

LICK OBSERVATORY CALENDAR FOR 2025 -NAUTICAL
(computed for altitude 1283.0 m)

DATE(PST) 2025	SUN SET	TWILIGHT ENDS		MOON RISE	MOON SET	DAWN BEGINS		SUN RISE	NAUTICAL(12 deg) SIDEREAL TIMES			TWILIGHT/DAWN NIGHT (12 deg)			MOON(midnight) Zenith		
		12	18			18	12		TWI	MID	DAWN	LENGTH	DARK		RA	DEC	Dist
									12		12	h	h	%	h m	d m	deg
THU MAY 01	19 02	19 57	20 33		00 11	03 34	04 10	05 05	10 32	14 35	18 46	8.2	4.0	48	0704	2626	90
FRI MAY 02	19 03	19 58	20 35		00 56	03 32	04 08	05 03	10 37	14 39	18 48	8.2	3.2	39	0802	2412	83
SAT MAY 03	19 04	19 59	20 36		01 32	03 31	04 07	05 02	10 42	14 43	18 51	8.1	2.6	31	0856	2022	75
SUN MAY 04	19 05	20 01	20 37		02 01	03 29	04 06	05 01	10 48	14 47	18 54	8.1	2.1	25	0946	1537	69
MON MAY 05	19 06	20 02	20 38		02 26	03 28	04 04	05 00	10 52	14 51	18 56	8.0	1.6	20	1032	1018	64
TUE MAY 06	19 07	20 03	20 40		02 48	03 26	04 03	04 59	10 57	14 55	18 59	8.0	1.3	15	1116	0439	60
WED MAY 07	19 08	20 04	20 41		03 09	03 25	04 02	04 58	11 02	14 59	19 02	8.0	0.9	11	1159-0107		57
THU MAY 08	19 09	20 05	20 42		03 30	03 23	04 01	04 57	11 07	15 03	19 05	7.9	0.5	6	1241-0649		55
FRI MAY 09	19 10	20 06	20 44	16 30	03 53	03 22	04 00	04 56	11 12	15 07	19 08	7.9	0.1	1	1324-1218		55
SAT MAY 10	19 11	20 07	20 45	17 29	04 18	03 21	03 58	04 55	11 17	15 11	19 10	7.8	0.0	0	1409-1722		57
SUN MAY 11	19 12	20 08	20 46	18 29	04 46	03 19	03 57	04 54	11 22	15 15	19 12	7.8	0.0	0	1456-2148		59
MON MAY 12	19 12	20 09	20 48	19 30	05 20	03 18	03 56	04 53	11 27	15 19	19 15	7.8	0.0	0	1546-2525		63
TUE MAY 13	19 13	20 10	20 49	20 31	06 01	03 17	03 55	04 52	11 32	15 23	19 18	7.8	0.4	4	1639-2757		68
WED MAY 14	19 14	20 12	20 50	21 29	06 50	03 15	03 54	04 51	11 38	15 27	19 21	7.7	1.3	16	1734-2913		73
THU MAY 15	19 15	20 13	20 51	22 23	07 46	03 14	03 53	04 50	11 43	15 31	19 24	7.7	2.2	28	1830-2858		79
FRI MAY 16	19 16	20 14	20 53	23 10	08 48	03 13	03 52	04 50	11 48	15 35	19 27	7.6	2.9	38	1926-2720		85
SAT MAY 17	19 17	20 15	20 54	23 51		03 12	03 51	04 49	11 53	15 38	19 30	7.6	3.6	47	2019-2359		>90
SUN MAY 18	19 18	20 16	20 55	00 26		03 10	03 50	04 48	11 58	15 42	19 33	7.6	4.2	55	2114-2019		>90
MON MAY 19	19 19	20 17	20 56	00 56		03 09	03 49	04 47	12 03	15 46	19 36	7.5	4.7	61	2205-1507		>90
TUE MAY 20	19 19	20 18	20 58	01 23		03 08	03 48	04 46	12 08	15 50	19 39	7.5	5.1	67	2255-0906		>90
WED MAY 21	19 20	20 19	20 59	01 49		03 07	03 47	04 46	12 13	15 54	19 42	7.5	5.5	73	2344-0233		>90
THU MAY 22	19 21	20 20	21 00	02 15		03 06	03 46	04 45	12 18	15 58	19 45	7.4	5.9	79	0035 0415		>90
FRI MAY 23	19 22	20 21	21 01	02 44		03 05	03 45	04 44	12 23	16 02	19 48	7.4	6.4	86	0127 1056		>90
SAT MAY 24	19 23	20 22	21 02	03 17	16 57	03 04	03 45	04 44	12 27	16 06	19 52	7.4	6.9	93	0223 1705		>90
SUN MAY 25	19 23	20 23	21 04	03 57	18 16	03 03	03 44	04 43	12 32	16 10	19 55	7.4	7.4	100	0323 2211		>90
MON MAY 26	19 24	20 24	21 05	04 45	19 36	03 02	03 43	04 43	12 37	16 14	19 58	7.3	7.3	100	0426 2547		>90
TUE MAY 27	19 25	20 25	21 06	05 45	20 51	03 01	03 42	04 42	12 42	16 18	20 00	7.3	6.8	94	0532 2730		>90
WED MAY 28	19 26	20 26	21 07	06 53	21 56	03 00	03 42	04 42	12 47	16 22	20 04	7.3	5.8	79	0638 2713		>90
THU MAY 29	19 26	20 27	21 08	08 05	22 48	02 59	03 41	04 41	12 52	16 26	20 07	7.2	4.9	67	0740 2507		>90
FRI MAY 30	19 27	20 27	21 09		23 29	02 59	03 40	04 41	12 56	16 30	20 10	7.2	4.2	57	0837 2133		>90
SAT MAY 31	19 28	20 28	21 10		00 01	02 58	03 40	04 40	13 01	16 34	20 14	7.2	3.7	50	0934 1608		>90

ONE LINE REFERS TO EVENING DATE
AND FOLLOWING MORNING.
All dates and times are zone PST
in upper table (except sid time).

FIRST QUARTER May 04 13:52 UT
FULL MOON May 12 16:58 UT
LAST QUARTER May 20 12:01 UT
NEW MOON May 27 03:03 UT