

General DSO List for 4- to 5-inch Refractor Observing List

Evening of 2019 Jul 5 at Changsha, China

Sunset 19:29, Twilight ends 21:02, Twilight begins 04:04, Sunrise 05:36, Moon rise 09:06, Moon set 21:50
 Completely dark from 21:50 to 04:04. Waxing Crescent Moon. All times local (GMT+8).

Listing All Classes.

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Open	NGC 7686	Collinder 456	And	23h30m07.0s	+49°08'00"	5.6	14.0'			3300 ly
PNe	Blue Snowball	NGC 7662	And	23h25m54.0s	+42°32'05"	8.6	17"	14.5		4600 ly
Gal	NGC 891	MCG 7-5-46	And	02h22m33.6s	+42°20'46"	10.9	11.7'x 2.3'	22.6	0.88	
Gal	M 110	NGC 205	And	00h40m22.3s	+41°41'09"	8.9	17.8'x 9.8'	22.6	0.85	2.6 Mly
Gal	Andromeda Galaxy	M 31	And	00h42m44.3s	+41°16'07"	4.3	2.6°x 1.1°	22.5	0.92	2.6 Mly
Gal	M 32	NGC 221	And	00h42m41.8s	+40°51'58"	8.9	8.5'x 5.9'	21.3	0.95	2.6 Mly
Neb	NGC 206		And	00h40m30.0s	+40°44'00"		3.0'x 1.1'			
Open	NGC 752	Collinder 23	And	01h57m41.0s	+37°47'06"	6.6	75.0'			1500 ly
Gal	Mirach's Ghost	NGC 404	And	01h09m27.0s	+35°43'05"	11.2	4.7'	22.7	0.94	11.0 Mly
Gal	NGC 2997	MCG -5-23-12	Ant	09h45m38.8s	-31°11'28"	10.1	9.8'x 6.8'	22.8		
Glob	M 2	NGC 7089	Aqr	21h33m27.0s	-00°49'24"	6.6	16.0'			49000 ly
Gal	NGC 7606	MCG -2-59-12	Aqr	23h19m04.8s	-08°29'06"	11.7	3.8'x 2.3'	22.2	0.76	
PNe	Saturn Nebula	NGC 7009	Aqr	21h04m10.9s	-11°21'48"	8.3	28"	15.3		3200 ly
Gal	NGC 7727	Arp 222	Aqr	23h39m53.8s	-12°17'30"	11.6	3.7'x 2.9'	22.3	0.91	
Glob	M 72	NGC 6981	Aqr	20h53m28.0s	-12°32'12"	9.2	6.6'			68000 ly
Open	M 73	NGC 6994	Aqr	20h58m55.0s	-12°38'00"	8.9	9.0'			2000 ly
Gal	NGC 7723	MCG -2-60-5	Aqr	23h38m56.9s	-12°57'42"	11.9	3.3'x 2.3'	22.2	0.73	
Gal	NGC 7184	MCG -4-52-9	Aqr	22h02m39.8s	-20°48'47"	11.7	6.2'x 1.4'	22.1	0.80	

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
PNe	Helix	NGC 7293	Aqr	22h29m38.5s	-20°50'14"	6.3	16.0'	20.9		530 ly
PNe	NGC 6804	PN G045.7-04.5	Aql	19h31m35.2s	+09°13'32"	12.4	1.1'	21.1		4800 ly
PNe	NGC 6781	PN G041.8-02.9	Aql	19h18m28.1s	+06°32'19"	11.8	1.9'	21.8		2500 ly
Open	NGC 6756	OCL 99	Aql	19h08m42.0s	+04°42'18"	10.6	4.0'			4900 ly
Open	NGC 6755	Collinder 397	Aql	19h07m49.0s	+04°16'00"	8.6	14.0'			4600 ly
Glob	NGC 6760		Aql	19h11m12.0s	+01°01'54"	9.0	9.6'			13000 ly
Open	NGC 6204	Collinder 312	Ara	16h46m09.0s	-47°01'00"	8.4	5.0'			3900 ly
Glob	NGC 6352		Ara	17h25m29.0s	-48°25'24"	7.8	9.0'			64000 ly
Open	NGC 6193	Collinder 310	Ara	16h41m20.0s	-48°45'48"	5.4	14.0'			3800 ly
Gal	NGC 972	MCG 5-7-10	Ari	02h34m13.4s	+29°18'40"	12.2	3.2'x 1.5'	22.0	0.83	
Gal	NGC 772	Arp 78	Ari	01h59m20.0s	+19°00'28"	10.6	5.9'x 3.2'	21.9	0.78	
Gal	NGC 877	MCG 2-6-58	Ari	02h17m59.4s	+14°32'40"	12.5	2.1'x 1.6'	21.9	0.67	180.0 Mly
Open	NGC 2126	Collinder 78	Aur	06h02m32.0s	+49°52'00"	10.2	5.0'			4200 ly
Open	NGC 1724	OCL 405	Aur	05h03m32.0s	+49°29'30"		2.0'			
Open	NGC 1798	Berkeley 16	Aur	05h11m39.0s	+47°41'30"		5.0'			
Open	NGC 1883	Collinder 64	Aur	05h25m54.0s	+46°29'24"	12.0	3.0'			16000 ly
PNe	IC 2149	PN G166.1+10.4	Aur	05h56m23.9s	+46°06'17"	10.6	12"	15.7		5200 ly
Open	NGC 1664	Collinder 56	Aur	04h51m06.0s	+43°40'30"	7.2	9.0'			3900 ly
Open	NGC 2281	Collinder 116	Aur	06h48m17.0s	+41°04'42"	7.2	25.0'			1800 ly
Open	NGC 2192	Collinder 86	Aur	06h15m17.0s	+39°51'18"	10.9	5.0'			
Open	NGC 1857	Collinder 61	Aur	05h20m06.0s	+39°20'36"	8.4	10.0'			6200 ly
Open	NGC 1778	Collinder 58	Aur	05h08m04.0s	+37°01'24"	8.5	8.0'			4800 ly
Open	M 38	NGC 1912	Aur	05h28m40.0s	+35°50'54"	6.8	20.0'			3500 ly
Open	NGC 1907	Collinder 66	Aur	05h28m05.0s	+35°19'30"	10.2	7.0'			5100 ly

