		0	81	261	30	14,040	2	-61.4		0	85	261	29	16,499	2	-68.7		1	83	261	13	20,731	7	-59.6		7	97	95	11								
TOWNSVILLE	1	1,015		26.0	8.7					1,533	0	13.9	7.4	2	69	94	5	3,147	0	6.1	13.5	1	60	156	6	5,827	0	-8.6	21.1	1	57	230	8	9,603	0	-32.8		1	73	259	19
		12,336	0	-52.8		1	83	262	22	14,136	0	-66.5		1	85	266	20	16,512	0	-76.4		2	79	253	12	20,656	0	-61.6		4	94	94	9	23,877	19	-54.9					
BRISBANE AIRPORT	1	1,018		20.6	6.0					1,532	1	9.5	4.8	0	56	121	4	3,121	1	1.7	11.2	0	17	216	1	5,754	1	-14.1	14.2	1	62	273	8	9,431	1	-39.5		1	72	276	22
		12,132	2	-51.7		0	85	274	32	13,957	2	-60.6		0	88	269	28	16,426	2	-67.3		0	87	264	14	20,681	3	-59.1		3	97	93	11	23,923	13	-53.9		11	99	85	20
AUSTRALIA SOUTHEASTERN																																									
WOOMERA	1	1,000		19.1	13.5					1,535	0	10.0	12.6	0	26	286	2	3,125	0	2.2	16.6	0	52	264	5	5,754	0	-15.1	13.7	0	74	262	12	9,416	0	-40.1		0	84	249	26
		12,107	0	-51.6		0	91	255	34	13,940	1	-59.3		0	91	258	29	16,430	2	-65.1		0	90	262	15	20,708	6	-58.2		4	92	90	9	23,962	14	-53.2		13	99	87	17
COBAR M.O.	1	988		18.2	10.8					1,533	0	10.1	10.9	0	21	324	2	3,118	0	0.8	12.7	0	39	271	4	5,739	0	-15.7	12.8	1	57	251	8	9,389	1	-42.4		1	71	254	16
		12,068	1	-51.3		2	82	257	28	13,908	1	-57.9		2	88	260	26	16,415	1	-63.6		3	88	267	14	20,725	5	-57.5		6	94	95	8	23,987	14	-52.5		11	99	86	18
ADELAIDE AIRPORT	1	1,020		16.2	7.9					1,520	0	7.3	13.6	0	51	278	4	3,098	0	0.2	17.4	0	66	270	8	5,711	0	-16.0	13.0	7	3	263	12	9,352	0	-43.0		0	81	263	22
		12,021	0	-51.2		0	88	256	30	13,868	0	-56.5		0	91	258	27	16,404	0	-60.8		3	90	265	16	20,750	5	-56.2		5	78	83	7	24,017	8	-52.3		8	97	80	15
MT. GAMBIER M.O.	1	1,011		14.5	6.4					1,504	4	5.1	12.9	3	58	276	6	3,069	4	-1.6	16.2	0	72	268	9	5,666	4	-18.1	13.9	1	73	268	13	9,276	4	-45.4		4	73	267	19
		11,919	4	-51.3		2	85	263	25	13,777	4	-54.4		1	89	263	24	16,348	4	-57.2		6	88	266	15	20,575	5	-53.8		10	54	76	4	24,057	8	-50.8		12	95	78	13
LAVERTON AIRPORT	1	1,017		14.5	6.1					1,503	0	4.9	8.3	0	55	280	6	3,069	0	-1.9	13.7	0	68	267	8	5,663	0	-18.2	15.9	0	75	265	14	9,274	0	-45.0		0	74	263	20
		11,918	0	-51.3		0	88	260	25	13,775	0	-54.1		0	90	265	23	16,357	1	-57.1		2	89	269	13	20,768	2	-53.4		5	84	86	6								
WILLIAMTOWN	1	1,019		18.0	5.4					1,533	0	8.7	7.3	0	38	251	3	3,114	0	0.0	10.9	0	63	267	5	5,725	0	-16.5	12.6	0	74	271	8	9,359	0	-43.6		0	69	272	15
		12,021	0	-51.2		0	86	266	25	13,869	0	-56.4		1	90	262	23	16,394	0	-62.1		1	88	265	11	20,728	7	-56.9		8	96	87	9								
