

**Table 2 - Local Circumstances for the Annular Solar Eclipse of 2013 May 10**

Location	Eclipse Begins h m	Max. Eclipse h m	Eclipse Ends h m	Sun Alt °	Sun Azm °	Eclip. Mag.	Eclip. Obs.	Duration of Annularity
Australia								
Adelaide	21:39	22:45	23:59	13	57	0.503	0.387	
Alice Springs	— r	22:37	00:01	14	64	0.845	0.785	
Brisbane	21:41	22:58	00:28	30	47	0.518	0.405	
Broome	— r	22:32	23:47	5	70	0.816	0.750	
Canberra	21:50	22:55	00:10	21	48	0.380	0.260	
Darwin	21:28	22:37	23:58	16	68	0.756	0.679	
Geelong	21:50	22:52	00:01	16	51	0.366	0.247	
Hobart	22:06	22:59	23:57	16	46	0.232	0.128	
Launceston	22:02	22:58	23:59	16	47	0.265	0.154	
Melbourne	21:50	22:52	00:02	17	51	0.367	0.248	
Newcastle	21:49	22:58	00:17	25	46	0.404	0.284	
Perth	— r	22:56r	23:45	0	69	0.628	0.526	
Southport	21:42	22:59	00:28	30	46	0.501	0.386	
Sydney	21:50	22:57	00:14	24	46	0.389	0.269	
Tennant Creek	21:25	22:37	00:03	16	64	0.944	0.892	03m01s
Townsville	21:29	22:49	00:27	29	56	0.806	0.740	
Wollongong	21:50	22:57	00:13	23	46	0.380	0.260	
New Zealand								
Auckland	23:06	23:49	00:34	35	8	0.079	0.026	
Hamilton	23:13	23:50	00:29	34	7	0.059	0.017	
Manukau	23:07	23:49	00:33	35	8	0.075	0.024	
Fiji								
Suva	22:31	00:13	01:59	54	356	0.428	0.309	
French Polynesia								
Papeete	00:32	01:56	03:06	21	297	0.458	0.339	
Guam								
Agana	22:17	23:18	00:27	47	79	0.258	0.149	
Papua New Guinea								
Port Moresby	21:31	22:55	00:38	35	60	0.889	0.840	
Indonesia								
Bandung	— r	22:52r	23:27	0	72	0.314	0.198	
Depok	— r	22:55r	23:26	0	72	0.282	0.169	
Jakarta	— r	22:55r	23:25	0	72	0.277	0.165	
Semarang	— r	22:41r	23:29	0	72	0.388	0.268	
Surabaya	— r	22:34	23:31	0	72	0.426	0.306	
Tangerang	— r	22:55r	23:25	0	72	0.272	0.160	
Philippines								
Davao	22:06	22:48	23:33	20	74	0.172	0.082	
Singapore								
Singapore	— r	22:57r	23:10	0	72	0.075	0.024	
United States								
Honolulu, HI	00:23	01:48	03:01	43	275	0.441	0.322	

All times are Universal Time.

'r' indicates eclipse in progress at sunrise.

's' indicates eclipse in progress at sunset.