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Neb	Flaming Star Nebula	IC 405	Aur	05h16m30.0s	+34°30'03"	10.0	34.0'x 24.0'			
Open	NGC 1931	Collinder 68	Aur	05h31m25.0s	+34°14'42"	10.1	5.0'			10000 ly
Open	M 36	NGC 1960	Aur	05h36m18.0s	+34°08'24"	6.5	10.0'			4300 ly
Neb	IC 410	Sh 2-236	Aur	05h22m42.0s	+33°25'00"	7.5	16.0'x 9.0'			
Open	NGC 1893	Collinder 63	Aur	05h22m44.0s	+33°24'42"	7.8	25.0'			20000 ly
Open	M 37	NGC 2099	Aur	05h52m18.0s	+32°33'12"	6.2	14.0'			4500 ly
Gal	NGC 5707	MCG 9-24-23	Boo	14h37m30.9s	+51°33'41"	12.9	2.4'x 0.5'	21.1		
Gal	NGC 5676	MCG 8-26-43	Boo	14h32m46.9s	+49°27'28"	11.9	3.7'x 1.7'	22.0	0.68	
Gal	NGC 5689	MCG 8-27-4	Boo	14h35m29.7s	+48°44'29"	12.7	3.6'x 0.9'	22.2	0.94	
Gal	NGC 5557	MCG 6-31-93	Boo	14h18m25.6s	+36°29'39"	11.9	2.3'x 1.3'	21.2	0.91	150.0 Mly
Glob	NGC 5466		Boo	14h05m27.0s	+28°32'06"	9.2	9.0'			52000 ly
Gal	NGC 5248	MCG 2-35-15	Boo	13h37m32.4s	+08°53'06"	10.9	4.8'x 3.0'	21.9	0.65	
PNe	Baby Eskimo	IC 3568	Cam	12h33m06.8s	+82°33'50"	11.6	18"	17.6		6800 ly
Gal	NGC 2146	MCG 13-5-22	Cam	06h18m37.7s	+78°21'21"	10.5	5.2'x 3.3'	21.7	0.79	
Gal	NGC 2655	Arp 225	Cam	08h55m38.9s	+78°13'25"	11.0	4.5'x 2.8'	21.9	0.86	
Gal	NGC 1961	Arp 184	Cam	05h42m05.4s	+69°22'42"	11.8	4.1'x 2.9'	22.6	0.74	180.0 Mly
Gal	IC 342	MCG 11-5-3	Cam	03h46m49.2s	+68°05'48"	9.6	20.0'x 19.0'	24.2		8.1 Mly
Gal	NGC 2403	MCG 11-10-7	Cam	07h36m50.7s	+65°36'09"	8.8	20.0'x 10.0'	22.7	0.47	11.0 Mly
Open	NGC 1502	Collinder 45	Cam	04h07m50.0s	+62°19'54"	4.1	8.0'			2700 ly
PNe	NGC 1501	PN G144.5+06.5	Cam	04h06m59.2s	+60°55'14"	12.0	56"	20.5		3600 ly
Open	Pazimo's Cluster	Stock 23	Cam	03h16m11.0s	+60°06'56"		29.0'			3300 ly
Open	Beehive	M 44	Cnc	08h40m24.0s	+19°40'00"	3.9	70.0'			610 ly
Open	M 67	NGC 2682	Cnc	08h51m18.0s	+11°48'00"	7.4	25.0'			3000 ly
Gal	NGC 2775	MCG 1-24-5	Cnc	09h10m20.1s	+07°02'17"	11.1	4.4'x 3.5'	22.2	0.90	
Gal	M 106	NGC 4258	CVn	12h18m57.6s	+47°18'13"	9.1	16.6'x 6.3'	22.3	0.69	30.0 Mly

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	NGC 5195	Arp 85	CVn	13h29m59.6s	+47°15'58"	10.5	5.6'x 4.5'	22.1	0.90	43.0 Mly
Gal	Whirlpool Galaxy	M 51	CVn	13h29m52.3s	+47°11'40"	8.7	9.8'x 7.8'	21.5	0.60	
Gal	NGC 4346	MCG 8-23-16	CVn	12h23m28.0s	+46°59'38"	12.1	3.2'x 1.1'	21.6		
Gal	NGC 4800	MCG 8-24-4	CVn	12h54m37.8s	+46°31'52"	12.3	1.7'x 1.2'	21.2		
Gal	NGC 4449	MCG 7-26-9	CVn	12h28m10.9s	+44°05'33"	9.5	5.2'x 3.3'	20.7	0.41	13.0 Mly
Gal	NGC 4111	MCG 7-25-26	CVn	12h07m03.2s	+43°03'55"	11.7	2.0'x 0.6'	20.1	0.89	43.0 Mly
Gal	NGC 4143	MCG 7-25-36	CVn	12h09m36.1s	+42°32'03"	11.8	2.8'x 1.7'	21.6		
Gal	Sunflower Galaxy	M 63	CVn	13h15m49.3s	+42°01'45"	9.3	12.0'x 7.2'	22.3	0.72	
Gal	NGC 4485	Arp 269	CVn	12h30m31.2s	+41°41'59"	12.3	2.1'x 1.5'	21.7	0.39	
Gal	Cocoon Galaxy	NGC 4490	CVn	12h30m36.4s	+41°38'37"	9.8	6.3'x 2.0'	20.7	0.43	17.0 Mly
Gal	NGC 4625	MCG 7-26-38	CVn	12h41m52.7s	+41°16'26"	13.0	1.5'x 1.2'	21.8	0.57	
Gal	NGC 4618	Arp 23	CVn	12h41m32.7s	+41°09'04"	11.3	4.0'x 2.8'	22.1	0.44	
Gal	M 94	NGC 4736	CVn	12h50m53.1s	+41°07'12"	8.7	10.0'x 8.7'	21.7	0.75	
Gal	NGC 5371	MCG 7-29-20	CVn	13h55m39.9s	+40°27'42"	11.3	4.0'x 2.6'	22.0	0.70	
Gal	NGC 5350	Markarian 1485	CVn	13h53m21.6s	+40°21'50"	12.3	2.8'x 1.9'	22.3	0.81	15.0 Mly
Gal	NGC 5354	MCG 7-29-11	CVn	13h53m26.8s	+40°18'14"	12.4	2.8'x 1.3'	22.0	0.96	
Gal	NGC 5353	MCG 7-29-10	CVn	13h53m26.7s	+40°16'59"	12.0	2.5'x 1.3'	21.4	0.97	
Gal	NGC 4151	MCG 7-25-44	CVn	12h10m32.7s	+39°24'21"	11.3	3.7'x 2.9'	22.0	0.73	
Gal	Silver Needle	NGC 4244	CVn	12h17m29.5s	+37°48'25"	10.4	15.1'x 5.9'	23.4	0.50	
Gal	NGC 5005	MCG 6-29-52	CVn	13h10m56.3s	+37°03'30"	10.5	5.4'x 2.0'	21.2	0.80	13.0 Mly
Gal	NGC 5033	MCG 6-29-62	CVn	13h13m27.5s	+36°35'37"	10.7	9.5'x 4.3'	22.9	0.55	
Gal	NGC 4214	MCG 6-27-42	CVn	12h15m39.1s	+36°19'41"	10.2	7.8'x 6.3'	22.6	0.46	
Gal	NGC 5273	MCG 6-30-72	CVn	13h42m08.4s	+35°39'15"	12.5	2.5'x 1.8'	22.3	0.85	14.0 Mly
Gal	NGC 4395	MCG 6-27-53	CVn	12h25m49.0s	+33°32'49"	10.8	4.2'x 1.6'	21.0	0.46	

