

Sky this Month

March 2025

By David Mills

MOON

NEW MOON

Moon

- The New Moon is on March 29th at 6:58 a.m.
- This month's New Moon is called the New Pink Moon
- March 29th is also a partial solar eclipse at 5:30 AM
- Peterborough too far west to see it.

Moon



Type: **moon**
Magnitude: **6.07**
Absolute Magnitude: 50.75
RA/Dec (J2000.0): 0h33m3.76s/+3°41'58.0"
RA/Dec (on date): 0h34m21.64s/+3°50'19.6"
Hour angle/DE: 17h39m54.14s/+3°50'19.6"
Az/Alt: +83°44'40.8"/-0°54'15.3"
Ecliptic longitude/latitude (J2000.0): +9°02'58.9"/+0°07'19.7"
Ecliptic longitude/latitude (on date): +9°24'07.9"/+0°07'24.2"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +114°02'32.4"/-58°51'17.2"
Mean Sidereal Time: 18h14m15.7s
Apparent Sidereal Time: 18h14m15.8s
Distance: 0.002398AU (358733.413 km)
Apparent diameter: +0°33'17.9"
Sidereal period: 27.32 days (0.075 a)
Sidereal day: 655h43m11.5s
Mean solar day: 708h44m2.8s
Phase Angle: +179°35'10"
Elongation: +0°24'46"
Phase: 0.00
Illuminated: 0.0%

Mercury



E

Date and Time ✕

Date and Time			Julian Day						
2025	/	3	/	29	6	:	59	:	7

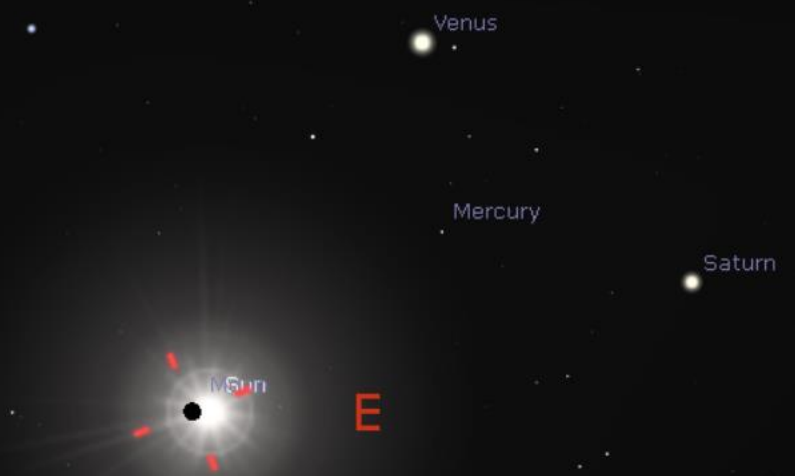
Moon

- The New Moon is on March 29th at 6:58 a.m.
- The planets Venus, Saturn and Mercury are just west of the sun.



Moon

Type: **moon**
 Magnitude: **5.67**
 Absolute Magnitude: 50.35
 RA/Dec (J2000.0): 0h33m16.16s/+3°43'39.7"
 RA/Dec (on date): 0h34m34.04s/+3°52'01.3"
 Hour angle/DE: 17h45m8.25s/+3°52'01.3"
 Az/Alt: +84°38'21.6"/+0°02'50.7"
 Ecliptic longitude/latitude (J2000.0): +9°06'29.6"/+0°07'40.2"
 Ecliptic longitude/latitude (on date): +9°27'38.6"/+0°07'44.7"
 Ecliptic obliquity (on date): +23°26'10"
 Galactic longitude/latitude: +114°08'54.8"/-58°50'01.9"
 Mean Sidereal Time: 18h19m42.3s
 Apparent Sidereal Time: 18h19m42.3s
 Distance: 0.002397AU (358622.036 km)
 Apparent diameter: +0°33'16.6"
 Sidereal period: 27.32 days (0.075 a)
 Sidereal day: 655h43m11.5s
 Mean solar day: 708h44m2.8s
 Phase Angle: +179°31'55"
 Elongation: +0°28'01"
 Phase: 0.00
 Illuminated: 0.0%



Date and Time [X]

Date and Time			Julian Day		
2025	/	3	/	29	7 : 4 : 32

FULL MOON

Moon

- The full Moon is on March 14th, at 6:55 AM. right before moonset.
- This month's Full Moon is called the Worm Moon.
- Moonrise on is at 6:50 PM on March 13th.



Moon

Type: **moon**
 Magnitude: **-12.18** (extincted to: **-7.85**)
 Absolute Magnitude: 32.25
 RA/Dec (J2000.0): 11h25m20.94s/+4°07'34.4"
 RA/Dec (on date): 11h26m38.76s/+3°59'16.9"
 Hour angle/DE: 17h44m58.90s/+4°20'12.2" (apparent)
 Az/Alt: +84°16'36.1"/+0°20'54.3" (apparent)
 Ecliptic longitude/latitude (J2000.0): +170°25'05.3"/+0°21'31.1"
 Ecliptic longitude/latitude (on date): +170°46'11.6"/+0°21'33.6"
 Ecliptic obliquity (on date): +23°26'10"
 Galactic longitude/latitude: -102°36'36.6"/+59°09'34.2"
 Mean Sidereal Time: 5h10m12.0s
 Apparent Sidereal Time: 5h10m12.1s
 Distance: 0.002678AU (400697.360 km)
 Apparent diameter: +0°29'48.7"
 Sidereal period: 27.32 days (0.075 a)
 Sidereal day: 655h43m11.5s
 Mean solar day: 708h44m2.8s
 Phase Angle: +2°51'32"
 Elongation: +177°08'00"
 Phase: 1.00
 Illuminated: 99.9%



Date and Time ×

Date and Time				Julian Day					
2025	/	3	/	13	18	:	56	:	10

Moon

- The full Moon is on March 14th, at 6:55 AM. right before moonset.
- This month's Full Moon is called the Worm Moon.



Moon

Type: **moon**
 Magnitude: **-12.18** (extincted to: **-11.09**)
 Absolute Magnitude: 32.25
 RA/Dec (J2000.0): 11h41m31.62s/+1°13'55.9"
 RA/Dec (on date): 11h42m49.11s/+1°05'33.6"
 Hour angle/DE: 5h28m44.04s/+1°11'08.8" (apparent)
 Az/Alt: +265°22'24.6"/+6°25'01.9" (apparent)
 Ecliptic longitude/latitude (J2000.0): +175°16'21.2"/-0°42'15.2"
 Ecliptic longitude/latitude (on date): +175°37'27.2"/-0°42'14.5"
 Ecliptic obliquity (on date): +23°26'10"
 Galactic longitude/latitude: -92°54'34.7"/+59°08'58.8"
 Mean Sidereal Time: 17h11m55.8s
 Apparent Sidereal Time: 17h11m55.9s
 Distance: 0.002681AU (401121.870 km)
 Apparent diameter: +0°29'46.8"
 Sidereal period: 27.32 days (0.075 a)
 Sidereal day: 655h43m11.5s
 Mean solar day: 708h44m2.8s
 Phase Angle: +1°39'42"
 Elongation: +178°20'02"
 Phase: 1.00 (Full Moon)
 Illuminated: 100.0%



Moon

W

Date and Time ✕

Date and Time				Julian Day					
2025	/	3	/	14	6	:	55	:	56

BLOOD MOON ECLIPSE

Blood Moon Total Lunar Eclipse

- On March 14th, at midnight marks the start of a 6-hour total lunar eclipse.
- The penumbral or outer shadow phase last over 1 hour. Visually there is not much difference in lunar brightness.
- There will a yellowing of the Moon just before the Umbral Stage.

