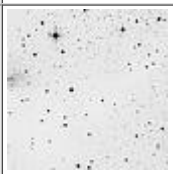
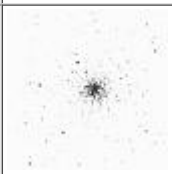
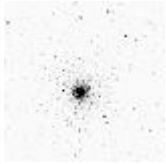
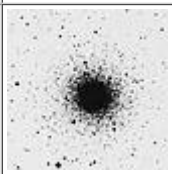
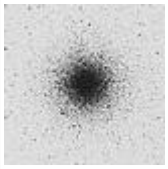
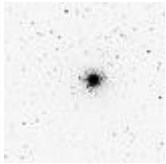
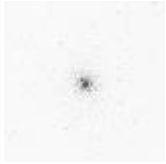
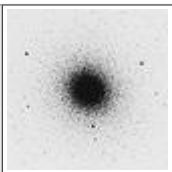
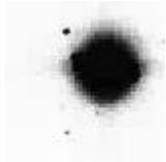
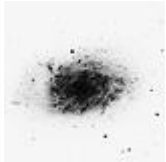
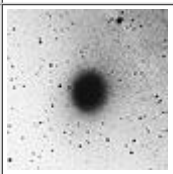
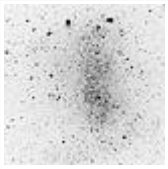
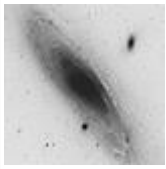
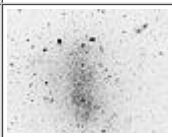
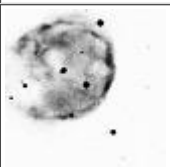
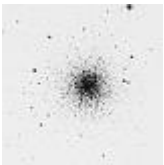
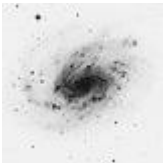
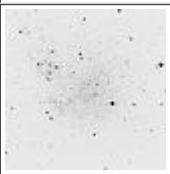
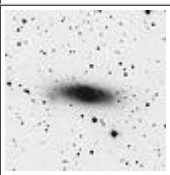
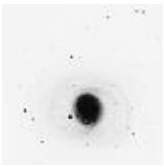
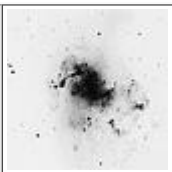
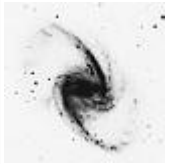
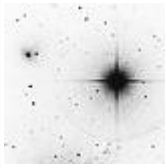
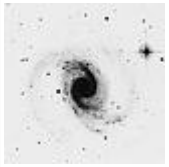
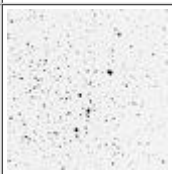
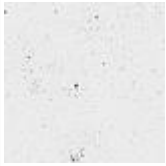
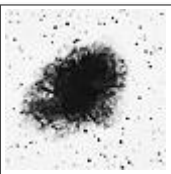
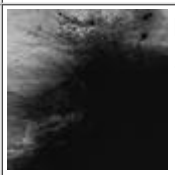
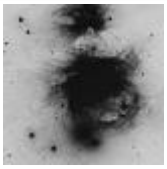
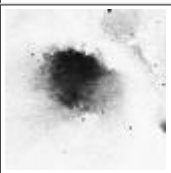
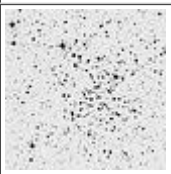
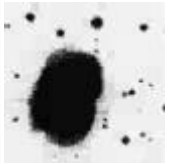
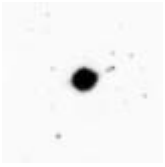
Friday 16 October 2009

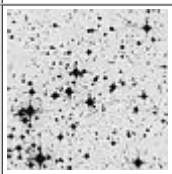
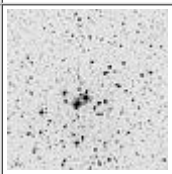
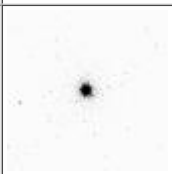
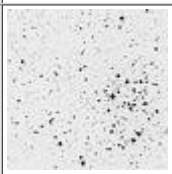
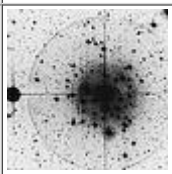
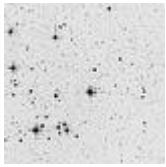
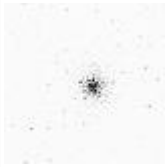
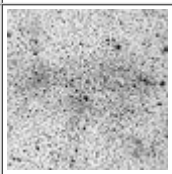
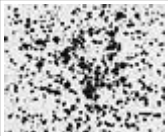
Time	Object (Link)	Event
	Observer Site	**Lostock NSW Australia, Australia WGS84: Lon: +151d25m30.3s Lat: -32d18m53.4s Alt: 204m All times in UTC+11**
0.0h	**NGC 6322: Open star cluster**	**NGC 6322 Magnitude=6mag Diameter=10' RA=17h18.5m Dec=-42°57' (in constellation Scorpius/Sco) best seen between 19.7h - 0.4h. cluster, very large, pretty rich, little compressed (place of star north following)**
0.0h	 **NGC 6250: Open star cluster**	**NGC 6250 Magnitude=5.9mag Diameter=8' RA=16h58.0m Dec=-45°48' (in constellation Ara/Ara) best seen between 19.7h - 0.3h. cluster, large, little rich, little compressed, stars 8...12 mag**
