

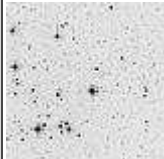

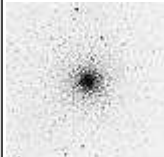


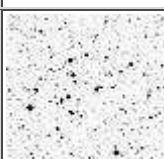
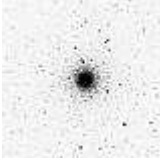
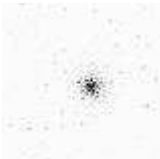



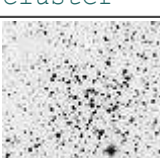





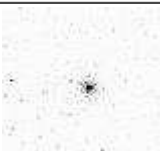

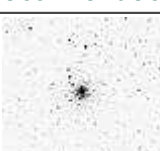
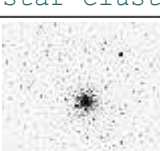
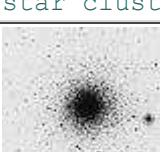


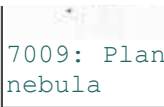
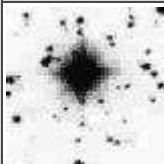
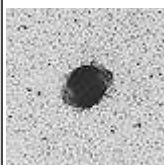




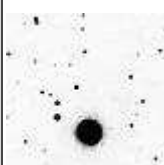





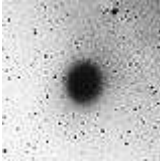



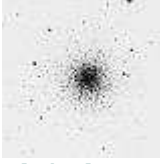
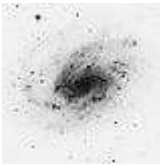
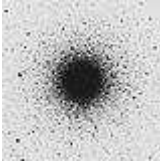

Friday 28 October 2011

Time	Object (Link)	Event
	Observer Site	<p>Lostock NSW Australia, Australia</p> <p>WGS84: Lon: +151d25m30.3s Lat: -32d18m53.4s Alt: 204m</p> <p>All times in UTC+11</p>
19.9h	 <p>NGC 6605: Open star cluster</p>	<p>NGC 6605 Magnitude=6mag</p> <p>RA=18h17.1m Dec=-14°58' (in constellation Serpens Cauda/Ser) best seen between 19.9h -23.0h ($h_{top}=44^\circ$ at 19.9h).</p> <p>cluster, little rich, little compressed, stars 10...12 mag</p>
19.9h	 <p>NGC 6322: Open star cluster</p>	<p>NGC 6322 Magnitude=6mag Diameter=10'</p> <p>RA=17h18.5m Dec=-42°57' (in constellation Scorpius/Sco) best seen between 19.9h -23.5h ($h_{top}=41^\circ$ at 19.9h).</p> <p>cluster, very large, pretty rich, little compressed (place of star north following)</p>
19.9h	 <p>NGC 5662: Open star cluster</p>	<p>NGC 5662 Magnitude=5.5mag Diameter=12'</p> <p>RA=14h35.2m Dec=-56°33' (in constellation Centaurus/Cen) best seen between 19.9h -22.4h ($h_{top}=20^\circ$ at 19.9h).</p> <p>cluster, large, pretty rich, little compressed, stars 9... mag</p>
19.9h	 <p>NGC 6494: Open star cluster</p>	<p>M 23 (NGC 6494) Magnitude=5.5mag Diameter=27'</p> <p>RA=17h56.8m Dec=-19°01' (in constellation Sagittarius/Sgr) best seen between 19.9h -22.8h ($h_{top}=41^\circ$ at 19.9h).</p> <p>cluster, bright, very large, pretty rich, little compressed, stars 10... mag; = Messier 23</p>
19.9h	 <p>NGC 6121: Globular star cluster</p>	<p>M 4 (NGC 6121) Magnitude=5.9mag Diameter=26.3'</p> <p>RA=16h23.6m Dec=-26°32' (in constellation Scorpius/Sco) best seen between 19.9h -21.6h ($h_{top}=25^\circ$ at 19.9h).</p> <p>cluster, 8 or 10 bright stars line, with 5 stars, well resolved; = Messier 4</p>
19.9h	 <p>NGC 6656: Globular star cluster</p>	<p>M 22 (NGC 6656) Magnitude=5.1mag Diameter=24'</p> <p>RA=18h36.4m Dec=-23°54' (in constellation Sagittarius/Sgr) best seen between 19.9h -23.7h ($h_{top}=52^\circ$ at 19.9h).</p> <p>very remarkable, globular cluster, very bright, very large, round, very rich, very much compressed, stars 11...15 mag; (in the) middle</p>
19.9h	 <p>NGC 6523: Emission or reflection nebula</p>	<p>Hourglass nebula, Lagoon nebula, M 8 (NGC 6523) Magnitude=5.8mag Diameter=90'</p> <p>RA=18h03.8m Dec=-24°23' (in constellation Sagittarius/Sgr) best seen between 19.9h -23.2h ($h_{top}=45^\circ$ at 19.9h).</p> <p>magnificent or interesting very bright, extremely large, extremely irregular figure, with large cluster; = Messier 8</p>
20.2h	 <p>NGC 7063: Open star cluster</p>	<p>NGC 7063 Magnitude=7mag Diameter=8'</p> <p>RA=21h24.4m Dec=+36°30' (in constellation Cygnus/Cyg) best seen between 20.2h -22.0h ($h_{top}=21^\circ$ at 20.2h).</p> <p>cluster, sparse, stars 10... mag</p>

