May Sky 2024 at night

Notes from the

Smoky Mountain Astronomical Society aka the SMAS

Remember the Zodiac?

Aries

Taurus

Gemini

Cancer

Leo

Virgo

Libra

Scorpio

(Ophiuchus)

Sagittarius

Capricorn

Aquarius

Pisces

How Do We Remember the Zodiac?

The Ramble Twins Crab Liverish; Scaly Scorpions Are Good Water Fish.

Aries Libra

Taurus Scorpio

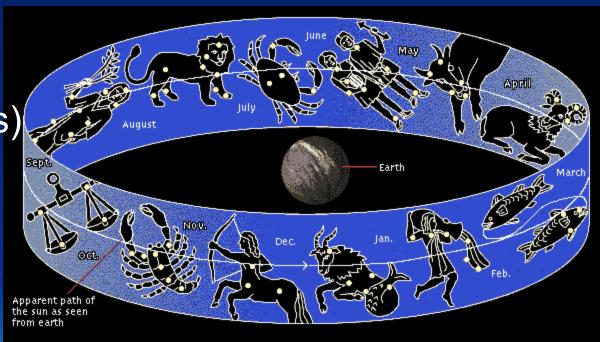
Gemini (Ophiuchus)

Cancer Sagittarius

Leo Capricorn

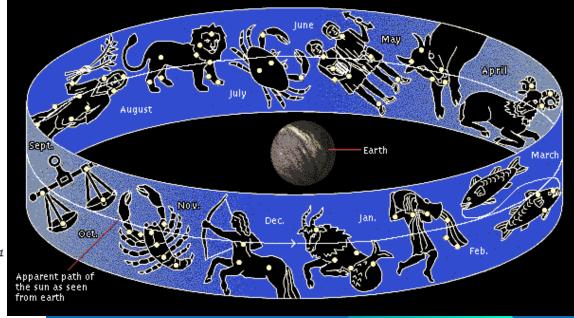
Virgo Aquarius

Pisces



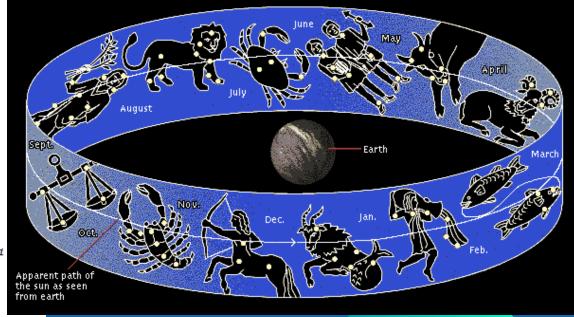
Dates of the Zodiac?

- March 21-April 19
- Taurus (Bull): April 20–May 20
- Gemini (Twins): May 21–June 21
- Cancer (Crab): June 22–July 22
- <u>Leo</u> (Lion): July 23-August 22
- Virgo (Virgin): August 23-September 22
- Libra (Balance): September 23-October 23
- Scorpius (Scorpion): October 24-November 21
- Sagittarius (Archer): November 22-December 21
- Lapricornus (Goat): December 22-January 19
- Aquarius (Water Bearer): January 20—February 18
- **Pisces** (Fish): February 19–March 20

