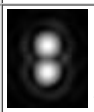
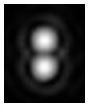
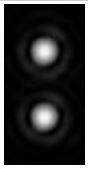
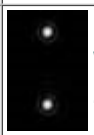
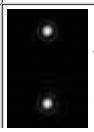
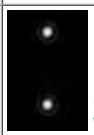
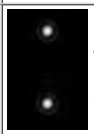
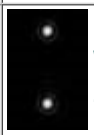
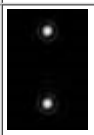
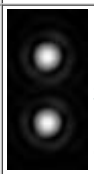
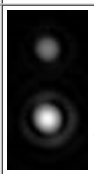
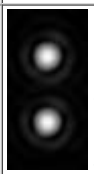
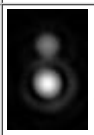
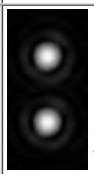
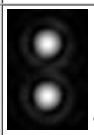
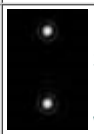
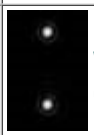
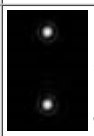
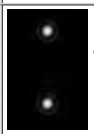
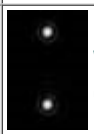
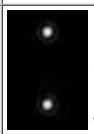
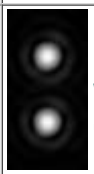
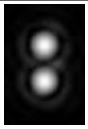
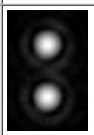
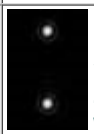
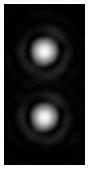
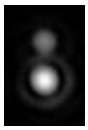
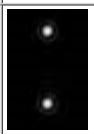
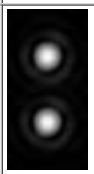
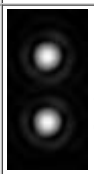
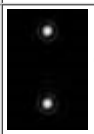
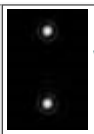
Friday 16 October 2009

Time	Object (Link)	Event
	Observer Site	**Lostock NSW Australia, Australia** **WGS84: Lon: +151d25m30.3s Lat: -32d18m53.4s Alt: 204m** **All times in UTC+11**
0.1h	 Binary Star (touching split) Iot1 Nor (SAO 243279, WDS 16035-5747) Components AB	Magnitudes: 5.2 and 5.8 mag, Separation: 0.4" (visual limit for separation: 0.1") Positionangle: 234° **RA=16h03.5m Dec=-57°46' (constellation Norma)** Best seen from 20.0h - 3.4h at max. altitude 10° (Orbit solution; Periastron-Year: 2018, min. separation: 0.2", period: 27 years)
0.1h	 Binary Star (touching split) SAO 228363, WDS 17447-4244	Magnitudes: 6.6 and 6.6 mag, Spectral type A1V+F0IV, Separation: 0.3" (visual limit for separation: 0.1") Positionangle: 102° **RA=17h44.7m Dec=-42°44' (constellation Scorpius)** Best seen from 20.0h - 1.4h at max. altitude 12° (Orbit data may be unreliable) (WDS catalog)
0.1h	**Binary Star Kap1 CrA (SAO 210296, WDS 18334-3844)**	**Magnitudes: 5.6 and 6.2 mag**, Spectral type B9V A0III, Separation: 20.4" Positionangle: 359° **RA=18h33.4m Dec=-38°44' (constellation Corona Australis)** Best seen from 20.0h - 1.9h at max. altitude 18° (WDS catalog)
0.1h	**Binary Star SAO 246311, WDS 19526-5458**	**Magnitudes: 5.8 and 6.4 mag**, Spectral type K0III A2V, Separation: 22.5" Positionangle: 147° **RA=19h52.6m Dec=-54°58' (constellation Telescopium)** Best seen from 20.0h - 5.3h at max. altitude 36° (WDS catalog)
0.1h	**Binary Star SAO 89505, WDS 21105+2227**	**Magnitudes: 6.7 and 7.4 mag**, Spectral type A1V, Separation: 17.9" Positionangle: 299° **RA=21h10.5m Dec=+22°27' (constellation Vulpecula)** Best seen from 20.0h - 1.4h at max. altitude 15° (WDS catalog)