	cluster	
20.2h	 NGC 6388: Globular star cluster	NGC 6388 Magnitude=6.9mag Diameter=8.7' RA=17h36.3m Dec=-44°44' (in constellation Scorpius/Sco) best seen between 20.2h -22.8h (h _{top} =42° at 20.2h). globular cluster, very bright, large, round, pretty gradually, pretty suddenly very much brighter in the middle, well resolved, stars 17... mag
20.2h	 NGC 5986: Globular star cluster	NGC 5986 Magnitude=7.1mag Diameter=9.8' RA=15h46.1m Dec=-37°47' (in constellation Lupus/Lup) best seen between 20.2h -20.6h (h _{top} =20° at 20.2h). remarkable, globular cluster, very bright, large, round, very gradually brighter (in the) middle, stars 13...15 mag
20.2h	 NGC 6273: Globular star cluster	M 19 (NGC 6273) Magnitude=7.2mag Diameter=13.5' RA=17h02.6m Dec=-26°16' (in constellation Ophiuchus/Oph) best seen between 20.2h -21.4h (h _{top} =30° at 20.2h). globular cluster, very bright, large, round, very compressed (in the) middle, well resolved, stars 16 mag; = Messier 19
20.4h	 NGC 6738: Open star cluster	NGC 6738 Magnitude=8mag Diameter=15' RA=19h01.4m Dec=+11°36' (in constellation Aquila/Aql) best seen between 20.4h -21.7h (h _{top} =29° at 20.4h). cluster, sparse, little compressed
20.4h	 NGC 6664: Open star cluster	NGC 6664 Magnitude=7.8mag Diameter=16' RA=18h36.7m Dec= -8°13' (in constellation Scutum/Sct) best seen between 20.4h -22.2h (h _{top} =38° at 20.4h). cluster, large, pretty rich, very little compressed
20.4h	 NGC 6649: Open star cluster	NGC 6649 Magnitude=8.9mag Diameter=6' RA=18h33.5m Dec=-10°24' (in constellation Scutum/Sct) best seen between 20.4h -22.3h (h _{top} =38° at 20.4h). cluster, sparse, little compressed, pretty small, stars 9-10 mag, 12...13
20.4h	 NGC 6647: Open star cluster	NGC 6647 Magnitude=8mag RA=18h31.5m Dec=-17°21' (in constellation Sagittarius/Sgr) best seen between 20.4h -22.5h (h _{top} =41° at 20.4h). cluster, large, rich, little compressed, stars very small
20.4h	 NGC 6553: Globular star cluster	NGC 6553 Magnitude=8.3mag Diameter=8.1' RA=18h09.3m Dec=-25°54' (in constellation Sagittarius/Sgr) best seen between 20.4h -22.5h (h _{top} =40° at 20.4h). globular cluster, faint, large, little extended, very gradually little brighter (in the) middle, partially resolved, stars 20 mag
20.4h	 NGC 6496: Nebula(e) + cluster	NGC 6496 Magnitude=9.2mag Diameter=6.9' RA=17h59.0m Dec=-44°16' (in constellation Scorpius/Sco) best seen between 20.4h -23.2h (h _{top} =43° at 20.4h). nebula(e) + cluster, pretty large, much extended,