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Gal	NGC 4627	Arp 281	CVn	12h41m59.7s	+32°34'24"	13.0	2.2'x 1.7'	22.6	0.63	
Gal	Whale Galaxy	NGC 4631	CVn	12h42m07.7s	+32°32'34"	9.5	13.2'x 2.4'	21.4	0.56	
Gal	NGC 4656	MCG 5-30-66	CVn	12h43m57.6s	+32°10'13"	9.7	8.5'x 1.1'	20.3	0.44	
Glob	M 3	NGC 5272	CVn	13h42m11.0s	+28°22'42"	6.3	18.0'			42000 ly
Open	NGC 2345	Collinder 129	CMa	07h08m18.0s	-13°11'36"	8.1	12.0'			7300 ly
Neb	Thor's Helmet	NGC 2359	CMa	07h18m30.0s	-13°14'00"		10.0'			
Open	NGC 2374	Collinder 139	CMa	07h23m56.0s	-13°15'48"	7.3	12.0'			4800 ly
Open	NGC 2360	Collinder 134	CMa	07h17m43.0s	-15°38'30"	9.1	13.0'			6200 ly
Open	NGC 2204	Collinder 88	CMa	06h15m33.0s	-18°39'54"	9.3	10.0'			8600 ly
Open	M 41	NGC 2287	CMa	06h46m01.0s	-20°45'24"	5.0	39.0'			2300 ly
Open	NGC 2383	Collinder 141	CMa	07h24m40.0s	-20°56'54"	8.7	5.0'			5400 ly
Open	NGC 2384	Collinder 142	CMa	07h25m10.0s	-21°01'18"	8.2	5.0'			6900 ly
Gal	NGC 2207	MCG -4-15-20	CMa	06h16m22.1s	-21°22'22"	12.2	4.7'x 2.6'	23.1	0.68	
Gal	IC 2163	MCG -4-15-21	CMa	06h16m27.7s	-21°22'31"	11.8	3.1'x 1.0'	21.2	0.63	
Open	NGC 2362	Collinder 136	CMa	07h18m41.0s	-24°57'18"	3.8	5.0'			4500 ly
Open	NGC 2354	Collinder 131	CMa	07h14m10.0s	-25°41'24"	8.9	18.0'			13000 ly
Gal	NGC 2217	MCG -5-15-10	CMa	06h21m40.0s	-27°14'03"	11.6	4.9'x 4.4'	23.1	1.00	
Glob	M 30	NGC 7099	Cap	21h40m22.0s	-23°10'42"	6.9	12.0'			39000 ly
Gal	NGC 6907	MCG -4-48-6	Cap	20h25m06.5s	-24°48'30"	11.9	3.5'x 2.6'	22.4	0.69	140.0 Mly
Open	NGC 637	Collinder 17	Cas	01h43m04.0s	+64°02'24"	7.3	3.0'			7000 ly
Open	NGC 559	Collinder 13	Cas	01h29m31.0s	+63°18'24"	7.4	6.0'			4100 ly
Open	NGC 654	Collinder 18	Cas	01h44m00.0s	+61°53'06"	8.2	5.0'			6700 ly
Open	Sailboat Cluster	NGC 225	Cas	00h43m39.0s	+61°46'30"	8.9	12.0'			2100 ly
Open	M 52	NGC 7654	Cas	23h24m48.0s	+61°35'36"	8.2	15.0'			4600 ly
Open	NGC 381	Collinder 10	Cas	01h08m19.0s	+61°35'00"	9.3	6.0'			3700 ly

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Open	NGC 1027	Collinder 30	Cas	02h42m40.0s	+61°35'42"	7.4	20.0'			2500 ly
Open	NGC 136	Collinder 4	Cas	00h31m31.0s	+61°30'36"		1.5'			13000 ly
Open	IC 1805	Collinder 26	Cas	02h32m42.0s	+61°27'00"	4.8	20.0'			6100 ly
PNe	IC 289	PN G138.8+02.8	Cas	03h10m19.3s	+61°19'01"	12.0	45"	20.0		4200 ly
Open	Collinder 15	Trumpler 1	Cas	01h35m42.0s	+61°17'00"	8.9	3.0'			8400 ly
Open	NGC 663	Collinder 20	Cas	01h46m09.0s	+61°14'06"	6.4	14.0'			6400 ly
Open	NGC 7790	OCL 276	Cas	23h58m24.0s	+61°12'30"	7.2	5.0'			9600 ly
Neb	Bubble Nebula	NGC 7635	Cas	23h20m43.0s	+61°12'31"	11.0	16.0'x 9.0'			
Open	NGC 189	Collinder 462	Cas	00h39m35.0s	+61°05'42"	11.1	5.0'			2500 ly
Open	NGC 659	Collinder 19	Cas	01h44m24.0s	+60°40'24"	7.2	5.0'			6300 ly
Open	M 103	NGC 581	Cas	01h33m23.0s	+60°39'00"	6.9	5.0'			7200 ly
Open	NGC 129	Collinder 2	Cas	00h30m00.0s	+60°13'06"	9.8	19.0'			5300 ly
Open	NGC 743	OCL 343	Cas	01h58m37.0s	+60°09'18"		6.0'			
Open	Muscle Man Cluster	Stock 2	Cas	02h14m43.0s	+59°29'06"	4.4	60.0'			990 ly
Gal	IC 10	MCG 10-1-1	Cas	00h20m23.1s	+59°17'35"	11.8	6.0'x 5.4'	23.7	1.43	
Open	NGC 436	Collinder 11	Cas	01h15m58.0s	+58°48'42"	9.3	5.0'			9800 ly
Open	ET Cluster	NGC 457	Cas	01h19m35.0s	+58°17'12"	5.1	20.0'			7900 ly
Open	NGC 7789	OCL 269	Cas	23h57m24.0s	+56°42'30"	7.5	25.0'			7600 ly
Open	NGC 281	IC 1590	Cas	00h52m49.0s	+56°37'42"	7.4	4.0'			9600 ly
Open	Alessi 1		Cas	00h53m27.0s	+49°34'00"		48.0'			980 ly
Gal	NGC 147	MCG 8-2-5	Cas	00h33m12.0s	+48°30'31"	10.6	11.2'x 6.5'	23.4	0.95	
Gal	NGC 185	MCG 8-2-10	Cas	00h38m57.9s	+48°20'15"	10.2	10.7'x 8.9'	23.3	0.92	
Gal	NGC 278	MCG 8-2-16	Cas	00h52m04.3s	+47°33'02"	11.5	2.3'x 2.3'	21.5	0.64	
Gal	NGC 5102	MCG -6-29-31	Cen	13h21m57.6s	-36°37'49"	10.3	9.5'x 3.5'	22.2	0.72	12.0 Mly