HOBART AIRPORT	1	1,014		12.9	7.1					1,446	10	4.2	7.6	0	75	274	11	3,002	10	-3.4	11.2	0	76	264	13	5,881	10	-19.9	9.2	0	75	272	16	9,168	10	-46.0		3	71	266	20
		11,801	10	-52.0		3	85	268	23	13,667	10	-52.5		5	92	274	19	16,275	10	-52.6		12	91	270	15	20,762	12	-51.3		16	20	83	1								
SOUTH PACIFIC																																									
HONIARA	1	1,005		29.0	5.7					1,517	2	18.4	3.0	0	56	67	3	3,160	2	9.9	6.4	0	56	27	3	5,879	2	-5.3	8.5	1	50	2	3	9,704	2	-30.7		1	59	300	5
		12,444	2	-54.0		2	59	321	7	14,224	2	-69.2		3	57	304	7	16,548	4	-81.8		4	28	203	3	20,632	9	-63.1		10	97	85	18	23,853	12	-52.2		15	99	89	32
NORFOLK ISLAND	1	1,008		18.3	5.3					1,535	14	6.5	3.7	3	17	101	1	3,118	14	2.1	13.3	4	46	264	3	5,759	14	-13.3	13.4	6	85	271	11	9,446	14	-39.0		10	90	284	33
		12,135	14	-52.9		11	94	279	42	13,952	14	-61.0		11	97	276	38	16,436	14	-65.9		10	94	266	16	20,709	16	-58.2		19	96	91	9								
LORD HOWE ISLAND	1	1,016		18.9	4.6					1,547	16	7.2	3.9	2	22	324	1	3,126	16	0.6	15.3	2	62	268	5	5,747	16	-15.3	16.9	4	70	282	10	9,402	16	-42.7		10	69	282	18
		12,074	17	-51.0		15	80	279	27	13,920	17	-57.2		18	88	267	22	16,441	19	-63.4		20	86	266	11	20,763	21	-57.0													
MACQUARIE ISLAND	1	994		4.6	1.8					1,260	0	-3.4	3.9					2,777	0	-10.6	5.9													8,771	1	-49.6					
		11,425	2	-48.9						13,320	3	-47.5						16,007	4	-46.2																					
COCOS ISLAND AP	1	1,012		25.4	3.8					1,517	0	15.6	2.8	0	83	115	6	3,144	0	8.6	10.8	0	49	90	3	5,854	0	-6.1	13.8	0	31	82	2	9,656	0	-32.4		0	43	38	3
		12,378	1	-55.4		1	75	28	8	14,150	1	-69.8		1	77	43	10	16,482	3	-80.9		3	82	88	8	20,575	5	-63.8		5	98	96	18								

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
NOVEMBER 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																																									
MEXICO-NORTHERN																																									
ISLA GUADALUPE, B.C.	2	1,017		16.0	2.8					1,534	0	11.7	17.0	0	76	302	5	3,144	0	5.8	19.7	0	78	280	8	5,812	0	-11.4	17.3	0	77	274	12	9,520	1	-39.0	11.0	3	81	267	17
		12,198	2	-55.9		4	91	265	27	14,002	5	-62.9		9	91	266	24	16,468	8	-70.7		12	92	272	16	20,666	14	-63.5		16	83	262	9	23,846	16	-59.8		17	41	260	4
SOUTH AMERICA																																									
ARGENTINA-NORTHERN																																									
SALTA AERO	2	878		16.2	1.8					1,492	0	15.4	2.5	1	47	57	1	3,123	0	9.4	6.5	1	22	314	6	5,844	0	-5.7	19.6	0	71	277	4	9,637	0	-32.2	18.3	0	91	278	20
