
















































Thursday 30 October 2008


















Time	Object (Link)	Event
	Observer Site	Lostock NSW Australia, Australia WGS84: Lon: +151d25m30.3s Lat: -32d18m53.4s Alt: 204m All times in GMT+11
19.3h	 Venus	Magnitude=-4.0mag Best seen from 19.3h -22.2h (in constellation Ophiuchus) RA=16h49m14s Dec=-24°03.2' (J2000) Distance=1.217AU Elongation= 37° Phase k=78% Diameter=13.7"
19h18.2m		Set Azimuth=252.9°, WSW
19.6h		Lunar Crescent visible, 33.1 hours after new moon 2% illuminated, Moon lower limb relative to sunset point at sunset: dalt=14.4° daz=-1°
19.7h	 Mars	Magnitude= 1.5mag Best seen from 19.7h -20.1h (in constellation Libra) RA=15h01m30s Dec=-17°15.4' (J2000) Distance=2.503AU Elongation= 11° Phase k=99% Diameter=3.7"
19.7h	 Jupiter	Magnitude=-2.2mag Best seen from 19.7h - 0.5h (in constellation Sagittarius) RA=19h11m39s Dec=-22°46.2' (J2000) Distance=5.403AU Elongation= 69°
19h44m		End civil twilight
19h59m		Sun 9° below horizon
20h08.4m	 Mars	Set Azimuth=249.0°, WSW (in constellation Libra)
20.2h	 Uranus	Magnitude= 5.8mag Best seen from 20.2h - 2.7h (in constellation Aquarius) RA=23h20m34s Dec= -5°06.4' (J2000) Distance=19.424AU Elongation=132°
20h15m		Dusk
20h31m		Sun 15° below horizon
20.5h	 Deep-Sky Observing	Best time interval for observing dim objects: 20h31m- 4h45m Prior to midnight
20h39.9m		Set Azimuth=242.0°, WSW (in constellation Libra)
20h47m		End astronomical twilight
21h38.9m	 Uranus	Transit Altitude=+62.8° (in constellation Aquarius) Elongation=131.7° East, Magnitude=5.8mag
22h16.9m	 Venus	Set Azimuth=240.7°, WSW (in constellation Ophiuchus)
22h54m	Occultation of star by (374) Burgundia	Asteroid (374) Burgundia, 14.1 mag, occults TYC 5718-00589-1, 10.9 mag Duration: 1.5 seconds. Magnitude drop: 3.3 mag. Visibility: N Australia; Altitude=12.7° Azimuth=260.8° (Source: asteroidoccultation.com)










Friday 31 October 2008





Time	Object (Link)	Event
0h34.2m	 Jupiter	Set Azimuth=242.4°, WSW (in constellation Sagittarius)
0h59m	Occultation of star by (751) Faina	Asteroid (751) Faina, 12.3 mag, occults 2UCAC 21222312, 12.3 mag Duration: 13.9 seconds. Magnitude drop: 0.8 mag. Visibility: Japan, New Guinea; Altitude=52° Azimuth=268.1° (Source: asteroidoccultation.com)
3h42m	Occultation of star by (236) Honoria	Asteroid (236) Honoria, 13.0 mag, occults UCAC2 36442030, 11.0 mag Duration: 18.7 seconds. Magnitude drop: 2.2 mag. Visibility: Japan, Russia; Altitude=40.7° Azimuth=25.2° (Source: asteroidoccultation.com)
3h50.4m	 Saturn	Rise Azimuth= 83.0°, E (in constellation Leo)
3.9h	 Saturn	Magnitude= 1.0mag Best seen from 3.9h - 5.5h (in constellation Leo) RA=11h20m05s Dec= +6°14.6' (J2000) Distance=9.968AU Elongation= 49°
3h53.3m	 Uranus	Set Azimuth=263.7°, W (in constellation Aquarius)
4h28m		Begin astronomical twilight
4h45m		Sun 15° below horizon
5h00m		Dawn
5h16m		Sun 9° below horizon
5h21.8m	 Mercury	Rise Azimuth= 98.4°, E (in constellation Virgo)
5.4h	 Mercury	Magnitude=-0.9mag Best seen from 5.4h - 5.5h (in constellation Virgo) RA=13h24m51s Dec= -6°45.1' (J2000) Distance=1.187AU Elongation= 16° Phase k=82% Diameter=5.7"
5h31m		Begin civil twilight
5h57.3m		Rise Azimuth=107.3°, ESE
6h50.2m		Rise Azimuth=119.4°, ESE (in constellation Libra)
7h59.6m	 Venus	Rise Azimuth=119.4°, ESE (in constellation Ophiuchus)
10h23.8m	 Jupiter	Rise Azimuth=117.6°, ESE (in constellation Sagittarius)
11h	 Meteor	Leonids (LEO) (active until 23.11., Leo), persistent trails.
12h37.9m		Transit Altitude=+71.9° (in constellation Libra)
14h11.6m		Transit Altitude=+82.9° (in constellation Scorpius) Phase k=4.6%
15h00m	 Mars	Farest Distance (distance to earth: 2.503 AU)