	6496: Globular star cluster	gradually very little brighter in the middle
20.4h	 NGC 6352: Globular star cluster	NGC 6352 Magnitude=8.2mag Diameter=7.1' RA=17h25.5m Dec=-48°25' (in constellation Ara/Ara) best seen between 20.4h -22.9h ($h_{\text{top}}=38^\circ$ at 20.4h). cluster (not nebula(e)), pretty faint, large
20.4h	 NGC 6304: Globular star cluster	NGC 6304 Magnitude=8.4mag Diameter=6.8' RA=17h14.5m Dec=-29°28' (in constellation Ophiuchus/Oph) best seen between 20.4h -21.7h ($h_{\text{top}}=30^\circ$ at 20.4h). globular cluster, bright, considerably large, round, little brighter in the middle, well resolved, stars 16 mag
20.4h	 NGC 6293: Globular star cluster	NGC 6293 Magnitude=8.2mag Diameter=7.9' RA=17h10.2m Dec=-26°35' (in constellation Ophiuchus/Oph) best seen between 20.4h -21.5h ($h_{\text{top}}=28^\circ$ at 20.4h). globular cluster, very bright, large, round, pretty suddenly brighter (in the) middle, well resolved, stars 16 mag
20.4h	 NGC 6101: Globular star cluster	NGC 6101 Magnitude=9.3mag Diameter=10.7' RA=16h25.8m Dec=-72°12' (in constellation Apus/Aps) best seen between 20.4h - 1.9h ($h_{\text{top}}=33^\circ$ at 20.4h). globular cluster, pretty faint, large, irregular round, very gradually brighter (in the) middle, partially resolved, stars 14 mag
20.4h	 NGC 6681: Globular star cluster	M 70 (NGC 6681) Magnitude=8.1mag Diameter=7.8' RA=18h43.2m Dec=-32°18' (in constellation Sagittarius/Sgr) best seen between 20.4h -23.3h ($h_{\text{top}}=49^\circ$ at 20.4h). globular cluster, bright, pretty large, round, gradually brighter (in the) middle, stars 14...17 mag; = Messier 70
20.4h	 NGC 6637: Globular star cluster	M 69 (NGC 6637) Magnitude=7.7mag Diameter=7.1' RA=18h31.4m Dec=-32°21' (in constellation Sagittarius/Sgr) best seen between 20.4h -23.1h ($h_{\text{top}}=47^\circ$ at 20.4h). globular cluster, bright, large, round, well resolved, stars 14...16 mag; = Messier 69
20.4h	 NGC 7099: Globular star cluster	M 30 (NGC 7099) Magnitude=7.5mag Diameter=11' RA=21h40.4m Dec=-23°11' (in constellation Capricornus/Cap) best seen between 20.4h - 1.9h ($h_{\text{top}}=80^\circ$ at 20.4h). remarkable, globular cluster, bright, large, little extended, gradually pretty much brighter (in the) middle, stars 12...16 mag; = Messier 30
20.4h	 NGC 6402: Globular star cluster	M 14 (NGC 6402) Magnitude=7.6mag Diameter=11.7' RA=17h37.6m Dec= -3°15' (in constellation Ophiuchus/Oph) best seen between 20.4h -21.0h ($h_{\text{top}}=23^\circ$ at 20.4h). remarkable globular cluster, bright, very large, round, extremely rich, very gradually much brighter in the middle, well resolved, stars 15 mag; =
20.4h	 NGC Saturn nebula (NGC 7009)	Magnitude=8mag Diameter=1.7' RA=21h04.2m Dec=-11°22' (in constellation Aquarius/Aqr) best seen between 20.4h - 0.8h