		12,368	0	-53.4		0	93	278	24	14,163	0	-66.0		0	93	275	19	16,543	0	-76.9		0	77	267	9	20,649	0	-62.9		0	48	60	3	23,851	5	-56.7		5	46	86	3
MENDOZA AERO	2	934		16.4	7.8					1,502	0	12.4	7.0	6	72	168	3	3,105	0	3.5	8.5	6	67	310	4	5,766	0	-11.9	15.7	6	83	277	12	9,480	0	-38.1	58.0	89	0	272	26
		12,182	1	-52.9		11	95	272	35	14,007	1	-60.5		15	94	263	28	16,477	2	-68.3		19	94	265	26	20,697	4	-61.1						23,914	5	-55.3					
CORDOBA AERO	2	959		17.0	4.1					1,499	0	13.1	6.7	1	11	34	1	3,108	0	6.2	8.9	1	45	300	3	5,786	0	-9.8	15.5	1	85	270	15	9,514	0	-36.8	14.6	2	92	270	29
		12,220	1	-52.7		10	86	267	28	14,040	1	-61.1		16	97	268	32	16,501	3	-70.5		18	87	252	16	20,694	15	-60.9						23,904	19	-56.6					
RESISTENCIA AERO	2	1,005		22.7	3.5					1,499	0	17.1	10.1	2	16	19	1	3,130	0	8.2	11.9	6	57	266	6	5,830	0	-8.0	19.2	6	78	262	11	9,606	0	-33.8	19.1	9	89	262	29
		12,334	0	-52.9		13	90	265	37	14,137	0	-64.8		13	92	264	32	16,538	2	-75.3		16	87	259	16	20,661	2	-62.8		20	52	73	6	23,837	9	-57.3					
ARGENTINA-SOUTHERN																																									
SANTA ROSA AERO	2	993		15.0	4.3					1,498	0	10.6	11.8	13	17	206	2	3,084	0	1.1	14.0	13	59	259	7	5,706	0	-14.8	19.4	14	92	272	19	9,358	1	-41.7	18.3	17	87	272	34
		12,024	1	-53.0						13,852	1	-57.9						16,377	2	-63.5						20,623	3	-60.4						23,821	3	-57.8					
NEUQUEN AERO	2	984		13.8	8.0					1,489	0	8.9	14.5	1	63	257	5	3,067	0	-0.9	19.5	2	63	266	7	5,667	0	-17.5	17.8	3	72	274	11	9,290	0	-43.2	18.9	7	70	283	18
		11,946	0	-52.6		12	92	282	24	13,787	0	-56.3		14	86	273	20	16,332	0	-59.9		15	94	277	17	20,647	1	-58.8		17	27	185	3	23,879	7	-55.1					
EZEIZA AERO	2	1,012		17.4	4.5					1,498	0	10.7	8.2	0	42	229	4	3,095	0	3.0	14.2	0	65	244	7	5,740	0	-13.1	15.2	0	84	256	16	9,435	0	-39.1	14.8	0	90	261	33
		12,121	0	-53.0		0	90	264	41	13,952	0	-58.3		1	89	260	34	16,458	2	-65.4		2	91	253	21	20,725	3	-59.0		5	22	265	2	23,960	10	-53.8		11	19	136	3
COMODORO RIVADAVIA AERO	2	1,005		13.7	7.4					1,435	0	5.2	12.1	0	71	250	7	2,992	0	-4.5	13.9	0	85	247	10	5,558	0	-21.6	16.8	0	78	254	13	9,118	0	-47.7	17.6	1	77	261	20
		11,749	1	-53.2		3	86	264	19	13,601	1	-54.0		3	91	260	16	16,184	1	-56.5		3	88	259	12	20,576	2	-56.2		4	70	210	5	23,832	14	-52.4		16	70	139	6
ANTARCTICA																																									
B. A. VICECOMODORO MARAMBIO	2	958		-3.3	4.7					1,138	5	-7.4	9.4	5	66	223	5	2,623	5	-16.0	8.2	5	70	240	7	5,079	5	-31.9	11.9	5	73	248	11	8,515	5	-52.7	15.5	6	78	250	18
		11,110	5	-53.9		5	85	251	22	12,960	5	-53.1		5	88	250	25	15,574	5	-51.3		5	89	249	29	20,174	17	-45.3		17	89	235	35								
