

WORLD ATLAS OF CENTRAL SOLAR ECLIPSES – COLOR EDITION

Cat Num	Calendar Date	TD of		Saros Num	Ecl Type	Gamma	Ecl Mag	Lat °	Long °	Sun Alt °	Sun Azim °	Path Width km	Central Line Dur
		Greatest Eclipse	ΔT s										
0001	1502 Apr 07	05:49:58	288	111	T	-0.4275	1.0567	12.6S	105.1E	65	333	205	04m49s
0002	1502 Oct 01	08:36:15	287	116	A	0.4913	0.9277	19.3N	63.2E	60	210	306	08m16s
0003	1503 Mar 27	22:28:19	286	121	T	0.2905	1.0640	21.1N	163.7W	73	150	218	05m04s
0004	1503 Sep 20	08:52:37	285	126	A	-0.2315	0.9494	14.1S	38.9E	77	30	190	05m27s
0005	1504 Sep 08	15:12:13	283	136	A	-0.9487	0.9924	55.3S	102.2W	18	58	83	00m32s
0006	1505 Jul 30	20:51:54	281	108	T	0.9352	1.0635	67.9N	55.3W	20	263	593	03m25s
0007	1506 Jan 24	05:58:05	280	113	A	-0.3978	0.9209	38.3S	106.5E	66	332	325	08m26s
0008	1506 Jul 20	13:46:56	279	118	T	0.2112	1.0623	30.3N	19.4W	78	202	209	05m08s
0009	1507 Jan 13	07:20:08	278	123	A	0.3024	0.9526	3.0S	68.7E	72	162	181	05m42s
0010	1507 Jul 10	03:06:32	278	128	H	-0.5680	1.0095	12.4S	126.4E	55	16	40	01m01s
0011	1508 Jan 02	15:45:07	277	133	A	0.9733	0.9941	52.8N	76.7W	13	157	92	00m28s
0012	1509 May 18	19:49:34	274	110	A	0.6865	0.9539	64.9N	123.9W	46	171	233	03m56s
0013	1509 Nov 12	10:00:13	273	115	H	-0.4337	1.0131	45.8S	23.6E	64	9	50	01m06s
0014	1510 May 08	01:16:14	272	120	H	-0.1030	1.0033	13.5N	161.8E	84	352	12	00m22s
0015	1510 Nov 01	19:13:49	271	125	A	0.2782	0.9607	1.5S	108.3W	74	190	148	04m54s
0016	1511 Apr 27	13:47:23	270	130	T	-0.8425	1.0463	40.0S	14.3W	32	346	286	03m50s
0017	1511 Oct 21	21:19:48	269	135	A+	1.0059	0.9415	70.7N	98.3W	0	223	-	-
0018	1513 Mar 07	11:54:02	267	112	H	0.3421	1.0040	17.6N	1.5W	70	161	15	00m24s
0019	1513 Aug 30	13:35:50	266	117	T	-0.4392	1.0211	19.5S	31.5W	64	18	80	02m03s
0020	1514 Feb 24	18:45:29	265	122	A	-0.3974	0.9479	28.2S	89.7W	66	341	208	05m51s
0021	1514 Aug 20	04:25:14	264	127	T	0.3032	1.0667	26.5N	120.2E	72	197	228	05m38s
0022	1516 Jun 30	01:15:14	260	109	A	-0.8290	0.9899	33.8S	161.7E	34	2	64	01m03s
0023	1516 Dec 23	14:00:49	259	114	T	0.4256	1.0199	2.2N	27.6W	65	181	75	02m05s
0024	1517 Jun 19	05:41:29	258	119	A	-0.0683	0.9552	19.5N	96.4E	86	357	164	05m50s
0025	1517 Dec 13	05:04:11	258	124	T	-0.2520	1.0468	38.2S	103.3E	75	6	161	03m52s
0026	1518 Jun 08	06:15:22	257	129	A	0.6956	0.9496	67.0N	73.7E	46	162	259	04m13s
0027	1518 Dec 02	20:14:56	256	134	T	-0.9365	1.0124	80.4S	129.0E	20	111	125	00m41s
0028	1520 Apr 17	13:36:45	253	111	T	-0.4825	1.0609	12.6S	11.8W	61	335	226	05m15s
0029	1520 Oct 11	16:03:18	252	116	A	0.5277	0.9244	17.8N	49.1W	58	208	329	08m57s