0.0h	 NGC 6723: Globular star cluster	**NGC 6723 Magnitude=7.3mag** Diameter=11' RA=18h59.6m Dec=-36°38' (**in constellation Sagittarius/Sgr**) best seen between 20.2h - 0.6h. globular cluster, very large, very little extended, very gradually brighter (in the) middle, well resolved, stars 14...16 mag
0.0h	 NGC 6541: Globular star cluster	**NGC 6541 Magnitude=6.6mag** Diameter=13.1' RA=18h08.0m Dec=-43°42' (**in constellation Corona Australis/CrA**) best seen between 20.0h - 0.1h. globular cluster, bright, round, extremely compressed, gradually brighter (in the) middle, well resolved, stars 15...16 mag
0.0h	 NGC 6864: Globular star cluster	**M 75 (NGC 6864) Magnitude=8.6mag** Diameter=6' RA=20h06.1m Dec=-21°55' (**in constellation Sagittarius/Sgr**) best seen between 20.2h - 1.1h. globular cluster, bright, pretty large, round, very much brighter in the middle bright (to a) nucleus, partially resolved; = Messier 75
0.0h	 NGC 6809: Globular star cluster	**M 55 (NGC 6809) Magnitude=7mag** Diameter=19' RA=19h40.0m Dec=-30°58' (**in constellation Sagittarius/Sgr**) best seen between 20.0h - 1.0h. globular cluster, pretty bright, large, round, very rich, very gradually brighter (in the) middle, stars 12...15 mag; = Messier 5 5
0.0h	 NGC 6715: Globular star cluster	**M 54 (NGC 6715) Magnitude=7.7mag** Diameter=9.1' RA=18h55.1m Dec=-30°29' (**in constellation Sagittarius/Sgr**) best seen between 20.2h - 0.3h. globular cluster, very bright, large, round, gradually, suddenly much brighter in the middle, well resolved, stars 15 mag; = Messier 54
0.0h	 **NGC 6656: Globular star cluster**	**M 22 (NGC 6656) Magnitude=5.1mag Diameter=24' RA=18h36.4m Dec=-23°54' (in constellation Sagittarius/Sgr) best seen between 19.7h - 0.5h. very remarkable, globular cluster, very bright, very large, round, very rich, very much compressed, stars 11...15 mag; (in the) middle**

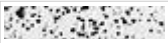
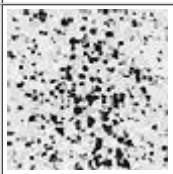
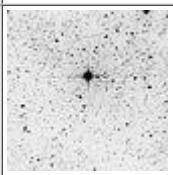
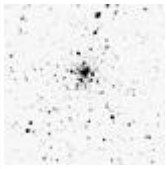
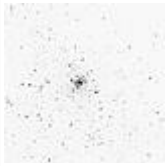
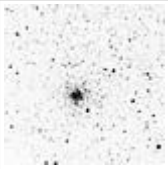
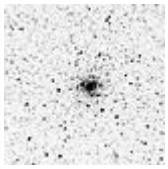
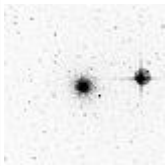
