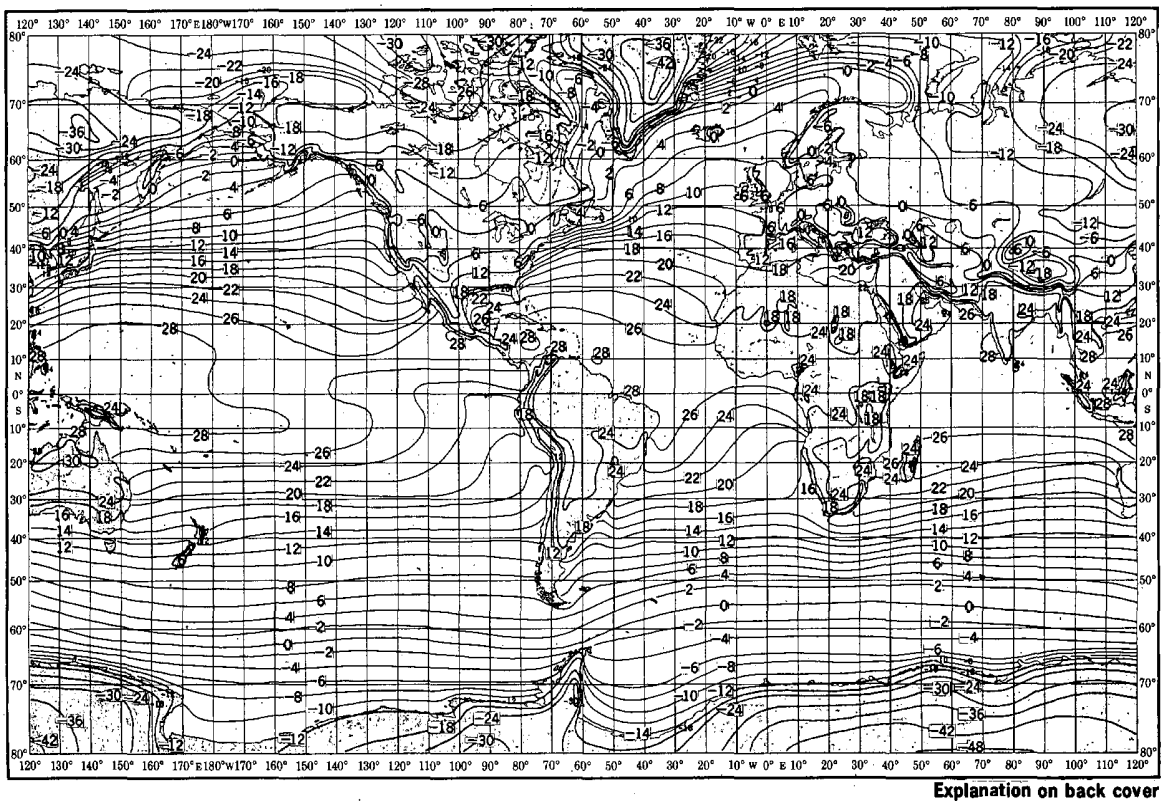
NOVEMBER 1984 VOLUME 37 NUMBER 11

MONTHLY CLIMATIC DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE WORLD METEOROLOGICAL ORGANIZATION

NOVEMBER

LONG TERM MEAN SURFACE AIR TEMPERATURE (°C)



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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

NOVEMBER 1984

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° '	° '	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
NORTH AMERICA															
ALASKA															
BARROW	71 18 N	156 47 W	4	30	1017.6	1018.1	-22.3	- 4.0	0.9		1	3	- 5	3	
BARTER ISLAND	70 08 N	143 38 W	15	30	1013.5	1015.6	-25.2	- 7.3	6.0		1	7	- 3	2	
KOTZEBUE	66 52 N	162 38 W	5	30	1005.4	1006.0	-13.3	0.0	1.6		5	13	+ 1	4	
NOME	64 30 N	165 26 W	7	30	999.3	1000.3	- 8.9	- 0.1	2.8		4	10	- 14	2	104
FAIRBANKS	64 49 N	147 52 W	138	30	988.3	1006.4	-17.7	- 2.1	1.4		5	11	+ -6	2	
MCGRATH	62 58 N	155 37 W	103	30	991.2	1004.5	-16.8	- 2.1	1.4		3	8	+-21	1	
BETHEL	60 47 N	161 48 W	46	30	996.2	997.5	- 8.7	- 0.6	2.7		4	17	+ -8	3	
ANCHORAGE	61 10 N	150 01 W	40	30	994.9	999.9	- 6.8	- 1.1	3.4		2	4	+-24	1	92
ST. PAUL	57 09 N	170 13 W	9	30	991.5	992.5	1.4	+ 0.7	6.0		18	96	+ 33	5	
COLD BAY	55 12 N	162 43 W	31	30	990.2	994.1	2.8	+ 1.5	6.8		24	193	+ 91	5	
KING SALMON	58 41 N	156 39 W	15	30	994.6	996.5	- 5.3	- 0.3	3.9		5	25	+-10	2	
YAKUTAT	59 31 N	139 40 W	9	30	999.0	1000.2	- 0.2	- 0.5	5.1		2	305	+-89	2	
ANNETTE ISLAND	55 02 N	131 34 W	34	30	1001.0	1005.1	3.2	- 1.1	6.6		21	212	-125	2	
CANADA-WESTERN															
MOULD BAY	76 14 N	119 20 W	15	30	1014.8	1016.5	-26.8	- 0.2	0.6	0.0	1	3	0	4	
SACHS HARBOUR	71 59 N	125 17 W	86	30	1003.6	1015.6	-23.7	- 2.0	0.9	0.0	1	3	- 3		
CAMBRIDGE BAY	69 06 N	105 07 W	27	30	1009.7	1013.4	-22.1	+ 2.1	1.0	+0.1	6	18	+ 9	5	
COPPERMINE	67 50 N	115 07 W	9	30	1012.7	1015.7	-21.9	- 2.4	1.0	-0.2	8	22	+ 7	5	217
INUVIK	68 18 N	133 29 W	68	30	1006.4	1015.7	-26.8	- 6.2	0.7	-0.6	1	4	- 11		74
CONTWOYTO LAKE	65 29 N	110 22 W	451			U									
NORMAN WELLS	65 17 N	126 48 W	73	30	1005.5	1015.4	-24.6	- 6.5	0.8	-0.6	4	11	- 11	1	123
WHITEHORSE	60 43 N	135 04 W	703	30	920.0	1006.2	-10.5	- 1.5	2.6	-0.4	4	11	- 11	4	60
CREE LAKE	57 21 N	107 08 W	499			U									
FORT NELSON	58 50 N	122 35 W	382	30	965.1	1013.9	-17.8	- 5.5	1.4	-0.8	7	12	- 15	1	
FORT SMITH	60 01 N	111 58 W	203	30	988.8	1015.3	-16.1	- 4.3	1.8	-0.8	5	17	- 11	2	
PRINCE GEORGE	53 53 N	122 40 W	691	30	927.0	1010.8	- 4.5	- 1.7	4.3	-0.3	12	48	- 7	2	60
EDMONTON	53 34 N	113 31 W	671	30	931.4	1013.5	- 8.5	- 4.3	2.7	-1.0	7	17	- 2	3	96
EDMONTON STONY PLAIN	53 33 N	114 06 W	766			U									
THE PAS	53 58 N	101 06 W	271	30	981.7	1016.3	-10.3	- 2.8	2.5	-0.8	7	36	+ 7	4	105
WINNIPEG INT. AP	49 54 N	97 14 W	239	30	985.2	1015.1	- 4.9	- 0.5	4.0	0.0	5	27	0	4	137
REGINA	50 26 N	104 40 W	577	30	944.1	1015.2	- 6.5	- 1.3	3.4	-0.3	3	9	- 9	2	98
VERNON	50 14 N	119 17 W	555			U									
LETHBRIDGE	49 38 N	112 48 W	929	30	902.6	1013.0	- 1.8	- 1.1	4.0	-0.2	3	6	- 17	1	95
SANDSPIT	53 15 N	131 49 W	6	30	1003.5	1004.3	4.9	- 0.5	7.2	-1.0	18	230	+ 45	5	141
PORT HARDY	50 41 N	127 22 W	22	30	1004.9	1007.5	4.2	- 1.1	7.4	-0.7	23	218	- 16	3	
VANCOUVER INT. AP	49 11 N	123 10 W	2	30	1010.1	1010.4	6.0	- 0.1	8.2	-0.3	21	237	+ 96	5	66
CANADA-EASTERN															
ALERT	82 30 N	62 20 W	63	30	1007.2	1016.4	-27.1	- 1.0	0.6	-0.1	1	5	- 3	2	
EUREKA	80 00 N	85 56 W	10	30	1014.4	1015.9	-34.9	- 4.2	0.3	-0.1	1	2	- 1	4	
RESOLUTE	74 43 N	94 59 W	67	30	1003.0	1012.2	-23.0	+ 0.7	0.8	0.0	1	4	- 2	2	
CLYDE	70 27 N	68 33 W	6	30	1007.8	1011.2	-16.4	+ 0.5	1.6	+0.1	6	18	0		
HALL BEACH	68 47 N	81 15 W	8	30	1011.0	1012.0	-19.6	+ 1.3	1.5	+0.3	5	23	+ 7		
BAKER LAKE	64 18 N	96 00 W	13	30	1015.0	1017.4	-20.2	0.0	1.1	-0.2	4	13	- 3	4	
CORAL HARBOUR	64 12 N	83 22 W	64	30	1007.0	1015.7	-18.9	- 1.8	1.3	-0.3	1	16	- 2	3	
FROBISHER BAY	63 45 N	68 33 W	34	30	1006.1	1010.6	-13.8	- 1.4	1.9	-0.3	5	22	- 15	2	105
CHURCHILL	58 45 N	94 04 W	29	30	1013.0	1016.8	-12.6	- 0.7	2.2	-0.3	11	50	+ 10		136
INUCDJOUAC	58 27 N	78 07 W	5	30	1011.0	1011.4	- 8.0	- 0.9	3.2	-0.2	13	48	+ 17		152
FORT CHIMO	58 06 N	68 25 W	37	30	1005.3	1010.1	- 7.5	+ 0.4	3.6	+0.4	7	65	+ 25		
TROUT LAKE	53 50 N	89 52 W	220	30	986.8	1015.4	- 8.7	+ 0.3	3.1	0.0	13	95	+ 49	6	
NITCHEQUON	53 12 N	70 54 W	536	30	947.3	1013.7	- 7.1	+ 0.8	3.6	+0.3	15	46	- 15	2	
MOOSONEE	51 16 N	80 39 W	10	30	1012.3	1013.6	- 3.6	+ 0.7	4.6	+0.3	11	43	- 30	1	58
KAPUSKASING	49 25 N	82 28 W	227	30	987.2	1015.4	- 3.2	+ 1.0	4.2	-0.1	14	47	- 40	1	
GERALDTON	49 42 N	86 57 W	331			U									
SEPT-ILES	50 13 N	66 16 W	55	30		1013.7	- 2.0	+ 0.2	4.4	-0.2	11	109	- 1	3	98
GOOSE	53 19 N	60 25 W	49	30	1003.0	1009.2	- 3.8	- 0.2	3.8	-0.4	14	117	+ 47	5	108
NORTH BAY	46 22 N	79 25 W	371	30	971.3	1016.8	- 0.7	+ 0.1	5.1	-0.2	11	121	+ 28	5	88
MANIWAKI	46 23 N	75 58 W	170	30	995.3	1016.4	0.2	+ 0.1	5.4	-0.1	11	80	+ 2		114
TORONTO/MALTON INT AP	43 41 N	79 38 W	173	30	996.8	1018.2	2.7	- 0.7	6.4	-0.3	7	70	+ 9	4	
MONTREAL/DORVAL INT AP	45 28 N	73 45 W	36	30	1012.4	1016.8	2.2	- 0.1	6.2	+0.2	10	88	+ 1	3	
BAGOTVILLE	48 20 N	71 00 W	159	30	995.5	1015.4	- 1.7	- 0.1	4.7	-0.2	14	118	+ 39	6	
CHATHAM	47 01 N	65 27 W	34	30	1009.7	1013.9	1.9	+ 0.6	5.7	-0.2	10	47	- 65	1	131
STEPHENVILLE	48 32 N	58 33 W	26	30	1007.6	1010.8	2.5	- 0.6	6.1	-0.4	16	147	+ 32		
GANDER INT AP	48 57 N	59 34 W	151	30	991.0	1009.7	1.0	- 0.9	5.8	-0.7	14	74	- 33	1	153
SHEARWATER	44 38 N	63 30 W	51	30	1009.1	1015.4	4.6	- 0.3	7.3	-0.4	8	38	-114	0	135
SYDNEY	46 10 N	60 03 W	62	30	1005.6	1013.2	3.5	- 0.7	6.3	-1.2	14	110	- 51	2	127
SHELBURNE	43 43 N	65 15 W	30			U									
SABLE ISLAND	43 56 N	60 01 W	4	30	1014.3	1014.8	6.6	- 1.0	8.4	-0.6	14	111	- 16	3	124
ARGENTIA VTMS NFLD	47 18 N	54 00 W	15	30	1009.9	1011.8	3.7	- 1.4	6.0	-1.6	9	74	- 31		
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	30	1011.5	1012.1	4.4	- 0.4	7.0	-0.3	12	64	- 73	1	100
UNITED STATES-NORTHWEST															
QUILLAYUTE	47 57 N	124 33 W	62	30	1002.0	1009.5	6.4	- 0.2	8.9		23	372	+ 18	4	93
PORTLAND	45 36 N	122 36 W	12	30	1007.6	1013.1	8.2	+ 0.7	8.7		22	247	+116	5	55
OLYMPIA	46 58 N	122 54 W	61	30	1003.9	1011.2	6.3	+ 0.4	8.6		24	310	+117	5	
MEDFORD	42 22 N	122 52 W	405	30	967.7	1015.9	6.9	+ 0.5	8.2		17	167	+ 93	5	
SPOKANE	47 38 N	117 32 W	721	30	944.0	1014.0	2.1	+ 0.5	6.3		14	108	+ 56	5	69
GREAT FALLS	47 29 N	111 22 W	1115	30	883.8	1013.6	1.9	+ 0.8	4.0		3	12	- 6	3	115

SURFACE DATA

NOVEMBER 1984

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
NORTH AMERICA															
UNITED STATES-NORTHWEST															
SHERIDAN	44 46 N	106 58 W	1209	30	875.0	1015.1	0.6	+ 0.3				14	- 6		111
BISMARCK	46 46 N	100 45 W	506	30	952.7	1014.8	- 0.9	+ 1.0			2	19	+ 6	4	111
RAPID CITY	44 03 N	103 04 W	966	30	898.2	1013.9	3.1	+ 1.5	3.7		2	13	0	3	104
BOISE	43 34 N	116 13 W	871	30	919.7	1017.2	3.9	- 0.4	5.4		12	60	+ 27	2	52
WINNEMUCCA	40 54 N	117 48 W	1322	30	866.8	1016.8	3.5	+ 0.3	4.5		10	40	+ 21	5	65
ELY	39 17 N	114 51 W	1909	30	808.2	1017.7	1.2	+ 0.1	4.1		4	25	+ 10	4	75
SALT LAKE CITY	40 46 N	111 58 W	1288	30	867.5	1017.2	5.9	+ 1.6	5.7		8	37	+ 6	4	74
GRAND JUNCTION	39 07 N	108 32 W	1475	30	860.6	1018.4	4.9	+ 0.7	4.4		3	10	- 6	2	108
DENVER	39 45 N	104 52 W	1625	30	835.4	1014.3	4.3	+ 0.6	3.7			7	- 14	1	97
NORTH PLATTE	41 08 N	100 41 W	849	30	915.2	1016.1	2.9	+ 1.2	4.6		3	18	+ 3	4	87
UNITED STATES-NORTHEAST															
INTERNATIONAL FALLS	48 34 N	93 23 W	361	30	973.0	1015.6	- 3.6	+ 0.3				23	- 9		
DULUTH	46 50 N	92 11 W	432	30	973.6	1016.2	- 2.0	+ 0.1	4.1		7	21	- 22	2	123
ST. CLOUD	45 35 N	94 11 W	318	30	977.8	1017.0	- 0.7	+ 0.5				4	- 28		
SAULT STE. MARIE	46 28 N	84 22 W	221	30	993.5	1016.7	- 0.2	- 0.6	5.2		14	96	+ 15	4	127
BURLINGTON	44 28 N	73 09 W	104	30	1003.0	1018.4	3.6	+ 1.0	5.3		9	78	+ 7	4	90
CARIBOU	46 52 N	68 01 W	146	30	991.2	1015.0	0.8	+ 1.3	5.5		9	51	- 31	1	
DES MOINES	41 32 N	93 39 W	294	30	985.5	1017.1	4.2	+ 0.5	5.7		5	29	- 9	3	113
COLUMBIA	38 49 N	92 13 W	274	30	990.0	1018.8	6.3	- 0.1	6.8		6	99	+ 47	5	111
CHICAGO O'HARE	41 59 N	87 54 W	205	30	993.6	1018.7	3.3	- 1.0			5	67	+ 15	4	
ST. LOUIS	38 45 N	90 23 W	172	30	998.6	1019.5	6.8	- 0.2	7.4		9	140	+ 75	5	104
DAYTON	39 54 N	84 13 W	306	30	987.5	1020.9	4.2	- 1.4	5.9		9	86	+ 19	4	127
COLUMBUS	40 00 N	82 53 W	254	30	990.9	1021.6	4.8	- 0.8	5.7		10	112	+ 45	5	107
BUFFALO	42 56 N	78 44 W	215	30	990.3	1018.9	3.9	- 0.7	6.1		12	68	- 24	2	110
NEW YORK LA GUARDIA	40 46 N	73 54 W	9	30	1008.1	1019.8	8.0	- 0.4	7.2		6	80	- 16	3	
BOSTON	42 22 N	71 02 W	9	30	1013.3	1017.8	7.0	- 0.3	6.5		5	43	- 64	1	106
BLUE HILL OBS	42 13 N	71 07 W	195	30			5.6	+ 0.2	6.7		5	40	- 78	1	117
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	30	1017.2	1021.3	7.8	- 1.5	6.7		6	93	+ 21	4	104
UNITED STATES-SOUTHWEST															
SACRAMENTO	38 31 N	121 30 W	8	30	1015.8	1018.1	12.0	+ 0.3				92	+ 35		89
SAN FRANCISCO	37 37 N	122 23 W	5	30	1017.6	1018.3	12.1	- 0.4	11.3		16	155	+ 96	5	
OAKLAND	37 44 N	122 12 W	3			U									
SANTA MARIA	34 54 N	120 27 W	73	30	1009.8	1018.6	12.5	- 0.6	9.8		9	52	+ 17	4	
SAN DIEGO	32 44 N	117 10 W	9	30	1016.9	1017.9	16.3	- 0.3	14.3		8	60	+ 32	5	89
LAS VEGAS	36 05 N	115 10 W	664	30	951.1	1017.7	11.5	- 0.5	5.2		3	24	+ 13	5	95
PHOENIX	33 26 N	112 01 W	337	30	977.0	1016.4	16.6	+ 0.7			3	18	+ 4	4	98
EL PASO	31 48 N	106 24 W	1194	30	888.2	1016.8	10.9	+ 0.1	5.7		4	13	+ 5	4	91
ALBUQUERQUE	35 03 N	106 37 W	1620	30	849.5	1017.7	6.5	- 0.2	4.9		4	16	+ 6	5	92
WICHITA	37 39 N	97 25 W	408	30	968.9	1018.1	7.5	+ 0.7	7.2		2	37	- 1	4	105
OKLAHOMA CITY/W ROGERS WORLD	35 24 N	97 36 W	397	30	974.8	1018.5	9.8	+ 0.5	7.8		4	52	+ 13	4	132
NORMAN	35 14 N	97 28 W	362			U									
ABILENE	32 26 N	99 41 W	534	30	957.1	1018.8	11.5	- 0.4	7.6		4	54	+ 20	4	79
SAN ANTONIO	29 32 N	98 28 W	242	30	994.8	1019.5	14.9	- 0.4	12.4		4	74	+ 14	4	86
VICTORIA	28 51 N	96 55 W	36			U									
BROWNSVILLE	25 54 N	97 26 W	6	30	1016.2	1018.3	20.4	+ 0.6	17.9		0	1	- 36	1	55
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	30			9.7	- 1.1	9.8		8	202	+ 98	5	123
LONGVIEW	32 21 N	94 39 W	124			U									
NASHVILLE	36 07 N	86 41 W	184	30	1002.2	1022.2	7.8	- 1.4	7.3		7	157	+ 68	5	96
ASHEVILLE	35 26 N	82 32 W	661	30	941.6	1021.9	6.2	- 1.8	6.6		5	66	- 17	2	109
ATLANTA	33 39 N	84 26 W	315	30	978.7	1021.2	10.3	- 0.8	7.7		6	53	- 34	2	105
WAYCROSS	31 15 N	82 24 W	46			U									
CAPE HATTERAS	35 16 N	75 33 W	3	30	1020.3	1020.6	13.0	- 0.3	12.2		7	126	+ 3	4	95
CHARLESTON	32 54 N	80 02 W	15	30	1019.6	1021.6	12.3	- 1.4	10.4		6	35	- 20	2	92
NEW ORLEANS	29 59 N	90 15 W	9	30	1019.2	1020.9	14.9	- 0.7	11.6		5	71	- 32	3	
BOOTHVILLE	29 20 N	89 24 W	0			U									
JACKSONVILLE	30 30 N	81 42 W	9	30	1019.2	1020.6	14.6	- 1.4	13.0		6	84	+ 35	5	53
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	30	1016.4	1017.4	21.9	- 0.8	18.8		8	103	+ 34	4	
MEXICO-NORTHERN															
ISLA GUADALUPE, B.C.	29 10 N	118 19 W	6			U									
EMPALME	27 57 N	110 48 W	12		1014.1	1015.7	19.5		12.2		2	2			
LA PAZ	24 10 N	110 21 W	18		1014.2	1017.2	21.9		17.6		0	0			
MAZATLAN CARRASCO	23 11 N	105 25 W	3		1012.5		23.0		22.1		3	38		4	
MONTERREY	25 40 N	100 18 W	534		959.6	1018.4	18.1		13.0		2	19		3	125
MONTERREY AEROP. INTL	25 52 N	100 14 W	423			U									
TORREON	25 32 N	103 27 W	1150		890.4	1013.2	19.3		9.9		0	0			
ZACATECAS	22 47 N	102 35 W	2612		748.9	1013.4	12.5		6.3		0	0		3	
GUANAJUATO	21 01 N	101 15 W	2037		804.7	1011.3	16.0		12.0		0	0		1	110
GUADALAJARA	20 41 N	103 20 W	1551		847.6		17.8		12.9		0	0		1	110
MEXICO-SOUTHERN															
MANZANILLO	19 03 N	104 20 W	6		1012.2	1012.6	26.8		25.4		0	0		3	

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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		%
NORTH AMERICA															
MEXICO-SOUTHERN															
SALINA CRUZ	16 10 N	95 12 W	4		1013.2	1013.9	27.2		20.2						
TAPACHULA	14 55 N	92 16 W	168		995.9	1008.8	25.6		25.2		4	33		2	130
VERACRUZ, YLANG YLANG	19 09 N	96 07 W	13		1006.1	1014.2	23.4		21.7		5	47		3	130
COATZACOALCOS	18 09 N	94 25 W	14		1006.3	1009.3	25.6				7	123			
MERIDA AEROP. INTL.	20 57 N	89 40 W	11		1014.2	1015.2	23.7		21.8		4	55		4	115
SOCORRO IS	18 14 N	111 03 W	35			U									
MORELIA	19 42 N	101 11 W	1923		812.9	1013.4	15.2		10.2		2	6		2	140
MEXICO CITY INT.AP, D.F.	19 26 N	99 04 W	2234			U									
MEXICO (CENTRAL) D.F.	19 26 N	99 08 W			775.5	1011.7	14.2		8.8		0	0			
OAXACA	17 04 N	96 43 W	1563		847.6	1012.9	16.8		11.5		0	0			150
LAS CASAS	16 44 N	92 38 W	2128		793.8	1012.0	11.3		11.7		1	4		1	125
GUATEMALA															
LABOR OVALLE	14 51 N	91 30 W	2376	30	772.2	1016.3	12.5	- 0.2	11.2	+0.1	0	1	- 21	1	116
GUATEMALA/LA AURORA AP	14 35 N	90 31 W	1489	30	854.6	1015.5	16.8	- 0.3	15.2	-0.3	1	2	- 22	2	117
LA FRAGUA	14 58 N	89 32 W	425	30	988.2	1011.9	25.0	- 0.7	22.4	-1.3	0	1	- 11		110
HUENUETENANGO	15 19 N	91 28 W	1901	30	820.5	1016.7	15.9	+ 0.4	12.7	-0.9	1	6	- 28		120
COBAN	15 29 N	90 19 W	1316	30	871.8	1016.3	15.7	- 0.7	15.7	-1.0	15	148	- 38		107
EL PORVENIR	16 31 N	90 29 W	125	30	1004.2	1018.6	24.3	+ 0.9	25.9	-0.1	9	101	- 40		
BELIZE															
BELIZE INTL. AIRPORT	17 32 N	88 18 W	5	30	1014.8	1015.3	24.3		25.2		8	96	-107		68
COSTA RICA															
JUAN SANTAMARIA	09 59 N	84 13 W	939	30	910.3	1012.3	21.2	- 0.3	20.0	-0.3	12	89	- 63	2	
PUERTO LIMON	10 00 N	83 03 W	5	30	1011.5	1011.5	24.2	- 0.9	25.9	-2.0	13	281	-118	2	110
PUNTARENAS	09 58 N	84 50 W	3	30	1010.6	1010.6	25.7	- 0.9	27.2	-2.1	6	43	- 76	1	105
ADJACENT ISLANDS															
NASSAU INTL.AP BAHAMAS	25 03 N	77 28 W	7	30	1015.6	1016.4	23.2	- 0.4	22.5	+0.2	5	27	- 42	1	101
CASA BLANCA, HABANA, CUBA	23 09 N	82 21 W	50		1009.9	1015.8	23.6		22.5		6	131		5	
GRAND CAYMAN, B.W.I.	19 15 N	81 25 W	6			U									
KINGSTON/NORMAN MANLEY, JAM.	17 56 N	76 47 W	14		1011.2	1012.8	26.5		24.0		1	12		1	
SAN JUAN/INT., P.R.	18 26 N	66 00 W	19	30	1009.8	1012.6	25.9	- 0.5	19.9		17	144	+ 2	3	102
JULIANA AP, ST. MAARTEN	18 03 N	63 07 W	12			U									
RAIZET, GUADELOUPE	16 16 N	61 31 W	8	30	1011.5	1012.5	25.6	+ 0.4	27.6	+0.6	21	443	+242	5	67
LAMENTIN/MARTINIQUE	14 36 N	61 00 W	144	30	1011.3	1012.1	25.9	+ 0.2	28.2	+0.6	21	524	+322	6	77
GRANTLEY ADAMS AP,BARBADOS	13 04 N	59 29 W	56	30	1006.3	1012.2	26.2	- 0.2	28.5	+1.8	16	302	+193		91
PIARCO INT. AP, TRINIDAD	10 37 N	61 21 W	15		1009.9	1011.5	25.6	0.0	28.5	+0.6	22	297	+ 90	5	70
DR.A. PLESMAN AP,CURACAO	12 12 N	68 58 W	17	30	1009.7	1010.6	27.3	- 0.4	29.7	+0.8	13	216	+120	5	79
SAN ANDRES,COLOMBIA	12 35 N	81 42 W	4	30	1011.3	1011.6	25.6		27.9		19	808			184
DOMINICAN REPUBLIC															
SANTO DOMINGO	18 28 N	69 53 W	14		1010.7	1013.2	25.6		24.7		5	30		1	
SOUTH AMERICA															
VENEZUELA															
MARACAIBO-LA CHINITA	10 34 N	71 44 W	65	30	1009.2	1010.0	26.8	- 1.1	27.9		3	38	- 19		89
LA CANADA(MARACAIBO)	10 31 N	71 39 W	26			U									
MARACAY-B.A. SUCRE	10 15 N	67 39 W	443	30	963.2	1011.9	24.7	+ 0.3	24.4		9	73	+ 27		80
CARACAS/LA CARLOTA	10 30 N	66 53 W	835	30	918.7	1510 Y	22.1	+ 0.4	22.0		16	77	+ 4		75
BARCELONA	10 07 N	64 41 W	7	30	1011.2	1012.0	25.4	- 1.1	25.2		10	121	+ 78		73
CIUDAD BOLIVAR	08 09 N	63 33 W	55	30	1003.5	1008.8	26.3	- 2.5	27.8		11	201	+139		77
SAN ANTONIO DEL TACHIRA	07 51 N	72 27 W	405	30	968.1	1010.2	25.2	- 0.1	26.3		11	66	- 46		96
MERIDA	08 36 N	71 11 W	1498	30	952.0	1517 Y	18.3	- 0.2	16.9		17	128	- 71		85
SAN FERNANDO DE APURE	07 54 N	67 25 W	74	30	1005.0	1010.0	26.6	- 0.4	31.6		9	20	- 26		85
PUERTO AYACUCHO	05 36 N	67 30 W	101	30	1003.2	1011.8	27.2	+ 0.3	25.2		6	134	+ 8		87
FRENCH GUIANA															
CAYENNE/ROCHAMBEAU	04 50 N	52 22 W	9	30	1010.4	1011.5	25.8	- 0.1	28.4	+0.5	20	202	+ 48	4	80
COLOMBIA															
SANTA MARTA/SIMON BOLIVAR	11 07 N	74 14 W	4	30			26.9		27.4		7	25			234
CARTAGENA/CRESPO	10 27 N	75 31 W	2	30	1009.8	1010.0	27.3		29.6		6	100			195
BARRANQUILLA	10 53 N	74 46 W	14	30	1008.4	1010.0	26.7		29.3		6	44			205
QUIBDO	05 42 N	76 38 W	73	30			25.5		28.0		24	904			127
TUMACO/EL MIRA	01 38 N	78 46 W	16	30	1012.0	1012.0	24.9		28.2		11	138			31
CUCUTA/CAMILO DAZA	07 55 N	72 33 W	309	30	975.7		26.2		26.9		14	193			193
BARRANCABERMEJA/YARIGUIES	07 01 N	73 46 W	126	30			25.9		28.6		17	398			154
BUCARAMANGA/PALONEGRO	07 08 N	73 11 W	1190	30			19.9		21.0		14	186			116
PEREIRA	04 48 N	75 45 W	1349	30	866.0		19.9		19.2		18	296			145
MEDELLIN/OLAYA HERRERA	06 13 N	75 36 W	1498	30	850.6		21.1		17.4		13	158			128
BOGOTA/EL DORADO	04 42 N	74 08 W	2547	30	752.8		13.0		12.5		17	86			129
IPIALES/SAN LUIS	00 50 N	77 40 W	2962	30			10.6		8.6		7	169			105
CALI/PALMASECA	03 24 N	76 24 W	969	30	906.5		21.9		20.6		11	107			158
GIRARDOT/SANTIAGO VILA	04 17 N	74 48 W	286	30			27.2		25.8		11	217			174
VILLAVICENCIO/VANGUARDIA	04 09 N	73 34 W	431	30			24.8		25.3		21	308			124
NEIVA/LA MANGUITA	02 58 N	75 18 W	439	30	955.3	1004.4	26.1		25.7		12	204			149
LETICIA/VASQUEZ COBO	04 10 S	69 75 W	84	30			26.5		29.6		13	135			174

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	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SOUTH AMERICA															
ECUADOR															
SAN CRISTOBAL/GALAPAGOS	00 54 S	89 36 W	6		1012.5		23.0	- 1.0	22.9	+2.1	5	1	- 6	1	125
QUITO-BODEGA	00 10 S	78 29 W	2800				14.2	- 0.6	12.3	0.0	13	96	+ 9		95
IZOBAMBA-SANTA CATALINA	00 22 S	78 33 W	3058		706.8		11.6	- 0.9	9.9	-0.8	15	200	+ 57	4	105
NUEVO ROCAFUERTE	00 55 S	75 24 W	215				25.8	- 0.1	28.9	-1.4	19	369	+154		85
PORT VIEJO-GRANJA	01 02 S	80 26 W	44		1006.4		24.4	- 0.2	22.1	+0.1	1	8	0	3	75
PICHILINGUE	01 06 S	79 28 W	73		1003.1		24.4	- 0.6	22.9	-0.2	8	19	- 34	3	100
EL PUYO	01 30 S	77 57 W	950				21.2	- 0.2	22.8	+0.9		285	- 77	1	95
MILAGRO	02 07 S	79 36 W	13				24.8	- 1.0	23.0	-0.2	1	1	- 16	3	110
GUAYAQUIL/SIMON BOLIVAR	02 09 S	79 53 W	4		1014.3				23.0	+0.9	1	1	- 10	3	
CANAR	02 33 S	78 56 W	3120				11.2	- 1.7	9.4	-0.6	12	56	+ 15	4	85
LOJA/LA ARGELIA	04 02 S	79 12 W	2040				16.3	- 0.9	11.8	0.0	18	24	+ 21	4	100
PERU															
TUMBES	03 33 S	80 24 W	27		1007.5	1009.7	25.6		25.3		0	0		1	
TALARA	04 34 S	81 15 W	90		1003.4	1013.6	20.4		15.5		0	0		5	
CHIMBOTE	09 10 S	78 31 W	09		1012.5	1013.7	19.7		15.8		0	T		3	
LIMA-CALLAO/INTL AP/	12 00 S	77 07 W	11		1012.7	1014.3	19.5		18.4		0	T		4	
PISCO	13 45 S	76 17 W	7		1011.9	1012.6	19.3		18.4		0	0		5	
SAN JUAN	15 23 S	75 10 W	31		1007.2	1014.2	20.2		18.4		1	4		4	
PIURA	05 11 S	80 36 W	55		1009.2	1015.4	22.2		18.4		0	0		4	
YURIMAGUAS	05 54 S	76 05 W	184		991.8	1013.0	27.6		28.0		12	217		4	
CHACHAPOYAS	06 13 S	77 50 W	2435		761.9		15.9		8.7		8	73		2	
CAJAMARCA	07 08 S	78 28 W	2621		739.9		15.1		9.8		8	574		4	
HUANUCO	09 54 S	75 25 W	1858		815.6		21.3		15.9			6		1	
HUMANGA/AYACUCHO/	13 09 S	74 13 W	2761		731.5		18.3		11.1		14	85		2	
CUZCO	13 33 S	71 59 W	3312		687.5		12.0		8.2		17	94		4	
AREQUIPA	16 19 S	71 33 W	2525		752.3		13.8		7.4		1	6		5	
JULIACA	14 30 S	70 09 W	3823		642.1		11.1		9.2		16	117		3	
TACNA	18 04 S	70 18 W	458		962.9	1016.0	18.4		17.3		0	0		5	
MOYOBAMBA	06 02 S	76 58 W	832		916.1		25.1		24.9		0	0		1	
TARAPOTO	06 27 S	76 23 W	313		979.7	1011.2	28.9		26.2		8	66		1	
JUANJUI	07 13 S	76 43 W	350		997.3	1016.3	28.0		27.9		6	80		1	
TINGO MARIA	09 08 S	77 53 W	670		938.8	1010.2	24.9				20	466		4	
PUCALLPA	08 25 S	74 36 W	150		993.2	1009.0	25.2		26.4		18	390		5	
QUINCEMIL	13 16 S	70 40 W	619		940.0		22.4		23.1		14	353		1	
IQUITOS	03 45 S	73 15 W	126		997.7	1011.6	25.9		26.3		14	193		2	
BOLIVIA															
COBIJA	11 04 S	68 44 W	260	20		1007.4	26.4	+ 0.4			2	167	- 51		
RIBERALTA	11 00 S	66 05 W	172	18		1010.3	28.9	+ 0.9			7	125	- 54		
REYES	14 18 S	67 22 W	200	18		1009.0	27.6	- 0.2			3	31	-175		
RURRENABAQUE	14 28 S	67 35 W	200	30		1003.6	27.3	- 0.7			18	488	+293		
TRINIDAD	14 45 S	64 48 W	236	29		1010.1	27.3	- 0.7			16	168	- 22		
CONCEPCION	16 15 S	62 03 W	490	22		1011.1	24.4	- 1.6			12	157	+ 29		
SAN IGNACIO DE VELASCO	16 22 S	60 59 W	370	30		1007.8	26.6	- 0.4			16	178	+ 43		
SANTA CRUZ	17 47 S	63 10 W	437	30		1007.7	25.6	- 1.4			18	336	+211		
ROBORE	18 20 S	59 45 W	300	30		1007.9	27.7	- 0.7			11	257	+132		
CAMIRI	20 06 S	63 33 W	792	30		1006	24.1	- 1.9			12	155	+ 85		
VILLA-MONTES	21 16 S	63 30 W	400	19		1015	25.3	- 2.0			9	137	+ 22		
TARIJA	21 32 S	64 47 W	1905	30	813		24.1	+ 3.1			8	64	+ 0		
YACUIBA	22 01 S	63 43 W	580	30		1006	23.9	- 2.1			19	166	+ 53		
EL ALTO	16 30 S	68 11 W	4050	30	626.5		10.1	+ 1.1			13	62	+ 14		
ORURO	17 58 S	67 07 W	3706	30	650.8		13.1	- 0.9			8	74	+ 54		
COCHABAMBA	17 23 S	66 10 W	2570	30	748.2		20.0	- 1.0			10	83	+ 38		
SUCRE	19 03 S	65 10 W	2850	30	719.9		16.4	- 0.6			16	204	+144		
PUERTO SUAREZ	18 57 S	57 52 W	154	30		1009.6	28.9	+ 0.9			5	213	+ 91		
BRAZIL-NORTHERN															
BOA VISTA	02 49 N	60 39 W	90	30			27.1	- 1.4	29.3	+0.7	12	95	+ 29	4	
COARI	04 05 S	63 08 W	48	30	1003.5	1009.0	26.3	+ 0.4	30.7	+1.5	13	111	- 77	1	
MANAUS	03 07 S	60 01 W	60	30	1002.2	1010.3	27.0	- 0.3	28.8	-1.3	9	100	- 65	1	
MANAUS AERO PONTA PELADA	03 09 S	59 59 W	84			U									
CRUZEIRO DO SUL	07 38 S	72 36 W	170	30	985.7	1004.9	24.7	0.0	27.6	+0.2	13	25	-191	0	
PORTO VELHO/AEROPORTO	08 46 S	63 55 W	105	30	1000.7	1007.5	25.5	- 0.2	29.3	+1.9	15	160	- 81	2	
VILHENA /AEROPORTO/	12 44 S	60 08 W	652			U									
RIO BRANCO	09 58 S	67 48 W	136	30			25.6		28.2		14	201			
SAO FELIX DO XINGU	06 38 S	51 59 W	150	30	989.3	1010.7	25.6		28.1		12	122			
BELEM	01 28 S	48 29 W	24	30	1009.7	1010.3	26.3	- 0.2	31.6	+3.2	15	83	- 11	3	
BELEM/AERO VAL DE CAS	01 23 S	48 29 W	16			U									
SAO LUIZ	02 32 S	44 17 W	51	30	1004.3	1010.2	26.9		27.5		2	13		3	
FORTALEZA	03 43 S	38 33 W		30	1008.3	1011.2	27.7		26.9		0	1		1	
CEARA-MIRIM	05 39 S	35 25 W	64	30	1004.6	1011.8	27.6	+ 0.9	24.5	-1.1	4	9	- 5	3	
NATAL /AUGUSTO SEVERO/	05 55 S	35 15 W	49			U									
CONCEICAO DO ARAGUAIA	08 16 S	49 17 W	157	30			26.2	+ 0.9			11	89	-126	0	
CAROLINA	07 20 S	47 28 W	183	30	988.4	1012.3	26.2		26.9		8	125		1	
BARRA DO CORDA	05 30 S	45 16 W	82	30	991.3	1010.9	26.9	- 0.4	26.1	-0.3	6	36	- 40	2	
FLORIANO	06 46 S	43 01 W	110	30	994.8	1013.1	28.4		23.1		5	44			
QUIXERAMOBIM	05 12 S	39 18 W	199	30	986.0	1009.6	28.1	- 0.6	20.7	+0.5	1	1	- 5	2	
PORTO NACIONAL	10 42 S	48 25 W	238	30	983.9	1010.7	27.0	+ 1.2	26.1	-1.1	7	84	-149	1	
BOM JESUS DA LAPA	13 16 S	43 25 W	440	30	960.5	1011.4	27.5		21.2		4	38			
PETROLINA	09 23 S	40 30 W	370	30	969.0	1010.1	28.1		19.3		2	43			
RECIFE /CURADO/	08 04 S	34 51 W	19	30	1012.1	1013.3	26.7	+ 0.3	27.9	+2.4	14	28	+ 3	4	

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	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SOUTH AMERICA															
BRAZIL-NORTHERN															
ARACAJU	10 55 S	37 03 W	6	30	1011.8	1012.5	27.8	+ 2.0	26.5	+0.3	7	30	- 19	4	
SALVADOR (OLINDA)	13 00 S	38 31 W	51	30	1007.2	1012.8	25.1	- 0.1	27.5	+1.2	12	39	- 96	1	
BRAZIL SOUTHERN															
CUIABA	15 36 S	56 06 W	165	30	992.0	1008.9	27.1	+ 0.3	27.5	+0.4	12	125	- 40	2	
PONTA PORA	22 32 S	55 44 W	650	30	934.7	1010.0	22.9	+ 0.8	22.3	+3.3	16	283	+122	3	
CAMPO GRANDE	20 28 S	54 40 W	567	30	951.3	1009.8	24.4	+ 0.4	23.9	+2.4	14	233	+ 76	5	
TRES LAGOAS	20 47 S	51 42 W	314	30	973.6	1008.6	26.7	+ 1.3	22.3	-1.2	5	75	- 52	1	
GOIANIA	16 41 S	49 15 W	733	30	928.0	1009.1	25.3	+ 2.3	20.0	-2.5	11	117	-102	1	
MONTES CLAROS	16 44 S	43 52 W		30	940.0	1011.1	24.5		19.4		8	118		2	
BRASILIA/CRUZEIRO/	15 46 S	47 56 W	1161	30	885.4	1010.2	21.8		17.1		11	87			
BRASILIA/AEROPORTO/	15 52 S	47 56 W	1061			U									
ARAXA	19 34 S	46 58 W	950	30	899.9	1012.0	21.9	+ 0.6	18.6	-1.1	14	209	- 17	3	
BELO HORIZONTE	19 50 S	43 56 W	915	30	918.7	1012.3	22.9	+ 1.1	21.1	+1.5	11	203	- 12	2	
CARAVELAS	17 44 S	39 15 W	4	30	1013.5	1014.0	24.8	+ 0.6	21.9	-2.9	9	132	-107	2	
CORUMBA	19 01 S	57 40 W	140	30	992.1	1009.5	27.0	0.0	29.7	+4.4	10	299	+181	6	
TRINIDADE/ILHA/	20 30 S	29 19 W	21	30	1017.5	1018.0	25.4		23.6		5	13			
JUIZ DE FORA	21 46 S	43 21 W	683	30	910.8	1014.5	19.6		18.5		14	133		2	
RIO DE JANEIRO	22 54 S	43 10 W	26	30	1013.3	1013.7	23.8	+ 0.7	23.4	+1.2	11	35	- 62	0	
RIO DE JANEIRO/AERO GALEAO	22 49 S	43 15 W	6			U									
LONDRINA	23 23 S	51 11 W	566	30	946.6	1010.3	22.1		20.5		9	111			
SAO PAULO	23 30 S	46 37 W	795	30	923.9	1012.2	20.8	+ 1.3	18.6	+0.5	7	140	+ 6	4	
SAO PAULO(AEROPORTO)	23 37 S	46 39 W	803			U									
CURITIBA	25 26 S	49 14 W	949	30	911.5	1014.1	17.8	+ 0.4	17.4	+1.4	12	169	+ 64	5	
CURITIBA/AERO AFONSO PENA	25 31 S	49 10 W	908			U									
FLORIANOPOLIS (AEROPORTO)	27 40 S	48 33 W	5	30	1014.3	1014.5	20.9		20.8		17	270		5	
ALEGRETE	29 47 S	55 47 W	103	30	996.9	1010.6			18.4	+1.5	8	157	+ 24	3	
IGUAPE	24 43 S	47 33 W	4	30	1012.6	1013.1	22.5		23.0		16	170		5	
PORTO ALEGRE	30 05 S	51 11 W	7	30	1008.0	1013.5	20.6	- 0.7	17.7	-0.2	5	70	- 5	4	
PORTO ALEGRE/AERO S.FILHO	30 00 S	51 11 W	3			U									
SANTA VITORIA DO PALMAR	33 31 S	53 22 W	6	30	1011.1	1015.5	17.5	- 0.4	16.3	+0.4	5	40	- 30	2	
CHILE															
ARICA/CHACALLUTA	18 22 S	70 21 W	35	30	1008.8	1016.3	19.7	+ 0.4	16.5	-1.0	0	0	0	5	
ANTOFAGASTA/CERRO MORENO	23 28 S	70 26 W	122	30	1001.6	1015.7	17.2	+ 0.4	14.5	+0.7	0	T	+ T	5	
ISLA DE PASCUA/MATAVERI	27 10 S	109 26 W	41	30	1016.2	1021.8	20.7	+ 0.5	20.0	+0.8	12	159	+ 47	5	
JUAN FERNANDEZ	33 37 S	78 50 W	6	30	1017.4	1021.0	14.0	- 1.0	12.0	-0.6	18	44	+ 16	5	
LA SERENA	29 54 S	71 15 W	32	30	999.7	1016.7	14.6	- 0.9	12.3	-1.3	0	0	- 1	3	
QUINTERO	32 47 S	71 32 W	2	30			13.7	- 0.3			0	1	- 2	4	
PUNTA ANGELES	33 01 S	71 39 W	41	30	1013.7	1018.8	14.3	- 1.1	12.5	+0.1	1	2	- 2	4	
SANTIAGO/PUDAHUEL	33 26 S	70 50 W	480	30	960.6	1016.0	15.5	- 1.2	12.0	-0.2	1	4	- 3	4	
VALDIVIA/PICHOY	39 37 S	73 04 W	53	30	1015.2	1017.5	12.7	- 0.6	11.4	-0.4	7	55	- 37	2	
PUERTO MONTT /EL TEPUAL	41 26 S	73 07 W	110	30	1008.7	1019.1	10.8	- 1.5	10.4	-0.6	14	62	- 46	2	
ISLA GUAFA	43 34 S	74 44 W	140	30	1001.2	1018.0	9.8	- 0.3	11.5	+0.9	8	29	-103	1	
PUNTA ARENAS/CARLOS IBANEZ	53 02 S	70 51 W	33	30	998.4	1002.6	9.0	+ 0.5	7.5	0.0	4	13	- 20	1	
PARAGUAY															
PUERTO CASADO	22 27 S	57 52 W	87	30	1001.2	1011.2	26.9	- 0.6	27.2	+4.5	10	318	+184	5	
CONCEPCION /PISTA/	23 27 S	57 16 W	95	30	1001.6	1011.4	26.3	0.0	24.0	+2.8	9	315	+156	5	
PTC STROESSNER/AERO	25 16 S	57 38 W	101	30	1000.5	1011.1	25.5	+ 1.4	23.7	+2.8	11	256	+118	5	
VILLARRICA	25 45 S	56 26 W	155	30	993.4	1010.9	23.5	+ 1.5	23.3	+2.8	12	333	+196	6	
PILAR	26 51 S	58 19 W	55	30	1005.9	1012.6	24.7	+ 0.7	23.3	+3.2	14	214	+ 78	5	
ENCARNACION	27 20 S	55 50 W	80	30	1003.1	1012.3	23.5	+ 0.7	21.2	+1.6	12	288	+149	5	
ARGENTINA-NORTHERN															
LA QUIACA OBSERVATORIO	22 06 S	65 36 W	3459	30	671.7	3105 Z	12.1	0.0	8.6	+1.6	4	19	- 13	2	90
JUJUY AERO	24 23 S	65 05 W	905	30	910.1	1493 Y	21.0	- 1.8	18.6		9	67			
SALTA AERO	24 51 S	65 29 W	1226	30	876.6	1484 Y	19.3	- 0.7	16.7	+1.7	6	45	- 18	3	70
CEVIL POZO AERO	26 51 S	65 06 W	5	30	959.0	1009.3	22.1		18.7		10	44			
CATAMARCA AERO	28 36 S	65 46 W	456	30	955.9	1006.5	24.3	- 1.2	21.4		2	21			
LA RIOJA AERO	29 23 S	66 49 W	430	30	959.4	1007.0	25.2	- 0.1	16.7	+1.6	1	4	- 35	1	75
SAN JUAN	31 34 S	68 25 W	598	30	943.3	1010.3	21.8		11.5		2	24			95
JACHAL	30 15 S	68 45 W	1165	26	880.5	1468 Y	20.5	- 0.4	12.0	-1.1	1	2	- 7	2	85
CHEPES	31 20 S	66 36 W	658	30	935.9	1008.7	22.4	- 0.9	15.5	+0.7	4	20	- 26	1	
MENDOZA AERO	32 51 S	68 47 W	703	30	933.8	1012.3	20.3	- 1.0	12.1	-0.5	4	19	0	4	
MENDOZA OBSERVATORIO	32 50 S	68 51 W	828	30	918.1	1482 Y	18.4	- 2.6	12.4	+1.3	3	33	+ 11	4	60
SAN LUIS AERO	33 16 S	66 21 W	713	30	930.5	1010.2	19.0	- 2.1	13.4	+1.4	7	137	+ 61	5	
VILLA REYNOLDS AERO	33 44 S	65 23 W	486	30	957.0	1012.7	17.5	- 2.5	15.2	+1.2	11	164	+ 81	5	60
CORDOBA AERO	31 19 S	64 13 W	474	30	958.1	1011.9	19.7	- 0.9	15.4	+0.6	10	114	+ 8	4	90
CORDOBA	31 24 S	64 11 W	425	30	963.3	1011.8	19.8	- 1.2	15.6	+1.3	11	127	+ 27	4	75
PILAR OBSERVATORIO	31 40 S	63 53 W	338	30	974.3	1013.3	19.2	- 1.1	15.8	+0.7	13	139	+ 33	4	80
RIO CUARTO AERO	33 05 S	64 16 W	421	30	964.1	1012.2	18.7	- 1.0	14.6	-1.1	12	144	+ 30	4	65
RIVADAVIA	24 10 S	62 54 W	205	30	984.7	1008.1	23.6	- 2.9	23.8	+4.4	12	91	+ 14	3	
LAS LOMITAS	24 42 S	60 35 W	130	30	994.1	1008.9	25.0	- 2.1	24.0	+1.6	16	256	+118	5	75
FORMOSA AERO	26 12 S	58 14 W	60	30	1001.7	1008.5	24.8	+ 0.5	24.6	+3.7	12	309	+162	5	100
ORAN AERO	23 09 S	64 19 W	357	30	967.9	1008.3	23.2	- 0.4	23.1	+2.3	16	123	+ 38	5	70
SANTIAGO DEL ESTERO AERO	27 46 S	64 18 W	199	30	986.2	1009.0	22.8	- 2.0	18.4	+1.5	7	50	- 15	3	55
PRES. ROQUE SAENZ PENA	26 49 S	60 27 W	92	30	999.4	1009.9	23.1	- 1.3	23.3	+3.9	12	154	+ 34	4	70
RESISTENCIA AERO	27 27 S	59 03 W	52	30	1003.9	1009.9	23.3	- 0.1	22.2	+2.2	13	139	+ 4	4	65
CORRIENTES AERO	27 27 S	58 46 W	62	30	1003.1	1010.3	23.3	- 0.3	22.6		13	182	+ 46	4	
POSADAS AERO	27 22 S	55 58 W	133	30	995.4	1010.6	23.7	+ 0.2	21.5	+1.6	13	282	+146	5	75
RECONQUISTA AERO	29 11 S	59 40 W	49	30	1005.1	1011.3	22.3	- 0.1	21.6	+2.1	11	203	+ 89	4	70