0030	1521 Apr 07	06:26:04	251	121	T	0.2415	1.0662	22.8N	77.6E	76	151	222	05m15s
0031	1521 Sep 30	16:21:41	250	126	A	-0.1893	0.9489	16.3S	73.0W	79	29	191	05m30s
0032	1522 Mar 27	21:22:58	249	131	T	0.9947	1.0076	62.0N	128.0E	4	84	350	00m26s
0033	1522 Sep 19	22:57:31	248	136	A	-0.9012	0.9946	53.9S	146.4E	25	55	42	00m23s
0034	1523 Aug 11	04:33:15	247	108	Tn	0.9968	1.0559	62.7N	135.7W	2	294	-	02m44s
0035	1524 Feb 04	13:45:34	246	113	A	-0.4176	0.9235	35.4S	9.0W	65	330	315	08m05s
0036	1524 Jul 30	21:17:38	245	118	T	0.2797	1.0577	30.8N	129.9W	74	206	198	04m40s
0037	1525 Jan 23	15:31:19	244	123	A	0.2898	0.9569	1.2S	54.5W	73	159	163	04m58s
0038	1525 Jul 20	10:11:02	243	128	H	-0.4947	1.0054	9.3S	19.7E	60	19	22	00m35s
0039	1526 Jan 13	00:22:29	242	133	A	0.9644	0.9985	51.0N	149.1E	15	151	19	00m07s
0040	1527 May 30	02:22:59	239	110	A	0.7687	0.9556	73.4N	144.9E	39	180	255	03m28s
0041	1527 Nov 23	18:36:36	238	115	H	-0.4421	1.0089	48.6S	102.2W	64	3	34	00m45s
0042	1528 May 18	08:21:04	238	120	H	-0.0290	1.0085	19.9N	54.9E	88	356	29	00m56s
0043	1528 Nov 12	03:22:57	237	125	A	0.2653	0.9562	4.9S	128.7E	75	186	166	05m36s
0044	1529 May 07	21:19:48	236	130	T	-0.7760	1.0526	31.3S	132.8W	39	351	276	04m38s
0045	1529 Nov 01	05:04:10	235	135	An	0.9846	0.9119	61.7N	123.1E	9	201	-	08m09s
0046	1531 Mar 18	19:47:20	232	112	H	0.3817	1.0036	24.3N	121.8W	67	161	13	00m21s
0047	1531 Sep 10	21:21:50	231	117	T	-0.4856	1.0208	26.4S	150.7W	61	20	81	01m56s
0048	1532 Mar 07	02:21:38	230	122	A	-0.3625	0.9488	21.8S	154.6E	69	341	201	05m59s
0049	1532 Aug 30	12:17:44	229	127	T	0.2500	1.0654	19.3N	0.3E	75	198	221	05m40s
0050	1533 Aug 20	05:03:59	227	137	T	0.9693	1.0479	73.7N	178.6E	13	257	679	02m40s
0051	1534 Jul 11	08:08:45	226	109	A	-0.9103	0.9833	44.9S	52.8E	24	8	144	01m35s
0052	1535 Jan 03	22:45:48	225	114	T	0.4285	1.0228	3.8N	159.8W	65	176	86	02m22s
0053	1535 Jun 30	12:08:18	224	119	A	-0.1565	0.9533	13.5N	0.4W	81	1	173	06m19s
0054	1535 Dec 24	13:56:56	223	124	T	-0.2483	1.0469	37.5S	27.1W	75	1	161	03m55s
0055	1536 Jun 18	12:43:20	222	129	A	0.6080	0.9523	61.0N	13.1W	52	174	220	04m17s
0056	1536 Dec 13	04:59:19	221	134	T	-0.9344	1.0098	84.5S	17.0W	20	125	97	00m33s
0057	1538 Apr 28	21:17:29	218	111	T	-0.5431	1.0645	13.7S	127.4W	57	338	249	05m39s
0058	1538 Oct 22	23:38:40	217	116	A	0.5571	0.9214	16.6N	163.8W	56	205	351	09m41s
0059	1539 Apr 18	14:15:06	217	121	T	0.1854	1.0680	23.7N	38.4W	79	154	225	05m28s
0060	1539 Oct 12	00:01:44	216	126	A	-0.1551	0.9484	18.7S	172.5E	81	28	192	05m35s