

**Table 3 - Local Circumstances for the Annular Solar Eclipse of 2012 May 20
For the United States**

Location	Eclipse Begins h m	Max. Eclipse h m	Eclipse Ends h m	Sun Alt °	Sun Azm °	Eclip. Mag.	Eclip. Obs.	Duration of Annularity
United States								
Albuquerque, NM	00:28	01:36	— s	5	291	0.933	0.870	04m26s
Austin, TX	00:35	01:20s	— s	0	294	0.683	0.588	
Birmingham, AL	00:30	00:43s	— s	0	295	0.212	0.111	
Boise, ID	00:12	01:25	02:31	17	282	0.864	0.804	
Buffalo, NY	00:20	00:35s	— s	0	299	0.227	0.123	
Chicago, IL	00:22	01:08s	— s	0	298	0.615	0.510	
Cincinnati, OH	00:24	00:47s	— s	0	297	0.348	0.228	
Dallas, TX	00:32	01:21s	— s	0	295	0.751	0.668	
Denver, CO	00:23	01:30	— s	7	291	0.855	0.792	
Des Moines, IA	00:23	01:24	— s	1	297	0.734	0.648	
Detroit, MI	00:21	00:51s	— s	0	298	0.419	0.298	
El Paso, TX	00:33	01:40	— s	3	292	0.896	0.838	
Eureka, CA	00:10	01:28	02:37	21	279	0.937	0.877	03m59
Flagstaff, AZ	00:27	01:37	— s	9	289	0.929	0.870	
Flint, MI	00:21	00:55s	— s	0	299	0.478	0.359	
Honolulu, HI	00:03	01:12	02:11	52	276	0.181	0.088	
Houston, TX	00:35	01:09s	— s	0	294	0.523	0.408	
Indianapolis, IN	00:24	00:56s	— s	0	297	0.468	0.348	
Jackson, MS	00:31	00:54s	— s	0	295	0.348	0.229	
Kansas City	00:25	01:27	— s	0	297	0.788	0.712	
Lincoln, NE	00:23	01:26	— s	2	295	0.771	0.692	
Little Rock, AR	00:29	01:08s	— s	0	295	0.583	0.474	
Los Angeles, CA	00:25	01:38	02:43	13	286	0.848	0.785	
Louisville, KY	00:25	00:50s	— s	0	297	0.377	0.256	
Lubbock, TX	00:31	01:36	— s	1	294	0.931	0.868	04m13s
Madison, WI	00:21	01:18s	— s	0	299	0.676	0.580	
Medford, OR	00:08	01:26	02:34	21	279	0.936	0.877	02m46s
Memphis, TN	00:29	01:00s	— s	0	295	0.474	0.354	
Milwaukee, WI	00:21	01:12s	— s	0	299	0.644	0.544	
Minneapolis	00:19	01:20	— s	3	296	0.671	0.575	
Nashville, TN	00:27	00:49s	— s	0	296	0.336	0.217	
Oklahoma City	00:29	01:30s	— s	0	296	0.877	0.817	
Omaha, NE	00:23	01:25	— s	2	296	0.757	0.676	
Phoenix, AZ	00:29	01:39	— s	8	289	0.887	0.828	
Portland, OR	00:04	01:21	02:29	22	277	0.873	0.815	
Reno, NV	00:15	01:31	02:37	17	282	0.936	0.875	04m26s
Riverside, CA	00:26	01:38	02:42	13	286	0.853	0.790	
Sacramento, CA	00:15	01:32	02:39	18	282	0.923	0.867	
St. Paul, MN	00:19	01:20	— s	3	296	0.670	0.574	
St. Louis, MO	00:25	01:09s	— s	0	297	0.630	0.527	
Salem, OR	00:05	01:22	02:30	22	277	0.888	0.832	
Salt Lake City, UT	00:19	01:29	02:33	12	286	0.889	0.832	
San Antonio, TX	00:36	01:21s	— s	0	294	0.681	0.586	
San Diego, CA	00:28	01:40	— s	12	287	0.826	0.759	
San Francisco, CA	00:16	01:33	02:40	19	282	0.897	0.842	
San Jose, CA	00:17	01:33	02:40	18	282	0.892	0.836	
Santa Fe, NM	00:28	01:35	— s	5	291	0.932	0.870	03m33s
Seattle, WA	00:02	01:18	02:26	23	276	0.828	0.762	
Springfield, IL	00:24	01:10s	— s	0	297	0.643	0.542	
Toledo, OH	00:22	00:51s	— s	0	298	0.414	0.293	
Topeka, KS	00:25	01:28	— s	1	296	0.797	0.723	
Tulsa, OK	00:28	01:26s	— s	0	296	0.831	0.764	

All times are Universal Time.

's' indicates eclipse in progress at sunset.