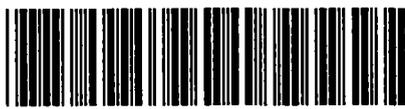


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CANADIAN METEOROLOGICAL SERVICE

Climatic Data for the day of the Eclipse
July 10, 1972

by F.D. Manning

A total eclipse of the sun, of particular interest to the people of Canada, will occur on July 10, 1972. On that day, persons living along a diagonal path across the country extending from the Mackenzie River delta to Nova Scotia will observe the moon slowly blocking the solar beam until a short period of mid-day darkness occurs. The moon, being a relatively small celestial body, will bring about a total obscuration of the sun along a narrow 100 mile wide strip called the "path of totality."

The map on page 11 (Fig. 1) which was prepared by the Astrophysics Branch, National Research Council, Ottawa, shows this path of totality together with the times of occurrence and the locations of long-term meteorological observing stations. The values shown above the path lines on the figure indicate the duration of totality for segments of the path. These times are given in seconds at numerous points at intervals of 5 minutes Universal Time (Greenwich Mean Time - GMT). The central line shows the centre path of the eclipse while the outer lines indicate the geographical limits of the total phase. Anyone within the boundaries shown on this figure should be able to see the corona if the sky is not obscured by clouds.

Table 1, prepared by the United States Naval Observatory, Washington, D.C., contains data for 30 points along the eclipse path between Alaska and the Atlantic Ocean. The table shows, for 5 minute intervals, the latitude and longitude of the central spot at that moment on the central line, the duration of totality, the width of the path from which the eclipse appears total and the altitude of the sun at mid-eclipse.

The path of the total eclipse first enters Canada near Tuktoyaktuk, N.W.T. at 12:09 MST (19:09 GMT). At this point, the path of totality is about 108 miles wide and the length or duration of totality is 2 minutes 23 seconds. The width of the path gradually increases southeastward until it reaches its maximum duration of totality at approximately 20 miles southeast of Baker Lake, N.W.T., latitude $63^{\circ} 55'N$, longitude $95^{\circ} 42'W$ where the length of totality is 2 minutes 36 seconds with the path being 111 miles wide and the sun's angle 46° . As the eclipse travels southeastward, the length of totality gradually decreases until at Sable Island, N.S., its duration is about 2 minutes and one second.

Table 2 shows the meteorological stations for which climatic conditions have been studied along with their latitudes, longitudes, elevations and eclipse times in both Local Standard Time (LST) and Greenwich Mean Time (GMT). Climatic records for each location have been studied in order to aid astronomers by determining the probability of favourable viewing weather.

Table 3 shows general monthly values of climatic conditions for July at 17 locations from Tuktoyaktuk, N.W.T. southeastward to Sable Island, N.S.

The hourly data which appear in Table 4 for Mont Joli, Sept-Iles, Chatham, Summerside and Charlottetown are based on a ten year period from 1957 to 1966. Eleven days of data have been used from each year - the 5 days before and 5 days following the date of the eclipse as well as the actual date, that is, the period from July 5 to 15 inclusive. By using this eleven day period, it was possible to secure a larger sample than would have been the case if attention had been confined only to the eclipse date, July 10, 1972. With the same end in view, the hour of the eclipse and the hours preceding and following the event were examined. Definitions of codes A to T are shown at the end of this table.

Table 5, showing the percentage frequency of specified conditions from 8 a.m. to 8 p.m. inclusive Local Standard Time was prepared using the data which appears in Table 4. The total number of cases for each of the conditions A to T from 8 a.m. to 8 p.m. inclusive are expressed as a percentage. For example, at Mont Joli condition B occurred 21% of the time, that is there were 301 cases out of a possible 1430 when the cloud amount was in the 0-2 tenths range. Similarly, percentages are shown for the other conditions. The definitions of codes used are listed at the bottom of Table 4.

The likelihood of clouds obscuring the observers vision is of great interest. The most unfortunate situation would be the occurrence of a rainy day. It appears from the records that from Tuktoyaktuk, N.W.T. southeastward to Chesterfield, N.W.T. there are on the average 9 days in July with measurable rain (a day on which 1/100th of an inch or more of rain has fallen). Continuing southeastward, the number increases to 18 around Nitchequon, Quebec. On the north shore of the St. Lawrence River from Sept-Iles, Quebec, southeastward to Copper Lake, N.S., the number of rainy days decreases to 11 or 12. At Sable Island, N.S., which is situated approximately 190 miles off the east coast of Nova Scotia, there are on the average 9 days with rain in July.

