

TABLE 15

SOLAR ECLIPSES OF SAROS SERIES 136

First Eclipse: 1360 Jun 14 Duration of Series: 1262.1 yrs.  
 Last Eclipse: 2622 Jul 30 Number of Eclipses: 71  
 Saros Summary: Partial: 15 Annular: 6 Total: 44 Hybrid: 6

Date	Eclipse Type	Gamma	Mag./Width	Durat.	Date	Eclipse Type	Gamma	Mag./Width	Durat.
1360 Jun 14	Pb	-1.5221	0.0505		2081 Sep 03	T	0.3375	247	05m33s
1378 Jun 25	P	-1.4386	0.1987		2099 Sep 14	T	0.3940	241	05m18s
1396 Jul 05	P	-1.3561	0.3460		2117 Sep 26	T	0.4439	233	05m03s
1414 Jul 17	P	-1.2764	0.4892		2135 Oct 07	T	0.4881	224	04m50s
1432 Jul 27	P	-1.2006	0.6258		2153 Oct 17	T	0.5256	214	04m36s
1450 Aug 07	P	-1.1280	0.7570		2171 Oct 29	T	0.5574	203	04m23s
1468 Aug 18	P	-1.0622	0.8762		2189 Nov 08	T	0.5828	192	04m10s
1486 Aug 29	P	-1.0013	0.9865		2207 Nov 20	T	0.6025	180	03m56s
1504 Sep 08	A	-0.9482	83	00m32s	2225 Dec 01	T	0.6176	169	03m43s
1522 Sep 19	A	-0.9006	42	00m23s	2243 Dec 12	T	0.6281	157	03m30s
1540 Sep 30	A	-0.8617	27	00m17s	2261 Dec 22	T	0.6356	147	03m17s
1558 Oct 11	A	-0.8285	18	00m12s	2280 Jan 03	T	0.6410	138	03m04s
1576 Oct 21	A	-0.8028	11	00m08s	2298 Jan 13	T	0.6471	131	02m52s
1594 Nov 12	A	-0.7825	5	00m04s	2316 Jan 25	T	0.6523	126	02m42s
1612 Nov 22	H	-0.7688	1	00m01s	2334 Feb 05	T	0.6599	122	02m33s
1630 Dec 04	H	-0.7581	9	00m07s	2352 Feb 16	T	0.6704	121	02m25s
1648 Dec 14	H	-0.7507	18	00m14s	2370 Feb 27	T	0.6861	121	02m17s
1666 Dec 25	H	-0.7448	30	00m24s	2388 Mar 09	T	0.7061	124	02m10s
1685 Jan 05	H	-0.7407	44	00m35s	2406 Mar 20	T	0.7322	128	02m03s
1703 Jan 17	H2	-0.7342	61	00m50s	2424 Mar 31	T	0.7647	133	01m55s
1721 Jan 27	T	-0.7267	79	01m07s	2442 Apr 11	T	0.8041	141	01m45s
1739 Feb 08	T	-0.7146	99	01m27s	2460 Apr 21	T	0.8498	153	01m34s
1757 Feb 18	T	-0.6998	119	01m51s	2478 May 03	T	0.9029	175	01m20s
1775 Mar 01	T	-0.6781	139	02m20s	2496 May 13	T	0.9616	242	01m02s
1793 Mar 12	T	-0.6523	158	02m51s	2514 May 25	P	1.0267	0.9518	
1811 Mar 24	T	-0.6188	176	03m27s	2532 Jun 05	P	1.0955	0.8237	
1829 Apr 03	T	-0.5801	192	04m05s	2550 Jun 16	P	1.1702	0.6851	
1847 Apr 15	T	-0.5337	206	04m44s	2568 Jun 26	P	1.2465	0.5440	
1865 Apr 25	T	-0.4826	219	05m23s	2586 Jul 07	P	1.3263	0.3969	
1883 May 06	T	-0.4249	229	05m58s	2604 Jul 19	P	1.4054	0.2523	
1901 May 18	T	-0.3625	238	06m29s	2622 Jul 30	Pe	1.4864	0.1053	
1919 May 29	T	-0.2954	244	06m51s					
1937 Jun 08	T	-0.2253	250	07m04s					
1955 Jun 20	T	-0.1528	254	07m08s					
1973 Jun 30	T	-0.0786	256	07m04s					
1991 Jul 11	Tm	-0.0043	258	06m53s					
2009 Jul 22	T	0.0696	258	06m39s					
2027 Aug 02	T	0.1419	258	06m23s					
2045 Aug 12	T	0.2114	256	06m06s					
2063 Aug 24	T	0.2769	252	05m49s					

Eclipse Type: P - Partial Pb - Partial Eclipse (Saros Series Begins)  
 A - Annular Pe - Partial Eclipse (Saros Series Ends)  
 T - Total Tm - Middle eclipse of Saros series.  
 H - Hybrid (Annular/Total) H2 - Hybrid begins total and ends annular.

Note: Mag./Width column gives either the eclipse magnitude (for partial eclipses) or the umbral path width in kilometers (for total and annular eclipses).