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Gal	Centaurus A	NGC 5128	Cen	13h25m27.7s	-43°01'07"	7.8	27.5'x 18.2'	22.7	1.00	12.0 Mly
Glob	Omega Centauri	NGC 5139	Cen	13h26m46.0s	-47°28'36"	3.9	55.0'			16000 ly
Gal	NGC 4945	ESO 219 24	Cen	13h05m26.2s	-49°28'15"	9.3	20.4'x 4.3'	22.3		15.0 Mly
Gal	NGC 2300	Arp 114	Cep	07h32m20.0s	+85°42'32"	12.2	2.9'x 2.3'	22.4	1.08	
Open	NGC 188	Collinder 6	Cep	00h47m28.0s	+85°15'18"	9.3	17.0'			6700 ly
PNe	NGC 40	PN G120.0+09.8	Cep	00h13m01.0s	+72°31'19"	10.7	1.0'	19.3		3700 ly
Neb	NGC 7023	vdB 139	Cep	21h01m36.0s	+68°09'52"		3.0'x 2.0'			
Open	NGC 7762	Collinder 457	Cep	23h50m01.0s	+68°02'18"		14.0'			2400 ly
Open	NGC 7129	OCL 240	Cep	21h42m59.0s	+66°06'48"	11.5	7.0'			
Gal	NGC 6951	MCG 11-25-2	Cep	20h37m14.2s	+66°06'20"	12.0	3.2'x 2.3'	22.3	0.99	
Open	NGC 7142	Collinder 442	Cep	21h45m09.0s	+65°46'30"	10.0	12.0'			5500 ly
Open	NGC 7160	Collinder 443	Cep	21h53m40.0s	+62°36'12"	6.4	5.0'			2600 ly
Open	NGC 6939	Collinder 423	Cep	20h31m30.0s	+60°39'42"	10.1	10.0'			5900 ly
Open	NGC 7510	Collinder 454	Cep	23h11m03.0s	+60°34'12"	9.3	6.0'			6800 ly
Open	King 10	OCL 248	Cep	22h54m54.0s	+59°10'00"		4.0'			11000 ly
Open	NGC 7380	Collinder 452	Cep	22h47m21.0s	+58°07'54"	8.8	20.0'			7200 ly
Neb	IC 1396	Sh 2-131	Cep	21h39m06.0s	+57°30'00"		89.0'			
Open	Berkeley 94	OCL 231	Cep	22h22m42.0s	+55°51'00"	8.7	3.0'			8600 ly
Gal	NGC 864	MCG 1-6-61	Cet	02h15m27.5s	+06°00'06"	11.6	4.0'x 2.8'	22.3	0.55	
Gal	NGC 1055	MCG 0-7-81	Cet	02h41m45.2s	+00°26'32"	11.4	6.2'x 2.9'	22.7	0.81	
Gal	M 77	NGC 1068	Cet	02h42m40.8s	-00°00'48"	9.7	6.6'x 5.8'	21.8	0.74	70.0 Mly
Gal	NGC 1087	MCG 0-8-9	Cet	02h46m25.2s	-00°29'55"	11.5	3.6'x 2.3'	21.9	0.52	
Gal	NGC 955	MCG 0-7-27A	Cet	02h30m33.2s	-01°06'30"	12.9	2.4'x 0.7'	21.6	0.96	
Gal	NGC 936	MCG 0-7-17	Cet	02h27m37.5s	-01°09'20"	11.2	4.5'x 3.4'	22.3	0.97	
Gal	NGC 779	MCG -1-6-16	Cet	01h59m42.5s	-05°57'52"	11.9	1.5'x 0.6'	20.0	0.79	

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	NGC 1022	MCG -1-7-25	Cet	02h38m32.7s	-06°40'39"	12.1	2.6'x 1.9'	22.0	0.75	
Gal	NGC 584	MCG -1-4-60	Cet	01h31m20.8s	-06°52'06"	11.3	3.7'x 2.4'	21.8	0.96	
Gal	NGC 596	MCG -1-5-5	Cet	01h32m51.9s	-07°01'54"	11.8	2.5'x 1.8'	21.6	0.90	
Gal	NGC 615	MCG -1-5-8	Cet	01h35m05.7s	-07°20'25"	12.4	3.0'x 1.1'	21.9	0.86	
Gal	NGC 1052	MCG -1-7-34	Cet	02h41m04.7s	-08°15'18"	11.4	2.9'x 2.0'	21.5	0.94	1600 ly
Gal	NGC 157	MCG -2-2-56	Cet	00h34m46.6s	-08°23'47"	11.0	4.1'x 2.3'	21.6	0.59	
PNe	NGC 246	PN G118.8-74.7	Cet	00h47m03.3s	-11°52'19"	10.4	4.0'	22.0		
Gal	NGC 720	MCG -2-5-68	Cet	01h53m00.5s	-13°44'19"	11.1	4.7'x 2.5'	21.9	0.98	
Gal	NGC 210	MCG -2-2-81	Cet	00h40m35.1s	-13°52'26"	11.7	5.0'x 3.1'	22.8	0.71	
Gal	NGC 247	MCG -4-3-5	Cet	00h47m08.6s	-20°45'38"	9.7	20.0'x 5.0'	22.8	0.56	8.1 Mly
Gal	NGC 908	MCG -4-6-35	Cet	02h23m04.6s	-21°14'02"	10.8	6.2'x 2.8'	22.0	0.65	
Gal	NGC 578	MCG -4-4-20	Cet	01h30m28.5s	-22°40'02"	11.6	4.1'x 2.7'	22.3	0.51	
Gal	NGC 1808	MCG -6-12-5	Col	05h07m42.3s	-37°30'47"	10.8	6.8'x 3.0'	22.2	0.81	
Gal	NGC 1792	MCG -6-12-4	Col	05h05m15.0s	-37°58'47"	10.8	6.0'x 3.0'	22.1	0.68	
Glob	NGC 1851		Col	05h14m06.0s	-40°02'48"	7.1	12.0'			55000 ly
Gal	NGC 4203	MCG 6-27-40	Com	12h15m04.9s	+33°11'54"	11.7	3.4'x 1.7'	21.7	0.94	
Gal	NGC 4414	MCG 5-29-85	Com	12h26m27.1s	+31°13'22"	11.0	2.8'x 1.6'	20.7	0.84	
Gal	NGC 4150	MCG 5-29-29	Com	12h10m33.7s	+30°24'05"	12.5	2.1'x 1.4'	21.8	0.80	
Gal	NGC 4314	MCG 5-29-75	Com	12h22m32.3s	+29°53'42"	11.4	3.8'x 3.6'	22.4	0.85	
Gal	NGC 4274	MCG 5-29-60	Com	12h19m50.5s	+29°36'51"	11.3	5.0'x 2.1'	22.0	0.93	
Gal	NGC 4245	MCG 5-29-49	Com	12h17m36.8s	+29°36'29"	12.3	2.7'x 1.8'	22.2	0.91	
Gal	NGC 4278	MCG 5-29-62	Com	12h20m06.9s	+29°16'53"	11.0	3.3'x 3.1'	21.7	0.93	
Gal	NGC 4448	MCG 5-29-89	Com	12h28m15.2s	+28°37'16"	12.0	1.8'x 1.1'	20.8	0.93	
Gal	NGC 4251	MCG 5-29-50	Com	12h18m08.3s	+28°10'31"	11.6	2.8'x 1.5'	21.3	0.86	