In the far northwest there is a remote possibility of snow occurring in July.

Even if there should be no rain, heavy clouds could completely obscure the eclipse. Across the northern section of Canada from Cape Parry, N.W.T. to Chesterfield, N.W.T., the likelihood of light scattered cloud conditions, that is, a 0-2 tenths coverage of the sky, occurs approximately 20% of the time in the month of July as a whole. For this same area, scattered to broken cloud conditions (3-7 tenths) occurs 26% of the time and broken to overcast, (8-10 tenths), 54% of the time. In the St. Lawrence River area around Sept-Iles and Mont Joli, there is a 25% chance of either scattered or broken cloud conditions prevailing and a 50% chance of broken to overcast conditions. On Prince Edward Island, both Charlottetown and Summerside experience scattered cloud conditions in the neighbourhood of 27 to 28% of the time with broken conditions prevailing 25% and broken to overcast 47 to 48% of the time. At the mouth of the Miramachi River at Chatham, N.B., the chance of mainly cloudy skies increases, for the scattered condition prevails only 19% of the time compared with broken cloud cover averages of 30% and broken to overcast conditions of 51%. Sable Island, N.S. has the highest percentage of cloudiness - only 19% scattered and 15% broken but with the sky being broken to overcast 66% of the time.

Diurnal frequencies of cloud amounts in the ranges 0-2, 3-7 and 8-10 tenths for the hours 8 a.m. to 8 p.m. Local Standard Time (LST) for Mont Joli, Sept-Iles, Chatham, Charlottetown and Summerside can be found in Table 5 (conditions B, C, and D). For example, at Mont Joli during the daylight hours, 8 a.m. to 8 p.m. LST, we find that 21% of the sky cover is in the 0-2 tenths range, 32% in the 3-7 tenths range and 47% in the 8-10 tenths range. The chances are, therefore, that 25% of the time the sky will be covered by less than 2 tenths of cloud and 50% of the time the sky will be covered by more than 8 tenths. A moderately clouded sky occurs about 33% of the time.

In summary, it can be said that there is a greater probability of drier conditions in the area from Tuktoyaktuk to Chesterfield than in the area southeastward from Poste-de-la-Baleine to Sable Island. However, warmer and less cloudy conditions prevail in the area around Mont Joli, Summerside and Charlottetown, though it should be pointed out, all these data are averages. Movements of weather systems over the continent on July 10, 1972 could produce weather ranging from heavy overcast to bright sunny conditions at any place along the path. Therefore, those planning to observe the eclipse are advised to read or listen to the public weather forecasts for a few days in advance of the eclipse and especially during the few hours prior to the occurrence of this fascinating event.

If further climatological information is required, please address inquires to the Administrator, Canadian Meteorological Service, 315 Bloor Street West, Toronto 5, Ontario. Attn: Climatology Division.

TABLE 1
Total Eclipse of 1972 July 10

<i>Central Line</i>									
<i>Ephemeris Time</i>		<i>Latitude</i>		<i>Ephemeris Longitude</i>		<i>Duration</i>		<i>Width of Path</i>	<i>Altitude of Sun</i>
<i>h</i>	<i>m</i>	<i>°</i>		<i>°</i>		<i>m</i>	<i>s</i>	<i>mi</i>	<i>°</i>
	Limit	+51	02	-143	46
18	30	54	13.6	150	40.8	1	25.1	91	5
	35	60	17.5	165	32.3	1	41.8	98	16
	40	63	25.5	-175	20.0	1	51.7	101	22
	45	65	36.1	+175	53.7	1	59.5	103	26
	50	67	10.4	167	29.3	2	06.1	105	30
	55	68	16.6	159	14.8	2	11.7	105	33
19	00	+68	59.1	+151	09.3	2	16.7	106	35
	05	69	20.6	143	16.4	2	20.9	107	38
	10	69	23.7	135	41.7	2	24.6	108	40
	15	69	10.5	128	31.1	2	27.7	109	41
	20	68	43.0	121	48.7	2	30.2	109	43
	25	68	03.3	115	36.8	2	32.3	109	44
19	30	+67	13.2	+109	55.8	2	33.8	110	45
	35	66	14.2	104	44.5	2	34.9	110	46
	40	65	07.8	100	00.8	2	35.5	111	46
	45	63	54.9	95	41.9	2	35.6	111	46
	50	62	36.5	91	44.9	2	35.3	112	46
	55	61	13.2	88	06.5	2	34.5	112	46
20	00	+59	45.4	+ 84	44.1	2	33.2	113	46
	05	58	13.4	81	34.8	2	31.5	113	45
	10	56	37.5	78	35.9	2	29.3	113	44
	15	54	57.5	75	44.9	2	26.7	113	42
	20	53	13.3	72	59.4	2	23.6	113	41
	25	51	24.5	70	16.7	2	20.0	113	39
20	30	+49	30.6	+67	33.9	2	15.9	113	37
	35	47	30.7	64	47.9	2	11.3	113	35
	40	45	23.2	61	54.2	2	06.0	112	32
	45	43	06.1	58	47.0	2	00.1	110	28
	50	40	35.2	55	16.4	1	53.2	108	25
	55	37	42.5	51	03.2	1	45.0	105	20
21	00	+34	05.5	+ 45	14.4	1	34.2	98	13
	Limit	+27	40	+ 32	22

