












# JUNE 2009

*Summer Friday nights  
observing at Downing  
Planetarium & The  
Discovery Center*

★ ★ ★ ★ ★ ★ ★ ★ ★ ★  
Glacier Point Star Party  
(dates TBA)  
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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																													
 <p>Pre-Eclipse Full Moon By Clarence Noell</p>	1	2	3 Tau Herculd meteor shower peaks	4	5 2 PM ~ Venus at western elongation (46°, morning) Scorpid meteor shower peaks ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ CVA Public Star Party at Riverpark ★ ★ ★ ★ ★ ★ ★ ★ ★ ★	6 8 PM ~ Moon occults Antares D-DAY 7:00 PM ~ CVA meeting at CSUF (East Engr 191)																																																																																													
7 11:12 AM  Arietid meteor shower peaks	8	9	10	11	12	13 5 AM ~ Mercury at western elongation (23°, morning) 9 AM ~ Moon near Jupiter & Neptune 1st Ophiuchid meteor shower peaks																																																																																													
14 7 PM ~ Mercury 7.5° from M45 (Pleiades) FLAG DAY	15 3:15 PM 	16 June Lyrid meteor shower peaks	17	18	19 7 AM ~ Venus 2.0° from Mars ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ CVA Courtright Star Party (Friday-Sunday) ★ ★ ★ ★ ★ ★ ★ ★ ★ ★	20 10 PM ~ Venus 2.0° from Mars 10:45 PM ~ Summer Solstice 2nd Ophiuchid meteor shower ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ CVA Star Party at Hensley Lake ★ ★ ★ ★ ★ ★ ★ ★ ★ ★																																																																																													
21 5 PM ~ Mercury 3.2° from Aldebaran FATHERS DAY	22 12:35 PM 	23 Pluto at opposition (30.7 AU)	24 11 PM ~ Moon 3.5° from M44	25	26 ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ Party for the Parkway ★ ★ ★ ★ ★ ★ ★ ★ ★ ★	27																																																																																													
28	29 4:28 AM 	30 June Draconid meteor shower peaks	<p>MAY 2009</p> <table border="1"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>		S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							<p>JULY 2009</p> <table border="1"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr> </table>	S	M	T	W	T	F	S					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		<p>MOON PHASES</p> <ul style="list-style-type: none"> <li> New Moon</li> <li> First Quarter</li> <li> Full Moon</li> <li> Third Quarter</li> </ul>	<p>SUNRISE/SUNSET for SATURDAYS</p> <p>6: 5:40 AM / 8:16 PM 13: 5:40 AM / 8:19 PM 20: 5:40 AM / 8:21 PM 27: 5:42 AM / 8:22 PM</p>
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Dates and times are for the Pacific Time Zone. Some events will not be visible from California.