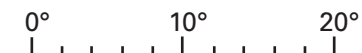


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An aid to enjoying the changing sky

Use this scale to measure angular distances between objects on diagrams below.



Evening Planets: Jupiter is easily visible all month long. Look for Jupiter in the west to WNW after sunset. On April 1, Jupiter sets about three hours after sunset. By the end of April, Jupiter sets about one hour after sunset. Jupiter passes 0.5° south of **Uranus** on April 20. But the pair will be close to the horizon, making it a challenge to see Uranus in the eyepiece of the telescope. **Mercury** disappears from view in the first few days of the month.

Morning Planets: Saturn and Mars are both close to the east-southeast horizon at dawn. Both planets are shining at just +1 magnitude. Binoculars will help in spotting the pair. Mars passes 0.5° north of Saturn on April 10. Saturn climbs higher into the morning sky faster than Mars but not by much. By the end of April, Saturn rises two hours before the Sun while Mars rises an hour and a half before sunrise.

The **astronomical highlight of this month and this year is the Total Solar Eclipse on April 8**. While all of the contiguous USA will be able to see a partial eclipse, only viewers in the path of totality will see the spectacular Total Solar Eclipse. We urge you to **travel into the path** to see one of nature's most amazing sights. Some of the cities in the path include: **Dallas 1:43 p.m. CDT, Indianapolis 3:08 p.m. EDT, Cleveland 3:15 p.m. EDT, Buffalo 3:20 p.m. EDT.**

The next total solar eclipse to touch a US state will be in 2033 in northwest Alaska. Then in 2044, parts of Montana and North Dakota see a total eclipse. The next total eclipse to cover a large populated part of the USA will be in 2045. As with any solar eclipse, proper eye safety equipment will be needed during the partial phases.

Comet Pons-Brooks 6° upper left of Moon on Apr. 9, and 3° below Jupiter on Apr. 13. Use binoculars.

Sat. Apr. 20: In its 71-year orbit, Comet Pons-Brooks at perihelion, 0.78 AU from Sun, but sets in twilight.