Ephemeris time = Universal time plus Approx. 42.4 Seconds.

TABLE 2
 Meteorological Stations Along the Eclipse Path

Station	Co-Ordinates		Elev-Ft. A.S.L.	Eclipse Times	
	Lat.	Long.		Local Time	G.M.T.
Tuktoyaktuk, N.W.T.	69° 27'N	133° 00'W	60	12:09 MST	19:09
Cape Parry, N.W.T.	70° 10'N	124° 41'W	53	12:16 MST	19:16
Coppermine, N.W.T.	67° 49'N	115° 05'W	28	12:24 MST	19:24
Baker Lake, N.W.T.	64° 18'N	96° 00'W	41	13:43 CST	19:43
Chesterfield, N.W.T.	63° 20'N	90° 43'W	21	13:48 EST	19:48
Poste-de-la-Baleine, Que.	55° 17'N	77° 46'W	86	15:11 EST	20:11
Nitchequon, Que.	53° 12'N	70° 54'W	1759	15:21 EST	20:21
Manicouagan, Que.	50° 39'N	68° 50'W	1333	15:25 EST	20:25
Baie Comeau, Que.	49° 08'N	68° 12'W	73	15:29 EST	20:29
Sept-Iles, Que.	50° 13'N	66° 16'W	190	15:29 EST	20:29
Mont Joli, Que.	48° 36'N	68° 12'W	150	15:30 EST	20:30
Chatham, N.B.	47° 01'N	65° 27'W	112	16:32 AST	20:32
Summerside, P.E.I.	46° 26'N	63° 50'W	78	16:36 AST	20:36
Charlottetown, P.E.I.	46° 17'N	63° 08'W	186	16:37 AST	20:37
Truro, N.S.	45° 22'N	63° 16'W	131	16:38 AST	20:38
Copper Lake, N.S.	45° 23'N	61° 58'W	318	16:39 AST	20:39
Sable Island, N.S.	43° 56'N	60° 01'W	13	16:42 AST	20:42

TABLE 3

Average Temperature, Precipitation, Dew Point, Relative Humidity, Sunshine, Thunder, Fog and Cloudiness Tables for the Month of July

<i>Element (see Table 3A)</i>	<i>Tuktoyak- tuk, N.W.T.</i>	<i>Cape Parry, N.W.T.</i>	<i>Coppermine N.W.T.</i>	<i>Baker Lake N.W.T.</i>	<i>Chesterfield N.W.T.</i>	<i>Poste-de-la- Baleine, Que.</i>
Mean max.	59°F	48°F	56°F	60°F	56°F	60°F
Mean min.	42°F	36°F	41°F	42°F	40°F	42°F
Extreme max.	82°F	74°F	90°F	81°F	85°F	92°F
Extreme min.	28°F	26°F	31°F	29°F	26°F	28°F
Mean D.P.	43°F	38°F	43°F	43°F	41°F	45°F
Mean W.B.	46°F	40°F	46°F	47°F	44°F	48°F
Mean R.H.	77%	89%	80%	72%	79%	81%
Mean rain	1.28	0.88	1.32	1.58	1.75	3.36
Mean snow	0.3	0.1	0.2			
No. Days rain	9	9	10	9	10	16
Max. Pcpn. 24 hrs.	0.80	1.12	1.35	1.41	2.28	2.87
No. Hrs. sun			2.83			
No. Days T			0.0	1.0	0.5	1.8
No. Days F			1.9	2.6	4.8	10.5
% Cloudiness						
0 - 2 tenths		17	20	19	25	
3 - 7 tenths		27	23	28	26	
8 - 10 tenths		56	57	53	49	

