

# NASA - SKYCAL - Sky Events Calendar

2022

	Date	Local Time	Event		Date	Local Time	Event
Jan	01	Sa 15:00	Moon Perigee: 358000 km		28	Tu 23:08	Moon Apogee: 406600 km
	02	Su 05:35	Moon South Dec.: 26.3° S	Jul	06	We 19:14	First Quarter
	02	Su 10:33	New Moon		09	Sa 10:28	Moon Descending Node
	09	Su 10:11	First Quarter		12	Tu 14:16	Moon South Dec.: 26.9° S
	12	We 20:19	Moon Ascending Node		13	We 02:08	Moon Perigee: 357300 km
	14	Fr 01:27	Moon Apogee: 405800 km		13	We 11:37	Full Moon
	16	Su 02:16	Moon North Dec.: 26.3° N		20	We 07:18	Last Quarter
	17	Mo 15:48	Full Moon		22	Fr 02:21	Moon Ascending Node
	25	Tu 05:41	Last Quarter		26	Tu 02:19	Moon North Dec.: 26.9° N
	26	We 22:14	Moon Descending Node		26	Tu 03:22	Moon Apogee: 406300 km
	29	Sa 15:26	Moon South Dec.: 26.4° S		28	Th 02:26	Delta Aquarid Shower: ZHR = 20
	29	Sa 23:09	Moon Perigee: 362300 km		28	Th 10:55	New Moon
	31	Mo 21:46	New Moon	Aug	05	Fr 04:06	First Quarter
Feb	08	Tu 05:50	First Quarter		05	Fr 13:30	Moon Descending Node
	08	Tu 22:12	Moon Ascending Node		08	Mo 23:36	Moon South Dec.: 27° S
	10	Th 18:39	Moon Apogee: 404900 km		10	We 10:14	Moon Perigee: 359800 km
	12	Sa 08:45	Moon North Dec.: 26.4° N		11	Th 18:36	Full Moon
	16	We 08:57	Full Moon		12	Fr 18:20	Perseid Shower: ZHR = 90
	22	Tu 22:54	Moon Descending Node		18	Th 03:59	Moon Ascending Node
	23	We 14:32	Last Quarter		18	Th 21:36	Last Quarter
	25	Fr 22:37	Moon South Dec.: 26.6° S		22	Mo 08:08	Moon North Dec.: 27.1° N
	26	Sa 14:18	Moon Perigee: 367800 km		22	Mo 14:53	Moon Apogee: 405400 km
Mar	02	We 09:35	New Moon		27	Sa 01:17	New Moon
	08	Tu 00:22	Moon Ascending Node	Sep	01	Th 14:12	Moon Descending Node
	10	Th 02:45	First Quarter		03	Sa 11:08	First Quarter
	10	Th 15:05	Moon Apogee: 404300 km		05	Mo 06:56	Moon South Dec.: 27.2° S
	11	Fr 16:14	Moon North Dec.: 26.7° N		07	We 11:17	Moon Perigee: 364500 km
	18	Fr 00:17	Full Moon		10	Sa 02:59	Full Moon
	22	Tu 01:12	Moon Descending Node		14	We 07:49	Moon Ascending Node
	23	We 16:28	Moon Perigee: 369800 km		17	Sa 14:52	Last Quarter
	24	Th 22:37	Last Quarter		18	Su 15:10	Moon North Dec.: 27.3° N
	25	Fr 04:58	Moon South Dec.: 26.8° S		19	Mo 07:44	Moon Apogee: 404600 km
	31	Th 23:24	New Moon		25	Su 14:54	New Moon
Apr	04	Mo 06:05	Moon Ascending Node		28	We 16:43	Moon Descending Node
	07	Th 12:11	Moon Apogee: 404400 km	Oct	02	Su 12:32	Moon South Dec.: 27.4° S
	08	Fr 01:15	Moon North Dec.: 26.9° N		02	Su 17:14	First Quarter
	08	Fr 23:48	First Quarter		04	Tu 10:01	Moon Perigee: 369300 km

Date	Local Time	Event
16 Sa	11:55	Full Moon
18 Mo	07:01	Moon Descending Node
19 Tu	08:16	Moon Perigee: 365100 km
21 Th	10:41	Moon South Dec.: 26.9° S
22 Fr	11:25	Lyrid Shower: ZHR = 20
23 Sa	04:56	Last Quarter
30 Sa	13:28	New Moon
May 01 Su	12:52	Moon Ascending Node
05 Th	00:40	Eta Aquarid Shower: ZHR = 60
05 Th	05:46	Moon Apogee: 405300 km
05 Th	08:55	Moon North Dec.: 27° N
08 Su	17:21	First Quarter
15 Su	16:44	Moon Descending Node
15 Su	21:14	Full Moon
17 Tu	08:23	Moon Perigee: 360300 km
18 We	18:21	Moon South Dec.: 27° S
22 Su	11:43	Last Quarter
28 Sa	19:33	Moon Ascending Node
30 Mo	04:30	New Moon
Jun 01 We	15:32	Moon North Dec.: 26.9° N
01 We	18:14	Moon Apogee: 406200 km
07 Tu	07:48	First Quarter
12 Su	03:02	Moon Descending Node
14 Tu	04:52	Full Moon
14 Tu	16:21	Moon Perigee: 357400 km
15 We	03:59	Moon South Dec.: 26.9° S
20 Mo	20:11	Last Quarter
25 Sa	00:10	Moon Ascending Node
28 Tu	19:52	New Moon
28 Tu	21:06	Moon North Dec.: 26.9° N

Date	Local Time	Event
09 Su	13:55	Full Moon
11 Tu	14:49	Moon Ascending Node
15 Sa	23:12	Moon North Dec.: 27.5° N
17 Mo	03:21	Moon Apogee: 404300 km
17 Mo	10:15	Last Quarter
25 Tu	03:49	New Moon
25 Tu	23:30	Moon Descending Node
29 Sa	07:48	Moon Perigee: 368300 km
29 Sa	18:04	Moon South Dec.: 27.5° S
31 Mo	22:37	First Quarter
Nov 07 Mo	22:08	Moon Ascending Node
08 Tu	03:02	Full Moon
12 Sa	06:17	Moon North Dec.: 27.5° N
13 Su	22:41	Moon Apogee: 404900 km
16 We	05:27	Last Quarter
22 Tu	08:23	Moon Descending Node
23 We	14:57	New Moon
25 Fr	17:30	Moon Perigee: 362800 km
26 Sa	00:28	Moon South Dec.: 27.5° S
30 We	06:36	First Quarter
Dec 05 Mo	04:38	Moon Ascending Node
07 We	20:08	Full Moon
09 Fr	13:22	Moon North Dec.: 27.4° N
11 Su	16:30	Moon Apogee: 405900 km
16 Fr	00:56	Last Quarter
19 Mo	17:36	Moon Descending Node
23 Fr	02:17	New Moon
23 Fr	10:18	Moon South Dec.: 27.4° S
24 Sa	00:32	Moon Perigee: 358300 km
29 Th	17:20	First Quarter

*All event times are given for UTC-8:00: Pacific Standard Time (PST) **with** Daylight Saving Time (DST) on for part of the year.*

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All SKYCAL astronomical calculations are by Fred Espenak, and he assumes full responsibility for their accuracy. Special thanks to National Space Club summer intern **Sumit Dutta** for his valuable assistance in developing the Sky Events Calendar (July 2007).

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