




Friday 28 October 2011

Time	Object (Link)	Event
	Observer Site	Lostock NSW Australia, Australia WGS84: Lon: +151d25m30.3s Lat: -32d18m53.4s Alt: 204m All times in UTC+11
20.3h	 Binary Star (super-wide split) 54 Hya (SAO 182855, WDS 14460-2527) .	Magnitudes: 5.1 and 7.2 mag , Spectral type F2V, Separation: 7.9" Positionangle: 124° RA=14h46.0m Dec=-25°27' (constellation Hydra) Best seen from 20.2h -20.4h ($h_{\text{top}}=3^\circ$ at 20.2h) (WDS catalog)
20.3h	 Binary Star (tiny gap split) Gam Cir (SAO 242463, WDS 15234-5919)	Magnitudes: 4.9 and 5.7 mag , Separation: 0.8" (visual limit for separation: 0.1") Positionangle: 360° RA=15h23.4m Dec=-59°19' (constellation Circinus) Best seen from 20.2h - 1.9h ($h_{\text{top}}=25^\circ$ at 20.2h) (Orbit data may be unreliable) (Orbit solution; Periastron-Year: 2075, min. separation: 0.2", period: 258 years)
20.3h	 Binary Star (very wide split) 24 Oph (SAO 184822, WDS 16568-2309)	Magnitudes: 6.2 and 6.3 mag , Spectral type A0V, Separation: 1.1" Positionangle: 304° RA=16h56.8m Dec=-23°09' (constellation Ophiuchus) Best seen from 20.2h -22.4h ($h_{\text{top}}=27^\circ$ at 20.2h) (WDS catalog)
20.3h	 Binary Star SAO 227123, WDS 16439-4107 Components AB	Magnitudes: 6.1 and 6.2 mag , Spectral type B6-7V, Separation: 97.6" Positionangle: 258° RA=16h43.9m Dec=-41°07' (constellation Scorpius) Best seen from 20.2h -23.4h ($h_{\text{top}}=31^\circ$ at 20.2h) (WDS catalog)
20.3h	 Binary Star (super-wide split) Rho Oph (SAO 184382, WDS 16256-2327) Components AB	Magnitudes: 5.1 and 5.7 mag , Separation: 2.9" Positionangle: 338° RA=16h25.6m Dec=-23°27' (constellation Ophiuchus) Best seen from 20.2h -21.9h ($h_{\text{top}}=21^\circ$ at 20.2h) (Orbit solution; Periastron-Year: 2327, min. separation: 1.4", period: 2398 years)
20.3h	 Binary Star (wide split) SAO 103161, WDS 17520+1520 Components AB	Magnitudes: 7.2 and 7.4 mag , Spectral type G8III, Separation: 0.8" Positionangle: 168° RA=17h52.0m Dec=+15°20' (constellation Hercules) Best seen from 20.2h -21.7h ($h_{\text{top}}=17^\circ$ at 20.2h) (WDS catalog)
20.3h	 Binary Star (tiny gap split) SAO 122950, WDS 17571+0004	Magnitudes: 6.9 and 6.6 mag , Separation: 0.5" (visual limit for separation: 0.1") Positionangle: 101° RA=17h57.1m Dec= +0°04' (constellation Ophiuchus) Best seen from 20.2h -22.4h ($h_{\text{top}}=28^\circ$ at 20.2h) (Orbit solution; Periastron-Year: 1983, min. separation: 0.4", period: 368 years)




