


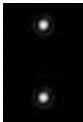


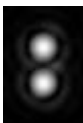




# The Calendar-Sky

## Friday 8 October 2010

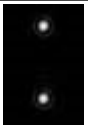
Time	Object (Link)	Event
	<b>Observer Site</b>	<b>Lostock NSW Australia, Australia</b> WGS84: Lon: +151d25m30.3s Lat: -32d18m53.4s Alt: 204m All times in UTC+11
20.0h	 <b>Binary Star</b> <b>Zubenelgenubi,</b> <b>Alp2 Lib (SAO</b> <b>158840, WDS</b> <b>14509-1603)</b> <b>Components AB.</b>	<b>Magnitudes: 2.7 and 5.2 mag</b> , Spectral type A3IV F4IV, Separation: 231.1" Positionangle: 315° <b>RA=14h50.9m Dec=-16°02' (constellation Libra)</b> Best seen from 19.9h -21.3h ( $h_{\max}$ =18° at 19.9h) (WDS catalog)
20.0h	 <b>Binary Star</b> <b>(super-wide</b> <b>split) WDS</b> <b>15479-6527</b> <b>Components AB</b>	<b>Magnitudes: 6.2 and 6.4 mag</b> , Spectral type A5III-IV, Separation: 1.7" Positionangle: 145° <b>RA=15h47.9m Dec=-65°27' (constellation Triangulum</b> <b>Australe)</b> Best seen from 19.9h - 3.6h ( $h_{\max}$ =40° at 19.9h) (WDS catalog)
20.0h	 <b>Binary Star</b> <b>Nu 1 CrB</b> <b>(SAO</b> <b>65257,</b> <b>WDS 16224+3348)</b> <b>Components AB</b>	<b>Magnitudes: 5.4 and 5.6 mag</b> , Spectral type M2IIIab, Separation: 360.2" Positionangle: 164° <b>RA=16h22.4m Dec=+33°48' (constellation Corona</b> <b>Borealis)</b> Best seen from 19.9h -20.5h ( $h_{\max}$ =6° at 19.9h) (WDS catalog)
20.0h	 <b>Binary Star</b> <b>WDS</b> <b>17037+1336</b>	<b>Magnitudes: 5.9 and 6.2 mag</b> , Separation: 306.4" Positionangle: 117° <b>RA=17h03.7m Dec=+13°36' (constellation Hercules)</b> Best seen from 19.9h -22.2h ( $h_{\max}$ =27° at 19.9h) (Linear solution; Periastron-Year: -351, min. separation: 186.8")
20.0h	 <b>Binary Star</b> <b>WDS</b> <b>17269-4551</b> <b>Components AC</b>	<b>Magnitudes: 5.6 and 7.1 mag</b> , Spectral type A0V, Separation: 102.4" Positionangle: 312° <b>RA=17h26.9m Dec=-45°51' (constellation Ara)</b> Best seen from 19.9h - 1.9h ( $h_{\max}$ =57° at 19.9h) (WDS catalog)
20.0h	 <b>Binary Star</b> <b>WDS</b> <b>17153-2636</b> <b>Components AC</b>	<b>Magnitudes: 5.1 and 6.5 mag</b> , Spectral type K5Ve, Separation: 765.2" Positionangle: 81° <b>RA=17h15.4m Dec=-26°36' (constellation Ophiuchus)</b> Best seen from 19.9h - 0.2h ( $h_{\max}$ =52° at 19.9h) (WDS catalog)
20.0h	 <b>Binary Star</b> <b>(tiny gap</b> <b>split) SAO</b> <b>254515,</b> <b>WDS 19172-6640</b>	<b>Magnitudes: 6.1 and 6.4 mag</b> , Separation: 0.5" (visual limit for separation: 0.1") Positionangle: 344° <b>RA=19h17.2m Dec=-66°40' (constellation Pavo)</b> Best seen from 19.9h - 5.5h ( $h_{\max}$ =55° at 19.9h) (Orbit data may be unreliable) (Orbit solution; Periastron-Year: 1951, min. separation: 0.2", period: 157 years)
20.0h	 <b>Binary Star</b> <b>WDS</b> <b>18465-0058</b> <b>Components Aa-B</b>	<b>Magnitudes: 5.9 and 7.0 mag</b> , Separation: 12.6" Positionangle: 121° <b>RA=18h46.5m Dec= +0°58' (constellation Aquila)</b> Best seen from 19.9h - 0.5h ( $h_{\max}$ =52° at 19.9h) (WDS catalog)
20.0h	 <b>Binary Star</b> <b>WDS</b> <b>18562+0412</b> <b>Components AC.</b>	<b>Magnitudes: 4.6 and 6.8 mag</b> , Separation: 421.9" Positionangle: 58° <b>RA=18h56.2m Dec= +4°12' (constellation Serpens</b> <b>Cauda)</b> Best seen from 19.9h - 0.5h ( $h_{\max}$ =50° at 19.9h) (WDS catalog)

