Open Forum Meeting July 21st

The meeting this month will be open forum. Tell everyone about a scope you purchased; a recent trip; new software?

Location:

The meeting will be at the IHOP Restaurant, 2040 Ken Pratt Boulevard, Longmont. Please join us for coffee, dinner, or just desert around 6 pm; the general meeting and presentation will begin at 7 pm.

Upcoming Events

July 20th 7:00 pm – 9:00 pm. LAS monthly meeting will be at the IHOP Restaurant – Open forum and solar eclipse update.

July 21 8:30 – 11 pm. Boulder County Parks and Open Space star party at Rabbit Mountain.

Aug. 19th 9:30 pm. Solar eclipse presentation and star party at Legend Buttes Golf Course, Crawford, NE.

July Solar System Highlights

Moon
Full moon: July 8th 10:08 pm
Third quarter: July 16th 1:27 pm
New moon: July 22nd 3:47 am
First quarter: July 29th 9:24 am

Mercury

Mercury is not visible this month.

Venus

Venus is visible low in the eastern morning sky. It stays around magnitude -4 in brightness and about 16 arc sec across.

Mars

Mars is not visible this month.

Jupiter

Jupiter first becomes visible in the southwest in evening twilight. It is magnitude -2 in brightness and its disk around 36 arc sec across this month. GRS mid transit times below based on GRS longitude of 266°.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Altitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jul 2</td>
<td>9:17pm</td>
<td>33°</td>
</tr>
<tr>
<td>Jul 7</td>
<td>9:07pm</td>
<td>37°</td>
</tr>
<tr>
<td>Jul 9</td>
<td>10:46pm</td>
<td>20°</td>
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<tr>
<td>Jun 8</td>
<td>10:04pm</td>
<td>44°</td>
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<tr>
<td>Jul 14</td>
<td>9:56pm</td>
<td>26°</td>
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<tr>
<td>Jul 19</td>
<td>9:05 pm</td>
<td>31°</td>
</tr>
<tr>
<td>Jul 31</td>
<td>9:04pm</td>
<td>24°</td>
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</tbody>
</table>

Saturn

Saturn is visible in constellation Ophiuchus. It is magnitude 0.2 in brightness and disk is 18 arc sec in apparent size.
**Uranus**

Uranus is visible in the early morning in constellation Pisces. It magnitude 5.8 in brightness and its disk is 3.5 arc across.

**Neptune**

Neptune is in constellation Aquarius and is magnitude 7.8 and brightness and its disk is 2.3 arc seconds across.

**Comets**

*Comet C/2015 V2 (Johnson)* moves from constellation Virgo to Hydra on July 16th and then to Centaurus on the 28th. As the month begins it is magnitude +7.9 in brightness and then dims to magnitude 9.1 by the end of the month. Coma decreases from 12.9 arc minutes to 8.8 minutes.
**C/2015 ER61 (PANSTARRS)** is moving through constellation Aries this month. It dims from magnitude 10.7 in brightness at the beginning of July to magnitude 10.5 at the end of the month. The coma is about 4 arc minutes.

**71P (Clark)** is in constellation Scorpio this month. It dims from magnitude 10.3 early in July to magnitude 11 in brightness as the month ends. Its coma is about 3 arc minutes across.
Overhead Sky at 10 pm July 15

Created with SkyTools3
LAS Meeting Notes

June 16, 2017
by Joe Hudson

1900 hours MDT
2040 Ken Pratt Boulevard
Longmont, Colorado

Vern Raben, president, opens and moderates.

Introductions:
Officers in attendance:
Vern Raben president, Gary Garzone vice president, Tally O’Donnel board, Joe Hudson secretary, Mike Fellows treasurer, and Brian Kimball board.

Visitors:
Lisa from Denver club (to hear Mike and old friends).

Business Meeting
Review of club business and accounts.

1. Upcoming events July 20 meeting open forum and eclipse prep
2. Rabbit Mtn for Bldr County Parks and Open Space July 21 @ 2030 and one following same location in September

Presentation

Mike Hotka Visual Astronomy 101 (Master Observer and then some)
(we would direct the reader to www.mikehotka.com for this material and Mike’s other resources.

John Fitoski gave a short talk about a short recon mission he and his wife took to Fort Robinson and then to Toadstock in Alliance to scope out the grounds and the eclipse viewing area in Alliance.

Bill Tschumi Simulation Curriculum reviewed his work on the Smithsonian Eclipse 2017 available in ~ 1 week, app is IOS and Andriod and a web page

Meeting adjourned

← Image credit: M16 Eagle Nebula by Gary Garzone on Jul 2.
Messier 27 “Dumbbell Nebula”
By Eddie Hunnell on July 1st