Moon

Type: **moon**
Magnitude: **-12.20** (extincted to: **-12.02**)
Absolute Magnitude: 32.25
RA/Dec (J2000.0): 11h32m42.40s/+2°55'45.0"
RA/Dec (on date): 11h34m0.05s/+2°47'3.9"
Hour angle/DE: 22h42m45.08s/+2°48'22.2" (apparent)
Az/Alt: +152°04'41.4"/+45°08'15.2" (apparent)
Ecliptic longitude/latitude (J2000.0): +172°34'37.8"/-0°01'03.7"
Ecliptic longitude/latitude (on date): +172°55'44.0"/-0°01'02.0"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: -98°20'15.2"/+59°20'18.9"
Mean Sidereal Time: 10h16m43.7s
Apparent Sidereal Time: 10h16m43.8s
Distance: 0.002652AU (396690.384 km)
Apparent diameter: +0°30'06.8"
Sidereal period: 27.32 days (0.075 a)
Sidereal day: 655h43m11.5s
Mean solar day: 708h44m2.8s
Phase Angle: +0°53'44"
Elongation: +179°06'07"
Phase: 1.00 (Full Moon)
Illuminated: 100.0%



Zavijava

Date and Time ✕

Date and Time			Julian Day		
2025	/	3 / 14	0	:	1 : 52

Blood Moon Total Lunar Eclipse

- On March 14th, at midnight marks the start of a 6-hour total lunar eclipse.
- The Umbral stage starts at 1:09 AM and lasts 3 hours.

Moon

Type: **moon**
Magnitude: **-12.13** (extincted to: **-11.95**)
Absolute Magnitude: 32.33
RA/Dec (J2000.0): 11h34m9.28s/+2°36'56.3"
RA/Dec (on date): 11h35m26.90s/+2°28'35.8"
Hour angle/DE: 23h58m55.68s/+2°29'29.6" (apparent)
Az/Alt: +179°35'54.1"/+48°11'26.7" (apparent)
Ecliptic longitude/latitude (J2000.0): +173°01'59.8"/-0°09'47.1"
Ecliptic longitude/latitude (on date): +173°23'06.0"/-0°09'45.6"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: -97°24'12.6"/+59°17'38.4"
Mean Sidereal Time: 11h34m22.5s
Apparent Sidereal Time: 11h34m22.5s
Distance: 0.002651AU (396582.786 km)
Apparent diameter: +0°30'07.3"
Sidereal period: 27.32 days (0.075 a)
Sidereal day: 655h43m11.5s
Mean solar day: 708h44m2.8s
Phase Angle: +0°31'16"
Elongation: +179°28'39"
Phase: 1.00 (Full Moon)
Illuminated: 100.0%



Moon



Leo

Date and Time

Date and Time			Julian Day		
2025	/	3 / 14	1	:	19 : 18

Blood Moon Total Lunar Eclipse

- On March 14th, at midnight marks the start of a 6-hour total lunar eclipse.
- Full eclipse starts at 2:26 AM and lasts 1 hour.
- From 3:30 AM to 4:30 AM is the reverse partial Umbral Stage
- Moon exits Earth's Penumbra shadow at 6:00 AM.



Moon

Type: **moon**
 Magnitude: **-5.50** (extincted to: **-5.32**)
 Absolute Magnitude: 38.96
 RA/Dec (J2000.0): 11h35m25.00s/+2°20'17.5"
 RA/Dec (on date): 11h36m42.59s/+2°11'56.7"
 Hour angle/DE: 1h05m38.65s/+2°12'53.2" (apparent)
 Az/Alt: +203°44'36.9"/+45°28'49.7" (apparent)
 Ecliptic longitude/latitude (J2000.0): +173°25'57.0"/-0°17'35.9"
 Ecliptic longitude/latitude (on date): +173°47'03.1"/-0°17'34.5"
 Ecliptic obliquity (on date): +23°26'10"
 Galactic longitude/latitude: -96°35'13.1"/+59°14'47.7"
 Mean Sidereal Time: 12h42m22.3s
 Apparent Sidereal Time: 12h42m22.4s
 Distance: 0.002653AU (396892.944 km)
 Apparent diameter: +0°30'05.8"
 Sidereal period: 27.32 days (0.075 a)
 Sidereal day: 655h43m11.5s
 Mean solar day: 708h44m2.8s
 Phase Angle: +0°19'38"
 Elongation: +179°40'18"
 Phase: 1.00 (**Full Moon**)
 Illuminated: 100.0%

Zavijava



Date and Time ✕

Date and Time				Julian Day					
2025	/	3	/	14	2	:	27	:	6

MERCURY

Mercury

- On March 1st, Mercury, the Moon and Venus share a wide triple conjunction in the western sky at sunset.
- Mercury is low on the western horizon at sunset

Mercury

Type: planet
Magnitude: **-0.11** (extincted to: **0.92**)
Absolute Magnitude: 31.27
RA/Dec (J2000.0): 23h50m14.73s/-0°34'25.0"
RA/Dec (on date): 23h51m32.06s/-0°26'01.9"
Hour angle/DE: 5h20m40.84s/-0°20'40.4" (apparent)
Az/Alt: +262°51'12.7"/+6°46'32.5" (apparent)
Ecliptic longitude/latitude (J2000.0): +357°32'03.7"/+0°26'36.4"
Ecliptic longitude/latitude (on date): +357°53'08.0"/+0°26'36.5"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +91°27'12.8"/-59°39'07.9"
Mean Sidereal Time: 5h12m34.4s
Apparent Sidereal Time: 5h12m34.5s
Distance: 1.089AU (162.954 Mio km)
Apparent diameter: +0°00'06.2"
Sidereal period: 87.97 days (0.241 a)
Sidereal day: 1407h30m33.8s
Mean solar day: 4222h27m52.5s
Phase Angle: +63°34'37"
Elongation: +16°14'47"
Phase: 0.72
Illuminated: 72.2%



Date and Time

Date and Time				Julian Day					
2025	/	3	/	1	18	:	45	:	43

Mercury

- On March 1st, Mercury sets at 9:25 p.m. in the western sky.



Mercury

Type: planet

Magnitude: **-0.11** (extincted to: **4.58**)

Absolute Magnitude: 31.28

RA/Dec (J2000.0): 23h50m23.69s/-0°33'03.1"

RA/Dec (on date): 23h51m41.02s/-0°24'40.0"

Hour angle/DE: 5h59m2.86s/-0°02'13.1" (apparent)

Az/Alt: +269°48'26.0"/+0°08'40.5" (apparent)

Ecliptic longitude/latitude (J2000.0): +357°34'39.6"/+0°26'58.1"

Ecliptic longitude/latitude (on date): +357°55'43.9"/+0°26'58.3"

Ecliptic obliquity (on date): +23°26'10"

Galactic longitude/latitude: +91°32'23.8"/-59°38'57.7"

Mean Sidereal Time: 5h52m15.8s

Apparent Sidereal Time: 5h52m15.9s

Distance: 1.089AU (162.849 Mio km)

Apparent diameter: +0°00'06.2"

Sidereal period: 87.97 days (0.241 a)

Sidereal day: 1407h30m33.8s

Mean solar day: 4222h27m52.5s

Phase Angle: +63°42'16"

Elongation: +16°15'44"

Phase: 0.72

Illuminated: 72.2%

Neptune



Date and Time ✕

Date and Time				Julian Day					
2025	/	3	/	1	19	:	25	:	18

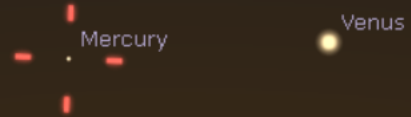
Mercury

- On March 13th, Mercury and Venus share a close conjunction at sunset.
- Both planets are low in the west at evening twilight.