<i>Element (see Table 3A)</i>	<i>Nitchequon Que.</i>	<i>Manicougan Que.</i>	<i>Baie Comeau, Que.</i>	<i>Sept-Îles Que.</i>	<i>Mont Joli Que.</i>	<i>Chatham N.B.</i>
Mean max.	65°F	70°F	71°F	68°F	72°F	78°F
Mean min.	49°F	47°F	50°F	51°F	54°F	56°F
Extreme max.	88°F	88°F	91°F	90°F	94°F	98°F
Extreme min.	33°F	31°F	37°F	35°F	38°F	38°F
Mean D.P.	48°F			52°F	53°F	56°F
Mean W.B.	52°F			55°F	57°F	60°F
Mean R.H.	73%			78%	71%	72%
Mean rain	3.94	4.70	3.00	4.14	2.85	2.90
Mean snow						
No. Days rain	18			13	12	12
Max. Pcpn. 24 hrs.	1.61			3.13	1.50	1.83
No. Hrs. sun						261
No. Days T	2.1			1.3	2.3	3.7
No. Days F	0.2			6.7	4.5	3.3
% Cloudiness						
0 - 2 tenths	14			21	28	19
3 - 7 tenths	24			26	24	30
8 - 10 tenths	62			53	48	51

TABLE 3 (Cont'd)

<i>Element (see Table 3A)</i>	<i>Summerside P.E.I.</i>	<i>Charlottetown P.E.I.</i>	<i>Truro N.S.</i>	<i>Copper Lake, N.S.</i>	<i>Sable Island, N.S.</i>
Mean max.	74°F	74°F	76°F	75°F	65°F
Mean min.	58°F	58°F	54°F	54°F	56°F
Extreme max.	92°F	91°F	87°F	91°F	77°F
Extreme min.	44°F	40°F	37°F	33°F	40°F
Mean D.P.	57°F	57°F		58°F	57°F
Mean W.B.	60°F	60°F			57°F
Mean R.H.	75%	78%			95%
Mean rain	2.79	2.97	2.92	3.22	2.90
Mean snow					
No. Days rain	11	11	11	11	9
Max. Pcpn. 24 hrs.	2.05	1.63	2.36	2.60	2.85
No. Hrs. sun		252			
No. Days T	3.1	1.7		3.9	1.3
No. Days F	1.9	2.5		13.9	10.0
% Cloudiness					
0 - 2 tenths	28	27		25	19
3 - 7 tenths	26	24		20	15
8 - 10 tenths	46	49		55	66

TABLE 3 A.

Legend for Table 3

Mean max.	Mean daily maximum temperature
Mean min.	Mean daily minimum temperature
Extreme max.	Maximum temperature on record
Extreme min.	Minimum temperature on record
Mean D.P.	Mean dew point temperature
Mean W.B.	Mean wet bulb temperature
Mean R.H.	Mean relative humidity
Mean rain	Mean average rainfall (inches)
Mean snow	Mean average snowfall (inches)
No. Days rain	Number of days with measurable rain
Max. Pcpn. 24 hrs.	Maximum precipitation in 24 hours (inches)
No. Hrs. sun	Average number of hours of bright sunshine
No. Days T	Average number of days with thunder
No. Days F	Average number of occurrences of fog (Vsby. less than 5/8 mile)
% Cloudiness	Percentage frequency of cloudiness in specified ranges
0 - 2 tenths	
3 - 7 tenths	
8 - 10 tenths	