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	NGC 4559	MCG 5-30-30	Com	12h35m57.7s	+27°57'35"	10.3	10.0'x 4.3'	22.5	0.45	
Gal	NGC 4565	MCG 4-30-6	Com	12h36m20.8s	+25°59'15"	10.1	14.5'x 2.3'	22.1	0.84	
Gal	NGC 4494	MCG 4-30-2	Com	12h31m24.0s	+25°46'30"	10.7	4.4'x 4.2'	22.0	0.88	
Gal	NGC 4725	MCG 4-30-22	Com	12h50m26.6s	+25°30'03"	9.9	9.5'x 6.6'	22.5	0.72	
Gal	Black Eye Galaxy	M 64	Com	12h56m43.8s	+21°41'00"	9.3	10.0'x 5.0'	21.7	0.84	12.0 Mly
Glob	NGC 4147		Com	12h10m06.0s	+18°32'30"	10.4	4.4'			85000 ly
Gal	NGC 4293	MCG 3-32-6	Com	12h21m12.8s	+18°22'57"	11.1	6.0'x 4.1'	22.7	0.90	
Gal	NGC 4394	MCG 3-32-35	Com	12h25m55.6s	+18°12'50"	11.6	3.6'x 3.5'	22.5	0.85	
Gal	M 85	NGC 4382	Com	12h25m24.1s	+18°11'28"	10.0	7.6'x 5.9'	22.3	0.89	70.0 Mly
Glob	M 53	NGC 5024	Com	13h12m55.0s	+18°10'12"	7.7	13.0'			65000 ly
Glob	NGC 5053		Com	13h16m27.0s	+17°42'00"	9.0	10.0'			55000 ly
Gal	NGC 4450	MCG 3-32-48	Com	12h28m29.6s	+17°05'06"	10.8	5.6'x 4.4'	22.4	0.82	
Gal	NGC 4350	MCG 3-32-23	Com	12h23m57.7s	+16°41'33"	11.9	2.8'x 1.1'	21.2	0.95	
Gal	M 100	NGC 4321	Com	12h22m54.9s	+15°49'21"	10.0	7.6'x 6.8'	22.4	0.70	70.0 Mly
Gal	NGC 4710	MCG 3-33-9	Com	12h49m38.9s	+15°09'55"	11.8	4.6'x 1.2'	21.8	0.89	
Gal	NGC 4419	MCG 3-32-38	Com	12h26m56.6s	+15°02'49"	12.0	3.5'x 1.2'	21.7	0.92	
Gal	M 98	NGC 4192	Com	12h13m48.3s	+14°53'57"	10.9	9.5'x 2.3'	22.4	0.81	70.0 Mly
Gal	M 91	NGC 4548	Com	12h35m26.4s	+14°29'47"	10.9	5.4'x 4.6'	22.5	0.81	70.0 Mly
Gal	M 88	NGC 4501	Com	12h31m59.2s	+14°25'13"	10.2	7.8'x 4.8'	22.3	0.73	70.0 Mly
Gal	St. Katherine's Whe	M 99	Com	12h18m49.6s	+14°24'59"	10.4	5.1'x 4.6'	22.0	0.57	70.0 Mly
Gal	NGC 4459	MCG 2-32-83	Com	12h29m00.0s	+13°58'43"	11.4	4.6'x 3.7'	22.6	0.95	
Gal	NGC 4689	MCG 2-33-22	Com	12h47m45.7s	+13°45'44"	11.6	3.9'x 3.1'	22.4	0.65	
Gal	NGC 4477	MCG 2-32-97	Com	12h30m02.2s	+13°38'11"	11.3	3.9'x 3.5'	22.3	0.96	
Gal	NGC 4473	MCG 2-32-93	Com	12h29m48.9s	+13°25'46"	11.1	4.1'x 2.4'	21.7	0.96	
Neb	NGC 6726	Bernes 160	CrA	19h01m42.0s	-36°53'00"		2.0'			

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Neb	NGC 6727	ESO 396-N14	CrA	19h01m42.0s	-36°53'00"		3.0'x 2.0'			
Neb	NGC 6729	Bernes 159	CrA	19h01m54.0s	-36°57'00"		48"x 36"			
Glob	NGC 6541		CrA	18h08m02.0s	-43°42'54"	6.3	15.0'			13000 ly
Gal	NGC 4783	MCG -2-33-51	Crv	12h54m36.9s	-12°33'29"	12.8	1.5'x 0.7'	21.0		210.0 Mly
Gal	NGC 4782	MCG -2-33-50	Crv	12h54m35.6s	-12°34'07"	12.2	1.8'x 1.1'	21.1		180.0 Mly
PNe	NGC 4361	PN G294.1+43.6	Crv	12h24m30.8s	-18°47'06"	10.9	1.3'	20.2		3100 ly
Gal	The Antennae	NGC 4038	Crv	12h01m52.9s	-18°52'03"	10.9	4.4'x 2.7'	21.7	0.65	
Gal	NGC 4039	Arp 244	Crv	12h01m53.8s	-18°53'06"	11.2	4.0'x 2.1'	21.6		
Gal	NGC 4027	Arp 22	Crv	11h59m30.1s	-19°15'55"	11.6	3.4'x 2.5'	22.1	0.54	
Gal	NGC 3672	MCG -2-29-28	Crt	11h25m02.5s	-09°47'43"	12.1	3.5'x 1.8'	22.2	0.70	
Gal	NGC 3962	MCG -2-30-40	Crt	11h54m40.1s	-13°58'30"	11.6	3.7'x 2.8'	22.3	0.95	
Gal	NGC 3887	MCG -3-30-12	Crt	11h47m04.6s	-16°51'16"	11.4	3.7'x 2.8'	22.1		
Gal	NGC 3511	MCG -4-26-20	Crt	11h03m23.8s	-23°05'12"	11.6	6.0'x 1.9'	22.4	0.57	
Gal	NGC 3955	MCG -4-28-5	Crt	11h53m57.0s	-23°09'51"	12.6	3.7'x 1.2'	22.3	0.69	
Gal	NGC 6946	Arp 29	Cyg	20h34m52.7s	+60°09'14"	9.8	10.5'x 10.0'	23.0	0.68	
PNe	NGC 7008	PN G093.4+05.4	Cyg	21h00m32.5s	+54°32'36"	12.0	1.4'	21.4		2800 ly
Open	NGC 7128	Collinder 440	Cyg	21h43m57.0s	+53°42'54"	11.3	4.0'			7500 ly
Open	NGC 7086	Collinder 437	Cyg	21h30m27.0s	+51°36'00"	11.6	12.0'			4200 ly
PNe	Blinking Planetary	NGC 6826	Cyg	19h44m48.2s	+50°31'30"	8.8	27"	15.7		3600 ly
Open	M 39	NGC 7092	Cyg	21h31m48.0s	+48°26'00"	5.3	29.0'			1100 ly
PNe	Cheeseburger Nebula	NGC 7026	Cyg	21h06m18.2s	+47°51'05"	12.0	25"	18.7		4500 ly
Neb	Cocoon Nebula	IC 5146	Cyg	21h53m24.0s	+47°16'00"	10.0	20.0'			
Open	NGC 7062	Collinder 434	Cyg	21h23m27.0s	+46°22'42"	8.3	5.0'			4800 ly
Open	NGC 6811	Collinder 402	Cyg	19h37m17.0s	+46°23'18"	9.0	14.0'			4000 ly