Mercury



Type: planet
Magnitude: 1.80 (extincted to: 2.87)
Absolute Magnitude: 33.95
RA/Dec (J2000.0): 0h28m43.21s/+6°23'29.5"
RA/Dec (on date): 0h30m1.04s/+6°31'51.1"
Hour angle/DE: 5h49m13.24s/+6°37'17.9" (apparent)
Az/Alt: +272°52'46.5"/+6°32'37.3" (apparent)
Ecliptic longitude/latitude (J2000.0): +9°07'03.6"/+3°01'20.9"
Ecliptic longitude/latitude (on date): +9°28'08.7"/+3°01'25.4"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +112°47'37.5"/-56°01'56.6"
Mean Sidereal Time: 6h19m36.9s
Apparent Sidereal Time: 6h19m37.0s
Distance: 0.768AU (114.883 Mio km)
Apparent diameter: +0°00'08.8"
Sidereal period: 87.97 days (0.241 a)
Sidereal day: 1407h30m33.8s
Mean solar day: 4222h27m52.5s
Phase Angle: +124°12'23"
Elongation: +16°05'12"
Phase: 0.22
Illuminated: 21.9%



W

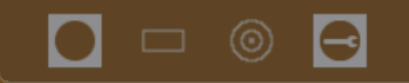
Date and Time

Date and Time				Julian Day					
2025	/	3	/	13	20	:	5	:	24

Mercury

- On March 19th, Mercury slowly gets lost in the solar glare at sunset.
- By March 20th, the planet is right on the horizon at twilight.

Mercury



Type: **planet**
Magnitude: **4.02** (extincted to: **7.57**)
Absolute Magnitude: 36.52
RA/Dec (J2000.0): 0h22m53.49s/+6°19'15.3"
RA/Dec (on date): 0h24m11.31s/+6°27'38.7"
Hour angle/DE: 6h21m28.51s/+6°45'02.2" (apparent)
Az/Alt: +278°34'16.8"/+0°53'37.4" (apparent)
Ecliptic longitude/latitude (J2000.0): +7°45'27.4"/+3°31'51.5"
Ecliptic longitude/latitude (on date): +8°06'33.7"/+3°31'55.5"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +110°13'35.5"/-55°50'42.2"
Mean Sidereal Time: 6h46m50.9s
Apparent Sidereal Time: 6h46m50.9s
Distance: 0.653AU (97.753 Mio km)
Apparent diameter: +0°00'10.3"
Sidereal period: 87.97 days (0.241 a)
Sidereal day: 1407h30m33.8s
Mean solar day: 4222h27m52.5s
Phase Angle: +154°16'39"
Elongation: +9°10'33"
Phase: 0.05
Illuminated: 5.0%



Date and Time [X]

Date and Time				Julian Day					
2025	/	3	/	19	20	:	8	:	58

VENUS

Venus

- On March 1st, Venus, The Moon and Mercury share a wide conjunction at sunset in the western twilight sky.

Venus



Type: planet
Magnitude: **-4.55** (extincted to: **-4.18**)
Absolute Magnitude: 29.38
RA/Dec (J2000.0): 0h27m34.74s/+10°27'48.3"
RA/Dec (on date): 0h28m52.70s/+10°36'09.5"
Hour angle/DE: 4h49m21.20s/+10°38'01.3" (apparent)
Az/Alt: +265°20'55.6"/+20°00'58.6" (apparent)
Ecliptic longitude/latitude (J2000.0): +10°28'40.0"/+6°52'21.8"
Ecliptic longitude/latitude (on date): +10°49'41.9"/+6°52'26.8"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +113°23'06.2"/-51°57'55.9"
Mean Sidereal Time: 5h18m21.8s
Apparent Sidereal Time: 5h18m21.9s
Distance: 0.337AU (50.461 Mio km)
Apparent diameter: +0°00'49.5"
Sidereal period: 224.70 days (0.615 a)
Sidereal day: 5832h28m47.1s
Mean solar day: 2802h0m52.2s
Phase Angle: +136°33'23"
Elongation: +29°54'32"
Phase: 0.14
Illuminated: 13.7%



Moon

Mercury

W

Date and Time ✕

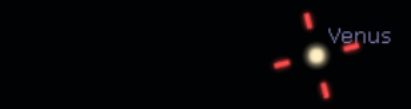
Date and Time				Julian Day					
2025	/	3	/	1	18	:	51	:	29

Venus

- On March 1st, Venus and the young Moon set together at 8:19 p.m. in the western sky.

Venus

Type: planet
Magnitude: -4.55 (extincted to: -3.81)
Absolute Magnitude: 29.38
RA/Dec (J2000.0): 0h27m34.03s/+10°28'09.5"
RA/Dec (on date): 0h28m52.00s/+10°36'30.8"
Hour angle/DE: 5h47m4.10s/+10°40'18.7" (apparent)
Az/Alt: +275°27'45.7"/+9°43'46.7" (apparent)
Ecliptic longitude/latitude (J2000.0): +10°28'38.9"/+6°52'45.5"
Ecliptic longitude/latitude (on date): +10°49'40.8"/+6°52'50.5"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +113°22'54.7"/-51°57'33.3"
Mean Sidereal Time: 6h16m12.3s
Apparent Sidereal Time: 6h16m12.4s
Distance: 0.337AU (50.432 Mio km)
Apparent diameter: +0°00'49.5"
Sidereal period: 224.70 days (0.615 a)
Sidereal day: 5832h28m47.1s
Mean solar day: 2802h0m52.2s
Phase Angle: +136°37'06"
Elongation: +29°52'15"
Phase: 0.14
Illuminated: 13.7%



Moon

W

Date and Time

Date and Time		Julian Day	
2025	/ 3 / 1	19	: 49 : 10

Venus

- On March 13th, Venus and Mercury share a close conjunction in the western sky at sunset.

Venus



Type: planet
Magnitude: -4.28 (extincted to: -3.35)
Absolute Magnitude: 29.97
RA/Dec (J2000.0): 0h14m11.31s/+10°41'35.9"
RA/Dec (on date): 0h15m29.02s/+10°50'00.0"
Hour angle/DE: 5h59m43.98s/+10°54'44.6" (apparent)
Az/Alt: +277°48'37.3"/+7°38'41.9" (apparent)
Ecliptic longitude/latitude (J2000.0): +7°31'36.7"/+8°23'54.7"
Ecliptic longitude/latitude (on date): +7°52'39.8"/+8°23'58.6"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +108°15'35.1"/-51°06'51.1"
Mean Sidereal Time: 6h15m33.1s
Apparent Sidereal Time: 6h15m33.2s
Distance: 0.291AU (43.604 Mio km)
Apparent diameter: +0°00'57.3"
Sidereal period: 224.70 days (0.615 a)
Sidereal day: 5832h28m47.1s
Mean solar day: 2802h0m52.2s
Phase Angle: +156°55'58"
Elongation: +16°28'15"
Phase: 0.04
Illuminated: 4.0%



W

Date and Time ✕

Date and Time				Julian Day					
2025	/	3	/	13	20	:	1	:	20

Venus

- On March 20th, Venus gets lost in the solar glare at sunset.