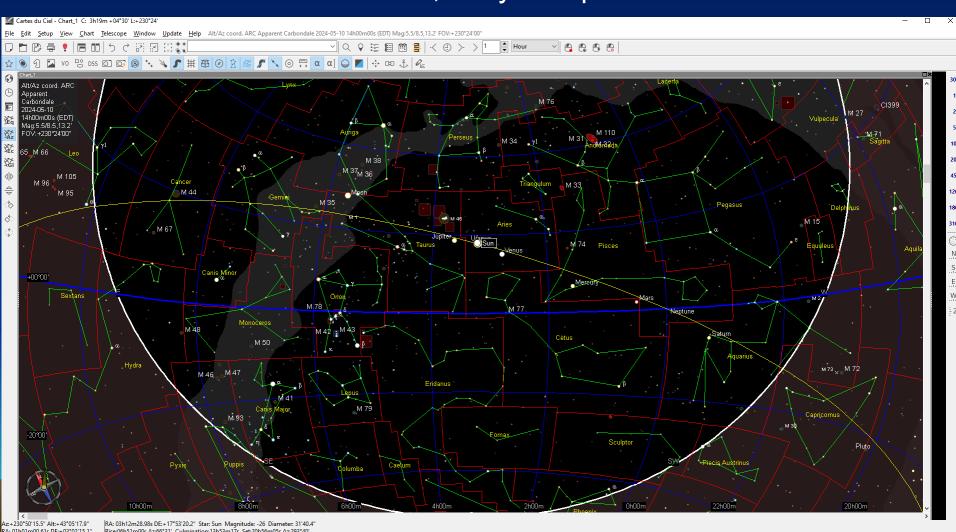


May Sun is in Zodiac Where?

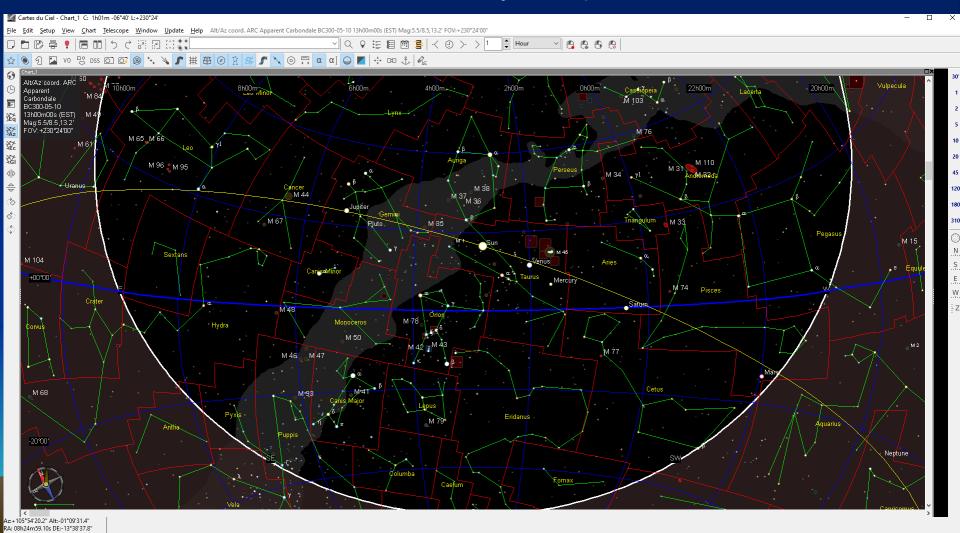
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20240412 Dates of the Zodiac! Sun is in Taurus? NO.



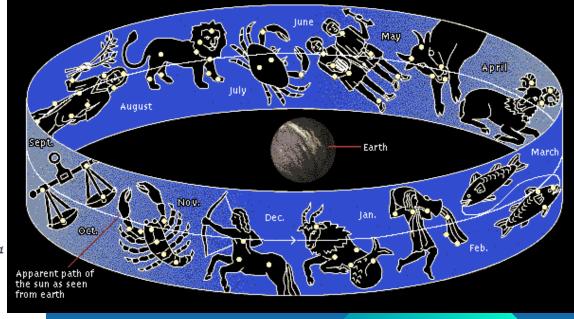
300 BCE Dates of the Zodiac! Sun is in Taurus



Reflect Just How Bad Astrology Is.

Not only can Astrologers not predict the future they CANNOT predict the present!

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Sun in Taurus, What is Night Sky? At Sunset? At Midnight?

The Ramble Twins Crab Liverish; Scaly Scorpions Are Good Water Fish.