TABLE 4
Diurnal Frequency of Specified Conditions

Cond.	Hour LST																							Total	
	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Cases	Hrs				
MONT JOLI A																									
A				31	31	32	34	32	32	34	33	35	27	29	29	29					408	1430			
B				25	25	29	28	24	25	23	25	21	18	19	19	20					301	1430			
C				32	32	27	33	36	33	35	36	41	40	36	34	35					450	1430			
D				53	53	54	49	50	52	52	49	48	52	55	57	55					679	1430			
E				101	98	93	91	84	86	86	87	95	100	102	102	104					1229	1430			
F				9	12	17	19	26	23	23	23	15	10	8	8	6					199	1430			
G									1	1										2	1430				
H																					1430				
I																					1430				
J																					1430				
K				5	4	1	2	1	1	1	1	1	2	1	2	3					25	1430			
L				50	48	46	38	30	31	29	28	28	27	29	29	34					447	1430			
M				46	44	47	53	47	49	46	42	40	39	41	48	46					588	1430			
N				9	14	16	14	29	25	31	36	39	38	37	30	26					344	1430			
O							3	3	4	3	3	2	4	2	1	1					26	1430			
P																						1430			
Q				3	8	9	8	6	5	7	6	3	11	9	10	9					94	1430			
R				2	1	1		2	1	1	1	2	1								12	1430			
S							1			1			2	1	1	1					7	1430			
T				4	5	4	3	2	2	1			1	1	4	5					32	1430			
SEPT-ILES																									
A				23	23	22	20	17	20	21	24	21	23	24	25	34					297	1430			
B				19	20	13	15	14	12	15	14	17	14	15	17	25					210	1430			
C				23	25	32	30	38	37	37	41	38	40	37	34	27					439	1430			
D				68	65	65	65	58	61	58	55	55	56	58	59	58					781	1430			
E				98	97	98	90	95	90	91	91	87	89	92	91	94					1203	1430			
F				10	13	8	18	13	18	16	18	20	17	14	15	15					195	1430			
G				2		4	2	2	2	3	1	3	4	4	4						31	1430			
H																				1	1430				
I																					1430				
J																					1430				
K				1	1	1															3	1430			
L				73	68	55	53	48	40	38	39	35	44	43	45	56					637	1430			
M				36	35	47	47	50	57	56	51	57	52	53	56	48					645	1430			
N					6	7	10	12	13	16	20	17	13	14	9	6					143	1430			
O												1	1								2	1430			
P																						1430			
Q				12	13	16	12	15	14	13	11	11	9	14	14	10					164	1430			
R				7	4	4	4	3	3	2				1	2	1	2				33	1430			
S								1							1						2	1430			
T				8	5	3	3	2	1	1	1	1	2	4	5	3					39	1430			

TABLE 4 (Cont'd)

Cond.	Hour LST															Total					
	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Cases	Hrs
CHATHAM A																					
A				22	24	15	11	10	6	4	5	6	8	11	14	15				151	1430
B				16	16	10	6	5	2	2	2	3	5	6	8	12				93	1430
C				21	23	36	40	32	33	30	34	29	27	33	31	25				394	1430
D				73	71	64	64	73	75	78	74	78	78	71	71	73				943	1430
E				109	107	105	105	101	94	97	96	97	99	102	108	108				1328	1430
F				1	3	5	5	8	16	13	14	12	10	8	2	2				99	1430
G								1				1	1							3	1430
H																					1430
I																					1430
J																					1430
K																					1430
L				31	19	14	12	12	10	11	11	12	10	11	13	14				180	1430
M				75	65	55	42	34	36	32	35	31	37	38	47	58				585	1430
N				4	26	39	52	55	44	42	37	39	42	49	44	35				508	1430
O						2	4	9	19	24	26	27	20	12	6	3				152	1430
P									1	1	1	1	1	1						5	1430
Q				11	9	16	16	15	14	15	18	18	19	14	18	16				199	1430
R				5	4	4	4	4	4	2	5	4	4	2	3	5				50	1430
S						1		1	1	3	4	5	3	4	4	4				30	1430
T				1	1				1											3	1430
SUMMERSIDE A																					
A				29	23	25	18	17	15	19	13	19	15	14	17	20				244	1430
B				22	22	18	13	15	12	9	6	13	10	10	10	12				172	1430
C				27	22	24	35	31	38	40	38	32	36	37	41	38				439	1430
D				61	66	68	62	64	60	61	66	65	64	63	59	60				819	1430
E				86	88	86	85	83	80	78	87	79	88	86	93	92				1111	1430
F				23	20	23	23	26	26	28	21	29	21	23	16	18				297	1430
G				1	2	1	2	1	4	4	2	2	1	1	1					22	1430
H																					1430
I																					1430
J																					1430
K																					1430
L				23	14	12	9	10	9	9	9	9	9	9	9	12				143	1430
M				85	88	80	61	50	42	36	28	37	39	50	63	84				743	1430
N				2	8	18	40	50	58	64	69	61	61	51	38	14				534	1430
O									1	1	4	3	1							10	1430
P																					1430
Q				9	7	15	10	9	12	11	13	11	11	11	19	14				152	1430
R				3		3	3	1		2		2	1	3	3	3				24	1430
S												2		1	5	2				10	1430
T																1				1	1430