Venus

Type: **planet**
 Magnitude: **-4.07** (extincted to: **-0.33**)
 Absolute Magnitude: 30.26
 RA/Dec (J2000.0): 23h59m28.26s/+9°13'55.9"
 RA/Dec (on date): 0h00m45.67s/+9°22'21.0"
 Hour angle/DE: 6h34m3.58s/+9°40'45.8" (apparent)
 Az/Alt: +282°50'37.2"/+0°44'34.7" (apparent)
 Ecliptic longitude/latitude (J2000.0): +3°34'42.5"/+8°31'01.3"
 Ecliptic longitude/latitude (on date): +3°55'47.0"/+8°31'03.7"
 Ecliptic obliquity (on date): +23°26'10"
 Galactic longitude/latitude: +102°02'24.1"/-51°31'09.2"
 Mean Sidereal Time: 6h36m4.0s
 Apparent Sidereal Time: 6h36m4.0s
 Distance: 0.281AU (42.038 Mio km)
 Apparent diameter: +0°00'59.4"
 Sidereal period: 224.70 days (0.615 a)
 Sidereal day: 5832h28m47.1s
 Mean solar day: 2802h0m52.2s
 Phase Angle: +167°18'45"
 Elongation: +9°08'06"
 Phase: 0.01
 Illuminated: 1.2%



Venus

W

Date and Time ✕

Date and Time				Julian Day					
2025	/	3	/	20	19	:	54	:	17

Venus

- On March 26th, Venus reappears in the morning sky.
- Venus rises at 6:19 AM in the eastern sky.

Venus



Type: **planet**
Magnitude: **-4.08** (extincted to: **-0.77**)
Absolute Magnitude: 30.23
RA/Dec (J2000.0): 23h47m48.94s/+7°29'28.3"
RA/Dec (on date): 23h49m6.17s/+7°37'52.5"
Hour angle/DE: 17h35m7.01s/+7°54'10.2" (apparent)
Az/Alt: +80°00'52.7"/+1°06'03.0" (apparent)
Ecliptic longitude/latitude (J2000.0): +0°12'13.6"/+8°04'51.6"
Ecliptic longitude/latitude (on date): +0°33'18.7"/+8°04'52.7"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +96°40'30.1"/-52°06'25.8"
Mean Sidereal Time: 17h23m6.5s
Apparent Sidereal Time: 17h23m6.6s
Distance: 0.283AU (42.294 Mio km)
Apparent diameter: +0°00'59.0"
Sidereal period: 224.70 days (0.615 a)
Sidereal day: 5832h28m47.1s
Mean solar day: 2802h0m52.2s
Phase Angle: +166°27'00"
Elongation: +9°44'35"
Phase: 0.01
Illuminated: 1.4%



E

Date and Time ✕

Date and Time				Julian Day					
2025	/	3	/	26	6	:	19	:	54

Venus

- On March 31st, Venus rises at 5:55 AM in the eastern predawn sky.

Venus



Type: planet
Magnitude: **-4.21** (extincted to: **-0.38**)
Absolute Magnitude: 30.03
RA/Dec (J2000.0): 23h38m59.38s/+5°42'49.9"
RA/Dec (on date): 23h40m16.63s/+5°51'12.9"
Hour angle/DE: 17h39m35.63s/+6°09'56.1" (apparent)
Az/Alt: +82°01'55.0"/+0°40'21.5" (apparent)
Ecliptic longitude/latitude (J2000.0): +357°27'32.2"/+7°19'47.0"
Ecliptic longitude/latitude (on date): +357°48'38.9"/+7°19'47.2"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +92°10'38.0"/-52°46'37.7"
Mean Sidereal Time: 17h18m35.7s
Apparent Sidereal Time: 17h18m35.8s
Distance: 0.292AU (43.654 Mio km)
Apparent diameter: +0°00'57.2"
Sidereal period: 224.70 days (0.615 a)
Sidereal day: 5832h28m47.1s
Mean solar day: 2802h0m52.2s
Phase Angle: +158°58'40"
Elongation: +15°00'28"
Phase: 0.03
Illuminated: 3.3%



Date and Time [X]

Date and Time				Julian Day					
2025	/	3	/	31	5	:	55	:	44

MARS

Mars

- On March 1st, Mars is high in the eastern sky at sunset.

Mars

Type: planet
Magnitude: **-0.26** (extincted to: **-0.11**)
Absolute Magnitude: 31.61
RA/Dec (J2000.0): 7h15m7.98s/+25°51'22.0"
RA/Dec (on date): 7h16m40.78s/+25°48'47.3"
Hour angle/DE: 21h47m42.56s/+25°49'13.5" (apparent)
Az/Alt: +113°38'55.6"/+57°34'15.2" (apparent)
Ecliptic longitude/latitude (J2000.0): +106°52'33.3"/+3°30'38.1"
Ecliptic longitude/latitude (on date): +107°13'38.2"/+3°30'58.3"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: -168°11'25.5"/+16°21'02.7"
Mean Sidereal Time: 5h4m21.2s
Apparent Sidereal Time: 5h4m21.3s
Distance: 0.870AU (130.165 Mio km)
Apparent diameter: +0°00'10.8"
Sidereal period: 686.97 days (1.881 a)
Sidereal day: 24h37m22.7s
Mean solar day: 24h39m35.2s
Phase Angle: +29°09'42"
Elongation: +125°30'39"
Phase: 0.94
Illuminated: 93.7%

Mars

Rigel

Sirius

E

S



Date and Time

Date and Time				Julian Day					
2025	/	3	/	1	18	:	37	:	31

Mars

- On March 1st, Mars sets at 4:46 AM in the western sky.

Mars

Pollux



Type: planet
Magnitude: **-0.28** (extincted to: **4.12**)
Absolute Magnitude: 31.61
RA/Dec (J2000.0): 7h14m57.54s/+25°52'38.2"
RA/Dec (on date): 7h16m30.35s/+25°50'03.9"
Hour angle/DE: 7h52m42.99s/+26°13'34.3" (apparent)
Az/Alt: +307°44'41.2"/+0°18'46.8" (apparent)
Ecliptic longitude/latitude (J2000.0): +106°50'03.5"/+3°31'35.6"
Ecliptic longitude/latitude (on date): +107°11'08.2"/+3°31'55.8"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: -168°13'35.5"/+16°19'22.1"
Mean Sidereal Time: 15h10m38.1s
Apparent Sidereal Time: 15h10m38.2s
Distance: 0.865AU (129,470 Mio km)
Apparent diameter: +0°00'10.8"
Sidereal period: 686.97 days (1.881 a)
Sidereal day: 24h37m22.7s
Mean solar day: 24h39m35.2s
Phase Angle: +28°56'57"
Elongation: +126°02'37"
Phase: 0.94
Illuminated: 93.8%



Date and Time ✕

Date and Time			Julian Day		
2025	/	3	/	1	4
					:
				46	:
					5

Mars

- On March 8th, Mars and the Gibbous Moon appear together in a close conjunction in the eastern sky at sunset.
- Both objects are 2 degrees apart.