Aries Libra

Taurus Scorpio

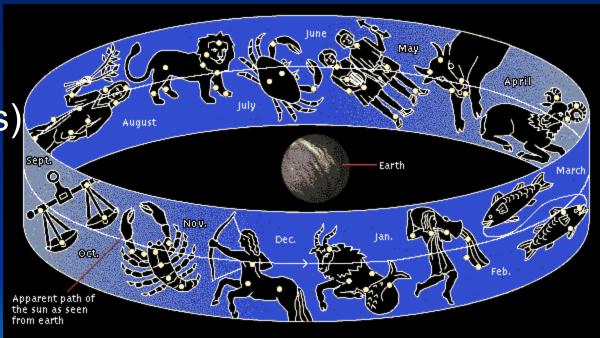
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Cancer Sagittarius

Leo Capricorn

Virgo Aquarius

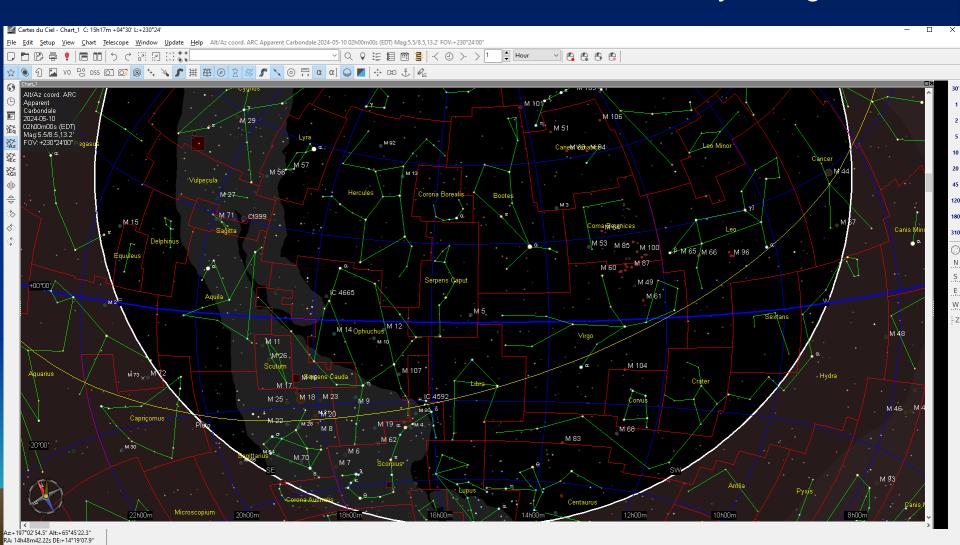
Pisces



At Midnight (about 2 AM)

Libra is high in the sky.

Late Spring full moon way below the celestial equator.
Note Corona Borealis overhead. Milk Way Rising.

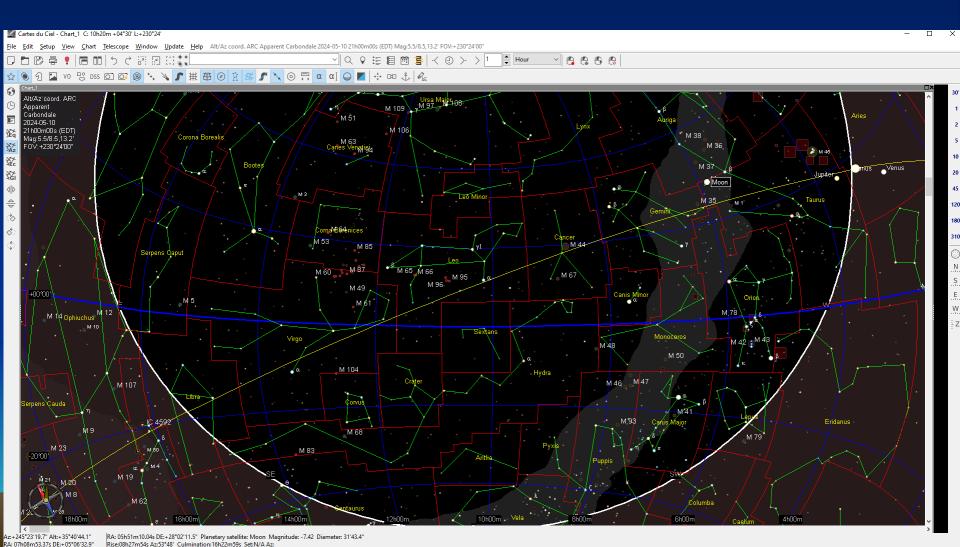


At Sunset

Leo is high in the sky. Moon again near M35.