15h09.0m	♀ Venus	Transit Altitude=+81.9° (in constellation Ophiuchus) Elongation=36.9° East, Magnitude=-4.0mag
17h27.3m	♃ Jupiter	Transit Altitude=+80.4° (in constellation Sagittarius) Elongation=68.5° East, Magnitude=-2.2mag
19.3h	♀ Venus	Magnitude=-4.0mag Best seen from 19.3h -22.3h (in constellation Ophiuchus) RA=16h54m28s Dec=-24°14.2' (J2000) Distance=1.210AU Elongation= 37° Phase k=78% Diameter=13.8"
19h19.1m		Set Azimuth=252.5°, WSW
19.6h		Lunar Crescent visible, 57.1 hours after new moon 5.4% illuminated
19.7h	♂ Mars	Magnitude= 1.5mag Best seen from 19.7h -20.1h (in constellation Libra) RA=15h04m19s Dec=-17°27.6' (J2000) Distance=2.503AU Elongation= 10° Phase k=99% Diameter=3.7"
19.7h	♃ Jupiter	Magnitude=-2.2mag Best seen from 19.7h - 0.5h (in constellation Sagittarius) RA=19h12m17s Dec=-22°45.2' (J2000) Distance=5.417AU Elongation= 68°
19h45m		End civil twilight
20h00m		Sun 9° below horizon
20h07.9m	♂ Mars	Set Azimuth=248.8°, WSW (in constellation Libra)
20.3h	♅ Uranus	Magnitude= 5.8mag Best seen from 20.3h - 2.6h (in constellation Aquarius) RA=23h20m29s Dec= -5°06.9' (J2000) Distance=19.437AU Elongation=131°
20.3h		Earthshine
20h16m		Dusk
20h32m		Sun 15° below horizon
20.5h	 Deep-Sky Observing	Best time interval for observing dim objects: 20h32m- 4h43m Prior to midnight
20h48m		End astronomical twilight
21.2h	 Moon	Close to NSV 20513, SAO 184144, 5.3mag Separation=1.06°, PA=179.0°, h=3.8°
21.5h	 Moon	Close to Antares, Alp Sco, SAO 184415 (Double star, separation <10"), 1.1mag Separation=5.0°, PA=102.2°, h=4.9°
21h34.8m	♅ Uranus	Transit Altitude=+62.8° (in constellation Aquarius) Elongation=130.7° East, Magnitude=5.8mag
21h37.6m		Set Azimuth=239.0°, WSW (in constellation Scorpius)
22h18.8m	♀ Venus	Set Azimuth=240.5°, WSW (in constellation Ophiuchus)





