SURFACE DATA

NOVEMBER 1984

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE: MEAN STATION	PRESSURE: MEAN SEA LEVEL	TEMPERATURE: MEAN	TEMPERATURE: DEPARTURE	VAPOR PRESSURE: MEAN	VAPOR PRESSURE: DEPARTURE	PRECIPITATION: NO. OF DAYS ≥ MM.	PRECIPITATION: TOTAL	PRECIPITATION: DEPARTURE	PRECIPITATION: QUINTILE	SUN-SHINE: PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SOUTH AMERICA															
ARGENTINA-NORTHERN															
CERES	29 53 S	61 57 W	88	30	1000.7	1011.0	21.6	- 1.0	18.8	+2.2	10	152	+ 41	4	80
PASO DE LOS LIBRES	29 41 S	57 09 W	70	30	1003.3	1011.4	22.2	- 0.2	17.9	-0.3	5	124	+ 10	4	105
PARANA AERO	31 47 S	60 29 W	62	30	1004.2	1013.3	20.7	- 0.1	16.7	-0.2	7	65	- 53	2	90
CONCORDIA AERO	31 18 S	58 01 W	38	30	1008.7	1013.1	21.2	+ 0.2	16.2	-0.3	7	123	+ 1	3	
ROSARIO AERO	32 55 S	60 47 W	27	30	1009.4	1012.3	20.3	+ 0.3	16.6	0.0	8	78	- 29	2	85
GUALEGUAYCHU AERO	33 00 S	58 37 W	24	30	1009.7	1012.6	19.9	- 0.2	16.4	-0.2	8	120	+ 21	4	90
ARGENTINA-SOUTHERN															
BARILOCHE AERO	41 09 S	71 10 W	836	30	919.0	1485 Y	10.6	+ 0.1	7.5	-0.7	2	12	- 13	2	110
MAQUINCHAO	41 15 S	68 44 W	888	30	912.3	1476 Y	12.0	- 1.4	6.8	-0.2	6	40	+ 24	5	
ESQUEL AERO	42 56 S	71 09 W	785	30	921.9	1011.5	12.1	+ 1.1	5.9	-0.5	2	16	- 4	3	
SAN RAFAEL AERO	34 35 S	68 24 W	747	30	925.7	1009.3	16.7	- 2.6	12.1	-0.3	9	95	+ 52	5	
LABOULAYE	34 08 S	63 24 W	138	30	997.1	1013.3	18.8	- 1.1	15.6	+0.8	13	148	+ 47	4	85
JUNIN AERO	34 33 S	60 57 W	81	30	1004.3	1013.8	18.7	- 0.2	15.6	+0.1	11	100	- 5	3	90
PEHUAJO AERO	35 51 S	61 52 W	87	30	1003.4	1013.5	18.7	+ 0.1	16.2	+1.5	12	90	- 8	3	
SANTA ROSA AERO	36 34 S	64 16 W	189	30	990.5	1012.7	18.1	+ 1.2	14.0	+0.6	7	108	+ 21	4	70
NEUQUEN AERO	38 57 S	68 08 W	270	30	982.1	1013.8	16.9	- 2.1	8.5		6	35	+ 24	5	
AZUL AERO	36 44 S	59 50 W	132	30	998.2	1013.7	16.9	+ 0.2	16.2	+1.9	9	143	+ 56	5	100
EZEIZA AERO	34 49 S	58 32 W	20	30	1011.1	1013.4	19.0	+ 0.2	15.0	-0.4	10	45	- 44	2	
AERO PARQUE	34 34 S	58 25 W	69	30	1013.1	1013.8	20.1	+ 0.1	16.7	+0.3	8	52	- 41	2	
BUENOS AIRES/OBS. CENTRAL	34 35 S	58 29 W	25	30	1010.9	1013.8	20.1	+ 0.2	15.8	-0.2	10	78	- 21	3	85
DOLORES AERO	36 21 S	57 44 W	9	30	1012.6	1013.7	17.5	+ 0.1	16.2	+1.0	12	84	0	3	100
MAR DEL PLATA AERO	37 56 S	57 35 W	24	30	1011.1	1013.7	15.3	+ 0.4	13.5	-0.7	3	85	+ 10	4	
TRES ARROYOS AERO	38 20 S	60 15 W	115	30	1000.2	1013.9	15.8	- 0.9	13.4	+1.2	8	129	+ 55	5	
PIGUE AERO	37 37 S	62 25 W	298	30	978.1	1013.7	15.4	- 1.0	13.4	+1.2	6	99	+ 10	4	80
COMANDANTE ESPORA B.N.	38 44 S	62 10 W	74			U									
BAHIA BLANCA AERO	38 44 S	62 11 W	72	30							9	77	+ 15	4	
VIEDMA AERO	40 51 S	63 01 W	8	30	1011.5	1012.3	11.6		10.1		3	14	- 8	3	
SAN ANTONIO OESTE AERO	40 44 S	64 57 W	7	30							1	5	- 13	1	
TRELEW AERO	43 14 S	65 19 W	39	30	1007.3	1012.3	17.0	0.0	8.1	+0.9	3	16	0	3	95
PASO DE INDIOS	43 49 S	68 53 W	0	30	957.3	1010.5	14.3		7.3		2	6			
COMODORO RIVADAVIA AERO	45 47 S	67 30 W	61	30	1004.1	1009.5	15.8	0.0	10.3	+3.2	4	10	- 1	4	75
PUERTO DESEADO AERO	47 44 S	65 55 W	79	30	999.4	1008.9	13.1	+ 0.4	9.2	+1.2	1	4	- 6	1	
GOBERNADOR GREGORES AERO	48 47 S	70 10 W	358	26	964.3	1006.2	13.5	+ 1.2	7.2		4	20	+ 9	3	
SAN JULIAN AERO	49 18 S	67 43 W	26	30	999.5	1006.9	14.3	+ 2.2	8.7		4	16	- 3	4	
LAGO ARGENTINO AERO	50 20 S	72 18 W	220	30	980.2	1006.2	12.0	+ 1.4	5.8	0.0	1	2	- 8	2	
SANTA CRUZ AERO	50 01 S	68 34 W	111	30	992.6	1005.8	13.0	+ 0.9	8.0		3	18	- 4	4	
RIO GALLEGOS AERO	51 37 S	69 17 W	17	30	999.3	1001.5	12.0	+ 1.4	7.9	+1.1	3	15	- 8	3	90
RIO GALLEGOS E.N.	51 38 S	69 13 W	27			U									
URUGUAY															
SALTO	31 23 S	57 58 W	46	30	1008.8	1012.6	21.6	- 0.3	15.8	+1.1	6	86	- 5	3	
MELO	32 25 S	54 20 W	93	30	1001.5	1013.5	18.3	- 1.2	15.3	-0.4	7	73		3	
PASO DE LOS TOROS	32 46 S	56 32 W	79	30	1004.1	1013.1	10.3	- 1.0	15.2	-1.2	5	92	+ 11	4	
MERCEDES	33 15 S	58 04 W	22	30	1011.2	1013.3	20.5	- 0.8	15.3	-1.0	7	103	+ 11	4	
TREINTA Y TRES	33 11 S	54 21 W	44	30	1008.4	1013.9	18.3	- 1.4	15.2	+0.4	6	37	- 36	2	
COLONIA	34 28 S	57 51 W	20	30	1010.6	1013.4	19.1	- 1.0	15.1	-1.3	8	87	- 15	4	
MONTEVIDEO/PRADO	34 52 S	56 12 W	22	30	1011.9	1013.7	18.5	+ 0.2	15.2	+0.5	7	61	- 17	3	
PUNTA DEL ESTE	34 58 S	54 57 W	16	30	1012.4	1014.3	17.9	+ 0.7	15.1	-0.1	7	56	- 13	3	
ROFHA	34 30 S	54 20 W	22	30	1012.5	1014.7	17.2	- 0.3	14.7	-1.7	5	49	- 22	2	
ANTARCTICA															
CENT.MET.ANT.PDTE.ED.FREI	62 25 S	58 53 W	10	30	984.6	985.8	- 0.4		5.0		16	81			
B.A. ARTURO PRAT	62 30 S	59 41 W	5	30	983.8	984.4	- 0.5		5.2		15	80			
B.A. BERNARDO O'HIGGINS	63 19 S	57 54 W	10	30	981.6	982.8	- 1.2		4.6		12	62			
B. A. VICECOMODORO MARAMBIO	64 14 S	56 43 W	198	30	957.7	981.9	- 3.1		3.9		2	4			
S.A.N.A.E. STATION	70 19 S	02 21 W	52	30	975.0	982.2	-11.0		1.6						
AMUNDSEN-SCOTT	90 00 S		2800		682.0		-35.3				0	T			
EUROPE															
GREENLAND															
NORD	81 36 N	16 40 W	36	30	1010.4	1015.4	-24.2	- 0.4	0.6		5	17	0		
DANMARKSHAVN	76 46 N	18 46 W	12	30	1011.2	1012.8	-17.3	+ 1.3	1.1		6	20	+ 10		
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	30	1000.0	1008.9	-10.6	- 0.2	2.4		5	29	- 8		
EGEDESMINDE	68 42 N	52 45 W	47	30	999.0	1005.1	- 5.6	+ 0.3	0.3		5	12	- 13		
EGEDESMINDE	68 42 N	52 45 W	27			U									
GODTHAB	64 10 N	51 45 W	50	30	998.1	1001.6	- 3.5	- 0.1	3.7		9	26	- 37		
ANGMAGSSALIK	65 36 N	37 38 W	50	30	999.6	1004.2	- 4.1	- 1.3	3.6		11	96	- 2		
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	30	988.8	998.4	- 0.9	- 0.4	4.8						
ICELAND															
REYKJAVIK	64 08 N	21 56 W	16	30	990.4	998.0	1.2	- 1.4	5.2	-0.4	9	57	- 28	2	189
KEFLAVIK	63 58 N	22 36 W	54	30	991.2	997.8	1.5	- 1.3	5.9	+0.1	11	85	- 32		
AKUREYRI	65 41 N	18 05 W	27	30	997.1	1000.5	- 0.7	- 2.0	5.1	-0.2	9	48	+ 3	4	103
HOFN I HORNAFIRDI	64 15 N	15 11 W	11	30	997.2	998.6	2.7	+ 0.3	6.2		12	122	- 48		68

SURFACE DATA

NOVEMBER 1984

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUNSHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
UNITED KINGDOM															
LERWICK	60 08 N	01 11 W	82	30	992.0	1001.9	6.6	+ 0.7	8.5	-0.1	18	110	- 17	3	65
STORNOWAY	58 13 N	06 19 W	13	30	996.0	997.8	7.1	+ 0.2	8.8	0.0	16	140	+ 29	4	89
TIREE	56 30 N	06 53 W	9	30	996.9	997.9	7.5	- 0.4	8.6	-0.5	19	144	+ 22	4	123
ABERDEEN/DYCE	57 12 N	02 12 W	59	30	992.3	1000.1	6.9	+ 1.3	8.9	+0.9	18	268	+177	6	55
EDINBURGH/TURNHOUSE AP	55 57 N	03 21 W	35	30	995.7	1000.1	7.3	+ 1.0	8.5	+0.1	18	159	+ 97		87
ESKDALEMUIR	55 19 N	03 12 W	242	30	972.1	1000.7	5.9	+ 1.1	8.5	+0.9	21	249	+ 89	4	49
LEEMING	54 18 N	01 32 W	32	30	997.8	1001.7	7.6		9.4		16	99			
BELFAST/ALDERGROVE AP	54 39 N	06 13 W	68	30	991.1	999.5	6.4	- 0.2	8.5	-0.2	11	71	- 1	3	91
VALLEY	53 15 N	04 32 W	10	30	999.6	1001.0	8.9	+ 0.2	10.0	+0.3	18	145	+ 47	4	97
AUGHTON	53 33 N	02 55 W	56			U									
MANCHESTER AIRPORT	53 21 N	02 16 W	75	30	993.1	1002.2	8.1	+ 1.3	9.1	+0.6	13	121	+ 41	4	113
BIRMINGHAM AP	52 27 N	01 44 W	97	30	991.3	1003.2	7.7	+ 1.2	10.0	+1.3	17	123	+ 51		69
WADDINGTON	53 10 N	00 31 W	68	30	994.6	1003.1	7.8	+ 1.4	9.7	+1.0	14	95	+ 33	4	85
LONDON/GATWICK AIRPORT	51 09 N	00 11 W	60	30	997.8	1004.8	9.1		10.0		14	104			
CRAWLEY	51 05 N	00 13 W	144			U									
CARDIFF-WALES AP	51 24 N	03 21 W	67	30	995.6	1003.4	8.2		9.8		19	179			
BOURNEMOUTH/HURN AP	50 47 N	01 50 W	11	30	1003.1	1004.3	8.7		10.1		19	147			
PLYMOUTH/MOUNT BATTEN	50 21 N	04 07 W	27	30	1000.8	1004.0	9.3	+ 0.4	10.6	+0.7	23	190	+ 75	5	89
IRELAND															
MALIN HEAD	55 22 N	07 20 W	25	30	995.3	998.4	7.5	- 0.4	8.9	-0.2	21	110	+ 14		104
BELMULLET	54 14 N	10 00 W	10	30	996.9	998.1	7.0	- 1.3	8.8		20	237	+111		130
DUBLIN AIRPORT	53 26 N	06 15 W	81	30	989.8	1000.1	7.4	0.0	9.0	+0.2	14	97	+ 29		92
SHANNON AIRPORT	52 41 N	08 55 W	7	30	997.6	1000.0	6.9	- 0.7	9.0	-0.4	16	101	+ 8		90
CORK AIRPORT	51 51 N	08 30 W	162	30	981.2	1000.8	6.8	- 0.7	9.0		17	178	+ 48		
VALENTIA OBSERVATORY	51 56 N	10 15 W	14	30	998.5	1000.2	7.8	- 1.3	9.2	-0.6	20	225	+ 74	5	110
DENMARK AND FAROE IS															
THORSHAVN	62 01 N	06 46 W	24	30	996.3	999.2	6.1	0.0	8.3		24	159	+ 3	3	105
THORSHAVN	62 01 N	06 46 W	55			U									
ALBORG	57 06 N	09 52 E	3	30	1009.8	1010.2	5.8	+ 1.2	8.0		11	51	- 4	3	
KOBENHAVN/JAEGERSBORG	55 46 N	12 32 E	40			U									
KOBENHAVN/LANDBOHOJSKOLEN	55 41 N	12 33 E	5	30	1011.6	1012.2	6.7	+ 1.3	8.5		5	44	- 4	3	138
RONNE	55 04 N	14 45 E	16	30	1012.6	1014.6	5.7	+ 0.3	7.6		4	32	- 19	2	
NORWAY															
BJORNOYA	74 31 N	19 01 E	14	30	1008.4	1010.5	- 0.7	+ 1.3	5.0		11	33	+ 1	3	
BJORNOYA	74 31 N	19 01 E	18			U									
JAN MAYEN	70 56 N	08 40 W	9	30	1003.7	1004.9	- 0.1	+ 1.1	5.2		11	67	- 5	3	
VARDO	70 22 N	31 06 E	15	30	1011.7	1013.5	- 1.9	- 1.4	4.8	-0.5	9	38	- 5	2	
SVALBARD LUFTHAVN	78 15 N	15 28 E	29	30	1008.2	1011.9	- 4.6	+ 3.0	3.0		5	15			
TROMSO/LANGNES	69 41 N	18 55 E	10	30	1009.8	1011.0	- 1.0	- 1.6	4.3	-0.8	8	56	- 19		122
BODO	67 17 N	14 25 E	13	30	1008.1	1009.7	1.7	- 0.3	4.6	-1.0	10	88	- 12	3	165
BODO	67 15 N	14 24 E	8			U									
ORLAND	63 42 N	09 37 E	7	30	1005.8	1006.9	4.8	+ 1.3	5.9	-0.5	9	52	- 43	1	
ORLAND	63 42 N	09 24 E	10			U									
BERGEN/FREDRIKSBERG	60 24 N	05 19 E	44	30	1000.1	1005.5	7.6	+ 2.1	7.8	+0.5	17	165	- 42	2	104
STAVANGER/SOLA	58 53 N	05 38 E	8	30	1005.2	1006.3	7.6	+ 2.4	7.6	+0.2	12	99	- 13	2	
STAVANGER/SOLA	58 52 N	05 40 E	33			U									
OSLO/BLINDERN	59 56 N	10 44 E	96	30	1000.3	1012.2	2.8	+ 1.7	6.2	+0.2	9	51	- 18	2	45
OSLO/GARDERMOEN	60 12 N	11 05 E	203	30	987.1	1012.3	1.3	+ 1.9	6.0	+0.6	13	79	- 3	3	
OSLO/GARDERMOEN	60 12 N	11 06 E	201			U									
SWEDEN															
KARESUANDO	68 27 N	22 30 E	327	30	974.3	1015.7	-11.2	- 3.9	2.5	-1.0	8	27	+ 1	4	86
HAPARANDA	65 50 N	24 09 E	7	30	1015.1	1016.0	- 3.7	- 1.0	4.5	-0.3	8	45	- 13	2	62
STENSELE	65 04 N	17 10 E	327	30	979.5	1014.8	- 6.3	- 2.1	3.5	-0.9	10	55	+ 17	4	
OSTERSUND/FROSON	63 11 N	14 30 E	366	30	968.1	1013.2	- 0.8	+ 0.6	4.7		8	38	+ 1	3	147
HARNOSAND	62 38 N	17 57 E	8	30	1013.6	1014.9	0.3	- 0.4	5.7	+0.1	10	66	+ 21	2	93
SUNDSVALL-HARNOSAND	62 32 N	17 27 E	6			U									
STOCKHOLM/BROMMA	59 21 N	17 57 E	22			U									
KARLSTAD	59 22 N	13 28 E	55	30	1008.1	1013.8	3.6	+ 1.5	6.8	-0.3	13	90	+ 23	4	93
JONKOPINGS AIRPORT	57 46 N	14 05 E	232	30	986.4	1014.1	3.4	+ 1.6	7.2		8	36	- 19	1	200
GOTEBORG/SAVE	57 47 N	11 53 E	53	30	1005.8	1012.3	5.4	+ 1.5	7.8	+0.3	11	65	+ 2	4	164
GOTEBORG/LANDVETTER	57 40 N	12 18 E	155			U									
VISBY	57 40 N	18 21 E	47	30	1010.0	1016.3	4.7	+ 0.3	7.0	-0.3	5	28	- 20	1	147
FINLAND															
SODANKYLA	67 22 N	26 39 E	180	30	993.5	1016.8	- 8.3	- 2.5	3.3	-0.4	5	29	- 10	2	130
KAJAANI	64 17 N	27 41 E	136	30	1000.4	1017.7	- 2.8	- 0.2	4.7	0.0	8	30	- 13	2	70
JYVASKYLA/LUONETJARVI	62 24 N	25 40 E	145	30	999.3	1017.7	- 1.0	+ 0.6	5.4	+0.3	7	31	- 22	2	13
VAASA	63 03 N	21 46 E	8	30	1014.4	1015.5	0.2	+ 0.7	5.9	+0.4	5	21	- 24	1	88
JOKIOINEN	60 49 N	23 29 E	103	30	1004.8	1017.8	0.8	+ 0.9	6.2	+0.6	10	57	+ 6	4	47
TURKU	60 31 N	22 16 E	54	30	1009.8	1017.2	1.7	+ 0.8	6.6	+0.6	11	93	+ 35	5	45
HELSINKI/SEUTULA	60 19 N	24 58 E	58	30	1011.3	1018.4	1.2	+ 0.6	6.4	+0.6	9	42	- 22	2	43
FRANCE															
CHERBOURG-MAUPERTUS	49 39 N	01 28 W	138	30	988.8	1005.4	9.4		10.1		15	147			
BREST/GUIPAVAS	48 27 N	04 25 W	103	30	992.3	1004.7	9.9	+ 0.9	10.7	+0.5	23	167	+ 29	4	86
NANTES	47 10 N	01 37 W	27	30	1004.3	1007.6	10.6	+ 2.4	11.2	+1.4	18	198	+115	6	105
TRAPPES	48 46 N	02 01 E	168	30	987.9	1008.1	9.2	+ 3.0	10.3	+1.4	12	74	+ 18	4	157
PARIS/LE BOURGE	48 58 N	02 27 E	65	30	1000.7	1008.6	9.7	+ 2.9	10.8	+2.0	11	60	+ 10	4	179

SURFACE DATA

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE: MEAN STATION	PRESSURE: MEAN SEA LEVEL	TEMPERATURE: MEAN	TEMPERATURE: DEPARTURE	VAPOR PRESSURE: MEAN	VAPOR PRESSURE: DEPARTURE	PRECIPITATION: NO. OF DAYS ≥ 1 MM.	PRECIPITATION: TOTAL	PRECIPITATION: DEPARTURE	PRECIPITATION: QUINTILE	SUNSHINE: 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	30	985.4	1011.8	6.4	+ 1.2	8.6	+0.5	14	86	+ 25	4	98
STRASBOURG/ENTZHEIM	48 33 N	07 38 E	154	30	994.0	1012.8	6.3	+ 1.4	8.8	+1.0	10	43	+ 2	4	82
DIJON	47 16 N	05 05 E	227	30	984.3	1011.7	7.6	+ 1.9	9.5	+1.5	17	95	+ 19	4	92
BOURGES	47 04 N	02 22 E	166	30	990.3	1010.3	9.4	+ 2.6	10.2	+1.6	16	106	+ 45	5	154
LIMOGES/BELLEGARDE	45 52 N	01 11 E	396	30	962.9	1010.4	9.8	+ 3.1	9.7	+1.3	19	165	+ 77	5	116
LYON/BRON	45 43 N	04 57 E	201	30	988.0	1012.1	9.9	+ 3.2	10.2	+1.8	11	65	- 15	3	125
LYON/SATOLAS	45 44 N	05 05 E	240			U									
BORDEAUX/MERIGNAC	44 50 N	00 42 W	51	30	1002.6	1010.0	10.7	+ 2.3	11.4	+1.6	20	171	+ 75	5	102
TOULOUSE/BLAGNAC	43 38 N	01 22 E	153	30	992.7	1011.0	11.5	+ 3.2	11.4	+1.8	12	58	+ 7	4	140
PERPIGNAN	42 44 N	02 52 E	48	30	1005.5	1011.3	13.2	+ 1.7	11.2	+1.4	5	98	+ 42	5	83
NIMES/COURBESSAC	43 52 N	04 24 E	62	30	1005.2	1012.7	12.1	+ 2.3	10.7	+1.6	10	227	+145	5	85
MARSEILLE/MARIGNANE	43 27 N	05 13 E	8	30	1008.4	1012.7	13.0	+ 2.8	10.9	+1.1	9	92	+ 23	4	91
NICE/COTE DAZUR	43 39 N	07 12 E	10	30	1011.8	1013.1	13.1	+ 1.6	10.5	+0.2	10	105	- 24	3	95
AJACCIO/CAMPO DEL ORO	41 55 N	08 48 E	9	30	1011.8	1012.5	13.3	+ 1.5	11.8	+0.5	13	148	+ 51	5	108
BELGIUM															
UCCLE	50 48 N	04 21 E	104	30	995.3	1007.5	9.4		9.9		13	79		4	129
NETHERLANDS															
DE BILT	52 06 N	05 11 E	4	30	1006.9	1007.4	8.2	+ 2.3	9.3	+1.0	10	62	- 8	3	130
LUXEMBOURG															
LUXEMBOURG AP	49 37 N	06 13 E	378	30	964.7	1010.8	5.8	+ 1.9	8.1	+0.7	10	876	+ 5	3	105
SWITZERLAND															
SANTIS	47 15 N	09 21 E	2500	30	746.1	3009 Z	0.0	+ 4.5	3.5	+0.3	8	98	- 92	2	104
ZURICH/TOWN/VILLE/	47 23 N	08 34 E	569	30	946.2	1013.8	6.0	+ 2.3	7.8	+1.1	7	68	- 8	4	119
GENEVE/COINTRIN	46 15 N	06 07 E	430	30	963.9	1013.8	6.4	+ 1.4	8.3	+1.1	12	63	- 28	3	72
PAYERNE/ STN. AEROLOGICAL	46 49 N	06 57 E	491			U									
LUGANO	46 00 N	08 58 E	276	30	982.8	1016.1	8.2	+ 1.3	8.6	+1.2	7	109	- 38	3	80
FEDERAL REP OF GERMANY															
SCHLESWIG	54 32 N	09 33 E	48	30	1004.2	1010.1	5.5	+ 0.6	7.9	-0.1	8	69	+ 1	3	129
HAMBURG/FUHLSBUTTEL	53 38 N	09 59 E	16	30	1009.0	1011.0	5.4	+ 0.5	7.7	-0.3	4	64	+ 7	4	154
EMDEN-HAFEN	53 20 N	07 12 E	12	30	1006.6	1008.1	6.5	+ 0.9	8.4	+0.1	6	67	- 4	3	128
HANNOVER	52 28 N	09 42 E	54	30	1004.2	1010.9	5.8	+ 0.7	8.0	+0.1	7	54	+ 2	4	167
BERLIN/TEMPELHOF	52 28 N	13 24 E	49	30	1007.5	1013.6	4.6	- 0.1	7.2	-0.1	5	48	+ 4	3	155
KASSEL	51 19 N	09 29 E	163	30	982.8	1011.1	5.5	+ 0.8	7.7	+0.2	6	58	+ 8	4	99
ESSEN	51 24 N	06 58 E	161	30	989.2	1008.6	8.5	+ 2.7	8.6	+0.5	8	51	- 33	3	122
GEISENHEIM	49 59 N	07 58 E	120	30	996.8	1011.5	5.9	+ 0.5	8.0	+0.4	8	39	- 3	3	111
NURNBERG	49 30 N	11 05 E	312	30	975.6	1013.5	4.7	+ 1.0	7.3	+0.2	6	32	- 9	3	114
STUTTGART/CANNSTATT	48 50 N	09 12 E	315	30	974.7	1012.3	6.0	+ 1.1	7.7	+0.5	6	26	- 21	2	
MUNCHEN/RIEM	48 09 N	11 43 E	529	30	950.4	1014.0	3.4	+ 0.5	7.1	+0.3	6	41	- 16	3	101
MUNCHEN/OBERSCHLEISSHEIM	48 15 N	11 33 E				U									
KONSTANZ	47 41 N	09 11 E	447	30	959.3	1012.8	5.7	+ 1.5	8.2	+1.0	8	57	+ 9	4	92
ZUGSPITZE	47 25 N	10 59 E	2962	30	704.3	3010 Z	- 3.2	+ 3.8	2.8	0.0	7	92	- 42		111
GERMAN DEMOCRATIC REP															
GREIFSWALD	54 06 N	13 23 E	5			U									
LINDENBERG	52 13 N	14 07 E	100			U									
WAHNSDORF	51 07 N	13 41 E	232			U									
MEININGEN	50 33 N	10 22 E	456			U									
AUSTRIA															
ST. POLTEN	48 12 N	15 38 E	282	30	981.3	1015.8	4.9	+ 1.0	7.4	+0.5	5	25	- 20	2	142
WIEN/HOHE-WARTE	48 15 N	16 22 E	212	30	991.1	1016.6	5.6	+ 0.8	7.6	+0.5	6	36	- 17	2	115
SALZBURG-FLUGHAFEN	47 48 N	13 00 E	450	30	961.3	1014.4	4.1	+ 0.8	6.6	+0.1	5	31	- 39	1	141
INNSBRUCK-FLUGHAFEN	47 16 N	11 21 E	598	30	943.2	1014.2	5.2	+ 1.8	6.7	+0.4	4	19	- 38	1	137
KLAGENFURT-FLUGHAFEN	46 39 N	14 21 E	452	30	962.9	1018.3	1.8	- 0.5	6.4	-0.1	5	22	- 51	1	119
GRAZ-THALERHOF-FLUGHAFEN	47 00 N	15 27 E	347	30	975.5	1017.8	3.3	0.0	7.3	+0.7	6	38	- 19	2	127
SONNBLICK	47 03 N	12 57 E	3107	30	691.8	3011 Z	- 4.8	+ 3.5	2.3	+0.2	9	38	- 41	1	153
CZECHOSLOVAKIA															
CHEB	50 05 N	12 24 E	471	30	957.4	1014.6	3.0	+ 0.5	6.9	+0.3	5	27	+ 10	3	63
PRAHA/RUZYNE	50 06 N	14 17 E	381	30	970.4	1015.5	3.7	+ 0.6	7.0	+0.2	5	17	- 9	2	117
LIBUS	50 00 N	14 27 E	305	30	978.3	1015.4	4.7		6.9		5	23			
BRNO/TURANY	49 09 N	16 42 E	246	30	987.1	1017.4	4.7	+ 0.7	7.1	-1.9	7	55	+ 16	4	113
OSTRAVA/MOSNOV	49 47 N	18 62 E	256	30	985.6	1017.2	3.6	+ 0.2	6.6	-0.2	6	40	- 1	3	154
SLIAC	48 38 N	19 09 E	318	30	980.2	1019.2	3.6	+ 0.2	6.7	-0.1	8	54	- 15	2	120
POPRAD/TATRY	49 04 N	20 15 E	709	30	934.2		1.5	+ 0.2	5.7	0.0	6	40	+ 8	2	115
POPRAD/GANOVCE	49 02 N	20 19 E	706			U									
HUNGARY															
MISKOLC	48 08 N	20 48 E	120	30	1004.2	1019.6	4.0	+ 0.1	7.0	-0.5	7	38	- 17	2	
BUDAPEST/METEOROLOGIA	47 31 N	19 02 E	130	30	1002.9	1018.9	6.1	+ 0.5	8.1	+0.4	7	62	- 7	3	93
BUDAPEST/LORINC	47 26 N	19 11 E	140	30	1001.3	1018.7	5.0	0.0	7.7	0.0	6	56	- 11	3	103
DEBRECEN	47 29 N	21 38 E	114	30	1004.6	1019.2	4.9	- 0.3	7.4	-0.3	9	46	- 5	2	122
PECS	46 00 N	18 14 E	202	30	993.1	1018.0	5.2	+ 0.1	8.1	+0.4	5	34	- 38	1	117
SZEGED	46 15 N	20 06 E	84	30	1008.6	1019.0	5.7	+ 0.2	7.8	-0.3	9	29	- 29	2	122
POLAND															
SZCZECIN-DABIE	53 24 N	14 37 E	7	30	1013.9	1014.3	3.7	- 0.6	7.0	-0.4	6	32	+ 2		
KOSZALIN	54 12 N	16 11 E	34			U									

SURFACE DATA

NOVEMBER 1984

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE: MEAN STATION	PRESSURE: MEAN SEA LEVEL	TEMPERATURE: MEAN	TEMPERATURE: DEPARTURE	VAPOR PRESSURE: MEAN	VAPOR PRESSURE: DEPARTURE	PRECIPITATION: NO. OF DAYS ≥ MM.	PRECIPITATION: TOTAL	PRECIPITATION: DEPARTURE	PRECIPITATION: QUINTILE	SUNSHINE: PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
POLAND															
GDANSK-SWIBNO	54 20 N	18 56 E	9	30	1016.4	1017.4	2.2	- 1.8	6.7	-0.4	9	15	- 14		
POZNAN-LAWICA	52 25 N	16 50 E	92	30	1005.4	1015.9	3.0	- 0.4	6.6	-0.5	5	34	+ 7		
LEGIONOWO	52 24 N	20 58 E	104			U									
WARSZAWA-OKECIE	52 09 N	20 59 E	107	30	1005.9	1019.3	2.1	- 0.9	6.5	-0.3	3	28	- 3		
BIALYSTOK	53 06 N	23 10 E	151	30	1001.5	1020.5	0.8	- 1.2	6.0	-0.4	3	29	- 6		173
WROCLAW II-STRACHOWICE	51 06 N	16 53 E	124	30	1001.1	1016.2	3.2	- 0.8	6.7	-0.4	4	23	- 5		143
WROCLAW I-MALY GADOW	51 08 N	16 59 E	119			U									
KRAKOW/BALICE	50 05 N	19 48 E	237	30	988.9	1018.5	2.1	- 1.1	6.4	-0.5	7	25	- 9		156
PRZEMYSL	49 48 N	22 46 E	280	30	985.7	1020.6	2.1	- 1.2	6.3	-0.4	6	17	- 27		
GIBRALTAR															
NORTH FRONT	36 09 N	05 21 W	3	30	1014.6	1015.0	16.5	+ 0.3	14.2	-0.2	13	153	+ 9	4	94
PORTUGAL															
LAJES /ACORES/	38 45 N	27 05 W	54			U									
HORTA/ACORES	38 51 N	28 38	62	30	1010.4	1017.8	16.1	- 0.8	13.2	-2.0	11	160	+ 51	5	88
PONTA DELGADA/ACORES	37 45 N	25 40 W	36	30	1013.8	1018.1	16.4	- 0.4	13.9	-1.4	16	89	- 37	2	109
SANTA MARIA /ACORES/	36 58 N	25 10 W	100	30	1006.6	1016.8	16.8	- 0.6			9	42	- 50		
PORTO/SERRA DO PILAR	41 08 N	08 36 W	100	30	1005.8	1017.9	12.1	- 0.1	12.0	+0.6	22	394	+246	5	52
LISBOA	38 43 N	09 09 W	95	30	1002.6	1013.9	14.8	+ 0.4	13.5	+0.9	15	135	+ 42	4	64
LISBOA/GAGO CONTINHO	38 46 N	09 08 W	104			U									
CAPE VERDE															
SAL	16 44 N	22 57 W	55		1008.4	1014.9	23.8		21.3			2		4	80
MADEIRA															
FUNCHAL	38 38 N	16 54 W	56	30	1010.6	1017.2	18.8	+ 0.2	14.7	-0.3	6	66	- 31	3	
SPAIN															
LA CORUNA	43 22 N	08 25 W	67	30	1001.3	1009.1	12.8	+ 0.4	11.1	-0.5	20	185	+ 60	5	75
VALLADOLID	41 39 N	04 43 W	715	30	931.0	1011.7	8.4	+ 0.8	10.2	+2.3	15	166	+122	6	60
ZARAGOZA	41 39 N	00 53 W	233	30	985.3	1011.7	11.7	+ 1.5	10.8	+1.7	10	94	+ 66	5	
MADRID/BARAJAS	40 28 N	03 34 W	606			U									
MADRID/RETIRO	40 24 N	03 41 W	657	30	936.7	1014.3	9.6	+ 0.7	9.6	+0.8	15	161	+114	6	60
BADAJOZ	38 53 N	06 58 W	195	30	991.7	1014.8	13.3	+ 0.7	13.1	+1.8	14	104	+ 43	5	70
SEVILLA/TABLADA	37 22 N	06 00 W	13	30	1013.3	1015.0	15.0	+ 0.5	13.7	+0.8	14	181	+113	5	70
ALICANTE	38 22 N	00 30 W	82	30	1003.2	1012.8	16.3	+ 1.2	9.1	-2.5	25	98	+ 63	5	80
BARCELONA	41 24 N	02 09 E	95	30	990.3	1011.1	14.4	+ 0.9	12.1	+0.4	11	105	+ 51	5	
PALMA DE MALLORCA	39 34 N	02 39 E	17	30	1011.8	1012.4	16.5	+ 2.2	13.9	+0.7	8	68	+ 8	4	85
PALMA/SON BONET	39 36 N	02 42 E	45			U									
MAHON, MENORCA/SAN LUIS	39 52 N	04 16 E	59	30	1002.5	1012.3	15.4	+ 1.4	0.7	+1.5	8	44	- 48	2	105
ITALY															
UDINE/CAMPOFORMIDO	46 02 N	13 11 E	94			U									
MALTA															
GRENDI	35 50 N	14 26 E	136			U									
YUGOSLAVIA															
ZAGREB/GRIC	45 49 N	15 59 E	163	30	998.0	1018.0	6.9	+ 0.3	8.1		6	59	- 30	2	148
ZAGREB/MAKSIMIR	45 49 N	16 02 E	128			U									
BEOGRAD	44 48 N	20 28 E	132	30	1002.0	1018.1	7.0	+ 0.2	7.8		7	60	- 1	3	140
BEOGRAD/ZELENO BRDO	44 47 N	20 32 E	243			U									
SARAJEVO	43 52 N	18 26 E	637	30	942.5	1018.5	6.2	+ 0.6	7.1		5	46	- 48	1	169
SPLIT/MARJAN	43 31 N	16 26 E	128	30	1000.1	1015.0	13.5	+ 1.1	10.0		8	141	+ 26		
TITOGRAD/GOLUBOVCI	42 22 N	19 15 E	33	30	1010.4	1016.8	11.0	- 0.2	10.1		10	259	+ 35	4	131
SKOPJE-PETROVAC	41 57 N	21 38 E	233	30	990.2	1019.6	6.8	- 0.6	7.7		2	36	- 16	3	
BULGARIA															
LOM	43 49 N	23 14 E	33		1017.5	1021.8	5.3		7.9		6	34		1	
SOFIA OBS.	42 49 N	23 23 E	588		949.4	1021.2	5.5		7.0		5	20		1	
VARNA	43 12 N	27 55 E	41		1015.6	1020.6	9.0		9.5		10	101		5	
BOURGAS	42 99 N	27 29 E	28		1017.2	1020.7	9.2		9.6		9	91		4	
GREECE															
ATHENS/HELLINIKON	37 54 N	23 44 E	15			U									
ROMANIA															
BUCURESTI/IMH	44 30 N	26 08 E	95			U									
CONSTANTA	44 13 N	28 38 E	32			U									
CYPRUS															
EPISKOPI	34 41 N	32 49 E	113			U									
TURKEY															
RIZE	41 02 N	40 30 E	4	30	1018.9	1019.4	11.9	0.0	11.3	0.0	14	198	- 80	2	23
SAMSUN	41 17 N	36 20 E	44	30	1018.2	1018.6	12.2	- 0.4	11.3	+0.9	9	147	+ 62	5	26
EDIRNE	41 40 N	26 34 E	48	30	1013.3	1019.2	9.1	+ 0.1	9.4	-0.2	7	127	+ 48	5	26
ISTANBUL/GOZTEPE	40 58 N	29 05 E	40	30	1014.0	1018.8	12.1	+ 0.6	11.1	0.0	10	80	- 7	3	22
BURSA	40 11 N	29 04 E	100	30	1006.5	1018.6	11.5	+ 0.3	9.9	-0.1	13	69	- 12	3	34
CANAKKALE	40 08 N	26 24 E	3	30	1018.0	1018.3	12.4	+ 0.7	11.9	+0.9	10	74	- 13		39
IZMIR	38 26 N	27 10 E	25	30	1013.1	1016.1	14.2	+ 0.2	11.3	0.0	8	90	- 3	3	47

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUNSHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
EUROPE															
TURKEY															
ANTALYA	36 42 N	30 44 E	50	30	1010.1	1015.2	13.5	- 2.0	12.2	+10.1	13	626	+511	6	48
KASTAMONU	41 22 N	33 46 E	799	30	925.1	1018.8	5.8	+ 0.5	7.4	+0.1	7	18	- 10	2	30
ANKARA/CENTRAL	39 57 N	32 53 E	894	30	915.2	1019.3	7.3	0.0	7.2	0.0	5	22	- 8	2	41
SIVAS	39 45 N	37 01 E	1285	30	873.3	1020.3	5.1	+ 0.5	6.5	+0.4	6	14	- 26	1	31
ERZINCAN	39 44 N	39 30 E	1215	30	881.0	1020.1	5.9	0.0	6.5	0.0	3	14	- 20	1	39
ERZURUM	39 55 N	41 16 E	1869	30	812.8	1021.3	1.4	- 0.3	5.1	-0.4	5	19	- 15	2	35
MUGLA	37 12 N	28 21 E	646	30	941.3	1017.1	10.4	- 0.3	10.2	0.0	9	224	+ 99	5	42
AFYON	38 45 N	30 32 E	1034	30	899.8	1019.5	6.4	- 0.5	7.3	+0.1	9	34	- 3	3	37
ISPARTA	37 45 N	30 33 E	997	30	903.1	1018.2	6.6	- 1.3	7.4	-0.3	6	45	- 1	4	39
KONYA	37 58 N	32 33 E	1022	30	900.5	1019.2	6.8	+ 0.3	7.6	+0.7	10	31	+ T	3	31
URFA	37 08 N	38 46 E	547	30	954.5	1018.7	11.3	- 1.7	10.4	+2.0	14	88	- 1		40
MALATYA/ERHAC	38 26 N	38 05 E	849	30	906.2	1021.9	7.4	- 0.6	8.1	+0.7	9	34	- 7	3	32
DIYARBAKIR	37 53 N	40 11 E	677	30	940.8	1019.3	9.0	- 0.9	9.2	+1.3	13	81	+ 23	4	37
VAN	38 27 N	43 19 E	1661	30	835.4	1020.6	4.3	+ 0.1	5.5	-0.5	14	74	+ 26		37
USSR															
MURMANSK	68 58 N	33 03 E	46		1009.9	1016.4	- 6.0		3.6		4	17		2	
KANIN NOS	68 39 N	43 18 E			1012.6	1019.0	- 4.4		3.9		3	35		3	
ARKHANGELSK	64 35 N	40 30 E	13		1017.9	1019.0	- 6.4		3.8		13	45		5	80
REBOLY	63 49 N	30 49 E	181		995.6	1018.7	- 3.3		4.6		8	19			55
VYTEGRA	61 01 N	36 27 E	59		1013.7	1021.0	- 3.8		4.5		7	18		1	145
LENINGRAD /TOWN/VILLE/	59 58 N	30 18 E	4		1020.0	1020.8	- 1.5		5.4		7	28			80
TALLIN	59 25 N	24 48 E	44		1014.8	1019.1	1.2		6.8		7	29		2	
KAUNAS	54 53 N	23 53 E	75		1002.0	1011.6	7.2		9.2		10	67			150
MINSK	53 52 N	27 32 E	234		993.4	1022.6	- 0.6		5.5		7	35		3	
VELIKIE LUKI	56 23 N	30 36 E	98		1009.2	1022.4	- 1.1		5.2		8	24			100
VOLOGDA	59 17 N	39 52 E	118		1005.3	1022.1	- 4.9		4.4		7	26		2	65
KIROV	58 39 N	49 37 E	164		1000.2	1021.2	- 6.9		3.7		8	35		4	130
MOSKVA	55 45 N	37 34 E	156		1004.1	1024.1	- 3.5		4.5		6	28			
KAZAN	55 47 N	49 11 E	64		1006.8	1022.3	- 5.3		4.1		8	41		4	105
VORONEZ	51 42 N	39 10 E	164		1005.1	1024.1	- 1.8		5.2		8	40		4	60
SARATOV	51 34 N	46 02 E	156		998.4	1024.2	- 3.2		4.5		6	31		3	95
LVOV	49 49 N	23 57 E	325		981.1	1020.7	1.7		6.0		7	24			
KIEV	50 24 N	30 27 E	179		1002.2	1023.2	0.5		5.4		4	30			
HAR KOV	49 56 N	36 17 E	152		1004.2	1023.5	- 0.3		5.5		5	20		2	80
ODESSA	46 29 N	30 38 E	64		1016.4	1021.7	4.3		7.1		7	50		5	30
SIMFEROPOL	45 01 N	33 59 E	205		997.8	1020.1	5.2		7.8		8	74			80
ROSTOV-NA-DONU	47 15 N	39 49 E	77		1016.9	1025.4	2.6		6.5		12	42		2	85
ASTRAHAN	46 16 N	48 02 E	18		1026.3	1023.7	1.8		5.9		3	8		3	
PJATIGORSK	44 03 N	43 02 E			956.5	1021.9	2.4		5.6		9	39		4	
TBILISI	41 41 N	44 57 E	490		970.0	1021.5	8.2		8.4		6	16		2	35
AFRICA															
MOROCCO															
KENITRA II	34 18 N	06 36 W	12			U									
CASABLANCA	33 34 N	07 40 W	58		1008.7	1015.5	15.8		15.8		10	167		5	
AGADIR	30 23 N	09 34 W	19		1014.2	1016.9	17.3		14.0		7	81		5	100
MEKNES	33 53 N	05 32 W	549		952.7	1016.4	14.1		11.9		10	97		4	90
MARRAKECH	31 37 N	08 02 W	466		962.5	1016.6	15.0		10.5		7	59		5	105
OUARZAZATE	30 56 N	06 54 W	1136		889.6	1520 Y	13.0		6.5		2	22		4	80
SPANISH CANARY IS															
LAS PALMAS/GANDO	27 56 N	15 23 W	25		1012.0	1017.0	20.4		15.6		12	30		4	120
ALGERIA															
ORAN ES SENIA	35 37 N	00 36 W	94		1003.6	1016.8	14.9		13.2		8	143		6	55
ALGER/DAR EL BEIDA	36 43 N	03 15 E	25		1012.5	1016.1	12.1				8	41		2	55
BEJAIA	36 43 N	05 04 E	3		1013.7	1014.1	16.7		13.1		2	6			
SKIKDA	36 52 N	06 57 E	9		1013.5	1014.6	17.3		12.9		5	27			
ANNABA	36 50 N	07 49 E	4		1014.2	1014.7	16.2		13.0		7	68		2	130
MILIANA	36 18 N	02 14 E	722		932.5	1015.0	13.4		10.2		9	93			50
CONSTANTINE	36 17 N	06 37 E	697		935.9	1016.0	11.9		9.0		2	6			
BORDJ BOU ARRERIDJ	36 04 N	04 46 E	928		910.5		10.1		8.8		7	23			
BISKRA	34 48 N	05 44 E	88		1005.7	1016.2	16.2		9.9		2	19			
D JELFA	34 40 N	03 15 E	1178		886.9	1494 Y	9.9		7.8		7	297			
ELBAYADH	33 41 N	01 01 E			865.7	1499 Y	9.7		6.8		4	36			65
EL OUED-GUEMAR	33 30 N	06 47 E	63		1016.4	1018.0	10.5				2	5			60
BECHAR	31 37 N	02 14 W	786		924.2	1508 Y	14.7		7.3		1	15		4	
GHARDAIA-NOUMERPATE	32 23 N	03 49 E	442		963.2	1017.5	15.9		6.7		2	10		1	80
HASSI-MESSOUD/OUED IRARA	31 40 N	06 09 E	143		999.8	1016.9	16.5		9.2		1	2			
EL GOLEA	30 34 N	02 52 E	398		970.3	1016.9	14.7		7.9		1	4			80
TIMIMOUN	29 15 N	01 07 E	313		979.6	1016.2	16.6		7.4						85
IN AMENAS	28 03 N	09 38 E	562		952.6	1017.1	16.5		8.6		1	8			85
TAMANRASSET	22 47 N	05 31 E	1378		866.0	1538 Y	18.1		4.9		0	T		4	115
DJANET	24 33 N	09 28 E	1054		899.4	1536 Y	19.4		6.6		0	0			95
TUNISIA															
TUNIS CARTHAGE	36 50 N	10 14 E	4		1014.3	1014.7	17.1		13.7		4	35		2	90
TOZEUR	33 55 N	08 10 E	51			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		%
AFRICA															
LIBYAN ARAB REP															
TRIPOLI INTL. AP	32 41 N	13 10 E	84	30	1006.8	1016.2	17.2		13.2		4	59			85
BENINA	32 05 N	20 16 E	132	30	1001.5	1017.0	18.3		15.2		6	30			97
KUFRA	24 13 N	23 18 E	408	30	970.7	1017.8	18.5		7.1		0	0			98
EGYPT															
MERSA MATRUH	31 20 N	27 13 E	30		1013.1	1016.7	18.5		15.3		2	10			95
CAIRO	30 08 N	31 34 E	74		1007.8	1016.7	19.1		12.7		1	5		5	
HELWAN	29 52 N	31 20 E	141		999.8	1016.6	18.5		12.2		1	57		5	100
DAKHLA	25 29 N	29 00 E	112		1003.9	1017.1	19.0		8.3		0	0		5	
ASSWAN	23 58 N	32 47 E	194		992.7	1015.3	20.4				0	0			
SUDAN															
DONGOLA	19 10 N	30 29 E	226	30	986.7	1012.0	22.2	+ 1.7	7.9	+2.8	0	T		5	
PORT SUDAN	19 35 N	37 13 E	2	30	1011.5	1011.8	27.3	+ 0.1	25.3	+2.5	2	6		4	
KHARTOUM	15 36 N	32 33 E	380	30	964.5	1007.9	27.5	+ 0.6	7.9	+3.2	0	0		5	
EL OBEID	13 10 N	30 14 E	574	30	946.1	1010.2	25.2	+ 0.8	7.8	+0.8	0	0		5	
DAMAZINE	11 47 N	34 23 E	470	30	954.3	1006.3	28.3	- 0.7	11.9	+2.6	0	0		4	
WAU	07 42 N	28 01 E	438	30	958.1	1007.9	27.1	+ 0.4	17.5	+1.1	2	24		2	
JUBA	04 52 N	31 36 E	457	30	956.9	1007.7	26.9	+ 0.5	22.3	+0.4	9	42		2	
MAURITANIA															
NOUADHIBOU	20 56 N	17 02 W	3		1015.5	1016.0	20.6		16.6		0	T		3	
NOUAKCHOTT	18 06 N	15 57 W	3		1013.5	1013.9	24.7		14.2		0	0			
BIR MOGHREIN	25 14 N	11 37 W	360		974.5	1015.7	20.0		15.7		0	0			
ZOUERATE	22 45 N	12 29 W	343		976.7	1015.9	21.0		12.0		0	0			
ATAR	20 31 N	13 04 W	224		989.3	1014.8	24.3		8.0		1	2			
BOUTILIMIT	17 32 N	14 41 W	75		1005.3	1013.9	26.6		9.5		11	11			
TIDJIKJA	18 34 N	11 26 W	402			1014.1	25.1		9.5		0	0			
KIFFA	16 38 N	11 24 W	115		908.9	1012.0	27.3		8.7						
AIOUN EL ATROUSS	16 42 N	09 36 W	223		986.9	1012.1	26.7		7.5		1	3			
NEMA	16 36 N	07 16 W	269				27.8		14.2		0	0			
SENEGAL															
SAINT-LOUIS	16 03 N	16 27 W	4		1012.2	1012.7	25.2		17.7		0	0		4	
DAKAR/YOFF	14 44 N	17 30 W	24		1009.3	1012.6	25.1		22.8		0	0		4	
DIOURBEL	14 39 N	16 14 W	9		1010.7	1011.7	27.7		16.0		0	0		1	
KAOLACK	14 08 N	16 04 W	7		1011.8	1012.5	28.1		16.7		0	T		3	
ZIGUINCHOR	12 33 N	16 16 W	23		1009.0	1011.6	25.7		22.3		1	4		2	
PODOR	16 38 N	14 56 W	7		1012.7	1013.5	27.9		12.0		1	3		5	
LINGUERE	15 23 N	15 07 W	21		1009.6	1011.9	28.5		13.2		0	1			
TAMBACOUNDA	13 46 N	13 41 W	50		1005.5	1011.2	27.9		14.3		0	T		4	
KOLDA	12 53 N	14 58 W	10				24.8		20.2		1	5		4	
MALI															
KIDAL	18 26 N	01 21 E	459		951.2	1011.8	26.4				0	0		5	95
NIGER															
BILMA	18 41 N	12 55 E	357		973.0	1013.3	22.3		7.0		0	0		5	95
AGADEZ	16 58 N	07 59 E	503		953.5	1011.5	25.4		5.2		0	0		5	100
N GUIGMI	14 15 N	13 07 E	286		978.6	1010.8	26.1		7.8		0	0		5	95
MAINE-SOROA	13 14 N	11 59 E	339		972.9	1010.6	26.5		6.7		0	0		5	100
ZINDER-AERO	13 47 N	08 59 E	453		960.8	1011.1	26.6		6.5		0	0		5	95
MAGARIA	12 59 N	08 56 E	403		967.1	1012.4	24.1		8.5		0	0		5	55
MARADI	13 28 N	07 05 E	369		969.0	1010.5	26.6		7.3		0	0		5	55
BIRNI-N KONNI	13 48 N	05 15 E	274		979.7	1010.0	28.1		9.3		0	0		5	95
TAHOUA	14 54 N	05 15 E	387		967.4	1010.8	27.8		5.3		0	0		5	100
TILLABERY	14 12 N	01 27 E	210		986.1	1009.5	29.3		10.1		0	0		5	90
NIAMEY-AERO	13 29 N	02 10 E	234		984.5	1009.8	29.0		10.8		0	0		5	95
GAYA	11 53 N	03 27 E	203		906.3	1008.8	29.3		12.6		0	0		5	95
GAMBIA															
BATHURST/YUNDUM	13 21 N	16 40 W	26		1008.1	1011.6	26.1		20.2		0	0			
LIBERIA															
ROBERTS FIELD	06 15 N	10 21 W	12	30	1009.9	1010.9	26.5	+ 0.5	29.6	+0.7	11	96	- 56		
IVORY COAST															
ODIENNE	09 30 N	07 34 W	434		963.1	1009.8	25.2		21.4		0	0			
KORHOGO	09 25 N	05 37 W	382		967.5	1009.8	26.7		21.1		4	30			
MAN	07 23 N	07 31 W	340				24.6		26.4		3	23			
BOUAKE	07 44 N	05 04 W	376		969.9	1010.4	25.9		25.8		2	3			
BONDOUKOU	08 03 N	02 47 W	371		963.4	1009.9	26.1		26.8						
DALOA	06 52 N	06 28 W	276		980.1	1010.9	25.9		27.2		1	16			
DIMBOKRO	06 39 N	04 42 W	92		1000.4	1010.7	27.1		28.7		2	12			
SAN PEDRO	04 45 N	06 49 W	31		1007.1	1010.5	26.4		29.5		5	15			
SASSANDRA	04 57 N	06 05 W	66				26.3		29.7		5	82			
ABIDJAN	05 15 N	03 56 W	11		1009.6	1010.2	27.9		30.4		8	61			
ADIAKE	05 18 N	03 18 W	40		1007.6	1012.1	26.8		29.7		4	49			
UPPER VOLTA															
DORI	14 02 N	00 03 E	275		979.5	1010.4	28.4		11.3		0	0		5	
OUAHIGOUYA	13 35 N	02 26 W	324		972.7	1009.9	29.1		9.7		1	2		4	