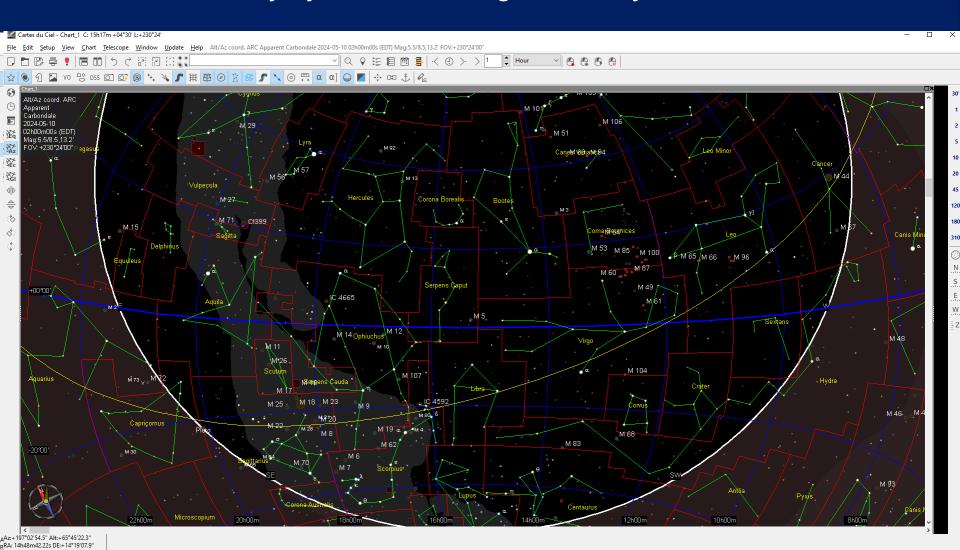
Orion and Jupiter lost in the west.

A bit of Libra in the east.



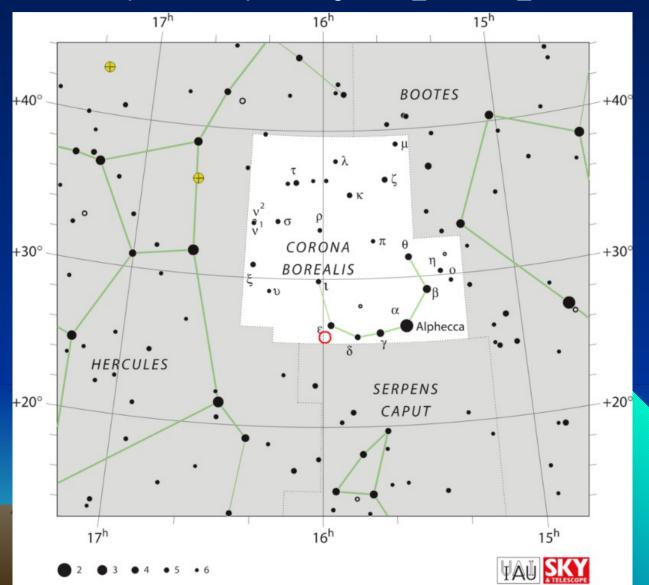
Midnight at Corona Borealis.