20.4h	 <b>Binary Star WDS 20289-1749 Components AD</b>	<b>Magnitudes: 5.0 and 6.7 mag</b> , Separation: 260.2" Positionangle: 150° <b>RA=20h28.9m Dec=-17°49' (constellation Capricornus)</b> Best seen from 19.9h - 3.0h ( $h_{\max}=76^\circ$ at 20.2h) (WDS catalog)
20.9h	 <b>Binary Star WDS 20591+0418 Components BC</b>	<b>Magnitudes: 6.3 and 7.0 mag</b> , Separation: 10.5" Positionangle: 67° <b>RA=20h59.1m Dec= +4°18' (constellation Equuleus)</b> Best seen from 19.9h - 2.5h ( $h_{\max}=53^\circ$ at 20.7h) (WDS catalog)
20.9h	 <b>Binary Star (very wide split) SAO 33078, WDS 21021+5640</b>	<b>Magnitudes: 6.2 and 6.9 mag</b> , Spectral type B8III, Separation: 1.6" Positionangle: 356° <b>RA=21h02.2m Dec=+56°40' (constellation Cepheus)</b> Best seen from 19.9h -21.8h ( $h_{\max}=1^\circ$ at 20.8h) (WDS catalog)
21.0h	 <b>Binary Star (very wide split) WDS 21041-0549 Components Aa-B</b>	<b>Magnitudes: 5.8 and 7.5 mag</b> , Separation: 2.5" Positionangle: 196° <b>RA=21h04.1m Dec= -5°49' (constellation Aquarius)</b> Best seen from 19.9h - 3.1h ( $h_{\max}=64^\circ$ at 20.8h) (WDS catalog)
21.3h	 <b>Binary Star (super-wide split) SAO 71230, WDS 21208+3227 Components AB</b>	<b>Magnitudes: 7.2 and 7.4 mag</b> , Spectral type G4V, Separation: 2.4" Positionangle: 21° <b>RA=21h20.8m Dec=+32°27' (constellation Cygnus)</b> Best seen from 19.9h - 1.5h ( $h_{\max}=25^\circ$ at 21.1h) (WDS catalog)
21.4h	 <b>Binary Star (super-wide split) WDS 21289+1105 Components AB</b>	<b>Magnitudes: 7.4 and 7.4 mag</b> , Separation: 1.7" Positionangle: 259° <b>RA=21h28.9m Dec=+11°05' (constellation Pegasus)</b> Best seen from 19.9h - 2.7h ( $h_{\max}=47^\circ$ at 21.2h) (Orbit solution; Periastron-Year: 2222, min. separation: 1.1", period: 619 years)
21.6h	 <b>Binary Star WDS 21441+2845 Components BD</b>	<b>Magnitudes: 6.2 and 6.9 mag</b> , Spectral type A5, Separation: 197.8" Positionangle: 44° <b>RA=21h44.1m Dec=+28°45' (constellation Cygnus)</b> Best seen from 19.9h - 2.1h ( $h_{\max}=29^\circ$ at 21.5h) (WDS catalog)
23.6h	 <b>Binary Star The Phe (SAO 231719, WDS 23395-4638)</b>	<b>Magnitudes: 6.5 and 7.3 mag</b> , Spectral type A8V+F0V, Separation: 3.9" Positionangle: 276° <b>RA=23h39.5m Dec=-46°38' (constellation Phoenix)</b> Best seen from 19.9h - 5.5h ( $h_{\max}=76^\circ$ at 23.4h) (WDS catalog)
23.9h	 <b>Binary Star (super-wide split) Kap1 Scl (SAO 166083, WDS 00094-2759) Components AB</b>	<b>Magnitudes: 6.1 and 6.2 mag</b> , Separation: 1.3" Positionangle: 259° <b>RA= 0h09.4m Dec=-27°59' (constellation Sculptor)</b> Best seen from 19.9h - 5.5h ( $h_{\max}=86^\circ$ at 23.9h) (Orbit solution; Periastron-Year: 2096, min. separation: 1.3", period: 616 years)


