

**Table 7 — Local Circumstances for the Annular Solar Eclipse of 2019 December 26**

Location Name	Eclipse Begins	Maximum Eclipse	Eclipse Ends	Sun Alt	Sun Azm	Eclipse Mag.	Eclipse Obs.
				°	°		
<b>China</b>							
Beijing	12:54	13:48	14:39	23	203	0.151	0.068
Guangzhou (Canton)	12:15	13:51	15:18	39	205	0.441	0.324
Chengdu	11:56	13:14	14:33	36	183	0.286	0.174
Chongqing	12:03	13:24	14:43	37	189	0.302	0.188
Harbin	13:20	14:03	14:44	13	215	0.120	0.048
Hong Kong	12:17	13:55	15:22	39	207	0.462	0.346
Nanjing	12:47	14:02	15:09	28	210	0.290	0.177
Shanghai	12:52	14:09	15:18	27	215	0.321	0.205
Xi'an	12:21	13:30	14:36	31	192	0.221	0.119
Zhengzhou	12:37	13:45	14:48	29	201	0.220	0.119
<b>India</b>							
Bombay	08:04	09:22	10:55	26	129	0.842	0.788
Calcutta	08:27	09:53	11:33	38	149	0.559	0.452
Delhi	08:17	09:31	10:57	24	137	0.553	0.446
Hyderabad	08:08	09:31	11:11	33	134	0.804	0.742
<b>Indonesia</b>							
Jakarta	11:43	13:36	15:23	70	210	0.786	0.722
Surabaya	12:03	13:55	15:34	64	230	0.739	0.664
<b>Iran</b>							
Esfahan	-	07:11	08:22	1	118	0.766	0.694
<b>Japan</b>							
Fukuoka	14:14	15:25	16:28	18	225	0.345	0.228
Osaka	14:23	15:32	16:33	13	229	0.369	0.251
Tokyo	14:28	15:35	-	9	232	0.389	0.270
<b>Malaysia</b>							
Kuala Lumpur	10:20	12:15	14:12	63	181	0.927	0.896
<b>Myanmar</b>							
Rangoon	09:39	11:18	13:08	48	163	0.615	0.517
<b>Nepal</b>							
Kathmandu	08:28	09:46	11:16	31	147	0.479	0.364
<b>Pakistan</b>							
Karachi	07:34	08:46	10:11	17	127	0.772	0.702
<b>Philippines</b>							
Davao	12:45	14:31	15:58	38	233	0.928	0.894
Manila	12:32	14:19	15:48	38	223	0.688	0.603
<b>Saudi Arabia</b>							
Ad-Dammam	-	06:37	07:49	2	117	0.944	0.906
Mecca	-	-	07:39	0	115	0.555	0.447
Riyadh	-	06:35	07:46	0	115	0.925	0.885
<b>Singapore</b>							
Singapore	11:27	13:24	15:18	65	190	02m11	s
<b>Sri Lanka</b>							
Colombo	08:10	09:37	11:22	42	130	0.913	0.876
<b>Thailand</b>							
Bangkok	10:18	12:05	13:58	53	175	0.659	0.568
<b>United Arab Emirates</b>							
Dhabi	-	07:37	08:53	6	119	0.944	0.907

All times listed are in Local Time (Daylight Saving Time where applicable)

"Eclipses During 2019", Fred Espenak,  
*Observer's Handbook 2019*, Royal Astronomical Society of Canada