

Weather Data for the Solar Eclipse 29 March 2006												
Location	Latitude	Long	Sunshine (hours)	Percent of possible sunshine	Cloud: percent frequency of ...				Probability of seeing eclipse	Percent of Obs with Rain at eclipse time	Percent of Obs with TRW at eclipse time	Percent of obswith obstructions to visibility
					Clear	Scattered	Broken	Overcast and Obscured				
Brazil	-	-	-	-	-	-	xxx-xxx	-	-	xxxx---xxxxxxxx	xx	xxxx-xxxxxxxx
Natal	-5.92	-35.25	-	-	1.5	37.5	45.7	15.3	0.39	12.5	0.2	5.6
Recife	-8.07	-34.85	6.8	56	0.2	39.2	48.0	12.6	0.40	13.8	0.5	19.1
Fernando de Noronha	-3.85	-32.42	-	-	2.6	35.3	42.7	19.4	0.38	9.6	0.2	4.1
Ascension Is.	-	-	-	-	-	-	-	-	-	-	-	-
WideAwake Field	-7.97	-14.90	-	-	0	55.2	40.0	4.8	0.48	-	0	-
Ivory Coast												
Abidjan	5.25	-3.43	7.4	61	1.1	28.9	61.6	8.4	36	4.2	2.3	3.0
Bouake	7.70	-5.00	6.5	54	14.3	24.7	52.3	8.6	44	1.1	1.1	3.5
Ghana												
Accra	5.60	-1.67	6.9	57	3.4	15.4	79.2	2.0	34	0.8	1.6	14.3
Ada	5.78	0.63	-	-	5.4	20.3	71.6	2.7	37	2.7	2.7	4.1
Ho	6.60	0.47	-	-	9.9	32.1	55.6	2.5	46	0	0	9.9
Kumasi	6.72	-1.60	-	56	4.2	12.6	83.2	0	34	0	0	7.3
Takoradi	4.88	-1.77	-	60	2.6	29.6	66.1	1.7	39	2.6	2.6	1.8
Tamale	9.50	-0.85	-	67	26.0	24.7	46.8	2.6	55	1.2	1.2	56.3

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Togo												
Atakpame	7.58	1.12	6.9	57	5.4	10.5	78.6	5.6	32	0.7	0.2	8.5
Lome	6.17	1.25	7.4	61	0.9	12.8	82.6	3.6	30	2.5	2.2	3.1
Mango	10.37	0.42	8.2	68	30.1	15.5	51.8	2.7	54	0.3	0.9	16.4
Naimtougou	9.77	1.10	-	-	14.6	23.2	60.6	1.5	46	1.5	1.0	8.5
Sokode	8.98	1.15	7.6	63	15.3	13.3	68.2	3.2	41	0.7	0.5	13.9
Tabligbo	6.58	1.50	-	-	1.6	14.2	78.9	5.3	31	1.2	2.5	0.9
Benin												
Bohicon	7.17	2.07	6.6	55	0	2.3	92.6	5.1	25	0.6	1.0	1.2
Cotonou	6.35	2.38	7.2	60	0	0.8	94.4	4.8	24	2.9	2.7	2.5
Kandi	11.13	2.93	8.4	70	0	15.2	83.6	1.1	31	0.7	0.2	36.4
Parakou	9.35	2.62	-	-	3.1	8.4	84.7	3.9	30	1.0	0.2	13.0
Save	8.03	2.47	7.1	59	0	3.9	88.0	8.1	25	0.6	0.4	4.4
Nigeria												
Gusau	12.17	6.70	-	-	10.8	9.5	78.4	1.4	37	0	0	56.9
I badan	7.45	4.90	6.3	53	1.3	1.3	94.8	2.6	26	-	-	-
Kaduna	10.48	7.42	8.6	72	-	-	-	-	-	1.0	0	-
Kano	12.05	8.53	8.6	72	-	-	-	-	-	1.0	-	-
Lagos	6.45	3.40	6.4	53	1.2	20.0	71.8	7.1	33	5.7	2.3	2.3
Sokoto	13.02	5.25	9.1	76	9.9	33.3	54.3	2.5	46	0	0	59.3
Zaria	11.13	7.68	-	-	5.6	15.7	76.4	7.2	35	1.1	0	47.8

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Niger												
Agadez	16.97	7.98	9.5	79	1.7	34.7	62.4	1.2	41	0.2	0	44.3
Bilma	18.55	13.35	9.7	77	5.4	33.9	59.9	0.8	44	0.5	0	41.7
Birni-N'konni	13.80	5.25	8.9	74	0.0	13.6	83.7	2.7	30	0.4	0	61.1
Maradi	13.47	7.83	8.7	72	0.2	15.2	79.7	4.9	31	0.4	0	57.2
Zinder	13.80	8.98	8.8	73	2.1	14.8	79.6	3.5	32	0.4	0	49.4
Chad												
Abeche	13.85	20.85	9.5	79	-	-	-	-	-	<1	-	-
Faya-Largeau	18.00	19.17	9.9	82	-	-	-	-	-	<1	-	-
Libya												
Al Kufrah	25.48	23.33	9.5	79	-	-	-	-	-	-	-	-
Benghazi	32.10	20.07	7.9	66	14.5	25.4	51.1	9.1	45	6.8	0.4	2.1
Darnah	32.82	22.63	6.6	55	-	-	-	-	-	5.0	-	-
Surt (Sirte)	31.20	16.55	7.6	64	25.2	26.4	37.9	10.4	53	3.5	0.3	33.8
Tobruk	32.10	23.92	-	-	17.1	40.4	29.5	13.0	52	3.1	0	9.3
Egypt												
Alexandria	31.20	29.85	8.7	73	15.6	18.4	60.0	6.0	43	3.5	0	5.3
As Sallum	31.88	25.18	9.0	75	38.5	17.7	36.9	6.6	60	1.9	0	0
Cairo	30.13	31.57	8.9	74	31.0	31.1	33.5	4.5	61	2.5	0	16.7
Dakhla (Oasis)	25.48	29.00	-	-	59.2	35.2	5.6	0.0	85	0	0	11.3