Saturday 1 November 2008




Time	Object (Link)	Event
0h18m	Occultation of star by (2172) Plavsk	Asteroid (2172) Plavsk, 15.6 mag, occults HIP 17121, 8.4 mag Duration: 1.4 seconds. Magnitude drop: 7.2 mag. Visibility: Philippines ; Altitude=36.2° Azimuth=28.9° (Source: asteroidoccultation.com)
0h30.9m	 Jupiter	Set Azimuth=242.4°, WSW (in constellation Sagittarius)
1h41m	Occultation of star by (6911) Nancygreen	Asteroid (6911) Nancygreen, 13.5 mag, occults HIP 11251, 8.2 mag Duration: 0.9 seconds. Magnitude drop: 5.3 mag. Visibility: Japan , Philippines , Indonesia ; Altitude=49.8° Azimuth=335.5° (Source: asteroidoccultation.com)
1h48m	Occultation of star by (3502) Huangpu	Asteroid (3502) Huangpu, 16.5 mag, occults HIP 110602, 5.8 mag Duration: 2.1 seconds. Magnitude drop: 10.7 mag. Visibility: New Guinea ; Altitude=17.7° Azimuth=264.9° (Source: asteroidoccultation.com)
3h46.7m	 Saturn	Rise Azimuth= 83.1°, E (in constellation Leo)
3h49.4m	 Uranus	Set Azimuth=263.6°, W (in constellation Aquarius)
3.8h	 Saturn	Magnitude= 1.1mag Best seen from 3.8h - 5.5h (in constellation Leo) RA=11h20m27s Dec= +6°12.6' (J2000) Distance=9.956AU Elongation= 50°
4h27m		Begin astronomical twilight
4h43m		Sun 15° below horizon
4h59m		Dawn
5h15m		Sun 9° below horizon
5h22.0m	 Mercury	Rise Azimuth= 99.2°, E (in constellation Virgo)
5.4h	 Mercury	Magnitude=-0.9mag Best seen from 5.4h - 5.5h (in constellation Virgo) RA=13h30m34s Dec= -7°22.3' (J2000) Distance=1.208AU Elongation= 15° Phase k=84% Diameter=5.6"
5h30m		Begin civil twilight
5h56.3m		Rise Azimuth=107.7°, ESE
7h33.7m		Rise Azimuth=121.8°, ESE (in constellation Scorpius)
8h00.3m	 Venus	Rise Azimuth=119.6°, ESE (in constellation Ophiuchus)
10h18m	 Mercury	Close to Spica (4.0deg)
10h20.5m	 Jupiter	Rise Azimuth=117.6°, ESE (in constellation Sagittarius)
		Transit Altitude=+72.2° (in constellation

12h37.9m		Libra)
15h02.1m		Transit Altitude=+84.4° (in constellation Scorpius) Phase k=9.5%
15h10.3m	♀ Venus	Transit Altitude=+82.1° (in constellation Ophiuchus) Elongation=37.1° East, Magnitude=-4.0mag
17h24.0m	♃ Jupiter	Transit Altitude=+80.4° (in constellation Sagittarius) Elongation=67.7° East, Magnitude=-2.2mag
18.1h	♀ Venus	Aphelion (distance to sun: 0.728 AU)
19.3h	♀ Venus	Magnitude=-4.0mag Best seen from 19.3h -22.3h (in constellation Ophiuchus) RA=16h59m43s Dec=-24°24.5' (J2000) Distance=1.204AU Elongation= 37° Phase k=78% Diameter=13.9"
19h19.9m		Set Azimuth=252.1°, WSW
19.8h	♂ Mars	Magnitude= 1.5mag Best seen from 19.8h -20.1h (in constellation Libra) RA=15h07m08s Dec=-17°39.7' (J2000) Distance=2.503AU Elongation= 10° Phase k=99% Diameter=3.7"
19.8h	♃ Jupiter	Magnitude=-2.2mag Best seen from 19.8h - 0.4h (in constellation Sagittarius) RA=19h12m55s Dec=-22°44.1' (J2000) Distance=5.432AU Elongation= 68°
19h46m		End civil twilight
20h01m		Sun 9° below horizon
20h07.3m	♂ Mars	Set Azimuth=248.5°, WSW (in constellation Libra)
20.3h	♅ Uranus	Magnitude= 5.8mag Best seen from 20.3h - 2.5h (in constellation Aquarius) RA=23h20m24s Dec= -5°07.4' (J2000) Distance=19.450AU Elongation=130°
20.3h		Earthshine
20h17m		Dusk
20h32m	Occultation of star by (78) Diana	Asteroid (78) Diana, 14.2 mag, occults TYC 6854-01090-1, 11.2 mag Duration: 3.5 seconds. Magnitude drop: 3.1 mag. Visibility: Australia; Altitude=35° Azimuth=255° (Source: asteroidoccultation.com)
20h33m		Sun 15° below horizon
20.5h	 Deep-Sky Observing	Best time interval for observing dim objects: 20h33m- 4h42m Prior to midnight
20h49m		End astronomical twilight
21h09m	Occultation of star by (712) Boliviana	Asteroid (712) Boliviana, 14.0 mag, occults TYC 5698-02040-1, 12.2 mag Duration: 4.0 seconds. Magnitude drop: 2.0 mag. Visibility: Japan; Altitude=26.3° Azimuth=270.8° (Source: asteroidoccultation.com)


