

## STAR PARTY DATES for 2020

--- CHANDLER MOUNTAIN SATURDAYS ---

Date	Sun Set PM	Moon Rise	Moon Set	Moon Phase	Civil PM	Twilight	
						Nautical PM	Astron. PM
25-Jan	5:08	7:29 AM	5:59 PM	Crescent Waxing (0.1)	5:39	6:09	6:39
22-Feb	5:35	6:42 AM *	4:48 PM	Crescent Waning [1.5]	6:04	6:33	7:02
21-Mar M	5:58	6:16 AM *	3:39 PM	Crescent Waning [3]	6:26	6:55	7:25
18-Apr	7:19	4:48 AM *	3:28 PM	Crescent Waning [4.6]	7:49	8:19	8:51
23-May	7:45	6:21 AM	8:50 PM	Crescent Waxing (0.2)	8:18	8:52	9:29
20-Jun	7:59	5:46 AM *	7:39 PM	Crescent Waning [1.2]	8:32	9:08	9:47
18-Jul	7:54	4:28 AM *	6:26 PM	Crescent Waning [2.8]	8:27	9:02	9:39
15-Aug	7:31	3:10 AM *	5:09 PM	Crescent Waning [4.3]	8:01	8:33	9:06
19-Sep	6:45	8:53 AM	7:59 PM	Crescent Waxing (1.8)	7:14	7:43	8:12
17-Oct	6:08	7:39 AM	7:03 PM	Crescent Waxing (0.2)	6:37	7:06	7:35
14-Nov	4:41	6:35 AM *	4:33 PM	Crescent Waning [1.4]	5:12	5:42	6:12
12-Dec	4:37	5:24 AM *	3:05 PM	Crescent Waning [3]	5:09	5:40	6:10

### Twilight Legend:

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°

### Moon Phase Legend:

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 8 and ends November 1

During Daylight Savings Time **CDT+5=UT**

During Standard Time **CST+6=UT**