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
AFRICA															
UPPER VOLTA															
OUAGADOUGOU	12 21 N	01 31 W	304		975.8	1009.8	28.6		14.3		2	2		4	90
FADA N GOURMA	12 04 N	00 21 E	309		975.6	1010.0	28.4		14.3		0	4		4	
BOROMO	11 40 N	02 55 W	271		979.8	1010.0	27.7		15.5		1	21		5	
BOBO-DIOULASSO	11 10 N	04 18 W	467		959.4	1010.2	27.1		15.5		1	67		5	
GAOUA	10 20 N	03 11 W	333		972.8	1009.9	27.9		17.9		2	5		2	
BENIN															
KANDI	11 08 N	02 56 E	292	30	977.5	1010.1	26.0	- 0.4	15.4	-1.2	0	0	- 1	5	
NA TITINGOU	10 19 N	01 23 E	461	30	959.6	1010.2	26.2	0.0	16.5	-1.1	0	0	- 18	2	
PARAKOU	09 21 N	02 37 E	393	30	1007.0	1010.2	26.8	- 0.6	19.7	+1.0	0	0	- 8	3	
SAVE	07 59 N	02 26 E	200	30	988.1	1010.5	27.2	- 0.5	24.8	-0.2	0	0	- 27	2	
BOHICON	07 10 N	02 04 E	167	30	992.0	1010.8	27.4	- 0.6	28.9	+2.0	1	20	- 13	2	
COTONOU	06 21 N	02 23 E	6	30	1009.7	1010.7	27.9	+ 0.5	31.1	+0.9	3	34	- 14	3	
TOGO															
DAPON	10 52 N	00 15 E	330		973.0	1009.9	29.0		16.0		1	6			
MANGO	10 22 N	00 28 E	146		993.1	1009.4	28.5		27.0		0	T		3	
SOKODE	08 59 N	01 08 E	403		966.6	1010.4	25.7		20.6		1	3		2	
ATAKPAME	07 35 N	01 07 E	402		966.0	1010.2	26.3		23.9		1	1		1	
TABLIGBO	06 35 N	01 30 E	52		1005.7	1010.8	27.1		29.5		1	12		1	
LOME	06 10 N	01 15 E	25		1008.1	1010.9	27.7		31.1		1	2		1	110
UNITED REP OF CAMEROON															
DOUALA R.S.	04 01 N	09 42 E	15			U									
CENTRAL AFRICAN REP															
BIRAO	10 17 N	22 47 E	464	30	957.3	1008.4	25.5		10.4		0	0			
N DELE	08 24 N	20 39 E	510	30	952.0	1008.3	25.8		18.5		1	7		3	
BRIA	06 32 N	21 59 E	584	30	945.1	1009.2	23.1		22.1		5	19			
YALINGA	06 30 N	23 16 E	602	30	942.6	1008.6	22.4		20.4		3	15			
BAMBARI	05 51 N	20 39 E	475	30	956.7	1009.0	24.2		23.0		1	2			
ALINDAO	05 03 N	21 12 E	449	30	959.3	1008.8	24.2		23.8		5	84			
BANGASSOU	04 44 N	22 50 E	500	30	954.0	1008.8	24.5		24.1		6	34		1	
OBO	05 24 N	26 30 E	651	30	937.8	1008.5	24.0		21.8		8	65			
BOSSANGOA	06 29 N	17 26 E	465	30	957.4	1009.5	24.6		22.7		1	1		1	93
BOUAR	05 58 N	15 38 E	1020	30	899.3	1497 Y	22.5		19.1		3	2			
BOSSEMBELE	05 16 N	17 38 E	674	30	935.3	1008.6	23.6		23.7		8	72			
BERBERATI	04 13 N	15 47 E	583	30	945.2	1009.8	23.1		23.5		7	35			86
BANGUI	04 24 N	18 31 E	366	30	968.7	1009.6	24.9		26.4		5	31		1	94
KENYA															
MOYALE	03 32 N	39 03 E	1113	30			21.7	- 0.6	20.4	+1.6	15	97	+ 18	4	
ELDORET	00 32 N	35 17 E	2120	30	789.5	1484 Y	17.0		11.9		5	79	+ 25	5	109
NAIROBI AIRPORT	01 19 S	36 55 E	1624	30	839.6	1515 Y	18.6	- 0.6	16.2	-0.4	10	134	- 18		98
GARISSA	00 28 S	39 38 E	138	30	994.3	1011.0	27.7	- 1.1	26.8	+1.6	13	226	+162	6	
MALINDI	03 14 S	40 06 E	23	30	1008.6	1010.1	26.6	+ 1.1	29.0	+0.2	4	80	+ 50	5	107
UNITED REP OF TANZANIA															
SONGEA	10 41 S	35 35 E	1067		897.6	1535 Y	20.5		19.9			5		1	
MTWARA	10 16 S	40 11 E	113		999.1	1011.9	26.4		27.1			208		2	
DAR ES SALAAM AIRPORT	06 53 S	39 12 E	58		1006.3	1013.0	24.4		29.0		22	441		6	
MWANZA	02 28 S	32 55 E	1140		886.2	1500 Y	22.4								
ETHIOPIA															
ASMARA	15 17 N	38 55 E	2325	30	772.0		13.4		10.2		1	2			95
GONDER	12 32 N	37 26 E	1966	30	804.7		19.9		9.3		4	25			
COMBOLCHA	11 05 N	39 43 E	1916	30	816.4		15.7		12.1		1	50			102
ADDIS ABABA	08 59 N	38 48 E	2408	30	768.9		15.9				1	4			105
DIRE DAWA	09 36 N	41 52 E	1146	30	886.4		23.4		13.2		1	7			104
GORE	08 10 N	35 33 E	1974	22			18.2		14.3		8	64			
JIMMA	07 40 N	36 50 E	1577	30	830.2		19.0		15.2		15	138			103
BURUNDI															
BEYUMBURA	03 19 S	29 19 E	783		922.1	1490 Y	22.8	+ 0.1	21.1	-0.5	16	108	+ 2	3	95
ZIMBABWE															
SALISBURY/BELVEDERE	17 50 S	31 01 E	1472			U									
DJIBOUTI															
DJIBOUTI	11 33 N	43 09 E	19			1013.3	26.0		22.2		1	2			110
ZAMBIA															
KASAMA	10 13 S	31 08 E	1384		862.5	1507 Y	21.1		17.0		13	271		5	100
KABWE	14 25 S	28 29 E	1207		880.0	1505 Y	22.0		17.2		13	97		3	105
LUSAKA CITY AIRPORT	15 25 S	28 19 E	1280			U									
MONGU	15 15 S	23 10 E	1053		895.9	1507 Y	23.2		17.0		14	141		4	105
LIVINGSTONE	17 49 S	25 49 E	987		902.4	1507 Y	24.5		18.2		12	88		4	100
MALAWI															
KAMUZU INT.AP	13 47 S	33 46 E	1229	30	879.3	1517 Y	21.2				11	102			
CHILEKA	15 41 S	34 58 E	767	30	926.9	1536 Y	25.8	+ 0.9	1.8		11	166	+ 81		40

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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															
SEYCHELLES															
SEYCHELLES INTERNATIONAL AP	04 40 S	55 31 E	3			U									
OCEAN ISLANDS															
AGALEGA/MAURITIUS	10 26 S	56 45 E	3		1010.4	1010.7	26.6	- 0.1	28.0	+0.3	13	337	+210	5	
ILES GLORIEUSES	11 33 S	47 17 E	3	30	1013.6	1014.1	27.2		28.3		6	72			
SERGE-FROLOW/ILE TROMELIN	15 53 S	54 31 E	8	30	1012.5	1013.9	26.2		26.2		5	14			
ST. BRANDON/ST. RAPHAEL/	16 27 S	59 37 E	4		1014.2	1014.5	25.5	- 0.4	26.3	+0.4	4	15	- 16	2	
ILE JUAN DE NOVA	17 03 S	42 43 E	9	30	1011.8	1013.0	27.1		27.3		1	13			
RODRIGUES/MAURITIUS	19 41 S	63 25 E	59		1011.7	1018.0	24.6	+ 0.4	22.3	+0.4	4	19	- 29	2	108
VACOAS/MAURITIUS	20 18 S	57 30 E	425			U									
PLAISANCE/MAURITIUS	20 26 S	57 40 E	57		1010.1	1016.4	24.4	+ 0.9	24.6	+1.5	11	68	- 12	3	97
ST. DENIS/GILLOT, REUNION	20 53 S	55 31 E	12	30	1013.5	1016.4	24.6		22.3		8	74		3	95
ILE EUROPA	22 21 S	40 21 E	7	30	1012.8	1014.3	25.4		24.6		3	7		1	90
ILE NOUVELLE-AMSTERDAM	37 48 S	77 32 E	28	30	1013.5	1017.0	13.6		13.5		14	102			
ILE CROZET	46 30 S	51 00 E		30	987.6	1005.2	4.3		7.0		21	128			
PORT-AUX-FRANCAIS/KERGUELEN	49 20 S	70 13 E	18	30	993.5	997.1	4.3		6.4		10	127			
SOUTH AFRICA															
GROOTFONTEIN	19 36 S	18 07 E	1400	30	860.0	1502 Y	24.0	+ 0.1	15.8		7	61	+ 4		103
WINDHOEK	22 34 S	17 06 E	1700	30	831.2	1505 Y	24.1	+ 1.5	8.2	0.0	3	27	- 1	4	102
J. G. STRIJDOM	22 29 S	17 28 E	1700	30	831.1	1506 Y	20.7	- 1.3	5.7		2	9	- 21		102
KEETMANSHOOP	26 34 S	18 07 E	1100	30	891.2	1514 Y	24.8	+ 1.1	8.0	-0.5	3	91	+ 81	6	101
UPINGTON	28 24 S	21 16 E	800	30	922.8	1518 Y	26.1	+ 1.5	8.9	-0.6	1	2	- 13	2	102
PIETERSBURG	23 52 S	29 27 E	1250	30	883.1	1527 Y	18.5	- 1.9	16.3	-0.4	11	130	+ 15	5	83
PRETORIA	25 44 S	28 11 E	1300	30	872.3	1522 Y	20.2	- 0.5	13.9	-1.3	9	36	- 74		88
PRETORIA/IRENE	25 55 S	28 13 E	1525			U									
JAN SMUTS	26 08 S	28 14 E	1700	30	832.6	1524 Y	17.7	0.0	12.3	-1.2	11	118	0	3	94
BLOEMFONTEIN/J.B.M. HERTZOG	29 06 S	26 18 E	1400	30	861.6	1517 Y	20.8	+ 1.1	10.2	+1.5	4	51	- 14	2	103
KIMBERLEY	28 48 S	24 46 E	1250	30	881.6	1516 Y	22.7	+ 0.6	9.8	-1.4	4	42	- 4	3	106
CAPE TOWN/D.B.MALAN	33 58 S	18 36 E	0	30	1010.4	1016.3	18.8	+ 1.0	15.6	+1.7	1	2	- 17	0	113
PORT ELIZABETH	33 59 S	25 36 E	0	30	1010.3	1017.6	18.7	+ 0.6	16.5	+0.5	9	53	- 2	3	102
EAST LONDON	33 02 S	27 50 E	0	30	1002.0	1017.0	18.5	- 0.1	16.6	-0.9	8	64	- 33	2	109
DURBAN/LOUIS BOTHA	29 58 S	30 57 E	0	30	1014.8	1016.4	21.5	+ 0.2	19.5	-0.9	11	66	- 38	2	116
GOUGH ISLAND	40 21 S	09 53 W	0	30	1008.6	1015.0	12.5	+ 0.6	12.0	+1.1	16	322	+ 71		106
MARION ISLAND	46 53 S	37 52 E	0	30	1004.7	1007.4	5.8	+ 0.7	7.4	+0.3	17	162	- 33		125
ASIA															
USSR-WESTERN															
DRUJNAYA/OSTROV HEJSA/	80 37 N	58 03 E	20		1013.2	1016.1	-14.1		2.1						
OSTROV VIZE	79 30 N	76 59 E	18		1012.2	1013.7	-17.1		1.6		3	12			
MYS CELJUSKIN	77 43 N	104 17 E	13		1012.6	1014.7	-21.3		1.1		4	12			
OSTROV DIKSON	73 30 N	80 14 E	20		1007.1	1013.6	-21.9		1.1		6	15			
MYS KAMENNYJ	68 28 N	73 36 E			1009.4	1017.7	-21.0		1.3		5	16			
HOSEDA-HARD	67 05 N	59 23 E	81		1007.3	1018.7	-18.8		1.6		10	36		4	185
NAR JAN-MAR	67 39 N	53 01 E	7		1016.9	1018.3	-14.4		2.3		7	29		3	200
SALEHARD	66 32 N	66 32 E	35		1016.1	1018.3	-22.3		1.1		2	8			45
TARKO-SALE	64 55 N	77 49 E	27		1012.0	1016.2	-26.4		0.8		11	34			50
HATANGA	71 59 N	102 28 E	24		1011.1	1015.6	-26.9		0.7		5	15			
NJAKSIMVOL	62 26 N	60 52 E	50		1014.6	1021.4	-18.9		1.6		8	35			
TURUHANSK	65 47 N	87 57 E	32		1011.1	1016.4	-26.6		0.6		10	31		5	100
ESSEJ	68 28 N	102 22 E	200		980.5	1010.8	-30.4		0.5		0	4			40
SYKTYVKAR	61 40 N	50 51 E	96		1005.2	1020.9	-11.8		2.7		13	64		5	215
HANTY-MANSIJSK	60 58 N	69 04 E	40		1013.8	1020.4	-17.9		1.6		8	34			
PODKAMENNAJA TUNGUSKA	61 36 N	90 00 E	60		1010.9	1019.0	-23.2		1.0		13	56		5	180
TURA	64 10 N	100 04 E	140		996.0	1022.4	-31.1		0.4		7	19		4	75
ERBOGACEN	61 16 N	108 01 E	278		982.4	1022.7	-26.2		0.8		9	20		1	
PERM	58 01 N	56 18 E	161		999.1	1021.6	-11.1		2.7		14	59			140
SVERDLOVSK	56 48 N	60 38 E	237		986.0	1022.8	-12.6		2.3		13	60		6	105
TOBOLSK	58 09 N	68 11 E	44		1015.3	1021.9	-16.0		1.8		3	12			
OMSK	54 56 N	73 24 E	94		1005.6	1022.1	-15.5		1.8		11	33			
KOLPASEV	58 18 N	82 54 E	76		1010.5	1020.9	-18.5		1.5		11	50		5	
ENISEJSK	58 27 N	92 09 E	78		1010.6	1021.4	-16.8		1.8		14	56		5	
KRASNOJARSK	56 00 N	92 53 E	194		985.8	1020.2	-12.6		2.2		11	72		6	
BOGUCANY	58 25 N	97 24 E	134		1003.1	1020.9	-16.1		1.6		8	38		5	
BRATSK	56 04 N	101 50 E	326		968.8	1022.4	-10.3		2.5		7	24			
KIRENSK	57 46 N	108 07 E	261		989.1	1024.1	-20.2		1.4		10	38		6	
ORENBURG	51 45 N	55 06 E	109		1008.2	1023.2	- 4.0		4.2		9	28		3	100
KUSTANAJ	53 13 N	63 37 E	171		1001.9	1022.3	- 9.7		3.0		8	24			
TURGAJ	49 38 N	63 30 E	123		1005.1	1022.8	- 4.7		4.3		7	56			
KARAGANDA	49 48 N	73 08 E	555		955.0	1024.8	- 6.8		3.0		13	60			
SEMIPALATINSK	50 21 N	80 15 E	206		1000.2	1025.5	- 7.7		3.2		10	44			
BARNAUL	53 20 N	83 42 E	196		998.9	1023.3	-11.5		2.6		14	68		5	
MINUSINSK	53 42 N	91 42 E	251		991.4	1024.1	- 8.9		2.7		4	8		4	
IRKUTSK	52 16 N	104 21 E	485		964.1	1024.3	- 9.9		2.6		5	29		5	130
UST'-BARGUIZIN	53 26 N	108 59 E	457		964.0	1023.0	- 9.5		2.9		7	24			
GUREV	47 01 N	51 51 E	-20		1026.8	1023.9	- 1.5		5.0		2	24			
FORT SEVCENKO	44 33 N	50 15 E	-20		1025.6	1022.6	5.2		7.4		2	17		5	50
SAM	45 25 N	56 12 E	82		1012.8	1024.0	0.8		5.0		3	8			
BALHAS	46 54 N	75 00 E	423		981.9	1025.7	- 2.4		2.1		5	21			
KRASNOVODSK	40 02 N	52 59 E	89		1010.3	1020.2	9.3		8.4		6	46			40
ASHABAD	37 58 N	58 20 E	230		993.5	1021.2	10.3		9.3		11	41			35

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUNSHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
ASIA															
USSR-WESTERN															
CARDZOU	39 05 N	63 36 E	193		998.4	1022.0	8.9		7.3		3	6			75
CIMBAJ	42 57 N	59 49 E	66		1015.6	1023.6	- 2.6		5.4		6	13			
TAMDY	41 44 N	64 37 E	220		994.8	1023.6	5.6		6.2		6	13			
TASKENT	41 16 N	69 16 E	428		964.7	1023.1	8.4		7.2		10	77		5	75
ALMA-ATA	43 14 N	76 56 E	847		923.7	1025.3	2.3		5.6		10	95			
USSR-EASTERN															
OSTROV KOTELNYJ	76 00 N	137 54 E	10		1019.2	1020.3	-21.9		1.0		0	3			
COKURDAH	70 37 N	147 53 E	48		1009.4	1017.7	-21.0		1.3		5	16			
OSTROV CETYREHSTOLBOVOJ	70 38 N	162 24 E	6		1010.7	1016.2	-15.4		1.9		2	8			
MYS SMIDTA	68 55 N	179 29 W	7		1013.4	1014.0	-10.8		2.7		19	42			
MYS UZLEN	66 10 N	169 50 W	7		1002.5	1003.4	- 7.2		3.2		8	23			
ANADYR	64 47 N	177 34 E	62		996.6	1005.6	-11.4		2.7		4	12		2	20
KORF	60 21 N	166 00 E	3		996.2	996.7	- 7.4		3.1		6	35		5	
OSTROV BERINGA NIKOLSKOE	55 12 N	165 59 E	6		989.4	991.2	1.0		5.5		17	91		4	150
PETROPAVLOVSK/KAMCATSKIJ	52 58 N	158 45 E	7		992.6	995.6	- 1.0		3.9		7	118		3	95
ICA	55 42 N	155 38 E	4		996.3	997.2	- 2.3		4.1		18	28		2	105
OHOTSK	59 22 N	143 12 E	6		1004.9	1005.6	-13.9		1.3		2	5		2	
AJAN	56 27 N	138 09 E	9		1010.1	1011.3	-13.2		1.0		0	0			155
NIKOLAEVSK NA AMURE	53 09 N	140 42 E	47		1004.5	1010.6	-12.8		1.8		7	23		2	
SIMUSIR	46 51 N	151 52 E	26		1004.8	1008.0	0.8		4.9		18	140			
JUZNO-SAHALINSK	46 55 N	142 44 E	31		1009.8	1012.8	- 4.2		3.7		8	54			
VLADIVOSTOK	43 07 N	131 54 E	138		998.8	1026.4	- 0.4		3.7		0	0			
OLENEK	68 30 N	112 26 E	127		988.7	1019.4	-31.1		0.4		4	14		4	30
DZARDZAN	68 44 N	124 00 E	47		1008.5	1018.5	-29.7		3.8		5	15			
VERHOJANSK	67 33 N	133 23 E	137		1001.6	1021.4	-34.8		0.3		1	8		3	90
ZYRJANKA	65 44 N	150 54 E	43		1009.9	1015.9	-23.2		1.1		12	48		5	
UST -OLOJ	66 33 N	159 25 E	125		996.3	1013.7	-24.6		1.1		10	22		3	
ILIRNEJ	67 20 N	168 14 E	426		967.2	1016.1	-28.4		1.1		5	17		4	
OJMJAKON	63 16 N	143 09 E	726		922.2	1024.9	-35.0		0.3		6	14		3	45
SEJMCAN	62 55 N	152 25 E	207		985.8	1014.7	-23.6		1.0		11	24		4	50
KAMENSKOE	62 29 N	166 13 E	106		999.8	1001.5	-13.5		3.8		7	46		1	75
VILJUJSK	63 46 N	121 37 E	107		1007.7	1019.9	-30.7		0.6		6	14		4	70
SUNTAR	62 09 N	117 39 E	124		1003.1	1021.8	-26.4		0.7		2	12		2	70
JAKUTSK	62 05 N	129 45 E	103		1007.2	1021.6	-30.0		0.5		1	7		2	120
ALDAN	58 37 N	125 22 E	682		933.8	1023.8	-21.5		0.9		11	29		4	135
BOGDARIN	54 28 N	113 35 E	917		909.7	1026.4	-19.7		1.4		1	3		2	
CITA	52 01 N	113 20 E	685		939.2	1026.2	-16.2		1.5		3	17		5	115
MOGOCA	53 44 N	119 47 E	619		942.5	1025.3	-21.5		1.1		3	10		3	110
KALAKAN	55 07 N	116 45 E	607		945.7	1028.8	-26.0		0.7		1	2		1	
BOMNAK	54 43 N	128 56 E	357		973.2	1019.7	-18.9		1.1		1	4			110
IM. POLINY OSIPENKO	52 25 N	136 30 E	65		1004.7	1014.5	-17.8		1.3			24		4	
BLAGOVESCENSK	50 16 N	127 30 E	137		1002.6	1019.9	-10.4		6.1		3	8		2	
HABAROVSK	48 31 N	135 10 E	72		1004.8	1016.6	- 8.1		2.4		5	13		2	110
HONG KONG															
ROYAL OBSERVATORY	22 18 N	114 10 E	33	30	1010.5	1017.8	22.3	+ 1.0	19.2	+1.5	2	5	- 30	2	98
KINGS PARK	22 19 N	114 10 E	66			U									
DEM PEOPLE'S REP OF KOREA															
CHUN GGANG	41 47 N	126 53 E	332		984.9	1026.2	- 3.0		4.0		8	20		2	
HYESAN	41 24 N	128 10 E	714		938.1	1017.0	- 4.4		3.4		5	85			
SINUIJU	40 06 N	124 23 E	7		1024.1	1025.0	4.2		5.9		3	14		2	
WONSAN	39 11 N	127 26 E	36		1019.0	1023.5	8.0		6.4		3	56		5	
PYONGYANG	39 02 N	125 47 E	38		1020.0	1024.8	5.3		7.0		7	21		1	
HAEJU	38 02 N	125 42 E	81		1014.3	1024.3	7.5		7.4		3	3		1	
REPUBLIC OF KOREA															
KANGNUNG	37 45 N	128 54 E	27	30	1019.6	1022.7	10.2	+ 1.4	7.4	+0.1	7	112	+ 28	4	93
INCHON	37 29 N	126 38 E	70	30	1015.7	1024.3	8.4	+ 1.3	8.1	+0.9	4	34	- 8	3	105
PUSAN	35 06 N	129 02 E	71	30	1013.7	1022.2	12.3	+ 1.2	8.9	+0.6	5	57	- 7	4	111
MOKPO	34 47 N	126 23 E	56	30	1016.8	1023.7	10.8	+ 0.6	9.5	+0.5	3	46	- 6	3	124
JAPAN															
WAKKANAI	45 25 N	141 41 E	11	30	1013.0	1014.4	2.3	- 0.9	5.0	-0.4	16	90	- 35	1	141
ASAHIKAWA	43 46 N	142 22 E	116	30	1002.4	1017.0	1.0	- 0.5	5.2	-0.4	16	128	+ 12	4	139
ABASHIRI	44 01 N	144 17 E	39	30	1009.8	1015.1	2.2	- 0.8	4.7	-0.9	6	17	- 46	1	130
SAPPORO	43 03 N	141 20 E	19	30	1015.4	1017.7	3.7	- 0.3	5.1	-0.8	9	43	- 61	1	128
NEMURO	43 20 N	145 35 E	26	30	1012.0	1015.3	3.9	- 0.8	5.5	-0.9	2	2	- 79	0	128
URAKAWA	42 10 N	142 47 E	34	30	1013.7	1017.8	4.4	- 1.0	5.7	-0.7	5	10	- 82	0	109
AKITA	39 43 N	140 06 E	10	30	1020.2	1021.5	6.7	- 0.6	7.0	-0.8	16	123	- 53	2	114
MIYAKO	39 39 N	141 58 E	47	30	1014.0	1019.8	6.8	- 0.9	6.0	-1.3	2	24	- 63	1	124
SENDAI	38 16 N	140 54 E	40	30	1015.7	1021.1	8.0	- 0.7	6.9	-1.1	3	31	- 38	2	115
WAJIMA	37 23 N	136 54 E	6	30	1021.2	1022.0	9.7	- 0.5	9.0	-0.8	11	187	- 43	2	120
NIIGATA	37 55 N	139 03 E	6	30	1021.3	1022.1	9.3	- 0.6	8.4	-0.9	11	126	- 63	1	117
KANAZAWA	36 33 N	136 39 E	28	30	1018.5	1021.8	10.9	+ 0.1	9.1	-0.8	9	204	- 31	2	127
MATSUMOTO	36 15 N	137 58 E	611	30	949.2	1022.0	6.4	- 0.4	6.8	-0.4	5	42	- 9	2	100
MAEBASHI	36 24 N	139 04 E	113	30	1007.3	1021.1	9.7	- 0.6	7.3	-0.9	3	25	- 20	2	111
NAGOYA	35 10 N	136 58 E	56	30	1014.2	1020.9	12.1	+ 0.7	9.2	-0.4	4	60	- 14	2	115
TATENO	36 03 N	140 08 E	27			U									
CHOSHI	35 43 N	140 51 E	28	30	1016.8	1020.1	12.7	- 1.0	10.9	-0.5	8	100	- 43	2	97
OMAEZAKI	34 36 N	138 13 E	47	30	1014.1	1019.6	14.5	+ 0.3	11.7	+0.2	6	38	-101	1	92

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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															
TOKYO	35 41 N	139 46 E	36	30	1016.3	1020.7	12.2	- 0.1	8.7	-0.6	4	51	- 42	2	100
HACHIJOJIMA	33 06 N	139 47 E	80	30	1009.3	1018.8	17.1	- 0.1	15.4	+0.8	13	189	-125	1	119
HACHIJOJIMA/OMURE	33 07 N	139 47 E	156			U									
YONAGO	35 26 N	133 21 E	8	30	1020.9	1021.8	11.9	+ 0.8	10.3	+0.2	10	143	+ 16	4	116
HIROSHIMA	34 22 N	132 26 E	30	30	1018.1	1021.8	12.4	+ 0.9	10.7	+0.8	4	46	- 26	2	105
OSAKA	34 41 N	135 31 E	50	30	1015.4	1021.5	13.6	+ 0.9	10.1	+0.1	3	42	- 31	2	115
SHIONOMISAKI	33 27 N	135 46 E	75	30	1011.1	1020.1	15.7	+ 0.8	12.8	+1.2	7	142	- 49	3	99
IZUHARA	34 12 N	129 18 E	22	30	1019.2	1021.9	13.4	+ 1.0	11.3	+1.1	6	122	+ 13	4	93
FUKUOKA	33 35 N	130 23 E	14	30	1019.7	1021.5	14.4	+ 1.7	12.5	+2.0	8	69	- 10	3	102
OITA	33 14 N	131 37 E	13	30	1019.8	1021.4	14.0	+ 1.4	12.2	+1.3	3	37	- 30	2	92
NAGASAKI	32 44 N	129 52 E	35	30	1016.6	1020.8	15.5	+ 1.8	12.8	+1.6	3	60	- 24	2	102
KAGOSHIMA	31 34 N	130 33 E	5	30	1019.3	1019.9	17.0	+ 2.7	14.2	+1.9	3	39	- 53	1	98
KAGOSHIMA/YOSHINO	31 38 N	130 35 E	283			U									
MIYAZAKI	31 55 N	131 25 E	7	30	1019.3	1020.1	15.7	+ 2.0	13.9	+1.6	5	49	- 74	2	89
KOCHI	33 34 N	133 33 E	18	30	1018.4	1020.6	14.3	+ 1.2	11.2	+0.5	5	110	- 24	3	94
SHIMIZU/ASHIZURI	32 43 N	133 01 E	32	30	1016.2	1020.1	17.2	+ 1.3	13.6	+1.7	8	172	+ 41	4	95
NAZE	28 23 N	129 30 E	7	30	1017.6	1018.5	21.0	+ 1.1	19.6	+2.8	17	317	+109	5	98
NAZE/FUNCHATOGE	28 23 N	129 33 E	295			U									
ISHIGAKIJIMA	24 20 N	124 10 E	7	30	1015.6	1016.4	23.5	+ 1.1	22.8	+1.9	14	142	- 27	3	108
MIYAKOJIMA	24 47 N	125 17 E	41	30	1011.8	1016.5	22.7	+ 0.6	23.8	+3.5	15	153	+ 6	4	91
NAHA	26 14 N	127 41 E	36	30	1013.1	1017.2	22.3	+ 1.0	21.6	+3.0	12	119	- 23	3	99
MINAMIDAITOJIMA	25 50 N	131 14 E	15	30	1014.9	1016.8	23.0	+ 0.6	22.8	+2.1	11	98	- 42	3	96
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	30	1010.9	1015.7	17.9		14.9		6	37		2	99
JERUSALEM	31 47 N	35 13 E	809	30	930.3	1508 Y	13.2		11.4		4	34		3	98
EILAT	29 33 N	34 57 E	13	30	1013.6	1014.7	20.6		10.8		0	0		2	97
							S23.1								
JORDAN															
H-4	32 30 N	38 12 E	688	30	936.6	1016.4	13.7		12.2		6	28			75
MAFRAQ	32 22 N	36 16 E	687			U									
AMMAN AIRPORT	31 59 N	35 59 E	762	30	926.8	1015.9	13.9	- 1.4	11.1	+1.7	3	16	- 15	3	87
MA'AN	30 10 N	35 47 E	1070	30	895.6	1526 Y	12.8		7.9		0	1			91
KUWAIT															
KUWAIT INTL AIRPORT	29 13 N	47 59 E	55	30	1011.5	1018.2	20.7	+ 0.7	17.5	+5.2	6	41	+ 27		73
SAUDI ARABIA															
EL-WEJH	26 14 N	36 26 E	19		1011.2	1013.8	23.5		16.8		0	T			
YENBO	24 07 N	38 03 E	6		1011.6	1012.3	24.5		17.4		1	4			
JEDDAH (KING ABDULAZIZ) AP	21 40 N	39 09 E	8		1009.8	1010.6	26.8		21.2			5			
MAKKAH	21 29 N	39 50 E	94		984.2	1019.3	27.3		21.4		3	18			
RAFHA	29 38 N	43 29 E	440		965.1	1016.1	17.4		12.8		3	28			
AL-JOUF	29 56 N	40 12 E	559		939.7	1016.5	15.4		10.2		2	7			
GIZAN	16 52 N	42 35 E	3		1011.2	1011.5	27.8		29.8		0	0			
BADANA	30 58 N	40 59 E	539		953.7	1018.3	14.8		11.5		6	31			
TABOUK	28 24 N	36 35 E	769		928.3	1016.0	16.5		8.6		3	7			
TURAIF	31 41 N	38 40 E	824		923.2	1018.5	13.0		10.7		4	20			
HAIL	27 31 N	41 44 E	988		902.7	1013.3	16.4		11.4		10	214			
HAFOOF	25 33 N	49 38 E			996.9		22.7		12.9		0	0			
MEDINA	24 31 N	39 42 E	632		941.3	1009.2	22.8		12.8		5	62			
TAIF	21 29 N	40 32 E	1457		856.9	1519 Y	18.5		14.2		3	8		1	
KHAMIS MUSHAIT	18 18 N	42 48 E	2057		799.3	1529 Y	15.1		11.2		0	0			
ABHA	18 08 N	42 23 E	2090		794.3	1509 Y	15.2		12.1		0	0			
BISHA	19 58 N	42 40 E	1161		885.6	1518 Y	22.4		9.0		0	0			
AL BAHA	20 18 N	41 38 E	1662		838.4	1540 Y	18.9		11.1		0	0			
SULAYIL	20 28 N	45 40 E	612		945.8	1015.5	22.3		9.8		0	0			
RIYADH	24 42 N	46 44 E	608		946.7	1016.8	21.8		9.4		0	T			
RIYADH(KING KHALED INT AP)	24 55 N	46 43 E	624		946.9	1016.1	20.0		9.2		1	42			
GASSIM	26 17 N	43 51 E	645		940.7	1015.0	19.8		11.4		6	50			
QAISUMAH	28 20 N	46 07 E	356		975.0	1016.3	18.8		13.7		6	67			
DHAHRAN	26 16 N	50 10 E	21		1014.7	1017.6	23.4		19.1			1			
NAJRAN	17 36 N	44 25 E	1210		882.1	1527 Y	20.6		8.7		0	0			
OMAN															
SUR	22 35 N	59 30 E			1015.3	1017.5	25.1		19.9		0	0			
SEEB INTERNATIONAL AP	23 35 N	58 17 E			1015.3	1016.9	25.6		18.8		0	0			
MASIRAH	20 41 N	58 54 E			1014.2	1016.4	25.0		23.6		0	0			
SALALAH	17 02 N	54 05 E	22		1012.3	1015.0	25.3		18.2		0	0			
THUMRAIT	17 44 N	53 56 E			965.1		22.3		12.4		0	0			
BAHRAIN															
BAHRAIN MUHARRAQ	26 16 N	50 37 E	2	30	1016.9	1017.1	24.9	+ 0.4	22.4	+0.6	0	1	- 8	4	
UNITED ARAB EMIRATES															
ABU DHABI BATEEN AP	24 26 N	54 27 E	3	30		1016.7	24.1	- 0.2	18.9	-0.7	0	0	0		108
ABU DHABI NEW INT AIRPORT	24 26 N	54 28 E	3	30		1016.3	23.7		17.8		0	0	0		

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STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
ASIA															
DEMOCRATIC YEMEN															
ADEN KHORMAKSAR	25 15 N	51 34 E	3		1014.0	1014.3	26.7		23.5		0	T			
QATAR															
DOHA INTERNATIONAL AP	25 15 N	51 34 E	10		1015.9	1016.8	24.5		20.0		0	0			
AFGHANISTAN															
MAZARI-SHARIF	36 42 N	67 12 E	378	30	976.5	1021.0	11.9	+ 2.8	9.7	+2.5	2	8	- 7	2	78
KABUL-AIRPORT	34 33 N	69 12 E	1803	30	824.5	1542 Y	7.5	+ 1.7	5.9	+1.7	5	15	- 4	3	90
KANDAHAR-AIRPORT	31 30 N	65 31 E	1005	30	904.6	1019.5	14.6	+ 3.4	5.7	+0.3	0	0	- 7	3	109
HERAT	34 11 N	62 13 E	964	30	908.3	1015.0	11.3	+ 2.8	7.0	+1.1	0	0	- 9	1	65
CHAKHCHARAN	34 32 N	65 16 E	2230	30	779.6	1568 Y	3.4	+ 1.8	4.1	+0.4	2	5	- 10	2	74
PAKISTAN															
PARACHINAR	33 52 N	70 05 E	1725	30	930.6	1532 Y	11.0	+ 0.2	6.1	+0.8	4	27	+ 14		
PESHAWAR	34 01 N	71 35 E	359	30	975.0	1016.7	17.5	0.0	12.3	+2.9	1	9	- 1	4	92
FORT SANDEMAN	31 21 N	69 28 E	1407	30	861.1	1513 Y	14.5	+ 0.6	6.2	+2.7	0	0	- 6	3	
DERA ISMAIL KHAN	31 49 N	70 55 E	174	30	995.7	1015.7	17.9	+ 1.0	12.9	+0.8	1	1	- 2	5	
SARGODHA	32 03 N	72 40 E	184			U									
JHELUM	32 56 N	73 44 E	233	30	988.9	1016.3	18.1	+ 0.2	13.1		3	20			
LAHORE CITY	31 33 N	74 20 E	214	30	991.3	1016.3	19.7	+ 0.9	13.2	+0.4	0	0	- 3	3	99
QUETTA/SAMUNGLI	30 15 N	66 53 E	1601	30	843.0	1519 Y	11.1	+ 2.4	3.7	-2.0	0	0	- 6	4	85
MULTAN	30 12 N	71 26 E	123	30	1001.8	1016.3	19.5	- 0.3	14.5	+2.3	0	0	- 2	5	
DALBANDIN	28 53 N	64 42 E	850	30	920.9	1527 Y	17.1	+ 2.3	4.9	-1.8	0	0	- 1	4	
JACOBADAD	28 18 N	68 28 E	56	30	1008.9	1015.4	21.9	- 0.1	13.3	+1.0	0	0	- 1	5	90
PANJGUR	26 58 N	64 06 E	969	30	906.7	1528 Y	17.6	+ 1.2	9.1	+2.2	0	0	- 1	4	
CHHOR	25 31 N	69 47 E	6	30	1014.0	1014.6	22.1		12.0		0	0			
JIWANI	25 04 N	61 48 E	56	30	1009.0	1015.5	24.1		18.5		0	0			
HYDERABAD	25 23 N	68 25 E	30	30	1011.8	1015.3	23.9	- 0.4	15.3	+2.7	1	34	+ 33	5	
KARACHI AIRPORT	24 54 N	67 08 E	22	30	1012.5	1015.1	23.3	- 0.6	16.8	+2.5	0	0	- 13	5	100
BANGLADESH															
BOGRA	24 51 N	89 22 E	20		1011.5	1013.8	23.5		20.6		0	0			
SYLHET	24 54 N	91 53 E	35		1009.9	1013.9	23.2		19.2		1	23			
DACCA TEJGAON	23 46 N	90 23 E	10		1013.0	1014.0	24.3		20.0		0	0			
JESSORE	23 13 N	89 13 E	12		1013.4	1014.1	23.1		18.5		0	0			
CHITTAGONG AMBAGAN	22 21 N	91 49 E	14			U									
CHITTAGONG/PATENGA	22 16 N	91 49 E	6		1012.2	1013.1	25.1		24.2		1	5			
COX'S BAZAR	21 26 N	91 58 E	4		1012.4	1012.8	25.3		24.3		0	0			
INDIA															
SRINAGAR	34 05 N	74 50 E	1587	30	846.7	1552 Y	7.4	- 0.3	7.8	+1.0	5	56	+ 36	5	65
AMRITSAR	31 38 N	74 52 E	234	30	989.1	1016.5	17.2	- 0.5	13.6	+1.5	1	2	- 8		90
MUKTESWAR KUMAON	29 28 N	79 39 E	2311	30	775.9	3155 Z	9.1	- 2.1	7.3	+1.3	0	0	- 4	3	
BIKANER	28 00 N	73 18 E	224	30	990.6	1016.3	21.4	+ 1.2	9.5	-1.0	0	0	- 3	5	
NEW DELHI/SAFDARJUNG	28 35 N	77 12 E	216	30	990.7	1015.8	20.2	0.0	12.1	+2.6	0	0	- 1	4	79
AGRA	27 10 N	78 02 E	169	30	996.9	1018.4	19.6	- 1.0	11.2	+0.3	0	0	- 2	4	
DIBRUGARH/MOHANBARI	27 29 N	95 01 E	111	30	1003.0	1015.9	19.5	- 0.7	17.7	-2.2	0	1	- 26	1	
JODHPUR	26 18 N	73 01 E	224	30	990.1	1014.9	22.2	- 0.5	8.6	+0.5	0	0	- 3	4	
LUCKNOW/AMAUSI	26 45 N	80 53 E	128			U									
GAUHATI	26 06 N	91 35 E	54	30	1008.7	1015.1	21.5	+ 0.1	20.7	-1.4	2	29	+ 18	5	
KOTA AERODROME	25 09 N	75 51 E	274	30	984.3	1015.5	22.9	- 0.2	8.6	-2.1	0	0	- 6		
ALLAHABAD/BAMHRAULI	25 27 N	81 44 E	98	30	1004.2	1017.6	19.0	- 2.1	13.0	-1.1	0	0	- 6	4	
CHERRAPUNJI	25 15 N	91 44 E	1313	29	871.7	1527 Y	15.5	- 0.4	10.9	-3.1	1	7	- 40	3	
DALTONGANJ	24 03 N	84 04 E	221	30	989.7	1015.5	20.1	- 0.4	15.5	+0.2	0	0	- 7	4	
AHMADABAD	23 04 N	72 38 E	55	30	1008.5	1014.8	23.3	- 1.2	13.5	+0.8	0	0	- 5	4	51
SAGAR	23 51 N	78 45 E	551	30	953.3	1015.1	21.7	0.0	9.0	-1.8	0	0	- 24	4	
DWARKA	22 22 N	69 05 E	11	30	1013.1	1014.3	25.5	- 0.2	20.8	+1.9	0	0	- 19	4	
INDORE	22 43 N	75 48 E	567	30	951.5	1014.9	20.8	+ 0.3	11.3	-0.4	0	0	- 22	3	
CALCUTTA/ALIPORE	22 32 N	88 20 E	6	30	1013.5	1014.2	23.6	- 0.4	17.6	-2.7	0	0	- 35	2	92
CALCUTTA/DUM DUM	22 39 N	88 27 E	6			U									
NAGPUR/SONEGAON	21 06 N	79 03 E	310	30	979.7	1015.1	21.7	- 0.3	11.5	-2.8	0	0	- 17	4	100
VERAVAL	20 54 N	70 22 E	8	30	1012.5	1013.3	25.9	0.0	19.8	-0.1	0	0	- 7	4	
AKOLA	20 42 N	77 02 E	282	30	982.5	1014.5	23.1	0.0	11.3	-2.0	0	0	- 28	3	
BHUBANESWAR	20 15 N	85 50 E	46	30	1009.4	1014.7	23.6	- 0.2	16.5	-4.4	0	0	- 42		
BOMBAY/SANTACRUZ	19 07 N	72 51 E	14			U									
JAGDALPUR	19 05 N	82 02 E	553	30	952.5	1014.7	19.5	- 1.9	14.1	-2.8	0	0	- 24	2	
HYDERABAD AIRPORT	17 27 N	78 28 E	545	30	952.7	1013.3	22.2	- 0.1	14.1	-3.8	1	5	- 20	3	100
VISHAKHAPATNAM	17 43 N	83 14 E	3	30	1013.5	1013.9	25.6	- 0.1	19.4	-4.9	2	39	- 51	3	
MASULIPATNAM	16 11 N	81 08 E	3	30	1012.8	1013.1	25.4	- 0.1	22.5	-3.1	2	19	- 91	2	
BELGAUM/SAMRA	15 51 N	74 37 E	747	30	929.8	1011.9	22.1	- 0.6	13.2	-3.0	1	2	- 36		
MADRAS/MINAMBAKKAM	13 00 N	80 11 E	16	30	1009.8	1011.5	25.7	- 0.2	25.6	-1.2	10	467	+159	4	69
PANAMBUR	12 57 N	74 50 E	31			U									
BANGALORE	12 58 N	77 35 E	921	30	910.9	1517 Y	22.2	+ 0.5	17.1	-1.2	4	11	- 43	2	101
KOZHIKODE	11 15 N	75 47 E	5	30	1010.3	1010.9	27.9	+ 0.6	27.9	0.0	5	131	- 9	3	
PORT BLAIR	11 40 N	92 43 E	79	30	1002.1	1011.0	27.0	+ 0.1	28.7	+0.2	13	195	- 22		94
COCHIN/ERNAKULAM	09 56 N	76 14 E	3			U									
PAMBAN	09 16 N	79 18 E	11	30	1009.6	1010.9	26.9	- 0.1	28.9	-0.6	16	354	+ 46	3	
MINICOY	08 18 N	73 00 E	2	30	1010.3	1010.5	27.2	+ 0.6	29.3	+0.2	12	226	+ 85	4	
TRIVANDRUM	08 29 N	76 57 E	64	30	1003.3	1010.7	27.1	+ 0.5	28.9	+0.8	9	72	-135	1	74
SRI LANKA															
MANNAR	08 59 N	79 55 E	3		1010.5	1010.9	27.0	+ 0.3	30.3	+2.2	14	285	+ 43	4	

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															
SRI LANKA															
TRINCOMALEE	08 35 N	81 15 E	7		1001.7	1010.4	26.1	- 0.2	29.1	-1.4	19	463	+108	4	
COLOMBO	06 54 N	79 52 E	6		1009.9	1010.7	26.5	+ 0.3	29.4	+1.9	17	360	+ 36	3	
HAMBANTOTA	06 07 N	81 08 E	20		1008.3	1009.9	26.6	0.0	28.9	+0.7	16	174	- 13	3	
MONGOLIA															
ULAN-GOM	49 48 N	92 05 E	936		913.6	1031.6	-11.7		2.8		1	8			
ULGI	48 58 N	89 58 E	1714		825.6	1024.6	- 8.5		2.5		0	T			
MUREN	49 38 N	100 10 E	1288		871.3	1030.0	-13.5		1.7		1	4			
BULGAN	48 48 N	103 33 E	1210		877.7	1026.5	-11.7		1.8		2	4			
CHOIBALSAN	48 04 N	114 30 E	756		930.1	1024.7	-11.0		1.2		1	5			
ALTAI	46 24 N	96 15 E	2147		779.6	1022.7	- 8.8				1	2			
ULIASTAI	47 45 N	96 51 E	1753		820.2	1026.9	-11.4		1.1			1			
ARBAIHER	46 16 N	102 47 E	1813		815.1	1025.0	- 7.9		1.7		0	0			
ULAN-BATOR	47 56 N	106 59 E	1338		869.1	1028.0	-11.3		2.0		1	3			
MANDALGOVI	45 46 N	106 17 E	1398		860.6	1028.9	- 9.4		1.9		0	0			
SAINSHAND	44 54 N	110 07 E	936		914.6		- 9.4								
DALANZADGAD	43 35 N	104 25 E	1470		853.6	1026.8					1	1			
NEPAL															
KATHMANDU AP	27 42 N	85 22 E	1336		868.7	1527 Y	13.4		11.8		0	0			
DHANKUTA	26 59 N	87 21 E	1445		858.6	1531 Y	15.5		11.6		0	0			
BURMA															
MEIKTILA	20 50 N	95 50 E	220			U									
THAILAND															
UBON RATCHATHANI	15 15 N	104 53 E	127			U									
MALAYSIA															
PENANG/BAYAN LEPAS	05 18 N	100 16 E	4	30	1009.5	1009.9	26.8	+ 0.5	30.1	+1.4	14	147	-120	1	120
KOTA BHARU	06 10 N	102 17 E	5	30	1009.7	1010.3	26.1	+ 0.3	29.9	+0.8	19	431	-179	2	115
KUALA LUMPUR/SUBANG	03 07 N	101 33 E	17	30	1008.6	1011.1	25.9	- 0.2	29.1	+1.0	22	348	+ 71	4	90
KUALA LUMPUR/PETALING JAYA	30 06 N	101 39 E	57			U									
KUANTAN	03 47 N	103 13 E	16	30	1008.5	1010.3	25.5	+ 0.2	29.2	+0.4	22	270	- 15	3	115
MALACCA	02 16 N	102 15 E	11	30	1009.0	1010.0	26.2	+ 0.3	29.5	+0.4	21	207	- 22	3	115
KUCHING	01 29 N	110 20 E	27	30	1007.4	1010.0	25.6	+ 0.1	28.7	+0.3	21	547	+224	5	95
KOTA KINABALU	05 57 N	116 03 E	7	30	1008.8	1009.1	26.7	+ 0.6	29.3	+0.9	16	278	- 2	3	110
SINGAPORE															
SINGAPORE/CHANGI AIRPORT	01 22 N	103 59 E	16	30	1008.1	1009.9	26.4		29.6		14	128		1	95
CHINA															
HAILAR	49 13 N	119 45 E	614		944.8	1023.0	-11.6		2.0		1	5		5	95
QIQIHAR	47 23 N	123 55 E	147		1002.1	1021.2	- 7.1		2.4		2	5		4	95
ALTAY	47 44 N	88 05 E	735		939.3	1031.5	- 5.9		3.1		10	48		5	65
URUMQI	43 54 N	87 28 E	654		917.6	1029.2	- 7.4		4.2		4	20		4	65
YINING	43 57 N	81 20 E	664		946.3	1027.1	2.3		5.7		9	44		5	85
EREN	43 39 N	112 00 E	966		910.2	1028.9	- 6.0		1.7		0	0			100
YANJI	42 53 N	129 28 E	178		1001.0	1023.8	- 2.7		3.0		0	T			105
HAMI	42 49 N	93 31 E	739		936.8	1026.5	1.2		3.5		0	T		4	95
SHENYANG	41 49 N	123 33 E	43		1019.5	1025.0	1.7		4.3		1	10		2	95
BEIJING	39 48 N	116 28 E	32		1018.5	1025.4	4.8		4.6		2	7		4	90
JIUQUAN	39 46 N	98 31 E	1478		856.7	1028.1	0.2		2.7		0	0		2	105
KASHI	39 28 N	75 59 E	1291		875.8	1025.0	4.0		4.5		0	0		3	105
RUOQIANG	39 02 N	88 10 E	889		920.2	1027.5	2.6		3.5		0	0		4	100
YINCHUAN	38 29 N	106 13 E	1113		896.1	1027.6	1.9		4.3		0	0		1	100
TAIYUAN	37 47 N	112 33 E	779		933.6	1027.3	3.6		5.0		2	5		2	50
HOTAN	37 08 N	79 56 E	1375		866.5	1024.2	4.6		3.2		0	0		5	95
DULAN	36 20 N	98 02 E	3192		693.0		- 3.3		1.3		0	T		1	90
QINGDAO	36 04 N	120 20 E	77		1015.7	1025.2	10.3		9.1		5	25		3	95
LANZHOU	36 03 N	103 53 E	1518		852.7		3.2		4.4		0	0			85
ZHENGZHOU	34 43 N	113 39 E	111		1011.5	1025.3	8.9		8.3		7	42		4	75
XI'AN	34 18 N	108 56 E	398		977.7	1026.0	7.7		8.5		9	24		3	45
QAMDO	31 11 N	96 59 E	3242		684.0		2.0		2.6		0	0		1	105
SHANGHAI	31 10 N	121 26 E	5		1022.7	1023.5	14.4		13.1		5	38		3	75
YICHANG	30 42 N	111 05 E	131		1008.2	1024.5	12.8		11.2		6	39		3	65
CHENGDU	30 40 N	104 01 E	508		962.7	1022.6	12.6		11.6		3	5		1	140
NANCHANG	28 40 N	115 58 E	50		1016.7	1022.4	14.9		13.1		4	43		3	125
XICHANG	27 53 N	102 18 E	1592		840.9		13.4		8.3		2	3		2	130
ZHIJIANG	27 27 N	109 38 E			990.0	1022.7	13.3		12.3		2	15		1	120
GANZHOU	25 50 N	114 50 E	125		1006.8	1021.8	16.4		13.9		2	16		2	130
TENGCHONG	25 07 N	98 29 E	1649		838.7		10.9		8.7		0	T		1	130
KUNMING	25 01 N	102 41 E	1892		814.6		11.5		9.4		2	4		1	115
SHANTOU	23 24 N	116 41 E	3		1017.8	1018.2	20.2		18.6		2	4		2	110
GUANGZHOU	23 08 N	113 19 E	7		1017.5	1018.4	20.3		16.5		3	54		4	110
NANNING	22 49 N	108 21 E	73		1009.3	1017.8	20.3		17.8		0	T			110
MENGZI	23 23 N	103 23 E	1302		873.1	1016.5	16.4		12.7		0	T		1	130
HAIKOU	20 02 N	110 21 E	15		1015.0	1016.7	22.6		22.4		4	50		3	100
PHILIPPINES															
BASCO	20 27 N	121 58 E	11	30	999.4	1000.6	26.4	+ 1.5	29.8	+4.9	22	249	- 87	3	
APARRI	18 22 N	121 38 E	4	30	1012.1	1012.4	26.5	+ 1.0	29.8	+1.7	17	436	+ 27	4	

