

# ECLIPSES 2010 - 2020

Search Date Range: From Jan 1 2010 To Dec 31 2020

Eclipse Types: All Solar Eclipses, All Lunar Eclipses, and All Saros Numbers

Times reported are exact Lunar Phase (full or new moon)

S/L	Type	Date	Time (UT)	Position	Saros (vdB)	Saros # (J/B)	Gamm	Magnitu (Umbral)	Duration (Min:Sec)	SD Total (Hr:Min)	SD Parti (Hr:Min)
Solar	Annular	Jan 15 2010	7:11:22 am	25° 13' 01" 23"	141	12 North	0.4	0.919	11:08		
Lunar	Partial	Jun 26 2010	11:30:21 am	04° 13' 46" 11"	120		0.709	0.542		0:00	1:22
Solar	Total	Jul 11 2010	7:40:27 pm	19° 32' 23" 49"	146	12 South	-0.679	1.058	5:20		
Lunar	Total	Dec 21 2010	8:13:27 am	29° 11' 20" 45"	125		0.321	1.261		0:37	1:45
Solar	Partial	Jan 4 2011	9:02:36 am	13° 13' 38" 46"	151	13 North	1.063	0.857	0:00		
Solar	Partial	Jun 1 2011	9:02:36 pm	11° 11' 01" 52"	118	13 South	1.213	0.601	0:00		
Lunar	Total	Jun 15 2011	8:13:34 pm	24° 13' 23" 28"	130		0.09	1.705		0:50	1:50
Solar	Partial	Jul 1 2011	8:53:54 am	09° 32' 12" 23"	156	13 South	-1.492	0.097	0:00		
Solar	Partial	Nov 25 2011	6:09:40 am	02° 13' 36" 48"	123	14 North	-1.054	0.905	0:00		
Lunar	Total	Dec 10 2011	2:36:22 pm	18° 11' 10" 42"	135		0.388	1.111		0:26	1:46
Solar	Annular	May 20 2012	11:47:01 pm	00° 11' 20" 30"	128	14 South	0.483	0.944	5:46		
Lunar	Partial	Jun 4 2012	11:11:33 am	14° 13' 13" 58"	140		0.825	0.376		0:00	1:04
Solar	Total	Nov 13 2012	10:07:59 pm	21° 11' 56" 30"	133	15 North	-0.372	1.05	4:02		
Lunar	Appulse	Nov 28 2012	2:45:55 pm	06° 11' 46" 51"	145		1.087	0.183		0:00	0:00
Lunar	Partial	Apr 25 2013	7:57:06 pm	05° 11' 45" 44"	112		1.012	0.021		0:00	0:16
Solar	Annular	May 10 2013	0:28:22 am	19° 13' 31" 26"	138	15 South	-0.269	0.954	6:03		
Lunar	Appulse	May 25 2013	4:24:55 am	04° 13' 08" 05"	150		1.535	0.928		0:00	0:00
Lunar	Appulse	Oct 18 2013	11:37:39 pm	25° 11' 45" 10"	117		1.151	0.267		0:00	0:00
Solar	Hybrid	Nov 3 2013	12:49:56 pm	11° 11' 15" 50"	143	16 North	0.327	1.016	1:40		
Lunar	Total	Apr 15 2014	7:42:16 am	25° 11' 15" 58"	122		0.302	1.296		0:39	1:48
Solar	Annular	Apr 29 2014	6:14:19 am	08° 13' 51" 46"	148	16 South	-1	0.984	0:00		
Lunar	Total	Oct 8 2014	10:50:34 am	15° 11' 05" 03"	127		0.383	1.172		0:30	1:40
Solar	Partial	Oct 23 2014	9:56:37 pm	00° 11' 24" 53"	153	17 North	1.091	0.811	0:00		
Solar	Total	Mar 20 2015	9:36:08 am	29° 11' 27" 19"	120	17 South	0.945	1.045	2:47		