EUROPE																																									
GERMAN DEMOCRATIC REP																																									
GREIFSWALD	1	1,013		4.1	2.2					1,432	0	2.9	6.3	0	49	194	6	2,984	0	-4.6	7.6	0	52	222	7	5,549	0	-21.9	7.5	0	62	242	9	9,103	0	-48.8	6.0	0	64	257	15
		11,685	0	-60.2	6.0	0	64	263	14	13,476	1	-59.6	6.6	0	74	268	12	16,005	1	-61.1	7.1	0	86	274	11	20,284	6	-64.4		1	91	284	13	23,433	10	-64.8		2	91	284	15
LINDENBERG	1	1,000		3.0	1.9					1,440	0	4.0	6.3	0	44	202	5	2,998	0	-3.7	8.3	0	50	233	6	5,570	0	-21.1	7.1	0	63	247	9	9,138	0	-48.1	6.3	0	66	266	15
		11,719	0	-61.0	5.6	0	73	272	16	13,503	1	-60.5	6.0	0	80	274	13	16,025	2	-61.4	6.7	0	86	276	11	20,317	7	-63.4		0	93	285	12	23,477	14	-64.0		2	93	289	13
MEININGEN	1	959		3.2	1.8					1,432	0	4.7	6.0	0	59	220	5	2,993	0	-3.6	9.1	0	69	240	8	5,566	0	-20.7	6.9	0	70	241	11	9,139	0	-47.6	5.0	0	64	253	15
		11,728	2	-61.4	4.8	0	72	254	14	13,521	4	-61.0	5.3	2	79	259	11	16,038	5	-61.0	6.3	2	80	271	8	20,330	7	-62.9		4	90	287	9	23,464	12	-64.2		5	92	289	12
POLAND																																									
LEBA	3	1,016		3.9	3.3					1,445	0	1.6	8.6	0	38	195	4	2,993	0	-5.3	11.9	0	37	217	5	5,555	0	-21.6	10.3	0	39	247	6	9,121	0	-48.1		0	47	277	10
		11,706	0	-60.5		0	52	282	12	13,437	2	-59.5		2	75	283	13	16,033	6	-59.5		6	87	285	12	20,306	9	-64.8		9	94	288	15	23,441	12	-65.8		12	95	285	18
POZNAN-LAWICA	3	1,006		3.4	3.7					1,464	2	2.6	12.2	2	52	190	5	3,017	2	-4.7	12.3	2	45	220	5	5,586	2	-21.3	11.2	2	53	270	7	9,149	2	-48.8		2	70	285	15
		11,722	3	-61.4		3	73	290	15	13,518	5	-60.4		5	78	288	12	16,047	6	-61.0		6	87	290	6	20,350	12	-63.3		12	94	233	11	23,496	16	-63.3		16	96	295	15
LEGIONOWO	3	1,007		2.9	2.9					1,470	0	1.6	9.5	0	41	199	5	3,014	0	-5.8	14.3	0	27	240	3	5,572	0	-21.9	13.1	0	38	289	6	9,126	0	-49.1		0	64	306	13
		11,705	2	-60.3		2	67	305	12	13,496	2	-59.6		2	76	295	11	16,039	8	-60.8		8	84	294	10	20,346	12	-63.3		12	93	289	12	23,484	13	-63.9		13	93	282	15
WROCLAW I-MALY GADOW	1	1,002		3.0	2.4					1,455	0	3.2	8.3	1	56	205	6	3,012	0	-3.4		0	34	233	4	5,591	0	-20.3	8.6	4	47	257	6	9,171	0	-47.2		6	67	297	12
		11,760	1	-59.2		13	62	268	6	13,525	16	-59.5																													
ROMANIA																																									
CLUJ	1	970		2.6	1.6					1,482	0	2.5	7.4	0	30	200	2	3,029	0	-5.3	10.4	0	20	315	2	5,593	0	-20.3	8.5	0	40	320	6	9,170	0	-46.9	0.8	0	60	325	13