21h30.8m	 Uranus	Transit Altitude=+62.8° (in constellation Aquarius) Elongation=129.6° East, Magnitude=5.8mag
21.5h	 Moon	Close to Venus, -4.0mag Separation=2.28°, PA=352.5°, h=8.6°
22h20.6m	 Venus	Set Azimuth=240.3°, WSW (in constellation Ophiuchus)
22h32.3m		Set Azimuth=237.5°, WSW (in constellation Ophiuchus)

Sunday 2 November 2008

Time	Object (Link)	Event
0h27.5m	 Jupiter	Set Azimuth=242.4°, WSW (in constellation Sagittarius)
3h43.1m	 Saturn	Rise Azimuth= 83.1°, E (in constellation Leo)
3h45.4m	 Uranus	Set Azimuth=263.6°, W (in constellation Aquarius)
3.8h	 Saturn	Magnitude= 1.1mag Best seen from 3.8h - 5.5h (in constellation Leo) RA=11h20m48s Dec= +6°10.5' (J2000) Distance=9.943AU Elongation= 51°
4h26m		Begin astronomical twilight
4h42m		Sun 15° below horizon
4h58m		Dawn
5h14m		Sun 9° below horizon
5h22.2m	 Mercury	Rise Azimuth= 99.9°, E (in constellation Virgo)
5.4h	 Mercury	Magnitude=-0.9mag Best seen from 5.4h - 5.5h (in constellation Virgo) RA=13h36m23s Dec= -8°00.1' (J2000) Distance=1.227AU Elongation= 14° Phase k=86% Diameter=5.5"
5h29m		Begin civil twilight
5h55.4m		Rise Azimuth=108.1°, ESE
7h54.4m		Max. Decl. South
8h01.1m	 Venus	Rise Azimuth=119.8°, ESE (in constellation Ophiuchus)
8h22.4m		Rise Azimuth=122.6°, ESE (in constellation Ophiuchus)
10h17.3m	 Jupiter	Rise Azimuth=117.6°, ESE (in constellation Sagittarius)
12h37.9m		Transit Altitude=+72.5° (in constellation Libra)
15h11.7m	 Venus	Transit Altitude=+82.2° (in constellation Ophiuchus) Elongation=37.3° East, Magnitude=-4.0mag
15h53.0m		Transit Altitude=+84.7° (in constellation Sagittarius) Phase k=15.9%
16h02.7m		Apogee (distance to earth center: 405752.9 km)

17h20.7m	 Jupiter	Transit Altitude=+80.4° (in constellation Sagittarius) Elongation=66.8° East, Magnitude=-2.2mag
	 Neptune	Stationary: Getting Prograde (relative to ecliptic)
	 Neptune	Stationary: Getting Prograde (relative to equator)

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