

July

CAMPERS' SKY CALENDAR

2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
<p><i>The planetarium is closed during July. Call (404) 827-8270 for heavenly events.</i></p>	<p><u>The Planets this month.</u> Mercury: is visible early in the month in the (WNS) (P.M.) sky.</p>	<p>Venus: is about 10 degrees above the (WSW)(P.M.) sky. Look for it during the hours of dusk. Also, see July 7, 2005 below.</p>	<p>Mars: in Pisces rises about midnight. It will be viewed better in the (ESE) before sunrise. Jupiter: 10 degrees high in</p>	<p>the (WSW.) evening sky. It disappears in the west about 11:00 p.m. Saturn: is not visible all month. (Solar conjunction)</p>	<p>1 Deep impact spacecraft is closing on Comet Temple 1. Its smaller impactor will be released for a high speed collision on the 4th.</p>	<p>2 The waning crescent moon is near the Pleiades (Seven Sisters). (5:00 a.m.) Can you see Orion, the Hunter?</p>
<p>3 Check out this site for solar activities this year. (http://son.nasa.gov/).</p>	<p>4 Bang</p>	<p>5 The earth is at aphelion (furthest distance from the sun). (www.kidsastronomy.com/our_sun.htm)</p>	<p>6 New Moon</p>	<p>7 Look for Mercury just below brighter Venus near the western horizon. (9:00 p.m.)</p>	<p>8 The crescent moon is placed above Venus and Mercury. (9:00 P.M.) (W.)</p>	<p>9 <i>How has the moon changed since last night?</i></p>
<p>10 Look for the waxing crescent moon near Regulus in the Leo constellation.</p>	<p>11 Some very unusual exoplanets. www.spacedaily.com/news/extrasolar-05zc.html</p>	<p>12 Space Shuttle Discovery launch window is July 13-31, 2005.</p>	<p>13 That bright object near the moon tonight is Jupiter.</p>	<p>14 First Quarter Moon</p>	<p>15 The bright star high above your head is Vega. Hercules and the Northern Crown are to the West of Vega.</p>	<p>16 <i>Sunrise: 6:38 Sunset: 8:49</i></p>
<p>17 The moon occults the bright star Antares, the heart of Scorpio. (S.) (Midnight) (http://www.occultations.org/)</p>	<p>18 The study of microbes on other orbs is a hot topic in astrobiology. (http://nai.arc.nasa.gov/)</p>	<p>19 Planetarium Scheduling (http://www.apskids.org/teach/planet/star.htm)</p>	<p>20 <i>The sun enters the constellation of Cancer, the Crab. Is this related to the Tropic of Cancer in any way?</i></p>	<p>21 Photograph the closer Full Moon tonight. This thunder moon will bring high tides. So be careful at the beach.</p>	<p>22 Venus sets with the bright star Regulus in Leo this evening. (W.)</p>	<p>23 <i>Sunrise: 6:43 Sunset: 8:45</i></p>
<p>24 <i>Teaching website</i> (http://www.thursdaysclassroom.com/)</p>	<p>25 <i>skycalls</i></p>	<p>26 Look for some meteor shows this week especially on Thursday morning.</p>	<p>27 The Moon is to the upper right of Mars, the Rusty Red Planet. (Pre-dawn hours)</p>	<p>28 Last Quarter Moon</p>	<p>29 Have you checked out (spaceweather.com) yet?</p>	<p>30 <i>Sunrise: 6:48 Sunset: 8:40</i></p>
<p>31</p>						

North Atlanta Planetarium
 (404) 350-3590
 (404) 350-2825
 rgardner@atlanta.k12.ga.us

August 2005

Monthly Highlights: **Venus** and **Jupiter** are close in the west. The best yearly meteor shower occurs on August 12. **Mars** becomes visible in the late evening eastern sky. The **Milky Way** runs high overhead from the North to South. **Planetarium scheduling should be done this month.**

Planetarium website : <http://www.apskids.org/teach/planet/star>.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
<p><i>When you schedule the planetarium by phone, website or fax, please make sure you have received a confirmation from the planetarium before you visit.</i></p>	<p>A planetarium visit can supplement your concept based lessons in many areas such as: the moon; solar system; the sun; space station (ISS); star stories; time; astrobiology; deep space objects; life styles of stars; navigation; map and globe studies; early explorers; space exploration; constellation studies and others.</p>	<p>2 Planetarium Visit Checklist</p> <ul style="list-style-type: none"> • Send in reservation • Receive confirmation • SRT approval • Secure a bus 	<p>3 <u>First Grade Teachers</u> Extend the listening skills of your students with the Planetarium show, <i>Night Sounds</i>.</p>		<p>5 New Moon The next two weeks are always good for evening lunar viewing. The <u>Moon Phase Module</u> is for fourth grade students.</p>	<p>6 <i>Sunrise: 6:53</i> <i>Sunset: 8:34</i></p>
<p>7 The crescent moon at dusk is very close to Venus. Where will it be tomorrow evening at the same time?</p>	<p>8 <u>Have Telescopes Will Travel</u> The planetarium does have a telescope loan program for classroom instruction. Call the planetarium for more details.</p>	<p>9 <i>I hope you have had a restful Summer. Please schedule now for your planetarium visits. You can do that on line at this website. Thank you.</i></p>	<p>10 That bright object close to the moon tonight is Jupiter. <u>An Atlas 5 rocket to carry NASA's Mars Reconnaissance Orbiter into space from Cape Canaveral Air Force Station</u></p>	<p>11 Start looking for the <i>Perseid meteor shower</i>. The waxing moon will have set before the better viewing time of midnight to dawn. So get out the sleeping bags and lawn chairs for more comfortable viewing of these 132,000 mph streakers.</p>	<p>12 <u>Perseids Peak</u> <i>Best viewing is from 2:00 a.m. to dawn. Look high in the northeast for the Perseus constellation. City lights will hamper seeing the 100/hour streaks. Go camping in the country.</i></p>	<p>13 <u>First Quarter Moon</u> <i>Follow-up viewing of the Perseid Meteor Showers. You can still see them this morning. Give it a try.</i></p>
<p>14 NASA plans to replace the three existing Space Shuttles with the Crew Exploration Vehicle (CEV) by 2010. The Shuttles have been flying since 1981.</p>	<p>15 An odd red blemish on Saturn's moon Titan has astronomers scratching their heads.</p>	<p>16 <u>Winter solstice on Mars.</u> <i>Yes, Mars has seasons because it too is tilted in its solar orbit.</i></p>	<p>17</p>	<p>18</p>	<p>19 <i>Full (Green Corn) Moon</i> <i>(High tides again)</i></p>	<p>20 <i>Sunrise: 7:03</i> <i>Sunset: 8:19</i></p>
<p>21</p>	<p>22</p>	<p>23 <i>Space tourism group plans first sub-orbital launch of Altairis in December, 2006. Price/person: \$250,000</i></p>	<p><i>A Russian Soyuz rocket to loft the Progress 19 cargo ship to the International Space Station from Baikonur Cosmodrome</i></p>	<p>25 <i>Just before daybreak, look for Mars close to the moon in the south.</i></p>	<p>26 <u>Last Quarter Moon</u> <i>Can be seen most of the a.m. hours.</i></p>	<p>27 <i>Sunrise: 7:08</i> <i>Sunset: 8:10</i></p>
<p>28</p>	<p>29</p>	<p>30 <i>Have you scheduled your class for a field-trip to the planetarium yet?</i></p>	<p>31 <i>Saturn can be seen just below the moon. Look eastward just before sunrise.</i></p>			