

Star Magnitudes



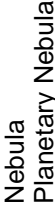
Galaxy



Cluster+Nebulosity



Cluster+Nebulosity



Burnham's C.H. - Sagittarius Observing List

Evening of 2009 Aug 15 at Bloemfontein, South Africa

Sunset 17:58, Twilight ends 19:12, Twilight begins 05:27, Sunrise 06:40, Moon rise 03:03, Moon set 12:30
 Completely dark from 19:12 to 03:03. Waning Crescent Moon. All times local (GMT+2).

Listing All Deep Sky Objects after 18:59 and before 05:02.

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Size	Mag	Distance	Rise	Transit	Set	Ur. 2	Difficulty
Dark	Black Hole	B 92	Sgr	18h15m30.0s	-18°11'00"	12.0'	6.0		14:04	20:54	03:44	145	very challenging
Dark	Ink Spot	B 86	Sgr	18h02m58.0s	-27°52'06"	5.0'	5.0		13:24	20:41	03:59	145	very challenging
Glob	NGC 6440		Sgr	17h48m53.0s	-20°21'36"	4.4'	9.3	13000 ly	13:31	20:27	03:23	146	detectable
Glob	M 75	NGC 6864	Sgr	20h06m05.0s	-21°55'18"	6.8'	8.6	95000 ly	15:44	22:44	05:44	144	detectable
Glob	NGC 6642		Sgr	18h31m54.0s	-23°28'30"	5.8'	8.9		14:06	21:10	04:15	145	detectable
Glob	M 22	NGC 6656	Sgr	18h36m24.0s	-23°54'12"	32.0'	5.2	9800 ly	14:09	21:15	04:21	145	easy
Glob	M 28	NGC 6626	Sgr	18h24m33.0s	-24°52'12"	13.8'	6.9	16000 ly	13:54	21:03	04:12	145	easy
Glob	NGC 6544		Sgr	18h07m20.0s	-24°59'54"	9.2'	7.5	16000 ly	13:37	20:46	03:55	145	easy
Glob	NGC 6638		Sgr	18h30m56.0s	-25°29'48"	7.3'	9.2	49000 ly	13:59	21:09	04:20	145	detectable
Glob	NGC 6553		Sgr	18h09m17.0s	-25°54'30"	9.2'	8.3	87000 ly	13:36	20:48	03:59	145	detectable
Glob	NGC 6522		Sgr	18h03m35.0s	-30°02'06"	9.4'	9.9	39000 ly	13:17	20:42	04:07	163	challenging
Glob	NGC 6528		Sgr	18h04m49.0s	-30°03'24"	5.0'	9.6	140000 ly	13:19	20:43	04:08	163	detectable
Glob	NGC 6624		Sgr	18h23m40.0s	-30°21'30"	8.8'	7.6	42000 ly	13:36	21:02	04:28	163	easy
Glob	M 54	NGC 6715	Sgr	18h55m03.0s	-30°28'42"	12.0'	7.7	55000 ly	14:07	21:33	04:59	163	detectable
Glob	M 55	NGC 6809	Sgr	19h40m00.0s	-30°57'42"	19.0'	6.3	20000 ly	14:51	22:18	05:46	162	easy
Glob	NGC 6558		Sgr	18h10m18.0s	-31°45'48"		8.6		13:18	20:49	04:19	163	unknown
Glob	NGC 6569		Sgr	18h13m38.0s	-31°49'36"	6.4'	8.4	96000 ly	13:21	20:52	04:23	163	easy
Glob	M 70	NGC 6681	Sgr	18h43m13.0s	-32°17'30"	8.0'	7.8	65000 ly	13:49	21:22	04:54	163	easy
Glob	M 69	NGC 6637	Sgr	18h31m23.0s	-32°20'54"	9.8'	7.7	23000 ly	13:37	21:10	04:42	163	easy
Glob	NGC 6652		Sgr	18h35m46.0s	-32°59'24"	6.0'	8.5	52000 ly	13:39	21:14	04:49	163	easy
Glob	NGC 6723		Sgr	18h59m33.0s	-36°37'54"	13.0'	6.8	33000 ly	13:49	21:38	05:27	163	easy
Open	M 17	NGC 6618	Sgr	18h20m47.0s	-16°10'18"	25.0'	7.3	4200 ly	14:14	20:59	03:44	126	detectable
Open	NGC 6645	Collinder 383	Sgr	18h32m37.0s	-16°53'00"	14.0'	8.5		14:24	21:11	03:58	126	detectable
Open	M 18	NGC 6613	Sgr	18h19m58.0s	-17°06'06"	5.0'	7.5	4200 ly	14:11	20:58	03:46	126	obvious
Open	M 24	NGC 6603	Sgr	18h18m26.0s	-18°24'24"	6.0'	11.1	12000 ly	14:06	20:57	03:48	145	challenging

