

Table 4 - Local Circumstances for the Total Solar Eclipse of 2009 July 22

Location	Eclipse Begins h m	Max. Eclipse h m	Eclipse Ends h m	Sun Alt °	Sun Azm °	Eclip. Mag.	Eclip. Obs.	Total Duration
Afghanistan								
Kabul	—	01:01	01:51	6	69	0.599	0.512	
Bangladesh								
Dacca	23:59	00:58	02:04	20	76	0.930	0.927	
Burma								
Yangon	00:02	01:00	02:06	24	75	0.655	0.581	
Cambodia								
Phnum Pénh	00:14	01:10	02:13	33	73	0.420	0.311	
China								
Beijing	00:25	01:32	02:45	49	106	0.730	0.674	
Chengdu	00:07	01:13	02:26	36	86	1.072	1.000	03m16s
Chongqing	00:08	01:15	02:31	39	87	1.073	1.000	04m06s
Hong Kong	00:15	01:26	02:46	47	84	0.748	0.697	
Guangzhou	00:13	01:24	02:44	46	84	0.776	0.733	
Harbin	00:45	01:48	02:52	56	129	0.517	0.419	
Nanjing	00:20	01:34	02:55	53	99	0.995	0.998	
Shanghai	00:23	01:39	03:02	57	101	1.077	1.000	05m00s
Shenyang	00:35	01:43	02:54	55	118	0.657	0.584	
Shuicheng	00:06	01:12	02:27	36	84	0.926	0.922	
Tianjin	00:25	01:33	02:47	50	106	0.756	0.707	
Wuhan	00:15	01:27	02:46	48	93	1.075	1.000	05m25s
Xi'an	00:13	01:20	02:35	42	93	0.909	0.900	
Zibo	00:23	01:34	02:50	51	104	0.835	0.807	
India								
Ahmadabad	—	00:54	01:50	3	69	0.973	0.977	
Bangalore	—	00:51	01:47	3	70	0.720	0.660	
Bombay	—	00:52	01:49	2	69	0.961	0.963	
Calcutta	23:59	00:56	02:01	17	75	0.911	0.902	
Delhi	—	00:57	01:55	9	72	0.852	0.827	
Hyderabad	—	00:52	01:50	6	71	0.849	0.823	
Madras	—	00:51	01:48	6	70	0.693	0.626	
Pune	—	00:52	01:49	2	69	0.936	0.933	
Iran								
Tehran	—	01:36r	01:46	0	64	0.139	0.062	
Japan								
Tokyo	00:56	02:13	03:30	73	152	0.747	0.696	
Korea, South								
Seoul	00:35	01:48	03:06	61	118	0.785	0.745	
Mongolia								
Ulaanbaatar	00:33	01:26	02:23	39	104	0.458	0.352	
Philippines								
Manila	00:33	01:44	03:02	57	75	0.493	0.392	
Singapore								
Singapore	00:41	01:11	01:44	29	68	0.096	0.036	
Sri Lanka								
Colombo	—	00:51	01:42	3	70	0.503	0.401	
Taiwan								
T'aipei	00:23	01:41	03:05	57	91	0.848	0.824	
Thailand								
Bangkok	00:07	01:04	02:09	28	74	0.521	0.422	
United States								
Honolulu, HI	03:21	03:48	04:14	18	285	0.116	0.047	
Vietnam								
Ho Chi Minh	00:17	01:13	02:16	35	73	0.384	0.274	