20.3h	 Binary Star WDS 17521+0107	Magnitudes: 6.7 and 7.3 mag , Spectral type dK0 A0, Separation: 79.0" Positionangle: 237° RA=17h52.1m Dec= +1°07' (constellation Ophiuchus) Best seen from 20.2h -22.3h ($h_{\text{top}}=26^\circ$ at 20.2h) (WDS catalog)
20.3h	 Binary Star 53 Oph (SAO 122526, WDS 17346+0935) Components AB	Magnitudes: 5.8 and 7.5 mag , Spectral type A2V, Separation: 41.8" Positionangle: 190° RA=17h34.6m Dec= +9°35' (constellation Ophiuchus) Best seen from 20.2h -21.6h ($h_{\text{top}}=18^\circ$ at 20.2h) (WDS catalog)
20.3h	 Binary Star (super-wide split) SAO 227971, WDS 17269-4551 Components AB	Magnitudes: 5.6 and 6.5 mag , Spectral type B7V+B9.5V, Separation: 2.1" Positionangle: 251° RA=17h26.9m Dec=-45°51' (constellation Ara) Best seen from 20.2h - 0.6h ($h_{\text{top}}=40^\circ$ at 20.2h) (WDS catalog)
20.3h	 Binary Star WDS 16540-4148 Components AF	Magnitudes: 5.5 and 6.6 mag , Separation: 56.5" Positionangle: 20° RA=16h54.0m Dec=-41°48' (constellation Scorpius) Best seen from 20.2h -23.6h ($h_{\text{top}}=33^\circ$ at 20.2h) (WDS catalog)
20.3h	 Binary Star (super-wide split) SAO 228708, WDS 18068-4325	Magnitudes: 5.7 and 5.7 mag , Separation: 1.7" Positionangle: 2° RA=18h06.8m Dec=-43°25' (constellation Corona Australis) Best seen from 20.2h - 1.0h ($h_{\text{top}}=47^\circ$ at 20.2h) (Orbit solution; Periastron-Year: 1855, min. separation: 0.7", period: 450 years)
20.3h	 Binary Star SAO 48193, WDS 19121+4951 Components AB	Magnitudes: 6.5 and 6.7 mag , Separation: 7.3" Positionangle: 205° RA=19h12.1m Dec=+49°51' (constellation Cygnus) Best seen from 20.2h -20.4h ($h_{\text{top}}=2^\circ$ at 20.2h) (Orbit solution; Periastron-Year: 2520, min. separation: 6.4", period: 3100 years)
20.3h	 Binary Star (touching split) Ascella, Zet Sgr (SAO 187600, WDS 19026-2953) Components AB	Magnitudes: 3.3 and 3.5 mag, Separation: 0.4" (visual limit for separation: 0.1") Positionangle: 279° RA=19h02.6m Dec=-29°53' (constellation Sagittarius) Best seen from 20.2h - 0.9h ($h_{\text{top}}=56^\circ$ at 20.2h) (Orbit solution; Periastron-Year: 2006, min. separation: 0.4", period: 21 years)
20.3h	 Binary Star V695 Cyg, 31 Cyg (SAO 49337, WDS 20136+4644) Components Aa-C.	Magnitudes: 3.9 and 7.0 mag , Separation: 107.6" Positionangle: 173° RA=20h13.6m Dec=+46°44' (constellation Cygnus) Best seen from 20.2h -21.9h ($h_{\text{top}}=9^\circ$ at 20.2h) (WDS catalog)
22.6h	 Binary Star (wide split)	Magnitudes: 5.0 and 7.2 mag , Spectral type B1V, Separation: 3.2" Positionangle: 327° RA=23h59.0m Dec=+55°45' (constellation Cassiopeia) Best seen from 20.2h -23.9h ($h_{\text{top}}=2^\circ$ at 22.4h) (WDS catalog)

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Saturday 29 October 2011

Time	Object (Link)	Event
0.4h	 Binary Star ADS 1534 (WDS 01562+3715)	Magnitudes: 5.8 and 6.1 mag , Separation: 202.3" Positionangle: 297° RA= 1h56.2m Dec=+37°15' (constellation Andromeda) Best seen from 20.2h - 4.5h ($h_{\text{top}}=20^\circ$ at 0.4h) (Linear solution; Periastron-Year: 1036, min. separation: 110.4")
0.7h	 Binary Star (super-wide split) 6 Tri (SAO 55347, WDS 02124+3018)	Magnitudes: 5.3 and 6.7 mag , Spectral type G0III, Separation: 3.9" Positionangle: 69° RA= 2h12.4m Dec=+30°18' (constellation Triangulum) Best seen from 20.2h - 5.1h ($h_{\text{top}}=27^\circ$ at 0.7h) (WDS catalog)
1.5h	 Binary Star (very wide split) Eps Ari (SAO 75673, WDS 02592+2120) Components AB	Magnitudes: 5.2 and 5.6 mag , Spectral type A2Vs A2Vs, Separation: 1.4" Positionangle: 208° RA= 2h59.2m Dec=+21°20' (constellation Aries) Best seen from 20.2h - 5.1h ($h_{\text{top}}=36^\circ$ at 1.4h) (WDS catalog)
1.5h	 Binary Star (very wide split) Eps Ari (SAO 75673, WDS 02592+2120) Components AB	Magnitudes: 5.2 and 5.6 mag , Separation: 1.4" Positionangle: 209° RA= 2h59.2m Dec=+21°20' (constellation Aries) Best seen from 20.2h - 5.1h ($h_{\text{top}}=36^\circ$ at 1.4h) (Orbit solution; Periastron-Year: 1920, min. separation: 1.5", period: 1216 years)
2.2h	 Binary Star WDS 03446+2754 Components AB	Magnitudes: 6.8 and 6.9 mag , Spectral type F4V, Separation: 134.8" Positionangle: 52° RA= 3h44.6m Dec=+27°54' (constellation Taurus) Best seen from 20.2h - 5.1h ($h_{\text{top}}=30^\circ$ at 2.2h) (WDS catalog)
3.0h	 Binary Star WDS 04306+1542 Components AC	Magnitudes: 5.5 and 5.7 mag , Separation: 476.8" Positionangle: 247° RA= 4h30.6m Dec=+15°41' (constellation Taurus) Best seen from 21.7h - 5.1h ($h_{\text{top}}=42^\circ$ at 3.0h) (WDS catalog)
3.1h	 Binary Star ADS 3353 (WDS 04385+2656)	Magnitudes: 7.4 and 7.2 mag , Separation: 4.3" Positionangle: 189° RA= 4h38.5m Dec=+26°56' (constellation Taurus) Best seen from 20.2h - 5.1h ($h_{\text{top}}=31^\circ$ at 3.1h) (Linear solution; Periastron-Year: 1701, min. separation: 3.2")
3.9h	 Binary Star (super-wide split) SAO 249281, WDS 05270-6837	Magnitudes: 6.7 and 7.0 mag , Spectral type F0IV-V, Separation: 1.5" Positionangle: 159° RA= 5h27.0m Dec=-68°37' (constellation Dorado) Best seen from 20.2h - 5.1h ($h_{\text{top}}=54^\circ$ at 3.9h) (WDS catalog)