		11,764	0	-59.0	3.5	0	60	325	13	13,567	0	-58.7	3.1	0	50	320	12	16,102	0	-59.8	4.3	0	60	315	12	20,436	12	-61.0		12	80	295	15								
BUCURESTI/IMH	1	1,010		3.0	2.2					1,494	0	-1.0	3.2	0	40	10	1	3,036	0	-5.4	8.1	0	30	295	2	5,601	0	-20.9	8.6	0	35	295	5	9,183	0	-46.6	6.7	0	60	295	12
		11,786	0	-56.8	7.8	0	60	295	14	13,592	0	-58.1	6.4	0	60	290	13	16,134	0	-59.8	6.6	0	70	290	12																
CONSTANTA	1	1,019		7.2	1.2					1,487	0	1.2	4.0	0	30	20	3	3,029	0	-6.0	6.9	0	30	285	3	5,590	0	-21.4	7.4	0	50	305	6	9,163	0	-47.0	5.5	0	60	295	9
		11,755	0	-58.7	4.9	0	60	295	10	13,562	0	-59.0	5.1	0	80	295	12	16,093	0	-60.2	5.3	0	90	295	16	20,396	13	-61.3		13	80	290	13								
AFRICA																																									
ZIMBABWE																																									
BULAWAYO/GOETZ OBS	1	868		17.5	2.9					1,522	0	17.6	4.8	0	44	63	2	3,163	0	9.4	7.9	0	44	315	2	5,862	0	-8.4	11.6	0	67	220	4	9,630	0	-34.9	14.1	0	89	270	12
		12,334	0	-55.9	17.1	2	95	268	21	14,110	1	-67.3		6	88	251	14	16,492	2	-76.3						20,563	9	-66.1						23,723	10	-58.2					
SALISBURY/BELVEDERE	1	855		18.2	3.6					1,524	3	18.1	4.7	0	100	54	5	3,171	3	9.6	6.0	0	36	104	2	5,881	3	-6.7	10.6	0	39	259	3	9,678	5	-33.0	15.8	2	78	273	11
		12,395	6	-55.1	18.0	6	87	256	17	14,182	7	-68.1		10	77	240	10	16,547	11	-78.8		12	17	297	1	20,598	17	-66.4													

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
NOVEMBER 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
AUSTRALASIA																	
NEW ZEALAND																	
AUCKLAND AERODROME	1	1,019		18.7	4.3					1,526	0	7.7	3.8	3	62	290	12
		12,054	0	-54.9	9.4	1	88	273	42	13,876	0	-57.2	9.5	1	91	257	39
CHRISTCHURCH AERODROME	1	1,009		17.9	8.1					1,461	0	7.2	8.8	2	74	283	11
		11,879	0	-50.5	9.7	2	80	270	33	13,723	0	-53.7	11.9				
INVERCARGILL AERODROME	1	1,012		13.4	5.2					1,441	3	3.8	5.2	4	85	283	24
		11,811	4	-53.4		4	87	271	45	13,670	4	-53.0		4	91	271	41
NORTH PACIFIC																	
TARAWA, GILBERT ISLANDS	1	1,009		30.9	7.2					1,502	0	18.5	9.6	3	70	86	9
		12,421	0	-54.6	11.7	3	29	202	4	14,197	0	-69.9	9.4	4	37	224	5
SOUTH PACIFIC																	
FUNAFUTI, ELLICE IS.	1	1,009		29.8	4.9					1,504	0	18.0	3.2	0	71	50	8
		12,421	1	-55.2		3	64	212	11	14,194	1	-70.0		3	60	208	11
NANDI, FIJI IS.	1	1,010		30.3	9.0					1,520	0	17.1	3.9	0	60	71	5
		12,410	0	-54.9	9.8	1	90	261	35	14,194	0	-67.9		1	95	247	32
RAROTONGA, COOK IS.	1	1,012		26.0	4.6					1,516	0	14.8	3.4				
		12,303	0	-56.4						14,082	1	-67.3					
CHATHAM ISLAND	1	1,008		13.6	3.0					1,458	0	5.2	7.3				
