












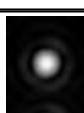







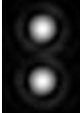



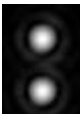
Saturday 1 November 2008










Time	Object (Link)	Event
	Observer Site	Lostock NSW Australia, Australia WGS84: Lon: +151d25m30.3s Lat: -32d18m53.4s Alt: 204m All times in GMT+11
20.4h	 Binary Star WDS 14565-3438	Magnitudes: 0.0 and 0.0 mag , Separation: 467126.9" Positionangle: 103° RA=14h56.5m Dec=-34°38' (constellation Centaurus) Best seen from 20.3h -20.8h at max. altitude 6° (Linear solution; Periastron-Year: 1543, min. separation: 10.3")
20.4h	 Binary Star (super- wide split) Pi Lup (SAO 225426, WDS 15051-4703)	Magnitudes: 4.6 and 4.6 mag , Spectral type B5V, Separation: 1.7" Positionangle: 65° RA=15h05.1m Dec=-47°03' (constellation Lupus) Best seen from 20.3h -22.1h at max. altitude 14° (WDS catalog)
20.4h	 Binary Star (hair-split split) Gam Lup (SAO 225938, WDS 15351-4110)	Magnitudes: 3.0 and 4.5 mag , Separation: 0.8" (visual limit for separation: 0.1") Positionangle: 277° RA=15h35.1m Dec=-41°10' (constellation Lupus) Best seen from 20.3h -22.0h at max. altitude 15° (Orbit solution; Periastron-Year: 2075, min. separation: 0.3", period: 190 years)
20.4h	 Binary Star Nu Sco (SAO 159763, WDS 16120-1928) Components Aa- C.	Magnitudes: 4.2 and 6.6 mag , Separation: 41.4" Positionangle: 338° RA=16h12.0m Dec=-19°28' (constellation Scorpius) Best seen from 20.3h -21.2h at max. altitude 12° (WDS catalog)
20.4h	 Binary Star WDS 16231-6921	Magnitudes: 0.0 and 0.0 mag , Separation: 99794.5" Positionangle: 328° RA=16h23.1m Dec=-69°21' (constellation Triangulum Australe) Best seen from 20.3h - 2.6h at max. altitude 32° (Linear solution; Periastron-Year: 2854, min. separation: 48.2")
20.4h	 Binary Star WDS 17153- 2636 Components AC	Magnitudes: 5.1 and 6.5 mag , Spectral type K5Ve, Separation: 761.5" Positionangle: 81° RA=17h15.4m Dec=-26°36' (constellation Ophiuchus) Best seen from 20.3h -22.6h at max. altitude 28° (WDS catalog)
20.4h	 Binary Star (very wide split) Tau Oph (SAO 142050, WDS 18031-0811) Components AB	Magnitudes: 5.3 and 5.9 mag , Separation: 1.6" Positionangle: 284° RA=18h03.1m Dec= -8°11' (constellation Ophiuchus) Best seen from 20.3h -22.5h at max. altitude 29° (Orbit solution; Periastron-Year: 2086, min. separation: 0.3", period: 257 years)
	 Binary Star	Magnitudes: 5.5 and 7.0 mag , Spectral type K0IV, Separation: 39.3" Positionangle: 210°