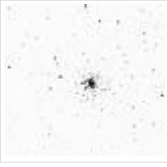
0.0h	 **NGC 104:** **Globular star cluster**	**47 Tuc (NGC 104) Magnitude=4mag Diameter=30.9' RA= 0h24.1m Dec=-72°05' (in constellation Tucana/Tuc) best seen between 19.5h - 5.8h. globular cluster very remarkable very bright, very large, very much compressed (in the) middle**
0.0h	 NGC 7009: Planetary nebula	**Saturn nebula (NGC 7009) Magnitude=8mag** Diameter=1.7' RA=21h04.2m Dec=-11°22' (**in constellation Aquarius/Aqr**) best seen between 20.2h - 1.6h. magnificent or interesting, planetary nebula, very bright, small, elliptical
0.0h	**NGC 6523:** **Emission or reflection nebula**	**Hourglass nebula, Lagoon nebula, M 8 (NGC 6523) Magnitude=5.8mag Diameter=90' RA=18h03.8m Dec=-24°23' (in constellation Sagittarius/Sgr) best seen between 19.7h - 0.0h. magnificent or interesting very bright, extremely large, extremely irregular figure, with large cluster; = Messier 8**
0.0h	 NGC 7793: Galaxy	**NGC 7793 Magnitude=9.1mag** Diameter=9.1' RA=23h57.8m Dec=-32°35' (**in constellation Sculptor/Scl**) best seen between 20.2h - 5.1h. like a comet
0.0h	NGC 7331: Galaxy	**NGC 7331 Magnitude=9.5mag** Diameter=10.7' RA=22h37.1m Dec=+34°25' (**in constellation Pegasus/Peg**) best seen between 20.2h - 0.3h. bright, pretty large, pretty much extended 163 degrees, suddenly much brighter in the middle
0.0h	NGC 55: Galaxy	**NGC 55 Magnitude=8mag** Diameter=32.4' RA= 0h14.9m Dec=-39°11' (**in constellation Sculptor/Scl**) best seen between 20.2h - 5.1h. very bright, very large, very much extended, trinuclear
0.0h	 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 20.2h - 1.2h. remarkable very very bright, large, round, pretty suddenly much brighter in the middle (to a) nucleus; = Messier 32
0.0h	 IC 4895: Galaxy	**IC 4895 Magnitude=8mag** Diameter=10' RA=19h45.0m Dec=-14°48' (**in constellation Sagittarius/Sgr**) best seen between 20.2h - 0.4h. group of nebula(e), 25' diameter; = 6822
0.0h	 **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 19.5h - 3.7h. magnificent or interesting most extremely bright, extremely large, very much extended (Andromeda); = Messier 31**
0.0h	 NGC 6822:	**Barnard`s galaxy (NGC 6822) Magnitude=9mag** Diameter=10.2' RA=19h44.9m Dec=-14°48' (**in constellation Sagittarius/Sgr**) best seen between 20.2h - 0.4h.