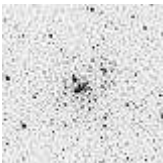
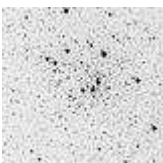
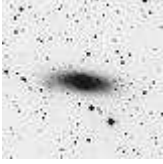




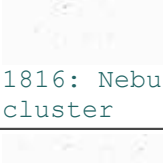
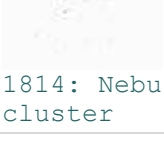
	 7009: Planetary nebula	($h_{\text{top}}=66^\circ$ at 20.4h). magnificent or interesting, planetary nebula, very bright, small, elliptical
20.4h	 NGC 6572: Planetary nebula	NGC 6572 Magnitude=9mag Diameter=0.1' RA=18h12.1m Dec= +6°51' (in constellation Ophiuchus/Oph) best seen between 20.4h -21.2h ($h_{\text{top}}=24^\circ$ at 20.4h). planetary nebula, very bright, very small, round, little hazy
20.4h	 NGC 6853: Planetary nebula	Dumbbell nebula, M 27 (NGC 6853) Magnitude=8.1mag Diameter=15.2' RA=19h59.6m Dec=+22°43' (in constellation Vulpecula/Vul) best seen between 20.4h -22.0h ($h_{\text{top}}=28^\circ$ at 20.4h). magnificent or interesting, very bright, very large, binuclear, irregular extended (Dumbbell); = Messier 27
20.4h	 NGC 6744: Galaxy	NGC 6744 Magnitude=9mag Diameter=15.5' RA=19h09.8m Dec=-63°51' (in constellation Pavo/Pav) best seen between 20.4h - 2.0h ($h_{\text{top}}=49^\circ$ at 20.4h). considerably bright, considerably large, round, very gradually, suddenly very much brighter in the middle, resolvable
20.4h	 IC 4895: Galaxy	IC 4895 Magnitude=8mag Diameter=10' RA=19h45.0m Dec=-14°48' (in constellation Sagittarius/Sgr) best seen between 20.4h -23.6h ($h_{\text{top}}=55^\circ$ at 20.4h). group of nebula(e), 25' diameter; = 6822
20.4h	 NGC 6822: Galaxy	Barnard`s galaxy (NGC 6822) Magnitude=9mag Diameter=10.2' RA=19h44.9m Dec=-14°48' (in constellation Sagittarius/Sgr) best seen between 20.4h -23.6h ($h_{\text{top}}=55^\circ$ at 20.4h). very faint, very small, extended, diffuse; = IC 4895
21.1h	 NGC 7331: Galaxy	NGC 7331 Magnitude=9.5mag Diameter=10.7' RA=22h37.1m Dec=+34°25' (in constellation Pegasus/Peg) best seen between 20.4h -23.5h ($h_{\text{top}}=23^\circ$ at 21.1h). bright, pretty large, pretty much extended 163 degrees, suddenly much brighter in the middle
21.9h	 NGC 7662: Planetary nebula	Blue Snowball (NGC 7662) Magnitude=9mag Diameter=2.2' RA=23h25.9m Dec=+42°33' (in constellation Andromeda/And) best seen between 20.4h -22.2h ($h_{\text{top}}=15^\circ$ at 21.9h). magnificent or interesting planetary nebula or ring, very bright, pretty small, round, blue, variable nucleus
22.4h	 NGC 7793: Galaxy	NGC 7793 Magnitude=9.1mag Diameter=9.1' RA=23h57.8m Dec=-32°35' (in constellation Sculptor/Scl) best seen between 20.4h - 4.6h ($h_{\text{top}}=90^\circ$ at 22.4h). like a comet
22.7h	 NGC 55:	NGC 55 Magnitude=8mag Diameter=32.4' RA= 0h14.9m Dec=-39°11' (in constellation Sculptor/Scl) best seen between 20.4h - 4.8h ($h_{\text{top}}=83^\circ$ at 22.7h). very bright, very large, very much extended,

