

Table 19: Climate Statistics for August along the Eclipse Path

Location	Pcpn Amount (mm)	Days with rain	% obs with t-storms at eclipse time	% obs with pcpn at eclipse time	% obs with fog	% obs with smoke or haze at eclipse time	% obs with dust or sand	% of obs with obstructions to vision	Tmax (°C)	Tmin (°C)
Canada										
Alert*	21.2	10.1	0	21.6	20.7	0	0	21	3	-2
Resolute	34.3	13.4	0	28.7	27.4	0	0	27.4	4	-1
Eureka	14.9	8.2	0	17.1	2.2	0	0	2.2	5	0
Cambridge Bay	26.7	13.1							9	3
Greenland										
Thule	16.7	2	0	20.1	14.9	0.2	0.2	15.2	6	1
Danmarkshavn	15		0	20.9	23.6	0	0	23.6		
Norway										
Longyearbyen, Spitsbergen	24.8		0	19.6	5	0	0	5	7	3
Ny-Alesund, Spitsbergen	13.6		0	18.8	3.8	0	0	3.8	6	3
Bear Island (Bjornoya)	36.4	18.6	0	13.5	30.6	0.2	0	30.7	6	4
Hopen Island		20	0	18.1	35.9	0	0	35.9	4	2
Jan Mayen Island	74		0	26.9	25	0	0	25	7	4
Barentsburg, Spitsbergen		21	0	23.1	2.8	0	0	2.8	6	3
Russia										
Nagurskoye, Franz Josef Land		16	0	18.3	20.2	0	0	22.3	1	-1
Krenkel Polar, Franz Josef Land	23	15	0	21.3	11.1	0	0	12.8	1	-1
Viktoriya Island, Franz Josef Land*			0.2	14.6	38.4	0	0	39.5	1	-1
Russkaya Gavan', Novaya Zemlya		18	0	20.3	9.2	0.4	0	9.8	5	2
Belyy Island			0	15.9	14	0.2	0	14.2	7	2
Malye Karmakuly, Novaya Zemlya	50	9.2	0	10.7	14.5	0	0	14.5	8	5
Novy Port*			0.2	11.6	1.1	1.3	0	2.4	13	8
Vorkuta			0.6	25.6	1.9	0.4	0	2.3	13	6
Yar Sale*			0	13.2	0.4	3	0	3.4	5	2
Salekhard	62	9.6	1	15.4	1	1.2	0	2.4	15	7
Tarko-Sale	64	9.4								
Khanty-Mansiysk	66	9.5	1.2	16.1	1.8	4.4	0.2	6.3	19	10
Tara	66	9.5								
Barabinsk	53	8.5								
Novosibirsk*	60		3.1	15.2	0.8	1.2	0	1.9	22	12
Novokuznetsk			5.3	15.2	0	0	0	0	21	11
Barnaul*	50	8							23	11
Mongolia										
Hovd*	23	4							23	10
Kazakhstan										
Leninogorsk	76	9.4								
Zaysan	4.3	24								
China										
Urumqi	31	6	0.2	9.8	0	0	0.5	0.5	30	18
Altay*	22	4.1							28	15
Hami*	7	1.5							34	19
Jiuquan*	17	3.1							28	14
Yinchuan	52	5.5	2.4	10.1	0	0	1.8	1.8	28	16
Xi'an*	67	6.6	1.4	14.7	9.4	4.5	0.5	14.5	31	21
Zhengzhou	117	7.1							31	22
Beijing	182	9.4	6.8	16	22.7	5.7	0.2	33.3	30	20

* = within the eclipse track

Table 19: Climatological statistics along the eclipse path. Data are for the time of day closest to totality, broken into three-hour intervals (0, 3, 6, 12...). Data from the International Station Meteorological Climate Summary (NCDC).

Description of elements:

% obs with...: Percent of observations with the indicated element. "Obstructions to vision" includes fog, haze, and blowing snow, dust, or sand. Data are for the time of day closest to totality, broken into three-hour intervals (0, 3, 6, 12...). Data from the International Station Meteorological Climate Summary (NCDC).

Tmax, Tmin: average maximum and minimum temperatures. Data from various sources.