0.1h	**Binary Star SAO 71280, WDS 21238+3721 Components AB**	**Magnitudes: 6.6 and 6.6 mag**, Spectral type K5, Separation: 364.1" Positionangle: 304° **RA=21h23.8m Dec=+37°21' (constellation Cygnus)** Best seen from 20.0h - 0.7h at max. altitude 6° (WDS catalog)
0.1h	 **Binary Star (very wide split) WDS 21041-0549 Components Aa-B**	**Magnitudes: 5.8 and 7.5 mag**, Separation: 2.5" Positionangle: 196° **RA=21h04.1m Dec= -5°49' (constellation Aquarius)** Best seen from 20.0h - 2.6h at max. altitude 33° (WDS catalog)
0.2h	**Binary Star 29 Aqr (SAO 164830, WDS 22024-1658) Components AB**	**Magnitudes: 7.2 and 7.2 mag**, Spectral type A2V+K0III, Separation: 3.4" Positionangle: 248° **RA=22h02.4m Dec=-16°58' (constellation Aquarius)** Best seen from 20.0h - 4.0h at max. altitude 51° (WDS catalog)
0.2h	 **Binary Star WDS 21440-5720 Components AB**	**Magnitudes: 6.5 and 6.9 mag**, Spectral type F5/7IV/V, Separation: 152.3" Positionangle: 4° **RA=21h44.0m Dec=-57°20' (constellation Indus)** Best seen from 20.0h - 5.3h at max. altitude 51° (WDS catalog)
0.2h	 **Binary Star WDS 22553-4828**	**Magnitudes: 7.1 and 6.7 mag**, Spectral type F5V, Separation: 93.7" Positionangle: 181° **RA=22h55.3m Dec=-48°28' (constellation Grus)** Best seen from 20.0h - 5.3h at max. altitude 64°

	Components AB-CD	
0.2h	 Binary Star SAO 247739, WDS 23072-5041	**Magnitudes: 6.3 and 7.0 mag**, Spectral type F6-7IV-V, Separation: 8.8" Positionangle: 255° **RA=23h07.2m Dec=-50°41' (constellation Grus)** Best seen from 20.0h - 5.3h at max. altitude 65° (WDS catalog)
0.2h	 Binary Star WDS 22359+3938 Components Aa-E	**Magnitudes: 5.7 and 7.2 mag**, Spectral type F0, Separation: 335.7" Positionangle: 240° **RA=22h35.9m Dec=+39°38' (constellation Lacerta)** Best seen from 20.0h - 1.8h at max. altitude 12° (WDS catalog)
0.2h	 Binary Star WDS 22359+3938 Components Aa-B	**Magnitudes: 5.7 and 6.3 mag**, Spectral type B2Ve B5, Separation: 22.4" Positionangle: 186° **RA=22h35.9m Dec=+39°38' (constellation Lacerta)** Best seen from 20.0h - 1.8h at max. altitude 12° (WDS catalog)
0.2h	 Binary Star 107 Aqr (SAO 165867, WDS 23460-1841)	**Magnitudes: 5.7 and 6.5 mag**, Spectral type A9IV F2V, Separation: 6.9" Positionangle: 135° **RA=23h46.0m Dec=-18°41' (constellation Aquarius)** Best seen from 20.0h - 5.3h at max. altitude 71° (WDS catalog)
0.2h	 Binary Star (wide split) 36 And (SAO 74359, WDS 00550+2338) Components AB	**Magnitudes: 6.1 and 6.5 mag**, Separation: 1.1" Positionangle: 323° **RA= 0h55.0m Dec=+23°38' (constellation Andromeda)** Best seen from 20.0h - 5.1h at max. altitude 34° (Orbit solution; Periastron-Year: 1956, min. separation: 0.7", period: 168 years)
1.3h	 Binary Star (super-wide split) Almach, Gam1 And (SAO 37734, WDS 02039+4220) Components A-BC.	**Magnitudes: 2.3 and 5.0 mag**, Spectral type K3IIb, Separation: 9.6" Positionangle: 63° **RA= 2h03.9m Dec=+42°20' (constellation Andromeda)** Best seen from 20.0h - 5.0h at max. altitude 15° (WDS catalog)
1.5h	 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 20.0h - 5.3h at max. altitude 27° (WDS catalog)