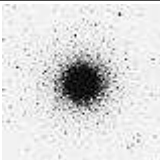



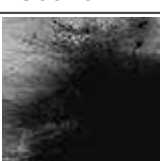



	Galaxy	trinuclear
23.1h	 NGC 205: Galaxy	M 110 (NGC 205) Magnitude=8mag Diameter=17.4' RA= 0h40.4m Dec=+41°41' (in constellation Andromeda/And) best seen between 20.4h - 0.0h (h _{top} =16° at 23.1h). very bright, very large, much extended 165 degrees, very gradually very much brighter in the middle; = Messier 110
23.2h	 NGC 221: Galaxy	M 32 (NGC 221) Magnitude=8.2mag Diameter=7.6' RA= 0h42.7m Dec=+40°52' (in constellation Andromeda/And) best seen between 20.4h - 0.3h (h _{top} =17° at 23.2h). remarkable very very bright, large, round, pretty suddenly much brighter in the middle (to a) nucleus; = Messier 32
23.2h	 NGC 224: Galaxy	Great Nebula in Andromeda, M 31 (NGC 224) Magnitude=3.5mag Diameter=178' RA= 0h42.7m Dec=+41°16' (in constellation Andromeda/And) best seen between 19.7h - 2.9h (h _{top} =16° at 23.2h). magnificent or interesting most extremely bright, extremely large, very much extended (Andromeda); = Messier 31
23.2h	 NGC 246: Planetary nebula	NGC 246 Magnitude=8mag Diameter=3.8' RA= 0h47.0m Dec=-11°53' (in constellation Cetus/Cet) best seen between 20.4h - 4.5h (h _{top} =70° at 23.2h). very faint, large, 4 stars in diffuse nebula(e)
23.2h	 NGC 253: Galaxy	Sculptor galaxy (NGC 253) Magnitude=7.1mag Diameter=25.1' RA= 0h47.6m Dec=-25°17' (in constellation Sculptor/Scl) best seen between 20.2h - 5.1h (h _{top} =83° at 23.2h). very remarkable very very bright, very very large, very much extended 54 degrees, gradually brighter (in the) middle
23.3h	 NGC 288: Globular star cluster	NGC 288 Magnitude=8.1mag Diameter=13.8' RA= 0h52.8m Dec=-26°35' (in constellation Sculptor/Scl) best seen between 20.4h - 4.8h (h _{top} =84° at 23.3h). globular cluster, bright, large, little extended, stars 12...16 mag
23.4h	 NGC 300: Galaxy	NGC 300 Magnitude=9mag Diameter=20' RA= 0h54.9m Dec=-37°41' (in constellation Sculptor/Scl) best seen between 20.4h - 4.8h (h _{top} =85° at 23.4h). pretty bright, very large, very much irregular extended, very gradually pretty much brighter (in the) middle
23.5h	 NGC 362: Globular star cluster	NGC 362 Magnitude=6.6mag Diameter=12.9' RA= 1h03.2m Dec=-70°51' (in constellation Tucana/Tuc) best seen between 20.2h - 5.1h (h _{top} =51° at 23.5h). globular cluster, very bright, very large, very compressed, very much brighter in the middle stars 13-14 mag
23.5h	 IC	IC 1613 Magnitude=9.3mag Diameter=12' RA= 1h04.8m Dec= +2°07' (in constellation Cetus/Cet) best seen between 20.4h - 4.2h (h _{top} =56° at 23.5h).