Mars

Type: **planet**
Magnitude: **-0.08** (extincted to: **0.07**)
Absolute Magnitude: 31.65
RA/Dec (J2000.0): 7h18m22.47s/+25°32'47.6"
RA/Dec (on date): 7h19m55.04s/+25°30'05.9"
Hour angle/DE: 22h26m24.03s/+25°30'29.3" (apparent)
Az/Alt: +127°01'10.5"/+63°19'31.3" (apparent)
Ecliptic longitude/latitude (J2000.0): +107°38'30.1"/+3°17'57.5"
Ecliptic longitude/latitude (on date): +107°59'35.8"/+3°18'17.5"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: -167°35'57.3"/+16°54'20.9"
Mean Sidereal Time: 5h46m17.6s
Apparent Sidereal Time: 5h46m17.6s
Distance: 0.929AU (138.974 Mio km)
Apparent diameter: +0°00'10.1"
Sidereal period: 686.97 days (1.881 a)
Sidereal day: 24h37m22.7s
Mean solar day: 24h39m35.2s
Phase Angle: +31°28'31"
Elongation: +119°16'42"
Phase: 0.93
Illuminated: 92.6%



Castor

Moon

Mars

Alhena

Pollux

Date and Time ✕

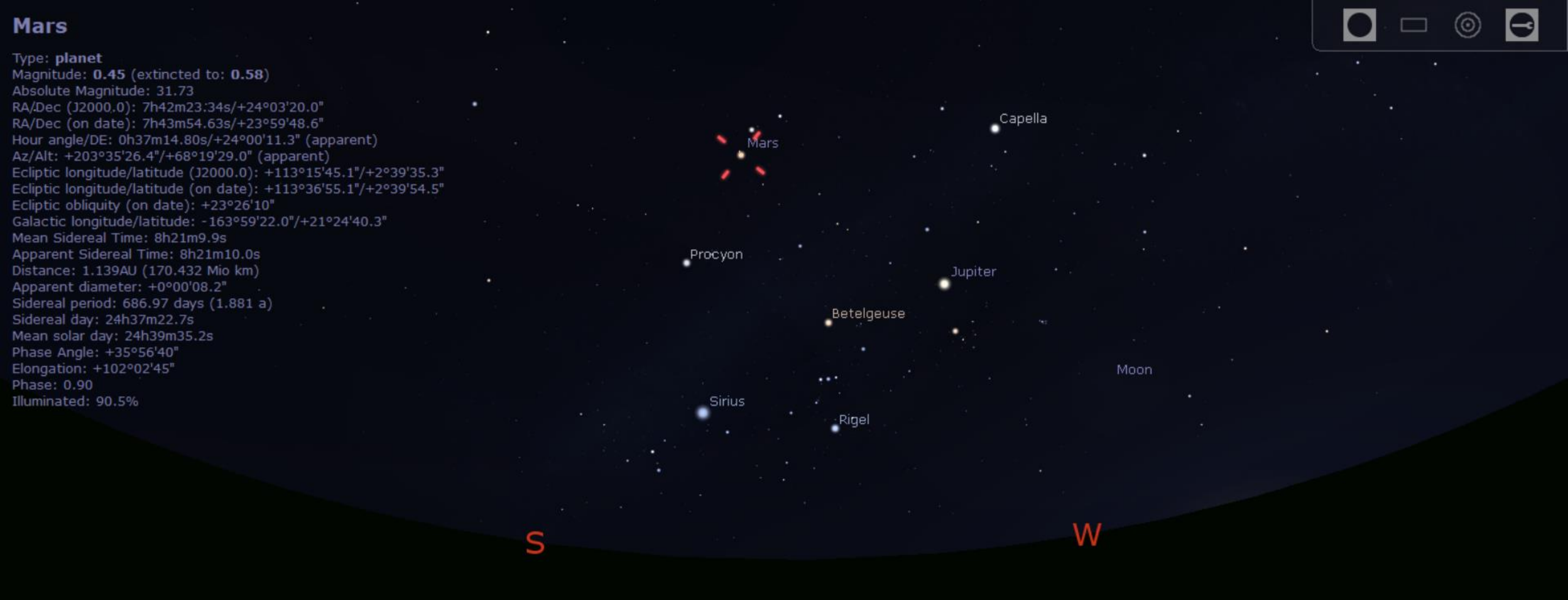
Date and Time		Julian Day	
2025	/ 3 / 8	18	: 51 : 49

Mars

- On March 31st, Mars is high overhead in the southwestern sky at sunset.

Mars

Type: planet
Magnitude: **0.45** (extincted to: **0.58**)
Absolute Magnitude: 31.73
RA/Dec (J2000.0): 7h42m23.34s/+24°03'20.0"
RA/Dec (on date): 7h43m54.63s/+23°59'48.6"
Hour angle/DE: 0h37m14.80s/+24°00'11.3" (apparent)
Az/Alt: +203°35'26.4"/+68°19'29.0" (apparent)
Ecliptic longitude/latitude (J2000.0): +113°15'45.1"/+2°39'35.3"
Ecliptic longitude/latitude (on date): +113°36'55.1"/+2°39'54.5"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: -163°59'22.0"/+21°24'40.3"
Mean Sidereal Time: 8h21m9.9s
Apparent Sidereal Time: 8h21m10.0s
Distance: 1.139AU (170.432 Mio km)
Apparent diameter: +0°00'08.2"
Sidereal period: 686.97 days (1.881 a)
Sidereal day: 24h37m22.7s
Mean solar day: 24h39m35.2s
Phase Angle: +35°56'40"
Elongation: +102°02'45"
Phase: 0.90
Illuminated: 90.5%



Date and Time [X]

Date and Time			Julian Day		
2025	/	3	/	31	
				20	:
				55	:
				50	

Mars

- On March 31st, Mars sets at 4:02 a.m. in the northwestern sky.
- Mars is still slowly moving east.

Mars



Type: **planet**
Magnitude: **0.43** (extincted to: **4.45**)
Absolute Magnitude: 31.73
RA/Dec (J2000.0): 7h41m24.70s/+24°06'40.9"
RA/Dec (on date): 7h42m56.05s/+24°03'11.5"
Hour angle/DE: 7h41m25.52s/+24°24'28.9" (apparent)
Az/Alt: +304°37'13.1"/+0°32'41.4" (apparent)
Ecliptic longitude/latitude (J2000.0): +113°01'58.7"/+2°40'35.7"
Ecliptic longitude/latitude (oh date): +113°23'08.6"/+2°40'55.0"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: -164°07'54.9"/+21°13'24.4"
Mean Sidereal Time: 15h25m40.5s
Apparent Sidereal Time: 15h25m40.6s
Distance: 1.133AU (169,445 Mio km)
Apparent diameter: +0°00'08.3"
Sidereal period: 686.97 days (1.881 a)
Sidereal day: 24h37m22.7s
Mean solar day: 24h39m35.2s
Phase Angle: +35°52'00"
Elongation: +102°30'27"
Phase: 0.91
Illuminated: 90.5%



Date and Time ✕

Date and Time			Julian Day		
2025	/	3 / 31	4	:	2 : 7

JUPITER

Jupiter

- On March 1st, Jupiter is high in the southern sky at sunset.