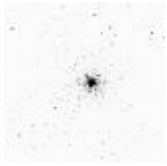
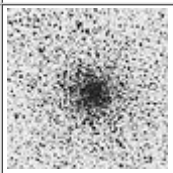
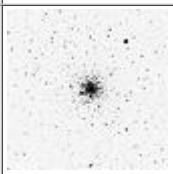
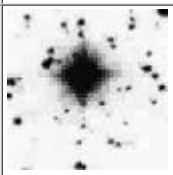
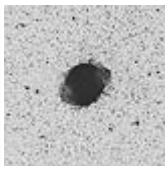
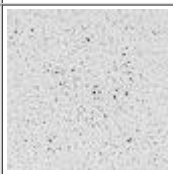
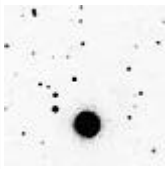
	Galaxy	very faint, very small, extended, diffuse; = IC 4895
0.1h	 NGC 246: Planetary nebula	**NGC 246 Magnitude=8mag** Diameter=3.8' RA= 0h47.0m Dec=-11°53' (**in constellation Cetus/Cet**) best seen between 20.2h - 5.1h. very faint, large, 4 stars in diffuse nebula(e)
0.1h	NGC 247: Galaxy	**NGC 247 Magnitude=8.9mag** Diameter=20' RA= 0h47.1m Dec=-20°46' (**in constellation Cetus/Cet**) best seen between 20.2h - 5.1h. faint, extremely large, very much extended 172 degrees
0.1h	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 20.0h - 5.3h. very remarkable very very bright, very very large, very much extended 54 degrees, gradually brighter (in the) middle
0.2h	 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 20.2h - 5.1h. globular cluster, bright, large, little extended, stars 12...16 mag
0.2h	 NGC 300: Galaxy	**NGC 300 Magnitude=9mag** Diameter=20' RA= 0h54.9m Dec=-37°41' (**in constellation Sculptor/Scl**) best seen between 20.2h - 5.1h. pretty bright, very large, very much irregular extended, very gradually pretty much brighter (in the) middle
0.4h	 IC 1613: Galaxy	**IC 1613 Magnitude=9.3mag** Diameter=12' RA= 1h04.8m Dec= +2°07' (**in constellation Cetus/Cet**) best seen between 20.2h - 5.1h. faint, most extremely large
1.9h	 NGC 1023: Galaxy	**NGC 1023 Magnitude=9.5mag** Diameter=8.7' RA= 2h40.4m Dec=+39°04' (**in constellation Perseus/Per**) best seen between 0.3h - 5.0h. very bright, very large, very much extended, very very much brighter in the middle
2.0h	 NGC 1068: Galaxy	**M 77 (NGC 1068) Magnitude=8.8mag** Diameter=6.9' RA= 2h42.7m Dec= -0°01' (**in constellation Cetus/Cet**) best seen between 21.2h - 5.0h. very bright, pretty large, irregular round, suddenly brighter (in the) middle partially resolved (to a) nucleus; = Messier 77
2.6h	NGC 1291: Galaxy	**NGC 1291 Magnitude=8.5mag** Diameter=10.5' RA= 3h17.3m Dec=-41°08' (**in constellation Eridani/Eri**) best seen between 20.3h - 5.0h. globular cluster, very bright, pretty large, round, much brighter in the middle, easily resolvable

2.6h	 NGC 1313: Galaxy	**NGC 1313 Magnitude=9mag** Diameter=8.5' RA= 3h18.3m Dec=-66°30' (**in constellation Reticulum/Ret**) best seen between 20.3h - 5.0h. pretty bright, large, extended, very gradually brighter (in the) middle, resolvable
2.8h	 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 - 5.0h. very remarkable very bright, very large, much extended, resolvable (to a) nucleus
3.0h	 IC 348: Nebulous cluster	**IC 348 Magnitude=7.3mag** Diameter=10' RA= 3h44.5m Dec=+32°17' (**in constellation Perseus/Per**) best seen between 0.3h - 5.0h. pretty bright, very large, very gradually brighter (in the) middle
3.6h	 NGC 1566: Galaxy	**NGC 1566 Magnitude=9.4mag** Diameter=7.6' RA= 4h20.0m Dec=-54°56' (**in constellation Dorado/Dor**) best seen between 20.3h - 5.0h. bright, very large, VG, suddenly very much brighter in the middle, 15 seconds diameter in right ascension
4.0h	**NGC 1647: Open star cluster**	**NGC 1647 Magnitude=6.4mag Diameter=45' RA= 4h46.0m Dec=+19°04' (in constellation Taurus/Tau) best seen between 23.3h - 5.3h. cluster, very large, stars large, scattered**
