

**Table 2 - Local Circumstances for the Annular Solar Eclipse of 2012 May 20
For Canada, Mexico and Asia**

Location	Eclipse Begins h m	Max. Eclipse h m	Eclipse Ends h m	Sun Alt °	Sun Azm °	Eclip. Mag.	Eclip. Obs.	Duration of Annularity
Canada								
Calgary, AB	00:04	01:14	02:18	19	280	0.706	0.616	
Edmonton, AB	00:01	01:10	02:13	19	278	0.657	0.560	
Hamilton, ON	00:20	00:41s	— s	0	299	0.297	0.182	
Montréal, QC	00:17	00:23s	— s	0	300	0.086	0.029	
North York, ON	00:19	00:40s	— s	0	299	0.300	0.184	
Ottawa, ON	00:17	00:31s	— s	0	300	0.192	0.096	
Québec, QC	00:15	00:18s	— s	0	301	0.037	0.008	
Regina, SK	00:10	01:15	02:15	12	287	0.655	0.557	
Toronto, ON	00:19	00:40s	— s	0	299	0.292	0.177	
Vancouver, BC	23:59	01:15	02:23	24	274	0.800	0.728	
Victoria, BC	00:00	01:16	02:25	24	274	0.819	0.751	
Winnipeg, MB	00:13	01:14	02:11	8	292	0.615	0.510	
China								
Beijing	21:31	22:33	23:42	17	78	0.670	0.575	
Chengdu	— r	22:22	23:24	3	68	0.736	0.650	
Chongqing	— r	22:20	23:24	4	69	0.776	0.698	
Guangzhou	— r	22:10	23:17	5	70	0.932	0.869	04m26s
Nanjing	21:17	22:21	23:32	15	75	0.831	0.765	
Shanghai	21:15	22:20	23:33	16	76	0.872	0.812	
Xi'an	— r	22:25	23:30	8	71	0.707	0.617	
Hong Kong								
Victoria	— r	22:08	23:16	5	70	0.932	0.869	03m26s
Japan								
Osaka	21:17	22:30	23:54	31	85	0.938	0.881	02m54s
Tokyo	21:19	22:35	00:03	35	89	0.939	0.882	05m04s
Yokohama	21:19	22:34	00:02	35	89	0.939	0.882	05m03s
Mexico								
Guadalajara	00:48	01:24s	— s	0	292	0.485	0.366	
Mexico City	00:48	01:05s	— s	0	292	0.243	0.135	
Monterrey	00:41	01:21s	— s	0	293	0.589	0.481	
Taiwan								
T'aipei	— r	22:11	23:24	13	73	0.934	0.873	01m50s

All times are Universal Time.

'r' indicates eclipse in progress at sunrise.

's' indicates eclipse in progress at sunset.

Fred Espenak, "Eclipse During 2012," **Observer's Handbook 2012**,
Royal Astronomical Society of Canada, University of Toronto Press, Toronto, 2011