Jupiter

Type: planet
Magnitude: **-2.31** (extincted to: **-2.17**)
Absolute Magnitude: 25.77
RA/Dec (J2000.0): 4h42m14.19s/+21°50'10.7"
RA/Dec (on date): 4h43m44.14s/+21°53'06.0"
Hour angle/DE: 0h15m37.79s/+21°53'30.9" (apparent)
Az/Alt: +189°27'16.8"/+67°21'39.3" (apparent)
Ecliptic longitude/latitude (J2000.0): +72°00'12.2"/-0°23'47.7"
Ecliptic longitude/latitude (on date): +72°21'16.7"/-0°23'26.9"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +177°33'01.6"/-15°46'26.5"
Mean Sidereal Time: 4h59m22.1s
Apparent Sidereal Time: 4h59m22.1s
Distance: 4.993AU (746,949 Mio km)
Apparent diameter: +0°00'39.5"
Sidereal period: 4331.87 days (11.860 a)
Sidereal day: 9h55m29.7s
Mean solar day: 9h55m33.1s
Phase Angle: +11°11'56"
Elongation: +90°43'07"
Phase: 0.99
Illuminated: 99.0%



Date and Time		Julian Day	
2025	/ 3 / 1	18	: 32 : 33

Jupiter

- On March 1st, Jupiter sets at 1:46 a.m. in the western sky.

Jupiter

Type: planet
Magnitude: **-2.32** (extincted to: **0.89**)
Absolute Magnitude: 25.77
RA/Dec (J2000.0): 4h41m59.69s/+21°49'35.2"
RA/Dec (on date): 4h43m29.02s/+21°52'30.9"
Hour angle/DE: 7h25m50.29s/+22°09'18.6" (apparent)
Az/Alt: +300°26'28.6"/+1°11'48.2" (apparent)
Ecliptic longitude/latitude (J2000.0): +71°56'47.4"/-0°23'56.2"
Ecliptic longitude/latitude (on date): +72°17'51.7"/-0°23'35.4"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +177°31'19.6"/-15°49'26.4"
Mean Sidereal Time: 12h10m24.4s
Apparent Sidereal Time: 12h10m24.5s
Distance: 4.982AU (745.262 Mio km)
Apparent diameter: +0°00'39.6"
Sidereal period: 4331.87 days (11.860 a)
Sidereal day: 9h55m29.7s
Mean solar day: 9h55m33.1s
Phase Angle: +11°11'43"
Elongation: +91°21'39"
Phase: 0.99
Illuminated: 99.0%



Capella

Procyon

Jupiter

W

Date and Time					
Date and Time			Julian Day		
2025	/	3	/	1	
				1	:
				46	:
					20

Jupiter

- On March 5th, Jupiter, a first Quarter Moon, M45 and the Hyades all form a wide conjunction at sunset high in the southwestern sky.
- All 4 celestial objects are less than 11 degrees apart.

Jupiter

Type: planet
Magnitude: -2.28 (extincted to: -2.13)
Absolute Magnitude: 25.77
RA/Dec (J2000.0): 4h43m44.99s/+21°53'44.0"
RA/Dec (on date): 4h45m15.06s/+21°56'36.1"
Hour angle/DE: 1h48m4.84s/+21°57'05.0" (apparent)
Az/Alt: +233°41'56.7"/+58°28'37.2" (apparent)
Ecliptic longitude/latitude (J2000.0): +72°21'33.2"/-0°23'02.0"
Ecliptic longitude/latitude (on date): +72°42'38.4"/-0°22'41.4"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +177°43'45.0"/-15°27'44.4"
Mean Sidereal Time: 6h33m21.5s
Apparent Sidereal Time: 6h33m21.5s
Distance: 5.059AU (756.769 Mio km)
Apparent diameter: +0°00'39.0"
Sidereal period: 4331.87 days (11.860 a)
Sidereal day: 9h55m29.7s
Mean solar day: 9h55m33.1s
Phase Angle: +11°11'33"
Elongation: +87°00'35"
Phase: 0.99
Illuminated: 99.0%



Jupiter

Moon

Aldebaran

Uranus

Date and Time ✕

Date and Time		Julian Day	
2025	/ 3 / 5	19	: 50 : 33

Jupiter

- On March 31st, Jupiter is near the zenith in the western sky at sunset.

Jupiter

Jupiter



Type: **planet**
Magnitude: **-2.12** (extincted to: **-1.96**)
Absolute Magnitude: 25.77
RA/Dec (J2000.0): 4h57m43.97s/+22°21'19.7"
RA/Dec (on date): 4h59m14.92s/+22°23'43.1"
Hour angle/DE: 2h20m19.06s/+22°24'14.5" (apparent)
Az/Alt: +244°18'23.8"/+53°52'09.3" (apparent)
Ecliptic longitude/latitude (J2000.0): +75°37'45.2"/-0°18'38.1"
Ecliptic longitude/latitude (on date): +75°58'54.8"/-0°18'17.1"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +179°23'12.5"/-12°36'50.8"
Mean Sidereal Time: 7h19m36.2s
Apparent Sidereal Time: 7h19m36.2s
Distance: 5.463AU (817.327 Mio km)
Apparent diameter: +0°00'36.1"
Sidereal period: 4331.87 days (11.860 a)
Sidereal day: 9h55m29.7s
Mean solar day: 9h55m33.1s
Phase Angle: +10°09'25"
Elongation: +64°28'05"
Phase: 0.99
Illuminated: 99.2%

Moon

W

Date and Time					
Date and Time			Julian Day		
2025	/	3	/	31	19 : 54 : 27

Jupiter

- On March 31st, Jupiter sets at 1:09 a.m. in the northwestern sky.

Jupiter

Type: planet
Magnitude: -2.12 (extincted to: 1.61)
Absolute Magnitude: 25.77
RA/Dec (J2000.0): 4h57m12.92s/+22°20'25.4"
RA/Dec (on date): 4h58m43.84s/+22°22'50.0"
Hour angle/DE: 7h31m28.62s/+22°42'25:0" (apparent)
Az/Alt: +301°46'58.3"/+0°44'45.9" (apparent)
Ecliptic longitude/latitude (J2000.0): +75°30'31.1"/-0°18'45.8"
Ecliptic longitude/latitude (on date): +75°51'40.6"/-0°18'24.8"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +179°19'33.2"/-12°43'08.5"
Mean Sidereal Time: 12h31m26.7s
Apparent Sidereal Time: 12h31m26.7s
Distance: 5.452AU (815.616 Mio km)
Apparent diameter: +0°00'36.2"
Sidereal period: 4331.87 days (11.860 a)
Sidereal day: 9h55m29.7s
Mean solar day: 9h55m33.1s
Phase Angle: +10°12'38"
Elongation: +65°07'04"
Phase: 0.99
Illuminated: 99.2%



Capella

Jupiter

W

Date and Time

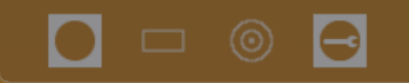
Date and Time		Julian Day	
2025	/ 3 / 31	1	: 9 : 22

SATURN

Saturn

- On March 1st, Saturn is less than 5 degrees above the western horizon at sunset.
- Now getting lost in the solar glare at twilight.