Planetarium business office:
(517) 355-4676
<http://abramsplanetarium.org/>

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<p>Uranus + Jupiter *</p> <p>Mercury fades quickly this week. On what day can you last spot it?</p> <p>Mercury</p> <p>W</p> <p>Mon Apr 1, 40 minutes after sunset</p>	<p>TERRITORY OF DOGS</p> <p>TEAPOT</p> <p>S'most Moon</p> <p>Mon 1</p> <p>Tues 2</p> <p>SAGITTARIUS</p> <p>Wed 3</p> <p>SSE</p>	<p>Apr 1-3, one hour before sunrise</p> <p>Mon Apr 1 Last Quarter Moon 11:15 p.m. EDT</p> <p>Sunday Apr 7 Moon at perigee 2 p.m. EDT 222,979 miles</p> <p>Mon Apr 8 New Moon 2:21 p.m. EDT</p> <p>SCORPION'S TAIL</p>	<p>Wed Apr 3, 40 minutes before sunrise</p> <p>Sa-Ma 5.0°</p> <p>AQUARIUS</p> <p>Mars *</p> <p>Saturn *</p> <p>ESE</p>	<p>Fri-Apr 5, 40 minutes before sunrise</p> <p>AQUARIUS</p> <p>Sa-Ma 3.6°</p> <p>Mars *</p> <p>Saturn *</p> <p>ESE</p> <p>Delta Cap</p> <p>Moon</p>	<p>Sat Apr 6, 40 minutes before sunrise</p> <p>AQUARIUS</p> <p>Sa-Ma 3.0°</p> <p>Saturn *</p> <p>Mars *</p> <p>Moon</p> <p>ESE</p>	<p>Sat Apr 13, 40 minutes before sunrise</p> <p>AQUARIUS</p> <p>Sa-Ma 1.8°</p> <p>Saturn *</p> <p>Mars *</p> <p>ESE</p>
<p>Mon Apr 8, Total Solar Eclipse!</p>	<p>All 50 states will see a partial eclipse of the sun.</p> <p>The last total solar eclipse to cross the USA was in 2017. The next total solar eclipse to cross the USA coast to coast will be August 12, 2045.</p> <p>The width of the path ranges from 124 miles in Mexico to 101 miles in Newfoundland.</p>	<p>Jupiter *</p> <p>mag -2.0 30° E of Sun</p> <p>Alpha</p> <p>CETUS</p> <p>PISCES</p> <p>Saturn and Mars are 1.5° apart at mag +1.1 and +1.2 and are 35°-36° W of Sun.</p> <p>Hamal</p> <p>ARIES</p> <p>Mercury</p> <p>Eclipsed Sun</p> <p>Venus</p> <p>mag -3.8 15° W of Sun</p>	<p>Mon Apr 8, at Totality</p> <p>Tues Apr 9, 40 minutes before sunrise</p> <p>AQUARIUS</p> <p>Sa-Ma 1.0°</p> <p>Mars *</p> <p>Saturn *</p> <p>ESE</p>	<p>Wed Apr 10, 40 minutes before sunrise</p> <p>AQUARIUS</p> <p>Sa-Ma 0.5° min dist</p> <p>Mars *</p> <p>Saturn *</p> <p>ESE</p>	<p>Thurs Apr 11, 40 minutes before sunrise</p> <p>AQUARIUS</p> <p>Sa-Ma 0.6°</p> <p>Mars *</p> <p>Saturn *</p> <p>ESE</p>	<p>Fri Apr 12, 40 minutes before sunrise</p> <p>AQUARIUS</p> <p>Sa-Ma 1.1°</p> <p>Mars *</p> <p>Saturn *</p> <p>ESE</p>
<p>Pollux •</p> <p>Castor</p> <p>Sunday 14</p> <p>GEMINI</p> <p>Sat 13</p> <p>N'most Moon</p> <p>AURIGA</p> <p>Capella</p> <p>Beta Tauri</p> <p>THE KIDS</p> <p>Betelgeuse</p> <p>Zeta Tauri</p> <p>ORION</p> <p>Orion's belt</p> <p>Aldebaran •</p> <p>Taurus</p> <p>Thurs 11</p>	<p>Apr 11-14, one hour after sunset</p> <p>Apr 15-18, one hour after sunset</p> <p>Mon 15</p> <p>Tues 16</p> <p>Wed 17</p> <p>Thurs 18</p> <p>LEO</p> <p>SICKLE</p> <p>Regulus</p> <p>Procyon</p> <p>Canis Minor</p> <p>Beehive Cluster</p>	<p>Apr 21-23, one hour after sunset</p> <p>Sunday 21</p> <p>Mon 22</p> <p>Tues 23</p> <p>VIRGO</p> <p>Spica</p> <p>ESE</p> <p>SE</p>	<p>Mon Apr 22 <i>Earth Day</i></p> <p>Tues Apr 23 Full Moon 7:49 p.m. EDT</p> <p>S'most Moon</p> <p>Sunday 28</p> <p>Sat 27</p> <p>Antares</p> <p>Delta Sco</p> <p>Gamma Sgr</p> <p>SCORPION'S TAIL</p> <p>SSW</p>	<p>Thurs Apr 18, 40 minutes before sunrise</p> <p>AQUARIUS</p> <p>Sa-Ma 5.1°</p> <p>Mars *</p> <p>Saturn *</p> <p>ESE</p> <p>Fri Apr 19 Moon at apogee 10 p.m. EDT 252,042 miles</p> <p>Thurs 25</p> <p>Wed 24</p> <p>Alpha Lib</p> <p>SW</p>	<p>Aldebaran</p> <p>Hyades</p> <p>Pleiades</p> <p>TAURUS</p> <p>Uranus</p> <p>Ju-Ur 1.8°</p> <p>Jupiter</p> <p>Delta Ari</p> <p>ARIES</p> <p>Hamal</p> <p>WNW</p> <p>Young Moon</p> <p>W</p> <p>Mon Apr 29, 40 minutes before sunrise</p> <p>AQUARIUS</p> <p>Saturn *</p> <p>Ma-Sa 9.8°</p> <p>Ma-Ne 2.8°</p> <p>ESE</p> <p>Beta Lib</p> <p>LIBRA</p>	<p>Apr 19-20, one hour after sunset</p> <p>LEO</p> <p>Denebola</p> <p>Sat 20</p> <p>VIRGO</p> <p>Fri 19</p> <p>Apr 22-28, one hour before sunrise</p> <p>Tues 23</p> <p>VIRGO</p> <p>Spica</p> <p>Mon 22</p> <p>WNW</p> <p>Tues Apr 30, 40 minutes after sunset</p> <p>Aldebaran</p> <p>Pleiades</p> <p>Hyades</p> <p>Jupiter *</p>

John S. French, Robert C. Victor
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