		11,875	0	-54.5						13,721	0	-54.6					
CAMPBELL ISLAND	1	998		8.4	3.0					1,316	0	0.8	2.0				
		11,610	2	-48.1						13,508	2	-48.5					
DECEMBER 1984																	
NORTH AMERICA																	
MEXICO-NORTHERN																	
ISLA GUADALUPE, B.C.	2	1,015		14.7	2.6					1,500	2	7.1	11.0	2	58	251	4
		12,032	8	-55.8		12	76	251	20	13,849	8	-59.9		13	75	257	16
EMPALME	2	1,013		13.2	3.8					1,497	0	11.9	13.9	0	75	216	5
		12,079	1	-56.8		1	94	241	39	13,881	2	-62.5		3	94	244	30
MAZATLAN CARRASCO	2	1,012		19.1	1.5					1,508	1	17.3	10.1	3	27	201	1
		12,242	1	-56.9		2	90	246	24	14,027	1	-64.9		2	93	240	19
CHIHUAHUA UNIV. DE	2	858		6.9	4.0					1,509	3	9.5	7.2	9	77	211	2
		12,125	1	-57.3		6	95	248	32	13,912	3	-63.1		9	94	246	25
GUADALAJARA	2	847		8.0	0.9												
		12,288	2	-57.1		2	79	256	17	14,067	2	-66.2		4	88	244	12
MEXICO-SOUTHERN																	
SOCORRO IS	2	1,008		22.8	3.2					1,502	9	16.2	8.6	9	20	179	1
		12,248	10	-57.7		10	90	279	19	14,018	10	-67.1		10	93	284	17
AUSTRALASIA																	
NEW ZEALAND																	
AUCKLAND AERODROME	1	1,011		21.1	6.9					1,479	1	10.5	5.6	2	53	326	8
		12,048	2	-56.1	9.5	28	86	303	44	13,871	2	-58.1	10.3	5	91	296	36
CHRISTCHURCH AERODROME	1	1,004		19.0	7.0					1,421	0	7.4	6.2	2	64	328	11
		11,793	1	-53.8	10.4	1	80	305	35	13,681	2	-54.1	11.9	6	82	302	28
INVERCARGILL AERODROME	1	1,006		15.1	5.1					1,399	1	5.9	5.9	2	51	326	9
		11,796	1	-51.9		0	72	308	31	13,658	1	-52.6		1	75	304	26
NORTH PACIFIC																	
MIDWAY ISLAND	1	1,015		21.1	7.1					1,500	0	9.6	8.1	1	10	331	1
		12,194	0	-52.1		0	83	282	30	14,022	0	-60.1		0	90	287	26
TARAWA, GILBERT ISLANDS	1	1,007		30.8	6.2					1,480	0	18.5	7.9	5	77	87	10
		12,432	0	-54.1	10.8					14,221	0	-69.8	9.2				
SOUTH PACIFIC																	
FUNAFUTI, ELLICE IS.	1	1,006		29.3	4.2					1,475	0	18.6	3.6	1	41	325	6
		12,430	1	-53.7		2	73	242	17	14,215	1	-68.8		4	64	237	18
NANDI, FIJI IS.	1	1,005		31.2	8.8					1,485	2	18.2	2.8				
		12,409	2	-53.8	10.5					14,201	2	-67.1					
RAROTONGA, COOK IS.	1	1,008		26.4	3.8					1,485	0	16.8					
		12,351	0	-56.0						14,129	0	-67.4					
CHATHAM ISLAND	1	1,006		16.9	2.6					1,466	0	8.4	6.2				
		11,976	0	-57.5						13,799	0	-56.4					
CAMPBELL ISLAND	1	1,003		10.7	3.3					1,374	1	2.1	4.8				
		11,708	3	-50.9						13,585	3	-50.2					

STATION	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
NOVEMBER 1984	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
AUSTRALASIA																								