Saturn



Type: **planet**
Magnitude: **1.14** (extincted to: **4.01**)
Absolute Magnitude: 27.59
RA/Dec (J2000.0): 23h27m58.35s/-5°32'05.9"
RA/Dec (on date): 23h29m16.17s/-5°23'48.0"
Hour angle/DE: 5h31m1.12s/-5°09'33.3" (apparent)
Az/Alt: +261°14'56.6"/+1°33'08.7" (apparent)
Ecliptic longitude/latitude (J2000.0): +350°27'51.7"/-1°54'39.2"
Ecliptic longitude/latitude (on date): +350°48'56.8"/-1°54'41.7"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +76°35'08.7"/-60°39'33.2"
Mean Sidereal Time: 5h1m15.0s
Apparent Sidereal Time: 5h1m15.0s
Distance: 10.589AU (1584.052 Mio km)
Apparent diameter: +0°00'15.7", with rings: +0°00'36.6"
Sidereal period: 10760.00 days (29.459 a)
Sidereal day: 10h39m22.4s
Mean solar day: 10h39m24.0s
Phase Angle: +0°57'44"
Elongation: +9°22'24"
Phase: 1.00
Illuminated: 100.0%



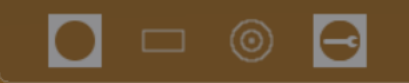
Date and Time [X]

Date and Time				Julian Day					
2025	/	3	/	1	18	:	34	:	25

Saturn

- On March 1st, Saturn sets at 6:45 PM in the western sky.
- Saturn no longer visible this month.

Saturn



Type: **planet**
Magnitude: **1.14** (extincted to: **5.78**)
Absolute Magnitude: 27.59
RA/Dec (J2000.0): 23h27m58.52s/-5°32'04.8"
RA/Dec (on date): 23h29m16.33s/-5°23'47.0"
Hour angle/DE: 5h39m21.00s/-5°01'27.6" (apparent)
Az/Alt: +262°48'10.5"/+0°10'15.7" (apparent)
Ecliptic longitude/latitude (J2000.0): +350°27'54.4"/-1°54'39.2"
Ecliptic longitude/latitude (on date): +350°48'59.6"/-1°54'41.7"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +76°35'13.9"/-60°39'34.0"
Mean Sidereal Time: 5h10m8.4s
Apparent Sidereal Time: 5h10m8.5s
Distance: 10.589AU (1584.055 Mio km)
Apparent diameter: +0°00'15.7", with rings: +0°00'36.6"
Sidereal period: 10760.00 days (29.459 a)
Sidereal day: 10h39m22.4s
Mean solar day: 10h39m24.0s
Phase Angle: +0°57'42"
Elongation: +9°22'05"
Phase: 1.00
Illuminated: 100.0%



Date and Time		Julian Day	
2025	/ 3 / 1	18	: 43 : 17

Date and Time in Gregorian calendar

URANUS

Uranus

- On March 1st, Uranus is high in the western sky at sunset.
- Uranus sits just a few degrees south of M45

Uranus



Type: planet
Rigel
Magnitude: 5.75 (extincted to: 5.91)
Absolute Magnitude: 30.84
RA/Dec (J2000.0): 3h23m56.09s/+18°22'26.6"
RA/Dec (on date): 3h25m21.98s/+18°27'50.1"
Hour angle/DE: 2h08m29.14s/+18°28'25.6" (apparent)
Az/Alt: +236°27'53.9"/+52°46'10.4" (apparent)
Ecliptic longitude/latitude (J2000.0): +53°18'44.6"/-0°14'04.7"
Ecliptic longitude/latitude (on date): +53°39'49.1"/-0°13'46.8"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +166°16'02.7"/-31°22'45.7"
Mean Sidereal Time: 5h33m53.1s
Apparent Sidereal Time: 5h33m53.1s
Distance: 19.827AU (2966.013 Mio km)
Apparent diameter: +0°00'03.6", with rings: +0°00'13.6"
Sidereal period: 30685.00 days (84.011 a)
Sidereal day: 17h14m24.0s
Mean solar day: 17h14m22.5s
Phase Angle: +2°45'52"
Elongation: +72°00'14"
Phase: 1.00
Illuminated: 99.9%

Venus
Moon
Mercury

W

Date and Time [X]

Date and Time			Julian Day		
2025	/	3	/	1	19
					: 6 : 58

Uranus

- On March 1st, Uranus sets right after midnight in the western sky.

Uranus



Type: **planet**
Magnitude: **5.75** (extincted to: **9.17**)
Absolute Magnitude: 30.84
RA/Dec (J2000.0): 3h23m51.15s/+18°22'07.4"
RA/Dec (on date): 3h25m17.03s/+18°27'31.0"
Hour angle/DE: 7h11m8.30s/+18°45'01.8" (apparent)
Az/Alt: +295°36'09.2"/+1°00'11.1" (apparent)
Ecliptic longitude/latitude (J2000.0): +53°17'31.7"/-0°14'05.7"
Ecliptic longitude/latitude (on date): +53°38'36.0"/-0°13'47.9"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +166°15'14.2"/-31°23'45.7"
Mean Sidereal Time: 10h37m34.0s
Apparent Sidereal Time: 10h37m34.1s
Distance: 19.814AU (2964.103 Mio km)
Apparent diameter: +0°00'03.6", with rings: +0°00'13.6"
Sidereal period: 30685.00 days (84.011 a)
Sidereal day: 17h14m24.0s
Mean solar day: 17h14m22.5s
Phase Angle: +2°46'33"
Elongation: +72°46'19"
Phase: 1.00
Illuminated: 99.9%

W

Aldebaran
Jupiter
Uranus

Date and Time ✕

Date and Time	Julian Day
2025 / 3 / 1	0 : 12 : 45

Uranus

- On March 31st, Uranus is high in the western sky at sunset.

Uranus

Type: **planet**
Magnitude: **5.80** (extincted to: **6.12**)
Absolute Magnitude: 30.84
RA/Dec (J2000.0): 3h28m24.86s/+18°39'16.7"
RA/Dec (on date): 3h29m51.39s/+18°44'33.7"
Hour angle/DE: 4h57m45.88s/+18°46'01.5" (apparent)
Az/Alt: +273°19'04.1"/+23°58'57.1" (apparent)
Ecliptic longitude/latitude (J2000.0): +54°24'38.6"/-0°13'31.8"
Ecliptic longitude/latitude (on date): +54°45'48.2"/-0°13'13.7"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +166°59'51.8"/-30°28'37.8"
Mean Sidereal Time: 8h27m44.3s
Apparent Sidereal Time: 8h27m44.4s
Distance: 20.254AU (3030.013 Mio km)
Apparent diameter: +0°00'03.5", with rings: +0°00'13.3"
Sidereal period: 30685.00 days (84.011 a)
Sidereal day: 17h14m24.0s
Mean solar day: 17h14m22.5s
Phase Angle: +2°00'23"
Elongation: +43°12'11"
Phase: 1.00
Illuminated: 100.0%

Uranus

Moon

W

Date and Time ✕

Date and Time	Julian Day
2025 / 3 / 31	21 : 2 : 24

Uranus

- On March 31, Uranus sets at 18° in the western sky.