20.4h	 15 Aql (SAO 142996, WDS 19050-0402)	RA=19h05.0m Dec= -4°02' (constellation Aquila) Best seen from 20.3h -23.4h at max. altitude 39° This pair is non-physical (WDS catalog)
20.4h	 Binary Star ADS 11971 (WDS 19027-0043)	Magnitudes: 0.0 and 0.0 mag , Separation: 91412.1" Positionangle: 109° RA=19h02.7m Dec= +0°43' (constellation Aquila) Best seen from 20.3h -23.2h at max. altitude 36° (Linear solution; Periastron-Year: 1911, min. separation: 70.3")
20.4h	 Binary Star Albireo, Bet1 Cyg (SAO 87301, WDS 19307+2758) Components Aa-B	Magnitudes: 3.4 and 4.7 mag , Separation: 35.0" Positionangle: 55° RA=19h30.7m Dec=+27°58' (constellation Cygnus) Best seen from 20.3h -22.3h at max. altitude 19° (WDS catalog)
20.4h	 Binary Star (hair-split split) Del Cyg (SAO 48796, WDS 19450+4508) Components AB.	Magnitudes: 2.9 and 6.3 mag , Separation: 2.7" (visual limit for separation: 0.4") Positionangle: 220° RA=19h45.0m Dec=+45°08' (constellation Cygnus) Best seen from 20.3h -21.3h at max. altitude 6° (Orbit data may be unreliable) (Orbit solution; Periastron-Year: 1880, min. separation: 1.6", period: 780 years)
20.4h	 Binary Star WDS 20413+3012	Magnitudes: 0.0 and 0.0 mag , Separation: 64578.8" Positionangle: 316° RA=20h41.3m Dec=+30°11' (constellation Cygnus) Best seen from 20.3h -23.4h at max. altitude 24° (Linear solution; Periastron-Year: 2217, min. separation: 73.4")
20.7h	 Binary Star (super-wide split) 53 Aqr (SAO 165077, WDS 22266-1645) Components AB	Magnitudes: 6.3 and 6.4 mag , Separation: 1.3" Positionangle: 34° RA=22h26.6m Dec=-16°45' (constellation Aquarius) Best seen from 20.3h - 3.3h at max. altitude 74° (Orbit solution; Periastron-Year: 2023, min. separation: 1.5", period: 3500 years)
21.4h	 Binary Star WDS 23052-0742 Components AB-C	Magnitudes: 5.5 and 7.2 mag , Separation: 254.5" Positionangle: 149° RA=23h05.2m Dec= -7°42' (constellation Aquarius) Best seen from 20.3h - 3.5h at max. altitude 65° (WDS catalog)
21.4h	 Binary Star SAO 73010, WDS 23075+3250	Magnitudes: 6.3 and 7.5 mag , Spectral type A3V, Separation: 8.1" Positionangle: 143° RA=23h07.5m Dec=+32°50' (constellation Pegasus) Best seen from 20.3h - 1.7h at max. altitude 25° (WDS catalog)

23.2h	 Binary Star 77 Psc (SAO 109666, WDS 01058+0455) Components AB	Magnitudes: 6.4 and 7.3 mag , Spectral type F3V F5V, Separation: 32.9" Positionangle: 83° RA= 1h05.8m Dec= +4°54' (constellation Pisces) Best seen from 20.3h - 5.0h at max. altitude 53° (WDS catalog)
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Sunday 2 November 2008

Time	Object (Link)	Event
0.2h	 Binary Star (very wide split) Alp Psc (WDS 02020+0246) Components AB	Magnitudes: 4.1 and 5.2 mag , Separation: 1.8" Positionangle: 265° RA= 2h02.0m Dec= +2°46' (constellation Pisces) Best seen from 20.3h - 5.0h at max. altitude 55° (Orbit solution; Periastron-Year: 2099, min. separation: 1.2", period: 933 years)
1.5h	 Binary Star Zet2 Ret (SAO 248774, WDS 03182-6230) Components Aa- B	Magnitudes: 5.3 and 5.6 mag , Spectral type G2V, Separation: 309.2" Positionangle: 217° RA= 3h18.2m Dec=-62°30' (constellation Reticulum) Best seen from 20.3h - 5.0h at max. altitude 60° (WDS catalog)
2.0h	 Binary Star (fairly close split) 31 Tau (SAO 111469, WDS 03520+0632)	Magnitudes: 6.3 and 6.6 mag , Spectral type B5V, Separation: 0.7" Positionangle: 208° RA= 3h52.0m Dec= +6°32' (constellation Taurus) Best seen from 20.3h - 5.0h at max. altitude 51° (WDS catalog)
3.4h	 Binary Star WDS 05154+3241 Components AC.	Magnitudes: 5.0 and 7.3 mag , Spectral type F3V, Separation: 14.1" Positionangle: 225° RA= 5h15.4m Dec=+32°41' (constellation Auriga) Best seen from 20.3h - 5.0h at max. altitude 25° This pair is non-physical (WDS catalog)
3.9h	 Binary Star ADS 4334 (WDS 05445- 2227)	Magnitudes: 0.0 and 0.0 mag , Separation: 228255.5" Positionangle: 101° RA= 5h44.4m Dec=-22°25' (constellation Lepus) Best seen from 20.9h - 5.0h at max. altitude 80° (Linear solution; Periastron-Year: 1769, min. separation: 90.0")
5.0h	 Binary Star ADS 5425 (WDS 06467+4335)	Magnitudes: 0.0 and 0.0 mag , Separation: 108717.1" Positionangle: 354° RA= 6h46.7m Dec=+43°35' (constellation Auriga) Best seen from 1.4h - 5.0h at max. altitude 14° (Linear solution; Periastron-Year: 2139, min. separation: 96.1")
5.0h	 Binary Star (fairly close split) WDS 08147-7348	Magnitudes: 7.3 and 7.5 mag , Spectral type A8III, Separation: 0.8" Positionangle: 107° RA= 8h14.7m Dec=-73°48' (constellation Volans) Best seen from 20.3h - 5.0h at max. altitude 47° (WDS catalog)