TABLE 4 (Cont'd)

Cond.	Hour LST																							Total	
	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Cases	Hrs				
CHARLOTTETOWN A																									
A			30	28	27	26	28	21	23	27	20	24	27	24	24						329	1430			
B			23	24	19	16	15	11	13	15	14	16	19	18	15						218	1430			
C			29	29	32	36	34	43	46	41	44	42	40	37	36						489	1430			
D			58	57	59	58	61	56	51	54	52	52	51	55	59						723	1430			
E			107	107	106	102	103	101	101	102	104	104	106	107	106						1356	1430			
F			3	2	3	8	6	8	8	8	6	6	4	3	4						69	1430			
G				1	1		1	1	1												5	1430			
H																						1430			
I																						1430			
J																						1430			
K																						1430			
L			31	20	14	10	7	7	7	7	8	8	9	12	13						153	1430			
M			79	84	76	66	59	52	44	39	39	43	52	58	78						769	1430			
N				6	20	34	44	51	58	60	59	56	49	40	19						496	1430			
O									1	4	4	3									12	1430			
P																						1430			
Q			14	10	8	11	11	10	12	10	11	10	12	14	14						147	1430			
R			6	2	1	2	3	1	2	2	1	2	2	4	3						31	1430			
S												1		2	3						6	1430			
T			3	3																	6	1430			

DEFINITION OF CONDITION CODES

- COND A = VIS GREATER THAN 6ML, WND SPD LESS THAN 30, TOTAL CLD AMT 0-3
- COND B = TOTAL CLOUD AMOUNT 0-2
- COND C = TOTAL CLOUD AMOUNT 3-7
- COND D = TOTAL CLOUD AMOUNT 8-10
- COND E = WIND SPEED 0-19 MPH
- COND F = WIND SPEED 20-29 MPH
- COND G = WIND SPEED 30-39 MPH
- COND H = WIND SPEED 40-49 MPH
- COND I = WIND SPEED EQUAL TO OR GREATER THAN 50 MPH
- COND J = DRY BULB EQUAL OR LESS THAN 39 DEG
- COND K = DRY BULB 40-49 DEG
- COND L = DRY BULB 50-59 DEG
- COND M = DRY BULB 60-69 DEG
- COND N = DRY BULB 70-79 DEG
- COND O = DRY BULB 80-89 DEG
- COND P = DRY BULB EQUAL OR GREATER THAN 90 DEG
- COND Q = LIGHT RAIN TO HEAVY RAIN SHOWERS
- COND R = LIGHT TO HEAVY DRIZZLE
- COND S = THUNDERSTORMS
- COND T = VIS 6 MILES OR LESS WITH FOG

TABLE 5

Percentage Frequency of Specified Conditions 8 a.m. to 8 p.m. Local Standard Time

Condition Codes		Mont Joli	Sept-Isles	Chatham	Summerside	Charlotte-town
A	Vis greater than 6 ml wind speed less than 30 mph Total cloud amt 0-3 tenths	29	21	11	17	23
B	Total cloud amt 0-2 tenths	21	15	6	12	15
C	Total cloud amt 3-7 tenths	32	31	28	31	34
D	Total cloud amt 8-10 tenths	47	54	66	57	51
E	Wind speed 0-19 mph	86	84	93	78	95
F	Wind speed 20-29 mph	14	14	7	21	5
G	Wind speed 30-39 mph	0	2	0	2	0
H	Wind speed 40-49 mph	0	0	0	0	0
I	Wind speed ≥ 50 mph	0	0	0	0	0
J	Dry bulb temp ≤ 39°F	0	0	0	0	0
K	Dry bulb temp 40-49°F	2	0	0	0	0
L	Dry bulb temp 50-59°F	31	45	13	10	11
M	Dry bulb temp 60-69°F	41	45	41	52	54
N	Dry bulb temp 70-79°F	24	10	36	37	35
O	Dry bulb temp 80-89°F	2	0	11	1	1
P	Dry bulb temp ≥ 90°F	0	0	0	0	0
Q	Light rain to heavy rain showers	7	11	14	11	10
R	Light to heavy drizzle	1	2	3	2	2
S	Thunderstorms	1	0	2	1	0
T	Vis ≤ 6 ml with fog	2	3	0	0	0