

Table 5

Local Circumstances for Total Solar Eclipse of 2008 August 01

Country/Region	City	Eclipse Begins hh:mm	Maximum Eclipse hh:mm	Eclipse Ends hh:mm	Sun Alt °	Sun Azm °	Eclipse Magni.	Eclipse Obscur.	Duration Totality
Afghanistan	Kabul	10:16	11:19	12:17	37	267	0.616	0.529	
Armenia	Jerevan	09:46	10:45	11:41	59	230	0.341	0.229	
Austria	Vienna	08:58	09:45	10:32	56	146	0.195	0.102	
Azerbaijan	Baku	09:48	10:51	11:50	55	239	0.428	0.317	
Belarus	Minsk	08:55	09:58	11:01	54	173	0.442	0.333	
Belgium	Brussels	08:39	09:24	10:11	46	126	0.209	0.112	
Canada	Halifax	—	09:03r	09:23	0	64	0.238	0.135	
	Québec	—	09:27r	09:32	0	63	0.069	0.022	
	Saint John's	— r	08:43	09:24	5	68	0.317	0.205	
China	Beijing	10:17	11:10	— s	3	291	0.916	0.901	
	Chengdu	10:33	11:28	— s	6	288	0.913	0.898	
	Chongqing	10:34	11:28	— s	3	289	0.911	0.895	
	Harbin	10:07	10:57	— s	0	296	0.816	0.774	
	Nanjing	10:28	11:01s	—	0	292	0.633	0.548	
	Shanghai	10:28	10:48s	—	0	291	0.391	0.278	
	Shenyang	10:13	11:03s	—	0	295	0.862	0.833	
	Shuicheng	10:39	11:33	— s	3	289	0.850	0.817	
	Tianjin	10:18	11:11	— s	2	292	0.922	0.909	
	Wuhan	10:31	11:16s	—	0	291	0.855	0.823	
	Xi'an	10:27	11:21	— s	4	289	0.999	1.000	
Czech Republic	Praha	08:51	09:41	10:31	53	143	0.236	0.134	
Denmark	Copenhagen	08:38	09:36	10:35	48	143	0.385	0.273	
England	London	08:33	09:18	10:05	43	119	0.218	0.119	
Finland	Helsinki	08:45	09:50	10:55	47	167	0.576	0.483	
France	Paris	08:42	09:21	10:01	46	121	0.143	0.064	
Georgia	Tbilisi	09:41	10:43	11:40	59	228	0.377	0.265	
Germany	Berlin	08:44	09:38	10:33	51	143	0.300	0.190	
Hungary	Budapest	09:03	09:50	10:38	58	153	0.197	0.103	
Iceland	Reykjavík	08:15	09:11	10:09	27	104	0.585	0.493	
India	Bombay	10:57	11:47	12:33	26	281	0.379	0.267	
Iran	Tehran	10:04	11:03	11:58	54	250	0.364	0.252	
Iraq	Baghdad	10:12	11:00	11:45	61	245	0.199	0.104	
Ireland	Dublin	08:25	09:12	10:01	38	113	0.267	0.160	
Kazakhstan	Alma-Ata	10:01	11:06	12:06	33	264	0.840	0.806	
Korea, South	Seoul	10:18	10:39s	—	0	293	0.408	0.295	
Kyrgyzstan	Frunze	10:00	11:05	12:06	34	263	0.808	0.766	
Mongolia	Ulaanbaatar	10:04	11:00	11:53	13	282	0.888	0.867	
Myanmar	Yangon	10:58	11:48	— s	4	288	0.588	0.494	
Netherlands	Amsterdam	08:36	09:25	10:16	46	128	0.257	0.152	
Norway	Oslo	08:33	09:34	10:36	44	143	0.495	0.390	
Pakistan	Lahore	10:25	11:27	12:23	31	273	0.636	0.553	
Poland	Warsaw	08:52	09:50	10:48	54	158	0.345	0.233	
Romania	Bucharest	09:20	10:07	10:54	63	172	0.183	0.093	
Russia	Gorki	09:07	10:16	11:22	50	204	0.653	0.575	
	Kazan	09:13	10:22	11:28	48	214	0.696	0.627	
	Moscow	09:02	10:09	11:15	52	193	0.578	0.485	
	Novosibirsk	09:41	10:45	11:45	30	258	1.038	1.000	02m18s
	Omsk	09:35	10:41	11:44	36	248	0.935	0.927	
	Perm	09:16	10:24	11:30	44	223	0.802	0.759	
	St. Petersburg	08:50	09:56	11:02	48	177	0.607	0.519	
	Volgograd	09:22	10:29	11:32	55	215	0.512	0.409	
England	Glasgow, ST	08:24	09:16	10:10	38	118	0.344	0.231	
Svalbard	Svalbard	08:41	09:43	10:45	29	163	0.939	0.932	
Sweden	Stockholm	08:40	09:42	10:46	47	155	0.513	0.411	
Tajikistan	Dusanbe	10:06	11:11	12:11	38	263	0.674	0.599	
Ukraine	Kiev	09:05	10:07	11:07	57	181	0.386	0.273	
Uzbekistan	Taskent	10:00	11:06	12:06	38	260	0.721	0.657	

All times are Universal Time.

'r' indicates eclipse in progress at sunrise.

's' indicates eclipse in progress at sunset.

Fred Espenak, "Eclipses During 2008," **Observer's Handbook 2008**, Royal Astronomical Society of Canada, University of Toronto Press, Toronto, 2007.