4.3h	**NGC 1746: Open star cluster**	**NGC 1746 Magnitude=6mag Diameter=42' RA= 5h03.6m Dec=+23°49' (in constellation Taurus/Tau) best seen between 23.9h - 5.5h. cluster, sparse**
4.3h	NGC 1829: Nebulous cluster	**NGC 1829 Magnitude=8mag** RA= 5h04.7m Dec=-68°03' (**in constellation Dorado/Dor**) best seen between 20.3h - 5.0h. faint, pretty large, round, resolvable
4.5h	 NGC 1817: Open star cluster	**NGC 1817 Magnitude=7.7mag** Diameter=16' RA= 5h12.1m Dec=+16°42' (**in constellation Taurus/Tau**) best seen between 0.5h - 5.0h. cluster, large, rich, little compressed, stars 11...14 mag
4.7h	NGC 1974: Nebulous cluster	**NGC 1974 Magnitude=9mag** RA= 5h27.9m Dec=-67°24' (**in constellation Dorado/Dor**) best seen between 20.3h - 5.0h. cluster, large, irregular
4.8h	 NGC 2011: Nebulous cluster	**NGC 2011 Magnitude=9mag** RA= 5h32.1m Dec=-67°31' (**in constellation Dorado/Dor**) best seen between 20.3h - 5.0h. very bright, small, round, pretty suddenly much brighter in the middle

4.8h	 NGC 1952: Emission or reflection nebula	**Crab nebula, M 1 (NGC 1952) Magnitude=8.4mag** Diameter=6' RA= 5h34.5m Dec=+22°01' (**in constellation Taurus/Tau**) best seen between 1.2h - 5.0h. very bright, very large, extended 135 degrees +/- , very gradually little brighter (in the) middle, resolvable; = Messier 1
4.9h	 NGC 1982: Emission or reflection nebula	**M 43 (NGC 1982) Magnitude=9mag** Diameter=20' RA= 5h35.6m Dec= -5°16' (**in constellation Orion/Ori**) best seen between 23.8h - 5.0h. remarkable very bright, very large, round with tail, much brighter in the middle star 8-9 mag; = Messier 43
4.8h	 **NGC 1976: Emission or reflection nebula**	**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 22.6h - 5.8h. magnificent or interesting theta-1 Orionis and the great nebula(e); = Messier 42**
5.0h	 NGC 2068: Emission or reflection nebula	**M 78 (NGC 2068) Magnitude=8mag** Diameter=8' RA= 5h46.7m Dec= +0°03' (**in constellation Orion/Ori**) best seen between 0.2h - 5.0h. bright, large, wisp, gradually much brighter (to a) nucleus, 3 stars involv(ed)(ing), resolvable; = Messier 78
5.0h	 NGC 2324: Open star cluster	**NGC 2324 Magnitude=8.4mag** Diameter=8' RA= 7h04.2m Dec= +1°03' (**in constellation Monoceros/Mon**) best seen between 1.6h - 5.0h. cluster, large, rich, considerably compressed, stars 12...16 mag
5.0h	NGC 4372: Globular star cluster	**NGC 4372 Magnitude=7.8mag** Diameter=18.6' RA=12h25.8m Dec=-72°40' (**in constellation Musca/Mus**) best seen between 23.9h - 5.0h. globular cluster, pretty faint, large, round, stars 12...16 mag
5.0h	NGC 3242: Planetary nebula	**Ghost of Jupiter (NGC 3242) Magnitude=9mag** Diameter=20.8' RA=10h24.8m Dec=-18°38' (**in constellation Hydra/Hya**) best seen between 4.1h - 5.0h. remarkable planetary nebula, very bright, little extended 147 degrees, 45" diameter, blue
5.0h	 NGC 3132: Planetary nebula	**Eight-burst planetary (NGC 3132) Magnitude=8mag** Diameter=0.8' RA=10h07.0m Dec=-40°26' (**in constellation Vela/Vel**) best seen between 2.9h - 5.0h. very remarkable planetary nebula, very bright, very large, little extended star 9 mag (in the) middle, 4 seconds diameter