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Neb	Pelican Nebula	IC 5070	Cyg	20h51m06.0s	+44°27'09"	8.0	30.0'x 8.0'			
Neb	North American Nebula	NGC 7000	Cyg	20h58m30.0s	+44°22'28"	4.0	120.0'			
Open	NGC 6866	Collinder 412	Cyg	20h03m55.0s	+44°09'30"	9.1	14.0'			4700 ly
Open	NGC 7044	OCL 198	Cyg	21h13m09.0s	+42°29'42"	12.0	6.0'			10000 ly
PNe	NGC 7027	PN G084.9-03.4	Cyg	21h07m01.7s	+42°14'10"	9.6	18"	15.6		2600 ly
Open	NGC 6910	Collinder 420	Cyg	20h23m12.0s	+40°46'42"	7.3	10.0'			3700 ly
Open	NGC 6819	Collinder 403	Cyg	19h41m18.0s	+40°11'12"	9.5	5.0'			7700 ly
Open	M 29	NGC 6913	Cyg	20h23m57.0s	+38°30'30"	7.5	10.0'			3700 ly
Neb	Crescent Nebula	NGC 6888	Cyg	20h12m12.0s	+38°19'00"	10.0	17.0'x 9.0'			
Open	Berkeley 50	OCL 147	Cyg	20h10m24.0s	+34°58'00"		2.0'			
PNe	NGC 6857	PK 070+1.2	Cyg	20h01m49.8s	+33°32'24"	11.4	38"	19.0		
Neb	NGC 6979		Cyg	20h51m00.0s	+32°08'00"		3.0'			
Neb	NGC 6974	Sh 2-103	Cyg	20h50m48.0s	+31°52'00"		25.0'			
Neb	Veil Nebula (East)	NGC 6992	Cyg	20h56m24.0s	+31°43'00"	7.0	60.0'x 7.0'			
Neb	Veil Nebula (West)	NGC 6960	Cyg	20h45m42.0s	+30°43'00"	7.0	63.0'x 6.0'			
Open	NGC 6834	Collinder 407	Cyg	19h52m12.0s	+29°24'30"	9.7	5.0'			6700 ly
PNe	NGC 6905	He 2-466	Del	20h22m22.9s	+20°06'17"	12.0	44"	20.0		4700 ly
Glob	NGC 7006		Del	21h01m29.0s	+16°11'18"	10.6	3.6'			160000 ly
PNe	NGC 6891	PN G054.1-12.1	Del	20h15m08.8s	+12°42'16"	10.5	15"	16.2		7800 ly
Glob	NGC 6934		Del	20h34m11.0s	+07°24'18"	8.9	7.1'			62000 ly
Gal	NGC 6643	MCG 12-17-21	Dra	18h19m46.3s	+74°34'06"	11.7	3.6'x 1.8'	21.9	0.64	
Gal	NGC 3147	MCG 12-10-25	Dra	10h16m53.6s	+73°24'02"	11.3	4.1'x 3.5'	22.3	0.82	
Gal	NGC 6503	MCG 12-17-9	Dra	17h49m26.5s	+70°08'40"	10.8	6.5'x 2.1'	21.8	0.68	17.0 Mly
Gal	NGC 4236	MCG 12-12-4	Dra	12h16m42.1s	+69°27'45"	10.1	20.4'x 6.0'	23.5	0.42	11.0 Mly
PNe	Cat's Eye Nebula	NGC 6543	Dra	17h58m33.4s	+66°37'59"	8.3	22"	14.7		4400 ly

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	NGC 4125	MCG 11-15-27	Dra	12h08m06.0s	+65°10'27"	10.6	5.9'x 4.6'	22.3	0.93	47.0 Mly
Gal	NGC 5982	MCG 10-22-29	Dra	15h38m39.8s	+59°21'21"	12.0	3.1'x 2.0'	22.1	0.91	
Gal	Splinter Galaxy	NGC 5907	Dra	15h15m53.7s	+56°19'44"	11.1	11.0'x 1.4'	22.2	0.78	
Gal	M 102	NGC 5866	Dra	15h06m29.6s	+55°45'48"	10.7	6.3'x 2.8'	21.9	0.85	
Gal	NGC 7015	MCG 2-53-12	Equ	21h05m37.4s	+11°24'51"	13.2	1.7'x 1.5'	22.4	0.72	220.0 Mly
Gal	NGC 1507	Markarian 1080	Eri	04h04m27.0s	-02°11'23"	12.8	3.2'x 0.8'	21.9	0.57	
Neb	Witch Head Nebula	NGC 1909	Eri	05h04m30.0s	-07°16'00"		3.0°			5800 ly
Gal	NGC 1084	MCG -1-8-7	Eri	02h45m59.9s	-07°34'43"	11.2	3.1'x 2.0'	21.3	0.58	
PNe	Cleopatra's Eye	NGC 1535	Eri	04h14m15.8s	-12°44'22"	9.4	20"	15.6		
Gal	NGC 1407	MCG -3-10-30	Eri	03h40m11.9s	-18°34'49"	10.7	5.5'x 5.0'	22.4	1.03	
Gal	NGC 1400	MCG -3-10-22	Eri	03h39m30.9s	-18°41'17"	12.0	2.6'x 2.2'	22.0	0.96	
Gal	NGC 1300	MCG -3-9-18	Eri	03h19m40.8s	-19°24'40"	11.2	5.9'x 3.3'	22.6	0.68	
Gal	NGC 1232	Arp 41	Eri	03h09m45.3s	-20°34'51"	10.6	6.3'x 5.5'	22.6	0.63	
Gal	NGC 1332	MCG -4-9-11	Eri	03h26m17.2s	-21°20'07"	11.2	4.5'x 3.4'	22.3	0.96	
Gal	NGC 1331	MCG -4-9-12	Eri	03h26m28.4s	-21°21'20"	14.3	56"x 47"	22.1	0.88	
Gal	Holmberg VI	NGC 1325	Eri	03h24m25.6s	-21°32'38"	12.3	4.4'x 1.6'	22.6	0.69	
Gal	NGC 1187	MCG -4-8-16	Eri	03h02m37.8s	-22°52'03"	11.3	4.8'x 3.5'	22.5	0.56	
Gal	NGC 1531	MCG -5-11-1	Eri	04h11m59.1s	-32°51'07"	12.9	1.4'x 0.9'	21.3	0.74	
Gal	NGC 1532	MCG -5-11-2	Eri	04h12m04.3s	-32°52'27"	10.7	11.7'x 3.5'	22.9	0.80	
Gal	NGC 1404	MCG -6-9-13	Eri	03h38m51.7s	-35°35'35"	10.9	4.7'x 3.7'	22.1	0.97	1300 ly
Gal	NGC 1369	MCG -6-9-4	Eri	03h36m45.0s	-36°15'19"	13.7	1.9'x 1.5'	22.9		
Gal	NGC 1291	MCG -7-7-8	Eri	03h17m18.6s	-41°06'29"	9.5	9.1'x 6.6'	22.1	0.93	
PNe	NGC 1360	M 1-3	For	03h33m14.6s	-25°52'18"	9.4	6.0'	21.9		
Gal	NGC 1302	MCG -4-8-58	For	03h19m51.1s	-26°03'38"	11.6	4.2'x 3.5'	22.7	0.89	