Lunar	Total	Apr 4 2015	12:05:31 pm	14° 11' 24" 09"	132		0.446	1.005		0:06	1:45
Solar	Partial	Sep 13 2015	6:41:13 am	20° 11' 10" 21"	125	18 North	-1.1	0.787	0:00		
Lunar	Total	Sep 28 2015	2:50:27 am	04° 11' 40" 23"	137		0.33	1.282		0:36	1:40
Solar	Total	Mar 9 2016	1:54:26 am	18° 11' 55" 41"	130	18 South	0.261	1.045	4:09		
Lunar	Appulse	Mar 23 2016	12:00:47 pm	03° 11' 17" 14"	142		1.159	0.307		0:00	0:00
Lunar	Appulse	Aug 18 2016	9:26:30 am	25° 11' 51" 41"	109		1.559	0.993		0:00	0:00
Solar	Annular	Sep 1 2016	9:03:02 am	09° 11' 21" 10"	135	19 North	-0.333	0.974	3:06		
Lunar	Appulse	Sep 16 2016	7:05:01 pm	24° 11' 19" 56"	147		1.055	0.058		0:00	0:00
Lunar	Appulse	Feb 11 2017	0:32:48 am	22° 11' 28" 06"	114		1.025	0.03		0:00	0:00
Solar	Annular	Feb 26 2017	2:58:18 pm	08° 11' 12" 06"	140	19 South	-0.458	0.992	0:44		
Lunar	Partial	Aug 7 2017	6:10:32 pm	15° 11' 25" 10"	119		0.867	0.251		0:00	0:58
Solar	Total	Aug 21 2017	6:30:06 pm	28° 11' 52" 56"	145	1 North	0.437	1.031	2:40		
Lunar	Total	Jan 31 2018	1:26:38 pm	11° 11' 37" 03"	124		0.301	1.321		0:38	1:42
Solar	Partial	Feb 15 2018	9:05:07 pm	27° 11' 07" 49"	150	1 South	-1.212	0.599	0:00		
Solar	Partial	Jul 13 2018	2:47:46 am	20° 11' 41" 14"	117	2 North	-1.354	0.337	0:00		
Lunar	Total	Jul 27 2018	8:20:15 pm	04° 11' 44" 53"	129		0.117	1.614		0:52	1:58
Solar	Partial	Aug 11 2018	9:57:38 am	18° 11' 41" 41"	155	2 North	1.148	0.736	0:00		
Solar	Partial	Jan 6 2019	1:28:04 am	15° 11' 25" 02"	122	2 South	1.142	0.715	0:00		
Lunar	Total	Jan 21 2019	5:15:58 am	00° 11' 51" 34"	134		0.369	1.201		0:31	1:39
Solar	Total	Jul 2 2019	7:16:05 pm	10° 11' 37" 33"	127	3 North	-0.646	1.046	4:33		
Lunar	Partial	Jul 16 2019	9:38:05 pm	24° 11' 04" 09"	139		0.643	0.658		0:00	1:29
Solar	Annular	Dec 26 2019	5:12:59 am	04° 11' 06" 51"	132	3 South	0.413	0.97	3:39		
Lunar	Appulse	Jan 10 2020	7:21:10 pm	20° 11' 00" 13"	144		1.073	0.111		0:00	0:00
Lunar	Appulse	Jun 5 2020	7:12:14 pm	15° 11' 34" 02"	111		1.24	0.399		0:00	0:00
Solar	Annular	Jun 21 2020	6:41:18 am	00° 11' 21" 23"	137	4 North	0.121	0.994	0:38		
Lunar	Appulse	Jul 5 2020	4:44:16 am	13° 11' 37" 47"	149		1.364	0.638		0:00	0:00
Lunar	Appulse	Nov 30 2020	9:29:31 am	08° 11' 38" 01"	116		1.131	0.257		0:00	0:00
Solar	Total	Dec 14 2020	4:16:25 pm	23° 11' 08" 14"	142	4 South	-0.294	1.025	2:10		