5.0h	 NGC 3918: Planetary nebula	**Blue planetary (NGC 3918) Magnitude=8mag** Diameter=0.2' RA=11h50.3m Dec=-57°11' (**in constellation Centaurus/Cen**) best seen between 3.5h - 5.0h. planetary nebula, remarkable, small, round, blue, = star 7 mag, diameter = 1 seconds .5

5.0h	NGC 3115: Galaxy	**Spindle galaxy (NGC 3115) Magnitude=9.2mag** Diameter=8.3' RA=10h05.2m Dec= -7°43' (**in constellation Sextans/Sex**) best seen between 4.2h - 5.0h. very bright, large, very much extended 46 degrees, very gradually suddenly much brighter in the middle extended (to a) nucleus
5.3h	 NGC 2910: Open star cluster	**NGC 2910 Magnitude=7.2mag** Diameter=5' RA= 9h30.4m Dec=-52°54' (**in constellation Vela/Vel**) best seen between 1.5h - 5.3h. cluster, considerably large, pretty rich, pretty compressed, stars 10...14 mag
5.3h	 NGC 2571: Open star cluster	**NGC 2571 Magnitude=7mag** Diameter=13' RA= 8h18.9m Dec=-29°44' (**in constellation Puppis/Pup**) best seen between 1.6h - 5.3h. cluster, very large, considerably rich, little compressed, stars 9... mag
5.3h	 **NGC 2808: Globular star cluster**	**NGC 2808 Magnitude=6.3mag Diameter=13.8' RA= 9h12.0m Dec=-64°52' (in constellation Carina/Car) best seen between 20.5h - 5.3h. remarkable globular cluster, very large, extremely rich, very gradually extremely compressed (in the) middle, 45 seconds diameter, stars 13...15 mag**
5.5h	 **NGC 2323: Open star cluster**	**M 50 (NGC 2323) Magnitude=5.9mag Diameter=16' RA= 7h03.2m Dec= -8°20' (in constellation Monoceros/Mon) best seen between 0.4h - 5.5h. remarkable cluster, very large, rich, pretty compressed, extended, stars 12...16 mag; = Messier 50**
5.8h	 **NGC 2362: Nebulous cluster**	**NGC 2362 Magnitude=4.1mag Diameter=8' RA= 7h18.8m Dec=-24°57' (in constellation Canis Major/CMa) best seen between 23.9h - 5.8h. cluster, pretty large, rich (30 Canis Majoris)**
19.7h	 **NGC 5662: Open star cluster**	**NGC 5662 Magnitude=5.5mag Diameter=12' RA=14h35.2m Dec=-56°33' (in constellation Centaurus/Cen) best seen between 19.7h -23.2h. cluster, large, pretty rich, little compressed, stars 9... mag**
19.9h	 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 20.0h -21.4h. remarkable, globular cluster, very bright, large, round, very gradually brighter (in the) middle, stars 13...15 mag
20.2h	 NGC 6883: Open star cluster	**NGC 6883 Magnitude=8mag** Diameter=15' RA=20h11.3m Dec=+35°51' (**in constellation Cygnus/Cyg**) best seen between 20.2h -21.7h. cluster, pretty rich, double star involv(ed)(ing)
20.2h	 NGC 6819: Open	**NGC 6819 Magnitude=7.3mag** Diameter=5' RA=19h41.3m Dec=+40°11' (**in constellation Cygnus/Cyg**) best seen between 20.2h -20.4h. cluster, very large, very rich, stars 11...15 mag

	 star cluster	
20.2h	 NGC 6802: Open star cluster	**NGC 6802 Magnitude=8.8mag** Diameter=3' RA=19h30.6m Dec=+20°16' (**in constellation Vulpecula/Vul**) best seen between 20.2h -22.5h. cluster, large, very compressed, extended 0 degrees, stars 14...18 mag
20.2h	 NGC 6625: Open star cluster	**NGC 6625 Magnitude=9mag** RA=18h23.2m Dec=-12°03' (**in constellation Scutum/Sct**) best seen between 20.2h -23.0h. cluster, little compressed, little rich, stars 11...12 mag
20.2h	 NGC 6642: Globular star cluster	**NGC 6642 Magnitude=8.8mag** Diameter=4.5' RA=18h31.9m Dec=-23°29' (**in constellation Sagittarius/Sgr**) best seen between 20.2h -23.6h. globular cluster, pretty bright, pretty large, irregular round, gradually pretty much brighter (in the) middle well resolved, stars 16 mag
