

THOUSAND YEAR CANON OF LUNAR ECLIPSES: 1501 TO 2500

Cat Num	Canon Plate	Calendar Date	ID of		AT	Luna Num	Saros Num	Ecl Type	QSE	Gamma	Pen Mag	Um Mag	Phase			Greatest in Zenith	
			Greatest Eclipse	s									Pen m	Par m	Total m	Lat	Long
1201	101	1993 Nov 29	06:27:06	60	-76	135	T	p-	-0.3994	2.1633	1.0876	354.5	210.8	46.7	21N	99W	
1202	101	1994 May 25	03:31:20	60	-70	140	P	a-	0.8933	1.1941	0.2432	261.3	104.6	-	20S	53W	
1203	101	1994 Nov 18	06:44:54	61	-64	145	N	t-	-1.1048	0.8816	-0.2189	271.7	-	-	18N	105W	
1204	101	1995 Apr 15	12:19:04	61	-59	112	P	-a	-0.9594	1.0836	0.1114	256.4	73.0	-	11S	175E	
1205	101	1995 Oct 08	16:05:12	61	-53	117	N	-t	1.1179	0.8253	-0.2115	247.7	-	-	7N	116E	
1206	101	1996 Apr 04	00:10:47	62	-47	122	T-	-p	-0.2534	2.4068	1.3795	344.8	217.2	85.8	6S	2W	
1207	101	1996 Sep 27	02:55:24	62	-41	127	T	-p	0.3426	2.2188	1.2395	321.0	203.3	69.2	2N	46W	
1208	101	1997 Mar 24	04:40:28	62	-35	132	P	t-	0.4899	1.9994	0.9195	354.0	203.1	-	1S	68W	
1209	101	1997 Sep 16	18:47:42	63	-29	137	T	p-	-0.3768	2.1417	1.1909	308.3	196.5	61.5	3S	77E	
1210	101	1998 Mar 13	04:21:09	63	-23	142	N	t-	1.1964	0.7086	-0.3824	246.4	-	-	4N	62W	
1211	101	1998 Aug 08	02:25:55	63	-18	109	N	-a	1.4876	0.1206	-0.8637	96.5	-	-	15S	35W	
1212	101	1998 Sep 06	11:11:11	63	-17	147	N	a-	-1.1058	0.8122	-0.1544	227.9	-	-	7S	168W	
1213	102	1999 Jan 31	16:18:34	63	-12	114	Nx	-a	-1.0190	1.0027	-0.0258	261.8	-	-	16N	119E	
1214	102	1999 Jul 28	11:34:46	64	-6	119	P	-t	0.7863	1.4342	0.3966	311.0	142.6	-	18S	172W	
1215	102	2000 Jan 21	04:44:35	64	0	124	T	-p	-0.2957	2.3060	1.3246	318.3	203.3	77.0	20N	68W	
1216	102	2000 Jul 16	13:56:39	64	6	129	T+	pp	0.0302	2.8375	1.7684	374.5	236.0	106.4	21S	153E	
1217	102	2001 Jan 09	20:21:40	64	12	134	T	p-	0.3720	2.1618	1.1889	311.2	196.3	61.0	22N	57E	
1218	102	2001 Jul 05	14:56:23	64	18	139	P	t-	-0.7287	1.5476	0.4947	325.2	159.3	-	23S	137E	
1219	102	2001 Dec 30	10:30:22	64	24	144	N	a-	1.0732	0.8933	-0.1155	243.6	-	-	24N	157W	
1220	102	2002 May 26	12:04:27	64	29	111	N	-a	1.1759	0.6893	-0.2888	216.6	-	-	20S	179E	
1221	102	2002 Jun 24	21:28:13	64	30	149	N	a-	-1.4440	0.2095	-0.7925	129.1	-	-	25S	39E	
1222	102	2002 Nov 20	01:47:41	64	35	116	N	-t	-1.1127	0.8600	-0.2264	264.4	-	-	19N	30W	
1223	102	2003 May 16	03:41:13	64	41	121	T	-a	0.4123	2.0747	1.1276	306.6	193.9	51.4	19S	56W	
1224	102	2003 Nov 09	01:19:38	64	47	126	T	-t	-0.4319	2.1139	1.0178	363.3	211.4	22.0	16N	24W	
1225	103	2004 May 04	20:31:17	65	53	131	T	p-	-0.3132	2.2627	1.3035	315.8	203.2	75.5	17S	51E	
1226	103	2004 Oct 28	03:05:11	65	59	136	T	p-	0.2846	2.3637	1.3081	353.9	218.7	80.5	13N	50W	
1227	103	2005 Apr 24	09:55:54	65	65	141	N	h-	-1.0885	0.8651	-0.1435	245.7	-	-	14S	150W	
1228	103	2005 Oct 17	12:04:27	65	71	146	P	a-	0.9796	1.0586	0.0626	259.9	56.0	-	10N	175E	
1229	103	2006 Mar 14	23:48:35	65	76	113	Nx	-t	1.0211	1.0301	-0.0603	287.5	-	-	3N	6E	