NEW ZEALAND																								
AUCKLAND AERODROME	3,113	0	1.3	10.7	2	72	292	14	5,743	0	-15.0	11.2	1	73	293	19	9,402	0	-42.1	9.8	1	75	287	27
	16,419	0	-61.5		1	89	266	21	20,757	0	-56.8		2	92	96	13	24,025	8	-53.4					
CHRISTCHURCH AERODROME	3,031	0	-1.8	9.6	2	79	259	20	5,634	0	-17.5	12.0	2	85	266	30	9,253	0	-44.9	10.2	1	80	-274	40
	16,299	0	-56.2						20,733	1	-52.9						24,050	3	-50.5					
INVERCARGILL AERODROME	2,997	3	-4.2	8.1	4	85	275	29	5,576	3	-19.4	10.2	5	88	267	39	9,174	4	-45.3		4	82	266	50
	16,285	4	-53.2		4	88	271	55	20,768	5	-51.2		4	48	158	5	24,113	9	-49.0		8	95	93	17
NORTH PACIFIC																								
TARAWA, GILBERT ISLANDS	3,144	0	10.2	6.2	2	58	94	6	5,864	0	-5.3	13.0	2	46	93	5	9,686	0	-31.4	14.3	3	18	151	2
	16,516	0	-82.9		6	38	34	6	20,554	2	-64.8						23,793	2	-49.9					
SOUTH PACIFIC																								
FUNAFUTI, ELLICE IS.	3,147	0	9.7	6.6	0	63	56	7	5,866	0	-5.4	8.7	2	56	104	6	9,692	1	-31.2	10.5	4	63	165	7
	16,519	4	-82.1		4	48	183	8	20,577	8	-64.2		9	99	89	43	23,792	10	-53.4					
NANDI, FIJI IS.	3,155	0	9.0	8.3	0	63	306	6	5,871	0	-5.7	10.8	0	61	282	9	96,850	0	-32.3	10.4	1	79	258	23
	16,551	0	-79.6		1	56	229	9	20,651	1	-61.9		2	98	93	22	23,869	3	-55.4		5	98	80	26
RAROTONGA, COOK IS.	3,141	0	7.1	8.2					5,836	0	-30.1	4.7					9,607	0	-35.3	11.2				
	16,473	2	-74.8						20,628	5	-62.9						23,826	6	-55.8					
CHATHAM ISLAND	3,025	0	-1.8	11.4					5,622	0	-17.8	11.3					9,238	0	-44.6					
	16,311	0	-55.9						20,751	1	-52.9						24,070	2	-50.4					
CAMPBELL ISLAND	2,848	0	-8.0	8.0					5,387	0	-23.6	7.2					8,950	1	-46.0					
	16,180	3	-49.0						20,748	5	-47.1						24,135	7	-45.4					
DECEMBER 1984																								
NORTH AMERICA																								
MEXICO-NORTHERN																								
ISLA GUADALUPE, B.C.	3,081	3	1.5	17.3	3	73	246	9	5,709	2	-15.1	15.5	4	75	245	14	9,379	4	-41.5	7.3	8	76	253	19
	16,339	10	-66.0		13	73	255	12	20,531	14	-66.2		16	55	257	5	23,668	18	-60.6		19	48	315	4
EMPALME	3,097	0	3.3	13.9	0	88	230	11	5,742	0	-13.6	12.1	0	89	232	20	9,428	0	-40.5	6.1	0	90	236	32
	16,347	4	-67.7		5	94	238	20	20,491	10	-68.5		10	62	323	3	23,621	13	-61.3		13	36	3	2
MAZATLAN CARRASCO	3,138	1	7.3	14.0	1	75	203	6	5,821	0	-9.8	14.7	0	85	221	12	9,560	1	-36.8	9.5	2	93	234	19
	16,460	1	-71.0		2	93	226	13	20,559	5	-66.7		6	23	226	1	23,706	8	-60.8		9	72	269	5
CHIHUAHUA UNIV. DE	3,105	1	4.6	12.4	6	86	234	11	5,765	1	-12.3	11.4	4	89	239	16	9,468	1	-39.6	6.6	4	93	241	26