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															
PHILIPPINES															
DAGUPAN	16 03 N	120 20 E	2	30	1010.3	1010.5	27.3	- 0.1	29.8	+1.7	2	8	- 57	1	
MANILA INT. AIRPORT	14 31 N	121 00 E	15	30	1008.9	1010.1	27.8	+ 1.4	28.1	+1.7	8	23	- 98	1	
DAET	14 08 N	122 59 E	4	30	1010.0	1010.5	27.0	+ 0.2	29.8	0.0	25	519	- 95	3	
CALAPAN	13 25 N	121 11 E	40	30	1002.5	1007.0	26.5	- 0.1			16	202	- 46		
LEGASPI	13 08 N	123 44 E	19	30	1006.4	1008.3	27.7	+ 1.0	29.8	0.0	21	557	+ 79	4	
CATARMAN	12 29 N	124 38 E	6	30	1007.5	1008.2	26.6	+ 0.2	31.7	+1.9	24	612	+ 64		
CATBALOGAN	11 47 N	124 53 E	5	30	1008.6	1009.2	26.8	- 0.3			21	344	+ 8	4	
TACLOBAN	11 15 N	125 00 E	21	30	1008.5	1008.8	26.6	- 0.6	28.1	0.0	15	459	+216	5	
ILOILO	10 42 N	122 34 E	14	30	1008.1	1009.0	27.3	+ 0.4	31.6	+3.5	20	365	+181	5	
MACTAN	10 18 N	123 58 E	9	30	1008.0	1009.4	28.3	+ 0.1	29.8	0.0	8	185	+ 52	4	
DIPLOG	08 36 N	123 21 E	5	30	1008.6	1009.2	27.5	- 0.1			23	404	+ 81	4	
TAGBILARAN	09 36 N	123 51 E	6	30	1008.5	1009.2	27.1	- 0.3			18	228	+ 24		
CAGAYAN DE ORO	08 29 N	124 38 E	6	30	1006.8	1007.5	27.3	+ 0.3	31.7	+3.6	9	83	- 45		
DAVAO AIRPORT	07 07 N	125 39 E	25	30	1006.7	1008.7	27.8	+ 0.5	29.8	0.0	8	76	- 74		
ZAMBOANGA	06 54 N	122 04 E	6	30	1008.7	1009.4	28.1	+ 1.1	29.8	+1.7	8	20	- 99	0	
AUSTRALASIA															
INDONESIA															
BANDA ACEH/BLANGBINTANG	05 31 N	95 25 E	21	30	1007.2	1010.1	27.2		30.8		14	303	+118		
SIBOLGA/PINANGSORE	01 33 N	98 53 E	3	30	1008.8	1008.9	27.1		27.5		11	115			
TANJUNGPINANG/KIJANG	00 55 N	104 32 E	18	30	1008.5	1010.8	25.2		29.2		20	310	+ 15		
PAKANBARU/SIMPANGTIGA	00 28 N	101 27 E	31	30	1006.0	1009.4	26.0		27.8		20	181	-120		
TAREMPA	03 12 N	106 15 E	3	30	1006.7	1007.1	26.6		29.4		18	506	+200		
PADANG/TABING	00 53 S	100 21 E	3	30	1010.2	1010.9	26.0		26.7		26	720	+350		
SERUI/YENDOSA	01 52 S	136 14 E	3	30	1007.3	1008.0	26.7		29.6		16	136	-121		
KETAPANG/RAHADI USMAMAN	01 51 S	109 58 E	9	30	1009.7	1010.9	26.2		30.0		23	546			
JAKARTA/OBS	06 11 S	106 50 E	8	30	1008.8	1009.8	27.1		27.5		11	115	- 40		
TEGAL	06 51 S	109 09 E	10	30	1010.2	1010.9	27.1		29.5		15	248			
MENADO/DR SAM RATULANGI	01 32 N	124 55 E	80	30	1000.9	1009.7	26.3		28.2		12	149	-145		
GORONTALO/JALALUDDIN	00 31 N	123 04 E	2	30	1005.7	1008.1	26.8		28.3		10	18	- 90		
UJUNG PANDANG/HASANUDDIN	05 04 S	119 33 E	14	30	1007.4	1009.8	26.5		29.1		18	309	+ 34		
TEFMAN	00 56 S	131 07 E	3	30	1008.7	1009.4	28.0		30.8		9	153	- 39		
MANOKWARI/RENDANI	00 53 S	134 03 E	3	30	1007.9	1008.2	26.7		28.9		11	117	- 54		
SENTANI	02 34 S	140 29 E	99	30	997.5	1007.7	27.1		27.4		11	50			
JAYAPURA	02 32 S	140 43 E	3	30	1006.8	1008.3	28.4		30.8		11	127	- 91		
NABIRE	03 20 S	135 30 E	3	30	1007.6	1008.2	27.3		30.0		15	226	- 59		
AMBON	03 42 S	128 05 E	12	30	1004.2	1007.7	29.6		28.3		7	83	+ 11		
NEW ZEALAND															
KAITAIA AERODROME	35 04 S	173 17 E	80	30	1009.1	1018.5	16.9		16.0		10	80		2	88
AUCKLAND AERODROME	37 01 S	174 48 E	6	30	1017.8	1018.6	17.1		15.5		9	122		5	90
GISBORNE AERODROME	38 40 S	177 59 E	8	30	1015.8	1016.8	17.2		13.9		5	62		4	110
NEW PLYMOUTH AERODROME	39 01 S	174 11 E	36	30	1013.9	1017.7	15.4		15.0		10	166		4	85
WELLINGTON	41 17 S	174 46 E	128	30	999.3	1014.8	14.5		13.2		6	61		2	100
CHRISTCHURCH AERODROME	43 29 S	172 32 E	34	30	1007.9	1012.1	14.9		11.3		4	70		4	101
HOKITIKA AERODROME	42 43 S	170 59 E	40	30	1010.8	1015.5	13.1		12.9		16	248		3	89
INVERCARGILL AERODROME	46 25 S	168 20 E	1	30	1011.1	1011.3	12.3		10.7		12	64		1	100
NORTH PACIFIC															
LIHUE, KAUAI, HAWAII	21 59 N	159 21 W	45	30	1012.5	1017.9	25.3	+ 1.2	22.3		15	248	+107	5	96
HONOLULU, OAHU, HAWAII	21 21 N	157 56 W	5	30	1016.6	1017.1	26.1	+ 1.3	22.4		8	91	+ 9	4	97
HILO/GEN. LYMAN, HAWAII	19 43 N	155 04 W	11	30	1016.6	1018.0	23.1	0.0	21.8		25	467	+ 89	4	82
WAKE ISLAND	19 17 N	166 39 E	4	30	1012.9	1013.4	28.4	+ 1.5	27.2		12	102	+ 31	5	81
GUAM, TAGUAC, MARIANA IS.	13 33 N	144 50 E	111	30	997.3	1009.9	26.1	- 0.1	29.8		26	328	+100	3	33
YAP, CAROLINE ISLANDS	09 29 N	138 05 E	17	30	1006.8	1008.8	27.3	- 0.1				306	+ 56		80
KWAJALEIN, MARSHALL IS.	08 43 N	167 44 E	8	30	1008.5	1009.4	27.8	+ 0.1				301	+ 22		
TRUK, CAROLINE ISLANDS	07 28 N	151 51 E	2	30	1008.5	1008.8	28.2	+ 0.7				370	+ 64		85
KOROR, PALAU ISLANDS	07 20 N	134 29 E	33	30	1005.4	1009.1	28.2	+ 0.4	31.1		16	233	- 45	2	100
MAJURO, MARSHALL ISLANDS	07 05 N	171 23 E	3	30	1009.1	1009.4	27.0	- 0.3	29.7		25	338	- 4	3	98
PONAPE, CAROLINE ISLANDS	06 58 N	158 13 E	46	30	1003.1	1008.3	27.1	+ 0.1	30.0		22	452	+ 22	3	74
TARAWA, GILBERT ISLANDS	01 21 N	172 55 E	4	30	1008.4	1008.8	28.2		29.5		5	19		1	
SOUTH PACIFIC															
FUNAFUTI, ELLICE IS.	08 31 S	179 13 E	2	30	1008.6	1008.8	27.7		30.4		17	201		1	
ATUONA, MARQUESAS ISLAND	09 48 S	139 02 W	52	30	1006.2	1012.2	25.7		24.6		13	42		2	110
HIHIFO/AERO/WALLIS IS.	13 14 S	176 10 W	27	30	1007.1	1010.2	26.7	+ 0.1	29.3	+0.4	16	281	+100	3	104
APIA, SAMOA	13 48 S	171 47 W	2	30	1009.6	1009.9	26.4		29.4		14	67		1	102
PAGO PAGO, SAMOA	14 20 S	170 43 W	3	30	1010.5	1010.8	27.2	+ 0.4	29.6		18	205	- 79	2	61
RANGIROA	14 58 S	147 40 W	4	30	1012.1	1012.4	27.1		26.9		16	84		2	115
TAKAROA, TUAMOTU IS.	14 29 S	145 02 W	3	30	1012.2	1012.5	27.2		29.0		13	190		4	110
PUKA-PUKA, TUAMOTU IS.	14 48 S	138 49 W	3	30	1012.8	1013.2	27.0		27.2		9	103		3	115
HAO, TUAMOTU IS.	18 04 S	140 57 W	3	30	1013.4	1013.8	26.5		27.2		14	135		3	105
HEREHERETUE, TUAMOTU IS.	19 52 S	145 00 W	3	30	1013.2	1013.6	26.0		26.9		15	360		6	100
BORA-BORA, SOCIETY IS.	16 29 S	151 45 W	3	30	1011.9	1012.2	25.6		28.0		20	300		5	80
TAHITI, SOCIETY IS.	17 33 S	149 37 W	2	30	1012.5	1012.8	26.0		26.6		16	304		5	95
VILA, NEW HEBRIDES	17 45 S	168 19 E	20			1010.8	25.1		27.3		16	295			
NANDI, FIJI IS.	17 45 S	177 27 E	18	30	1009.2	1011.3	25.9		25.2		4	80		2	78
NAUSORI	18 03 S	178 34 E	5	30	1010.9	1012.2	24.4		25.1		14	355		4	
KOUMAC/NOUVELLE-CALEDONIE	20 34 S	164 17 E	18	30	1009.4	1011.5	24.2	+ 0.2	25.2	+1.2	10	7	+ 56	5	81
NOUMEA/NOUVELLE-CALEDONIE	22 16 S	166 27 E	72	30	1004.5	1012.9	23.8	+ 0.3	23.6	+2.5	11	105	+ 58	5	77
RAROTONGA, COOK IS.	21 12 S	159 49 W	7	30	1012.6	1013.4	24.3		24.8		13	159		4	92

SURFACE DATA

NOVEMBER 1984

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
AUSTRALASIA															
SOUTH PACIFIC															
ANEITYUM/NEW HEBRIDES IS.	20 12 S	169 47 E	10			1012.1	24.1		24.1		14	134			
TOTEGEGIE, GAMBIER IS.	23 06 S	134 52 W	3	30	1006.5	1016.7	24.0		24.2		14	156			
MURORDA	21 49 S	138 49 W	3	30	1015.1	1015.5	25.9		26.8		8	217		5	115
TUBAI, AUSTRAL IS.	23 21 S	149 29 W	3	30	1015.1	1015.4	22.7		23.6		11	166		4	90
RAPA, AUSTRAL IS.	27 37 S	144 20 W	6	30	1017.2	1017.5	20.1		19.2		15	313		5	45
RADUL IS.,KERMADEC IS.	29 15 S	177 55 W	49	30	1014.5	1020.3	18.8		16.8		0	2		0	99
CHATHAM ISLAND	43 57 S	176 34 W	48	30	1007.4	1013.2	12.1		12.3		7	37		2	128
CAMPBELL ISLAND	52 33 S	169 09 E	19	30	997.8	1000.1	7.5		8.9		22	111		4	89
OCEAN SHIPS STATIONS															
SHIP L	57 00 N	20 00 W		17		1001.6	7.8 S10.4		7.4						
SHIP R	47 00 N	17 00 W			1003.2		12.2 S14.2		11.0						

SURFACE DATA LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUNSHINE PERCENTAGE OF LONG-TERM AVERAGE
	° '	° '	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
JANUARY 1984															
AFRICA															
RWANDA															
KIGALI	01 57 S	30 07 E	1497		850.1	1495 Y	19.6		18.0		7	60			
MARCH 1984															
AFRICA															
RWANDA															
KIGALI	01 57 S	30 07 E	1497		849.9	1493 Y	20.0		17.2		12	97			
BURUNDI															
BEYUMBURA	03 19 S	29 19 E	783		921.8	1486 Y	23.0	- 0.1	21.7	-0.5	16	109		2	125
APRIL 1984															
AFRICA															
RWANDA															
KIGALI	01 57 S	30 07 E	1497		850.8	1502 Y	19.7		19.1		14	211			
MAY 1984															
AFRICA															
RWANDA															
KIGALI	01 57 S	30 07 E	1497		851.0	1505 Y	20.6		16.8		6	29			
JUNE 1984															
ASIA															
ISRAEL															
BEN GURION INT AP	32 00 N	34 54 E	49	30	1005.6	1010.3	23.5		19.9		0			5	95
JERUSALEM	31 47 N	35 13 E	809	30	926.0	1487 Y	20.3		13.5		0	T		5	89
EILAT	29 33 N	34 57 E	13	30	1006.5	1007.6	31.0		10.2		0			5	102
							S24.5								
BURMA															
MYITKYINA	25 22 N	97 24 E	147		977.4	1004.1	27.9		31.7		13	28		3	
MANDALAY	21 59 N	96 06 E	76		984.5	1003.2	28.8		30.0		7	13		3	
AKYAB	20 08 N	92 53 E	5		999.9	1001.6	26.9		31.1		27	132		5	
RANGOON	16 46 N	96 10 E	23		1003.3	1005.4	27.2		31.2		25	73			
AUGUST 1984															
SOUTH AMERICA															
BRAZIL SOUTHERN															
TRINIDADE/ILHA/	20 30 S	29 19 W	21								2	15			
AFRICA															
CENTRAL AFRICAN REP															
BIRAO	10 17 N	22 47 E	464	31	958.3	1009.1	26.5		26.4		12	99			
N DELE	08 24 N	20 39 E	510	31	953.2	1009.1	24.7		24.1		9	73		0	
BRIA	06 32 N	21 59 E	584	31	946.3	1010.2	24.0		25.0		19	160			
YALINGA	06 30 N	23 16 E	602	31	943.9	1009.7	23.6		25.0		16	208			
BAMBARI	05 51 N	20 39 E	475	31	958.9	1010.5	24.1		25.4		21	307			
ALINDAO	05 03 N	21 12 E	449	31	960.6	1010.1	24.4		25.3		18	275			
BANGASSOU	04 44 N	22 50 E	500	31	955.1	1010.1	24.5		25.6		16	120		1	111
OBO	05 24 N	26 30 E	651	31	939.2	1010.1	23.9		23.9		14	280			
BOSSANGOA	06 29 N	17 26 E	465	31	958.8	1009.9	24.7		25.4		17	163		1	134
BOUAR	05 58 N	15 38 E	1020	31	900.3	1490 Y	21.2		21.3		21	188			
BOSSEMBELE	05 16 N	17 38 E	674	31	936.5	1010.0	23.2		24.3		17	170			
BERBERATI	04 13 N	15 47 E	583	31	946.4	1010.5	22.8		24.1		19	225			129
BANGUI	04 24 N	18 31 E	366	31	969.5	1010.4	24.5		25.6		14	195		2	121
SEPTEMBER 1984															
SOUTH AMERICA															
BRAZIL SOUTHERN															
TRINIDADE/ILHA/	20 30 S	29 19 W	21		1018.4	1018.8	23.6		20.8		10	47			
EUROPE															
POLAND															
GDYNIA	54 31 N	18 33 E	5												65
POZNAN-LAWICA	52 25 N	16 50 E	92												47
WARSZAWA-BIELANY	52 17 N	20 50 E													60

SURFACE DATA LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° '	° '	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SEPTEMBER 1984															
EUROPE															
POLAND															
BIALYSTOK	53 06 N	23 10 E	151												33
WROCLAW II-STRACHOWICE	51 06 N	16 53 E	124												51
KRAKOW/BALICE	50 05 N	19 48 E	237												58
AFRICA															
CENTRAL AFRICAN REP															
BIRAO	10 17 N	22 47 E	464	30	957.4	1008.3	26.4		24.5		5	94			
N DELE	08 24 N	20 39 E	510	30	952.7	1009.0	24.0		24.3		14	105		1	
BRIA	06 32 N	21 59 E	584	30	945.5	1009.4	23.6		24.6		16	172			
YALINGA	06 30 N	23 16 E	602	30	942.9	1008.6	23.5		24.0		12	124			
BAMBARI	05 51 N	20 39 E	475	30	957.2	1009.5	23.9		24.7		17	125			
ALINDAO	05 03 N	21 12 E	449	30	959.8	1009.3	24.3		24.6		11	105			
BANGASSOU	04 44 N	22 50 E	500	30	954.3	1009.3	24.2		25.5		22	211		4	86
OBO	05 24 N	26 30 E	651	30	938.2	1009.0	24.0		23.7		14	240			
BOSSANGOA	06 29 N	17 26 E	465	30	958.1	1009.4	24.3		24.1		20	340		5	121
BOUAR	05 58 N	15 38 E	1020	30	899.7	1498 Y	21.0		20.5		19	182			
BOSSEMBELE	05 16 N	17 38 E	674	30	935.8	1009.3	22.9		23.7		18	208			
BERBERATI	04 13 N	15 47 E	583	30	945.7	1010.4	22.8		24.1		18	266			114
BANGUI	04 24 N	18 31 E	366	30	969.2	1010.2	24.0		25.0		14	144		2	111
ASIA															
BURMA															
MYITKYINA	25 22 N	97 24 E	147		993.3	1010.1	26.4		28.9		10	16		6	
MANDALAY	21 59 N	96 06 E	76		1001.9	1010.6	29.9		29.8		4	10		4	
AKYAB	20 08 N	92 53 E	5		1008.5	1009.1	28.4		31.3		12	25		4	
RANGOON	16 46 N	96 10 E	23		1008.1	1010.1	27.9		30.9		17	22		6	135
AUSTRALASIA															
EAST TIMOR															
DILLI/DILLI AIRPORT	08 34 S	125 34 E	6	30	1009.6	1009.9	26.8		25.0		3	89			
INDONESIA															
BANDA ACEH/BLANGBINTANG	05 31 N	95 25 E	21	30	1005.7	1008.8	29.1		32.4		8	90	- 35		
MEDAN/POLONIA	03 34 N	98 41 E	25	30	1006.0	1009.2	26.3		27.5		20	113	- 94		
GUNUNG SITOLI/BINAKA	01 16 N	97 37 E	6	30	1009.6	1010.6	24.7		27.5		20	431			
SIBOLGA/PINANGSORE	01 33 N	98 53 E	3	30	1009.0	1009.7	25.2		26.5		17	321	-117		
PADANG/TABING	00 53 S	100 21 E	3	30	1010.4	1011.0	25.4		26.7		22	866	+463		
RENGAT/JAPURA	00 26 S	102 27 E	46	30	1008.4	1010.9	25.8		28.1		18	256	+ 90		
SINGKEP/DABO	00 29 S	104 35 E	31	30	1005.9	1009.6	25.8		29.0		21	324	+ 97		
JAMBI/PAALMERAH	01 38 S	103 39 E	25	30	1006.7	1009.9	25.9		28.4		13	132	- 1		
PALEBANG/TALANGBETUTU	02 54 S	104 42 E	10	30	1008.8	1010.3	26.2		28.2		12	168	+ 58		
PANGKALPINANG	02 10 S	106 08 E	33	30	1005.4	1009.6	25.6		27.3		21	168	+ 35		
BELAWAN	03 48 N	98 42 E	3	30	1009.1	1009.8	26.0		29.9		15	187			
BENGKULU/PADANGKEMILING	03 52 S	102 20 E	16	30	1007.6	1009.7	25.3		28.1		18	244	+ 4		
TARAKAN/JUWATA	03 20 N	117 34 E	6	30	1007.4	1007.9	26.9		29.0		14	547	+253		
SERUI/YENDOSA	01 52 S	136 14 E	3	30	1008.2	1008.9	25.7		30.1		25	327	- 16		
PONTIANAK/SUPADIO	00 01 S	109 23 E	0	30	1009.1	1009.7	25.6		28.1		19	298	+ 43		
KETAPANG/RAHADI USMAMAN	01 51 S	109 58 E	9	30	1009.5	1010.9	25.8		29.1		16	371			
BALIKPAPAN/SEPINGGAN	01 16 S	116 54 E	3	30	1009.2	1009.7	26.2		30.0		15	254	+ 17		
PANGKALAN BUN/ISKANDAR	02 42 S	110 42 E	25	30	1006.8	1009.9	25.6		26.0		8	77			
CURUG/BUDIARTO	06 14 S	106 39 E	46	30	1005.6	1011.2	25.7		27.0		16	225	+111		
JAKARTA/TANJUNG PRIOK	06 06 S	106 52 E	2	30	1009.6	1010.4	27.7		27.4		8	77			
JAKARTA/KEMAYORAN	06 09 S	106 51 E	5	30	1009.8	1010.5	26.7		27.2		4	27	- 27		
JAKARTA/OBS	06 11 S	106 50 E	8	30	1009.2	1010.2	26.3		26.4		15	107	+ 19		
BOGAR/ATANGSENJAYA	06 33 S	106 54 E	171	30	989.3	1009.2	25.3		25.8		21	351			
JAKARTA HALIM PERDANAKUSUMA	06 15 S	106 54 E	30	30	1007.4	1010.5	26.1		27.6		14	174	+ 65		
BANDUNG/HUSEIN	06 54 S	107 35 E	740	30	928.6	1014.6	21.6		21.1		26	265	+188		
BANDUNG	06 53 S	107 36 E	791	30	922.4	1010.8	21.7				23	27	- 54		
TEGAL	06 51 S	109 09 E	10	30	1011.2	1011.9	27.3		28.6		7	108	+ 63		
SURAKARTA/PANASAN	07 52 S	110 55 E	104	30	996.1	1008.9	27.8		27.7		18	145	+100		
JOGYAKARTA/ADISUCIPTO	07 47 S	110 26 E	107	30	996.5	1009.4	25.6		27.1		14	239	+210		
SURABAYA/JUANDA	07 22 S	112 46 E	3	30	1009.8	1010.9	27.0		25.5		0	0			
KALIANGET(MADURA)	07 03 S	113 58 E	3	30	1009.2	1009.5	27.5		27.1		1	11			
SURABAYA	07 13 S	113 43 E	3	30	1010.0	1010.7	27.9		25.6		1	114			
SURABAYA/PERAK	07 13 S	112 43 E	3	30	1009.9	1010.6	27.5		25.9		1	104	+ 58		
MENADO/DR SAM RATULANGI	01 32 N	124 55 E	80	30	1001.3	1010.8	25.5		27.1		21	306	+102		
UJUNG PANDANG/HASANUDDIN	05 04 S	119 33 E	14	30	1008.4	1010.4	26.2		27.2		12	177	-142		
DENPASAR/NGURAH-RAI	08 45 S	115 10 E	1	30	1011.1	1011.8	25.9		27.0		3	61	+ 19		
AMPENAN/REMBIGA	08 34 S	116 04 E	3	30	1009.4	1011.4	25.3		25.4		5	37	+ 3		
KUPANG/PENFUI	10 10 S	123 40 E	108	30	998.3	1010.0	25.7		22.0		0	0	- 2		
TEFMAN	00 56 S	131 07 E	3	30	1009.5	1010.2	26.8		29.8		21	562	+285		
MANOKWARI/RENDANI	00 53 S	134 03 E	3	30	1008.9	1009.2	26.0		28.5		18	141	- 8		
BIAK/MOKMER	01 11 S	136 07 E	11	30	1008.5	1009.9	26.0		29.2		24	199	- 21		
SENTANI	02 34 S	140 29 E	99	30	998.5	1008.7	26.6		27.5		9	36			
NABIRE	03 20 S	135 30 E	3	30	1008.5	1009.2	26.8		29.6		16	486			
AMBON	03 42 S	128 05 E	12	30	1009.3	1012.4	27.0		27.5		4	7	-391		

SURFACE DATA LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS 1 MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° '	° '	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
OCTOBER 1984															
NORTH AMERICA															
EL SALVADOR															
LOS ANDES	13 53 N	89 39 W	1770				16.1	- 0.1	16.0	-0.4	10	75	-153		
ACAJUTLA	13 34 N	89 50 W	15		1008.7	1011.5	27.0	+ 0.6	28.9	+0.6	7	97	-195	1	
SOUTH AMERICA															
BRAZIL-NORTHERN															
SAO FELIX DO XINGU	06 38 S	51 59 W	150		989.4	1010.8	26.0		28.6		14	89			
BRAZIL SOUTHERN															
TRINIDADE/ILHA/	20 30 S	29 19 W	21		1017.9	1018.3	24.7		23.0		4	18			
ALEGRETE	29 47 S	55 47 W	103		997.7	1012.0			19.0	+3.0	8	121	- 70	2	
EUROPE															
GERMAN DEMOCRATIC REP															
WARNEMUNDE	54 11 N	12 05 E	10	31	1012.0	1013.2	11.2	+ 1.6	11.7	+1.3	12	60	+ 8	4	99
GREIFSWALD	54 06 N	13 23 E	5	31	1012.7	1013.5	11.1	+ 1.9	11.3	+1.3	12	45	- 6	2	101
POTSDAM	52 23 N	13 04 E	94	31	1004.7	1016.1	10.9	+ 2.0	10.8	+1.2	9	43	- 4	3	93
LINDENBERG	52 13 N	14 07 E	99	31	1002.7	1016.3	10.5	+ 1.6	10.6	+1.0	8	39	- 3	3	81
LEIPZIG-SCHKEUDITZ	51 25 N	12 14 E	133	31	1000.9	1017.1	11.0	+ 1.9	10.7	+1.2	8	35	- 11	2	119
DRESDEN-KLOTZSCHE	51 08 N	13 46 E	226	31	990.4	1017.7	11.3	+ 2.2	10.8	+1.5	8	33	- 19		107
GORLITZ	51 10 N	14 57 E	238	31	989.0	1017.7	10.6	+ 2.2	10.6	+1.3	7	37	- 17	3	101
ERFURT-BINDERSLEBEN	50 59 N	10 58 E	323	31	979.0	1017.8	10.4	+ 2.4	10.1	+0.9	10	54	+ 9	4	111
MEININGEN	50 33 N	10 22 E	456	31	964.4	1018.6	8.7	+ 1.5	9.9	+1.3	13	58	+ 3		
FICHTELBERG	50 26 N	12 57 E	1215	31	879.4	1492 Y	5.5	+ 2.0	7.8	+0.6	8	49	- 40	2	115
CZECHOSLOVAKIA															
CHEB	50 05 N	12 24 E	471	31	962.7	1019.0	9.0	+ 1.6	9.7	+1.0	4	19	- 26	1	113
PRAHA/RUZYNE	50 06 N	14 17 E	381	31	974.7	1019.0	9.4	+ 1.2	9.5	+0.7	3	20	- 22	2	109
LIBUS	50 00 N	14 27 E	305	31	982.4	1019.0	10.4		9.6		3	21			
BRNO/TURANY	49 09 N	16 42 E	246	31	990.2	1019.9	10.1	+ 1.0	10.0	+1.0	4	25	- 16	2	112
OSTRAVA/MOSNOV	49 47 N	18 62 E	256	31	988.3	1019.2	10.5	+ 2.3	10.0	+1.0	7	31	- 20	2	107
SLIAC	48 38 N	19 09 E	318	31	982.6	1020.6	10.2	+ 2.1	9.9	+1.1	5	43	- 14	3	79
POPRAD/TATRY	49 04 N	20 15 E	709	31	937.0		8.6	+ 2.3	8.5	+0.9	7	60	+ 18	5	95
YUGOSLAVIA															
ZAGREB/GRIC	45 49 N	15 59 E	163	31	1001.6	1021.2	12.8	+ 1.0	10.3		9	70	- 18	3	108
BEOGRAD	44 48 N	20 28 E	132	31	1005.3	1021.1	14.1	+ 1.6	11.6		4	12	- 43	1	89
SARAJEVO	43 52 N	18 26 E	637	31	947.4	1022.5	11.0	+ 0.6	10.2		7	123	+ 21	4	100
SPLIT/MARJAN	43 31 N	16 26 E	128	31	1004.5	1019.8	17.5	+ 0.7	12.8		10	60	- 44		
TITOGRAD/GOLUBOVCI	42 22 N	19 15 E	33	31	1014.0	1020.3	16.9	+ 0.7	15.0		7	150	- 73	3	76
SKOPJE-PETROVAC	41 57 N	21 38 E	233	31	992.4	1021.1	14.0	+ 1.5	11.1		2	7	- 51	1	
AFRICA															
LIBYAN ARAB REP															
TRIPOLI INTL. AP	32 41 N	13 10 E	84	31	1008.0	1017.3	22.7		18.4		4	79			74
BENINA	32 05 N	20 16 E	132	31	1002.5	1017.8	24.0		18.2		1	4			104
KUFRA	24 13 N	23 18 E	408	31	969.1	1015.1	24.1		7.3		0	0			102
GAMBIA															
BATHURST/YUNDUM	13 21 N	16 40 W	26		1007.6	1011.3	25.7		29.8		0	0			
ASIA															
SYRIAN ARAB REPUBLIC															
KAMISHLI	37 03 N	41 13 E	455	31	962.6	1014.3	21.2	- 0.1	7.4	-1.7	6	21	+ 4		78
DEIR EZZOR	35 19 N	40 09 E	212	31	987.0	1011.4	20.3	- 0.9	8.1	-2.0	4	18	+ 12		70
PALMYRA	34 33 N	38 18 E	404	31	968.6	1015.5	19.6	- 1.0	8.6	-1.9	4	13	+ 6		70
DAMASCUS/NEW INTL AP	33 25 N	36 31 E	611	31	945.8	1015.1	17.5	- 0.7	9.2	+0.1	3	25	+ 20		70
HAMA	35 08 N	36 43 E	309	31	981.3	1017.1	18.9	- 1.4	10.8	-1.0	4	139	+125		
ALEPPO	36 11 N	37 13 E	393	31	971.3	1016.5	19.3	- 0.2	9.4	-2.6	4	12	- 8		75
INDIA															
MUKTESWAR KUMAON	29 28 N	79 39 E	2311	31	774.3	3156 Z	14.6	+ 0.5	15.7	+5.8	2	3	- 76	2	
AGRA	27 10 N	78 02 E	169	31	991.7	1010.1	26.5	+ 0.3	16.6	-0.5	0	0	- 23	3	
ALLAHABAD/BAMHRAULI	25 27 N	81 44 E	98	31	998.2	1009.1	26.5	0.0	21.7	-0.2	2	32	- 8	3	
BURMA															
MYITKYINA	25 22 N	97 24 E	147		995.6	1013.0	26.1		27.9		12	40		1	
MANDALAY	21 59 N	96 06 E	76		1003.6	1012.4	28.1		28.8		5	6		2	
AKYAB	20 08 N	92 53 E	5		1010.2	1010.8	27.8		30.6		10	33			
RANGOON	16 46 N	96 10 E	23		1010.1	1012.2	27.2		30.0		10	19		3	
AUSTRALASIA															
INDONESIA															
MEDAN/POLONIA	03 34 N	98 41 E	25	31	1007.3	1010.5	26.2		28.0		25	340	+ 84		
GUNUNG SITOLI/BINAKA	01 16 N	97 37 E	6	31	1009.6	1010.6	24.7		27.5		20	431			
SIBOLGA/PINANGSORE	01 33 N	98 53 E	3	31	1010.2	1010.9	25.3		27.3		26	476	- 22		

SURFACE DATA LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	NUMBER OF DAYS OF OBSNS.	PRESSURE MEAN STATION	PRESSURE MEAN SEA LEVEL	TEMPERATURE MEAN	TEMPERATURE DEPARTURE	VAPOR PRESSURE MEAN	VAPOR PRESSURE DEPARTURE	PRECIPITATION NO. OF DAYS ≥ MM.	PRECIPITATION TOTAL	PRECIPITATION DEPARTURE	PRECIPITATION QUINTILE	SUN-SHINE PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
OCTOBER 1984															
AUSTRALASIA															
INDONESIA															
PAKANBARU/SIMPANGTIGA	00 28 N	101 27 E	31	31	1006.2	1010.4	26.5		27.1		19	202	- 73		
TAREMPA	03 12 N	106 15 E	3	31	1007.2	1007.7	27.3		29.4		14	153			
PADANG/TABING	00 53 S	100 21 E	3	31	1011.4	1012.1	25.7		27.0		21	523	+ 34		
RENGAT/JAPURA	00 26 S	102 27 E	46	31	1009.3	1011.3	26.5		28.6		17	253	+ 13		
PALEBANG/TALANGBETUTU	02 54 S	104 42 E	10	31	1009.6	1011.1	27.1		29.4		14	158	- 16		
BELAWAN	03 48 N	98 42 E	3	31	1009.1	1009.8	26.0		29.9		15	187			
SERUI/YENDOSA	01 52 S	136 14 E	3	31	1007.5	1008.2	26.8		29.9		15	414	+146		
PONTIANAK/SUPADIO	00 01 S	109 23 E	0	31	1009.9	1010.5	26.1		29.2		20	300	- 32		
KETAPANG/RAHADI USMAMAN	01 51 S	109 58 E	9	31	1010.3	1011.7	26.5		30.0		11	169			
JAKARTA/KEMAYORAN	06 09 S	106 51 E	5	31	1010.5	1011.2	27.6		27.9		4	35	- 64		
JAKARTA/OBS	06 11 S	106 50 E	8	31	1009.9	1010.9	27.4		26.6		11	80	- 11		
TEGAL	06 51 S	109 09 E	10	31	1011.2	1011.9	27.3		28.6		7	88	+ 45		
SURABAYA/PERAK	07 13 S	112 43 E	3	31	1001.1	1010.4	28.4		27.7		7	65	+ 19		
MENADO/DR SAM RATULANGI	01 32 N	124 55 E	80	31	1001.4	1010.9	26.3		27.1		15	142	+ 76		
UJUNG PANDANG/HASANUDDIN	05 04 S	119 33 E	14	31	1008.7	1010.7	26.7		26.4		7	28	- 99		
DENPASAR/NGURAH-RAI	08 45 S	115 10 E	1	31	1011.1	1011.8	26.5		28.5		4	78	- 10		
AMPENAN/REMBIGA	08 34 S	116 04 E	3	31	1009.5	1011.5	26.4		27.9		9	229	+166		
SUMBAWABESAR	08 26 S	117 25 E	3	31	1009.8	1010.5	27.6		26.2		7	20	- 15		
MAUMERE/WAI OTI	08 38 S	122 15 E	3	31	1007.9	1011.4	27.8				3	32	+ 2		
WAINGAPU/MAU HAU	09 40 S	120 20 E	12	31	1010.2	1011.7	27.3		25.6		3	45	- 42		
KUPANG/PENFUI	10 10 S	123 40 E	108	31	998.0	1009.8	27.7		22.0		1	34	- 9		
MANOKWARI/RENDANI	00 53 S	134 03 E	3	31	1007.7	1008.0	25.8		28.4		10	130	- 20		
FAK-FAK/TOREA	02 53 S	132 15 E	130	31	1007.6	1008.3	27.2		30.0		12	196			
BIAK/MOKMER	01 11 S	136 07 E	11	31	1007.8	1009.2	27.1		29.8		13	123	- 69		
SENTANI	02 34 S	140 29 E	99	31	998.0	1008.1	26.7		28.7		13	90			
NABIRE	03 20 S	135 30 E	3	31	1007.6	1008.3	27.2		30.0		12	196	- 84		
AMBON	03 42 S	128 05 E	12	31	1008.9	1010.4	28.7		28.4		9	92	- 52		

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 1 MM.	TOTAL	DEPARTURE	QUINTILE	PERCENTAGE OF LONG-TERM AVERAGE
	° ′	° ′	METERS		MB	MB	°C	°C	MB	MB		MM	MM		%
SEPTEMBER 1984															
NORTH AMERICA															
CANADA-WESTERN WHITEHORSE	60 43 N	135 04 W	703						6.8	-0.2					
SOUTH AMERICA															
BRAZIL-NORTHERN CAROLINA	07 20 S	47 28 W	183						23.1		4				

UPPER AIR DATA

NOVEMBER 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																																									
ALASKA																																									
BARROW	2	1,018		-22.0	2.9					1,349	0	-18.0	5.9	0	88	79	9	2,789	0	-22.5	8.1	0	68	66	6	5,196	0	-36.0	6.6	0	40	4	4	8,588	1	-55.0		1	55	309	9
		1,171	3	-54.9		3	75	292	8	1,018	3	-53.6		3	80	270	8	5,627	4	-53.8		4	86	261	11	20,072	9	-54.9		9	89	253	16	23,371	14	-54.3		14	93	241	21
BARTER ISLAND	2	1,014		-24.6	3.3					1,319	0	-17.6	5.3	0	62	94	5	2,762	0	-22.4	6.4	1	35	59	2	5,164	0	-36.7	6.3	0	32	324	3	8,553	0	-54.2		2	45	291	6
		1,157	0	-52.4		2	65	279	7	1,021	0	-51.5		2	74	270	8	5,653	0	-51.9		2	83	261	11	20,129	1	-53.9		3	88	263	15	23,397	4	-55.0		6	88	264	19
KOTZEBUE	2	1,006		-13.3	4.7					1,289	0	-12.3	6.9	2	78	105	6	2,760	0	-17.6	9.2	1	25	97	2	5,212	1	-32.4	8.8	1	20	270	2	8,634	2	-54.3		2	43	273	5
		1,216	1	-54.8		1	70	257	7	1,066	1	-52.6		2	81	247	8	5,688	2	-51.5		2	87	242	11	20,181	2	-52.4		3	89	246	15	23,539	14	-50.2		15	88	248	17
NOME	2	1,000		-8.6	3.2					1,263	0	-9.9	4.9	6	70	99	4	2,746	0	-16.3	7.3	4	27	127	2	5,207	0	-31.5	7.4	2	31	208	3	8,640	0	-54.2		0	38	229	5
		1,224	0	-54.6		0	70	235	6	1,071	1	-52.4		1	77	237	7	5,697	3	-51.0		3	85	235	10	20,200	3	-52.1		3	88	244	12	23,504	3	-52.5		3	84	250	14
FAIRBANKS	2	990		-19.1	2.7					1,293	1	-11.6	4.7	3	57	112	3	2,768	1	-17.7	7.1	1	41	230	3	5,212	1	-32.8	8.7	1	54	266	7	8,635	1	-54.7		1	46	287	9
		1,229	1	-52.7		2	58	280	8	1,097	2	-51.2		2	73	267	9	5,733	2	-51.4		2	81	263	9	20,220	2	-53.2		3	81	266	10	23,533	5	-53.5		6	76	262	10
MCGRATH	2	991		-16.7	3.4					1,283	4	-9.0	6.3	5	30	119	2	2,767	4	-16.5	7.7	5	26	241	2	5,227	4	-31.4	8.8	5	39	281	5	8,696	10	-52.9		10	59	295	9
		1,288	10	-54.9		10	73	290	9	1,139	10	-52.4		10	85	278	9	5,761	10	-52.7		10	91	271	10	20,226	10	-54.5		10	87	267	10	23,495	12	-56.6		12	80	265	11
BETHEL	2	993		-8.8	2.9					1,259	0	-6.5	4.6	3	25	167	2	2,754	0	-14.7	7.5	0	33	184	2	5,221	0	-31.5	6.5	0	27	189	3	8,641	1	-53.5		1	28	229	4
		1,245	1	-52.8		1	51	235	5	1,110	1	-50.9		1	76	244	8	5,752	1	-50.6		1	82	243	9	20,261	1	-52.1		1	84	256	9	23,560	2	-52.7		3	65	260	7
ANCHORAGE	2	995		-6.5	3.0					1,281	0	-6.9	6.1	9	35	151	2	2,772	0	-15.8	6.6	5	40	204	3	5,232	0	-31.7	7.3	5	29	270	4	8,664	3	-54.0		4	33	276	6
		1,257	3	-53.3		4	56	269	8	1,121	3	-51.5		4	65	254	6	5,755	3	-51.7		4	77	259	8	20,240	3	-53.5		3	78	268	8	23,519	3	-54.5		3	59	269	7
ST. PAUL	2	992		1.9	2.9					1,239	0	-5.7	2.5	4	36	236	4	2,736	0	-14.7	6.9	1	48	217	5	5,203	0	-31.8	8.1	0	37	210	5	8,636	0	-52.3		1	46	219	9
		1,260	0	-51.0		1	71	229	10	1,138	0	-49.8		1	81	238	11	5,789	0	-50.1		2	88	239	11	20,310	1	-51.7		2	89	240	9	23,611	1	-53.0		2	55	236	6
COLD BAY	2	991		2.3	1.8					1,254	0	-4.6	4.0	4	32	250	3	2,760	0	-13.3	8.1	3	49	249	6	5,236	1	-30.6	7.6	2	47	233	8	8,691	0	-52.0		0	51	236	12
		1,321	1	-50.8		1	73	250	13	1,197	1	-50.5		1	85	252	14	5,840	1	-51.1		1	87	253	12	20,326	1	-53.4		1	70	255	7	23,611	3	-53.8		3	21	265	2
KING SALMON	2	995		-5.0	2.8					1,261	0	-5.1	4.2	4	34	183	3	2,761	0	-13.9	8.0	1	38	215	4	5,235	2	-30.8	9.1	2	27	213	3	8,673	1	-52.6		2	32	239	6
		1,289	1	-52.3		3	55	253	7	1,160	1	-50.4		3	77	256	9	5,806	1	-50.7		4	78	255	10	20,316	3	-52.1		5	72	251	7	23,619	4	-52.9		5	35	255	4
YAKUTAT	2	999		-0.9	3.0					1,304	0	-5.1	3.9	3	56	157	3	2,802	0	-15.0	6.7	1	37	206	2	5,265	0	-31.5	7.8	1	56	243	6	8,699	1	-53.6		2	49	259	8
		1,300	1	-52.4		2	69	263	9	1,165	1	-51.1		1	75	266	10	5,802	1	-51.3		1	82	263	9	20,294	2	-52.8		2	63	268	6	23,591	8	-53.7		8	40	268	4
ANNETTE ISLAND	2	1,002		2.9	2.9					1,352	1	-4.2	3.3	4	64	187	6	2,857	1	-13.5	8.3	2	63	222	6	5,339	1	-29.6	8.9	1	61	243	8	8,790	2	-52.8		2	74	251	15
		1,400	3	-52.7		3	88	254	14	1,264	3	-51.4		3	90	258	13	5,894	3	-52.5		4	89	262	11	20,356	4	-54.2		4	64	261	6	23,638	4	-53.6		4	24	263	2
CANADA-WESTERN																																									
MOULD BAY	2	1,009		-26.8	1.6					1,321	2	-22.3	3.5	1	46	1	4	2,737	2	-26.4	5.4	1	41	334	4	5,105	2	-39.8	6.5	1	37	315	5	8,452	2	-55.7	7.1	1	40	300	6
		1,059	3	-51.6		1	57	290	5	12,925	3	-52.0		1	71	284	7	15,541	4	-53.3		1	86	279	9	19,968	4	-57.0		1	92	281	16	23,232	8	-58.3		7	95	279	26
SACHS HARBOUR	2	1,004		-22.9	1.6					1,321	1	-19.9	2.6	1	27	22	2	2,750	1	-24.7	5.1	1	25	332	2	5,132	1	-38.7	7.0	1	29	327	3	8,489	1	-55.1	7.3	1	46	296	5
		1,104	1	-50.8		1	79	288	8	12,975	2	-51.0		1	83	284	9	15,615	3	-51.6		1	87	279	11	20,094	4	-53.9		1	90	283	15	23,380	5	-55.5		2	92	281	21
CAMBRIDGE BAY	2	1,011		-22.8	1.9					1,311	1	-18.1	2.9	1	42	262	4	2,748	1	-23.2	5.0	1	44	258	4	5,143	1	-37.6	6.0	1	47	251	6	8,513	1	-54.9	7.1	1	65	251	9
		1,130	1	-50.9		1	90	267	10	13,002	1	-50.8		1	94	271	10	15,636	1	-51.9		1	95	274	11	20,093	5	-55.5		1	93	285	14	23,442	9	-54.9		4	93	290	17
INUVIK	2	1,002		-22.3	2.9					1,320	1	-18.5	3.2	1	12	150	1	2,759	1	-22.4	5.2	1	33	281	2	5,160	1	-36.9	7.3	1	66	290	6	8,546	1	-53.9	7.7	1	75	290	11
		1,162	1	-51.0		1	77	284	10	13,041	2	-50.4		1	80	281	10	15,681	2	-50.8		1	83	276	11	20,171	4	-52.6		1	87	281	13	23,453	4	-54.5		1	89	281	17
NORMAN WELLS	2	938		-18.0	3.0					1,322	1	-16.2	3.3	1	26	77	2	2,772	1	-20.1	6.3	1	75	272	5	5,189	1	-35.2	6.8	1	85	273	11	8,589	1	-53.9	7.9	1	86	275	16
		1,206	2	-51.2		1	84	275	12	13,080	2	-50.5		1	85	275	11	15,726	3	-51.1		1	85	274	11	20,212	5	-53.0		1	85	281	11	23,491	5	-54.8		1	86	287	13
WHITEHORSE	2	920		-11.1	2.2					1,316	2	-10.1	2.2	1	82	166	5	2,801	1	-15.6	6.4	1	70	236	6	5,261	1	-32.2	6.7	1	71	254	8	8,688	1	-53.9	8.4	1	64	267	12
		1,282	1	-52.5		1	75	267	11	13,147	1	-51.5		1	79	266	10	15,777	2	-51.3		1	78	263	10	20,253	4	-53.2		1	74	273	8								
FORT NELSON	2			-8.4	2.4					1,348	2	-11.4	3.6	1	46	251	3	2,827	2	-16.0	4.7	1	71	267	7	5,292	2	-30.5	6.9	1	83	267	14	8,740	2	-53.3	7.3	1	84	261	18
		1,335	2	-52.8		1	89	263	16	13,196	2	-51.4		1	89	266	14	15,824	2	-52.1		1	87	265	12	20,307	5	-52.9		1	76	270	8	23,591	5	-54.2		1	67	282	8
FORT SMITH	2	989		-16.1	1.9					1,352	1	-12.2	4.2	1	39	229	3	2,826	1	-16.9	6.5	1	65	260	6	5,283	1	-31.0	6.9	1	84	270	13	8,736	2	-53.5	7.0	2	82	265	19
		1,329	2	-53.3		3	89	267	16	13,189	2	-51.6		3	92	268	14	15,816	2	-52.1		3	91	269	12	20,283	3	-53.7		3	83	277	10	23,581	4	-53.9		3	76	284	10
PRINCE GEORGE	2	929		-4.9	1.1					1,379	1	-5.3	2.8	1	78	196	6	2,885	1	-12.3	6.0	1	83	245	9	5,382	1	-27.6	8.3	1	88	247	14	8,866	1	-52.4	8.2	1	83	252	20
		1,451	1	-54.4		1	88	259	20	13,302	1	-53.1		1	92	261	17	15,911	1	-53.4		1	92	262	14	20,438	3	-54.7		1	71	261	8	23,619	3	-53.7		1	38	267	5
EDMONTON STONY PLAIN	2	920		-9.3	1.6					1,383	1	-5.2	6.5	1	43	269	3	2,891	1	-11.3	5.7	1	92	272	9	5,396	1	-27.3	6.8	1	90	272	14	8,886	1	-51.7	7.3	1	81	261	21
		1,472	1	-55.4		1	88	265	20	13,317	2	-53.2		1	93	267	18	15,922	2	-54.3		1	93	264	14	20,361	5	-55.6		1	75	263	9	23,628	7	-54.4		1	43	270	5
THE PAS	2	982		-11.5	3.0					1,386	1	-8.3	5.3	1	23	299	2	2,883	1	-12.9	6.6	1	66	290	7	5,382	1	-26.7	7.3	1	78	281	12	8,881	1	-51.0	8.1	1	74	278	18
		1,476	1	-54.4		1	85	275	17	13,326	1	-52.6		1	89	272	16	15,939	1	-53.3		1	90	270	15	20,394	3	-54.6		1	81	270	10	23,656	4	-55.3		1	62	277	8
VERNON	2	946		0.0	2.7					1,414	1	-2.9	2.4	1	80	194	7	2,932	1	-10.3	3.5	1	85	240	12	5,451	1	-25.4	7.1	1	87	251	15	8,963	1	-50.4	8.7	1	84	255	22
		1,558	1	-55.5		3	88	263	21	13,394	1	-54.1		4	91	264	18	15,989	1	-55.3		4	93	259	14	20,389	3	-56.1		3	75	250	7	23,645	4	-55.4		3	21	237	2
PORT HARDY	2									1,369	2	-2.1	4.2	1	61	191	5	2,891	2	-9.7	8.5	1	79	224	8	5,408	2	-26.3	9.7	1	82	235	13	8,902	2	-51.1	10.2	1	77	243	19
		1,506	3	-53.6		1	89	257	21	13,360	3	-52.9		1	93	261	18	15,965	3	-54.6		1	93	260	15	20,372	4	-56.7		1	73	265	7	23,630	6	-54.8		1	26	247	3
CANADA-EASTERN																																									
ALERT	2	1,008		-26.7	2.4					1,314	1	-21.7	3.4	1	23	49	2	2,743	1	-23.4	6.0	1	44	150	3	5,141	1	-37.1	6.2	1	52	159	6	8,509	1	-56.9	6.6	1	58	177	9
		1,077	1	-55.6		1	70	204	8	12,906	1	-56.4		1	72	221	7	15,462	1	-59.2		1	70	253	8	19,762	5	-64.6		1	75	284	13	22,873	9	-67.2		8	87	302	23
EUREKA	2	1,015		-34.9						1,300	1	-23.0	3.5	1	34	113	2	2,718	1	-25.7	6.3	1	48	129	3	5,095	1	-38.7	6.5	1	46	137	4	8,457	1	-55.3	7.5	1	51	152	6
		1,051	1	-53.4		1	51	201	5	12,900	1	-54.3		1	58	228	5	15,484	2	-56.4		1	70	261	7	19,840	3	-61.0		1	80	282	13	22,996	4	-63.6		1	86	291	19
RESOLUTE	2									1,303	5	-21.4	2.5	1	29	258	3	2,723	5	-26.2	4.8	1	39	280	4	5,093	5	-39.3	6.1	1	49	272	6	8,449	7	-54.8	7.2	1	52	264	6
		1,052	9	-52.2		2	65	255	6	12,910	2	-52.9		5	70	255	6	15,525	12	-53.8		1	82	273	9	19,985	14	-55.9		1	90	285	14	23,246	15	-58.3		8	95	295	22
HALL BEACH	2	1,012		-17.5	1.9					1,315	1	-17.4	4.7	2	44	303	3	2,756	1	-22.5	5.4	2	48	286	4	5,160	2	-36.8	5.8	1	54	276	7	8,542	2	-54.4	7.2	1	65	270	10
		1,151	3	-51.6		1	79	261	9	13,018	3	-51.5		1	82	261	10	15,640	3	-52.9		1	82	267	10	20,070	5	-57.0		1	85	280	13	23,277	5	-60.1		1	82	289	16
BAKER LAKE	2	1,012		-20.1	1.9					1,349	3	-17.0	3.8	1	47	260	4	2,795	3	-21.5	5.4	1	68	268	7	5,207	2	-34.8	6.9	1	74	266	11	8,619	2	-53.5	7.7	1	81	265	18
		1,225	3	-52.0		1	92	271	13	13,091	3	-51.5		2	95	272	13	15,720	3	-52.0		1	93	273	12	20,185	4	-54.4		2	89	282	13	23,445	5	-56.7		1	84	285	14
CORAL HARBOUR	2	1,009		-19.1	2.4					1,350	1	-15.5	7.1	1	46	305	4	2,802	1	-20.8	7.8	1	56	290	5	5,222	1	-34.5	7.2	1	59	281	7	8,635	2	-53.3	7.7	1	73	271	13
		1,245	2	-51.9		1	85	270	13	13,112	2	-50.9		1	89	270	12	15,747	2	-51.8		1	89	269	12	20,222	5	-54.5		1	85	279	13	23,472	5	-57.3		1	81	286	15
FROBISHER BAY	2	1,009		-14.5	2.9					1,322	1	-14.4	6.0	1	43	336	4	2,779	1	-20.3	5.9	1	35	313	4	5,208	1	-33.5	8.2	1	44	285	6	8,633	1	-52.6	8.2	1	62	265	11
		1,252	2	-51.4		1	77	263	11	13,120	2	-51.2		1	82	265	11	15,749	2	-52.4		1	82	265	12	20,185	3	-56.3		1	81	277	13	23,405	4	-58.8		1	77	286	16