1230	103	2006 Sep 07	18:52:25	65	82	118	P	a-	-0.9262	1.1330	0.1838	254.5	91.1	-	7S	77E	
1231	103	2007 Mar 03	23:21:59	65	88	123	T	-p	0.3175	2.3188	1.2328	365.5	221.1	73.4	7N	13E	
1232	103	2007 Aug 28	10:38:27	65	94	128	T-	-p	-0.2146	2.4526	1.4758	327.4	212.2	90.0	10S	159W	
1233	103	2008 Feb 21	03:27:09	66	100	133	T	a-	-0.3992	2.1451	1.1062	339.1	205.5	49.8	10N	48W	
1234	103	2008 Aug 16	21:11:12	66	106	138	P	t-	0.5646	1.8366	0.8076	330.6	188.2	-	13S	43E	
1235	103	2009 Feb 09	14:39:21	66	112	143	N	a-	-1.0640	0.8995	-0.0882	238.9	-	-	14N	144E	
1236	103	2009 Jul 07	09:39:44	66	117	110	N	-t	-1.4916	0.1562	-0.9132	121.5	-	-	24S	143W	
1237	104	2009 Aug 06	00:40:16	66	118	148	N	t-	1.3572	0.4020	-0.6660	189.9	-	-	16S	9W	
1238	104	2009 Dec 31	19:23:46	66	123	115	P	-a	0.9766	1.0556	0.0764	251.1	60.0	-	24N	70E	
1239	104	2010 Jun 26	11:39:34	66	129	120	P	-t	-0.7091	1.5773	0.5368	322.2	162.9	-	24S	174W	
1240	104	2010 Dec 21	08:18:04	66	135	125	T	-p	0.3214	2.2807	1.2561	335.2	208.7	72.3	24N	125W	
1241	104	2011 Jun 15	20:13:43	67	141	130	T+	pp	0.0897	2.6868	1.6999	336.2	219.3	100.2	23S	57E	
1242	104	2011 Dec 10	14:32:57	67	147	135	T	p-	-0.3882	2.1860	1.1061	356.5	212.3	51.1	23N	140E	
1243	104	2012 Jun 04	11:04:20	67	153	140	P	a-	0.8248	1.3183	0.3704	270.1	126.6	-	22S	166W	
1244	104	2012 Nov 28	14:34:07	67	159	145	N	t-	-1.0869	0.9155	-0.1873	276.1	-	-	20N	139E	
1245	104	2013 Apr 25	20:08:37	67	164	112	P	a-	-1.0121	0.9867	0.0148	247.8	27.0	-	14S	57E	
1246	104	2013 May 25	04:11:07	67	165	150	Nb	a-	1.5351	0.0157	-0.9335	33.6	-	-	19S	63W	
1247	104	2013 Oct 18	23:51:25	67	170	117	N	-h	1.1508	0.7649	-0.2718	239.2	-	-	11N	2W	
1248	104	2014 Apr 15	07:46:48	67	176	122	T	-a	-0.3017	2.3182	1.2907	344.0	214.7	77.8	10S	116W	
1249	105	2014 Oct 08	10:55:44	67	182	127	T	-p	0.3827	2.1456	1.1659	318.2	199.5	58.8	6N	167W	
1250	105	2015 Apr 04	12:01:24	68	188	132	T	t-	0.4460	2.0792	1.0008	357.6	209.0	4.7	5S	179W	
1251	105	2015 Sep 28	02:48:17	68	194	137	T	p-	-0.3296	2.2296	1.2764	310.8	199.9	71.9	2N	44W	
1252	105	2016 Mar 23	11:48:22	68	200	142	N	t-	1.1592	0.7748	-0.3118	255.4	-	-	0S	175W	
1253	105	2016 Sep 16	18:55:27	68	206	147	N	a-	-1.0549	0.9080	-0.0635	239.4	-	-	3S	75E	
1254	105	2017 Feb 11	00:45:03	68	211	114	N	-a	-1.0255	0.9884	-0.0354	259.2	-	-	13N	8W	
1255	105	2017 Aug 07	18:21:38	69	217	119	P	-t	0.8669	1.2886	0.2465	301.0	115.3	-	15S	86E	
1256	105	2018 Jan 31	13:31:00	69	223	124	T	-p	-0.3014	2.2941	1.3155	317.3	202.8	76.1	17N	161E	
1257	105	2018 Jul 27	20:22:54	69	229	129	T+	pp	0.1168	2.6792	1.6087	373.9	234.6	103.0	19S	56E	
1258	105	2019 Jan 21	05:13:27	69	235	134	T	p-	0.3684	2.1684	1.1953	311.6	196.8	62.0	20N	75W	
1259	105	2019 Jul 16	21:31:55	69	241	139	P	t-	-0.6430	1.7037	0.6531	333.8	178.0	-	22S	39E	
1260	105	2020 Jan 10	19:11:11	69	247	144	N	a-	1.0727	0.8956	-0.1160	244.7	-	-	23N	74E	

## Key to Lunar Eclipse Figures

