

**Table 2.16: Climate Statistics for January along the Annular Eclipse Path**

January Climate Statistics	Percent of possible sunshine	Percent Frequency of Sky Condition						Calculated Cloudiness %	Prevailing wind	January Rainfall mm	Days with Rain	Average January High °C	Average January Low °C
		Clear	Few	Scattered	Broken	Overcast	Obscured						
<b>Central African Republic</b>													
Bouar *		32.5	14.4	18.7	30.6	2.9	1	38					
Bossangoa *		29.9	21.4	17.1	27.8	3.9	0	36	calm				
Bangui *	59	20.4	10.5	21.9	40.8	4.7	1.7	49	calm	25	3	32 20	
Mobaye *		16	15	15.5	46	4.5	3	53	calm				
<b>Democratic Republic of the Congo</b>													
Mbandaka		11.6	10.9	5.8	51.4	18.1	2.2	65					
Buta		15.6	11.1	6.7	40	26.7	0	63					
Kisangani	50	2.6	5.2	9.1	58.4	23.4	1.3	75		53	6	31 21	
<b>Uganda</b>													
Soroti *		2	9.8	20.6	58.8	8.3	0.5	65					
Arua *	63	2.6	9.3	24.4	63.2	0.5	0	62		12	6	30	
Masindi*		5.7	21.1	22.8	45.5	4.9	0	54			5	31 17	
Entebbe Airport *	62	1.2	8.9	14.3	52.9	22.8	0	72	S	100	9	29 14	
Kampala *	41	0	4.5	8.9	65.2	21.4	0	77		46	9	28 18	
Jinja *		3.8	13	22.1	43.5	16.8	0.8	63					
<b>Kenya</b>													
Kusumu	74	3.6	24.9	22.3	45.2	3.9	0.2	53	E	48	6	29 18	
Kitale*	69	7.9	30.8	17.2	40.5	3.1	0.5	48	E - NE	20	8	27 11	
Eldoret*		6.9	28	20.5	42.4	2.1	0	49	E - NE	34	3	27 5	
Lodwar	85	15.8	32.8	20.5	29.8	1.1	0	38	calm	9	1	36 22	
Nairobi*	76	7.5	16.3	20	50.1	6.2	0	57	N - NE	58	4	26 11	
Garissa*	67	0.9	2.4	8.7	71.9	16	0	76	S - SE			37 23	
Mombasa	71	0	5	26	63.9	5.2	0	67	calm	34	3	33 22	
Lamu* (coast)		0	4.3	25.2	69	1.5	0	67	E		1	30 26	
<b>Seychelles</b>													
Seychelles Airport (Victoria)	40	0	2	15.6	68.9	13.4	0	74	W	379	17	30 24	
<b>Maldives</b>													
Hanimaadhoo		0.5	51.4	15.6	30.9	1.7	0	41					
Male*	67	0	24.7	24.9	44.9	5.5	0	55		75	3	30 25	
Kadhoo		0	28.2	19.5	43.1	9.2	0	56					
<b>India</b>													
Minicoy	77	1.7	23.6	36.7	34.5	3.5	0	50	NE	13	1.7	31 23	
Kollam (Quilon)										20	1.2		
Thiruvananthapuram	72	4.1	29.7	28.8	35.3	2	0	47	SW	23	1.6	32 22	
Madurai*	71	11.4	36.5	18	26.9	7.2	0	42		16	1	30 21	
Cuddalore		7	27.7	31.3	30.4	3.6	0	45				29 21	
<b>Sri Lanka</b>													
Colombo	68	3.2	20.5	25.6	43.6	7.1	0	56	NE	58	5	31 22	
Jaffna										70	4	29 23	
Trincomalee		0	12.5	16.3	59.6	11.5	0	67	NE	116	7	28 24	
<b>Bangladesh</b>													
Cox's Bazar		69.5	14.5	9.9	5.3	0.8	0	12		9		26 15	
<b>Burma</b>													
Sittwe*	79	56.5	17.7	13.8	10.8	1.3	0	19		11	<1	28 15	
Mindat*		32.2	32.7	15.9	15.9	1.9	1.4	28		4		19 9	
Kalewa*		11.1	48.6	24.1	11.1	4.6	0.5	32		2		26 13	
Mandalay*	82	51.3	32.6	8.5	6.2	1.4	0	15		4	0.1	29 13	
Lashio*	75	19.9	42.1	19.2	14.8	2.6	1.5	31		8	1	25 5	
<b>China</b>													
Tengchong*	74	11.8	46.8	8.7	28.3	4.4	0	38		16	2.8	16 1	
Xichang*	72	25.5	47.1	3.9	16.2	7.4	0	29		6	1.2	16 4	
Kunming	69	24.1	32.5	8.4	25.3	9.7	0	38	SW	12	2.2	15 2	
Chongqing*		15.8	2	0.7	9.9	71.6	0	80		20	10	10 6	
Yichang*	29	21.2	5.7	2.3	21.8	48.8	0.2	68		19	3.8	9 2	
Zengzhou*	51	33.4	9.6	3.4	24.6	27	2	51		9	1.8	6 -5	
Qingdao*	60	36.8	12.3	5.4	19.2	23.9	2.4	46		11	1.9	3 -4	

Table 2.15: Climate statistics for January are given for sites along the annular eclipse path. Location names with a star (\*) are in the annular eclipse path.

Explanation of columns:

Percent of possible sunshine: the average number of daily sunshine hours recorded at the station for the month divided by the duration of daylight.

This is the best estimate of the probability of seeing the eclipse.

Sky condition: Clear means no cloud, few means 1 or 2 oktas (eights) of sky cover, scattered means 3 or 4 oktas, broken means 5 to 7 oktas, and overcast means no sky visible at all. Obscured refers to a fog layer through which the sky cannot be seen; it is treated as overcast.

Calculated cloudiness: an average cloudiness derived from the frequency and sky cover in the sky condition columns.

Prevailing wind: the most common direction from which the wind blows during the month.

Rainfall: average monthly rainfall

Days with rain: average number of days in January with 0.2 mm of rain or more.

Average high, low: average daily maximum and minimum temperatures for January.