

Table 2 - Local Circumstances for the Total Solar Eclipse of 2016 March 09

Country/Area	City	Eclipse Begins	Maximum Eclipse	Eclipse Ends	Sun Altitude	Sun Azimuth	Eclipse Magnitude	Eclipse Obscuration
		hh:mm	hh:mm	hh:mm	°	°		
Australia	Alice Springs	00:00	00:46	01:36	49	68	0.210	0.113
	Broome	23:33	00:32	01:38	37	82	0.476	0.368
	Cairns	00:13	01:12	02:15	68	58	0.287	0.178
	Darwin	23:37	00:47	02:05	50	82	0.593	0.502
	Townsville	00:21	01:12	02:06	67	52	0.203	0.107
	Yulara	23:59	00:42	01:27	45	69	0.184	0.093
Bangladesh	Chittagong	— r	00:38	01:23	6	97	0.295	0.185
Cambodia	Phnum Pénh	23:36	00:34	01:38	19	99	0.586	0.493
China	Chongqing	00:25	01:00	01:36	22	109	0.137	0.060
	Guangzhou	00:07	00:58	01:54	30	110	0.308	0.198
	Nanjing	00:42	01:21	02:02	35	123	0.140	0.062
	Shanghai	00:41	01:25	02:11	38	126	0.175	0.086
	Shuicheng	00:14	00:53	01:36	20	106	0.197	0.103
	Wuhan	00:34	01:11	01:51	31	117	0.145	0.065
Guam	Agana	00:22	01:52	03:24	70	150	0.867	0.842
Hong Kong	Victoria	00:05	00:58	01:57	31	110	0.332	0.220
India	Bangalore	— r	01:02r	01:18	0	94	0.238	0.136
	Calcutta	— r	00:37	01:20	3	96	0.295	0.185
	Hyderabad	— r	01:00r	01:18	0	94	0.243	0.140
	Madras	— r	00:51r	01:18	0	94	0.384	0.271
	Nagpur	— r	00:59r	01:18	0	94	0.220	0.121
Indonesia	Bandung	23:20	00:22	01:32	21	92	0.882	0.858
	Depok	23:20	00:21	01:32	20	92	0.899	0.880
	Jakarta	23:20	00:22	01:32	20	92	0.906	0.889
	Medan	— r	00:22	01:28	11	95	0.818	0.776
	Semarang	23:21	00:24	01:36	24	92	0.875	0.850
	Surabaya	23:21	00:26	01:40	27	91	0.860	0.832
	Tangerang	23:20	00:21	01:31	20	92	0.906	0.889
Japan	Tokyo	01:12	02:09	03:05	49	164	0.259	0.153
Korea, South	Seoul	01:11	01:45	02:19	40	140	0.094	0.035
Malaysia	Kuala Lumpur	23:24	00:24	01:31	15	95	0.830	0.793
Myanmar	Yangon	— r	00:33	01:27	10	98	0.437	0.326
Papua New Guinea	Port Moresby	00:08	01:24	02:43	75	71	0.488	0.382
Philippines	Manila	23:51	00:58	02:14	40	109	0.567	0.472
	Quezon City	23:51	00:59	02:15	40	109	0.566	0.471
Singapore	Singapore	23:23	00:24	01:33	17	95	0.889	0.868
Sri Lanka	Colombo	— r	00:51r	01:17	0	94	0.423	0.311
Taiwan	T'aipei	00:19	01:15	02:15	39	120	0.310	0.200
Thailand	Bangkok	23:39	00:33	01:32	14	98	0.521	0.418
Vietnam	Ho Chi Minh	23:35	00:34	01:41	21	99	0.612	0.524
Alaska	Fairbanks	02:42	03:08	— s	2	256	0.109	0.043
Hawaii	Honolulu	02:33	03:37	04:33	14	260	0.702	0.633

All times are Universal Time (UT1).
r' indicates eclipse in progress at sunrise.
's' indicates eclipse in progress at sunset.

"Eclipses During 2016", Fred Espenak, *Observer's Handbook 2016*, Royal Astronomical Society of Canada