## Saturday 9 October 2010

Time	Object (Link)	Event
1.3h	 <b>Binary Star WDS 01316-1901</b>	<b>Magnitudes: 6.9 and 7.5 mag</b> , Spectral type A7III K0, Separation: 80.0" Positionangle: 115° <b>RA= 1h31.6m Dec=-19°01' (constellation Cetus)</b> Best seen from 19.9h - 5.5h ( $h_{\max}=77^\circ$ at 1.3h) This pair is non-physical (WDS catalog)
1.4h	 <b>Binary Star SAO 232490, WDS 01398-5612</b>	<b>Magnitudes: 5.8 and 5.9 mag</b> , Separation: 11.7" Positionangle: 188° <b>RA= 1h39.8m Dec=-56°12' (constellation Eridani)</b> Best seen from 19.9h - 5.5h ( $h_{\max}=66^\circ$ at 1.4h) (Orbit solution; Periastron-Year: 1813, min. separation: 3.6", period: 484 years)
1.5h	 <b>Binary Star (tiny gap split) ADS 1339 (WDS 01417-1119)</b>	<b>Magnitudes: 6.1 and 7.2 mag</b> , Separation: 0.8" (visual limit for separation: 0.1") Positionangle: 95° <b>RA= 1h41.7m Dec=-11°19' (constellation Cetus)</b> Best seen from 19.9h - 5.5h ( $h_{\max}=69^\circ$ at 1.4h) (Linear solution; Periastron-Year: 2044, min. separation: 0.1")
3.6h	 <b>Binary Star (fairly close split) 31 Tau (SAO 111469, WDS 03520+0632)</b>	<b>Magnitudes: 6.3 and 6.6 mag</b> , Spectral type B5V, Separation: 0.7" Positionangle: 208° <b>RA= 3h52.0m Dec= +6°32' (constellation Taurus)</b> Best seen from 21.9h - 5.5h ( $h_{\max}=51^\circ$ at 3.6h) (WDS catalog)
3.9h	 <b>Binary Star WDS 04080+4311</b>	<b>Magnitudes: 7.2 and 6.5 mag</b> , Spectral type K0, Separation: 130.1" Positionangle: 71° <b>RA= 4h08.0m Dec=+43°11' (constellation Perseus)</b> Best seen from 19.9h - 5.5h ( $h_{\max}=15^\circ$ at 3.9h) (WDS catalog)
4.0h	 <b>Binary Star (touching split) 47 Tau (SAO 111674, WDS 04139+0916) Components AB.</b>	<b>Magnitudes: 5.0 and 7.3 mag</b> , Spectral type G5IV+A8V, Separation: 1.2" (visual limit for separation: 0.2") Positionangle: 340° <b>RA= 4h13.9m Dec= +9°16' (constellation Taurus)</b> Best seen from 22.4h - 5.5h ( $h_{\max}=48^\circ$ at 4.0h) (WDS catalog)
4.2h	 <b>Binary Star Kap1 Tau (SAO 76601, WDS 04254+2218) Components AB</b>	<b>Magnitudes: 4.2 and 5.3 mag</b> , Spectral type A7IV/V, Separation: 339.7" Positionangle: 174° <b>RA= 4h25.4m Dec=+22°18' (constellation Taurus)</b> Best seen from 23.2h - 5.5h ( $h_{\max}=35^\circ$ at 4.2h) (WDS catalog)
4.3h	 <b>Binary Star SAO 93975, WDS 04306+1612</b>	<b>Magnitudes: 4.8 and 6.5 mag</b> , Spectral type A6IV, Separation: 249.8" Positionangle: 131° <b>RA= 4h30.6m Dec=+16°12' (constellation Taurus)</b> Best seen from 23.0h - 5.5h ( $h_{\max}=42^\circ$ at 4.2h) (WDS catalog)
4.5h	 <b>Binary Star 55 Eri (SAO 131443, WDS 04436-0848)</b>	<b>Magnitudes: 6.7 and 6.8 mag</b> , Spectral type G5III, Separation: 9.2" Positionangle: 318° <b>RA= 4h43.6m Dec= -8°48' (constellation Eridani)</b> Best seen from 22.1h - 5.5h ( $h_{\max}=66^\circ$ at 4.5h) (WDS catalog)
5.3h	 <b>Binary Star SAO 94630, WDS 05322+1703</b>	<b>Magnitudes: 6.1 and 6.4 mag</b> , Spectral type B7IIIe, Separation: 9.5" Positionangle: 141° <b>RA= 5h32.2m Dec=+17°03' (constellation Taurus)</b> Best seen from 0.0h - 5.5h ( $h_{\max}=41^\circ$ at 5.3h) (WDS catalog)
5.5h	 <b>Binary Star SAO 58905, WDS</b>	<b>Magnitudes: 6.9 and 7.4 mag</b> , Spectral type F4IV, Separation: 11.4" Positionangle: 216° <b>RA= 6h15 6m Dec=+36°09' (constellation Auriga)</b>