	16,371	4	-68.2		10	93	240	17	20,500	10	-68.0		13	88	267	6	23,633	14	-61.6		16	58	304	3
GUADALAJARA	3,146	0	7.4	7.6	0	44	167	3	5,841	1	-8.3	14.0	1	65	205	5	9,600	1	-35.8	9.0	1	71	241	10
	16,485	2	-73.0		4	89	212	9	20,559	8	-67.1		9	36	84	1	23,698	12	-60.9		12	83	264	3
MEXICO-SOUTHERN																								
SOCORRO IS	3,127	9	7.5	13.3	9	55	196	4	5,817	9	-9.3	13.7	9	76	247	8	9,567	10	-36.5	8.2	10	93	273	16
	16,423	10	-73.0		10	89	266	13	20,536	13	-64.5		13	14	119	1	23,691	14	-59.9		14	23	257	1
AUSTRALASIA																								
NEW ZEALAND																								
AUCKLAND AERODROME	3,073	0	2.3	5.0	2	72	317	13	5,718	0	-13.5	12.2	2	76	310	21	9,395	1	-41.0	10.1	3	80	304	36
	16,397	2	-62.2		5	88	304	21	20,706	9	-58.2						23,975	12	-51.7					
CHRISTCHURCH AERODROME	2,994	0	-0.7	8.5	1	74	305	18	5,599	0	-17.4	8.7	1	78	301	25	9,221	0	-44.5	9.3	0	76	316	37
	16,257	2	-56.9						20,654	2	-54.9						23,946	3	-50.4					
INVERCARGILL AERODROME	2,964	1	-2.8	5.9	0	61	312	16	5,554	1	-19.1	8.5	1	53	318	17	9,153	1	-46.1		0	63	316	31
	16,267	2	-54.6		0	74	302	17	20,723	4	-53.0		3	51	72	7	24,046	5	-48.4		3	96	82	18
NORTH PACIFIC																								
MIDWAY ISLAND	3,101	0	4.5	14.5	0	52	278	6	5,763	0	-11.6	13.9	0	71	273	15	9,486	0	-36.8	11.0	0	72	277	25
	16,484	0	-70.3		0	89	284	16	20,616	1	-65.2		1	43	99	3	23,782	4	-58.2		5	85	96	9
TARAWA, GILBERT ISLANDS	3,124	0	10.5	10.3	8	42	92	4	5,850	0	-4.6	11.1	5	8	222	1	9,687	0	-30.3	13.6	3	74	262	15
	16,548	0	-84.6						20,525	0	-65.2						23,759	2	-52.3					
SOUTH PACIFIC																								
FUNAFUTI, ELLICE IS.	3,120	0	10.2	5.7	0	19	318	2	5,846	0	-5.1	7.7	0	30	199	4	9,682	0	-30.4	9.7	1	73	239	12
	16,559	2	-82.9		5	44	206	8	20,569	7	-64.3		10	99	89	47	23,797	9	-53.6					
NANDI, FIJI IS.	3,127	2	10.6	12.1					5,856	2	-5.1	11.6					9,676	2	-32.0	11.0				
	16,567	2	-80.2						20,635	4	-62.8						23,849	7	-55.0					
RAROTONGA, COOK IS.	3,122	0	8.9	6.5					5,836	0	-6.5	9.3					9,638	0	-32.9	9.7				
	16,514	1	-75.8						20,637	3	-62.3						23,842	7	-54.7					
CHATHAM ISLAND	3,049	0	0.4	11.4					5,678	0	-15.0	13.2					9,341	0	-42.0					
	16,359	1	-58.8						20,705	4	-55.5						24,017	8	-49.9					
CAMPBELL ISLAND	2,920	1-	47.0	10.9					5,494	1	-21.0	10.6					9,080	2	-46.0					
	16,228	3	-51.1						20,746	4	-49.4						24,117	6	-45.7					

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National Climatic Data Center
July 1984

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