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Size	Mag	Distance	Rise	Transit	Set	Ur. 2	Difficulty
Open	M 23	NGC 6494	Sgr	17h57m04.0s	-18°59'06"	29.0'	5.9	2000 ly	13:43	20:36	03:28	146	easy
Open	M 25	IC 4725	Sgr	18h31m47.0s	-19°07'00"	29.0'	6.2	2000 ly	14:17	21:10	04:03	145	easy
Open	NGC 6568	Collinder 369	Sgr	18h12m44.0s	-21°36'18"	12.0'	8.6	2500 ly	13:52	20:51	03:51	145	detectable
Open	NGC 6583	Collinder 370	Sgr	18h15m49.0s	-22°08'12"	5.0'	10.0		13:53	20:54	03:55	145	detectable
Open	NGC 6469	Collinder 353	Sgr	17h53m12.0s	-22°16'30"	7.0'	8.2	2000 ly	13:30	20:32	03:33	146	easy
Open	M 21	NGC 6531	Sgr	18h04m13.0s	-22°29'24"	14.0'	7.2	3900 ly	13:41	20:43	03:45	145	easy
Open	M 20	NGC 6514	Sgr	18h02m42.0s	-22°58'18"	28.0'	5.2	2700 ly	13:38	20:41	03:44	145	easy
Open	NGC 6546	Collinder 365	Sgr	18h07m22.0s	-23°17'48"	14.0'	8.2	3100 ly	13:42	20:46	03:50	145	detectable
Open	NGC 6530	Collinder 362	Sgr	18h04m31.0s	-24°21'30"	14.0'	5.1	4300 ly	13:36	20:43	03:50	145	obvious
Open	NGC 6540	Collinder 364	Sgr	18h06m21.0s	-27°47'39"	48"	14.6		13:27	20:45	04:02	145	not visible
Open	NGC 6520	Collinder 361	Sgr	18h03m24.0s	-27°53'18"	5.0'	7.6	5100 ly	13:24	20:42	04:00	145	obvious
Neb	NGC 6559	Sh 2-29	Sgr	18h10m00.0s	-24°07'00"	5.0'			13:42	20:48	03:55	145	unknown
Neb	Lagoon Nebula	M 8	Sgr	18h04m02.0s	-24°23'14"	17.0'x 15.0'	5.0		13:35	20:43	03:50	145	obvious
PNe	Little Gem	NGC 6818	Sgr	19h43m57.8s	-14°09'12"	22"	10.0	7300 ly	15:42	22:22	05:02	125	obvious
PNe	NGC 6439	He 2-287	Sgr	17h48m19.8s	-16°28'44"	6.1"	13.0	14000 ly	13:41	20:27	03:13	126	detectable
PNe	NGC 6567	He 2-369	Sgr	18h13m45.1s	-19°04'34"	11"	11.5	6400 ly	14:00	20:52	03:45	145	easy
PNe	Red Spider	NGC 6537	Sgr	18h05m13.1s	-19°50'35"	5.0"	12.0	4900 ly	13:49	20:44	03:38	145	easy
PNe	NGC 6445	He 2-290	Sgr	17h49m15.1s	-20°00'34"	35"	13.0	4200 ly	13:33	20:28	03:23	146	difficult
PNe	NGC 6578	He 2-381	Sgr	18h16m16.5s	-20°27'03"	8.5"	13.1	8300 ly	13:58	20:55	03:51	145	detectable
PNe	IC 4732	He 2-410	Sgr	18h33m54.6s	-22°38'41"	3.6"	13.3	15000 ly	14:10	21:12	04:15	145	detectable
PNe	NGC 6629	He 2-399	Sgr	18h25m42.4s	-23°12'11"	16"	10.5	6800 ly	14:00	21:04	04:08	145	obvious
PNe	NGC 6644	He 2-408	Sgr	18h32m34.6s	-25°07'44"	3.0"	12.2	10000 ly	14:02	21:11	04:20	145	easy
PNe	NGC 6620	He 2-394	Sgr	18h22m54.2s	-26°49'17"	5.3"	14.0	20000 ly	13:47	21:01	04:16	145	detectable
PNe	NGC 6565	He 2-362	Sgr	18h11m52.5s	-28°10'42"	10"	13.0	11000 ly	13:32	20:50	04:09	145	detectable
PNe	IC 4776	He 2-421	Sgr	18h45m50.7s	-33°20'34"	8.0"	12.5	11000 ly	13:48	21:24	05:00	163	easy
PNe	NGC 6563	He 2-361	Sgr	18h12m02.8s	-33°52'07"	54"	13.0	4800 ly	13:13	20:51	04:29	163	challenging
Gal	NGC 6835	MCG -2-50-9	Sgr	19h54m33.1s	-12°34'03"	2.6'x 0.6'	13.3		15:56	22:33	05:09	124	challenging
Gal	Barnard's Galaxy	NGC 6822	Sgr	19h44m57.8s	-14°48'11"	13.5'x 12.3'	9.4		15:41	22:23	05:05	125	detectable
Gal	NGC 6902	MCG -7-42-2	Sgr	20h24m27.8s	-43°39'13"	3.3'x 2.6'	11.9		14:41	23:03	07:24	179	detectable
Gal	NGC 6878	MCG -7-41-15	Sgr	20h13m53.2s	-44°31'36"	1.6'x 1.3'	13.7	260.0 Mly	14:26	22:52	07:18	179	challenging
Gal	NGC 6890	MCG -7-41-23	Sgr	20h18m17.8s	-44°48'25"	1.5'x 1.2'	13.0		14:29	22:57	07:24	179	detectable

Symbol Key:

Open	Open Cluster	Doub	Double or Multiple Star	Con	Constellation
Glob	Globular Cluster	Bin	Binary Star (with orbit)	MSS	Major Solar System Object
PNe	Planetary Nebula	Var	Variable Star	Com	Comet
Neb	Diffuse Nebula	DVar	Double & Variable	MP	Minor Planet
Gal	Galaxy	BVar	Binary & Variable		
GalCl	Galaxy Cluster				
Dark	Dark Nebula				
QSO	Quasar				

Observation status: Y = observed, N = not observed, R = re-observe

Quality of opportunity (Q): A = optimum, B = near optimum, F = far from optimum