4.1h	 Binary Star WDS 05387-0236 Components AB,D.	Magnitudes: 3.8 and 6.6 mag , Separation: 12.7" Positionangle: 84° RA= 5h38.7m Dec= -2°36' (constellation Orion) Best seen from 22.0h - 5.1h ($h_{\text{top}}=60^\circ$ at 4.1h) (WDS catalog)
4.9h	 Binary Star Eps Mon (SAO 113810, WDS 06238+0436) Components AB.	Magnitudes: 4.4 and 6.6 mag , Spectral type A5IV F5V, Separation: 12.1" Positionangle: 29° RA= 6h23.8m Dec= +4°36' (constellation Monoceros) Best seen from 23.0h - 5.1h ($h_{\text{top}}=53^\circ$ at 4.8h) This pair is non-physical (WDS catalog)
5.0h	 Binary Star WDS 06323+1747 Components AB	Magnitudes: 6.3 and 6.9 mag , Spectral type F8III, Separation: 19.7" Positionangle: 211° RA= 6h32.3m Dec=+17°47' (constellation Gemini) Best seen from 23.8h - 5.1h ($h_{\text{top}}=40^\circ$ at 5.0h) (WDS catalog)
5.0h	 Binary Star (fairly close split) SAO 115773, WDS 07401+0514 Components AB	Magnitudes: 6.5 and 7.0 mag , Spectral type A0III, Separation: 0.9" Positionangle: 174° RA= 7h40.1m Dec= +5°14' (constellation Canis Minor) Best seen from 0.4h - 5.1h ($h_{\text{top}}=49^\circ$ at 5.0h) (WDS catalog)
5.0h	 Binary Star (touching split) 9 Pup (SAO 153500, WDS 07518-1354)	Magnitudes: 5.6 and 6.5 mag, Separation: 0.5" (visual limit for separation: 0.1") Positionangle: 289° RA= 7h51.8m Dec=-13°54' (constellation Puppis) Best seen from 23.8h - 5.1h ($h_{\text{top}}=64^\circ$ at 5.0h) (Orbit solution; Periastron-Year: 2009, min. separation: 0.2", period: 23 years)
5.0h	 Binary Star ADS 6251 (WDS 07393+0514)	Magnitudes: 0.4 and 0.0 mag , Separation: 125.5" Positionangle: 320° RA= 7h39.3m Dec= +5°14' (constellation Canis Minor) Best seen from 0.4h - 5.1h ($h_{\text{top}}=49^\circ$ at 5.0h) (Linear solution; Periastron-Year: 1962, min. separation: 112.7")
5.1h	 Binary Star (super-wide split) SAO 223297, WDS 12140-4543	Magnitudes: 5.8 and 7.0 mag , Spectral type K3III, Separation: 2.8" Positionangle: 242° RA=12h14.0m Dec=-45°43' (constellation Centaurus) Best seen from 2.0h - 5.1h ($h_{\text{top}}=25^\circ$ at 5.0h) (WDS catalog)
5.1h	 Binary Star (tiny gap split) SAO 251617, WDS 11519-6512.	Magnitudes: 5.0 and 7.2 mag , Spectral type B4V, Separation: 1.5" (visual limit for separation: 0.2") Positionangle: 158° RA=11h51.9m Dec=-65°12' (constellation Musca) Best seen from 22.4h - 5.1h ($h_{\text{top}}=33^\circ$ at 5.0h) (Orbit data may be unreliable) (WDS catalog)
5.1h	 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 3.4h - 5.1h ($h_{\text{top}}=12^\circ$ at 5.0h) (WDS catalog)
5.1h	 Binary Star (very	Magnitudes: 6.5 and 7.5 mag , Spectral type A1V, Separation: 1.9" Positionangle: 8° RA=13h56.3m Dec=-54°08' (constellation Centaurus)

	 wide split) SAO 241309, WDS 13563-5408 Components AB	Best seen from 2.4h - 5.1h ($h_{\text{top}}=15^\circ$ at 5.0h) (WDS catalog)
5.1h	 Binary Star SAO 198038, WDS 07289-3151	Magnitudes: 6.3 and 7.0 mag , Spectral type B3V B4V, Separation: 8.5" Positionangle: 53° RA= 7h28.9m Dec=-31°51' (constellation Puppis) Best seen from 22.4h - 5.1h ($h_{\text{top}}=79^\circ$ at 5.1h) (WDS catalog)
5.1h	 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 22.8h - 5.1h ($h_{\text{top}}=71^\circ$ at 5.1h) (WDS catalog)

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