

**STAR PARTY DATES for 2018**

--- CHANDLER MOUNTAIN SATURDAYS ---

Date	Sun	Moon			Moon		Moon			Civil	Twili ght Naut ical	Astr on.
	Set	Rise			Set		Phase			PM	PM	PM
13-Jan	4:57 PM	4:45	AM	*	2:30	PM	Crescent Waning	[3.7]		5:29	5:59	6:29
10-Feb	5:24	3:31	AM	*	1:10	PM	Crescent Waning	[5.3]		5:54	6:24	6:53
17-Mar	M 6:54	7:44	AM	*	7:11	PM	Crescent Waning	[0.5]		7:23	7:52	8:21
14-Apr	7:15	6:15	AM	*	5:57	PM	Crescent Waning	[2.1]		7:45	8:15	8:46
12- May	7:37	4:46	AM	*	4:41	PM	Crescent Waning	[3.7]		8:08	8:41	9:16
9-Jun	7:55	3:18	AM	*	3:27	PM	Crescent Waning	[5.2]		8:28	9:04	9:42
14-Jul	7:57	7:24	AM		9:30	PM	Crescent Waxing	(1)		8:30	9:04	9:42
11-Aug	7:36	7:18	AM	*	8:04	PM	Crescent Waning	[0.5]		8:06	8:38	9:12
8-Sep	7:01	6:04	AM	*	6:38	PM	Crescent Waning	[2]		7:30	8:00	8:30
6-Oct	6:22	4:55	AM	*	5:14	PM	Crescent Waning	[3.5]		6:51	7:20	7:49
3-Nov	5:50	2:49	AM	*	3:51	PM	Crescent Waning	[4.9]		6:20	6:50	7:19
8-Dec	4:36	7:40	AM		5:58	PM	Crescent Waxing	(0.6)		5:08	5:39	6:09

<b>Twilight Legend:</b>												
Civil =	ends when the center of the Sun is more than 6° below the horizon (the point of civil dusk)											
Nautical =	when the center of the Sun is more than 6° below the horizon but less than 12°											
Astronomical =	when the center of the Sun is more than 12° below the horizon but less than 18°											
<b>Moon Phase Legend:</b>												
Crescent Waxing =	just past new; setting in western sky after sundown											
Gibbous Waxing =	just before full; sets in western sky between midnight and sunrise											
Full =	rises at sunset and transits at midnight											
Gibbous Waning =	just past full; rises in eastern sky after sundown											
Crescent Waning =	just before new; rises in eastern sky before dawn (sets before sundown)											
*	Moon rise time next morning (important on Crescent Waning only, and on Gibbous Waning just before midnight, since third quarter rises at midnight)											
	The cutoff of concern is given by $29.5306 / 4 + 1$ day, since after this point the Moon will rise after midnight (i.e., the next day)											
(#)	number of days after new											
[#]	number of days before new											
Daylight Savings Time (DST) begins March 11 and ends November 4												
During Daylight Savings Time	CDT+5=UT											
During Standard Time	CST+6=UT											