A predicted nova for 2024, T CrB is a binary system, meaning a solar system with two stars



Location of T CrB

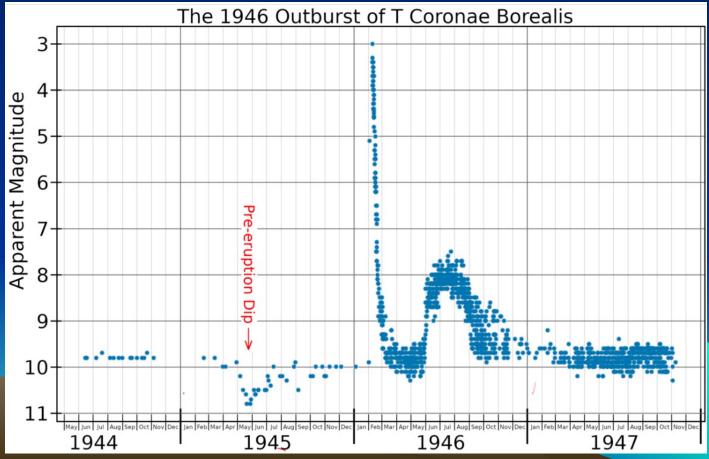
From: https://en.wikipedia.org/wiki/T_Coronae_Borealis



From Wikipedia

T Coronae Borealis (T CrB), nicknamed the Blaze star, is a recurrent nova in the constellation Corona Borealis.[11] It was first discovered in outburst in 1866 by John Birmingham,[12] although it had been observed earlier as a 10th magnitude star.[13] It may have been observed in 1217 and in 1787 as well.[14][15] It is expected to undergo an outburst again in





From AAVSO.ORG

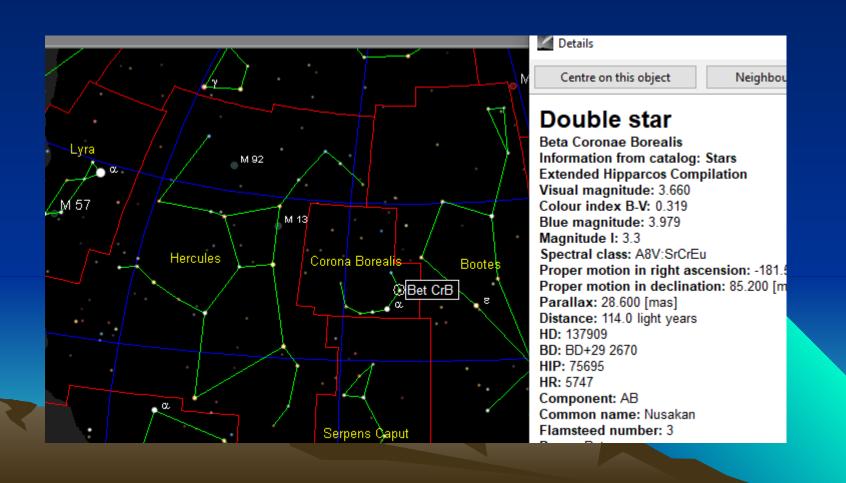
See: aavso.org/news/t-crb-pre-eruption-dip



T Coronae Borealis (T CrB) is a famous recurrent nova with known eruptions in the years 1217, 1787, 1866, and 1946. Many workers have realized that the rise in brightness from its low state (1954.5 to 2015.0) to its high state (2015.0 to the present) is a precursor and harbinger for an upcoming eruption around 2025.5±1.3 or so (Munari et al. 2016; Schaefer 2023). A distinct and under-appreciated close-up harbinger is the unique and mysterious Pre-eruption Dip (Schaefer 2023). The Dip in 1945-1946 started around 1945.0 (1.1±0.3 years before the 1946 eruption), with the B-band magnitude fading from near 10.5 to 12.0 mag, while the V-band magnitude faded from around 9.8 to 12.3 mag. This fading ended abruptly with the nova eruption.

From Cartes du Ciel

If T Coronae Borealis (T CrB), reaches third magnitude, it will be brighter than all but the alpha star in the crown. The second brightest star is magnitude 3.66. (Alpha CrB is magnitude 2.2)