UPPER AIR DATA

NOVEMBER 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																																									
CANADA-EASTERN																																									
CHURCHILL	2	1,014		-12.5	2.1					1,370	1	-12.5	6.2	1	22	327	2	2,839	1	-17.9	6.6	1	46	290	4	5,295	1	-30.2	6.1	1	70	270	11	8,757	1	-52.6	7.3	1	75	269	18
		11,346	1	-53.9		1	88	273	17	13,204	1	-52.1		1	90	272	16	15,827	1	-52.6		1	88	273	14	20,283	2	-54.6		1	84	277	12	23,542	2	-56.0		1	77	281	12
INUCDJOUAC	2	1,011		-7.8	2.1					1,348	1	-11.5	4.3	1	24	311	2	2,823	1	-17.1	6.0	1	48	295	5	5,284	1	-30.2	6.6	1	66	285	10	8,745	1	-51.7	8.0	1	71	279	17
		11,360	1	-51.7		2	80	269	16	13,230	2	-50.7		2	83	268	14	15,861	2	-52.4		2	86	267	13	20,329	5	-55.6		2	81	276	11	23,577	6	-56.7		4	75	275	11
FORT CHIMO	2									1,338	2	-12.0	3.9	1	55	300	6	2,810	2	-17.5	7.0	1	59	291	7	5,265	2	-30.9	8.0	1	66	276	12	8,729	2	-50.6	8.8	1	69	256	19
		11,355	2	-51.2		1	81	262	19	13,227	2	-50.9		1	84	266	16	15,853	2	-53.0		1	85	268	15	20,298	4	-55.9		1	78	275	11	23,534	4	-57.4		1	76	287	13
TROUT LAKE	2	987		-9.2	1.6					1,376	1	-8.6	4.2	1	37	298	4	2,871	1	-13.1	8.4	1	59	288	7	5,371	1	-27.0	7.7	1	62	278	10	8,864	1	-51.7	8.5	1	69	273	16
		11,465	1	-53.5		1	83	271	17	13,325	1	-51.9		1	87	268	16	15,942	1	-53.6		1	90	270	15	20,378	3	-55.8		1	81	275	11	23,625	3	-56.2		1	65	284	8
NITCHEQUON	2	947		-6.9	1.1					1,381	2	-9.3	3.2	1	51	271	6	2,869	2	-14.6	7.0	1	73	276	11	5,361	2	-27.0	8.0	1	79	274	18	8,865	2	-49.7	9.7	1	79	262	25
		11,485	3	-52.6		1	87	262	24	13,343	3	-52.4		1	88	262	20	15,955	3	-53.7		1	88	265	16	20,374	5	-55.9		2	79	272	10	23,623	6	-56.5		2	70	285	10
MOOSONEE	2	1,013		-4.5	1.7					1,382	1	-7.6	3.7	1	71	266	7	2,884	1	-11.8	7.2	1	75	267	10	5,394	1	-26.1	9.2	1	76	266	14	8,907	1	-49.3	8.7	1	72	262	20
		11,524	1	-53.6		1	83	262	22	13,376	1	-52.8		1	87	262	20	15,980	1	-54.8		1	88	267	15	20,390	2	-56.5		1	79	272	10	23,634	2	-55.9		1	66	277	9
SEPT-ILES	2	1,007		-2.8	3.3					1,390	1	-4.2	6.7	1	53	284	6	2,904	1	-10.4	7.8	1	76	276	12	5,433	1	-23.6	7.8	1	79	268	18	8,980	1	-48.0	9.2	1	79	262	25
		11,603	1	-53.7		1	87	261	25	13,452	1	-53.6		1	90	263	23	16,037	2	-55.1		1	88	264	18	20,438	3	-56.7		1	82	274	11	23,674	3	-57.1		2	68	290	10
GOOSE	2	1,004		-3.7	2.5					1,342	1	-7.6	3.7	1	65	302	9	2,841	1	-12.5	6.2	1	69	292	12	5,349	1	-25.5	8.7	1	77	276	18	8,893	2	-47.8	8.9	2	79	268	27
		11,524	2	-52.4		2	88	269	25	13,385	2	-52.3		2	90	265	21	15,994	2	-54.2		1	89	266	17	20,398	3	-57.2		1	84	274	12	23,613	5	-58.1		1	76	293	11
MANIWAKI	2	996		-1.9	2.3					1,426	1	-2.9	5.5	1	60	272	7	2,948	1	-9.0	8.8	1	66	265	11	5,487	1	-22.8	10.3	1	75	262	16	9,043	2	-46.7	10.7	1	74	261	23
		11,673	2	-53.7		1	81	262	24	13,519	2	-54.4		1	89	262	22	16,093	3	-56.8		1	89	264	18	20,470	3	-56.7		1	73	266	9	23,714	3	-55.7		2	54	283	7
STEPHENVILLE	2									1,403	3	-2.3	4.9	2	77	272	10	2,933	3	-6.6	8.8	2	84	274	16	5,492	3	-20.9	9.8	2	85	272	21	9,072	3	-46.3	9.6	3	84	268	26
		11,695	3	-54.6		4	84	265	25	13,534	3	-54.8		4	88	265	22	16,112	3	-57.2		4	88	264	17	20,468	5	-57.7		5	83	282	9	23,689	6	-58.5		4	74	299	9
SHELBURNE	2	1,013		3.4	2.0					1,451	1	1.3	11.3	1	67	268	8	2,996	1	-5.1	14.7	1	78	268	11	5,568	1	-19.9	14.6	1	73	260	16	9,171	1	-44.4	12.0	1	77	260	24
		11,805	1	-54.8		2	83	258	24	13,640	1	-55.9		2	87	257	23	16,196	1	-59.7		2	83	260	15	20,535	4	-57.9		1	75	274	7	23,765	4	-56.4		1	61	309	7
SABLE ISLAND	2	1,015		6.4	3.2					1,477	2	0.8	9.2	2	72	274	9	2,994	2	-4.2	13.2	2	83	269	13	5,570	2	-19.6	11.8	2	86	265	19	9,174	2	-44.7	10.2	2	84	258	26
		11,806	2	-55.3		2	88	260	27	13,637	2	-56.4		2	89	262	24	16,192	3	-60.3		2	89	266	17	20,527	4	-59.0		2	80	283	7	23,735	7	-58.2		3	63	319	7
ST. JOHN'S (TORBAY)	2									1,410	1	-0.6	9.2	1	76	282	10	2,946	1	-6.1	12.4	1	83	278	14	5,511	1	-20.7	9.8	1	83	270	20	9,100	1	-45.1	10.1	1	82	266	27
		11,741	3	-53.8		2	87	265	27	13,582	3	-55.0		5	90	269	24	16,160	3	-57.0		2	89	269	20	20,525	3	-57.4		2	84	285	9	23,735	5	-58.8		2	76	302	9
UNITED STATES-NORTHWEST																																									
QUILLAYUTE	2	1,002		5.3	1.0					1,396	0	-0.1	4.0	1	82	197	10	2,928	0	-8.5	3.9	1	87	224	12	5,459	0	-24.8	6.5	2	83	239	14	8,976	1	-49.1		2	82	251	24
		11,591	1	-54.6		3	89	264	25	13,443	2	-54.6		5	91	266	21	16,028	3	-55.9		4	95	265	16	20,412	6	-57.9		7	86	265	8	23,654	8	-56.0		10	38	253	4
MEDFORD	2	968		5.0	1.7					1,456	0	2.1	4.1	2	80	202	7	3,003	0	-5.6	7.6	1	81	244	14	5,565	0	-21.5	7.8	0	81	261	18	9,148	1	-46.1		1	75	270	29
		11,772	1	-56.1		3	86	275	31	13,596	1	-57.5		3	90	270	27	16,137	1	-60.6		3	94	265	19	20,442	5	-60.4		5	88	265	7	23,645	7	-58.2		9	53	258	4
SPOKANE	2	929		0.8	1.6					1,433	0	-0.6	4.4	0	79	215	7	2,962	0	-8.8	5.4	0	87	237	10	5,495	0	-24.4	6.7	0	87	248	16	9,023	0	-49.4		0	80	257	25
		11,625	0	-55.8		0	86	265	27	13,457	1	-55.0		2	89	265	20	16,038	1	-56.7		2	91	262	15	20,423	4	-57.5		4	76	254	6	23,659	6	-55.9		6	13	205	1
GREAT FALLS	2	883		0.2	6.7					1,427	2	2.5	10.6	4	91	235	9	2,967	1	-7.2	9.0	3	91	272	12	5,512	0	-23.8	7.1	2	85	269	14	9,054	1	-49.4		4	72	259	20
		11,645	2	-56.9		5	82	260	21	13,475	1	-55.2		4	92	270	20	16,056	1	-56.6		4	91	265	15	20,437	1	-57.6		4	74	256	7	23,682	6	-56.0		9	11	224	1
BISMARCK	2	954		-4.6	3.6					1,418	0	-0.4	7.9	0	66	288	7	2,955	0	-6.9	9.6	0	82	288	11	5,506	0	-22.9	8.2	0	87	281	15	9,053	0	-49.0		0	78	278	18
		11,653	1	-55.5		1	83	274	22	13,495	1	-54.3		1	90	272	21	16,082	1	-56.7		1	91	266	16	20,450	5	-57.8		5	73	271	6	23,675	7	-56.7		8	36	267	4
HURON/HOWES MUN	2	968		-1.5	3.9					1,431	0	1.1	10.7	0	53	282	6	2,977	0	-5.4	11.0	0	74	278	10	5,540	0	-22.0	8.5	0	78	278	14	9,101	0	-47.5		0	75	276	19
		11,718	0	-55.0		0	86	271	24	13,560	1	-55.5		1	90	274	22	16,130	2	-58.6		2	91	271	15	20,471	6	-58.1		6	69	257	6	23,715	10	-56.1		11	36	241	4
RAPID CITY	2	901		-0.7	7.0					1,441	0	4.0	13.5	0	57	291	5	2,995	0	-4.5	11.9	0	81	294	10	5,560	0	-21.9	8.7	0	91	279	14	9,123	0	-47.2		0	79	282	22
		11,737	1	-55.8		1	90	275	25	13,571	1	-56.2		1	92	272	23	16,140	2	-59.0		2	89	269	15	20,479	5	-58.9		5	71	265	5	23,698	10	-56.9		10	27	239	3
BOISE	2	915		3.0	5.5					1,469	0	2.3	7.3	8	35	174	3	3,012	0	-6.5	7.3	7	74	249	9	5,568	0	-22.4	6.7	0	80	254	15	9,130	1	-47.1		1	67	270	24
		11,745	1	-55.6		1	81	270	27	13,578	1	-55.6		2	88	271	24	16,141	1	-59.4		1	89	268	17	20,473	3	-59.8		4	80	265	5	23,694	7	-56.7		7	17	202	1
WINNEMUCCA	2	868		0.1	5.0					1,476	0	3.3	6.4	2	50	203	2	3,031	0	-4.7	6.8	1	86	244	10	5,601	0	-20.5	8.1	0	77	267	17	9,196	0	-45.5		0	69	278	26
		11,823	0	-55.7		0	81	275	29	13,639	1	-57.0		1	88	271	26	16,182	2	-60.8		2	92	271	18	20,491	5	-60.1		5	88	271	7	23,701	6	-56.7		8	65	258	5
ELY	2	808		-2.3	5.2													3,052	0	-3.7	9.3	2	61	246	6	5,633	0	-19.7	10.1	0	77	269	16	9,247	1	-44.8		1	76	272	24
		11,897	3	-57.2		4	84	273	28	13,701	4	-58.8		5	88	269	26	16,221	4	-63.4		5	91	274	17	20,492	5	-61.1		5	89	276	7	23,687	6	-57.4		6	70	259	6
SALT LAKE CITY	2	872		3.5	5.0					1,492	0	3.7	7.5	0	60	177	3	3,048	0	-4.7	9.4	0	66	246	6	5,622	0	-20.6	8.4	0	76	258	13	9,207	0	-46.1		0	79	267	22
		11,834	0	-55.4		2	87	271	25	13,659	0	-57.5		3	90	269	23	16,195	0	-61.6		3	93	268	16	20,491	0	-60.4		1	85	268	6	23,702	0	-56.6		0	49	244	4
GRAND JUNCTION	2	853		1.4	8.2					1,529	9	1.9	9.3	9	81	124	3	3,060	0	-3.8	10.0	0	75	238	6	5,646	0	-18.6	10.7	1	75	270	14	9,251	0	-45.2		1	76	279	22
		11,881	1	-55.7		4	86	277	24	13,708	1	-57.2		4	90	274	23	16,241	2	-62.9		4	90	270	16	20,518	6	-60.1		6	94	272	6	23,734	6	-56.2		6	49	262	4
DENVER	2	835		-1.0	5.9													3,029	0	-1.4	14.5	1	82	281	7	5,621	0	-19.1	12.7	1	86	284	14	9,225	0	-45.5		1	75	282	22
		11,868	2	-56.3		5	86	273	25	13,699	4	-58.4		9	88	267	23	16,219	9	-62.6		14	93	263	15	20,485	16	-60.6		16	80	271	5	23,691	17	-57.4		18	62	256	3
NORTH PLATTE	2	917		-2.7	3.2					1,455	0	4.3	11.6	0	51	287	6	3,015	0	-3.6	10.9	0	76	287	10	5,593	0	-20.4	11.3	0	85	280	15	9,180	0	-46.2		1	82	273	24
		11,804	0	-55.4		4	86	275	25	13,635	0	-57.5		4	90	271	23	16,176	0	-61.1		3	89	271	15	20,479	0	-59.4		0	71	263	5	23,702	0	-56.0		0	34	241	3
UNITED STATES-NORTHEAST																																									
INTERNATIONAL FALLS	2	971		-5.4	2.5					1,404	0	-4.6	5.9	1	59	275	6	2,923	0	-9.1	9.6	0	69	277	9	5,456	0	-24.1	7.9	0	75	274	16	8,990	0	-48.9		1	74	273	20
		11,600	0	-54.6		1	80	272	21	13,447	0	-53.9		1	87	270	19	16,046	1	-55.6		2	88	270	15	20,450	5	-57.4		6	70	270	6	23,697	7	-56.0		8	31	276	4
ST. CLOUD	2	978		-3.5	2.4					1,432	0	-1.6	9.9	0	56	273	6	2,967	0	-6.9	11.4	0	68	274	10	5,520	0	-22.3	9.6	0	75	275	15	9,078	0	-47.7		0	70	274	20
		11,694	0	-55.0		0	82	269	23	13,537	0	-54.3		0	87	269	21	16,112	1	-57.2		1	88	269	15	20,477	1	-57.8		1	67	264	5	23,714	3	-56.0		3	32	251	4
SAULT STE. MARIE	2	989		-0.6	3.2					1,429	0	-3.1	6.8	2	55	265	8	2,951	0	-8.6	8.4	0	64	261	11	5,493	0	-23.1	10.5	0	73	264	16	9,039	3	-47.4		5	80	277	24
		11,667	3	-53.9		6	86	277	23	13,515	3	-54.2		6	89	270	20	16,098	3	-57.0		6	90	275	16	20,467	4	-57.7		5	67	263	7	23,706	4	-55.7		5	52	269	7
CARIBOU	2	992		-1.2	2.2					1,420	0	-1.9	6.8	3	62	283	9	2,952	0	-7.2	9.6	0	71	268	12	5,504	0	-22.1	8.7	0	70	263	16	9,074	0	-46.1		2	72	262	23
		11,707	0	-54.7		4	79	268	22	13,548	0	-54.6		5	84	267	20	16,130	1	-57.3		6	84	269	15	20,502	2	-57.5		4	75	277	9	23,736	2	-56.4		4	55	303	7
DAYTON	2	985		1.9	3.9					1,487	0	1.3	8.9	0	66	263	7	3,038	0	-3.9	11.0	0	72	266	10	5,628	0	-18.7	10.0	0	74	266	17	9,242	0	-44.5		4	75	269	23
		11,881	1	-55.2		5	83	269	27	13,711	2	-57.5		6	83	268	24	16,242	3	-62.1		7	88	268	17	20,539	4	-59.6		5	73	262	6	23,755	5	-56.3		5	20	68	2
BUFFALO	2	993		2.3	4.1					1,466	0	-0.9	8.6	0	72	262	9	3,002	0	-6.3	11.1	0	69	264	11	5,571	0	-20.3	11.7	1	73	262	15	9,158	1	-45.2		3	73	261	22
		11,797	2	-55.2		5	80	266	23	13,630	2	-56.1		6	83	261	21	16,180	2	-59.7		7	83	263	15	20,510	5	-58.2		6	60	260	6	23,745	5	-56.3		5	20	269	2

UPPER AIR DATA

NOVEMBER 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																																									
UNITED STATES-NORTHEAST																																									
CHATHAM	2	1,017		6.6	4.2					1,474	1	1.4	11.4	6	57	264	6	3,025	1	-3.5	12.6	6	63	261	9	5,613	1	-18.7	12.0	6	70	259	14	9,231	1	-44.1		6	72	257	21
		1,867	3	-55.5		7	79	262	21	13,693	3	-57.3		7	83	260	22	16,242	5	-60.2		8	83	259	16	20,566	7	-58.7		9	63	277	5	23,798	8	-56.4		9	49	336	5
WASHINGTON DULLES	2	1,011		2.2	3.5					1,491	0	2.4	11.0	0	61	282	7	3,048	0	-2.5	12.9	0	68	267	10	5,651	0	-17.5	11.7	0	78	264	16	9,281	0	-43.0	7.4	0	80	265	24
		1,925	0	-55.3		0	88	268	28	13,752	0	-58.1		0	90	263	22	16,272	2	-62.9		2	88	261	17	20,574	4	-59.2		4	51	260	4	23,804	5	-55.5		5	19	80	1
UNITED STATES-SOUTHWEST																																									
OAKLAND	2	1,017		10.5	2.8					1,494	1	5.3	8.0	2	62	244	6	3,061	1	-1.8	12.1	1	72	263	10	5,664	1	-17.9	12.2	1	79	273	18	9,292	1	-43.6	6.0	2	78	282	29
		1,930	1	-56.1		7	81	285	32	13,748	1	-58.8		9	84	276	27	16,261	2	-64.1		10	94	279	19	20,526	5	-61.3		10	93	274	8	23,720	8	-57.9		11	87	267	8
SAN DIEGO	2	1,003		10.9	1.8					1,504	0	8.4	11.9	1	48	285	3	3,093	0	2.5	16.6	1	72	272	8	5,731	1	-14.4	14.1	2	78	276	17	9,395	1	-41.4	8.9	1	78	280	26
		2,049	1	-56.7		2	88	272	32	13,854	1	-61.4		5	90	272	27	16,325	1	-67.8		6	89	277	18	20,537	2	-62.3		6	86	272	4	23,730	3	-57.7		4	41	286	2
DESERT ROCK	2	902		5.1	8.9					1,496	0	7.0	13.2	0	40	172	2	3,068	0	-0.7	13.8	0	58	253	7	5,675	0	-17.3	11.7	1	69	276	16	9,304	0	-43.8		7	73	272	22
		1,941	0	-56.7		11	85	281	26	13,756	0	-59.7		13	82	279	21	16,261	2	-65.0		12	91	285	16	20,507	4	-61.5		11	90	277	7	23,705	8	-57.8		11	73	262	6
EL PASO	2	884		6.1	6.4					1,520	0	10.0	13.2	3	25	284	2	3,114	0	2.9	15.3	0	76	262	9	5,757	0	-13.7	14.6	0	78	273	15	9,433	1	-40.4	9.1	1	81	266	24
		2,098	1	-55.4		3	87	275	31	13,908	1	-61.2		6	88	280	24	16,378	1	-68.4		6	90	284	15	20,576	4	-61.8		5	81	269	5	23,775	5	-57.1		5	35	313	1
ALBUQUERQUE	2	839		2.6	6.5													3,082	0	-0.9	12.4	0	76	275	8	5,692	0	-17.1	13.2	0	84	271	16	9,324	0	-43.3		0	79	267	24
		1,966	0	-55.4		1	86	272	30	13,784	0	-59.9		1	89	273	25	16,271	1	-65.9		2	90	271	18	20,505	2	-61.8		2	77	271	4	23,710	5	-56.8		5	26	241	1
OKLAHOMA CITY/W ROGERS WORLD	2	971		6.5	4.3					1,492	0	7.4	11.9	2	51	252	7	3,072	0	0.4	14.5	0	70	262	10	5,689	0	-16.6	11.5	0	79	266	16	9,331	0	-42.2		0	84	267	28
		1,983	0	-55.7		2	87	270	32	13,798	0	-59.7		2	87	269	25	16,293	0	-66.0		2	87	271	16	20,522	1	-61.6		2	60	248	3	23,720	1	-57.5		1	24	74	1
VICTORIA	2	1,015		13.0	1.9					1,530	0	10.9	10.3	0	44	227	4	3,135	0	5.1	17.6	0	65	258	6	5,802	0	-11.0	16.9	0	85	264	15	9,516	0	-39.0	9.3	0	86	269	24
		2,185	0	-56.1		0	84	274	30	13,977	1	-63.9		1	87	270	25	16,415	1	-70.8		1	88	267	15	20,576	2	-62.7		2	70	258	4	23,761	3	-58.2		4	19	351	1
BROWNSVILLE	2	1,017		17.0	2.5					1,536	5	12.4	7.4	5	62	186	6	3,152	5	6.9	16.3	5	62	243	6	5,836	5	-9.7	17.6	5	84	262	11	9,568	5	-37.8	11.6	5	85	263	21
		2,242	6	-56.7		6	84	271	29	14,024	6	-65.9		6	89	264	24	16,441	6	-73.0		6	91	260	13	20,570	7	-64.2		7	60	264	3	23,740	7	-58.7		7	9	18	**
UNITED STATES-SOUTHEAST																																									
WALLOPS ISLAND	2	1,020		5.3	4.3					1,504	0	3.9	12.3	0	66	264	7	3,068	0	-1.6	14.4	0	78	258	11	5,675	0	-16.9	13.7	0	81	258	17	9,315	0	-42.7	5.5	0	83	263	25
		1,964	1	-55.1		1	90	268	29	13,785	1	-59.1		1	91	267	25	16,299	1	-63.6		1	87	263	17	20,572	2	-60.3		2	40	265	3	23,789	2	-56.3		3	37	50	3
MONETT	2	967		4.5	4.3					1,495	0	5.5	11.3	1	56	255	7	3,065	0	-1.4	13.6	0	71	263	11	5,671	0	-17.0	12.5	0	69	267	16	9,309	0	-42.8		0	73	270	25
		1,944	1	-56.1		2	88	272	33	13,767	2	-59.5		2	90	269	28	16,276	2	-63.9		2	90	268	17	20,530	6	-60.5		6	69	253	4	23,739	7	-56.9		7	13	99	1
NORTH LITTLE ROCK	2	1,000		7.0	3.3					1,511	0	6.5	12.6	1	55	259	6	3,085	0	-0.2	16.1	1	66	265	10	5,707	0	-15.6	15.4	1	73	272	17	9,360	0	-42.3	10.0	0	78	270	28
		2,008	0	-56.3		2	88	273	34	13,814	0	-61.2		2	89	269	27	16,302	0	-65.5		1	89	272	17	20,528	0	-62.0		1	65	262	3	23,722	2	-57.5		2	36	84	2
LONGVIEW	2	1,006		9.1	2.9					1,522	0	8.1	10.9	1	49	251	5	3,109	0	2.2	16.6	1	70	262	10	5,749	0	-14.2	15.6	1	82	262	17	9,423	0	-41.0	9.2	3	84	271	29
		2,081	0	-56.3		6	87	279	30	13,884	0	-62.0		6	88	279	24	16,349	0	-68.4		6	88	276	16	20,555	1	-61.9		4	63	278	4	23,759	2	-57.1		2	56	96	4
NASHVILLE	2	1,000		4.9	3.0					1,508	0	4.3	8.6	1	54	254	6	3,075	0	-1.4	12.9	0	70	265	9	5,683	0	-16.7	13.8	0	77	263	15	9,325	0	-42.3	6.0	0	81	264	27
		1,970	0	-56.4		2	87	270	32	13,783	0	-59.9		3	88	270	24	16,280	0	-65.3		4	88	263	15	20,519	1	-61.3		3	53	270	3	23,725	4	-56.7		4	35	93	2
WAYCROSS	2	1,015		9.2	3.8					1,525	0	9.1	11.5	0	35	240	3	3,117	0	3.1	16.5	0	68	259	8	5,767	0	-12.6	16.4	0	82	264	13	9,455	2	-40.3	8.7	2	77	265	21
		2,116	2	-56.5		0	87	268	28	13,917	2	-62.4		0	89	263	23	16,377	2	-69.3		2	91	263	16	20,563	4	-62.1		4	33	258	2	23,760	5	-56.8		5	69	75	4
CAPE HATTERAS	2	1,020		11.7	4.1					1,519	0	6.2	8.2	0	55	254	4	3,095	0	0.5	15.0	0	74	256	8	5,721	0	-15.3	14.0	0	81	261	14	9,384	0	-41.5	8.4	1	84	263	20
		2,043	0	-55.0		3	88	263	23	13,862	1	-60.4		4	88	262	20	16,353	1	-65.5		4	89	262	15	20,587	4	-61.5		4	34	247	2	23,795	4	-56.4		4	44	48	3
CHARLESTON	2	1,020		8.2	3.2					1,529	0	8.3	11.0	1	40	244	4	3,116	0	2.2	16.1	0	69	267	8	5,758	0	-13.6	15.1	0	71	263	13	9,438	0	-40.8	8.5	2	81	267	23
		2,099	0	-55.6		2	90	268	28	13,908	0	-61.5		4	92	264	23	16,382	0	-67.7		4	89	261	16	20,590	0	-62.0		3	34	268	2	23,792	1	-56.8		3	42	70	4
BOOTHVILLE	2	1,020		15.1	3.3					1,535	0	10.3	11.7	0	36	265	3	3,136	0	4.6	16.0	0	66	275	6	5,799	0	-11.9	15.9	1	80	271	13	9,506	0	-39.0	10.4	1	81	276	21
		2,172	0	-57.0		1	85	270	27	13,964	0	-63.9		1	90	268	22	16,405	2	-70.2		3	91	260	15	20,570	3	-62.5		4	64	278	3	23,761	5	-57.2		7	51	73	3
APALACHICOLA	2	1,020		11.4	3.4					1,533	0	10.1	13.3	0	35	268	3	3,132	0	4.5	18.5	0	64	271	7	5,793	0	-11.9	16.9	1	76	273	13	9,501	0	-38.9	9.7	0	82	269	20
		2,171	1	-56.7		2	85	272	26	13,968	1	-63.1		1	92	269	23	16,421	2	-70.2		3	93	266	19	20,595	6	-62.5		8	62	262	3	23,787	6	-56.7		7	59	87	4
WEST PALM BEACH	2	1,017		19.2	3.5					1,535	0	11.9	4.6	3	27	46	2	3,145	0	6.0	13.5	1	46	303	3	5,824	0	-10.5	15.2	1	74	273	8	9,548	0	-38.2	10.0	0	84	274	16
		2,234	0	-55.1		0	89	260	24	14,031	1	-64.2		1	91	264	20	16,462	1	-71.8		1	91	263	12	20,616	1	-63.0		1	63	280	3	23,810	1	-57.0		1	11	331	1
KEY WEST	2	1,017		21.9	4.2					1,536	0	12.8	5.1	1	39	62	2	3,152	0	6.9	16.4	0	42	342	3	5,836	1	-9.6	16.4	1	74	287	7	9,573	1	-37.3	12.0	1	82	274	15
		2,266	1	-55.1		1	88	261	25	14,059	2	-65.0		2	91	262	20	16,479	3	-73.0		4	91	269	11	20,617	3	-62.7		3	48	274	2	23,801	5	-57.9		5	12	286	1
MEXICO-NORTHERN																																									
EMPALME	2	1,014		13.8	5.4					1,515	0	14.1	17.3	0	47	222	2	3,129	0	6.2	19.4	0	68	258	7	5,801	0	-11.4	15.1	0	78	264	13	9,513	0	-39.0	9.4	0	90	271	26
		2,188	0	-55.6		0	93	271	35	13,985	0	-63.9		0	93	273	29	16,420	0	-71.4		0	90	270	20	20,572	3	-63.4		3	38	280	2	23,749	5	-58.7		8	28	69	1
MAZATLAN CARRASCO	2	1,012		19.7	2.0					1,518	0	17.8	12.9	1	17	181	1	3,153	0	8.6	16.2	0	68	218	5	5,853	0	-8.1	18.6	0	72	256	7	9,614	0	-35.5	12.3	0	88	264	18
		2,315	0	-55.5		1	87	270	25	14,107	2	-66.5		2	90	270	21	16,509	2	-74.1		2	86	266	11	20,626	4	-63.7		4	37	238	1	23,801	5	-58.9		5	24	329	1
MONTERREY AEROP. INTL	2	966		13.6	3.6					1,527	0	13.0	9.2	2	33	146	2	3,147	0	7.5	16.1	2	67	269	5	5,835	0	-9.2	18.0	0	83	264	11	9,572	1	-37.7	12.0	2	86	268	18
		2,246	4	-56.5		9	86	277	23	14,028	5	-65.8		11	90	277	20	16,451	7	-73.2		12	91	278	12	20,583	8	-63.7		11	76	260	3	23,755	13	-58.7		14	39	296	1
CHIHUAHUA UNIV., DE	2	859		5.9	6.2					1,518	0	9.7	11.9	8	33	243	1	3,125	0	5.6	17.0	8	76	248	7	5,794	0	-11.6	16.2	2	87	269	14	9,502	0	-38.8	8.1	3	93	266	25
		2,177	0	-55.7		3	91	272	30	13,975	1	-63.1		5	90	270	24	16,419	2	-70.9		7	90	270	15	20,573	6	-63.0		7	66	275	4	23,754	7	-57.9		8	37	307	2
MEXICO-SOUTHERN																																									
MERIDA AEROP. INTL.	2	1,015		18.4	0.6					1,538	0	13.8	5.4	5	40	101	2	3,157	0	8.0	16.0	3	32	358	1	5,857	0	-7.7	17.9	3	48	307	3	9,623	0	-35.5	12.4	3	73	271	11
		2,332	1	-54.5		4	90	255	18	14,120	2	-66.4		5	94	255	17	16,521	2	-74.8		5	90	258	8	20,643	5	-63.0		8	42	51	1	23,842	8	-57.4		11	52	70	3
GUATEMALA																																									
GUATEMALA/LA AURORA AP	2	853		13.2	1.5					1,529	1	13.1	2.5	4	98	7	4	3,150	1	8.1	12.6	3	65	52	4	5,853	1	-7.0	18.5	3	26	49	1	9,643	1	-33.4	15.3	4	45	275	5
		2,358	1	-55.5		5	72	238	10	14,137	2	-67.7		5	78	246	9	16,507	2	-78.2		5	55	251	3	20,591	5	-63.2		7	97	84	11	23,785	9	-56.6		11	99	86	14
COSTA RICA																																									
JUAN SANTAMARIA		910		18.9	5.0					1,501	0	16.1	3.1	0	92	82	10	3,133	0	9.0	5.2	0	7	59	9	5,842	0	-6.0	12.4	0	27	120	9	9,649	0	-32.2	13.2	0	38	214	16
		2,379	0	-54.6	19.0	0	68	186	20	14,165	0	-68.1		0	52	215	22	16,514	0	-80.8		0	37	157	10	20,573	1	-66.9		1	99	84	3	23,771	1	-55.0		1	10	86	4
ADJACENT ISLANDS																																									
ST GEORGE,BERMUDA	2	1,015		19.2	7.7					1,514	14	7.7	5.4	14	29	306	3	3,102	14	3.4	17.8	14	54	292	7	5,750	14	-13.3	15.6	14	63	295	10	9,441	16	-39.3	10.1	16	62	282	14
		2,101	17	-56.3		17	75	269	22	13,909	18	-61.9		20	78	277	17	16,366	20	-67.9		22				20,563	24	-63.1													

UPPER AIR DATA

NOVEMBER 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																																									
ADJACENT ISLANDS																																									
GUANTANAMO ORIENTE	2	1,010		22.9	4.2					1,523	19	14.9	6.4	19	79	62	5	3,148		8.6	15.2		36	59	2	5,859	19	-6.1	18.6	19	47	303	3	9,651	21	-32.7	13.3	21			
		2,374	24	-53.5																																					
GRAND CAYMAN, B.W.I.	2	1,014		23.6	2.7					1,527	4	15.0	2.4	4	64	74	4	3,152	4	8.8	12.2	4	25	83	1	5,857	4	-7.4	16.2	4	35	262	2	9,629	4	-34.7	11.9	5	69	263	11
		2,340	4	-55.2		4	83	242	10	14,121	4	-67.1		4	90	251	15	16,503	4	-76.5		4	79	256	6	20,615	5	-63.3		6	87	68	4	23,805	6	-58.1		6	93	89	7
SAN JUAN/INT., P.R.	2	1,013		23.3	1.7					1,519	1	15.5	3.1	1	49	95	4	3,148	1	8.4	10.8	1	30	100	2	5,858	2	-6.3	14.6	2	37	305	3	9,662	2	-32.2	13.8	2	69	289	9
		2,392	2	-54.3		2	79	291	14	14,176	2	-68.3		2	83	286	14	16,539	2	-77.3		2	48	324	3	20,639	2	-62.8		2	90	106	6	23,833	2	-57.0		2	96	101	9
RAIZET, GUADELOUPE	2	1,012		23.7	1.5					1,517	0	15.8	3.5	0	62	121	5	3,145	0	8.3	9.3	0	46	135	4	5,854	1	-5.9	14.0	1	14	50	1	9,661	1	-31.8	13.4	1	45	314	4
		2,394	1	-53.8		1	65	295	8	14,179	1	-68.4		1	75	292	11	16,531	1	-78.7		1	32	309	2	20,588	2	-65.0		2	92	91	8	23,761	2	-57.8		4	89	88	13
GRANTLEY ADAMS AP,BARBADOS	2	1,008		26.2	2.7					1,526	1	16.7	2.8	1	72	113	5	3,161	1	8.7	7.1	1	60	137	3	5,870	1	-6.0	11.5	1	11	41	1	9,685	1	-31.9	12.6	1	44	314	3
		2,416	1	-54.4		2	69	298	7	14,201	1	-68.0		1	72	294	8	16,552	1	-79.7		1	53	320	4	20,645	2	-63.8		2	99	90	14	23,841	4	-56.2		5	99	91	17
PIARCO INT. AP, TRINIDAD	2	1,010		24.0	0.4					1,517	0	17.4	2.5	1	74	111	6	3,156	0	9.1	5.8	1	67	108	3	5,870	0	-5.9	9.0	1	46	68	2	9,685	1	-31.7	12.8	3	47	336	3
		2,418	1	-54.3		2	61	283	5	14,202	1	-68.6		2	68	291	8	16,543	2	-81.0		3	70	316	5	20,608	1	-64.2		3	99	88	16	23,803	3	-55.4		4	98	91	16
DR.A. PLESMAN AP,CURACAO	3	1,004		26.4	2.9					1,504	0	17.1	3.1	0	33	111	3	3,141	0	8.8	6.5	0	24	134	2	5,856	0	-5.8	14.4	0	17	91	1	9,667	0	-31.8	12.5	0	11	52	1
		2,396	0	-54.3		0	30	187	3	14,179	0	-68.4		0	33	252	3	16,530	1	-80.1		1	18	323	2	20,606	1	-64.9		2	97	78	12	23,789	4	-56.5		4	96	82	15
DOMINICAN REPUBLIC																																									
SANTO DOMINGO	2	1,010		22.5	1.6					1,507	0	15.5	3.0	2	42	45	3	3,136	1	9.0	13.2	3	19	133	1	5,850	0	-5.9	18.2	2	43	288	3	9,662	1	-31.5	14.5	3	81	270	10
		2,399	2	-53.6		4	90	266	14	14,190	2	-67.0		4	86	267	12	16,565	2	-77.1		4	67	296	4	20,682	5	-61.9		8	88	90	5	23,893	7	-56.2		8	93	91	7
SOUTH AMERICA																																									
VENEZUELA																																									
LA CANADA(MARACAIBO)		1,011		24.7	2.2					1,528		16.4	2.3	3	56	59	5	3,158		7.6	9.2	3	40	75	5	5,863		-9.1	17.7	3	23	98	3	9,651		-38.2	13.1	3	13	337	2
		2,360	1	-55.9		3	41	187	9	14,121	3	-71.4		6	24	268	6	16,449	4	-82.5		7	46	3	9																
MARACAY-B.A. SUCRE		964		22.7	3.0					1,516	4	16.5	1.9	9	49	110	4	3,146	4	7.6	23.1	9	59	105	9	5,849	4	-6.6	12.6	9	73	105	9	9,659	4	-31.8	11.7	9	32	210	10
		2,383	6	-55.1		9	33	250	7	14,159	6	-69.7		9	56	210	10	16,500	7	-81.1		9	40	280	9	20,550	5	-55.7						23,719	9	-56.5					
SAN ANTONIO DEL TACHIRA		969		21.8	1.3					1,492	0	17.0	0.9	0	59	125	6	3,125	0	9.3	1.9	0	40	125	5	5,828	0	-6.9	14.0	0	62	75	7	9,629	0	-35.2	14.4	0	18	110	3
		2,344	0	-55.3		0	25	155	6																																
FRENCH GUIANA																																									
CAYENNE/ROCHAMBEAU	2	1,011		23.5	0.5					1,507	0	17.0	4.9	1	93	103	9	3,142	0	9.0	6.6	1	87	95	7	5,855	1	-6.1	6.8	2	39	62	2	9,667	2	-31.2	11.3	4	37	306	3
		2,408	2	-53.1		4	34	295	4	14,199	2	-67.3		4	71	293	10	16,552	2	-80.5		4	71	258	8	20,551	3	-68.8		6	99	91	19	23,686	3	-57.2		6	99	94	27
PERU																																									
LIMA-CALLAO/INTL AP/	1	1,012		19.3	3.2					1,505	5	17.2	18.0	5	22	271	1	3,138	5	8.9	14.8	5	68	334	2	5,851	5	-5.6	7.5	5	10	99	1	9,672	5	-31.4	9.3	5	46	78	3
		2,407	5	-54.3		5	94	31	11	14,192	5	-68.2		6	91	28	10	16,547	11	-81.6		13	92	58	8	20,578	16	-68.1		18	99	83	15	23,719	21	-58.1					
BRAZIL-NORTHERN																																									
MANAUS AERO PONTA PELADA		1,002		25.9	3.2					1,520	12	18.2	4.4	12	94	73	8	3,161	12	9.5	10.7	12	63	91	5	5,876	12	-6.2	11.5	12	11	100	1	9,682	12	-32.4	13.6	12	70	143	5
		2,417	12	-53.3		12	85	138	10	14,213	12	-66.8		12	83	120	10																								
CACHIMBO		960		23.3	2.4					1,495	12	19.6	5.3	11	75	46	5	3,140	12	9.6	7.1	11	81	65	6	5,854	13	-5.7	8.4	11	76	108	4	9,676	12	-31.6	16.2	12	76	131	7
		2,423	12	-52.5		13	79	142	9	14,224	13	-66.0		13	79	131	11																								
BELEM/AERO VAL DE CAS		1,010		27.6	4.0					1,526	4	19.1	7.4	2	96	92	8	3,171	3	10.4	13.8	2	96	90	6	5,895	3	-5.1	16.6	2	24	354	1	9,715	2	-32.3	17.4	2	25	304	1
		2,452	3	-52.8		2	31	209	2	14,260	3	-66.5		4	56	259	5	16,626	5	-81.1		12	55	180	3																
FORTALEZA		1,009		28.2	6.6					1,520	7	16.9	6.9	5	98	119	10	3,161	6	10.5	22.4	5	91	109	8	5,869	7	-4.5	25.4	6	42	106	4	9,687	7	-32.0	22.0	7	38	290	4
		2,408	7	-54.9		9	37	276	5	14,197	9	-68.0		9	72	277	12	16,548	11	-78.3		10	33	184	4																
FERNANDO DE NORONHA		1,006		27.7	5.3					1,523	11	16.8	6.7	10	96	99	7	3,162	11	10.3	19.9	10	91	90	7	5,888	11	-5.4	22.3	10	79	79	5	9,712	11	-31.9	21.5	10	39	290	3
		2,449	11	-53.8		10	60	294	7	14,237	13	-67.5		11	64	268	10	16,596	12	-79.2		11	38	247	3	20,610	13	-68.7		13	98	92	19								
CAROLINA		990		25.8	4.0					1,525	8	18.4	4.6	8	78	77	4	3,163	8	9.3	5.6	7	93	101	6	5,877	9	-4.9		8	48	93	2	9,706	11	-30.9		9	29	161	2
		2,447	12	-53.0		11	54	191	4	14,244	14	-66.2		13	55	174	5																								
PETROLINA		972		26.0	8.0					1,531	14	18.0	6.0	13	91	133	8	3,173	15	10.2		13	65	102	4	5,896	15	-4.7		14	77	113	6	9,717	15	-31.2		14	32	181	3
RECIFE /CURADO/		1,014		28.4	4.9					1,543	13	17.0	5.2	13	73	105	4	3,177	14	10.0		12	56	82	3	5,900	14	-5.3		12	87	74	6								
BRAZIL-SOUTHERN																																									
CAMPO GRANDE		949		25.0	5.2					1,518	7	20.3	6.1	5	48	1	3	3,168	7	10.5	6.6	5	49	323	3	5,892	7	-4.9	15.0	5	41	249	2	9,717	7	-30.6	16.3	5	81	242	8
		2,473	8	-51.6		5	89	255	11	14,282	7	-64.8		6	68	236	8	16,658	7	-76.8		6	89	228	10																
BRASILIA/AEROPORTO/		897		22.2	6.9					1,531	4	18.0	67.0	45	8	32	5	3,172	4	8.8	7.9	4	39	11	3	5,885	4	-5.5	16.4	4	21	350	2	9,695	4	-32.3	16.5	4	52	175	7
		2,425	5	-53.7		5	71	182	14	14,218	5	-67.1		6	76	177	14	16,584	4	-78.9		7	71	132	9	20,631	8	-64.4		11	87	87	14	23,801	9	-58.2		12	91	70	17
TRINIDADE/ILHA/		1,018		26.0	5.6					1,552	11	13.2	6.7	11	58	72	3	3,170	11	7.9	21.8	12	18	35	1	5,872	11	-6.8	30.2	12	53	284	4	9,644	12	-34.9		13	60	256	8
		2,343	14	-55.2		15	57	221	9	14,112	14	-67.4		15	58	252	8	16,501	15	-74.3																					
RIO DE JANEIRO/AERO GALEAO		1,010		24.4	5.5					1,537	3	17.2	6.7	3	56	321	3	3,170	3	8.5	3.0	37	5	293	5	5,877	3	-6.4	17.4	4	85	279	10	9,668	3	-33.3	16.4	9	83	279	14
		2,403	3	-53.4						14,717	3	-53.1						16,610	3	-72.8						20,755	9	-62.2						23,967	12	-55.8					
SAO PAULO(AEROPORTO)		925		21.2	6.9					1,529	4	16.7	6.3	3	44	7	3	3,160	5	8.1	9.1	3	81	291	6	5,863	4	-6.9	20.3	3	75	267	8	9,646	5	-33.4	16.8	4	91	266	18
		2,376	7	-52.7		11	91	255	19	14,183	8	-64.1		15	87	252	13	16,593	9	-75.6		15	76	266	8																
CURITIBA/AERO AFONSO PENA		914		17.3	4.3					1,526	4	14.1	5.1	3	46	27	3	3,154	6	7.0	13.3	3	74	265	7	5,844	4	-8.3	16.5	5	94	252	11	9,616	3	-33.8	19.2	8	93	248	21
		2,340	4	-52.6		13	94	241	24	14,150	4	-63.5						16,574	4	-73.3						20,706	9	-61.4						23,908	13	-54.8					
PORTO ALEGRE/AERO S.FILHO		1,014		21.7	6.0					1,516	4	13.6	8.1	3	39	282	3	3,132	5	5.6	14.0	3	84	252	9	5,808	4	-10.3	18.3	3	89	236	13	9,516	5	-35.6	17.8	6	93	241	30
		2,267	4	-54.0		12	91	240	32	14,072	5	-63.5						16,516	5	-70.8						20,725	11	-60.7						23,948	13	-55.6					

UPPER AIR DATA

NOVEMBER 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB								850 MB 150 MB								700 MB 100 MB								500 MB 50 MB								300 MB 30 MB							
			TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND			
		HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
SOUTH AMERICA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
CHILE																																									
ANTOFAGASTA/CERRO MORENO	2	1,003		16.0	3.3					1,506	0	15.3	20.5	0	81	46	3	3,139	0	9.1	21.8	0	48	355	2	5,848	0	-6.8	19.4	0	70	258	4	9,638	0	-32.9	14.6	0	94	281	18
		12,369	0	-53.6		0	96	290	23	14,160	0	-67.1		0	96	289	17	16,536	0	-77.6		0	79	280	7	20,635	1	-62.9		1	75	92	5	23,838	3	-56.1		3	75	82	4
QUINTERO	2	1,018		13.1	2.1					1,517	0	11.2	18.3	0	38	346	2	3,118	0	3.9	20.8	0	91	330	9	5,764	0	-13.9	15.3	1	80	288	16	9,446	0	-39.9	12.7	6	92	272	33
		12,122	1	-53.4		16	94	268	33	13,953	2	-58.9		19	95	268	27	16,449	2	-67.5		19	95	270	16	20,655	2	-60.6		17	62	100	4	23,870	6	-55.7		16	43	75	5
PUERTO MONTT /EL TEPUAL	2	1,009		9.3	1.5					1,493	0	4.3	8.1	0	38	251	3	3,051	0	-3.3	14.1	1	62	244	6	5,636	0	-19.5	13.2	1	72	253	11	9,239	0	-44.8		1	67	252	17
		11,892	0	-52.0		2	88	251	20	13,745	0	-55.1		3	94	253	19	16,313	0	-58.0		2	94	250	15	20,683	1	-57.4		4	30	167	2	23,947	4	-53.2		6	67	96	6
PUNTA ARENAS/CARLOS IBANEZ	2	1,001		8.2	5.8					1,363	0	-0.6	5.7	0	91	262	15	2,893	0	-8.3	9.1	0	93	252	17	5,424	0	-24.8	9.6	3	87	261	19	8,943	1	-49.0		8	76	255	17
		11,578	1	-51.2		11	90	247	17	13,459	4	-51.4		15	94	249	17	16,089	4	-51.5		15	89	241	14	20,608	10	-49.9		20	83	223	10	23,967	19	-46.0					
ANTARCTICA																																									
ISLAS ORCADAS B.N.	2	987		-0.5	0.8					1,196	5	-6.1	2.6					2,694	5	-14.0	5.3					5,166	5	-30.8	2.8					8,653	5	-52.6	7.2				
		11,217	7	-54.2						13,061	8	-53.8						15,667	9	-52.2						20,151	15	-47.9													
SYOWA	1	985		-9.6	5.0					1,156	0	-13.6	6.8	0	81	39	10	2,611	0	-20.9	8.1	0	37	35	4	5,026	0	-35.7	10.1	0	29	273	5	8,395	0	-58.6		0	61	255	15
		10,902	0	-62.5		0	85	262	21	12,676	0	-62.6		0	91	268	28	15,183	0	-60.4		0	92	273	34	19,614	1	-47.1		1	94	284	43	23,084	2	-35.0		3	92	297	46
AMUNDSEN-SCOTT	1	681		-35.3														2,646								4,994	0	-39.5		1	35	6	6	8,332	0	-60.0		1	13	95	3
		10,818	0	-65.5		1	28	155	5	12,570	0	-54.9		1	47	150	7	15,055	1	-61.7		1	66	135	11	19,486	2	-47.1		2	80	115	24	22,974	4	-31.9		4	85	110	37
EUROPE																																									
GREENLAND																																									
DANMARKSHAVN	3	1,011		-17.3	5.3					1,333	0	-14.1	7.9	0	38	287	3	2,802	0	-17.3	7.2	0	53	236	6	5,252	0	-32.0	7.8	0	62	232	11	8,686	0	-53.6		0	63	239	15
		11,263	0	-56.2		0	84	247	13	13,092	0	-56.2		0	92	250	12	15,654	0	-59.2		0	93	263	12	19,943	0	-65.8		0	83	283	15	23,041	9	-68.8		9	83	295	20
SCORESBYSUND	3	1,001		-10.7	2.2					1,330	0	-10.8	8.0	0	41	3	3	2,814	0	-14.2	8.5	0	11	135	1	5,288	0	-30.1	10.4	0	29	196	4	8,741	0	-53.2		0	44	208	7
		11,309	0	-57.1		0	66	229	7	13,133	0	-56.3		0	83	243	9	15,694	0	-58.6		0	90	257	11	19,990	0	-64.3		0	86	278	14	23,077	2	-67.3		4	81	291	18
EGEDESMINDE	3	999		-5.6	3.6					1,286	0	-12.2	7.8	2	8	160	1	2,745	0	-19.5	10.8	2	23	229	4	5,172	0	-33.8	10.4	2	48	212	5	8,587	0	-53.7		3	55	215	9
		11,180	0	-53.5		3	66	234	10	13,041	0	-53.4		3	72	248	10	15,630	0	-55.3		3	76	263	11	20,014	0	-60.4		4	79	257	16	23,180	0	-63.5		5	78	251	19
ANGMAGSSALIK	3	998		-4.2	3.3					1,314	0	-8.8	3.5	0	68	83	5	2,797	0	-16.3	4.7	0	47	119	4	5,260	0	-30.3	5.0	0	36	152	4	8,727	0	-51.3		0	34	201	5
		11,341	0	-52.1		0	66	235	6	13,210	0	-51.6		0	77	249	8	15,826	0	-54.0		0	84	262	10	20,222	0	-58.9		0	80	282	13	23,400	1	-61.9		1	79	289	15
NARSSARSSUAQ	3	998		-1.2	8.2					1,275	1	-7.4	9.1	1	44	82	3	2,760	1	-16.0	9.4	1	14	84	2	5,221	1	-30.5	10.9	1	28	243	5	8,688	1	-50.4		1	48	262	11
		11,317	1	-50.5		1	71	269	13	13,191	1	-51.1		1	81	269	13	15,810	1	-53.7		2	82	271	12	20,203	5	-59.1						23,376	11	-60.7					
ICELAND																																									
KEFLAVIK	3	993		1.3	2.7					1,281	0	-4.8	4.1	0	36	108	3	2,784	0	-13.3	6.8	0	28	120	2	5,268	0	-30.0	7.7	0	44	151	5	8,738	0	-50.7		0	41	153	6
		11,352	0	-52.3		0	44	209	4	13,214	0	-52.2		0	72	241	6	15,822	0	-55.2		0	85	256	8	20,187	0	-61.0		0	84	280	11	23,345	0	-64.4		0	84	292	15
UNITED KINGDOM																																									
LERWICK	3	991		6.8	2.8					1,328	0	-1.4	3.8	0	54	171	8	2,851	0	-9.4	6.9	0	65	183	10	5,374	0	-25.4	8.0	0	73	196	14	8,884	0	-50.5		0	71	209	18
		11,471	0	-55.7		0	78	216	16	13,306	0	-55.5		0	83	228	12	15,873	0	-58.8		0	86	251	10	20,170	0	-64.4		0	92	278	11	23,261	1	-67.9		1	89	288	16
STORNOWAY	3	997		7.5	1.6					1,308	0	-1.2	2.9	0	54	181	7	2,831	0	-9.8	5.6	0	59	187	9	5,351	0	-25.5	6.4	0	64	197	13	8,861	0	-50.3		0	67	203	20
		11,470	0	-52.6		0	81	214	15	13,325	0	-53.2		0	82	224	13	15,918	0	-56.7		0	84	242	10	20,251	4	-61.8		2	93	275	11	23,440	15	-62.2					
AUGHTON	1	996		8.0	2.3					1,341	0	0.3	3.4	0	64	225	9	2,875	0	-7.5	7.3	0	72	221	12	5,418	0	-23.0	8.0	0	67	218	15	8,958	0	-49.1		0	68	219	21
		11,563	0	-55.3		0	73	230	18	13,399	0	-55.3		0	80	239	14	15,968	0	-58.1		0	86	249	12	20,284	0	-62.7		0	86	267	11	23,425	0	-64.3		1	88	279	15
CRAWLEY	3	988		8.9	1.6					1,378	0	2.5	4.6	0	76	224	10	2,924	0	-5.6	8.5	0	75	220	13	5,482	0	-21.7	9.6	0	74	220	17	9,045	0	-47.7		0	71	229	25
		11,645	0	-57.1		0	76	237	21	13,465	0	-56.8		0	82	244	16	16,025	0	-58.8		0	87	254	12	20,331	0	-62.0		0	88	267	11	23,474	0	-63.7		0	87	277	13
IRELAND																																									
VALENTIA OBSERVATORY	3	999		8.1	2.4					1,329	0	0.2	3.9	0	63	233	8	2,859	0	-8.5	9.1	0	70	235	10	5,387	0	-24.8	9.6	0	68	236	13	8,921	0	-47.2	12.0	6	6	240	18
		11,562	0	-51.4		0	79	247	18	13,424	0	-52.3		0	78	254	13	16,022	0	-56.0		3	79	258	10	20,375	14	-60.9		17	82	274	7	23,556	20	-61.6		21	80	281	10
DENMARK AND FAROE IS																																									
THORSHAVN	3	993		6.0	3.0					1,306	0	-2.2	2.4	0	48	158	7	2,827	0	-10.6	6.6	0	58	177	8	5,339	0	-26.3	7.8	0	57	191	11	8,840	0	-50.6		0	58	201	15
		11,448	0	-52.7		0	72	210	13	13,304	0	-53.2		0	79	224	10	15,901	0	-56.4		0	86	249	9	20,248	1	-62.2		1	90	279	11	23,392	4	-64.8		6	88	285	13
KOBENHAVN/JAEGERSBORG	3	1,007		6.5	2.7					1,419	0	1.9	10.2	0	55	188	7	2,964	0	-5.7	12.6	0	56	217	8	5,521	0	-22.2	12.9	0	59	232	10	4,074	0	-48.6		0	50	243	12
		11,659	0	-59.2		0	65	260	13	13,463	0	-58.4		0	79	266	11	16,005	0	-60.1		0	88	273	10	20,298	0	-63.9		0	92	283	14	23,413	2	-65.5		2	95	287	18
NORWAY																																									
BJORNOYA	3	1,009		-0.8	2.0					1,367	2	-8.7	2.9	2	19	227	2	2,853	2	-15.7	7.2	2	39	278	5	5,316	2	-31.0	7.9	2	55	290	8	8,758	3	-53.9	7.9	3	70	294	15
		11,311	3	-59.1	12.1	3	89	291	16	13,119	3	-58.7	16.4	3	96	294	15	15,646	4	-61.8	17.9	5	97	298	16	19,850	7	-69.1	17.9	7	95	304	18	22,890	9	-73.0	18.3	9	93	303	21
JAN MAYEN	3	1,005		-0.3	2.5					1,333	1	-6.0	6.5	1	53	166	5	2,834	1	-13.2	7.6	1	44	179	5	5,321	1	-28.9	8.3	1	24	207	5	8,790	1	-52.2	10.9	2	40	229	8
		11,370	1	-57.2	16.3	2	54	237	9	13,197	1	-56.1	20.5	2	81	251	10	15,759	1	-58.7	22.6	1	92	267	11	20,040	1	-65.1	22.8	2	92	282	14	23,201	2	-67.8	23.9	6	84	289	19
BODO	3	1,009		2.6	3.0					1,384	0	-2.2	6.0	0	64	215	6	2,904	0	-9.9	6.5	0	65	233	7	5,419	0	-26.4	7.4	0	68	248	10	8,920	0	-51.0		0	74	262	16
		11,494	0	-59.1		0	91	263	17	13,301	0	-57.9		0	91	273	14	15,844	0	-60.5		0	94	280	14	20,084	0	-67.5		0	85	295	16	23,166	1	-71.1		1	92	298	20
ORLAND	3	1,006		4.9	5.9					1,376	0	-0.2	6.5	0	60	216	6	2,907	0	-8.4	7.8	0	70	227	8	5,441	0	-24.5	6.7	0	69	232	11	8,963	0	-50.0		0	64	239	15
		11,543	0	-58.0		0	83	247	16	13,359	0	-57.0		0	91	258	13	15,913	0	-59.7		0	93	271	12	20,193	0	-65.3		0	90	286	14	23,312	1	-68.4		1	94	290	18
STAVANGER/SOLA	3	1,003		7.6	4.0					1,378	0	1.4	3.8	0	86	168	7	2,916	0	-7.5	7.0	0	80	190	6	5,459	0	-23.2	6.6	0	80	207	7	8,998	0	-49.3		0	83	207	9
		11,595	0	-57.1		0	74	225	8	13,418	0	-56.4		0	80	240	6	15,978	0	-59.9		0	92	250	6	20,275	0	-63.9		0	96	277	7	23,367	1	-67.3		1	95	295	8
OSLO/GARDERMOEN	3	988		1.4	1.2					1,409	0	-1.3	8.0	6	6	191	8	2,938	0	-8.3	9.3	0	66	202	9	5,479	0	-23.2	11.7	0	62	227	11	9,024	0	-48.8		0	62	235	14
		11,611	0	-58.3		0	67	240	13	13,425	0	-57.4		0	82	254	13	15,979	0	-59.6		0	89	269	12	20,270	0	-63.8		0	90	285	14	23,365	0	-67.9		0	92	287	17
FINLAND																																									
SODANKYLA	3	994		-8.3	1.4					1,404	0	-5.3	8.1	0	49	254	5	2,911	0	-11.9	11.4	0	65	276	8	5,409	0	-27.6	9.2	0	74	288	13	8,895	0	-51.9	8.1	0	79	293	20
		11,459	0	-59.5		0	88	296	19	13,247	1	-59.1		1	93	297	17	15,764	5	-61.1		1	94	298	17																
JYVASKYLA/LUONETJARVI	3	1,001		-1.1	1.3					1,439	0	-2.0	9.0	0	52	259	4	2,963	0	-9.1	10.3	0	62	275	6	5,487	0	-25.2	10.1	0	68	278	9	9,002	0	-50.9	8.5	0	63	289	12
		11,557	0	-60.7		0	71	296	13	13,349	0	-59.8		0	83	298	12	15,878	0	-61.4		0	88	301	13	20,065	7	-68.5													