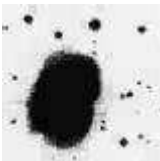

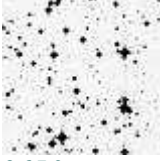
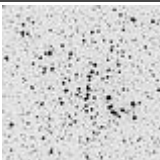
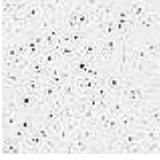
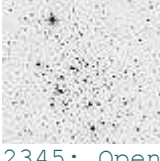
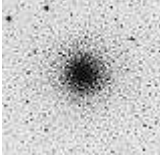
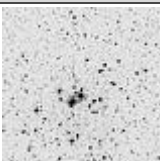

1613: Galaxy

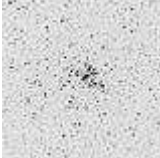
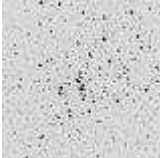

faint, most extremely large

Saturday 29 October 2011

Time	Object (Link)	Event
0.8h	 NGC 869: Open star cluster	Double cluster (NGC 869) Magnitude=4mag Diameter=30' RA= 2h19.0m Dec=+57°09' (in constellation Perseus/Per) best seen between 24.0h - 5.6h (h _{top} =1° at 0.8h). remarkable cluster, very very large, very rich, stars 7...14 mag
0.8h	 NGC 884: Open star cluster	Double cluster (NGC 884) Magnitude=4mag Diameter=30' RA= 2h22.4m Dec=+57°07' (in constellation Perseus/Per) best seen between 0.0h - 5.6h (h _{top} =1° at 0.8h). remarkable cluster, very large, very rich, ruby star (in the) middle
1.1h	 NGC 1023: Galaxy	NGC 1023 Magnitude=9.5mag Diameter=8.7' RA= 2h40.4m Dec=+39°04' (in constellation Perseus/Per) best seen between 23.5h - 4.8h (h _{top} =19° at 1.1h). very bright, very large, very much extended, very very much brighter in the middle
1.2h	 NGC 1097: Galaxy	NGC 1097 Magnitude=9.3mag Diameter=9.3' RA= 2h46.3m Dec=-30°17' (in constellation Fornax/For) best seen between 20.5h - 4.8h (h _{top} =88° at 1.2h). very bright, large, very much extended 151 degrees, very brighter (in the) middle (to a) nucleus
1.8h	 NGC 1313: Galaxy	NGC 1313 Magnitude=9mag Diameter=8.5' RA= 3h18.3m Dec=-66°30' (in constellation Reticulum/Ret) best seen between 20.5h - 4.8h (h _{top} =56° at 1.8h). pretty bright, large, extended, very gradually brighter (in the) middle, resolvable
2.0h	 NGC 1365: Galaxy	NGC 1365 Magnitude=9.5mag Diameter=9.8' RA= 3h33.6m Dec=-36°08' (in constellation Fornax/For) best seen between 20.5h - 4.8h (h _{top} =86° at 2.0h). very remarkable very bright, very large, much extended, resolvable (to a) nucleus
2.2h	 IC 348: Nebulous cluster	IC 348 Magnitude=7.3mag Diameter=10' RA= 3h44.5m Dec=+32°17' (in constellation Perseus/Per) best seen between 23.5h - 4.8h (h _{top} =25° at 2.2h). pretty bright, very large, very gradually brighter (in the) middle
3.5h	 NGC 1816: Nebulous cluster	NGC 1816 Magnitude=9mag RA= 5h03.8m Dec=-67°17' (in constellation Dorado/Dor) best seen between 20.5h - 4.8h (h _{top} =55° at 3.5h). very faint, round, second nebula(e) in cluster
3.5h	 NGC 1814: Nebulous cluster	NGC 1814 Magnitude=9mag RA= 5h03.8m Dec=-67°17' (in constellation Dorado/Dor) best seen between 20.5h - 4.8h (h _{top} =55° at 3.5h). very faint, round, south of 2 in cluster