2.0h	 Binary Star (tiny gap split) Kaffaljidhmah, Gam Cet (SAO 110707, WDS 02433+0314) Components AB.	**Magnitudes: 3.5 and 6.2 mag**, Spectral type A1V, Separation: 2.3" (visual limit for separation: 0.3") Positionangle: 300° **RA= 2h43.3m Dec= +3°14' (constellation Cetus)** Best seen from 20.0h - 5.3h at max. altitude 54° (WDS catalog)
2.2h	 Binary Star (super-wide split) SAO 23674, WDS 02529+5300	**Magnitudes: 7.0 and 7.3 mag**, Separation: 1.5" Positionangle: 315° **RA= 2h52.9m Dec=+53°00' (constellation Perseus)** Best seen from 20.0h - 4.3h at max. altitude 5° (WDS catalog)

	Components AB-C	
3.2h	 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 21.4h - 5.3h at max. altitude 51° (WDS catalog)
3.2h	 Binary Star 32 Eri (SAO 130806, WDS 03543-0257) Components AB	**Magnitudes: 4.8 and 5.9 mag**, Spectral type G8III A2V, Separation: 6.9" Positionangle: 348° **RA= 3h54.3m Dec= -2°57' (constellation Eridani)** Best seen from 21.1h - 5.3h at max. altitude 61° (WDS catalog)
4.7h	 Binary Star WDS 05248-5219 Components AB-C	**Magnitudes: 6.2 and 6.7 mag**, Spectral type A0V A2V, Separation: 38.1" Positionangle: 289° **RA= 5h24.8m Dec=-52°19' (constellation Pictor)** Best seen from 20.0h - 5.3h at max. altitude 70° (WDS catalog)
4.7h	 Binary Star SAO 150442, WDS 05260-1942	**Magnitudes: 5.9 and 7.3 mag**, Spectral type F5IV, Separation: 26.7" Positionangle: 318° **RA= 5h26.0m Dec=-19°42' (constellation Lepus)** Best seen from 21.8h - 5.3h at max. altitude 77° This pair is non-physical (WDS catalog)
4.9h	 Binary Star The2 Ori (SAO 132321, WDS 05354-0525)	**Magnitudes: 5.0 and 5.1 mag**, Separation: 133.2" Positionangle: 316° **RA= 5h35.4m Dec= -5°25' (constellation Orion)** Best seen from 22.6h - 5.3h at max. altitude 63° (WDS catalog)
5.4h	 Binary Star WDS 07366-1429 Components AB	**Magnitudes: 7.0 and 7.3 mag**, Spectral type B6V B6V, Separation: 7.4" Positionangle: 305° **RA= 7h36.6m Dec=-14°29' (constellation Puppis)** Best seen from 0.3h - 5.3h at max. altitude 62° (WDS catalog)
5.4h	 Binary Star SAO 174198, WDS 07388-2648 Components AB	**Magnitudes: 4.4 and 4.6 mag**, Spectral type B6V B6V, Separation: 9.8" Positionangle: 318° **RA= 7h38.8m Dec=-26°48' (constellation Puppis)** Best seen from 23.7h - 5.3h at max. altitude 69° (WDS catalog)
5.4h	Binary Star ADS 6251 (WDS 07393+0514)	**Magnitudes: 0.4 and 0.0 mag**, Separation: 124.5" Positionangle: 319° **RA= 7h39.3m Dec= +5°14' (constellation Canis Minor)** Best seen from 1.1h - 5.3h at max. altitude 46° (Linear solution; Periastron-Year: 1962, min. separation: 112.7")
5.4h	 Binary Star (wide split) WDS 08160+1842 Components Aa	**Magnitudes: 7.5 and 7.5 mag**, Spectral type K0, Separation: 0.8" Positionangle: 0° **RA= 8h16.0m Dec=+18°42' (constellation Cancer)** Best seen from 2.4h - 5.3h at max. altitude 30° (WDS catalog)
5.4h	 Binary Star (tiny gap split) 5 Pup (SAO 153414, WDS 07479-1212)	**Magnitudes: 5.7 and 7.3 mag**, Spectral type dF5, Separation: 1.3" (visual limit for separation: 0.1") Positionangle: 349° **RA= 7h47.9m Dec=-12°12' (constellation Puppis)** Best seen from 0.5h - 5.3h at max. altitude 59° (WDS catalog)