UPPER AIR DATA

NOVEMBER 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
EUROPE		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
FINLAND																																									
JOKIOINEN	3	1,005		0.8	1.1					1,443	0	-1.1	7.4	0	50	241	4	2,972	0	-8.2	9.4	0	50	257	5	5,503	0	-24.5	8.5	0	58	267	8	9,026	0	-50.6	8.3	0	52	281	10
		1,588	0	-60.5		0	60	292	11	3,378	0	-59.7		0	79	293	12	5,906	0	-61.1		0	87	295	13	20,155	0	-66.4		0	91	297	16	23,195	7	-70.8		2	93	295	22
FRANCE																																									
BREST/GUIPAVAS	1	993		9.4	2.0					1,377	0	2.7	5.3	2	76	223	9	2,922	0	-6.0	8.5	2	81	228	11	5,479	0	-21.9	9.9	2	81	230	15	9,052	0	-45.9		5	69	226	18
		1,671	1	-56.2		7	70	246	13	3,494	2	-56.3		8	79	252	11	6,052	2	-58.9		9	80	259	7	20,378	7	-61.5						23,532	15	-62.5					
TRAPPES	1	989		8.3	1.1					1,411	1	4.1	5.9	4	78	220	10	2,966	1	-4.3	8.2	5	76	218	10	5,539	1	-20.3	9.0	5	71	233	13	9,123	2	-46.8		6	69	233	17
		1,717	5	-59.7		7	67	243	14	3,521	5	-58.4		5	73	248	11	6,067	7	-60.6		9	78	255	7	20,375	8	-61.7													
NANCY/ESSEY	2	986		8.0	3.0					1,433	0	5.4	7.7	0	79	228	7	2,994	0	-3.9	8.8	0	77	229	8	5,572	0	-19.8	7.6	0	73	231	12	9,165	0	-45.8		0	71	238	17
		1,774	1	-59.2		0	74	243	18	3,573	0	-58.9		0	76	248	14	6,113	1	-60.0		2	82	262	9	20,435	5	-61.5		5	90	276	8	23,585	8	-62.5		7	92	282	10
LYON/SATOLAS	2	985		11.4	5.2					1,451	0	5.9	7.8	3	70	196	7	3,015	0	-2.8	9.5	3	64	213	8	5,608	1	-18.5	8.9	3	67	222	10	9,213	1	-45.2		3	61	231	14
		1,824	1	-59.0		5	60	236	12	3,626	1	-58.9		5	70	244	11	6,153	4	-60.2		7	78	259	7	20,463	7	-61.3													
BORDEAUX/MERIGNAC	1	1,005		9.6	1.4					1,432	1	5.1	5.6	1	68	230	8	2,992	1	-3.2	7.7	1	68	236	9	5,578	1	-19.2	8.4	1	73	230	13	9,176	2	-45.5		1	65	231	17
		1,730	3	-58.6		1	69	245	18	3,598	3	-58.3		1	77	252	17	6,136	4	-61.5		1	83	256	12					8	89	270	9								
NIMES/COURBESSAC	1	1,006		10.6	4.1					1,464	2	6.1	6.3	6	42	164	4	3,035	3	-2.0	9.7	6	44	231	5	5,641	4	-17.4	9.7	6	55	244	8	9,266	4	-44.5		7	55	252	11
		1,869	4	-61.0		8	67	244	14	3,713	5	-59.2		8	75	254	13	6,161	8	-61.9		9	83	262	10	20,450	12	-61.9													
AJACCIO/CAMPO DEL ORO	2	1,012		17.7	7.2					1,462	1	7.1	7.7	1	38	210	2	3,036	1	-0.5	11.8	2	43	249	4	5,642	1	-17.6	12.1	2	47	253	6	9,260	2	-44.1		2	34	243	6
		1,880	3	-59.6		3	63	254	13	3,681	4	-59.9		5	71	256	12	6,199	5	-62.5		5	83	264	11	20,479	7	-62.1													
NETHERLANDS																																									
DE BILT	1	1,007		7.6	1.0					1,401	0	4.6	6.3	0	78	222	10	2,959	0	-4.4	12.5	0	77	222	12	5,528	0	-21.3	14.7	0	74	228	14	9,100	0	-47.6		0	69	236	21
		1,688	0	-59.2		0	76	243	21	3,494	0	-58.3		0	80	249	15	6,039	0	-59.8		0	85	259	11	20,334	1	-63.1		0	87	276	11	23,520	14	-63.1		1	93	284	14
SWITZERLAND																																									
PAYERNE/ STN. AEROLOGICAL	3	956		5.5	2.1					1,451	0	6.3	9.0	0	69	226	6	3,017	0	-3.0	9.2	0	72	224	8	5,601	0	-19.2	7.8	0	71	239	12	9,195	0	-46.5	5.7	0	62	253	16
		1,790	0	-60.1	5.3	0	69	252	16	3,583	0	-60.5		0	79	255	14	6,101	0	-61.8		0	86	265	11	20,384	1	-62.8		3	85	270	12	23,539	2	-62.5		5	86	277	10
FEDERAL REP OF GERMANY																																									
SCHLESWIG	3	1,004		5.5	2.3					1,411	0	3.4	6.8	0	59	193	8	2,964	0	-4.7	8.3	0	65	219	9	5,531	0	-21.6	8.3	0	69	225	11	9,090	0	-48.5	6.3	0	61	241	15
		1,678	0	-59.1	6.1	0	68	251	16	3,482	0	-58.7		0	70	249	10	6,022	0	-60.3		0	69	261	8	20,310	0	-64.3		5	91	279	9	23,421	1	-66.5		5	94	285	13
HANNOVER	3	1,004		6.4	2.9					1,422	0	4.8	9.5	0	61	217	7	2,982	0	-3.9	11.4	0	71	229	9	5,555	0	-21.2	9.7	0	69	234	12	9,128	0	-47.7	7.3	0	64	248	17
		1,715	0	-59.9	6.9	0	72	257	18	3,513	0	-59.5		0	79	255	14	6,046	0	-60.6		0	85	268	10	20,336	0	-63.6		1	92	277	11	23,456	0	-65.8		1	95	283	14
BERLIN/TEMPELHOF	2	1,008		4.6	3.2					1,438	0	3.7	10.8	0	48	203	5	2,996	0	-3.6	12.9	0	55	231	6	5,572	0	-20.7	11.3	0	62	245	9	9,144	0	-47.9	9.0	0	64	262	14
		1,729	1	-57.1	4.0	16	8	266	14	3,530	1	-59.0		1	79	271	12	6,072	3	-59.8		3	86	273	10	20,372	4	-63.1		4	93	284	11	23,503	4	-64.3		4	95	286	15
ESSEN	3	992		8.7	4.2					1,422	0	4.9	7.3	0	82	224	9	2,980	0	-4.1	8.7	0	77	224	11	5,553	0	-20.7	7.0	0	73	229	14	9,128	0	-47.4	5.7	0	67	240	19
		1,717	0	-59.8	5.9	0	74	247	19	3,517	0	-59.1		0	81	254	15	6,050	0	-60.5		0	86	261	11	20,337	0	-63.7		0	91	274	11	23,467	0	-64.7		0	94	282	14
STUTTGART/CANNSTATT	3	975		6.1	3.3					1,443	0	6.3	11.2	0	56	232	4	3,007	0	-3.1	10.5	0	69	234	6	5,589	0	-19.7	8.5	0	74	239	11	9,180	0	-46.4	6.4	0	68	250	16
		1,777	0	-60.0	6.3	0	74	255	17	3,568	0	-60.4		0	81	260	14	6,094	0	-61.1		0	87	267	11	20,377	0	-63.3		0	92	277	10	23,513	1	-64.2		1	93	285	12
MUNCHEN/OBERSCHLEISSHEIM	3	956		3.7	1.7					1,448	0	6.9	13.3	0	58	250	4	3,017	0	-2.2	13.0	0	64	246	6	5,608	0	-19.2	11.2	0	66	252	9	9,201	0	-46.7	7.5	0	66	265	14
		1,794	0	-60.4	7.1	0	76	268	16	3,584	0	-60.6		0	85	270	14	6,105	0	-61.4		0	89	274	11	20,391	0	-63.0		0	92	280	10	23,533	0	-63.8		0	92	281	14
AUSTRIA																																									
WIEN/HOHE-WARTE	3	993		6.2	3.0					1,468	0	4.4	11.2	0	49	199	11	3,032	0	-2.3	14.5	0	44	248	9	5,618	0	-19.5	11.9	0	55	273	13	9,201	0	-47.8		0	58	289	23
		1,776	0	-61.4		0	80	291	29	3,558	0	-61.1		0	86	285	28	6,075	0	-61.6		0	88	284	23	20,354	3	-63.1		3	92	284	20	23,500	8	-63.4		8	95	288	26
CZECHOSLOVAKIA																																									
LIBUS	3	978		5.0	3.7					1,444	1	3.9	7.4	1	51	339	5	3,009	1	-2.4	12.1	1	48	299	5	5,596	1	-19.8	9.0	1	59	285	7	9,179	1	-47.6	6.6	1	64	272	13
		1,760	1	-61.2	5.6	1	77	277	15	3,545	1	-61.0	5.7	1	86	276	14	6,062	1	-62.0	7.4	1	87	279	11	20,391	10	-63.4		9	92	275	11	23,403	19	-66.3		9	96	280	14
POPRAD/GANOVCE	3	934		2.6	2.9					1,474	0	2.0	6.6	0	59	240	4	3,022	0	-4.8	7.8	0	38	247	4	5,590	0	-20.8	8.7	0	52	296	7	9,164	0	-47.6	7.2	0	66	308	14
		1,742	0	-61.2	6.3	0	79	305	17	3,522	0	-61.4	6.4	0	82	300	14	6,034	0	-62.2		0	88	292	11	20,292	2	-64.5		3	93	288	12	23,420	9	-64.5		9	94	284	14
HUNGARY																																									
BUDAPEST/LORINC	/	1,001		5.0	2.6					1,472	2	2.8	6.1	3	45	195	4	3,028	2	-3.8	9.1	3	36	254	4	5,609	2	-19.8	8.6	3	54	294	7	9,195	2	-47.3	6.4	3	65	307	14
		1,778	3	-60.5		4	79	305	17	3,576	8	-60.5		8	85	297	14	6,101	15	-60.9		16	88	290	11	20,400	34	-61.9		34	91	289	11	23,545	53	-62.3		52	92	284	14
SZEGED	3	1,009		6.5	3.7					1,481	2	3.5	8.7	2	45	193	4	3,041	3	-3.3	9.9	3	33	246	3	5,629	3	-19.0	9.8	3	52	292	7	9,229	3	-46.2	7.1	3	66	302	14
		1,822	3	-60.4		3	75	303	16	3,614	3	-60.2		3	81	295	14	6,135	6	-61.4		6	86	286	11	20,404	15	-63.0		15	93	283	12								
GIBRALTAR																																									
NORTH FRONT	3	1,015		16.5	4.4					1,494	0	8.5	6.8	0	70	259	9	3,075	0	0.3	12.6	0	79	263	11	5,689	0	-16.4	12.3	0	68	267	12	9,321	0	-43.8		0	59	270	15
		1,950	0	-57.7		0	68	277	18	3,752	0	-60.4		0	78	273	18	6,255	0	-63.4		0	85	272	14	20,514	0	-61.8		0	88	262	9	23,699	0	-58.9		0	85	266	9
PORTUGAL																																									
LAJES /ACORES/	1	1,004		15.7	5.1					1,594	1	6.9	3.4	1	75	295	9	3,090	1	1.6	11.4	3	76	285	11	5,720	1	-13.5		4	81	295	16	9,400	1	-39.2		5	77	305	22
		2,070	7	-58.6						3,830	9	-63.3																													
LISBOA/GAGO CONTINHO	2	1,001		14.8	4.1					1,464	0	6.9	7.1	0	59	258	6	3,034	0	-0.8	15.1	0	68	261	9	5,633	0	-17.2	17.9	1	67	268	13	9,251	0	-44.4	15.7	4	54	286	15
		1,872	0	-58.3	19.1	5	68	285	19	3,674	0	-60.1	20.3	5	74	277	16	6,188	2	-62.6		8	81	268	11	20,453	4	-61.7		6	80	261	7								
MADEIRA																																									
FUNCHAL	2	1,012		20.1	7.6					1,523	0	9.0	7.5	0	55	313	4	3,115	0	2.9	21.5	0	69	312	7	5,766	0	-12.5	18.0	0	75	311	12	9,464	0	-39.6		0	72	318	18
		2,126	0	-56.9		0	76	315	20	3,913	1	-62.2		1	80	306	21	6,388	1	-66.9		1	79	301	15	20,627	8	-61.9		8	77	280	7								
SPAIN																																									
LA CORUNA	3	1,002		12.8	4.1					1,431	4	4.5	6.4	4	79	246	10	2,989	4	-3.5	11.3	4	83	254	13	5,573	4	-18.6	10.2	4	79	263	17	9,185	4	-44.8	8.4	4	72	268	22
		1,817	4	-56.0		4	77	273	22	3,635	4	-57.9		4	82	272	19	6,179	4	-60.7		4	86	274	14	20,484	9	-61.7		9	88	272	9	23,666	26	-60.1		9	79	274	9
MADRID/BARAJAS	3	941		10.1	3.7					1,469	0	6.2	8.1	0	62	243	6	3,038	0	-1.6	14.3	0	69	253	10	5,640	0	-17.4	12.7	0	67	255	13	9,260	0	-44.6	11.7	0	57	254	17
		1,883	0	-57.4		0	64	269	17	3,694	0	-58.6		0	74	266	15	6,226	0	-61.3		0	81	267	11	20,526	0	-60.8		0	87	266	7	23,721	11	-58.9		9	96	274	10
PALMA/SON BONET	3	1,008		16.1	4.3					1,469	0	8.7	12.4	0	55	249	6	3,048	0	0.2	20.0	0	61	250	8	5,658	0	-16.7	20.3	0	56	254	10	9,277	0	-44.9	17.7	0	49	257	12
		1,897	0	-58.9		0	61	259	15	3,679	0	-60.4		0	76	260	15	6,188	0	-63.0		0	87	261	13	20,456	0	-62.2		0	92	264	8	23,618	1	-60.4		1	94	271	10

UPPER AIR DATA

NOVEMBER 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	MEAN VECTOR WIND STEADINESS FACTOR	MEAN VECTOR WIND DIRECTION	MEAN VECTOR WIND SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
EUROPE																	
YUGOSLAVIA																	
ZAGREB/MAKSIMIR	1	1,003		4.4	1.1					1,475	0	3.6	6.8	0	41	228	3
		11,836	1	-60.5		1	74	296	14	13,627	1	-60.5		1	81	289	13
BEOGRAD/ZELENO BRDO	3	989		7.1	4.1					1,490	0	4.6	9.8	1	33	218	2
		11,835	0	-59.8		0	71	317	15	13,632	0	-60.0		0	79	309	13
BULGARIA																	
SOFIA OBS.		951		5.3	4.5					1,501	0	2.4	4.1	0	13	196	1
		11,828	0	-59.9	5.4	0	63	300	16	13,622	1	-59.8	5.2	1	75	295	15
KURDJALI		982								1,518	13	2.4	2.3	9	36	125	1
		11,894	26	-57.6	6.7	9	91	330	3								
TURKEY																	
SAMSUN	2	1,018		14.6	5.1					1,503	3	5.5	7.1	3	78	280	5
		11,803	4	-58.6		4	91	280	16	13,617	4	-57.6		7	92	270	16
ISTANBUL/GOZTEPE	2	1,014		14.0	6.7					1,494	0	3.8	5.2	1	70	190	6
		11,775	2	-58.2		3	80	275	16	13,609	5	-58.4		5	60	270	13
IZMIR	2	1,013		17.1	7.7					1,494	0	6.7	7.8	2	25	170	2
		11,870	1	-58.2		4	85	290	23	13,677	1	-59.1		4	93	290	25
ANKARA/CENTRAL	2	915		11.4	9.2					1,517	0	5.4	3.9	0	60	190	3
		11,818	0	-59.3		0	86	260	18	13,622	0	-59.1		1	88	270	23
ISPARTA	2	903		11.4	8.6					1,512	0	7.0	6.4	0	75	142	3
		11,887	0	-58.3		0	81	282	17	13,695	0	-58.7		0	95	279	20
USSR																	
MURMANSK		1,007		-6.2	2.1					1,391	0	-7.6	4.4	0	36	260	4
		11,372	0	-60.2	5.2	0	88	304	21	13,172	0	-60.4	5.8	0	88	304	19
ARKHANGELSK		1,018		-6.0	2.7					1,412	0	-8.0	4.2	0	46	302	3
		11,405	0	-60.5	5.0	0	76	323	11	13,198	0	-60.4	5.3	0	76	322	10
LENINGRAD /TOWN/VILLE/		1,010		-1.7	1.2					1,446	0	-2.8	6.7	0	29	265	3
		11,568	0	-61.7	4.8	0	54	309	13	13,350	0	-60.9	5.3	0	66	303	13
KAUNAS		1,010		1.8	2.6					1,469	0	0.0	7.0	0	36	206	4
		11,671	0	-60.3	6.6	8	33	274	6	13,468	0	-59.0	6.9	9	32	265	5
MINSK		953		-0.1	2.4					1,475	0	-0.8	8.3	0	17	246	2
		11,632	0	-59.8	6.8	0	47	320	9	13,431	0	-59.0	7.5	0	70	305	11
VOLOGDA		1,005		-4.2	2.3					1,445	0	-4.8	6.5	1	54	274	5
		11,558	0	-60.5	5.6	3	61	293	15	13,355	0	-59.4	5.9	3	65	288	15
MOSKVA		998		-3.4	1.2					1,456	1	-4.2	7.4	2	32	294	3
		11,568	1	-60.1	6.7	1	53	318	10	13,360	2	-59.0	7.2	2	64	309	11
KAZAN		1,002		-4.0	2.1					1,410	12	-5.5	4.8	9	45	276	5
		11,474	12	-58.1	5.8	9	89	309	20	13,284	12	-58.5	6.0	9	91	306	21
SARATOV		1,003		-1.4	2.1					1,480	5	-2.5	4.4	5	44	278	5
		11,624	5	-59.2	5.6	5	78	289	14	13,429	5	-58.5	5.9	5	84	293	14
LVOV		980		2.9	4.3					1,482	0	1.7	8.5	2	25	195	2
		11,717	0	-59.1	7.3	9	43	325	5	13,520	0	-59.0	7.6	9	52	306	4
KIEV		1,000		0.0	2.5					1,460	7	-2.6	6.0	7	17	308	2
		11,653	7	-57.0		7	68	303	15	13,465	7	-57.6		7	79	300	15
HARKOV		1,007		3.0	2.2					1,520	17	1.2	4.8	9	27	62	2
		11,762	17	-58.9		9	52	341	4	13,579	17	-58.7		9	69	325	5
ODESSA		1,017		5.1	3.9					1,488	1	1.4	8.8	1	20	334	2
		11,778	2	-57.0	6.7	2	63	304	15	13,594	2	-57.9	7.4	2	73	302	15
ROSTOV-NA-DONU		1,014		2.7	3.2					1,497	8	0.7	8.1	8	45	119	3
		11,650	8	-59.1	6.2	8	77	280	8	13,453	8	-58.9	6.7	8	90	285	9
TBILISI		964		8.4	5.5					1,518	10	2.2	4.1	9	30	139	2
		11,763	16	-59.0	5.6	9	94	257	13	13,589	16	-59.3	6.5	9	95	262	14
AFRICA																	
MOROCCO																	
CASABLANCA	2	1,010		17.6	3.5					1,506	0	9.5	8.9	1	63	249	5
		12,043	4	-56.1						13,842	5	-60.3					
SPANISH CANARY IS.																	
SANTA CRUZ DE TENERIFE	3	1,013		21.1	6.7					1,532	0	11.0	9.4	0	32	322	3
		12,157	0	-56.6		0	76	303	16	13,953	0	-62.9		0	82	295	16
ALGERIA																	
ALGER/DAR EL BEIDA	3	1,011		17.3	7.5					1,487	0	9.5	9.8	0	74	240	7
		11,942	0	-57.8		2	65	260	16	13,745	1	-60.3		7	74	260	15
ELBAYADH	1									1,500	0	10.8	13.0	0	5	250	3
		12,004	0	-57.2		9	1	210	16	13,817	0	-60.0					
BECHAR	2	925		17.9	15.3					1,526	0	11.3	19.4	0	28	210	4
		12,028	0	-56.6		4	28	200	19	13,821	1	-64.6		7	84	190	18

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
EUROPE																								
YUGOSLAVIA																								
ZAGREB/MAKSIMIR	3,038	0	-2.3	11.3	0	36	248	3	5,630	0	-18.7	12.2	0	51	281	6	9,237	0	-45.7		1	56	295	10
	16,150	1	-61.1		1	88	285	11	20,444	6	-62.1													
BEOGRAD/ZELENO BRDO	3,050	0	-3.0	10.3	0	30	293	3	5,640	0	-18.8	11.7	0	54	309	10	9,242	0	-46.5		0	60	316	13
	16,157	0	-61.3		0	88	301	12	20,456	5	-61.7		5	94	302	10	23,544	19	-62.9		9	99	304	14
BULGARIA																								
SOFIA OBS.	3,053	0	-3.9	6.5	0	31	292	3	5,633	0	-19.1	8.0	0	56	300	8	9,233	0	-46.7	6.0	0	55	302	13
	16,149	3	-61.4	6.5	3	79	283	13	20,421	6	-62.0	7.4	6	95	281	15	23,565	10	-60.9	8.2	9	97	274	17
KURDJALI	3,070	13	-4.2	2.9	7	55	10	2	5,379	14	-18.9	6.5	9	51	340	3	9,218	19	-45.7	5.9	9	86	355	4
TURKEY																								
SAMSUN	3,063	3	-3.6	11.4	3	77	270	7	5,643	3	-20.0	12.7	3	81	270	9	9,223	3	-47.6		3	88	265	15
	16,162	5	-60.2		10	91	270	14	20,452	8	-61.9		17	97	265	15	23,634	10	-60.0		22	98	270	18
ISTANBUL/GOZTEPE	3,051	0	-3.6	9.3	0	60	265	4	5,632	0	-19.2	12.2	0	80	260	13	9,219	2	-47.2		2	90	265	18
	16,145	5	-60.0		6	60	275	11	20,455	9	-61.7		10	70	265	11	23,625	12	-58.8		13	90	265	11
IZMIR	3,065	0	-1.5	9.5	2	45	290	5	5,665	0	-18.0	11.3	2	62	310	10	9,272	1	-45.9		4	64	290	16
	16,203	1	-61.7		4	86	290	19	20,505	8	-61.4		11	94	290	16	23,654	9	-58.9		12	83	280	15
ANKARA/CENTRAL	3,069	0	-4.3	6.3	0	56	230	5	5,650	0	-19.7	10.3	0	73	240	11	9,232	0	-47.7		0	87	250	21
	16,150	2	-61.5		0	86	260	19	20,429	6	-62.3		6	88	255	15	23,595	7	-59.9		7	78	250	11
ISPARTA	3,080	0	-2.0	7.3	0	62	232	5	5,679	0	-18.0	9.8	0	69	274	9	9,285	0	-45.9		0	58	283	11
	16,221	0	-61.8		0	80	272	16	20,501	1	-62.2		1	88	266	14	23,672	5	-59.8		5	89	263	16
USSR																								
MURMANSK	2,884	0	-14.7	7.1	0	48	290	6	5,362	0	-29.6	7.1	0	72	300	13	8,821	0	-53.4	5.1	0	82	301	21
	15,676	0	-63.2	6.1	0	89	307	18	19,849	1	-70.7	6.1	2	91	305	20	22,878	5	-74.8	6.0	7	91	306	22
ARKHANGELSK	2,907	0	-14.0	7.2	0	59	315	5	5,390	0	-29.0	7.5	0	70	323	8	8,858	0	-53.1	5.3	0	70	323	11
	15,713	0	-62.7	5.5	0	82	324	10	19,965	2	-67.8	5.7	3	87	317	10	23,117	9	-69.1	5.9	9	87	317	10
LENINGRAD /TOWN/VILLE/	2,972	0	-9.4	8.1	0	42	284	5	5,496	0	-25.0	8.6	0	48	299	8	9,009	0	-50.9	5.2	0	47	306	11
	15,861	1	-62.0	6.1	2	80	296	14	20,116	4	-66.1	6.4	4	88	291	16	23,216	9	-68.3	7.1	9	91	287	21
KAUNAS	3,006	0	-6.7	9.6	0	30	224	4	5,557	0	-22.8	10.2	1	22	260	4	9,100	0	-49.8	7.5	8	20	293	4
	16,002	0	-60.6	7.1	9	45	282	6	20,285	0	-63.3	7.2	9	59	282	8	23,446	2	-64.5	7.5	9	72	285	12
MINSK	3,006	0	-8.1	10.9	0	24	278	3	5,543	0	-24.6	10.6	0	18	322	3	9,068	0	-51.0	7.2	0	30	344	7
	15,960	0	-61.5	8.1	0	76	302	11	20,221	0	-65.3	8.5	0	89	295	14	23,298	0	-67.7	8.4	0	95	291	19
VOLOGDA	2,960	0	-10.5	10.0	0	56	278	7	5,479	0	-25.5	8.5	0	64	285	11	8,995	0	-50.5	6.0	3	62	294	15
	15,886	0	-60.6	6.1	4	78	284	16	20,148	2	-65.6	5.8	9	80	282	15	23,205	9	-70.1	6.5	9	90	275	17
MOSKVA	2,975	1	-9.7	10.8	1	39	302	4	5,496	1	-25.6	10.2	1	44	309	6	9,006	1	-51.7	7.5	1	39	322	8
	15,888	2	-61.5	8.0	28	1	305	13	20,140	5	-66.1	8.1	5	91	294	17	23,265	8	-67.2	8.7	9	95	288	20
KAZAN	2,922	12	-10.8	7.2	9	69	286	10	5,431	12	-26.7	7.4	9	72	284	13	8,925	12	-51.8	6.0	9	77	291	17
	15,823	12	-59.8	6.2	9	91	305	21	20,161	17	-62.2	6.3					23,340	17	-63.4	6.3				
SARATOV	3,003	5	-9.3	6.5	5	53	279	7	5,529	5	-25.0	8.3	5	62	284	10	9,048	5	-50.4	6.1	5	61	282	12
	15,970	5	-59.8	6.1	7	88	296	14	20,267	5	-63.0	6.5	9	89	289	13	23,424	5	-63.5	6.9	9	93	290	16
LVOV	3,027	0	-6.0	10.5	3	9	261	1	5,585	0	-22.3	10.6	2	40	323	5	9,132	0	-49.2	8.0	55	2	316	9
	16,055	0	-60.5	7.7	9	90	297	7	20,363	1	-62.4	8.4	9	96	293	9	23,517	1	-62.2	8.8	9	86	293	12
KIEV	2,984	7	-9.0	10.6	7	25	300	3	5,512	7	-24.5	10.2	7	34	300	5	9,049	7	-48.9		7	49	302	11
	16,011	7	-60.4		7	88	301	14	20,271	11	-65.2		9	96	291	18	23,345	14	-68.2		9	93	284	23
HARKOV	3,069	17	-5.3	10.5	9	55	345	3	5,628	17	-22.3	10.6	9	57	325	4	9,175	17	-49.5		9	47	332	5
	16,126	17	-59.6		9	80	313	6	20,468	18	-60.1		9	90	299	9	23,641	18	-59.4		9	99	293	11
ODESSA	3,040	1	-5.9	10.1	1	35	301	3	5,582	2	-21.4	8.8	2	49	301	7	9,163	2	-46.3	7.1	2	53	299	13
	16,138	3	-59.8	8.0	4	83	299	13	20,431	5	-62.3	8.5	5	95	290	14	23,590	6	-62.6	9.1	6	96	285	16
ROSTOV-NA-DONU	3,035	8	-7.3	8.5	8	16	210	1	5,569	8	-24.6	8.6	8	36	255	3	9,082	8	-51.3	6.6	8	61	271	8
	15,986	8	-60.6	7.3	8	96	285	11	20,285	9	-62.3	7.8	9	97	284	14	23,447	11	-61.5	8.2	9	99	284	16
TBILISI	3,062	10	-5.7	4.3	9	26	267	2	5,611	10	-21.4	6.8	9	54	255	5	9,163	10	-49.2	5.4	9	72	252	11
	16,120	16	-59.7	6.9	9	93	270	14	20,584	18	-60.8	8.0	9	87	272	12								
AFRICA																								
MOROCCO																								
CASABLANCA	3,097	1	1.3	12.8	1	62	253	7	5,730	2	-14.9	14.2	3	53	282	7	9,386	2	-41.4		4	53	288	11
SPANISH CANARY IS.																								
SANTA CRUZ DE TENERIFE	3,132	0	4.8	9.1	0	44	319	4	5,793	0	-11.8	18.4	0	72	316	9	9,493	0	-39.8	13.0	0	75	306	14
	16,403	0	-69.1		0	81	292	11	20,604	1	-61.9		1	92	363	36	23,777	5	-54.9		5	93	264	9
ALGERIA																								
ALGER/DAR EL BEIDA	3,069	0	0.6	12.0	0	65	260	8	5,684	0	-16.5	12.5	0	64	260	10	9,314	0	-47.6		1	60	250	13
	16,263	9	-63.4		9	84	260	13																
ELBAYADH	3,096	0	1.8	12.3	7	2	20	10	5,759	0	-15.7	12.4	8	3	50	21	9,367	0	-43.0	9.7	9	1	220	12
	16,309	0	-63.8						20,593	10	-60.5													
BECHAR	3,116	0	1.4	21.2	0	33	190	6	5,746	0	-15.0	25.1	0	64	190	9	9,390	0	-42.6		1	58	180	14
									20,583	2	-60.7						23,796	2	-55.4					

UPPER AIR DATA

NOVEMBER 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
AFRICA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
ALGERIA																																									
TINDOUF/VILLE	2	967		21.9	16.1					1,526	0	12.9	14.7	2	17	220	10	3,032	0	3.6	16.7	9	20	320	14	5,773	0	-13.0	16.4					9,455	0	-40.1					
		12,122	0	-55.6						13,923	0	-56.2						16,388	0	-56.8						20,598		-56.2													
IN SALAH	3																	3,104	0	4.1	20.4					5,793	0	-12.7	14.8	1	74	250	12	9,494	0	-40.0		2	88	260	25
		12,144	1	-56.9		3	73	270	35	13,937	2	-63.5		4	96	270	31	16,389	2	-69.2		7	77	260	19																
LIBYAN ARAB REP																																									
TRIPOLI INTL. AP	3	1,008		19.0	5.9					1,527	0	11.2	13.3	0	61	259	6	3,121	0	2.3	15.9	0	70	267	7	5,754	0	-14.8	17.7	0	76	270	11	9,410	0	-42.4	13.2	1	74	271	17
		12,050	0	-57.2	15.2	1	84	270	23	13,854	0	-60.8	19.9	1	87	268	22	16,346	0	-65.1	21.9	0	89	267	17	20,593	0	-61.6	24.7	0	92	269	8	23,789	4	-56.4	27.1	4	94	269	12
BENINA	3	1,014		19.1	6.1					1,532	0	10.1	11.3	0	55	275	4	3,121	0	1.5	14.5	0	73	287	8	5,753	0	-14.9	14.7	0	81	286	14	9,409	0	-42.1	11.1	0	85	285	22
		12,057	0	-56.1		0	91	280	29	13,851	0	-60.1		0	92	275	27	16,367	0	-64.7		0	96	272	20	20,615	1	-61.5		0	91	273	10	23,817	3	-56.3		3	98	263	13
SEBHA	2	969		22.8	17.1					1,538	0	13.6	17.3	0	33	215	3	3,145	0	5.3	21.7	1	67	235	7	5,800	0	-12.8	22.8	3	81	235	13	9,489	0	-39.5	20.2				
		12,161	2	-56.3						13,963	4	-62.9						16,421	10	-66.7																					
KUFRA	2	971		23.8	19.3					1,543	1	13.3	19.8	1	50	345	3	3,181	1	5.8	24.0	1	63	296	5	5,809	1	-11.4	24.3	1	81	280	13	9,522	1	-38.1	20.0	3	85	270	20
		12,204	1	-55.8		5	49	270	12	13,991	1	-64.5						16,418	1	-70.8						20,635	9	-60.2													
SUDAN																																									
KHARTOUM	2	967		33.1	22.2					1,530	0	22.1	17.9	0	22	360	5	3,177	0	11.3	2.0	1	42	238	3	5,889	0	-6.0	20.1	5	46	280	3	9,682	0	-33.1	18.0	1	76	282	11
		12,400	0	-54.6	1.1	9	98	278	21	14,182	1	-68.1		1	92	275	18	16,549	5	-66.5		1	77	278	9	20,633	10	-63.3		5	79	100	8	23,841	4	-56.1		9	96	100	14
MAURITANIA																																									
NOUADHIBOU	2	1,017		20.4	7.0					1,549	5	16.2	16.1	6	41	20	3	3,174	5	7.2	19.0	9	45	310	3	5,857	5	-9.1	19.7	9	77	300	9	9,609	5	-35.9	14.2	9	68	280	12
		12,303	5	-56.3		9	76	290	17	14,084	5	-66.5		9	73	280	13	16,500	5	-71.7		9	79	270	9	20,681	9	-61.1													
SENEGAL																																									
DAKAR/YOFF	3	1,010		25.2						1,537	1	20.2		5	46	66	3	3,176	1	8.3		8	17	204	1	5,890	1	-6.9		9	63	279	4	9,677	1	-33.6		9	86	263	15
		12,382	1	-56.0		9	89	260	21	14,149	4	-70.2						16,538																							
NIGER																																									
NIAMEY-AERO	3	987		30.4	27.7					1,535	0	26.8	29.9	9	32	90	10	3,178	0	9.5	18.3	9	14	90	3	5,883	0	-6.6	18.7					9,684	0	-32.9	15.4				
		12,402	0	-54.7						14,184	0	-68.3						16,557	1	-77.7																					
IVORY COAST																																									
ABIDJAN	2	1,011		29.0	4.5					1,533	0	19.5	2.7					3,183	0	10.8	7.6					5,743	0	-4.1	11.3					9,743	0	-30.9	10.0				
		12,485	0	-53.1						14,278	0	-67.0						16,641	0	-80.3																					
CENTRAL AFRICAN REP																																									
BANGUI		969		28.6	22.7					1,513	0	20.1	14.4	0	45	111	4	3,161	0	9.2	1.2	0	46	91	10	5,872	0	-5.9	14.6	1	92	103	17	9,613	0	-31.2	44.5	3	63	94	10
		12,434	0	-53.4		2	61	168	13	14,245	1	-67.2		3	6	192	1	16,577	2	-80.8		3	56	64	10	20,626	5	-66.2		9	99	88	7								
KENYA																																									
NAIROBI/DAGORETTI		822		15.0	0.8													3,140	1	8.2	4.8	1	92	75	6	5,847	1	-6.5	13.7	1	85	100	6	9,656	1	-32.5	20.5	1	77	80	5
		12,383	1	-54.9		1	25	105	2	14,162	1	-68.7		1	33	280	3	16,502	1	-81.5		1	14	190	12	20,491	6	-69.7		5	98	95	20	23,612	9	-54.7		9	60	100	8
ETHIOPIA																																									
ASMARA	2	772		21.5	14.7													3,166	2	12.1	8.2	2	40	100	5	5,880	2		15.3	2	63	215	8	9,659	2	-34.3	16.5	2	82	255	11
		12,356	2	-55.8	13.3	2	80	285	15	14,148	4	-69.4		4	70	275	20	16,508	5	-79.6		5	75	255	16	20,562	9	-64.3		10	31	130	16	23,716	16	-58.1		16	61	110	18
ADDIS ABABA	2	768		22.2	15.6													3,159	0	12.2	10.6	1	75	100	4	5,881	0	-5.0	24.0	6	50	100	6	9,696	0	-31.9	25.8	10	50	65	6
		12,425	0	-54.1	17.9	10	25	45	8	14,209	0	-67.8		13	38	45	8	16,568	1	-80.1		17	57	265	7	20,605	4	-66.1		22	55	90	9	23,781	7	-55.2					
ZAMBIA																																									
LUSAKA CITY AIRPORT	2	873		25.8	9.0					1,516	2	23.2	10.1	4	91	225	11	3,163	2	10.8	13.0	9	89	243	8	5,874	2	-5.9	20.2	9	60	309	6	9,683	2	-31.7	20.5	9	89	40	16
		12,411	2	-54.3		9	95	74	18	14,187	3	-67.3		9	87	47	16	16,556	6	-77.0						20,629	22	-62.3													
MADAGASCAR																																									
ANTANANARIVO/IVATO	3	877		21.7	8.5					1,532	0	18.3	5.9	0	36	90	3	3,175	0	8.4	6.5	8	18	20	2	5,863	0	-7.3	10.0					9,650	5	-33.3	11.6				
		12,359	8	-55.2						14,172	9	-65.7						16,540	10	-76.4																					
MOZAMBIQUE																																									
NAMPULA	2	962		30.1	13.0					1,526	6	19.3	6.0	7	33	88	1	3,163	6	8.3	7.0	7	33	18	1	5,867	6	-6.7	10.5	8	59	336	3	9,671	7	-32.1	9.8	8	52	270	6
		12,398	7	-54.3		8	50	240	8	14,190	7	-66.2		8	59	256	8	16,571	9	-67.2		9	31	118	2	20,644	13	-64.1		9	98	91	14	23,836	15	-56.3		9	99	91	19
MAPUTO/MAVALANE	2	1,011		27.0	9.2					1,532	3	14.4	6.9	3	33	272	2	3,154	3	7.1	14.2	3	57	272	4	5,837	3	-0.4	17.4	3	61	251	6	9,573	3	-37.3	14.9	3	60	256	12
		12,263	3	-55.1		3	74	263	21	14,070	3	-62.4		3	88	262	22	16,513	3	-71.3		4	75	257	9	20,668	7	-63.2		9	93	85	9	23,863	11	-57.0		9	85	85	8
OCEAN ISLANDS																																									
ST. HELENA IS	2	967		18.5	3.7					1,534	0	19.4	26.5	0	88	101	12	3,180	0	10.7	22.0	0	53	62	6	5,890	0	-5.4	40.0	0	39	64	5	9,689	0	-33.5	31.7	0	73	304	16
		12,400	0	-54.8		0	94	299	30	14,188	0	-65.7		0	90	309	27	16,584	0	-75.6		0	55	13	9	20,690	0	-63.4		0	98	88	27	23,883	1	-56.5		0	97	90	35
DIEGO GARCIA/MAURITIUS	1	1,010		26.2	1.9					1,499	22	16.8	2.5	22				3,134	22	8.3	2.3	22				5,846	22	-6.4	7.2	23				9,653	22	-32.3	9.0	22			
		12,371	23	-55.5		23				14,142	23	-70.1		23																											
ILE NOUVELLE-AMSTERDAM	2	1,011		13.8	3.5					1,482	0	5.4	5.4	1	87	293	26	3,052	0	-1.2	9.7	3	93	280	31	5,667	0	-15.6	11.1					9,326	0	-40.9	8.6				
		11,992	1	-54.0						13,832	0	-55.5						16,386	2	-59.2						20,755	12	-55.6						24,021	21	-52.0					
PORT-AUX-FRANÇAIS/KERGUELEN	2	993		5.3	6.0					1,291	4	-4.1	3.0	2	79	265	24	2,800	4	-11.3	9.8	2	81	268	31	5,318	4	-25.3	7.5	2	84	270	42	8,850	4	-47.4	16.0	2	82	272	58
		11,501	5	-50.0		3	90	268	58	13,385	5	-49.6		4	92	273	50	16,030	6	-50.3		7	94	269	44	20,587	13	-48.6						23,950	20	-45.4					
SOUTH AFRICA																																									
J. G. STRIJDOM	1	831		19.6	15.8					1,513				4	81	200	1	3,165	1	12.1	16.5	1	57	153	4	5,879	1	-7.7	16.0	1	39	209	3	9,637	1	-35.0	17.1	1	69	275	11
		12,350	1		54.1	1	80	287	20	4,153	1	-64.3		1	76	282	18	16,568	1	-74.4		1	52	284	5	20,680	8	-63.7		9	87	104	9								
UPINGTON	1	919		20.9	14.7					1,511	0	20.3	20.4	0	17	326	1	3,154	0	9.9	21.7	0	45	261	4	5,852	0	8.9	22.2	0	44	241	6	9,589	0	-37.2	19.1	0	69	260	14
		12,273	0	-54.9		0	74	270	17	14,080	0	-61.9		0	81	262	17	16,535	0	-69.2		4	82	270	13																
PRETORIA/IRENE	1	850		14.1	3.2					1,525				3	65	104	2	3,153	2	8.3	24.2	2	40	257	2	5,838	2	-9.6	18.8	2	43	242	5	9,572	2	-37.4	16.1	2	72	265	14
		12,255	2	-55.7		2	83	269	21	14,054	21	-63.0		2	86	267	17	16,487	3	-71.7		3	80	260	8	20,628	9	-64.6		9	80	115	6								
BLOEMFONTEIN/J.B.M. HERTZOG		866		15.8	8.2					1,515	0	16.2	11.5	0	31	41	1	3,147	0	8.4	17.5	0	72	252	5	5,831	0	-9.9	19.6	0	59	242	9	9,558	0	-37.7	15.5	0	66		

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STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	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
AFRICA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
SOUTH AFRICA																																											
CAPE TOWN/D.B.MALAN	1	1,011		15.8	2.9					1,518	0	14.8	22.6	0	51	193	3	3,134	0	6.2	28.4	0	76	251	7	5,798	0	-11.0	28.9	0	79	264	13	9,503	0	-39.4	20.2	0	75	257	22
		12,167	0	-56.1		0	76	260	26	13,974	0	-60.6		0	86	254	24	16,454	0	-66.9		0	92	267	15	20,661	2	-66.3		6	40	173	2								
PORT ELIZABETH	1	1,010		16.5	2.4					1,527	0	12.3	13.9	0	21	218	1	3,135	0	5.6	22.6	0	71	257	6	5,798	0	-11.5	24.6	0	83	262	12	9,499	0	-39.5	17.2	0	74	260	17
		12,163	0	-55.2		0	78	263	19	13,976	0	-60.0		0	84	262	18	16,464	0	-66.1		1	92	260	14	20,695	3	-62.2		3	51	189	2								
DURBAN/LOUIS BOTHA	1	1,015		19.6	3.4					1,520	3	12.9	7.5	3	24	218	4	3,134	3	6.5	16.3	3	56	255	4	5,808	4	-10.6	21.7	3	74	254	12	9,527	3	-38.3	19.2	3	65	271	16
		12,195	3	-56.0		3	75	272	4	14,003	3	-61.3		3	81	268	2	16,467	3	-69.0		4	87	259	12	20,643	7	-64.3		7	70	119	4	23,811	9	-58.9		9	95	101	12
GOUGH ISLAND	1	1,009		11.8	2.1					1,470	0	5.4	9.1	0	83	295	**	3,036	0	-2.1	15.3	0	73	286	0	5,633	0	-17.4	18.1	0	92	289	25	9,266	0	-42.4	14.2	0	90	292	42
		11,921	0	-54.4		0	90	287	47	13,752	0	-56.4		0	93	290	42	16,304	1	-59.2		2	94	294	28																
MARION ISLAND	1	1,006		4.6	2.1					1,390	1	0.2	14.8	1	77	260	11	2,921	1	-57.6	19.4	1	86	251	16	5,467	1	-22.4	17.7	1	87	256	24	9,036	1	-45.6	21.3	1	83	254	31
		11,681	1	-52.8		1	88	252	35	13,535	3	-53.7		5	89	249	36																								
ASIA																																									
USSR-WESTERN																																									
DRUJNAYA/OSTROV HEJSA/		1,014		-14.1	2.2					1,345	0	-18.3	2.3	0	34	338	4	2,784	0	-23.3	5.6	0	47	345	6	5,180	0	-37.0	4.8	0	69	348	10	8,552	0	-57.3	3.7	0	70	346	14
		11,092	0	-59.6	3.8	0	76	352	12	12,890	0	-60.0	4.0	0	88	348	12	15,407	0	-62.9	4.2	0	91	349	11	19,618	0	-69.4	4.2	0	81	355	11	22,674	4	-71.6	4.1	4	83	353	11
MYS CELJUSKIN		1,013		-21.3	2.2					1,309	0	-21.2	3.4	0	18	139	2	2,727	0	-26.3	4.6	0	36	131	4	5,095	0	-39.5	4.3	0	24	133	3	8,432	0	-58.5	3.6	0	18	118	3
		10,975	0	-58.2	4.3	0	46	101	4	12,780	0	-59.6	4.8	0	59	98	4	15,293	0	-63.1	5.1	0	69	108	4	19,483	1	-70.9	5.0	1	76	125	5	22,493	2	-74.2	4.7	2	81	138	6
OSTROV DIKSON		1,007		-21.9	1.4					1,304	0	-21.8	1.8	0	40	11	4	2,716	0	-27.5	2.5	0	53	15	6	5,073	0	-40.3	2.9	0	54	17	8	8,411	0	-57.5	2.8	0	54	18	9
		10,959	0	-57.7	3.4	0	76	8	9	12,765	0	-59.8	3.8	0	76	3	8	15,277	0	-64.0	4.0	0	79	1	7	19,446	3	-71.2	4.0	3	81	347	7	22,507	8	-73.6	4.3	9	81	334	8
MYS KAMENNYJ		1,019		-31.2	3.1					1,319	20	-25.2	3.4					2,718	20	-30.0	5.2					5,053	20	-42.5	5.0					8,372	20	-58.0	4.6				
		10,901	20	-59.2	4.7					12,698	20	-61.7	4.8																												
NAR JAN-MAR		1,018		-13.9	2.5					1,384	0	-13.2	4.4	0	29	340	4	2,847	0	-20.6	6.8	0	59	334	8	5,278	0	-33.6	6.2	0	76	328	13	8,692	0	-55.4	4.8	0	76	324	20
		11,244	0	-58.7	4.8	0	81	327	20	13,053	0	-59.3	5.0	0	82	326	19	15,574	0	-62.1	5.2	0	90	323	20	19,787	0	-69.1	4.9	0	86	316	20	22,827	0	-72.8	4.9	0	90	312	22
SALEHARD		1,015		-21.3	3.3					1,347	6	-17.3	3.2	7	72	329	8	2,787	6	-22.1	5.7	6	75	336	10	5,179	6	-37.3	5.3	6	77	339	15	8,548	7	-56.1	4.8	7	77	336	20
		11,119	8	-57.0	5.6	8	88	330	18	12,930	8	-58.2	6.4	8	87	327	17	15,463	9	-61.6	6.7	9	89	322	17	19,724	14	-67.1	7.3	9	92	323	17								
HATANGA		1,012		-26.7	2.7					1,293	0	-23.1	2.4	0	5	205	1	2,703	0	-28.0	2.6	0	17	146	2	5,060	0	-40.4	2.0	2	2	134	3	8,394	0	-58.8	2.3	0	27	114	4
		10,932	0	-58.0	2.6	0	22	99	2	12,745	0	-59.0	2.8	0	11	119	1	15,264	0	-62.6	3.0	0	16	183	1	19,443	2	-69.6	3.1	3	51	208	3	22,484	6	-72.2	3.2	9	89	211	7
TURUHANSK		1,011		-26.9	3.8					1,309	0	-23.0	3.2	0	17	245	2	2,717	0	-27.1	4.2	0	35	287	4	5,091	0	-39.7	4.7	0	47	288	7	8,435	0	-57.2	4.3	0	58	287	11
		10,989	0	-57.0	5.3	0	68	293	10	12,812	0	-58.6	6.1	0	78	294	10	15,371	1	-62.5	6.5	1	82	294	10	19,582	3	-68.6	6.9	5	84	289	11	22,691	10	-71.1	7.4	9	89	283	14
SYKTYVKAR		1,005		-11.4	2.5					1,411	0	-10.6	4.0	0	40	309	5	2,894	0	-15.4	7.4	0	64	313	9	5,363	0	-29.7	7.7	0	68	317	14	8,824	0	-53.3		0	74	320	20
		11,376	0	-59.3		0	78	320	20	13,178	0	-59.3		0	84	317	19	15,697	1	-62.0		1	84	314	18	19,869	7	-69.3		7	88	301	21	22,924	14	-72.0		9	94	291	25
HANTY-MANSIJSK		1,014		-17.5	2.2					1,366	0	-15.9	2.9	0	58	315	6	2,816	0	-21.0	4.2	0	72	312	9	5,237	0	-34.0	4.8	0	76	312	15	8,651	0	-55.7	4.2	0	74	311	19
		11,204	0	-58.6	4.7	1	81	307	19	13,004	0	-58.7	5.3	1	90	305	19	15,528	0	-61.8	5.6	1	86	302	19	19,734	3	-69.0	5.7	5	90	295	22	22,779	6	-72.1	5.8	8	96	290	25
TURA		996		-31.9	2.7					1,343	0	-24.3	2.1	0	43	251	3	2,760	0	-27.8	2.5	0	59	261	5	5,119	0	-39.9	3.2	0	67	262	8	8,459	0	-58.0	2.9	0	74	273	11
		11,001	0	-57.7	3.9	0	75	273	9	12,814	0	-59.5	4.5	0	79	277	8	15,358	2	-62.4	4.9	2	86	273	8	19,563	6	-68.2	5.2	7	85	263	10	22,621	14	-70.7	5.4	9	94	262	15
SVERDLOVSK		985		-13.4	2.7					1,413	0	-11.1	4.4	0	66	306	7	2,892	0	-15.6	6.6	0	72	303	10	5,356	0	-30.5	6.0	0	72	303	14	8,796	0	-54.6	4.8	0	72	303	20
		11,334	0	-59.9	4.9	0	82	301	20	13,136	0	-59.5	5.6	0	85	301	18	15,659	0	-61.9	6.1	0	89	298	18	19,857	1	-66.4	6.3	2	94	289	23	23,029	16	-68.0	6.5	9	98	286	27
OMSK		1,010		-15.5	2.9					1,403	0	-12.3	5.0	0	63	278	7	2,879	0	-16.7	6.4	0	78	283	11	5,342	0	-30.5	5.8	0	78	285	18	8,786	0	-54.2	4.9	0	78	284	25
		11,332	0	-59.2	5.2	0	84	286	24	13,125	0	-58.6	5.8	0	88	286	21	15,659	0	-60.8	6.3	0	92	284	21	19,937	1	-65.4	6.8	1	95	281	25	23,035	3	-66.8	6.9	5	92	276	29
KOLPASEV		1,010		-18.4	3.3					1,374	1	-16.7	2.7	1	66	272	7	2,822	1	-21.5	4.3	1	86	268	10	5,242	1	-34.0	4.2	1	85	268	15	8,648	1	-55.3	3.5	1	81	272	20
		11,198	1	-59.5	4.1	1	88	278	21	13,001	2	-59.0	4.7	3	90	282	20	15,539	4	-60.0	5.3	4	94	283	20	19,800	8	-65.9	5.8	9	96	279	22	22,963	17	-67.4	6.1	9	96	276	26
KRASNOJARSK		995		-14.6	3.4					1,417	0	-13.4	3.5	2	86	257	12	2,880	0	-19.4	3.4	9	6	265	15	5,323	0	-32.3	3.0	0	86	268	18	8,740	0	-54.3	2.5	0	83	273	21
		11,289	2	-61.0	2.8	3	90	278	23	13,081	4	-59.6	3.5	5	94	277	22	15,647	8	-59.6	4.3	8	97	278	21	19,904	16	-63.2	5.5	9	96	275	24								
KIRENSK		989		-20.6	2.8					1,399	0	-16.8	2.7	2	92	260	10	2,839	0	-22.9	3.2	2	91	269	12	5,238	0	-36.7	3.8	1	88	279	16	8,607	0	-58.1	3.3	0	81	282	19
		11,143	0	-59.8	3.8	0	88	284	20	12,948	1	-58.9	4.4	1	91	281	18	15,496	4	-59.9	5.1	5	92	275	19	19,837	11	-61.8	6.1	9	94	263	24	23,041	17	-61.3	6.7	9	94	257	27
ORENBURG		1,008		-3.5	3.4					1,459	0	-5.7	5.6	0	53	284	5	2,967	0	-11.4	7.4	0	64	286	8	5,466	0	-27.1	6.9	0	64	285	11	8,947	0	-53.5	5.5	0	70	285	15
		11,499	0	-60.9	5.4	0	79	286	16	13,297	0	-59.8	6.1	0	86	283	16	15,829	2	-61.7	6.5	2	90	282	16	20,108	5	-65.2	7.2	5	94	281	18	23,257	7	-65.7	7.3	7	94	280	19
KUSTANAJ		1,000		-9.0	3.0					1,433	1	-7.8	4.7	1	60	291	6	2,927	1	-12.7	7.8	1	77	290	10	5,425	1	-26.9	6.9	1	77	289	15	8,931	1	-50.9		1	77	287	21
		11,496	2	-60.3		2	79	291	21	13,290	2	-58.6		2	88	288	19	15,825	2	-60.0		3	91	287	19	20,144	6	-63.3		6	94	285	21	23,283	9	-64.9		9	94	277	24
KARAGANDA		955		-6.7	2.4					1,457	0	-6.7	4.1	0	87	262	11	2,958	0	-12.0	6.5	0	88	270	14	5,461	0	-26.3	5.9	0	88	274	18	8,968	0	-51.0	4.6	0	82	273	24
		11,525	0	-62.4	4.3	0	88	275	26	13,302	1	-60.4	4.8	1	88	276	25	15,818	3	-61.1	5.6	3	96	277	23	20,092	7	-63.9	5.5	8	99	273	25	23,235	12	-64.6	5.9	9	97	272	30
GUREV		1,026		0.0	3.6					1,490	2	-0.5	8.7	2	35	274	3	3,017	2	-7.4	9.7	2	62	278	6	5,565	2	-22.2	10.0	2	74	276	11	9,125	2	-47.2		2	78	272	15
		11,718	3	-58.6		3	80	273	17	13,528	3	-57.9		3	92	276	19	16,071	5	-58.2		5	91	276	17	20,449	17	-59.8		9	97	286	14								
ASHABAD		985		11.3	6.9					1,520	0	6.9	8.1	0	42	239	2	3,094	0	-2.2	7.2	0	94	265	9	5,684	0	-18.6	7.4	0	91	261	15	9,290	0	-45.5	7.0	0	93	269	27
		11,880	0	-59.1	6.1	0	93	267	31	13,678	1	-59.8	6.6	1	98	266	32	16,214	5	-61.6	7.5	6	95	267	28	20,475	6	-62.4	8.1	8	95	268	20	23,659	12	-59.7	8.3	9	98	264	21
TASKENT		964		8.7	7.1					1,526	0	4.7	9.9	1	37	208	2	3,081	0	-4.8	7.7	1	91	246	10	5,633	1	-22.3	6.9	1	88	250	17	9,179	1	-49.7	5.0	1	88	264	25
		11,742	1	-61.2	4.5	1	95	270	30	13,529	1	-60.3	5.0	1	93	272	28	16,049	1	-62.1	5.6	1	96	270	25	20,336	2	-62.5	6.7	2	96	271	21	23,497	6	-60.4	7.5	6	95	270	21
ALMA-ATA		923		2.2	3.5					1,522	0	2.6	8.2	0	23	247	1	3,073	0	-5.3	9.5	0	82	248	7	5,626	0	-23.3	5.8	4	96	270	19	9,162	0	-49.7	4.4				
		11,742	6	-60.4	4.4					13,540	11	-59.9	4.8					16,069	17	-60.7	5.7																				
USSR-EASTERN																																									
OSTROV KOTELNYJ		1,019		-21.9	2.6					1,375	0	-20.5	3.9	0	47	156	4	2,805	0	-25.1	5.5	0	48	173	5	5,184	0	-38.6	5.2	0	59	191	7	8,527	0	-59.6	3.7	0	59	199	8
		11,049	0	-59.4	4.3	0	70	189	7	12,849	0	-59.5	5.0	0	87	180	8	15,381	0	-62.2	5.7	0	87	181	9	19,633	0	-67.3	5.9	0	93	191	15	22,688	2	-69.6	5.8	5	91	194	21
OSTROV CETYREHSTOLBOVOJ		1,011		-15.7	2.0					1,350	0	-16.6	3.1	0	91	89	8	2,800	0	-20.9	7.4	0	61	80	4	5,218	0	-35.4	7.0	0	11	30	1	8,596	0	-57.8	5.4	0	32	254	4
		11,122	0	-58.5	5.7	0	67	212	6	12,935	0	-57.2	6.7	0	86	205	8	15,502	0	-57.4	7.6	0	96	209	12	19,890	2	-57.7	8.8	2	94	219	22	23,133	3	-57.1	9.3	3	96	224	30
MYS SMIDTA		1,014		-11.0	1.9					1,333	0	-17.1	1.4	0	64	70	6	2,779	0	-20.6	4.9	0	59	76	6	5,206	0	-33.7	4.3	0	18	109	2	8,616	0	-56.0	3.5	0	35	206	5
		11,174	0	-56.6	4.1	0	69	213	7	13,001	0	-54.3	4.9	0	85	220	8	15,603	0	-53.8	6.1	0	91	224	13	20,058	0	-53.2	7.4	0	95	230	22	23,356	0	-52.8	8.6	1	90	234	27