Uranus



Type: planet
 Magnitude: 5.80 (extincted to: 9.28)
 Absolute Magnitude: 30.84
 RA/Dec (J2000.0): 3h28m25.93s/+18°39'20.5"
 RA/Dec (on date): 3h29m52.45s/+18°44'37.5"
 Hour angle/Dec: 7h12m49.04s/+19°02'30.2" (apparent)
 Az/Alt: +296°05'30.3"/+0°56'45.8" (apparent)
 Ecliptic longitude/latitude (J2000.0): +54°24'54.2"/-0°13'31.7"
 Ecliptic longitude/latitude (on date): +54°46'03.8"/-0°13'13.7"
 Ecliptic obliquity (on date): +23°26'10"
 Galactic longitude/latitude: +167°00'02.1"/-30°28'25.1"
 Mean Sidereal Time: 10h43m51.4s
 Apparent Sidereal Time: 10h43m51.5s
 Distance: 20.256AU (3030.181 Mio km)
 Apparent diameter: +0°00'03.5", with rings: +0°00'13.3"
 Sidereal period: 30685.00 days (84.011 a)
 Sidereal day: 17h14m24.0s
 Mean solar day: 17h14m22.5s
 Phase Angle: +2°00'12"
 Elongation: +43°06'49"
 Phase: 1.00
 Illuminated: 100.0%

Aldebaran

Uranus

W

Date and Time ✕

Date and Time			Julian Day		
2025	/	3	/	31	23
					:
					18
					:
					8

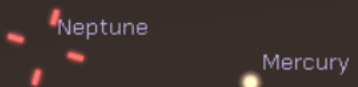
NEPTUNE

Neptune

- On March 1st, Neptune is low in the western sky at evening twilight.
- Neptune is next to Mercury

Neptune

Type: **planet**
Magnitude: **7.95** (extincted to: **9.25**)
Absolute Magnitude: 32.08
RA/Dec (J2000.0): 23h56m48.64s/-1°43'18.2"
RA/Dec (on date): 23h58m5.98s/-1°34'54.5"
Hour angle/DE: 5h24m55.19s/-1°28'16.1" (apparent)
Az/Alt: +262°47'56.9"/+5°13'48.2" (apparent)
Ecliptic longitude/latitude (J2000.0): +358°35'00.8"/-1°15'45.0"
Ecliptic longitude/latitude (on date): +358°56'05.7"/-1°15'44.4"
Ecliptic obliquity (on date): +23°26'10"
Galactic longitude/latitude: +93°22'27.7"/-61°25'05.7"
Mean Sidereal Time: 5h23m27.9s
Apparent Sidereal Time: 5h23m28.0s
Distance: 30.837AU (4613.195 Mio km)
Apparent diameter: +0°00'02.2", with rings: +0°00'05.6"
Sidereal period: 60189.00 days (164.789 a)
Sidereal day: 16h6m36.0s
Mean solar day: 16h6m36.6s
Phase Angle: +0°33'57"
Elongation: +17°19'36"
Phase: 1.00
Illuminated: 100.0%



W

Date and Time ✕

Date and Time				Julian Day					
2025	/	3	/	1	18	:	56	:	35

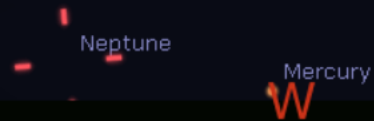
Neptune

- On March 1st, Neptune sets at 7:23 PM in the western sky.



Neptune

Type: planet
 Magnitude: 7.95 (extincted to: 12.25)
 Absolute Magnitude: 32.08
 RA/Dec (J2000.0): 23h56m48.80s/-1°43'17.1"
 RA/Dec (on date): 23h58m6.14s/-1°34'53.4"
 Hour angle/DE: 5h53m6.60s/-1°14'09.8" (apparent)
 Az/Alt: +267°54'44.5"/+0°22'08.7" (apparent)
 Ecliptic longitude/latitude (J2000.0): +358°35'03.4"/-1°15'45.0"
 Ecliptic longitude/latitude (on date): +358°56'08.3"/-1°15'44.4"
 Ecliptic obliquity (on date): +23°26'10"
 Galactic longitude/latitude: +93°22'33.2"/-61°25'05.8"
 Mean Sidereal Time: 5h52m37.6s
 Apparent Sidereal Time: 5h52m37.7s
 Distance: 30.837AU (4613.212 Mio km)
 Apparent diameter: +0°00'02.2", with rings: +0°00'05.6"
 Sidereal period: 60189.00 days (164.789 a)
 Sidereal day: 16h6m36.0s
 Mean solar day: 16h6m36.6s
 Phase Angle: +0°33'55"
 Elongation: +17°18'26"
 Phase: 1.00
 Illuminated: 100.0%

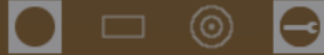


Date and Time ✕

Date and Time				Julian Day					
2025	/	3	/	1	19	:	25	:	40

Neptune

- On March 9th, Neptune is too low to see in the western sky.
- After March 3rd, Neptune gets lost in solar glare at twilight.



Neptune

Type: **planet**
 Magnitude: **7.96** (extincted to: **12.26**)
 Absolute Magnitude: 32.08
 RA/Dec (J2000.0): 23h57m53.89s/-1°36'12.3"
 RA/Dec (on date): 23h59m11.29s/-1°27'48.2"
 Hour angle/DE: 5h53m35.19s/-1°07'03.6" (apparent)
 Az/Alt: +268°04'48.9"/+0°21'59.9" (apparent)
 Ecliptic longitude/latitude (J2000.0): +358°52'48.1"/-1°15'43.6"
 Ecliptic longitude/latitude (on date): +359°13'53.9"/-1°15'42.9"
 Ecliptic obliquity (on date): +23°26'10"
 Galactic longitude/latitude: +93°59'36.9"/-61°25'47.9"
 Mean Sidereal Time: 5h54m11.4s
 Apparent Sidereal Time: 5h54m11.5s
 Distance: 30.871AU (4618.235 Mio km)
 Apparent diameter: +0°00'02.2", with rings: +0°00'05.6"
 Sidereal period: 60189.00 days (164.789 a)
 Sidereal day: 16h6m36.0s
 Mean solar day: 16h6m36.6s
 Phase Angle: +0°19'09"
 Elongation: +9°39'00"
 Phase: 1.00
 Illuminated: 100.0%

Neptune

W

Date and Time						
Date and Time				Julian Day		
2025	/	3	/	9	19	: 55 : 46

DEEP SKY

HERCULES

M 92 - GLOBULAR CLUSTER



M92

Hercules

Vega

Lyra

Deneb

Cygnus

Altair

M 92 – GLOBULAR CLUSTER

- **Class – Cluster – Type – Globular or Closed cluster.**
- **Other Designations: M92, NGC 6341, GCI 59**
- **Constellation: Hercules**
- **Age: 14 billion years old Stars: 330,000 with yellow giants**
- **Diameter: 109 light years across**
- **Distance: 27,000 light years from Earth**
- **Magnitude: +6.4**
- **Size: 14 arc minutes across. Photo by HST – Core of M92**



M 92 – GLOBULAR CLUSTER

- Below is a photo from the Sir Issac Newton Telescope group.
- Wide field image of M92 using the 1-meter telescope and 4-meter scope.
- Ground based observations.



That is the Sky this Month

By David Mills