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	NGC 1398	MCG -4-9-40	For	03h38m52.1s	-26°20'17"	10.6	7.1'x 5.0'	22.6	0.90	
Gal	NGC 1097	Arp 77	For	02h46m19.1s	-30°16'30"	10.2	9.3'x 5.6'	22.6	0.75	
Gal	NGC 1380	MCG -6-9-2	For	03h36m27.5s	-34°58'31"	10.9	5.1'x 2.8'	21.9	0.94	
Gal	NGC 1374	MCG -6-8-29	For	03h35m16.6s	-35°13'35"	12.0	2.8'x 2.6'	22.3	0.92	
Gal	NGC 1399	MCG -6-9-12	For	03h38m29.0s	-35°26'58"	10.4	7.2'x 6.6'	22.7	0.96	
Gal	NGC 1365	MCG -6-8-26	For	03h33m36.4s	-36°08'26"	10.4	10.5'x 6.2'	23.1	0.69	
Gal	Fornax A radio sour	NGC 1316	For	03h22m41.5s	-37°12'27"	9.4	12.6'x 7.9'	22.5	0.89	
Gal	NGC 986	MCG -7-6-15	For	02h33m34.1s	-39°02'42"	11.7	4.1'x 2.9'	22.5	0.73	
PNe	Gemini Nebula	NGC 2371	Gem	07h25m34.7s	+29°29'26"	11.2	1.2'	20.3		4400 ly
Open	NGC 2266	Collinder 113	Gem	06h43m19.0s	+26°58'12"	9.5	5.0'			11000 ly
Open	M 35	NGC 2168	Gem	06h09m00.0s	+24°21'00"	5.6	25.0'			3000 ly
Open	NGC 2158	Collinder 81	Gem	06h07m25.0s	+24°05'48"	12.1	5.0'			17000 ly
Open	NGC 2129	Collinder 77	Gem	06h01m07.0s	+23°19'20"	7.0	5.0'			4900 ly
Open	NGC 2420	Collinder 154	Gem	07h38m23.0s	+21°34'24"	10.0	5.0'			10000 ly
PNe	Eskimo Nebula	NGC 2392	Gem	07h29m10.8s	+20°54'42"	8.6	47"	16.7		3400 ly
Open	NGC 2304	Collinder 120	Gem	06h55m11.0s	+17°59'18"	10.0	3.0'			13000 ly
Open	NGC 2355	Collinder 133	Gem	07h16m59.0s	+13°45'00"	9.7	7.0'			7200 ly
Open	NGC 2395	Collinder 144	Gem	07h27m12.0s	+13°36'30"	9.4	14.0'			1700 ly
Gal	NGC 7424	MCG -7-47-8	Gru	22h57m18.3s	-41°04'14"	11.0	6.2'x 4.1'	22.6	0.48	
Gal	NGC 7582	MCG -7-47-29	Gru	23h18m23.2s	-42°22'11"	11.4	6.2'x 2.5'	22.5	0.75	
Glob	NGC 6229		Her	16h46m59.0s	+47°31'42"	9.4	4.5'			91000 ly
Glob	M 92	NGC 6341	Her	17h17m07.0s	+43°08'12"	6.5	14.0'			33000 ly
Gal	NGC 6207	MCG 6-37-7	Her	16h43m03.8s	+36°49'57"	11.9	2.9'x 1.3'	21.5	0.53	
Glob	Keystone Cluster	M 13	Her	16h41m41.0s	+36°27'36"	5.8	20.0'			26000 ly
PNe	Turtle Nebula	NGC 6210	Her	16h44m29.5s	+23°48'00"	9.7	20"	15.9		4700 ly

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
PNe	White Eyed Pea	IC 4593	Her	16h11m44.5s	+12°04'17"	11.0	12"	16.2		9000 ly
Gal	NGC 1433	ESO 249 14	Hor	03h42m01.5s	-47°13'19"	10.8	6.2'x 3.6'	22.3	0.79	
Open	M 48	NGC 2548	Hya	08h13m43.0s	-05°45'00"	5.5	30.0'			2500 ly
PNe	NGC 2610	PN G239.6+13.9	Hya	08h33m23.3s	-16°08'58"	13.0	50"	21.2		6300 ly
Gal	NGC 2811	MCG -3-24-3	Hya	09h16m11.1s	-16°18'46"	12.3	2.8'x 1.0'	21.5	0.96	
PNe	Ghost of Jupiter	NGC 3242	Hya	10h24m46.1s	-18°38'32"	8.6	40"	16.3		2800 ly
Gal	NGC 3091	MCG -3-26-7	Hya	10h00m13.9s	-19°38'07"	12.1	3.6'x 2.1'	22.5	1.00	180.0 Mly
Gal	NGC 2835	MCG -4-22-8	Hya	09h17m52.9s	-22°21'20"	11.1	6.5'x 4.0'	22.8	0.49	
Gal	NGC 2815	MCG -4-22-6	Hya	09h16m19.6s	-23°38'04"	12.8	3.5'x 1.2'	22.5	0.93	
Gal	NGC 2784	MCG -4-22-5	Hya	09h12m19.5s	-24°10'21"	11.2	5.8'x 2.6'	22.3	1.14	
Gal	NGC 3109	MCG -4-24-13	Hya	10h03m06.7s	-26°09'32"	10.4	17.8'x 3.2'	22.9		4.1 Mly
Glob	NGC 5694		Hya	14h39m36.0s	-26°32'18"	10.2	4.3'			100000 ly
Glob	M 68	NGC 4590	Hya	12h39m28.0s	-26°44'36"	7.3	11.0'			39000 ly
Gal	NGC 5078	MCG -4-32-1	Hya	13h19m49.8s	-27°24'34"	12.0	3.2'x 1.0'	21.4	1.04	
Gal	NGC 3923	MCG -5-28-12	Hya	11h51m02.1s	-28°48'23"	10.8	6.6'x 4.4'	22.6	1.00	
Gal	NGC 4105	MCG -5-29-13	Hya	12h06m40.6s	-29°45'42"	11.6	3.4'x 2.4'	22.0	0.95	
Gal	M 83	NGC 5236	Hya	13h37m00.8s	-29°51'56"	7.8	14.1'x 13.2'	21.6	0.66	15.0 Mly
Gal	NGC 3717	MCG -5-27-15	Hya	11h31m32.0s	-30°18'28"	12.2	5.9'x 1.4'	22.6	1.04	
Gal	NGC 3621	MCG -5-27-8	Hya	11h18m16.3s	-32°48'43"	10.1	10.5'x 4.5'	22.4	0.62	
Open	NGC 7245	Collinder 449	Lac	22h15m11.0s	+54°20'36"	9.2	5.0'			6900 ly
Open	IC 1434	Collinder 445	Lac	22h10m30.0s	+52°50'00"	9.0	6.0'			
Open	NGC 7296	Collinder 451	Lac	22h28m02.0s	+52°19'00"	9.7	4.0'			
Open	NGC 7243	Collinder 448	Lac	22h15m08.0s	+49°53'54"	6.7	29.0'			2600 ly
Open	NGC 7209	Collinder 444	Lac	22h05m07.0s	+46°29'00"	7.8	14.0'			3800 ly