UPPER AIR DATA

NOVEMBER 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
ASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
USSR-EASTERN																																									
ANADYR		1,006		-11.0	2.8					1,285	0	-14.6	3.8	1	65	78	7	2,746	0	-18.8	6.1	0	45	76	5	5,187	0	-33.4	4.9	0	26	110	3	8,605	0	-55.7	4.1	0	31	179	5
		11,179	0	-54.5	5.0	0	62	200	7	13,025	0	-52.7	6.3	0	78	210	8	15,646	0	-52.0	7.7	0	88	223	12	20,131	1	-51.6	9.7	1	90	231	19	23,461	2	-50.0	11.1	2	92	235	22
KORF		996		-7.6	4.0					1,235	0	-9.9	3.6	0	36	63	4	2,713	0	-17.2	5.0	0	35	72	4	5,159	0	-33.2	6.2	0	30	69	4	8,573	0	-55.1	4.4	0	23	125	4
		11,158	0	-52.9	5.0	0	28	194	4	13,020	0	-51.4	5.7	0	67	215	8	15,656	0	-50.8	6.6	0	79	225	11	20,193	0	-50.0	8.1	2	86	227	16	23,518	3	-48.9	9.3	3	92	226	19
PETROPAVLOVSK/KAMCATSKIJ		985		-2.6	5.9					1,239	0	-9.0	4.7	0	54	318	6	2,725	0	-16.8	6.4	0	41	290	5	5,165	0	-33.8	5.6	0	30	259	5	8,573	0	-54.5	4.6	0	42	248	9
		11,187	0	-50.4	6.7	0	84	257	15	13,066	0	-49.5	8.2	0	90	256	17	15,725	0	-49.8	9.4	0	96	256	19	20,258	0	-50.0	10.5	0	91	249	19	23,604	1	-49.9	11.7	1	90	247	17
OHOTSK		1,005		-14.5	6.5					1,289	0	-15.8	6.7	0	63	27	4	2,742	0	-21.6	6.8	0	24	37	2	5,150	0	-36.8	6.9	0	12	110	2	8,517	0	-58.0	5.4	0	18	156	3
		11,088	0	-54.9	6.9	0	47	247	5	12,935	0	-54.5	8.2	0	82	246	9	15,540	0	-54.5	9.6	0	92	243	15	19,976	0	-54.0	11.3	0	95	239	26	23,269	0	-52.0	12.8	0	97	236	35
JUZNO-SAHALINSK		1,010		-4.5	3.8					1,367	0	-11.1	5.1	0	79	288	11	2,837	0	-17.6	7.4	0	87	279	16	5,283	0	-32.6	7.7	0	87	281	22	8,720	0	-51.7	6.7	0	91	276	34
		11,343	0	-50.3	8.0	0	97	271	34	13,216	0	-51.1	9.1	1	98	269	33	15,839	1	-53.0	9.6	1	93	269	30	20,311	3	-52.3	10.6	4	96	259	22	23,625	4	-51.3	11.1	5	93	256	18
VLADIVOSTOK		1,011		-0.9	7.5					1,450	0	-6.0	8.3	0	75	293	10	2,947	0	-12.5	9.9	0	87	283	16	5,448	0	-26.3	10.0	0	92	275	26	8,981	0	-48.9	7.7	0	91	268	37
		11,602	0	-53.1	7.8	0	95	267	43	13,459	0	-52.6	8.6	0	95	268	43	16,052	0	-55.3	9.1	0	99	266	38	20,463	0	-55.4	9.6	0	93	261	25	23,755	1	-52.5	10.7	1	96	256	19
OLENEK		990		-31.5	3.1					1,310	2	-22.8	2.9	3	8	243	1	2,728	3	-26.7	3.2	3	9	191	1	5,084	3	-40.6	3.3	3	28	169	4	8,411	4	-59.0	3.1	4	40	175	6
		10,928	6	-58.5	3.8	8	51	209	7	12,718	9	-60.2	4.4	9	55	227	5	15,221	10	-63.3	5.0	9	59	241	5	19,483	18	-66.9	5.6	9	92	240	10								
VERHOJANSK		1,001		-37.9	2.0					1,316	11	-20.0	3.5	9	47	201	3	2,751	11	-24.0	5.3	9	45	198	4	5,136	11	-38.1	4.3	9	50	206	7	8,481	11	-58.6	3.2	9	51	210	8
		11,008	11	-60.4	3.3	9	73	216	8	12,800	12	-59.6	3.5	9	84	224	9	15,321	12	-61.1	3.8	9	89	226	10	19,599	13	-63.7	4.0	9	96	230	21	22,780	17	-62.2	4.6	9	97	224	31
SEJMCAN		986		-24.2	3.0					1,300	0	-19.7	3.0	0	69	17	7	2,745	0	-20.7	5.1	0	53	72	5	5,165	0	-35.6	5.8	0	48	104	7	8,542	0	-58.7	4.4	0	41	119	8
		11,083	0	-56.5	5.4	0	42	171	5	12,916	0	-55.2	6.6	0	64	202	7	15,513	0	-54.6	7.9	0	91	220	12	19,968	1	-54.2	9.5	1	93	227	21	23,276	2	-52.8	10.7	2	94	229	28
JAKUTSK		1,007		-31.0	2.4					1,326	0	-22.0	3.1	0	60	295	4	2,743	0	-24.9	4.3	0	47	301	4	5,121	0	-38.3	4.3	0	17	278	2	8,474	0	-58.5	3.8	0	17	253	3
		10,999	0	-58.4	4.8	0	50	261	5	12,803	0	-57.6	5.9	0	71	257	7	15,347	0	-58.9	7.0	0	93	247	11	19,675	0	-59.5	7.8	0	90	239	20	22,877	3	-59.1	9.1	4	94	235	28
ALDAN		934		-22.0	3.8					1,375	0	-21.6	3.5	0	72	290	7	2,800	0	-24.7	4.1	0	76	308	9	5,191	0	-37.4	4.0	0	66	298	11	8,549	0	-58.4	3.5	0	59	292	12
		11,089	0	-57.5	4.6	0	79	278	11	12,907	0	-56.7	5.7	0	91	271	12	15,480	0	-57.2	6.9	0	93	260	15	19,852	3	-57.8	8.2	3	96	250	24	23,081	8	-56.7	9.1	8	96	245	33
CITA		939		-17.5	3.1					1,426	0	-12.5	4.8	0	71	299	6	2,891	0	-18.9	6.1	1	77	314	9	5,325	0	-33.4	5.9	0	84	306	14	8,745	0	-55.1		0	76	298	20
		11,306	0	-58.2		0	91	290	24	13,123	0	-56.0		0	93	285	24	15,699	1	-56.5		1	93	279	25	20,089	3	-56.7		3	92	270	28	23,374	4	-55.3		6	99	263	33
BLAGOVESCENSK		1,002		-13.4	6.0					1,394	4	-14.9	6.5	4	78	303	8	2,850	4	-19.9	7.8	4	75	292	10	5,277	4	-34.1	5.9	4	84	288	17	8,696	4	-53.8		4	81	280	25
		11,278	5	-54.3		5	90	274	26	13,135	5	-53.1		6	97	270	27	15,745	6	-53.6		6	96	266	28	20,193	10	-53.6		9	96	259	29	23,506	13	-49.6		9	97	253	34
HABAROVSK		1,009		-10.8	5.2					1,384	5	-14.1	7.0	5	84	288	10	2,847	5	-19.5	7.5	5	84	269	13	5,283	5	-33.4	6.8	5	87	300	20	8,706	5	-51.8		5	86	293	30
		11,321	5	-51.9		5	92	284	31	13,197	5	-51.6		5	94	280	31	15,823	5	-53.0		5	98	278	31	20,319	5	-50.9		5	96	269	27	23,684	7	-49.2		7	96	265	26
HONG KONG																																									
KINGS PARK	1	1,011		20.1	5.2					1,544	0	13.7	10.6	0	72	47	4	3,161	0	6.9	13.1	0	54	278	3	5,866	0	-5.5	24.1	0	80	257	9	9,685	0	-31.0	18.4	0	95	255	14
		12,433	0	-52.2	16.3	0	95	255	15	14,233	0	-66.1	15.2	0	95	245	14	16,601	0	-79.2	15.0	0	84	224	7	20,665	0	-63.2	16.1	0	77	90	4	23,864	0	-56.3	20.0	0	80	89	6
DEM PEOPLES REP OF KOREA																																									
PYONGYANG	1	1,020		4.2	3.6					1,512	0	-0.9	10.3	0	75	290	6	3,046	0	-7.3	14.1	0	71	285	10	5,594	0	-22.4	12.4	0	75	275	15	9,153	0	-47.2	9.2	5	72	270	21
		11,796	0	-51.6	9.7					13,647	0	-54.8	10.2					16,201	3	-58.8																					
JAPAN																																									
WAKKANAI	2	1,013		2.4	6.1					1,403	0	-8.6	6.5	0	88	268	11	2,885	0	-16.4	11.5	0	92	273	16	5,347	0	-30.5	11.5	0	92	278	26	8,808	0	-51.4		0	93	274	38
		11,431	0	-51.0		0	98	270	37	13,295	0	-52.6		0	99	266	36	15,898	0	-54.6		0	99	266	34	20,345	0	-54.0		1	97	259	21	23,644	5	-52.1		5	94	258	18
SAPPORO	2	1,016		3.1	6.9					1,437	0	-6.1	7.5	0	90	281	12	2,934	0	-13.5	14.2	0	94	282	17	5,428	0	-27.2	14.4	0	93	276	29	8,925	0	-50.1		5	93	273	39
		11,553	0	-50.8		6	98	268	43	13,418	0	-52.7					5	16,013	0	-56.1						20,425	0	-53.1						23,699	1	-53.3					
NEMURO	2	1,012		3.4	5.9					1,421	0	-5.5	8.8	0	86	272	10	2,920	0	-13.0	15.0	0	92	276	16	5,413	0	-27.7	13.4	0	95	271	28	8,909	0	-49.4		0	96	270	41
		11,543	0	-51.0		0	99	267	45	13,409	0	-52.5		0	99	268	42	16,011	0	-55.0		0	99	267	35	20,427	0	-55.1		0	97	262	20	23,707	1	-53.2		2	82	262	11
AKITA	2	1,020		6.6	4.9					1,488	0	-2.1	8.1	0	87	268	10	3,010	0	-9.2	14.7	0	95	273	17	5,546	0	-23.2	14.1	0	96	274	28	9,101	0	-46.1		0	96	270	45
		11,761	0	-50.9		0	99	265	57	13,610	0	-56.2		0	99	265	55	16,156	0	-60.6		0	99	267	41	20,504	3	-57.8		3	93	259	14	23,757	4	-53.8		5	64	272	8
SENDAI	2	1,016		7.4	6.1					1,496	0	-0.1	7.1	0	87	275	10	3,034	0	-5.0	18.7	0	91	276	16	5,599	0	-21.0	15.2	0	96	273	27	9,185	0	-43.9		0	97	265	48
		11,851	0	-52.0		0	98	266	63	13,691	0	-56.9		0	99	268	56	16,226	0	-61.6		0	99	265	40	20,526	1	-59.2		2	98	263	16	23,765	2	-54.1		3	61	274	5
WAJIMA	2	1,022		8.3	3.7					1,511	0	1.1	9.4	0	62	265	5	3,052	0	-5.8	17.6	0	87	274	12	5,618	0	-20.6	16.1	0	95	273	25	9,213	0	-42.7	12.0	2	98	264	47
		11,895	0	-50.9		0	98	266	60	13,738	0	-57.5		0	99	266	55	16,260	0	-62.7		0	99	266	39	20,535	1	-59.8		2	98	264	16	23,762	2	-54.7		3	87	269	9
TATENO	2	1,017		8.1	3.8					1,513	0	3.9	9.6	1	63	255	5	3,070	0	-3.1	18.4	0	91	267	12	5,657	0	-18.4	15.4	0	97	272	27	9,295	0	-40.1		0	98	266	54
		11,993	0	-51.4		0	98	266	64	13,826	0	-59.1		0	99	266	57	16,322	0	-65.6		0	99	265	39	20,568	0	-60.8		0	97	262	12	23,791	1	-55.0		2	38	290	3
HACHIJOJIMA	2	1,001		15.7	3.4					1,526	0	7.7	7.1	0	42	302	3	3,105	0	0.6	15.4	0	8	274	11	5,731	0	-14.2	15.4	0	98	268	28	9,441	0	-35.8	12.1	0	98	263	52
		12,165	0	-51.5		0	98	267	58	13,986	0	-61.8		0	99	268	51	16,430	0	-70.8		0	99	264	35	20,593	2	-62.9		2	85	262	8	23,796	4	-56.3		6	20	298	2
YONAGO	2	1,021		11.7	4.2					1,523	0	3.6	8.0	0	56	280	4	3,079	0	-2.7	18.6	0	89	277	11	5,672	0	-17.9	16.8	0	97	270	23	9,312	0	-40.3	13.7	0	98	265	49
		12,017	0	-50.9		0	98	264	60	13,851	0	-59.5		0	99	265	55	16,339	0	-65.5		0	99	265	36	20,579	2	-60.8		2	98	262	12	23,802	3	-54.5		4	60	276	5
SHIONOMISAKI	2	1,012		15.2	4.1					1,529	0	7.2	10.1	0	47	280	4	3,105	0	0.2	15.4	0	92	271	11	5,724	0	-15.0	14.7	0	98	267	27	9,420	0	-36.2	16.4	0	98	262	55
		12,140	0	-51.8		0	98	264	63	13,961	0	-61.7		0	99	265	56	16,410	0	-69.5		0	99	263	38	20,594	0	-62.4		0	80	260	8	23,799	1	-56.0		3	18	35	2
FUKUOKA	2	1,020		14.1	4.1					1,531	0	6.2	10.8	0	32	278	2	3,103	0	-0.5	16.1	0	91	276	11	5,716	0	-15.5	17.8	0	98	271	24	9,395	0	-37.4	13.6	0	98	263	51
		12,116	0	-51.4		0	98	262	61	13,940	0	-61.4		0	99	264	55	16,398	0	-68.7		0	99	263	38	20,596	0	-61.9		0	90	255	9	23,806	2	-55.7		4	29	270	3
KAGOSHIMA	2	987		15.0	4.7					1,536	1	8.5	9.2	1	29	234	2	3,123	0	1.8	15.5	1	87	269	10	5,763	0	-12.8	18.5	0	98	268	26	9,486	0	-34.4	13.7	0	98	260	48
		12,218	0	-51.8		0	98	263	51	14,032	0	-63.1		0	99	265	46	16,465	0	-71.7		0	99	261	30	20,620	1	-63.1		1	86	258	6	23,824	2	-55.6		2	12	328	1
NAZE	2	985		18.2	2.0					1,540	0	11.5	4.8	1	28	35	2	3,142	0	4.7	13.2	0	65	253	6	5,815	0	-9.5	15.6	0	96	261	20	9,589	0	-33.0	15.0	0	97	260	33
		12,323	0	-52.3		0	97	262	35	14,130	0	-64.9		0	98	260	31	16,522	0	-76.4		0	99	258	22	20,615	1	-63.5		2	47	247	2	23,807	4	-56.6		5	45	77	3
ISHIGAKIJIMA	2	1,016		23.1	3.9					1,542	0	13.9	3.4	0	56	71	4	3,161	0	7.1	12.1	1	56	247	3	5,862	0	-6.1	18.5	0	91	252	12	9,673	0	-31.5	17.5	0	94	254	17
		12,414	0	-52.6		0	94	257	18	14,214	0	-65.8		0	93	252	16	16,587	0	-79.0		1	93	244	10	20,637	1	-64.3		2	52	101	3	23,818	2	-58.0		4	68	94	4
NAHA	2	1,014		22.4	4.3					1,542	0	13.4	5.6	0	46	74	3	3,157	0	6.9	14.1	0	71	264	5	5,853	0	-6.9	16.4	0	93	252	15	9,652	0	-31.8	15.8	0	97	258	24
		12,392	0	-52.2		0	96	259	25	14,197	0	-65.1		0	97	257	22	16,578	1	-78.2		1	98	250	14	20,645	2	-64.3		2	6	252	1	23,826	2	-57.3		3	34	90	2
MINAMIDAITOJIMA	2	1,015		22.4	3.2					1,537	0	13.3	5.2	0	43	95	3	3,155	0	7.1	15.8	0	62	258	5	5,851	0	-7.0	17.5	0	91	255	14	9,650	0	-32.2	16.1	0	96	258	22
		12,388	0	-52.5		0	95	262	23	14,191	0	-65.4		0	95	258	20	16,565	0	-78.7		0	96	250	13	20,619	4	-64.3		4	29	90	2	23,800	5	-57.2		8	56	74	4

UPPER AIR DATA

NOVEMBER 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
ASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
JAPAN																																									
CHICHIJIMA	2	1,017		22.6	4.4					1,547	0	14.0	7.7	0	6	360	1	3,164	0	6.8	15.2	0	76	265	7	5,858	0	-7.4	17.1	0	95	260	18	9,648	0	-32.3	15.8	0	96	270	26
		12,387	0	-51.9		0	97	273	27	14,196	0	-64.5		0	98	268	23	16,586	0	-77.4		0	94	260	16	20,641	1	-65.1		1	5	117	0	23,820	3	-57.4		3	44	50	3
MINAMITORISHIMA	2	1,015		25.9	3.4					1,546	0	16.4	4.9	1	57	101	4	3,180	0	9.6	20.1	0	21	288	2	5,892	0	-6.0	20.7	0	68	278	5	9,689	0	-32.6	16.3	0	84	291	10
		12,426	0	-52.3		0	93	291	11	14,230	0	-65.3		0	86	293	9	16,609	0	-78.6		0	59	298	4	20,634	0	-65.3		0	86	96	5	23,809	1	-57.6		2	34	38	2
ISRAEL																																									
BET DAGAN		1,012		22.9	10.9					1,516	0	1.0	6.6	0	51	22	3	3,099	0	0.5	1.2	0	63	25	5	5,720	0	-15.8	13.5	0	76	261	11	9,362	0	-43.4	10.1	0	78	27	43
		12,007	0	-55.4		0	89	27	61	13,827	0	-59.5		0	93	27	62	16,340	0	-64.1		0	95	27	50	20,605	4	-61.9		4	96	27	34								
JORDON																																									
MAFRAQ	3	943		14.1	7.0					1,502	0	9.4	6.7	0	56	206	3	3,079	0	-0.1	10.2	0	69	248	6	5,679	0	-15.6	13.7	0	77	257	10	9,329	0	-43.0		0	80	263	17
		11,974	0	-55.0		0	84	265	23	13,796	2	-58.0		2	91	262	24	16,308	5	-62.8		4	95	260	21																
KUWAIT																																									
KUWAIT INTL AIRPORT	3	1,011		21.0	14.0					1,540	0	13.3	1.3	0	54	225	8	3,144	0	3.6	15.2	0	95	246	22	5,787	0	-13.8	35.4	0	95	251	40	9,461	0	-41.2	61.1	0	97	255	70
		12,110	0	-57.2		0	99	258	89	13,905	0	-62.5		0	99	259	80	16,378	0	-67.8		0	98	262	55	20,557	0	-63.4		0	95	267	24	23,731	0	-57.7		0	96	266	29
SAUDI ARABIA																																									
EL-WEJH	2	1,011		27.1	11.4					1,516	0	14.5	15.0	0	17	235	1	3,126	0	4.9	23.1	0	82	250	6	5,778	0	-12.9	20.0	0	89	260	14	9,472	0	-38.9	14.2	0	92	265	30
		12,153	0	-54.9	14.9	0	96	270	34	13,958	0	-62.3	15.6	0	97	265	31	16,417	0	-69.5	15.8	0	96	265	20	20,602	1	-62.6	17.2	1	83	250	5	23,789	7	-56.6	19.9	7	87	250	5
JEDDAH (KING ABDULAZIZ) AP	2	1,009		31.4	13.4					1,515	0	17.8	7.7	0	97	170	6	3,145	0	8.3	16.5	1	89	200	8	5,833	0	-9.2	23.1	1	94	250	13	9,590	1	-35.3	18.6	1	96	260	27
		12,373	3	-54.3		3	96	270	33	14,094	3	-64.8		3	97	260	29	16,511	4	-74.6		4	96	260	17	20,636	5	-63.0		5	52	120	2	23,836	5	-54.1		5	84	115	5
GIZAN	2			23.2	6.0					1,519	0	20.4	14.3	0	91	125	2	3,163	0	10.2	20.8	0	79	115	3	5,877	0	-6.7		9	75	200	5	9,658	0	-33.7	20.4	0	88	255	14
		12,375	0	-54.5	17.3	0	95	270	20	14,162	1	-67.4	15.9	1	97	260	16	16,536	2	-77.6	15.8	2	71	245	6	20,625	2	-63.4	20.7	2	99	90	10	23,816	3	-56.0	27.0	3	99	100	13
TABOUK	2	927		22.4	19.6					1,514	0	13.7	10.8	0	50	220	3	3,115	0	3.0	18.5	0	65	250	5	5,751	0	-14.5	19.5	0	83	255	13	9,418	0	-40.4	14.2	0	84	265	26
		12,091	0	-54.3	16.1	0	93	270	33	13,905	1	-60.6	17.6	1	95	265	30	16,385	2	-66.6	18.2	2	96	265	20	20,599	3	-61.9	20.5	3	90	260	9	23,804	4	-55.8	24.2	4	99	265	11
MEDINA	2	940		27.0	16.0					1,514	0	17.9	11.0	1	73	205	7	3,139	0	5.9	12.1	0	93	225	10	5,808	0	-11.0	18.6	0	92	250	17	9,529	1	-37.6	13.0	2	90	260	30
		12,217	1	-54.7	15.6	2	94	265	36	14,028	2	-62.5	17.3	3	94	260	32	16,474	3	-71.2	17.5	3	96	265	21	20,610	3	-62.5	20.7	3	73	240	4	23,838	7	-56.5	24.5	7	64	230	3
KHAMIS MUSHAIT	2	798		22.3	15.9													3,174	0	10.6	12.3	0	63	190	3	5,880	1	-7.7	23.9	0	87	220	7	9,650	1	-34.0	18.5	0	90	255	18
		12,368	0	-54.4		0	96	265	24	14,157	0	-66.7		0	98	260	21	16,542	0	-76.4		0	94	250	9	20,648	0	-63.4		0	94	95	8	23,834	8	-56.8		0	91	265	10
RIYADH(KING KHALED INT AP)	2	964		26.2	21.8					1,535	0	16.8	14.8	1	75	180	5	3,158	0	6.4	17.8	1	85	225	6	5,836	0	-11.3	23.4	1	96	245	16	9,542	0	-38.1	22.4	0	93	260	30
		12,215	0	-56.5		0	96	260	38	14,005	0	-64.1		1	92	260	31	16,434	3	-71.3		3	97	260	20	20,569	3	-63.9		3	66	250	3	23,764	4	-57.7		4	62	220	3
QAISUMAH	2	975		23.1	13.5					1,533	0	14.3	10.9	0	67	210	5	3,143	0	4.3	12.0	0	88	240	11	5,791	0	-13.3	13.8	0	92	250	17	9,477	0	-39.7	12.7	0	94	255	30
		12,140	0	-56.3		0	95	260	37	13,942	0	-61.6		0	96	265	33	16,413	0	-67.6		0	97	265	22	20,615	0	-62.0		0	96	260	9	23,815	1	-55.9		0	97	260	11
DHAHRAN	2	1,014		28.0	13.7					1,544	0	15.8	14.0	0	50	235	3	3,163	0	6.1	20.5	0	76	240	7	5,828	0	-11.3	20.1	0	88	250	15	9,544	2	-37.9	13.6	2	91	265	30
		12,219	2	-56.0		3	89	265	34	14,019	2	-62.8		3	96	260	34	16,466	3	-70.0		3	89	270	19	20,638	3	-62.1		3	92	260	6	23,840	5	-56.2		5	88	250	6
UNITED ARAB EMIRATES																																									
ABU DHABI NEW INT AIRPORT	3			24.4	8.2					1,543	1	17.1	18.3	1	35	242	1	3,165	1	7.5	23.6	1	54	262	4	5,844	1	-9.5	27.1	0	88	260	12	9,579	1	-37.1	20.0	1	93	265	26
		12,258	1	-55.6		0	94	262	35	14,048	1	-64.6		2	96	259	33	16,464	3	-73.5		6	96	258	21	20,598	10	-63.7		17	69	277	3	23,777	11	-58.0		18	47	5	3
QATAR																																									
DOHA INTERNATIONAL AP	3	1,015		25.2	8.7					1,547	0	16.3	16.5	0	39	236	4	3,169	0	6.7	21.7	0	72	246	11	5,841	0	-10.8	22.3	0	90	254	27	9,565	0	-37.5	13.8	0	94	261	58
		12,247	0	-55.7	15.6	0	93	262	72	14,043	0	-63.7	18.9	0	95	260	66	16,477	0	-71.6	18.8	0	96	257	39	20,640	1	-62.4						23,840	4	-56.1	28.5	4	37	270	4
AFGHANISTAN																																									
KABUL-AIRPORT	3	824		8.1	10.9													3,121	1	1.7	11.7	1	49	227	2	5,736	1	-16.4	10.0	1	87	281	12	9,345	1	-44.4	7.2	1	94	279	25
		11,989	1	-57.8	6.6	1	97	276	36	13,794	2	-60.0	7.1	56	97	273	36	16,307	3	-69.2	7.4	3	99	272	29	20,546	7	-62.9	8.3	7	99	270	20	23,717	11	-57.6	9.6	11	99	265	18
PAKISTAN																																									
SARGODHA	1	993		12.1	3.2					1,526	2	12.0	8.6	5	52	313	2	3,182	2	3.6	7.4	6	81	292	5	5,819	2	-16.3	7.5	6	87	271	11	9,543	4	-43.5		8	92	274	21
QUETTA/BREWERY	1	839		6.2	4.8													3,100	2	0.4		2	74	279	6	5,721	2	-15.5		2	88	282	12	9,335	2	-44.5		2	90	274	21
		11,962	2	-58.3		2	96	273	24	13,756	6	-61.3		9	96	358	29																								
KARACHI AIRPORT	1	1,012		17.2	7.2					1,508	3	15.0	14.7	5	63	284	3	3,116	3	5.4	13.3	5	66	300	5	5,780	23	-11.7	14.1	5	73	296	9	9,511	4	-36.3		7	79	282	14
		12,212	8	-52.7																																					
INDIA																																									
SRINAGAR	1	847		2.2	1.0					1,556								3,125	3	0.4	7.1	3	25	15	1	5,746	3	-16.1		3	12	230	1	9,426	3	-39.1		3	54	280	11
		12,127	3	-53.1						13,939	8	-61.5						16,431	15	-65.5																					
NEW DELHI/SAFDARJUNG	3	982		20.4	15.0					1,507	0	13.4	17.1	0	76	308	5	3,106	0	3.4		0	88	310	7	5,756	0	-13.4		0	94	288	12	9,441	0	-40.2		0	93	276	29
		12,114	0	-55.6		0	95	268	41	13,922	0	-63.3		0	97	265	37	16,349	1	-72.9		0	98	267	29	20,447	4	-66.4		4	87	275	13	23,586	11	-59.9					
JODHPUR	3	989		22.5	21.5					1,522	0	15.3	18.9	0	67	302	1	3,125	0	4.8	17.3	0	68	310	3	5,790	0	-11.7		0	86	284	12	9,513	1	-37.2		1	92	277	29
		12,205	1	-53.9		1	97	267	39	14,017	2	-62.8		3	97	264	34	16,453	4	-71.0		5	96	264	22	20,604	5	-62.3		5	83	271	5	23,828	10	-56.6		9	15	220	1
LUCKNOW/AMAUSI	3	998		17.7	6.6					1,506	0	12.5	14.7	0	73	305	4	3,100	0	3.5		0	87	315	7	5,768	0	-12.9		0	92	340	12	9,465	0	-38.6		0	94	350	31
		12,151	0	-54.7		0	97	270	39	13,952	1	-65.5		1	97	265	34	16,342	3	-74.6		3	92	355	19																
GAUHATI	3	1,008		19.8	2.7																																				
AHMADABAD	3	1,007		23.8	11.7					1,528	0	17.3	19.2	0	33	70	1	3,147	0	6.7		0	92	331	3	5,849	0	-7.0		0	85	297	10	9,652	2	-32.0		3	95	277	25
		12,430	5	-48.9		5	91	280	30	14,267	11	-61.1																													
CALCUTTA/DUM DUM	3	1,012		21.6	5.5					1,504	0	12.8	11.4	0	80	344	4	3,115	0	6.7		0	82	278	5	5,809	0	-8.6		0	93	272	13	9,584	0	-33.3		3	98	264	26
		12,303	3	-54.7						14,096	6	-67.4						16,462	11	-76.3																					
NAGPUR/SONEGAON	3	979		21.4	12.6					1,522	0	16.0	15.5	0	71	41	4	3,137	0	6.4	7.7	0	70	346	4	5,825	0	-7.3		0	70	303	8	9,616	1	-33.0		1	93	275	21
		12,343	2	-53.7		2	96	260	25	14,146	9	-67.3		9	99	257	21																								
BHUBANESWAR	3	1,008		23.0	10.1					1,513	0	14.4	12.4	0	82	14	4	3,134	0	8.2		0	68	291	4	5,842	0	-6.0		0	88	277	9	9,664	0	-30.6		0	95	266	19
		12,425	0	-52.2		0	93	247	21	14,220	1	-66.9		3	89	253	18	16,620	5	-74.0		6	71	250	7																

UPPER AIR DATA

NOVEMBER 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	300 MB 30 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
ASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
INDIA																																									
BOMBAY/SANTACRUZ	3	1,010		26.0	12.9					1,515	0	14.9	14.5	0	76	70	4	3,140	0	8.3		0	48	74	3	5,850	0	-6.3		0	60	295	6	9,653	0	-32.2		0	78	254	15
		12,390	0	-53.6		0	87	240	17	14,188	0	-66.5		0	92	240	15	16,567	2	-77.9		2	58	66	5	20,623	8	-70.6		9	72	70	6								
HYDERABAD AIRPORT	3	955		21.9	10.0					1,539	0	16.0	12.0	0	91	56	5	3,162	0	9.0		0	44	23	2	5,871	0	-5.0		0	55	328	4	9,704	0	-29.1		0	89	257	11
		12,475	0	-50.3		0	91	230	14	14,281	0	-64.6		0	89	230	12	16,674	0	-77.1		0	44	190	3	20,805	0	-61.4		0	91	96	9								
VISHAKHAPATNAM/WALTAIR	3	1,005		25.4	8.6					1,495	0	15.7	8.6	0	62	27	4	3,124	0	8.4	2.6	0	19	294	1	5,842	0	-5.2		0	42	295	3	9,679	1	-28.9		0	8	286	1
		12,457	1	-50.2		2	90	232	16	14,272	1	-65.0		2	91	247	14	16,659	8	-77.2		9	30	228	2																
GOA/PANJIM	1	1,004		21.8	7.0					1,503	3	17.2	15.2	5	84	80	5	3,128	3	8.0		5	41	44	2	5,844	9	-5.7		9	79	38	6	9,670	12	-30.4					
MADRAS/MINAMBAKKAM	3	1,008		24.9	3.6					1,497	1	17.5	6.8	1	69	50	6	3,132	1	9.6	9.1	1	46	55	3	5,848	1	-4.3	11.8	2	58	62	4	9,698	1	-29.1		2	28	50	1
		12,463	1	-50.7		2	74	164	7	14,285	1	-65.7		2	77	158	8	16,652	1	-79.3		2	74	135	6	20,755	2	-62.7		2	99	95	13	23,934	10	-54.9		9	94	93	18
PANAMBUR	1	1,006		23.6	1.5					1,505	1	18.5	7.6	2	87	109	5	3,142	1	9.7	13.0	2	64	93	3	5,865	3	-4.0		4	80	68	6	9,721	4	-28.0		5	19	228	1
		12,514	5	-49.2		9	83	193	9	14,341	6	-63.7		9	80	191	7	16,684	7	-78.0						20,789	13	-64.8													
PORT BLAIR	3	1,001		26.4	3.3					1,503	0	17.2	5.5	0	93	87	6	3,137	0	8.6	9.0	0	88	99	5	5,850	0	-5.5	11.6	0	52	113	3	9,688	1	-29.4		1	61	116	4
		12,447	3	-52.4		3	44	120	3	14,273	7	-68.1		7	66	112	5																								
COCHIN/ERNAKULAM	1	1,010		25.4	1.8					1,505	0	17.0	3.7					3,136	0	8.8	7.5					5,849	1	-5.2						9,689	3	-29.4					
		12,456	4	-50.8						14,262	9	-63.9																													
MINICOY	1	1,010		25.2	23.4					1,493	0	17.5	11.9	0	75	80	4	3,128	0	8.0	16.9	0	69	88	3	5,838	0	-6.0		0	81	76	6	9,656	0	-32.1		1	84	108	6
		12,395	3	-54.9		4	78	130	8																																
TRIVANDRUM	3	1,002		26.1	2.8					1,484	0	18.1	5.4	0	69	42	3	3,119	0	9.4	5.3	0	65	41	3	5,836	0	-4.9	8.5	0	86	59	6	9,683	0	-29.4	8.7	0	78	94	5
		12,443	0	-51.4		0	86	112	10	14,252	0	-66.6		0	81	118	8	16,592	1	-80.5		0	81	84	8	20,660	3	-65.1		4	99	88	22	23,856	7	-54.3		7	84	89	13
MALAYSIA																																									
PENANG/BAYAN LEPAS	3	1,009		25.8	2.0					1,502	0	18.5	4.8	0	60	58	2	3,141	0	9.5	5.6	0	66	50	3	5,859	0	-5.5	6.7	0	84	85	5	9,679	0	-31.3	8.8	0	77	85	5
		12,413	0	-53.7		0	79	97	7	14,195	0	-68.5		0	89	101	11	16,523	0	-82.9		0	91	96	15	20,523	3	-68.8		3	98	90	22	23,669	14	-56.3		15	93	92	17
KOTA BHARU	3	1,009		25.3	1.5					1,503	0	17.4	2.1	0	78	62	4	3,140	0	9.3	3.7	0	75	65	3	5,859	0	-5.2	5.9	1	86	88	5	9,679	0	-31.2	6.7	1	71	87	5
		12,413	0	-54.1		1	66	97	6	14,195	4	-68.8		5	85	100	11	16,537	15	-81.9		18	93	98	16	20,564	26	-67.5		26	99	86	23	23,736	27	-56.1		27	99	95	26
KUALA LUMPUR/PETALING JAYA	3	1,005		24.7	1.2					1,503	0	16.9	2.1	0	50	23	2	3,137	0	8.1	2.6	1	41	42	1	5,847	0	-6.7	5.7	0	72	83	4	9,662	0	-31.9	9.6	0	63	85	4
		12,391	0	-55.3		0	72	99	6	14,161	0	-71.1		0	89	98	11	16,470	0	-82.3		0	90	92	16	20,505	1	-66.3		2	99	89	21	23,701	3	-52.7		8	73	94	11
KUANTAN	3	1,009		24.1	1.8					1,497	0	15.9	2.9	0	77	26	4	3,125	0	7.5	3.7	0	4	38	2	5,835	0	-6.5	7.4	0	78	86	4	9,646	0	-32.1	10.8	0	68	92	5
		12,370	0	-55.9		0	64	97	5	14,135	0	-71.6		0	84	103	9	16,434	0	-84.1		0	92	99	16	20,439	1	-67.9		2	99	91	21	23,638	3	-52.9		6	91	96	19
KOTA KINABALU	3	1,009		26.3	2.6					1,503	0	18.3	3.8	0	30	53	1	3,143	0	10.0	8.1	0	45	87	2	5,862	0	-5.3	12.6	0	64	94	4	9,668	0	-32.5	10.2	2	60	92	4
		12,395	0	-53.6		3	55	99	6	14,184	0	-67.4		7	80	96	12	16,525	0	-82.9		9	96	94	19	20,530	1	-67.3		22	99	92	24	23,703	12	-55.7					
TAWAU	1	1,009		26.2	2.3					1,515	0	18.6	4.3	0	15	77	1	3,158	0	10.3	8.8	0	38	109	2	5,883	0	-4.8	15.5	1	81	83	5	9,710	1	-30.7	16.9	1	65	83	4
		12,464	1	-51.2		1	54	79	5	14,275	1	-64.6		3	84	89	10	16,652	1	-79.7		12	96	94	14	20,714	6	-64.9		27	94	86	26	23,953	26	-51.6					
SINGAPORE																																									
SINGAPORE/CHANGI AIRPORT	1	1,008		24.5	0.9					1,503	0	17.4	2.5	0	41	10	2	3,138	0	8.6	2.3	0	47	49	2	5,850	0	-5.9	3.2	1	80	94	5	9,669	0	-31.3	8.1	0	72	88	5
		12,405	0	-54.1	8.0	0	80	92	7	14,185	0	-69.3		0	87	91	11	16,507	0	-82.7		0	88	85	14	20,520	1	-67.7		1	99	90	26	23,717	1	-52.0		2	14	86	2
CHINA																																									
HAILAR	1	944		-14.7	2.4					1,418	0	-11.7	4.3	5	78	277	7	2,890	0	-17.9	6.3	3	85	292	11	5,340	0	-32.2	6.5	1	89	293	17	8,772	0	-54.0	5.6	0	93	287	25
		11,340	0	-56.9	5.6	1	96	281	14	13,174	0	-54.5	6.0	2	97	276	28	15,763	2	-54.9	6.5	7	99	274	27	20,198	5	-55.2	7.1	9	99	262	27	23,465	12	-51.8	7.9	9	97	256	33
URUMQI	1	917		-2.8	3.4					1,522	1	-2.4	5.3	2	37	86	2	3,058	1	-6.7	9.9	1	72	319	5	5,604	1	-23.6	9.3	1	96	294	18	9,136	1	-50.5	6.8	1	88	297	23
		11,692	1	-62.2	7.4	1	96	286	30	13,486	1	-59.1	7.9	1	98	285	30	16,024	2	-60.2	8.0	2	99	281	29	20,338	6	-60.2		6	99	277	28	23,540	10	-57.5		9	98	277	27
BEIJING	1	1,019		2.1	7.7					1,521	0	-0.3	13.1	0	74	297	7	3,056	0	-7.1	14.8	0	89	285	10	5,601	0	-23.3	13.0	0	95	281	19	9,151	0	-48.7	9.7	0	96	273	34
		11,760	0	-54.2	10.1	0	98	267	44	13,601	0	-55.9	10.6	0	99	268	46	16,158	0	-59.6	9.5	0	99	267	36	20,488	1	-58.3	8.3	2	99	263	24	23,726	2	-53.8	5.8	2	98	255	18
LANZHOU	1	853		-1.0	5.3													3,096	0	-3.2	8.8	0	50	244	3	5,693	1	-17.9	10.2	0	92	279	12	9,295	0	-46.7	7.6	0	93	273	26
		11,920	0	-54.5	6.9	0	98	264	43	13,750	0	-58.2	7.1	1	98	263	45									20,547	6	-61.0		9		259	17	23,763	9	-54.8		9	92	265	11
SHANGHAI	1	1,024		12.6	2.5					1,549	0	6.3	6.5	0	33	293	2	3,130	0	1.5	10.8	0	78	273	7	5,770	0	-13.3	13.2	0	95	263	20	9,494	0	-34.7	11.7	0	98	258	47
		12,238	0	-49.9	10.6	0	98	260	51	14,072	0	-57.7	10.0	0	98	260	48	16,532	0	-67.3	1.0	5	89	252	53	20,686	3	-60.1	1.3	1	88	40	18	23,878	4	-56.6		1	57	346	20
LHASA	1	655		-4.7	8.9																					5,760	0	-13.2	12.9	0		257	7	9,439	0	-39.0	13.0	0	85	267	34
		12,145	0	-51.3	12.3	2	98	264	45	13,984	1	-69.7	11.1	4		264	41	16,467	2	-68.3		9		277	27	20,628	3	-63.0		9	64	294	7	23,821	4	-57.0		9	73	279	8
TAIBEI	2	1,017		21.0	2.4					1,540	2	12.8	3.1	3	77	86	13	3,156	2	6.6	3.5	2	69	226	11	5,852	0	-6.7	15.3	2	94	255	29	9,652	2	-32.1	12.5	2	97	255	46
		12,385	2	-53.3		2	96	259	45	14,179	2	-66.7		2	97	254	41	16,546	2	-78.5		2	95	247	24	20,629	2	-62.5		3	51	103	5	23,827	5	-56.3		6	63	89	9
KUNMING	1	815		7.9	1.9													3,141	0	4.3	5.6	0	85	262	8	5,822	0	-8.2	17.3	0		258	16	9,614	0	-32.0	14.3	0		259	31
		12,353	0	-51.2	11.8	5	97	261	33	14,153	0	-63.7		0	97	255	29	16,585	4	-75.9		5	95	254	18	20,654	5	-65.1		6	50	258	2	23,833	6	-57.5		8	43	94	3
GUANGZHOU	1	1,019		17.3	4.6					1,544	0	12.5	7.2	0	40	79	2	3,157	0	5.9	10.6	0	63	270	5	5,859	0	-5.9	16.8	0	85	258	11	9,675	0	-31.5	14.3	0		254	19
		12,422	0	-51.9	11.8	0		254	19	14,231	1	-65.0		1	94	249	17	16,618	1	-78.2		1	91	241	10	20,646	1	-66.0		1	60	92	3	23,815	1	-57.6		5	86	87	6
AUSTRALASIA																																									
NEW ZEALAND																																									
AUCKLAND AERODROME	1	1,019		18.7	4.3					1,526	0	7.7	3.8	3	62	290	12	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
		12,054	0	-54.9	9.4	1	88	273	42	13,876	0	-57.2	9.5	1	91	257	39	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	1	1,009		17.9	8.1					1,461	0	7.2	8.8	2	74	283	11	3,031	0	-1.8	9.6	2	79	258	20	5,634	0	-17.5	12.0	2	85	266	30	9,253	0	-44.9	10.2	1	80	274	40
		11,879	0	-50.5	9.7	2	80	270	33	13,723	0	-53.7	11.9					16,299	0	-56.2						20,733	1	-52.9						24,050	3	-50.5					
INVERCARGILL AERODROME	1	1,012		13.4	5.2					1,441	3	3.8	5.2	4	85	283	24	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
		11,811	4	-53.4		4	87	271	45	13,670	4	-53.0		4	91	271	41	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

UPPER AIR DATA

NOVEMBER 1984

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	850 MB 150 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
AUSTRALASIA		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH PACIFIC																	
MIDWAY ISLAND	1	1,018		25.3	6.0					1,554	0	14.3	8.1	1	44	178	3
		12,348	0	-54.2		1	74	295	16	14,152	0	-64.0		1	73	304	13
LIHUE, KAUAI, HAWAII	1	1,013		26.6	5.8					1,552	0	14.2	2.3	0	89	68	7
		12,351	0	-53.8		0	43	293	6	14,155	0	-63.8		0	33	328	4
HILO/GEN. LYMAN, HAWAII	1	1,016		25.8	5.7					1,547	0	13.9	2.1	0	66	111	3
		12,347	0	-54.6		0	63	277	10	14,143	0	-65.2		0	45	306	6
WAKE ISLAND	1	1,014		29.3	7.2					1,546	0	17.5	6.3	0	93	95	7
		12,455	1	-53.1		1	21	358	2	14,255	1	-65.6		1	45	16	4
GUAM, TAGUAC, MARIANA IS.	1	999		27.3	2.7					1,521	0	18.7	4.6	0	90	91	9
		12,464	0	-53.0		0	29	97	3	14,260	0	-66.9		0	69	78	6
YAP, CAROLINE ISLANDS	1	1,008		28.3	3.1					1,506	0	18.4	3.9	2	44	88	4
		12,456	0	-53.1		2	57	80	6	14,249	0	-67.3		1	75	73	9
TRUK, CAROLINE ISLANDS	1	1,010		28.9	4.3					1,510	0	18.3	2.6	0	56	95	4
		12,471	0	-52.8		0	58	100	5	14,265	0	-67.5		0	57	69	5
KOROR, PALAU ISLANDS	1	1,007		28.8	3.8					1,509	0	18.4	3.4	1	12	282	1
		12,467	1	-52.6		1	67	92	9	14,265	1	-66.6		1	70	62	9
MAJURO, MARSHALL ISLANDS	1	1,010		28.6	4.3					1,514	0	18.1	2.7	0	67	111	5
		12,469	0	-53.0		0	43	250	3	14,262	0	-67.7		0	48	278	4
PONAPE, CAROLINE ISLANDS	1	1,004		28.8	4.3					1,499	0	18.4	3.1	0	78	99	4
		12,462	1	-52.7		1	37	108	3	14,255	1	-67.6		1	43	71	3
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				
		12,421	1	-55.2						14,194	1	-70.0					
ATUONA, MARQUESAS ISLAND	1	1,005		29.4	8.4					1,505	0	15.2	2.9	0	93	80	6
		12,390	0	-54.0		0	73	259	12	14,177	0	-67.3		0	81	260	14
PAGO PAGO, SAMOA	1	1,011		28.9	4.6					1,514	10	16.9	1.5	10	84	87	5
		12,432	10	-53.6		10	84	229	15	14,224	10	-67.2		10	88	231	13
HAO, TUAMOTU IS.	1	1,013		27.9	5.3					1,523	0	15.9	3.3	0	76	30	5
		12,380	0	-55.1		0	75	248	11	14,164	0	-66.6		1	81	249	22
TAHITI, SOCIETY IS.	1	1,012		28.3	5.5					1,515	0	16.3	3.0	0	70	52	4
		12,422	0	-53.6		1	76	257	14	14,215	0	-65.8		1	83	251	17
NANDI, FIJI IS.	1	1,010		30.3	9.0					1,520	0	17.1	3.9				
		12,410	0	-54.9	9.8					14,194	0	-67.9					
NOUMEA/NOUVELLE-CALEDONIE		1,006		25.4	5.0					1,516	0	14.6	3.5	0	81	74	6
		12,386	2	-51.9		4	94	281	28	14,194	2	-64.7		4	93	274	22
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					
RAPA, AUSTRAL IS.	1	1,017		21.0	3.9					1,521	50	11.8	3.4	0	36	43	3
		12,296	2	-55.7		5	81	274	23	14,092	2	-62.3		7	84	270	22
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					
OCEAN SHIPS																	
SHIP L	1	1,001		7.9	5.3					1,329	12	-2.8	4.9	11	69	128	1
		11,481	12	-50.5		11	55	266	7	13,357	12	-50.9		11	69	278	7
SHIP R		1,004		12.4	4.0					1,367	1	2.1	5.4	0	63	268	10
		11,679	1	-54.4		4	79	276	25	13,531	1	-55.8		5	86	273	22