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Crete												
Iraklion	35.33	25.18	5.7	48	9.0	38.0	39.9	13.0	47	10.0	0.8	0.9
Souda Bay	35.53	24.15			11.7	27.8	25.2	35.4	39	10.4	0.7	9.7
Turkey												
Antalya	36.70	30.73	7.2	60	10.5	41.2	36.2	12.1	50	8.1	2.4	0.2
Konya	37.97	32.55			8.0	27.9	55.1	9.1	43	9.8	0.2	14.0
Kayseri	38.78	35.48			6.8	25.1	51.7	16.4	39	14.3	1.0	4.9
Ankara	39.95	32.67	5.6	47	10.0	24.9	53.3	11.9	42	12.9	0.2	4.4
Sivas	39.75	37.02			12.9	24.5	44.7	17.9	42	19.9	0	0
Samsun	41.28	36.23			6.2	21.6	42.3	30.0	33	22.4	0.4	2.5
Trabzon	41.00	39.72			12.0	16.9	40.7	30.4	35	19.3	0.2	0.4
Malatya	38.63	38.08			8.7	28.9	47.2	15.3	42	13.8	0	0.8
Georgia												
Sukhumi	42.87	41.13			6.7	24.9	34.2	34.2	34	13.3	0.2	0
Poti	42.15	41.67			18.3	15.2	32.3	34.2	38	14.1	0	0
Tbilisi	41.68	44.95	4.8	40	9.8	23.5	34.2	32.5	36	8.9	0.3	5.3
Batumi	41.65	41.65			14.0	16.4	30.9	38.7	34	20.6	0.3	0.2
Gagra	43.25	40.27			10.3	14.8	31.7	43.2	29	13.1	0	0.4
Gudauta	43.10	40.63			10.3	16.3	46.1	27.3	34	15.5	0.4	14.4

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Russia												
Sochi	43.45	39.90			6.9	19.7	27.0	46.4	28	18.4	0.4	6.1
Armavir	44.98	41.12			15.5	13.7	37.2	33.6	35	10.6	0	9.0
Divnoye	45.92	43.35			12.1	10.9	32.5	44.5	28	9.3	0.2	29.9
Kamyshin	50.82	45.42			14.3	23.5	26.5	35.7	39	15.3	0	27.6
Kotel 'nikovo	47.63	43.15			18.0	11.2	32.1	38.7	34	8.8	0.2	13.2
Krasnodar	45.03	39.15			17.8	12.8	41.3	28.1	38	9.7	0	20.4
Mineral'nye Vody	44.22	43.10			8.4	12.5	32.7	46.4	26	22.1	0	19.2
Volgograd	48.68	44.35	4.4	37	18.2	14.2	30.0	37.6	36	13.2	0	31.6
Yershov	51.33	48.35			12.1	16.9	40.7	30.2	35	10.9	0.2	30.9
Omsk	54.93	73.40	6.2	53	22.6	14.7	32.5	30.2	42	11.0	0	35.9
Novokuznetsk	53.73	87.18			19.1	15.8	17.1	48.0	35	20.0	0.2	13.9
Novosibirsk	55.03	82.90	5.4	46	24.0	11.8	9.8	54.4	35	19.6	0	17.4
Kazakistan												
Novyj Ustogan	47.90	48.80			20.5	12.3	37.2	30.1	39	0	5.9	3.2
Kazalinsk	45.77	62.12			31.3	17.2	24.2	27.3	50	4.1	0.2	0.8

Explanation:

Sunshine hours - the average number of hours per day in March with bright sunshine.

Percent of possible sunshine: The number of sunshine hours (described above) divided by the number of hours from sunrise to sunset at mid-month. Where independent values of the percent of possible sunshine are available, that value is given in the table. This statistic is one of the best measures of the probability of seeing the eclipse as it includes situations in which the sun may be shining through a thin cloud cover.

Percent frequency of (clear, scattered, broken, overcast and obscured) skies. While observing practices vary slightly from country to country, clear skies are those free of any cloud, scattered cloud is from 1 to 4 eighths of cloud cover, broken ranges from 5 to 7 eighths, and overcast and obscured conditions represent 8 eighths of coverage. This cloud cover is the fraction of the sky covered by any cloud, not just opaque cloud. A sky may have broken cloud that is completely transparent (high level cirrus for instance). As such, the cloud statistics are pessimistic and almost all locations in the globe will have better eclipse weather than these columns imply.

Probability of seeing the eclipse: A simplistic calculation of the chances of seeing the eclipse based on a mean value of cloud cover for each category and the frequency of occurrence of the cloud. This column should be used to compare one site to another rather than as an absolute indication of success.

Percent of observations with rain at eclipse time: the percent of time at which precipitation was reported at the station. Observations are available at three hour intervals and the closest interval to the time of the eclipse was selected for the table.

Percent of observations with TRW at eclipse time. TRW is the international code for thundershowers. Thundershowers, or any precipitating convective cloud, would not be expected to dissipate during the eclipse cooling.

Percent of observations with obstructions to visibility at eclipse time. These obstructions include smoke, haze and dust but not fog.