3.7h	 1851: Globular star cluster	NGC NGC 1851 Magnitude=7.3mag Diameter=11' RA= 5h14.1m Dec=-40°03' (in constellation Columba/Col) best seen between 21.2h - 4.8h (h _{top} =82° at 3.7h). globular cluster remarkable very bright, very large, round, very suddenly very very brighter (in the) middle, well resolved
3.9h	 1970: Nebulous cluster	NGC NGC 1970 Magnitude=8mag RA= 5h26.5m Dec=-68°47' (in constellation Dorado/Dor) best seen between 20.5h - 4.8h (h _{top} =54° at 3.9h). fourth of 4
3.9h	 1968: Nebulous cluster	NGC NGC 1968 Magnitude=9mag RA= 5h27.2m Dec=-67°26' (in constellation Dorado/Dor) best seen between 20.5h - 4.8h (h _{top} =55° at 3.9h). cluster, rich, third of several
4.0h	 1952: Emission or reflection nebula	NGC Crab nebula, M 1 (NGC 1952) Magnitude=8.4mag Diameter=6' RA= 5h34.5m Dec=+22°01' (in constellation Taurus/Tau) best seen between 0.4h - 4.8h (h _{top} =36° at 4.0h). very bright, very large, extended 135 degrees +/- , very gradually little brighter (in the) middle, resolvable; = Messier 1
4.0h	 1982: Emission or reflection nebula	NGC M 43 (NGC 1982) Magnitude=9mag Diameter=20' RA= 5h35.6m Dec= -5°16' (in constellation Orion/Ori) best seen between 23.0h - 4.8h (h _{top} =63° at 4.0h). remarkable very bright, very large, round with tail, much brighter in the middle star 8-9 mag; = Messier 43
4.0h	 1976: Emission or reflection nebula	NGC Great Nebula in Orion, M 42 (NGC 1976) Magnitude=4mag Diameter=66' RA= 5h35.4m Dec= -5°27' (in constellation Orion/Ori) best seen between 21.8h - 5.6h (h _{top} =63° at 4.0h). magnificent or interesting theta-1 Orionis and the great nebula(e); = Messier 42
4.2h	 2068: Emission or reflection nebula	NGC M 78 (NGC 2068) Magnitude=8mag Diameter=8' RA= 5h46.7m Dec= +0°03' (in constellation Orion/Ori) best seen between 23.4h - 4.8h (h _{top} =58° at 4.2h). bright, large, wisp, gradually much brighter (to a) nucleus, 3 stars involv(ed)(ing), resolvable; = Messier 78
4.7h	 4372: Globular star cluster	NGC NGC 4372 Magnitude=7.8mag Diameter=18.6' RA=12h25.8m Dec=-72°40' (in constellation Musca/Mus) best seen between 23.1h - 4.8h (h _{top} =30° at 4.8h). globular cluster, pretty faint, large, round, stars 12...16 mag