5.0h	 Binary Star ADS 6967 (WDS 08447+1809)	Magnitudes: 0.0 and 0.0 mag , Separation: 39718.7" Positionangle: 95° RA= 8h44.7m Dec=+18°09' (constellation Cancer) Best seen from 1.7h - 5.0h at max. altitude 32° (Linear solution; Periastron-Year: 1956, min. separation: 46.7")
5.0h	 Binary Star Tau1 Hya (SAO 136895, WDS 09291- 0246).	Magnitudes: 4.6 and 7.3 mag , Spectral type F6V, Separation: 66.2" Positionangle: 5° RA= 9h29.1m Dec= -2°46' (constellation Hydra) Best seen from 1.6h - 5.0h at max. altitude 42° (WDS catalog)
5.0h	 Binary Star (super- wide split) SAO 99032, WDS 10163+1744	Magnitudes: 7.2 and 7.5 mag , Separation: 1.5" Positionangle: 179° RA=10h16.3m Dec=+17°44' (constellation Leo) Best seen from 3.2h - 5.0h at max. altitude 19° (Orbit solution; Periastron-Year: 1816, min. separation: 0.3", period: 670 years)
5.0h	 Binary Star Adhafera, Zet Leo (SAO 81265, WDS 10167+2325).	Magnitudes: 3.5 and 6.0 mag , Spectral type F0III, Separation: 334.7" Positionangle: 338° RA=10h16.7m Dec=+23°25' (constellation Leo) Best seen from 3.5h - 5.0h at max. altitude 15° This pair is non-physical (WDS catalog)
5.0h	 Binary Star WDS 10244+3411	Magnitudes: 7.2 and 7.3 mag , Spectral type M4/6III, Separation: 208.5" Positionangle: 288° RA=10h24.4m Dec=+34°11' (constellation Leo Minor) Best seen from 4.3h - 5.0h at max. altitude 6° (WDS catalog)
5.0h	 Binary Star WDS 12266-6306 Components BC.	Magnitudes: 2.3 and 6.0 mag , Separation: 90.3" Positionangle: 205° RA=12h26.6m Dec=-63°06' (constellation Crux) Best seen from 22.6h - 5.0h at max. altitude 31° (WDS catalog)
5.0h	 Binary Star WDS 13515-4818	Magnitudes: 7.4 and 7.4 mag , Spectral type G6III:, Separation: 30.5" Positionangle: 131° RA=13h51.5m Dec=-48°18' (constellation Centaurus) Best seen from 3.0h - 5.0h at max. altitude 14° (WDS catalog)
5.0h	 Binary Star (very wide split) Mu CMa (SAO 152123, WDS 06561-1403) Components AB	Magnitudes: 5.3 and 7.1 mag , Spectral type G5III+A2, Separation: 3.2" Positionangle: 345° RA= 6h56.1m Dec=-14°03' (constellation Canis Major) Best seen from 22.5h - 5.0h at max. altitude 72° (WDS catalog)
5.0h	 Binary Star SAO 235110, WDS	Magnitudes: 6.0 and 6.5 mag , Spectral type F0-2IV-V, Separation: 9.0" Positionangle: 26° RA= 7h20.4m Dec=-52°19' (constellation Carina) Best seen from 20.3h - 5.0h at max. altitude

	07204-5219	69° (WDS catalog)
	 R Leo	MAXIMUM of Variable Star, Magnitude=4.4mag Type=M Minimum=11.3mag Period=309.9days RA= 9h47.6m Dec=+11°26'

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