

Table 18: Cloud Cover Statistics for August along the Eclipse Path

Location	Percent of possible sunshine	Percent Frequency of (cloud cover) at eclipse time				
		Clear	Scattered	Broken	Overcast	Obscured
Canada						
Alert*	32	2.3	19.1	31.3	41.1	6.2
Resolute	22	0.8	16.6	27.3	44.2	11
Eureka	32	2.7	19.2	42.3	34.7	1.1
Cambridge Bay	34					
Greenland						
Thule		6.3	25.1	31.7	29.9	7.0
Danmarkshavn		13.3	31.8	21	28.8	5.1
Norway						
Longyearbyen, Spitsbergen		0.2	15.0	54.8	29.0	1.1
Ny-Alesund, Spitsbergen	18	2.7	15.4	35.8	44.7	1.4
Bear Island (Bjornoya)		0.3	11.0	36.4	37.0	15.3
Hopen Island		1	13.2	26.5	40.3	19
Jan Mayen Island		0.2	11.2	34.9	40.9	12.8
Barentsburg, Spitsbergen		3.3	12.4	47.8	35.5	1
Russia						
Nagurskoye, Franz Josef Land		1.3	8.1	49.7	37.6	3.4
Krenkel Polar, Franz Josef Land		1.7	6.1	53.2	35	4.9
Viktoriya Island, Franz Josef Land*		4.2	4.9	37.9	34.1	19.2
Russkaya Gavan', Novaya Zemlya		6.8	9.1	45.2	36.8	2.1
Belyy Island		5.4	11.2	35.5	41.1	6.8
Malye Karmakuly, Novaya Zemlya	23	7.1	16.3	40.9	33.1	2.7
Novy Port*		4.7	15.9	49.2	29.3	0.9
Vorkuta		3.6	10.7	37.2	48.5	0
Yar Sale*		3	12.7	47.7	36.6	0
Salekhard	35	3.3	12.2	41.5	42.6	0.4
Tarko-Sale	36					
Surgut	42					
Khanty-Mansiysk	45	3	17.1	48.2	31.7	0
Kolpashevo	43					
Tara	49					
Barabinsk	52					
Novosibirsk*	53	7.2	25	34	33.8	0
Novokuznetsk		7.8	17.9	44.4	30	0
Barnaul*	57					
Mongolia						
Hovd*	67					
Kazakhstan						
Leninogorsk	63					
Zaysan	70					
Semey	68					
China						
Urumqi	71	7.4	41	43.1	8.6	0
Altay*	73					
Hami*	76					
Jiuguan*	67					
Yinchuan	66	5.2	45.1	36.8	12.6	0.3
Xi'an*	54	7.1	35.1	32.4	25.2	0.2
Zhengzhou	51					
Beijing	54	5.6	34.7	36.8	22.9	0

* = within the eclipse track

Percent of possible sunshine: the percent of time from sunrise to sunset represented by the hourly sunshine in the previous column. This statistic is probably the best for determining the probability of seeing the eclipse. Data from various sources.

Percent frequency of clear, scattered, broken, overcast, and obscured cloud conditions: Clear skies are those with less than 1/10th sky cover; scattered, 1-5 tenths; broken, 6-9 tenths; and overcast, 10-tenths. 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.