NCPR: December 10, 2019

Evening Sky
The dark is racing back in…

<table>
<thead>
<tr>
<th></th>
<th>Winter Extremes</th>
<th>Today</th>
<th>Earliest Sunrise</th>
<th>Winter Solstice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diff. from Today</td>
<td>0:11:17</td>
<td>2:11:17</td>
<td>0:07:57</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>Winter Extremes</th>
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<th>Latest Sunset</th>
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<tbody>
<tr>
<td>Diff. from Today</td>
<td>0:00:00</td>
<td>3:29:33</td>
<td>0:02:47</td>
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Mornings got a little lighter … we’ve had the latest sunrise!
Sunrise was 2 minutes later on 11/3/19 than it will be on 1/3/2020
Earliest sunsets of the year yesterday and today!

Evening Sky: Waxing Gibbous Moon .. Full at 12:12 on 12:12 am EST
If you’re into numerology, Thursday is your day!!

Venus rising
Passing Saturn TODAY ... 2° separation, setting 2 hours after sunset
Venus will be bright all winter!!

Jupiter still bright in Sagittarius
In south southwest setting ½ hour after sunset ... < 10° above horizon

Saturn in Sagittarius ... 17° East of Jupiter ... Jupiter catching up!
In south southeast at sunset, 20° above horizon

Orion is back! The hunter rises by 7:30 pm!
Sirius rises by 9 pm ... don’t let it startle you! It’s bright!!

Morning Sky
Mars near Zubenelgenubi in Libra
Rises 3 hours before sunrise (at 4:32am)
23° above SE horizon at sunrise (7:26 am)

Mercury popped up & is sinking (farthest from the sun on 11/28)
11° above SE horizon at sunrise, 18° E (below and left) of Mars
Planet gathering tightest tomorrow ... not really a big deal and the sun separates them. All 5 naked-eye planets and the sun within 65° along the ecliptic ... Libra to Sagittarius

**Comet C/2019 Q4 Borisov !!**
- Confirmed as interstellar visitor, passed closest to sun (2 AU) on 12/8
- Closest to Earth on 12/28 ... maybe we'll learn something, unspectacular so far.
- Looks just like a regular solar system comet
- Its orbit tells us it's not from our solar system ... 98,500 mph ... too fast to stay!