STATION	700 MB 100 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	500 MB 50 MB HEIGHT	TEMPERATURE NUMBER OF MISSING DAYS	TEMPERATURE MEAN	DEW POINT DEPRESSION	MEAN VECTOR WIND NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	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
NORTH PACIFIC																								
MIDWAY ISLAND	3,177	0	8.3	16.7	0	38	230	3	5,875	0	-8.3	16.5	0	60	265	6	9,639	0	-35.2	11.7	1	72	294	11
	16,571	0	-73.5		1	60	294	7	20,671	1	-65.7		2	43	76	2	23,839	1	-57.5		3	5	319	**
LIHUE, KAUAI, HAWAII	3,176	0	7.7	13.9	0	79	88	5	5,869	0	-8.5	14.3	0	35	127	3	9,640	0	-35.0	12.1	0	38	287	5
	16,572	1	-73.9		1	41	29	3	20,689	1	-62.5		1	73	69	4	23,887	3	-56.7		3	81	100	4
HILO/GEN. LYMAN, HAWAII	3,170	0	8.3	13.9	0	63	102	3	5,866	0	-8.4	14.0	0	30	128	2	9,638	0	-34.8	12.2	0	65	265	8
	16,550	0	-74.1		0	33	28	2	20,663	0	-62.9		0	87	81	5	23,857	0	-57.1		0	85	99	6
WAKE ISLAND	3,185	0	10.1	11.5	0	86	87	5	5,906	0	-5.3	16.1	0	52	72	4	9,721	0	-32.0	13.5	0	13	12	1
	16,646	1	-76.6		1	81	61	8	20,719	1	-63.0		1	98	84	8	23,919	7	-56.1		7	90	97	6
GUAM, TAGUAC, MARIANA IS.	3,166	0	10.4	8.8	0	90	92	9	5,892	0	-5.3	12.0	0	86	87	9	9,718	0	-30.8	12.0	0	65	80	5
	16,621	0	-80.2		0	97	82	15	20,664	1	-64.4		1	99	92	17	23,862	3	-56.2		3	99	92	17
YAP, CAROLINE ISLANDS	3,151	0	10.5	8.6	2	63	90	6	5,877	0	-5.0	9.9	1	77	89	7	9,709	0	-30.7	11.2	2	73	91	8
	16,599	0	-82.0		1	95	85	13	20,620	2	-65.6		2	99	88	22	23,820	2	-54.4		2	98	89	18
TRUK, CAROLINE ISLANDS	3,155	0	10.2	6.4	0	56	91	4	5,881	0	-4.9	9.1	0	75	93	6	9,718	0	-30.0	11.9	0	61	92	5
	16,615	0	-80.9		0	96	79	12	20,658	0	-65.9		0	99	92	24	23,871	1	-52.2		1	95	87	13
KOROR, PALAU ISLANDS	3,155	0	10.6	8.4	0	33	86	2	5,882	0	-5.0	10.7	0	64	90	5	9,717	1	-30.4	11.1	1	71	103	6
	16,622	1	-80.8		1	96	85	14	20,663	1	-65.6		1	100	90	24	23,880	1	-52.3		1	94	90	14
MAJURO, MARSHALL ISLANDS	3,158	0	10.1	5.1	0	68	91	5	5,882	0	-5.2	7.2	0	75	80	5	9,719	0	-30.1	10.6	0	16	81	1
	16,613	0	-80.8		0	70	69	5	20,651	0	-65.6		0	98	95	22	23,858	2	-52.7		2	93	96	14
PONAPE, CAROLINE ISLANDS	3,144	0	10.0	5.8	0	80	88	5	5,868	0	-4.8	9.6	0	86	95	7	9,708	1	-30.0	11.5	1	54	102	4
	16,607	1	-80.7		1	87	73	8	20,647	1	-65.4		1	99	94	24	23,854	2	-52.1		2	91	92	13
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					5,866	0	-5.4	8.7					9,692	1	-31.2	10.5				
	16,519	4	-82.1						20,577	8	-64.2						23,792	10	-53.4					
ATUONA, MARQUESAS ISLAND	3,132	0	9.5	16.3	0	48	71	3	5,851	0	-4.8	20.8	0	28	112	2	9,663	0	-32.3	16.6	0	50	229	6
	16,546	0	-78.0		0	80	259	9	20,608	4	-65.0		6	99	86	18	23,792	12	-55.4		14	98	85	21
PAGO PAGO, SAMOA	3,153	10	10.0	10.1	10	26	340	1	5,873	10	-5.4	14.5	10	46	238	2	9,694	10	-31.7	13.2	10	73	235	10
	16,594	10	-78.0		10	74	216	4	20,699	10	-62.6		11	99	86	16	23,907	13	-54.6		13	99	86	18
HAO, TUAMOTU IS.	3,151	0	8.0	5.9	0	44	41	3	5,861	0	-5.7	14.4	0	35	318	2	9,662	0	-32.8	11.1	0	72	266	8
	16,567	2	-74.1		2	82	253	7	20,707	12	-63.5		16	96	95	10	23,905	24	-56.9		26	90	71	9
TAHITI, SOCIETY IS.	3,146	0	8.9	6.3	0	40	30	3	5,865	0	-5.1	9.9	0	57	271	5	9,686	0	-31.5	7.7	0	75	266	10
	16,611	0	-74.7		1	68	261	7	20,742	3	-62.1		6	98	86	11	23,954	6	-55.5		7	98	84	14
NANDI, FIJI IS.	3,155	0	9.0	8.3					5,871	0	-5.7	10.8					9,685	0	-32.3	10.4				
	16,551	0	-79.6						20,651	1	-61.9						23,869	3	-55.4					
NOUMEA/NOUVELLE-CALEDONIE	3,141	0	7.8	9.0	0	33	9	2	5,847	1	-6.1	14.0	1	79	286	7	9,642	2	-32.2	11.0	2	88	284	22
	16,587	2	-76.0		4	84	267	10	20,677	4	-64.3		8	95	87	9	23,872	8	-56.2		11	94	84	9
RAROTONGA, COOK IS.	3,141	0	7.1	8.2					5,836	0		4.7					9,607	0	-35.3	11.2				
	16,473	2	-74.8						20,628	5	-62.9						23,826	6	-55.8					
RAPA, AUSTRAL IS.	3,136	0	6.1	10.1	0	51	317	5	5,824	0	-8.2	11.5	1	69	307	9	9,592	1	-34.9	7.6	2	80	289	18
	16,557	6	-67.2		11	73	266	8	20,794	11	-59.9		16	90	89	6	23,997	18	-54.9		22	99	75	12
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					
	16,130	3	-49.0						20,748	5	-47.1						24,135	7	-45.4					
OCEAN SHIPS																								
SHIP L	2,844	11	-11.2	15.2	11	19	209	3	5,342	12	-28.2	19.1	11	32	241	4	8,840	12	-48.2		11	47	280	8
	15,974	12	-55.0		11	70	277	7	20,353	14	-59.4		11	86	289	7	23,523	14	-62.4		11	84	290	9
SHIP R	2,912	1	-5.8	10.7	0	70	269	13	5,471	1	-21.5	11.1	0	70	264	17	9,041	1	-45.4		1	67	273	23
	16,078	1	-58.9		7	93	267	16	20,398	5	-61.6		9	95	267	13	23,588	1	-60.4		9	86	297	11

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
MARCH 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
AUSTRALASIA																																									
NEW ZEALAND																																									
AUCKLAND AERODROME		1,016		20.5	3.4					1,519	0	9.5	3.3	2	48	7	9	3,110	0	2.2	11.8	1	60	331	12	5,751	0	-13.6	12.7	0	87	307	26	9,444	0	-39.6	11.0	0	87	304	44
		12,115	0	-54.7	11.3	1	91	293	49	13,934	0	-60.1	11.1	1	90	290	47	16,430	0	-65.2		3	92	294	27	20,704	1	-59.3		5	42	52	3	23,952	2	-52.4		8	53	96	5
CHRISTCHURCH AERODROME		1,011		17.8	5.1					1,485	0	8.8	6.2	4	43	336	4	3,067		-0.2	8.1	3	44	343	4	5,683	0	-16.2	10.1	3	47	329	7	9,315	1	-43.6	10.7	3	50	307	12
		12,251	1	-54.5	10.8	4	69	299	17	13,794	2	-57.3	10.9	6	81	296	17	16,300	1	-60.1		5	84	291	10	20,675	1	-57.4		6	23	268	1	23,933	3	-52.2		9	52	106	3
NORTH PACIFIC																																									
TARAWA, GILBERT ISLANDS		1,008		29.8	4.8					1,487		17.5	8.6	10	94	66	17	3,126		10.3	3.6	6	78	99	10	5,849		-4.7	20.1	6	91	95	15	9,684		-30.8	16.7	6	90	88	15
		12,427		-53.7	13.1	5	83	115	22	14,212		-68.3	10.8	7	84	98	19	16,542		-84.2						20,550		-68.8						23,669		-58.6					
SOUTH PACIFIC																																									
FUNAFUTI, ELLICE IS.		1,009		29.0	4.2					1,506		17.9	2.9	3	46	352	6	3,148		9.7	5.5	4	23	5	2	5,871	0	-5.2	5.3	8	73	93	8	9,712	1	-29.9	9.4	8	73	101	11
		12,462	2	-53.6						14,250	4	-68.3	10.8					16,577	8	-83.4						20,578		-68.6						23,705		-59.7					
NANDI, FIJI IS.		1,007		30.5	7.0					1,506		18.5	3.0	0	41	36	4	3,151		10.7	7.5	0	25	340	3	5,882		-4.6	6.1	0	15	47	2	9,719		-30.4	9.1	0	39	301	7
		12,468		-53.5	8.7	0	55	278	9	14,255		-68.7		0	38	273	7	16,587		-83.4		1	22	111	3	20,593		-66.6		2	97	91	25	23,773		-55.7		4	99	87	41
RAROTONGA, COOK IS.		1,009		27.5	3.8					1,500		16.8	4.1	1	14	4	2	3,139		10.4	11.1	1	44	309	7	5,861	1	-5.3	11.4	1	38	264	6	9,677		-33.2	11.3	1	42	265	10
		12,413		-54.4		4	46	253	15	14,198	1	-68.2		4	43	229	15	16,552	1	-79.8		5	61	194	11	20,620	2	-64.0		6	96	87	22	23,837	3	-53.0		7	99	91	37
RAOUL IS.,KERMADEC IS.														1	53	81	9					2	9	358	1					2	72	290	14					7	80	273	30
						8	84	272	48																																
CHATHAM ISLAND		1,015		17.3	3.6					1,472	4	6.3	4.2					3,106	4	6.1	11.7					5,518	4	-15.3	12.9					9,376	6	-43.0					
		12,010	6	-57.6						13,822	6	-59.6						16,358	6	-61.9						20,654	7	-58.3						23,902		-53.0					
CAMPBELL ISLAND		1,014		10.5	3.4					1,457		4.0	7.7	1	52	290	10	3,021		-1.5	10.4	1	55	286	11	5,622		-17.3	4.1	1	59	286	18	9,255		-44.4		2	56	295	26
		11,882	1	-56.6		3	59	289	23	13,710	1	-56.1		3	73	284	21	16,283	1	-53.3		3	79	282	16	20,704	1	-52.4		3	79	267	8	24,010	6	-51.4		9	50	198	3
APRIL 1984																																									
NORTH AMERICA																																									
ADJACENT ISLANDS																																									
KINGSTON/NORMAN MANLEY, JAM.	2	1,013		25.5	5.5					1,519	0	15.5	4.9	2	95	109	6	3,148	0	8.6	16.3	1	32	55	1	5,860	0	-6.3	18.6	1	67	292	5	9,651	0	-33.4	13.8	1	80	287	14
		12,367	0	-55.2		1	80	284	18	14,146	0	-68.7		1	87	274	18	16,508	0	-78.3		0	81	281	10	20,544	0	-64.3		0	43	97	2	23,756	0	-54.4		1	99	84	11
AUSTRALASIA																																									
NEW ZEALAND																																									
AUCKLAND AERODROME		1,017		17.2	3.4					1,509		7.0	0.4	3	46	240	7	3,085		-0.2	11.5	2	43	245	8	5,695		-17.3	11.5	1	56	243	15	9,321		-44.4	11.1	1	56	256	24
		11,949		-56.5	11.1	1	79	259	37	13,769		-58.3	11.1	1	87	266	36	16,298		-61.3		1	92	268	30	20,631		-57.2		10	77	279	8	23,911		-51.4		10	76	294	8
CHRISTCHURCH AERODROME		1,010		15.4	5.3					1,456		6.6	8.9	2	54	280	7	3,024		-2.2	10.3	0	67	263	13	5,616		-19.3	9.7	2	69	258	19	9,201		-46.4	9.6	1	66	265	27
		11,808		-58.1	9.0	0	66	265	28	13,622		-57.7	10.0	0	82	270	30	16,170		-58.1		1	89	271	22	20,554		-55.9		6	85	282	11	23,850		-52.0		7	72	277	7
INVERCARGILL AERODROME		1,012		12.4	3.9					1,442		3.1	7.6					2,997		-4.2	9.3					5,579		-20.1	12.5					9,160		-47.0					
		11,730		-59.0						13,580		-58.0						16,130		-58.0						20,530		-56.0						23,810		-40.4					
NORTH PACIFIC																																									
TARAWA, GILBERT ISLANDS		1,008		29.2	3.5					1,488		17.7	7.3	7	97	85	23	3,129		10.8	9.6	6	97	88	17	5,850		-5.3	15.4	1	58	133	6	9,992		-31.7	16.7	0	52	145	10
		12,407		-53.4	13.2	2	59	153	16	14,198		-67.8	11.5	2	52	236	9	16,378		-81.0		3	61	257	10	20,590		-66.6		7	85	264	13	23,763		-54.4					
SOUTH FACIFIC																																									
FUNAFUTI, ELLICE IS.		1,010		29.2	4.8					1,514		18.4	2.9	0	85	72	11	3,158		9.9	5.9	0	82	76	10	5,878		-5.7	8.0	1	82	89	12	9,706		-31.3	13.2	1	90	113	19
		12,439		-54.7		1	82	130	21	14,421		-68.8		2	85	136	23	16,564		-81.0		4	49	143	6	20,603		-65.6		6	83	93	12	23,779		-55.1		8	100	90	52
NANDI, FIJI IS.		1,010		29.6	6.1					1,522		18.1	3.2	1	54	52	5	3,165		10.0	6.5	1	48	326	5	5,889		-5.6	8.3	1	71	295	9	9,709		-31.8	8.9	1	81	269	18
		12,440		-54.6	9.3	1	76	263	23	14,221		-69.9		1	74	252	24	16,554		-82.1		1	79	259	15	20,612		-63.3		2	87	88	15	23,836		-53.2		3	92	85	30
RAROTONGA, COOK IS.		1,012		27.8	4.2					1,523		17.2	4.1	0	57	325	7	3,163		9.6	9.9	0	69	310	10	5,876		-7.6	10.7	1	83	285	15	9,685		-32.7	13.2	0	93	276	24
		12,407		-55.4		0	90	260	33	14,182		-69.4		1	82	262	30	16,538		-77.4		2	91	276	19	20,643		-61.2		7	95	85	12	23,894		-51.5		8	96	84	21
RAOUL IS.,KERMADEC IS.														2	24	221	3					6	76	263	13					7	91	271	37					9	95	271	69
CHATHAM ISLAND		1,009		14.7	3.2					1,471		4.7	5.7					3,034		-2.5	12.2					5,626		-18.9	11.5					9,227		-46.5					
		11,830		-58.7						13,641		-58.3						16,188		-58.8						20,564		-56.8						23,828		-52.8					
CAMPBELL ISLAND		1,000		8.0	2.6					1,327		-1.4	2.2	0	86	282	34	2,851		-9.3	6.9	1	85	276	32	5,386		-23.9	6.8	1	82	273	45	8,985		-48.2		4	85	262	59
		11,564		-55.4		5	90	264	51	13,417		-54.1		6	93	268	42	16,012		-54.3		6	93	273	34	20,462		-53.3		7	97	277	26	23,736		-52.6		9	97	280	23
JUNE 1984																																									
ASIA																																									
ISRAEL																																									
BET DAGAN		1,007		27.8	8.7					1,498	0	18.1	18.2	0	56	317	3	3,136	0	10.4	20.4	0	70	272	6	5,853	0	-5.9	17.9	0	90	265	10	9,668	0	-30.5	13.4	0	91	252	17
		12,448	0	-48.3			87	245	21	14,298	0	-60.1		0	87	239	21	16,753	0	-71.6		0	81	222	14	20,928	1	-59.4		1	80	131	8								

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
SEPTEMBER 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
NORTH AMERICA																																									
ADJACENT ISLANDS																																									
NASSAU INTL.AP BAHAMAS	2	1,014		24.0	1.1					1,538	0	16.6	4.0	0	52	118	3	3,168	0	8.0	9.3	1	43	161	3	5,872	1	-7.8	10.2	2	37	188	3	9,658	2	-34.0	9.6	2	42	290	4
		12,366	2	-55.9		2	48	298	5	14,144	2	-67.5		2	48	310	4	16,547	2	-71.4		2	76	59	4	20,750	2	-60.6		2	99	88	13	23,982	2	-54.0		3	99	93	16
GRANTLEY ADAMS AP.BARBADOS	2	1,009		27.1	3.7					1,537	0	17.0	3.7	4	92	106	7	3,173	0	9.0	9.9	4	89	107	6	5,880	0	-6.6	14.5	4	82	79	5	9,679	0	-33.0	12.7	4	31	110	2
		12,395	0	-55.8		4	20	283	2	14,168	0	-69.3		4	62	292	5	16,538	0	-74.7		4	58	51	3	20,687	0	-62.8		4	100	89	23	23,890	0	-54.8		4	100	89	29
SOUTH AMERICA																																									
CHILE																																									
PUERTO MONTT /EL TEPUAL	2	1,006		7.6	1.8					1,457	0	2.4	4.5	1	85	326	9	3,006	0	-5.6	11.3	0	86	306	11	5,563	0	-22.6	10.2	1	74	293	13	9,120	1	-48.5		2	69	273	17
		11,719	1	-56.1		2	79	265	19	13,550	1	-55.6		3	92	267	21	16,124	2	-57.6		4	97	264	20	20,490	2	-57.5		4	96	265	19	23,728	4	-56.3		6	92	264	21
AFRICA																																									
MADAGASCAR																																									
ANTANANARIVO/IVATO	3	878		18.2	8.4					1,550	0	15.8	7.4	0	59	80	6	3,309	0	5.6	8.8	1	44	220	6	5,841	0	-9.2	22.0	4	73	240	17	9,581	0	-35.9	17.6	4	83	270	36
		12,292	0	-52.3		7	96	270	50	14,084	0	-64.6		9	94	280	40	16,503	0	-73.2																					
OCTOBER 1984																																									
NORTH AMERICA																																									
UNITED STATES-SOUTHEAST																																									
WAYCROSS	2	1,015		17.3	0.9					1,562	1	13.6	7.8	2	26	69	2	3,175	1	6.1	14.1	1	29	292	2	5,853	1	-10.2	14.9	1	74	278	6	9,588	1	-37.2	11.8	2	78	286	11
		12,268	1	-56.5		1	79	286	14	14,055	1	-64.6		1	91	276	14	16,489	1	-70.0		1	89	273	9	20,686	1	-61.3		1	53	332	2	23,907	1	-54.7		2	29	18	1
MEXICO-NORTHERN																																									
ISLA GUADALUPE, B.C.	2	1,014		18.3	3.0					1,515	1	13.0	18.0					3,135	1	8.1	21.0					5,831	2	-8.6	18.2					9,572	3	-38.1	12.1				
		12,252	5	-56.1						14,044	5	-64.4						16,474	7	-70.1						20,685	13	-60.7						23,907	13	-55.6					
EMPALME	2	1,011		19.1	3.3					1,500	0	13.8	8.6	0	82	188	4	3,116	0	6.5	18.1	0	90	240	8	5,797	0	-9.9	16.8	0	89	261	14	9,523	0	-38.3	11.2	0	89	261	21
		12,204	0	-55.9		0	93	256	26	13,994	1	-64.8		1	96	256	24	16,431	1	-69.8		1	91	262	15	20,649	1	-60.5		1	25	183	1	23,866	1	-55.9		1	61	91	3
MAZATLAN CARRASCO	2	1,011		23.2	2.2					1,511	5	18.1	9.0	5	6	121	**	3,149	4	8.9	12.4	4	75	232	4	5,852	4	-7.5	16.1	4	88	235	7	9,629	4	-34.5	11.4	5	94	246	17
		12,335	5	-55.8		5	93	245	23	14,114	5	-67.6		5	94	243	20	16,506	5	-73.9		6	90	240	11	20,659	5	-62.8		5	93	83	6	23,855	7	-56.6		7	94	80	8
MONTERREY AEROP. INTL	2	962		20.1	1.3					1,516	0	16.6	3.8	0	68	153	4	3,156	0	9.7	11.8	0	67	236	4	5,858	0	-7.5	13.7	0	87	230	8	9,629	1	-35.1	11.3	2	93	244	18
		12,326	6	-56.0		7	90	243	25	14,106	7	-66.5		9	94	244	23	16,510	7	-73.1		8	91	237	13	20,684	11	-61.7		12	56	100	2	23,891	11	-56.2		13	96	67	5
CHIHUAHUA UNIV. DE	2	858		11.0	4.0					1,502	0	13.4	8.1	2	55	234	2	3,124	0	6.8	10.3	1	81	236	8	5,806	0	-9.6	15.7	0	91	249	14	9,539	0	-37.9	11.3	2	94	254	22
		12,220	0	-56.1		4	96	255	27	14,012	1	-64.3		5	97	255	25	16,450	1	-69.4		5	96	259	15	20,676	7	-60.4		8	43	231	2	23,897	9	-55.3		9	55	106	2
GUADALAJARA	2	847		13.3	0.4					14,166	10	-68.5		10	95	250	13	3,161	9	9.6	5.2	9	62	229	2	5,873	9	-6.2	12.3	9	63	230	4	9,672	9	-33.3	11.9	9	96	250	11
		12,389	9	-55.4		9	93	251	15									16,542	10	-75.2		10	92	253	7	20,681	15	-62.3		15	94	90	9	23,885	16	-56.4		17	97	81	10
MEXICO-SOUTHERN																																									
MANZANILLO	2	1,011		25.3	1.8					1,515	0	19.0	7.5	1	29	321	1	3,158	0	9.1	8.5	1	37	173	1	5,865	0	-6.8	13.9	0	54	198	3	9,658	0	-33.4	13.4	0	78	236	8
		12,370	0	-56.1		0	81	239	11	14,142	0	-69.0		0	89	242	11	16,516	0	-76.0		0	72	241	4	20,635	4	-62.9		5	88	96	9	23,827	6	-56.7		7	78	92	10
VERACRUZ, YLANG YLANG	2	1,011		23.1	1.0					1,526	0	17.4	3.9	0	47	92	2	3,164	0	9.9	13.1	0	63	57	3	5,882	0	-5.7	17.3	0	67	90	3	9,687	0	-32.7	13.3	0	38	226	2
		12,408	0	-55.1		0	65	239	7	14,186	0	-69.1		0	75	227	8	16,549	1	-77.1		1	34	256	2	20,651	4	-63.8		4	98	63	11	23,846	5	-55.7		5	98	61	13
SOCORRO IS	2	1,007		23.9	3.2					1,501	1	17.0	7.6	1	26	196	1	3,139	0	9.2	12.8	0	50	193	3	5,846	0	-6.6	16.3	0	54	230	3	9,635	0	-33.6	14.1	0	79	255	10
		12,347	1	-55.6		1	95	260	16	14,125	1	-67.9		1	91	257	14	16,516	1	-74.7		1	82	256	6	20,658	3	-62.6		3	89	110	11	23,854	6	-56.2		6	96	107	15
MEXICO CITY INT.AP, D.F.	2	782		12.0	3.9													3,163	0	9.1	3.3	3	14	359	**	5,877	0	-6.0	13.8	0	62	163	3	9,682	0	-32.8	10.4	0	68	241	4
		12,404	0	-55.0		0	80	248	9	14,183	0	-68.7		0	84	246	9	16,555	1	-76.2		1	56	253	3	20,676	4	-63.3		4	98	90	10	23,878	7	-56.3		8	98	84	11
GUATEMALA																																									
GUATEMALA/LA AURORA AP	2	853		15.6	0.9					1,523	1	15.2	1.7	3	97	9	4	3,153	1	8.3	7.8	3	86	70	4	5,859	1	-6.2	16.3	5	91	68	7	9,661	1	-33.0	13.6	5	71	43	5
		12,381	3	-55.2		5	14	334	1	14,161	4	-68.3		6	35	284	2	16,524	4	-78.1		6	46	54	3	20,634	4	-63.1		6	99	85	16	23,839	4	-55.6		6	100	89	20
BELIZE																																									
BELIZE INTL. AIRPORT	2	1,013		24.0	1.0					1,525	1	16.4	3.2	4	86	103	6	3,157	1	8.8	10.0	3	89	93	4	5,871	1	-5.8	15.7	2	92	69	7	9,679	4	-32.6	14.7	4	67	22	5
		12,405	7	-54.4		7	68	323	6	14,190	7	-67.5		7	63	321	5	16,564	8	-76.7		8	40	41	4	20,690	12	-62.6		13	98	99	12	23,902	13	-55.3		14	99	99	16
ADJACENT ISLANDS																																									
ST GEORGE,BERMUDA	2	1,014		21.4	5.8					1,528	17	11.0	5.3	17	17	311	2	3,133	17	5.0	15.1	17	35	282	3	5,803	17	-11.2	13.7	17	53	284	5	9,525	18	-37.2	9.5	18	82	262	14
		12,200	18	-58.1		18	79	273	14	13,963	20	-64.9		20	86	274	14	16,423	22	-67.5						20,664	25	-60.4													
NASSAU INTL.AP BAHAMAS	2	1,016		23.2	2.1					1,547	0	15.0	4.1	2	61	77	4	3,171	0	8.3	16.5	1	45	51	3	5,869	0	-8.4	16.8	0	46	358	4	9,623	0	-36.2	12.5	0	58	326	6
		12,315	0	-55.5		0	58	320	9	14,105	0	-65.3		0	68	317	8	16,519	0	-72.8		0	57	345	4	20,691	1	-61.0		2	77	88	4	23,911	4	-55.2		4	94	86	7
GUANTANAMO ORIENTE	2	1,011		24.9	4.8					1,536	8	15.6	5.5	8	76	75	4	3,161	8	7.6	13.2	8	63	79	3	5,854	8	-8.2	14.5	8	11	315	1	9,625	8	-35.1	12.1	9	55	252	5
		12,306	14	-56.3		17	69	227	11	14,076	17	-68.0		18	73	233	10	16,452	18	-76.6		20	46	247	3	20,561	21	-64.4						23,732	25	-57.5					
GRANTLEY ADAMS AP,BARBADOS	2	1,008		26.5	3.3					1,533	0	16.9	2.4	0	94	93	8	3,169	0	8.7	8.5	0	92	100	6	5,876	0	-6.6	11.2	0	42	76	1	9,682	0	-32.4	12.2	0	64	282	7
		12,408	0	-54.6		0	82	277	14	14,193	0	-67.6		0	92	270	18	16,555	0	-77.8		0	88	291	8	20,674	0	-63.2		0	99	90	19	23,883	0	-55.6		0	100	92	24
PIARCO INT. AP, TRINIDAD	2	1,011		24.9	1.0					1,524	0	18.1	3.5	0	95	98	7	3,165	0	9.1	7.1	0	91	101	5	5,880	0	-6.1	8.4	0	71	91	3	9,695	0	-31.7	12.8	1	54	291	4
		12,425	1	-54.2		1	82	272	10	14,213	2	-67.8		2	88	268	13	16,566	2	-79.7		2	72	300	5	20,665	4	-62.7		4		91	21	23,872	5	-56.7		5	99	92	26

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																																									
COLOMBIA																																									
BOGOTA/EL DORADO	2	753		10.9	1.5													3,152	4	8.3	2.1	4	81	70	2	5,861	4	-6.4	5.2	4	68	82	3	9,674	4	-31.8	11.0	5	7	12	**
		12,401	4	-54.9		4	24	141	2	14,182	4	-68.4		6	44	187	5	16,523	6	-81.2		8	74	90	4	20,588	7	-65.2		8	99	70	24	23,771	8	-55.3		8	100	72	27
PERU																																									
LIMA-CALLAO/INTL AP/	1	1,012		18.5	3.4					1,496	5	16.9	9.9	5	70	309	2	3,134	5	9.9	11.6	5	52	136	2	5,851	5	-5.9	9.5	5	4	100	**	9,658	5	-32.5	12.1	5	56	317	5
		12,383	5	-55.1		5	75	328	10	14,165	5	-68.0		6	71	308	9	16,520	9	-80.5		12	54	33	4	20,567	13	-65.8		13	89	81	14	23,727	15	-57.5		18	99	81	19
CHILE																																									
ANTOFAGASTA/CERRO MORENO	2	1,003		15.3	4.1					1,501	0	16.4	23.3	1	95	35	4	3,141	0	10.3	22.5	0	27	326	2	5,848	0	-8.0	16.5	0	72	282	8	9,619	0	-34.8	11.9	0	91	293	24
		12,329	0	-55.0		3	97	291	32	14,124	1	-65.1		7	96	289	21	16,537	2	-74.2		9	88	284	9	20,674	4	-61.8		8	49	116	2	23,896	7	-54.9		8	18	110	1
QUINTERO	2	1,018		11.8	1.4					1,521	0	11.8	18.4	0	32	195	1	3,121	0	3.2	21.1	0	88	321	7	5,758	0	-14.7	16.0	0	91	292	19	9,425	0	-41.4	11.1	5	96	283	34
		12,080	0	-55.5		13	98	281	38	13,893	0	-59.8		15	97	283	35	16,401	0	-64.5		18	99	283	22	20,628	1	-60.2		16	33	236	3	23,853	3	-56.0		17	29	292	3
PUERTO MONTT /EL TEPUAL	2	1,006		7.5	1.5					1,452	0	0.9	3.1	3	87	293	11	2,991	0	-6.4	9.2	2	91	278	14	5,544	0	-22.5	8.7	0	89	270	22	9,105	0	-47.1		4	90	265	32
		11,727	0	-54.2		7	92	259	31	13,573	0	-55.0		8	95	262	28	16,133	0	-59.6		8	97	262	28	20,471	2	-59.1		10	93	259	24	23,680	6	-57.5		13	93	254	21
PUNTA ARENAS/CARLOS IBANEZ	2	995		4.8	3.7					1,305	0	-2.3	4.4	0	71	264	9	2,823	0	-11.2	9.3	2	77	261	10	5,321	0	-28.8	9.6	1	74	262	12	8,774	0	-54.7		4	70	274	13
		11,333	0	-57.9		6	89	270	17	13,147	0	-58.3		7	92	272	23	15,680	0	-61.4		7	93	270	30	19,981	3	-62.3		10	93	266	37	23,145	4	-60.6		13	89	262	38
EUROPE																																									
ICELAND																																									
KEFLAVIK	2	994		4.5	2.4					1,296	0	-3.4	2.5	0	62	135	6	2,808	0	-12.0	7.0	0	61	156	5	5,298	0	-29.3	7.3	0	57	160	6	8,756	0	-52.1		0	48	190	8
		11,395	0	-49.1		0	77	217	9	13,274	1	-50.1		1	75	220	8	15,914	1	-51.5		1	82	228	9	20,376	1	-55.5		1	86	240	11	23,630	5	-57.1		6	94	253	13
GERMAN DEMOCRATIC REP																																									
GREIFSWALD	1	1,013		10.0	1.6					1,450	0	3.7	4.3	0	78	261	10	3,008	0	-3.7	8.1	0	77	266	13	5,590	0	-19.5	7.4	0	70	269	16	9,190	0	-45.5	5.7	0	63	271	20
		11,799	1	-57.3	6.0	0	67	273	21	13,621	1	-57.0	6.8	0	69	272	16	16,182	2	-57.1	7.4	0	75	269	11	20,559	3	-58.0		0	79	273	7	23,785	6	-56.5		0	79	274	7
LINDENBERG	1	1,003		9.5	1.8					1,476	0	4.7	4.6	0	80	263	10	3,038	0	-3.1	6.8	0	79	268	12	5,630	0	-18.2	7.8	0	72	269	15	9,238	0	-45.6	5.5	0	64	269	19
		11,852	1	-59.2	5.4	0	67	273	19	13,654	3	-59.3	6.1	0	71	270	15	16,194	3	-58.9	6.9	0	78	269	11	20,551	4	-58.6		1	78	272	6	23,771	9	-56.9		2	70	276	5
MEININGEN	1	965		8.1	1.5					1,491	0	5.2	3.6	0	74	251	8	3,058	0	-2.2	5.8	0	77	260	10	5,654	0	-17.9	7.4	0	75	267	13	9,267	0	-45.8	5.6	0	59	272	15
		11,874	2	-59.7	5.4	0	57	280	14	13,665	3	-59.8	6.0	0	66	274	12	16,193	6	-59.8	6.6	0	68	264	8	20,534	9	-58.2		0	73	268	6	23,770	13	-56.7		0	77	272	6
POLAND																																									
LEBA	3	1,013		11.4	3.1					1,444	1	3.4	3.9	1	78	260	11	3,001	1	-4.1	8.8	1	74	265	13	5,582	1	-19.2	9.2	1	69	270	16	9,185	1	-45.7		1	63	275	21
		11,803	1	-57.5		1	66	275	21	13,623	3	-57.0		3	70	275	16	16,191	11	-57.2		11	76	270	11	20,583	12	-57.6		13	86	270	7	23,818	16	-56.5		16	84	275	8
POZNAN-LAWICA	3	1,006		11.4	4.1					1,487	1	4.1	4.5	1	80	260	10	3,048	1	-3.6	8.2	1	73	270	12	5,635	1	-18.8	8.8	1	67	275	15	9,245	1	-45.5		1	62	275	20
		11,857	1	-58.2		1	66	280	20	13,669	3	-58.2		3	69	280	15	16,227	4	-58.3		4	75	275	11	20,599	7	-57.6		7	80	275	7	23,841	14	-55.5		14	80	285	7
LEGIONOWO	3	1,006		11.3	3.6					1,486	0	4.2	4.1	0	73	260	9	3,045	0	-3.5	8.7	0	72	265	11	5,630	0	-18.7	9.4	0	66	270	14	9,236	0	-45.9		0	59	280	19
		11,844	0	-58.6		0	66	280	19	13,653	0	-58.2		0	71	280	15	16,207	3	-58.3		3	79	275	11	20,575	5	-57.8		5	82	280	7	23,812	8	-56.6		8	78	285	7
WROCLAW I-MALY GADOW	1	1,003		10.3	2.4					1,491	0	5.1	3.8	0	75	270	10	3,055	0	-2.4	6.5	0	70	270	11	5,660	0	-16.9	8.1	0	68	270	16	9,288	0	-44.2		11	60	280	18
		11,909	0	-56.7						13,729	15	-57.2																													
YUGOSLAVIA																																									
ZAGREB/MAKSIMIR	1	1,006		10.2	1.3					1,527	0	7.0	5.4	0	51	248	4	3,103	0	-0.3	10.9	0	58	241	6	5,717	0	-16.4	13.7	0	57	242	8	9,351	0	-44.1		0	39	247	8
		11,963	0	-59.4		0	37	271	8	13,757	0	-60.7		0	56	264	9	16,280	0	-60.6		0	76	267	8	20,619	3	-58.8		4	91	267	7	23,838	9	-56.8					
BEOGRAD/ZELENO BRDO	3	993		15.1	6.7					1,546	0	8.8	8.8	0	54	262	4	3,129	0	0.8	11.9	0	67	266	8	5,755	0	-15.3	12.7	0	57	270	9	9,401	0	-43.7		0	47	277	10
		12,013	0	-59.9		0	51	278	11	13,806	0	-60.3		0	66	280	11	16,332	0	-60.0		0	76	277	9	20,692	6	-57.6		7	90	288	8	23,909	15	-56.3					
AFRICA																																									
MADAGASCAR																																									
ANTANANARIVO/IVATO	3	879		19.1	7.5					1,551	0	16.2	6.8	0	78	90	8	3,170	0	6.6	7.5	2	26	150	3	5,855	1	-7.1	19.1	9	42	270	7	9,623	1	-34.7	16.7				
		12,336	1	-53.8						14,186	1	-64.0						16,556	2	-74.9																					
OCEAN ISLANDS																																									
DIEGO GARCIA/MAURITIUS	1	1,011		25.4	1.8					1,506	10	15.5	2.0	10	59	153	3	3,136	10	8.7	11.4	11	23	156	1	5,842	10	-6.5	11.1	10	66	138	4	9,644	10	-33.0	10.9	10	83	98	6
		12,361	11	-55.6		11	85	87	10	14,135	11	-69.1		13	90	86	15	16,495	22	-78.9						20,512	26	-69.4													
ASIA																																									
SYRIAN ARAB REPUBLIC																																									
DAMASCUS/NEW INTL AP	2	946		25.5	21.3					1,527	1	16.5	17.0	1	45	220	2	3,137	1	4.5	16.0	1	85	245	7	5,788	1	-14.1	16.6	2	73	251	8	9,460	1	-41.3	13.6	1	76	261	15
		12,113	2	-57.9		2	89	262	21	13,933	4	-55.6		4	94	263	23	16,442	8	-63.9		8	85	275	16	20,694	8	-60.7		8	73	277	3	23,914	9	-54.5		9	78	252	4
ALEPPO	2	967		26.6	24.4					1,540	0	15.6	18.0	0	26	281	1	3,149	0	4.0	15.4	0	34	268	2	5,788	0	-14.7	15.9	0	66	271	6	9,432	0	-43.2	13.1	0	68	267	11
		12,064	0	-57.3	11.8	0	94	270	16	13,872	1	-60.8		0	94	267	18	16,372	1	-63.0		2	95	269	16	20,631	3	-61.4		3	93	273	8	23,825	6	-55.8		7	87	261	7
AUSTRALASIA																																									
NEW ZEALAND																																									
AUCKLAND AERODROME	1	1,018		14.8	8.3					1,520	0	3.7	4.4	7	76	247	15	2,964	0	-2.5	1.8	8	75	241	21	5,656	0	-18.9	0.6	3	74	248	25	9,258	0	-46.0	0.1	4	73	249	38
		11,898	0	-52.1	5.3	4	87	256	49	13,758	0	-53.9		3	91	258	42	16,343	1	-56.5		5	89	252	23	20,783	5	-52.6		7	89	104	14	24,098	6	-50.0		7	99	90	29
CHRISTCHURCH AERODROME	1	1,008		15.8	9.0					1,437	0	4.4	8.5	0	70	274	13	2,992	0	-4.2	10.7	1	79	252	21	5,560	0	-21.5	9.3	1	76	252	28	9,130	0	-46.7	9.6	1	74	255	44
		11,765	0	-50.4	11.4	2	83	254	12	13,646	0	-51.1	20.0	48	5	258	33	16,287	0	-51.0		10	88	242	16	20,808	0	-49.3						24,171	0	-47.5					

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	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
OCTOBER 1984		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
AUSTRALASIA																																											
NEW ZEALAND																																											
INVERCARGILL AERODROME	1	1,010		12.3	5.9					1,413	0	1.5	4.0	7	79	283	17	2,954	0	-6.7	8.5					5,504	0	-23.0	8.5					9,054	0	-48.2					
		11,694	0	-48.9														16,329	0	-48.9						20,803	7	-48.0						24,181	9	-46.8					
NORTH PACIFIC																																											
MIDWAY ISLAND	1	1,016		26.9	10.5					1,537	0	13.7	8.0	1	27	339	2	3,156	0	7.7	17.3	0	47	314	4	5,852	0	-7.4	16.3	0	60	301	8	9,623	0	-35.4	11.5	0	59	316	11
		12,327	0	-54.2		0	55	332	13	14,128	0	-64.1		0	60	329	12	16,556	0	-71.4		1	55	330	8	20,744	1	-60.7		1	36	123	2	23,967	2	-54.8		3	87	101	4
MAJURO, MARSHALL ISLANDS	1	1,011		28.8	4.5					1,517	0	18.5	4.5	0	70	115	4	3,162	0	10.2	6.6	0	75	98	5	5,889	0	-4.8	6.3	0	75	93	5	9,730	0	-29.8	10.3	0	49	73	3
		12,484	0	-52.8		0	24	321	2	14,280	0	-67.1		0	25	260	2	16,635	0	-79.9		0	49	64	4	20,705	0	-64.3		0	100	89	24	23,908	4	-53.5		4	99	93	28
TARAWA, GILBERT ISLANDS	1	1,010		30.6	6.7					1,508	0	18.2	9.7	2	64	101	7	3,148	0	10.3	6.9	3	79	94	12	5,877	0	-5.2	13.7	3	90	95	12	9,696	0	-31.3	14.1	8	42	69	5
		12,433	0	-54.1	11.4	9	40	70	9	14,215	0	-69.0	49.6	7	16	166	2	16,547	0	-82.7		10	19	101	3	20,593	0	-65.7						23,882	1	-51.6					
SOUTH PACIFIC																																											
FUNAFUTI, ELLICE IS.	1	1,010		29.7	4.4					1,512		18.0	2.9	1	88	78	12	3,155	0	10.2	7.6	0	83	84	9	5,076	0	-5.6	9.8	0	46	82	5	9,700	0	-31.6	13.6	2	27	140	5
		12,438	1	-54.1		4	42	191	8	14,216	1	-69.5		1	40	206	9	16,549	3	-82.3		4	29	255	4	20,615	5	-61.2		10	100	87	42	23,833	5	-53.4					
NANDI, FIJI IS.	1	1,011		29.0	9.5					1,528	0	15.7	4.2	0	26	75	2	3,157	0	8.8	7.4	0	76	285	12	5,869	0	-6.3	14.8	0	87	278	19	9,674	0	-32.1	13.0	0	94	275	41
		12,406	0	-53.8	11.2	0	95	266	46	14,195	0	-67.7		1	95	261	43	16,561	0	-77.7		3	91	256	21	20,717	0	-60.7		4	96	90	18	23,950	0	-54.3		6	98	79	25
RAROTONGA, COOK IS.	1	1,012		23.0	4.4					1,512	0	14.4	4.2					3,138	0	7.7	10.5					5,833	0	-8.0	10.7					9,610	0	-34.8	10.6				
		12,316	0	-56.0						14,096	0	-67.4						16,491	0	-72.8						20,692	0	-60.5						23,937	4	-53.9					
RAOUL IS., KERMADEC IS.	1													1	48	216	8					1	62	247	12					4	82	253	28					11	93	257	66
CHATHAM ISLAND	1	1,003		11.3	3.0					1,406	0	1.6	4.6					2,951	0	-5.8	8.9					5,506	0	-22.7	11.8					9,062	0	-47.2					
		11,706	0	-49.3						13,598	0	-48.9						16,254	0	-50.1						20,792	1	-49.1						24,160	2	-47.6					
CAMPBELL ISLAND	1	998		6.7	3.6					1,318		-2.3	2.5	0	83	280	28	2,841		-9.7	7.1	0	84	276	25	5,357		-26.5	7.5	0	84	273	36	8,870	2	-47.8		2	89	274	46
		11,531	3	-48.9		3	93	274	46	13,419	3	-46.9		3	93	275	42	16,112	3	-46.0		3	94	276	37	19,969	5	-43.5		5	91	281	26	24,154	9	-44.3		9	74	286	17

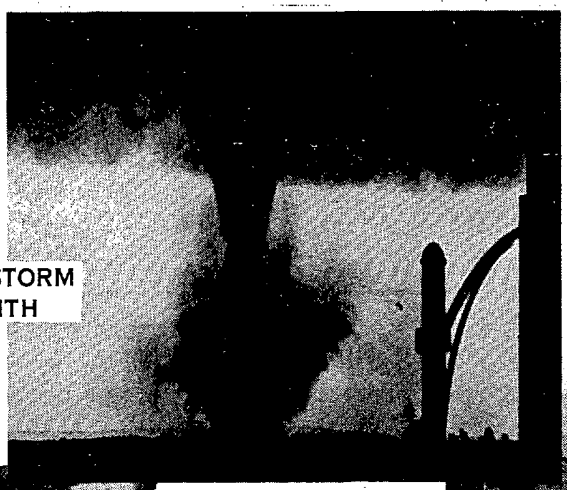
UPPER AIR DATA CORRECTIONS

STATION	TIME OF OBSERVATIONS	SURFACE* 200 MB								850 MB 150 MB								700 MB 100 MB								500 MB 50 MB								300 MB 30 MB							
			TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND					TEMPERATURE			MEAN VECTOR WIND			
		HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED	HEIGHT	NUMBER OF MISSING DAYS	MEAN	DEW POINT DEPRESSION	NUMBER OF MISSING DAYS	STEADINESS FACTOR	DIRECTION	SPEED
		GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS	GPM		°C	°C		%	°	MPS
AUGUST 1984																																									
AFRICA																																									
ZIMBABWE																																									
BULAWAYO/GOETZ OBS																					17.8																				

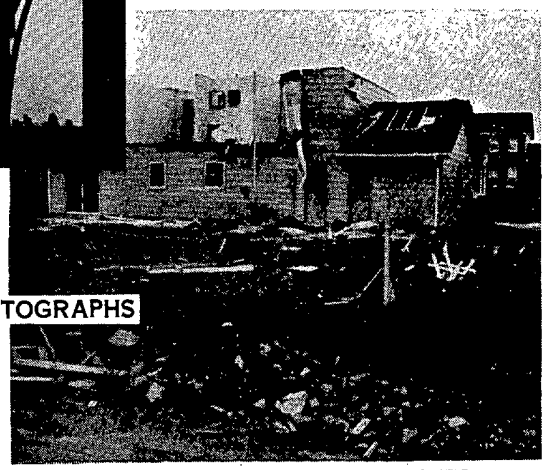
USCOMM-NOAA-ASHEVILLE,N.C. 1984-1150

STORM DATA

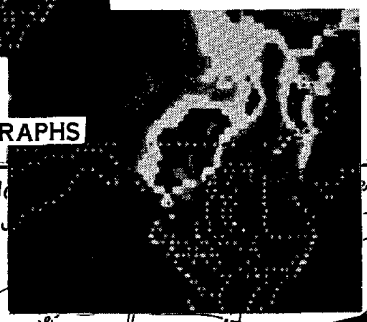
A MONTHLY PUBLICATION FROM THE NATIONS CLIMATE EXPERTS



OUTSTANDING STORM OF THE MONTH



DESCRIPTIVE PHOTOGRAPHS

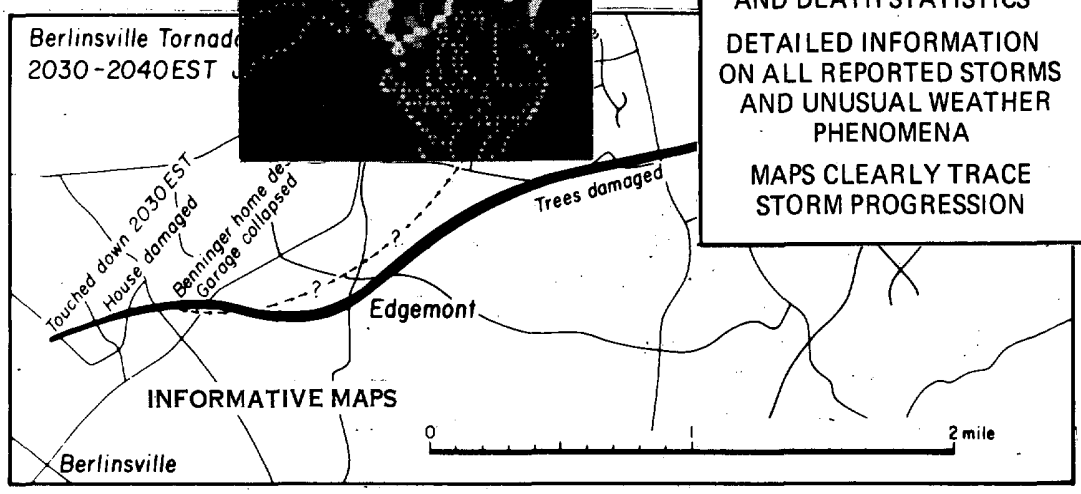


SATELLITE PHOTOGRAPHS

STATE BY STATE SUMMARY OF DAMAGE, INJURY AND DEATH STATISTICS

DETAILED INFORMATION ON ALL REPORTED STORMS AND UNUSUAL WEATHER PHENOMENA

MAPS CLEARLY TRACE STORM PROGRESSION



INFORMATIVE MAPS

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE / NATIONAL CLIMATIC DATA CENTER ASHEVILLE, N.C.

CHECK THE EXTENT OF STORM DETAILS OFFERED IN STATE-BY-STATE TABLES. . .

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1984

PLACE	DATE	TIME – LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS: KILLED	NO. OF PERSONS: INJURED	ESTIMATED† DAMAGE: PROPERTY	ESTIMATED† DAMAGE: CROPS	CHARACTER OF STORM
NEBRASKA									
Cherry County	4	1400-1530CST		0	0	4	5		Hail and Damaging Winds
One and a half inch hail covered the ground a 20 mile swath through the Sparks area damaging hay and some corn crops. High winds with thunderstorm downed trees and damaged a building 3 1/2 miles northeast of Valentine.									
Cherry County	4	[illegible]							

PLACE	DATE	TIME – LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS: KILLED	NO. OF PERSONS: INJURED	ESTIMATED† DAMAGE: PROPERTY	ESTIMATED† DAMAGE: CROPS	CHARACTER OF STORM
NEBRASKA									
Lincoln County	6	0400CST			0	0	?		
From 8 miles northwest of [illegible] County [illegible]									

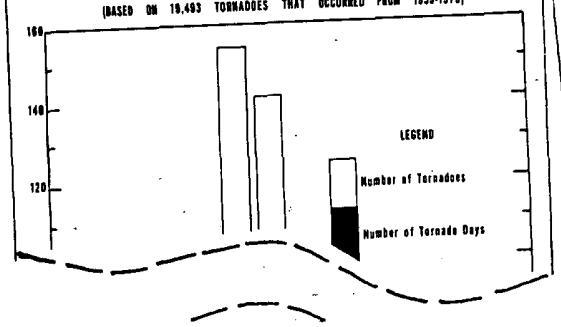
STORM SUMMARY

AUGUST 1984

STATE	TORNADOES: NUMBER	TORNADOES: DAYS	TORNADOES: DEATHS	TORNADOES: INJURIES	TORNADOES: †DAMAGE	HAILSTORMS: DEATHS	HAILSTORMS: INJURIES	HAILSTORMS: †DAMAGE: PROPERTY	HAILSTORMS: †DAMAGE: CROPS	WINDSTORMS: DEATHS	WINDSTORMS: INJURIES	WINDSTORMS: †DAMAGE: PROPERTY	WINDSTORMS: †DAMAGE: CROPS	LIGHTNING: DEATHS	LIGHTNING: INJURIES	LIGHTNING: †DAMAGE: PROPERTY	LIGHTNING: †DAMAGE: CROPS	⊕HEAVY SNOWSTORMS AND BLIZZARDS: DEATHS	⊕HEAVY SNOWSTORMS AND BLIZZARDS: INJURIES	⊕HEAVY SNOWSTORMS AND BLIZZARDS: †DAMAGE: PROPERTY	⊕HEAVY SNOWSTORMS AND BLIZZARDS: †DAMAGE: CROPS	# ICE STORMS: DEATHS	# ICE STORMS: INJURIES	# ICE STORMS: †DAMAGE: PROPERTY	# ICE STORMS: †DAMAGE: CROPS	♦ ALL OTHER: DEATHS	♦ ALL OTHER: INJURIES	♦ ALL OTHER: †DAMAGE: PROPERTY	♦ ALL OTHER: †DAMAGE: CROPS
					1			1	2		2	5		1		5										?	5	5	?

AVERAGE NUMBER OF TORNADOES AND TORNADO DAYS EACH MONTH IN THE UNITED STATES

(BASED ON 19,493 TORNADOES THAT OCCURRED FROM 1953-1978)



NUMBER OF TORNADOES, TORNADO DAYS, AND DEATHS BY STATES, 1953-79

STATE	TORNADOES: TOTAL	TORNADOES: AVERAGE	TORNADOES: GREATEST	TORNADOES: YEAR	TORNADOES: LEAST	TORNADOES: YEAR	TORNADOES: Per @ 10,000 Sq.Mi.	DAYS: TOTAL	DAYS: AVERAGE	DEATHS: TOTAL	DEATHS: AVERAGE	DEATHS: Per @ 10,000 Sq.Mi.
Alabama	536	20	45	1973+	5	1956	3.85	291	11	202	7	39
Alaska	1	0	1	1959	0	1979+	.00	1	0	0	0	0
Arizona	99	4	17	1972	0	1965+	.32	82	3	3	0	0
Arkansas	549	20	50	1973	2	1969	3.83	278	10	121	4	23
California	88	3	13	1978	0	1968+	.21	64	2	0	0	0
Colorado	435	16	42	1976	1	1959	1.55	284	11	2	0	0
Connecticut	41	2	8	1973	0	1978+	3.03	37	1	4	0	8
Delaware	26	1	5	1975	0	1978+	4.68	24	1	0	0	0
District of Columbia	0	0	0	-	0	1978+	.00	0	0	0	0	0
Florida	1095	41	97	1975	10	1956	6.93	697	26	51	2	9
Georgia	562	21	46	1971+	7	1960	3.54	326	12	72	3	12
Hawaii	16	1	4	1971	0	1978+	.92	13	0	0	0	0
Idaho	36	1	5	1967	0	1977	.16	28	1	0	0	0
Illinois	736	27	107	1974	4	1953	4.83	342	13	129	5	23
Indiana	603	22	48	1973	6	1972+	6.15	290	11	200	7	55
Iowa	726	27	54	1964	7	1956+	4.78	339	13	54	2	10
Kansas	1194	44	97	1955	14	1976	5.38	555	21	162	6	20
Kentucky	214	8	34	1974	0	1953	1.96	121	4	99	4	25
Louisiana	530	20	55	1974	3	1955	4.05	334	12	86	3	18
Maine	70	3	11	1971	0	1979+	.78	62	2	1	0	0
Maryland												
Massachusetts	75	3	10	1975	0	[illegible]						
Michigan	107	[illegible]										

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

National Climatic Data Center
July 1984

DEPARTMENT OF COMMERCE
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