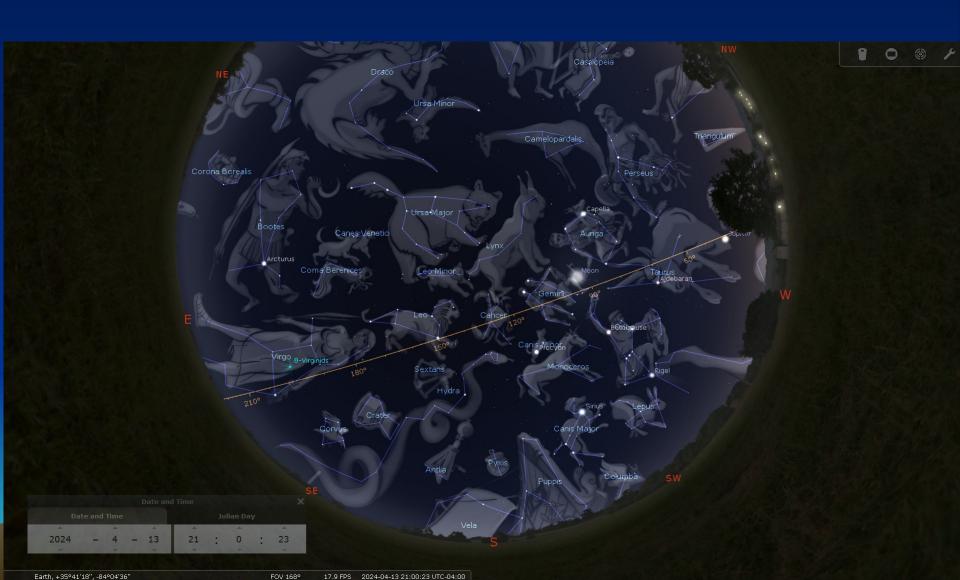
Night Sky in Stellarium

Free at: https://stellarium.org/



Stellarium

With Art Work!



Stellarium

Babylonian, Mul.Apin Art Work!



Babylonian, Mul.Apin Art Work! Note Corona Borealis becomes Asterism of Dignity Virgo becomes furrow with wheat Corvus is a Raven



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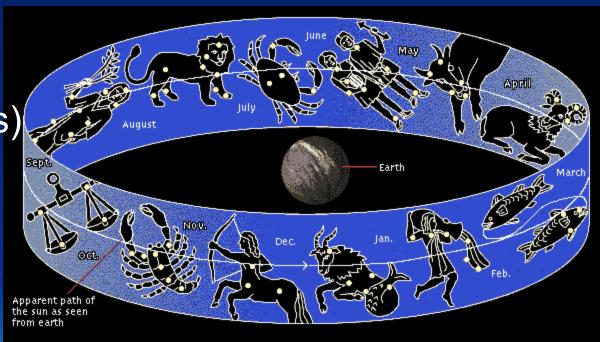
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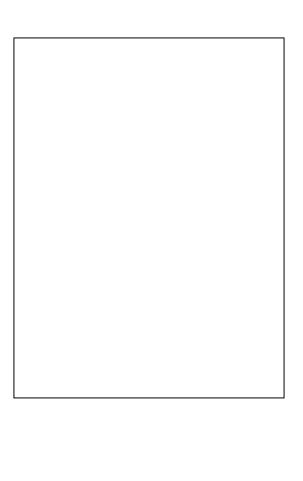
Review

- Sunset, Lion is high.
- Finally the milky way at midnight (2 AM).
- Watch for a "new" star or jewel in the crown.

Most Accurate Horoscope

Unless you go out to look,...

Aries	The stars and planets will not affect your life in any way.
Taurus	The stars and planets will not affect your life in any way.
Gemini	The stars and planets will not affect your life in any way.
Cancer	The stars and planets will not affect your life in any way.
Leo	The stars and planets will not affect your life in any way.
Virgo	The stars and planets will not affect your life in any way.
Líbra	The stars and planets will not affect your life in any way.
Scorpio	The stars and planets will not affect your life in any way.
Sagittarius	The stars and planets will not affect your life in any way.
Capricorn	The stars and planets will not affect your life in any way.
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The sun crossing from the south of the celestial equator to the north is the beginning of spring and marked the new year in antiquity.

In antiquity the sun crossing is called the first point of Aires. Why?



In 300 BC the sun did cross the celestial equator in Aries.





Review.

Any questions?
Have I confused anyone?



So get out and look!