5.4h	Binary Star WDS 08525+2816	**Magnitudes: 6.5 and 6.0 mag**, Separation: 271.6" Positionangle: 19° **RA= 8h52.5m Dec=+28°16' (constellation Cancer)** Best seen from 3.5h - 5.3h at max. altitude 17° (Linear solution; Periastron-Year: 2375, min. separation: 193.6")
5.4h	 Binary Star (fairly close split) Del1 Cha (SAO 258592, WDS 10453-8028)	**Magnitudes: 6.2 and 6.5 mag**, Spectral type K0III, Separation: 0.9" Positionangle: 87° **RA=10h45.3m Dec=-80°28' (constellation Chamaeleon)** Best seen from 22.0h - 5.3h at max. altitude 35° (WDS catalog)
5.4h	 Binary Star SAO 222126, WDS 10320-4504	**Magnitudes: 5.6 and 6.0 mag**, Spectral type B8, Separation: 13.5" Positionangle: 219° **RA=10h32.0m Dec=-45°04' (constellation Vela)** Best seen from 1.2h - 5.3h at max. altitude 38° (WDS catalog)
5.4h	 Binary Star (super-wide split) SAO 222687, WDS 11165-4553	**Magnitudes: 7.0 and 7.3 mag**, Spectral type F3V, Separation: 2.6" Positionangle: 276° **RA=11h16.5m Dec=-45°53' (constellation Centaurus)** Best seen from 1.8h - 5.3h at max. altitude 30° (WDS catalog)
5.4h	 Binary Star (tiny gap split) Mu Vel (SAO 222321, WDS 10468-4925).	**Magnitudes: 2.8 and 5.7 mag**, Separation: 2.6" (visual limit for separation: 0.3") Positionangle: 56° **RA=10h46.8m Dec=-49°25' (constellation Vela)** Best seen from 0.9h - 5.3h at max. altitude 36° (Orbit solution; Periastron-Year: 1951, min. separation: 0.2", period: 138 years)
5.4h	 Binary Star Del Cen (SAO 239689, WDS 12084-5043) Components AB	**Magnitudes: 2.5 and 4.4 mag**, Spectral type B2IVne, Separation: 274.7" Positionangle: 325° **RA=12h08.4m Dec=-50°43' (constellation Centaurus)** Best seen from 2.0h - 5.3h at max. altitude 24° (WDS catalog)
5.4h	Binary Star WDS 12312-5707.	**Magnitudes: 1.8 and 6.5 mag**, Separation: 129.4" Positionangle: 25° **RA=12h31.2m Dec=-57°07' (constellation Crux)** Best seen from 0.6h - 5.3h at max. altitude 23° (Linear solution; Periastron-Year: 1568, min. separation: 66.7")
20.0h	 Binary Star (super-wide split) WDS 16044-1122 Components BC	**Magnitudes: 5.3 and 7.3 mag**, Separation: 6.4" Positionangle: 48° **RA=16h04.4m Dec=-11°22' (constellation Scorpius)** Best seen from 20.0h -21.8h at max. altitude 23° (WDS catalog)
20.0h	 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: 303° **RA=16h56.8m Dec=-23°09' (constellation Ophiuchus)** Best seen from 20.0h -23.3h at max. altitude 40° (WDS catalog)
20.0h	 Binary Star Omi Oph (SAO 185238, WDS 17180-2417)	**Magnitudes: 5.2 and 6.6 mag**, Spectral type G8III, Separation: 10.0" Positionangle: 355° **RA=17h18.0m Dec=-24°17' (constellation Ophiuchus)** Best seen from 20.0h -23.7h at max. altitude 45° (WDS catalog)

20.1h	 **Binary Star WDS 18267+2627** **Components Aa**	**Magnitudes: 6.5 and 7.1 mag**, Separation: 162.9" Positionangle: 286° **RA=18h26.7m Dec=+26°27' (constellation Hercules)** Best seen from 20.0h -22.5h at max. altitude 23° (WDS catalog)

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