4.7h	 3242: Planetary nebula	NGC Ghost of Jupiter (NGC 3242) Magnitude=9mag Diameter=20.8' RA=10h24.8m Dec=-18°38' (in constellation Hydra/Hya) best seen between 3.3h - 4.8h ($h_{\text{top}}=33^\circ$ at 4.8h). remarkable planetary nebula, very bright, little extended 147 degrees, 45" diameter, blue
4.7h	 3132: Planetary nebula	NGC Eight-burst planetary (NGC 3132) Magnitude=8mag Diameter=0.8' RA=10h07.0m Dec=-40°26' (in constellation Vela/Vel) best seen between 2.1h - 4.8h ($h_{\text{top}}=44^\circ$ at 4.8h). very remarkable planetary nebula, very bright, very large, little extended star 9 mag (in the) middle, 4 seconds diameter
4.7h	 3918: Planetary nebula	NGC Blue planetary (NGC 3918) Magnitude=8mag Diameter=0.2' RA=11h50.3m Dec=-57°11' (in constellation Centaurus/Cen) best seen between 2.7h - 4.8h ($h_{\text{top}}=30^\circ$ at 4.8h). planetary nebula, remarkable, small, round, blue, = star 7 mag, diameter = 1 seconds .5
4.8h	 2659: Open star cluster	NGC NGC 2659 Magnitude=8.6mag Diameter=3' RA= 8h42.6m Dec=-44°57' (in constellation Vela/Vel) best seen between 0.4h - 4.8h ($h_{\text{top}}=60^\circ$ at 4.8h). cluster, large, rich, pretty much extended, stars 11...14 mag
4.8h	 2567: Open star cluster	NGC NGC 2567 Magnitude=7.4mag Diameter=10' RA= 8h18.6m Dec=-30°38' (in constellation Puppis/Pup) best seen between 0.7h - 4.8h ($h_{\text{top}}=65^\circ$ at 4.8h). cluster, pretty large, pretty rich, little compressed, irregular round, stars 11...14 mag
4.8h	 2395: Open star cluster	NGC NGC 2395 Magnitude=8mag Diameter=12' RA= 7h27.1m Dec=+13°35' (in constellation Gemini/Gem) best seen between 1.8h - 4.8h ($h_{\text{top}}=41^\circ$ at 4.8h). cluster, pretty rich, compressed
4.8h	 2345: Open star cluster	NGC NGC 2345 Magnitude=7.7mag Diameter=12' RA= 7h08.3m Dec=-13°10' (in constellation Canis Major/CMa) best seen between 0.2h - 4.8h ($h_{\text{top}}=68^\circ$ at 4.8h). cluster, pretty large, pretty rich, gradually brighter (in the) middle, stars 10...14 mag
5.0h	 3201: Globular star cluster	NGC NGC 3201 Magnitude=6.8mag Diameter=18.2' RA=10h17.6m Dec=-46°25' (in constellation Vela/Vel) best seen between 2.0h - 5.1h ($h_{\text{top}}=45^\circ$ at 5.1h). globular cluster, very large, irregular round, little compressed (in the) middle, stars 13...16 mag
5.0h	 2571: Open star cluster	NGC NGC 2571 Magnitude=7mag Diameter=13' RA= 8h18.9m Dec=-29°44' (in constellation Puppis/Pup) best seen between 0.7h - 5.0h ($h_{\text{top}}=68^\circ$ at 5.0h). cluster, very large, considerably rich, little compressed, stars 9... mag

	2571: Open star cluster	
5.0h	 NGC 2447: Open star cluster	M 93 (NGC 2447) Magnitude=6.2mag Diameter=22' RA= 7h44.6m Dec=-23°52' (in constellation Puppis/Pup) best seen between 23.6h - 5.0h (h_{top}=73° at 5.0h). cluster, large, pretty rich, little compressed, stars 8...13 mag; = Messier 93
5.0h	 IC 2488: Open star cluster	IC 2488 Magnitude=7mag Diameter=15' RA= 9h27.6m Dec=-56°59' (in constellation Vela/Vel) best seen between 0.3h - 5.0h (h_{top}=52° at 5.0h). cluster, coarse(ly)
5.1h	 NGC 2264: Nebulous cluster	Christmas Tree cluster, Cone nebula (NGC 2264) Magnitude=3.9mag Diameter=60' RA= 6h41.1m Dec= +9°53' (in constellation Monoceros/Mon) best seen between 23.6h - 5.6h (h_{top}=48° at 5.1h). extremely large nebula(e), 3 degrees diameter, densest 12' south preceding 15 Monocerotis

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