	 <b>06156+3609</b> <b>Components AB</b>	Best seen from 1.9h - 5.5h ( $h_{\max}=21^{\circ}$ at 5.4h) (WDS catalog)
5.5h	 <b>Binary Star (wide split) SAO 196978, WDS 06354-3647 Components AB</b>	<b>Magnitudes: 5.9 and 6.9 mag</b> , Spectral type A0V, Separation: 1.6" Positionangle: $261^{\circ}$ <b>RA= 6h35.4m Dec=-36°47' (constellation Columba)</b> Best seen from 22.5h - 5.5h ( $h_{\max}=78^{\circ}$ at 5.4h) (WDS catalog)
5.5h	 <b>Binary Star WDS 06288-0702 Components AC</b>	<b>Magnitudes: 4.6 and 5.4 mag</b> , Spectral type B3Ve B3e, Separation: 9.9" Positionangle: $125^{\circ}$ <b>RA= 6h28.8m Dec= -7°02' (constellation Monoceros)</b> Best seen from 24.0h - 5.5h ( $h_{\max}=62^{\circ}$ at 5.4h) (WDS catalog)
5.5h	 <b>Binary Star (fairly close split) SAO 115773, WDS 07401+0514 Components AB</b>	<b>Magnitudes: 6.5 and 7.0 mag</b> , Spectral type A0III, Separation: 0.9" Positionangle: $173^{\circ}$ <b>RA= 7h40.1m Dec= +5°14' (constellation Canis Minor)</b> Best seen from 1.7h - 5.5h ( $h_{\max}=43^{\circ}$ at 5.4h) (WDS catalog)
5.5h	 <b>Binary Star SAO 77393, WDS 05413+2929</b>	<b>Magnitudes: 6.4 and 7.1 mag</b> , Spectral type B8IV, Separation: 26.1" Positionangle: $15^{\circ}$ <b>RA= 5h41.3m Dec=+29°29' (constellation Auriga)</b> Best seen from 0.8h - 5.5h ( $h_{\max}=28^{\circ}$ at 5.4h) (WDS catalog)
5.5h	 <b>Binary Star (super-wide split) SAO 219996, WDS 08295-4443</b>	<b>Magnitudes: 5.2 and 7.0 mag</b> , Spectral type B2IV, Separation: 4.2" Positionangle: $349^{\circ}$ <b>RA= 8h29.5m Dec=-44°43' (constellation Vela)</b> Best seen from 23.7h - 5.5h ( $h_{\max}=55^{\circ}$ at 5.4h) (WDS catalog)
5.5h	 <b>Binary Star WDS 08095-4720 Components AC.</b>	<b>Magnitudes: 1.8 and 7.3 mag</b> , Separation: 62.6" Positionangle: $152^{\circ}$ <b>RA= 8h09.5m Dec=-47°20' (constellation Vela)</b> Best seen from 23.1h - 5.5h ( $h_{\max}=58^{\circ}$ at 5.4h) (WDS catalog)
5.5h	 <b>Binary Star SAO 156235, WDS 10476-1516 Components AB</b>	<b>Magnitudes: 6.7 and 7.0 mag</b> , Spectral type B9IV, Separation: 66.0" Positionangle: $28^{\circ}$ <b>RA=10h47.6m Dec=-15°16' (constellation Hydra)</b> Best seen from 3.9h - 5.5h ( $h_{\max}=19^{\circ}$ at 5.4h) (WDS catalog)
5.5h	 <b>Binary Star (super-wide split) SAO 250917, WDS 10191-6441</b>	<b>Magnitudes: 6.3 and 6.5 mag</b> , Spectral type A1V, Separation: 2.5" Positionangle: $313^{\circ}$ <b>RA=10h19.1m Dec=-64°41' (constellation Carina)</b> Best seen from 22.1h - 5.5h ( $h_{\max}=37^{\circ}$ at 5.4h) (WDS catalog)
5.5h	 <b>Binary Star SAO 222126, WDS 10320-4504</b>	<b>Magnitudes: 5.6 and 6.0 mag</b> , Spectral type B8, Separation: 13.5" Positionangle: $219^{\circ}$ <b>RA=10h32.0m Dec=-45°04' (constellation Vela)</b> Best seen from 1.7h - 5.5h ( $h_{\max}=34^{\circ}$ at 5.4h) (WDS catalog)
5.5h	 <b>Binary Star (very wide split) 52 Ori (SAO 113150, WDS 05480+0627)</b>	<b>Magnitudes: 6.0 and 6.0 mag</b> , Spectral type A5V, Separation: 1.1" Positionangle: $217^{\circ}$ <b>RA= 5h48.0m Dec= +6°27' (constellation Orion)</b> Best seen from 23.8h - 5.5h ( $h_{\max}=51^{\circ}$ at 5.5h) (WDS catalog)

5.5h	 <b>Binary Star Gam Lep (SAO 170759, WDS 05445-2227) Components AB.</b>	<b>Magnitudes: 3.6 and 6.3 mag</b> , Spectral type F6V K2V, Separation: 97.2" Positionangle: 350° <b>RA= 5h44.5m Dec=-22°27' (constellation Lepus)</b> Best seen from 22.5h - 5.5h ( $h_{\max}=80^\circ$ at 5.5h) (WDS catalog)
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