20.2h	 NGC 6544: Globular star cluster	**NGC 6544 Magnitude=8.3mag** Diameter=8.9' RA=18h07.3m Dec=-25°00' (**in constellation Sagittarius/Sgr**) best seen between 20.2h -23.2h. considerably faint, pretty large, irregular round, resolvable
20.2h	 NGC 6528: Globular star cluster	**NGC 6528 Magnitude=9.5mag** Diameter=3.7' RA=18h04.8m Dec=-30°03' (**in constellation Sagittarius/Sgr**) best seen between 20.2h -23.4h. globular cluster, pretty faint, considerably small, round, gradually brighter (in the) middle, well resolved, stars 16 mag
20.2h	 NGC 6522: Globular star cluster	**NGC 6522 Magnitude=8.6mag** Diameter=5.6' RA=18h03.6m Dec=-30°02' (**in constellation Sagittarius/Sgr**) best seen between 20.2h -23.4h. globular cluster, bright, pretty large, round, gradually very much brighter in the middle, well resolved, stars 16 mag
20.2h	 NGC 6441: Globular star cluster	**NGC 6441 Magnitude=7.4mag** Diameter=7.8' RA=17h50.2m Dec=-37°03' (**in constellation Scorpius/Sco**) best seen between 20.2h -23.5h. globular cluster, very bright, pretty large, round, very gradually much brighter in the middle, well resolved, stars 18 mag
20.2h	NGC 6401: Globular star cluster	**NGC 6401 Magnitude=9.5mag** Diameter=5.6' RA=17h38.6m Dec=-23°55' (**in constellation Ophiuchus/Oph**) best seen between 20.2h -22.7h. pretty bright, pretty large, round, star 12 mag following (eastward) involv(ed)(ing)
20.2h	 NGC 6284:	**NGC 6284 Magnitude=9mag** Diameter=5.6' RA=17h04.5m Dec=-24°46' (**in constellation Ophiuchus/Oph**) best seen between 20.2h -22.2h. globular cluster, bright, large, round, compressed (in the) middle, well resolved, stars 16... mag

	Globular star cluster	
20.2h	 NGC 6139: Globular star cluster	**NGC 6139 Magnitude=9.2mag** Diameter=5.5' RA=16h27.7m Dec=-38°51' (**in constellation Scorpius/Sco**) best seen between 20.2h -22.2h. bright, pretty large, round, pretty suddenly brighter (in the) middle, partially resolved
20.2h	 NGC 6838: Globular star cluster	**M 71 (NGC 6838) Magnitude=8.3mag** Diameter=7.2' RA=19h53.8m Dec=+18°47' (**in constellation Sagitta/Sge**) best seen between 20.2h -23.0h. cluster, very large, very rich, pretty much compressed, stars 11...16 mag; = Messier 71
20.2h	 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 20.2h -23.9h. globular cluster, bright, large, round, well resolved, stars 14...16 mag; = Messier 69
20.2h	 NGC 6572: Planetary nebula	**NGC 6572 Magnitude=9mag** Diameter=0.1' RA=18h12.1m Dec= +6°51' (**in constellation Ophiuchus/Oph**) best seen between 20.2h -22.0h. planetary nebula, very bright, very small, round, little hazy
20.2h	 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 20.2h -22.8h. magnificent or interesting, very bright, very large, binuclear, irregular extended (Dumbbell); = Messier 27
21.5h	 **NGC 7243: Open star cluster**	**NGC 7243 Magnitude=6.4mag Diameter=21' RA=22h15.3m Dec=+49°53' (in constellation Lacerta/Lac) best seen between 20.0h -23.2h. cluster, large, sparse, little compressed, stars very large**
22.6h	 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 20.2h -23.0h. magnificent or interesting planetary nebula or ring, very bright, pretty small, round, blue, variable nucleus

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