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	NGC 2964	Markarian 404	Leo	09h42m54.3s	+31°50'50"	12.1	2.5'x 1.6'	21.7	0.68	
Gal	NGC 3900	MCG 5-28-34	Leo	11h49m09.4s	+27°01'19"	12.3	2.7'x 1.3'	21.8	0.85	
Gal	NGC 3912	MCG 5-28-37	Leo	11h50m04.5s	+26°28'45"	13.2	1.5'x 0.7'	21.4		
Gal	NGC 3193	Arp 316	Leo	10h18m24.9s	+21°53'38"	12.0	2.5'x 2.3'	22.0	0.95	
Gal	NGC 3190	Arp 316	Leo	10h18m05.3s	+21°49'58"	11.9	3.6'x 1.3'	21.7	0.97	
Gal	NGC 2903		Leo	09h32m09.7s	+21°30'03"	10.0	11.5'x 4.2'			
Gal	NGC 3226	Arp 94	Leo	10h23m27.0s	+19°53'54"	12.3	3.0'x 2.2'	22.5	0.90	
Gal	NGC 3227	Arp 94	Leo	10h23m30.6s	+19°51'54"	11.5	4.1'x 2.1'	22.0	0.82	
Gal	NGC 3626	MCG 3-29-32	Leo	11h20m03.8s	+18°21'24"	11.8	3.0'x 2.0'	21.9	0.82	
Gal	NGC 3608	MCG 3-29-22	Leo	11h16m59.0s	+18°08'55"	11.6	3.0'x 2.2'	21.8	0.94	
Gal	NGC 3507	MCG 3-28-53	Leo	11h03m25.4s	+18°08'07"	12.0	3.0'x 2.6'	22.4		
Gal	NGC 3607	MCG 3-29-20	Leo	11h16m54.5s	+18°03'11"	10.9	4.6'x 4.0'	22.2	0.93	
Gal	NGC 3686	MCG 3-29-51	Leo	11h27m44.0s	+17°13'27"	12.0	2.9'x 2.2'	22.1	0.57	
Gal	NGC 3655	MCG 3-29-39	Leo	11h22m54.7s	+16°35'22"	12.3	1.5'x 1.0'	20.8	0.65	
Gal	NGC 3377	MCG 2-28-9	Leo	10h47m42.4s	+13°59'08"	11.1	3.9'x 2.0'	21.5	0.86	
Gal	NGC 3489	MCG 2-28-39	Leo	11h00m18.6s	+13°54'05"	11.1	3.5'x 2.1'	21.4	0.83	
Gal	NGC 3628	Arp 317	Leo	11h20m16.9s	+13°35'28"	10.0	12.3'x 3.3'	22.2	0.80	
Gal	NGC 3412	MCG 2-28-16	Leo	10h50m53.3s	+13°24'44"	11.5	3.7'x 2.0'	21.8	0.91	
Gal	M 65	NGC 3623	Leo	11h18m55.7s	+13°05'32"	10.1	8.1'x 2.1'	21.3	0.92	41.0 Mly
Gal	M 66	NGC 3627	Leo	11h20m14.9s	+12°59'30"	9.7	8.9'x 4.0'	21.7	0.73	41.0 Mly
Gal	NGC 3593	MCG 2-29-14	Leo	11h14m37.0s	+12°49'05"	11.8	4.9'x 1.9'	22.4	0.94	
Gal	NGC 3384	MCG 2-28-12	Leo	10h48m16.9s	+12°37'43"	10.9	5.4'x 3.2'	22.1	0.93	
Gal	M 105	NGC 3379	Leo	10h47m49.6s	+12°34'54"	10.2	5.0'x 4.6'	21.7	0.96	45.0 Mly
Gal	NGC 3389	MCG 2-28-13	Leo	10h48m28.0s	+12°31'59"	12.5	2.6'x 1.1'	21.8	0.46	
Gal	M 96	NGC 3368	Leo	10h46m45.7s	+11°49'12"	10.1	7.6'x 5.0'	22.2	0.86	45.0 Mly

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	M 95	NGC 3351	Leo	10h43m57.7s	+11°42'13"	10.6	7.1'x 4.3'	22.4	0.80	45.0 Mly
Gal	NGC 3810	MCG 2-30-10	Leo	11h40m58.8s	+11°28'18"	11.3	3.6'x 2.5'	21.8	0.58	
Gal	NGC 3640	MCG 1-29-33	Leo	11h21m06.9s	+03°14'06"	11.3	4.4'x 3.8'	22.5	0.92	
Gal	NGC 3521	MCG 0-28-30	Leo	11h05m48.8s	-00°02'06"	9.9	9.5'x 4.6'	22.1	0.81	
Gal	NGC 3294	MCG 6-23-21	LMi	10h36m16.3s	+37°19'28"	12.1	3.2'x 1.7'	22.0	0.41	
Gal	NGC 3432	Arp 206	LMi	10h52m30.9s	+36°37'09"	11.6	6.8'x 1.6'	22.3	0.42	
Gal	NGC 2859	MCG 6-21-30	LMi	09h24m18.5s	+34°30'48"	11.8	3.8'x 3.3'	22.7	0.93	
Gal	NGC 3003	MCG 6-22-13	LMi	09h48m35.6s	+33°25'19"	12.2	5.1'x 1.3'	22.4	0.43	
Gal	NGC 3395	Arp 270	LMi	10h49m50.1s	+32°58'59"	12.4	1.6'x 0.9'	20.9	0.33	
Gal	NGC 3486	MCG 5-26-32	LMi	11h00m23.9s	+28°58'29"	11.1	6.0'x 4.3'	22.8	0.52	
Gal	NGC 3277	MCG 5-25-22	LMi	10h32m55.5s	+28°30'42"	12.5	2.1'x 1.6'	22.0	0.82	
Gal	NGC 3245	MCG 5-25-13	LMi	10h27m18.4s	+28°30'27"	11.7	3.3'x 2.0'	21.9	0.91	
Gal	NGC 3414	Arp 162	LMi	10h51m16.3s	+27°58'30"	12.0	2.9'x 1.7'	21.9	0.97	
Gal	NGC 3504	MCG 5-26-39	LMi	11h03m11.2s	+27°58'21"	11.6	2.6'x 2.3'	21.7	0.72	
Gal	NGC 3344	MCG 4-25-46	LMi	10h43m31.2s	+24°55'20"	10.5	6.6'x 6.3'	22.7	0.59	5000 ly
PNe	Spirograph Nebula	IC 418	Lep	05h27m28.2s	-12°41'50"	10.7	14"	16.2		
Gal	NGC 1964	MCG -4-14-3	Lep	05h33m21.5s	-21°56'49"	11.5	5.2'x 2.2'	22.3	0.77	
Glob	M 79	NGC 1904	Lep	05h24m11.0s	-24°31'30"	7.7	9.6'			
Glob	NGC 5897		Lib	15h17m24.0s	-21°00'36"	8.4	11.0'			46000 ly
Glob	NGC 5824		Lup	15h03m59.0s	-33°04'06"	9.1	7.4'			150000 ly
Glob	NGC 5986		Lup	15h46m03.0s	-37°47'12"	7.6	9.6'			46000 ly
PNe	Retina Nebula	IC 4406	Lup	14h22m26.3s	-44°09'04"	11.0	46"	19.1		5500 ly
Gal	NGC 5643	MCG -7-30-3	Lup	14h32m40.7s	-44°10'28"	10.8	5.0'x 4.2'	22.2	0.74	
Gal	Bear Paw	NGC 2537	Lyn	08h13m14.6s	+45°59'29"	12.3	2.0'x 1.4'	21.6	0.63	

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	NGC 2782	Arp 215	Lyn	09h14m05.2s	+40°06'47"	12.3	3.4'x 2.4'	22.7	0.67	200000 ly
Glob	Intergalactic Wande	NGC 2419	Lyn	07h38m08.0s	+38°52'54"	10.3	4.6'			
Gal	NGC 2683	MCG 6-20-11	Lyn	08h52m41.2s	+33°25'16"	10.0	8.7'x 2.5'	21.5	0.89	
Open	NGC 6791	Berkeley 46	Lyr	19h20m53.0s	+37°46'18"	9.5	10.0'			
Open	Stephenson 1	OCL 137	Lyr	18h53m30.0s	+36°55'00"	3.8	20.0'			
PNe	Ring Nebula	M 57	Lyr	18h53m35.1s	+33°01'45"	9.4	1.4'	18.8		2600 ly
Glob	M 56	NGC 6779	Lyr	19h16m36.0s	+30°11'06"	8.4	8.8'			42000 ly
Neb	NGC 2245	LBN 904	Mon	06h32m42.0s	+10°09'00"		3.0'x 2.0'			2200 ly
Open	NGC 2264	Collinder 112	Mon	06h40m58.0s	+09°53'42"	4.1	39.0'			
Neb	Hubble's Variable N	NGC 2261	Mon	06h39m10.0s	+08°45'00"		2.2'x 1.5'			
Open	NGC 2251	Collinder 101	Mon	06h34m38.0s	+08°22'00"	8.8	10.0'			
Open	NGC 2254	Collinder 103	Mon	06h35m49.0s	+07°40'24"	10.9	5.0'			
Open	NGC 2236	Collinder 94	Mon	06h29m39.0s	+06°49'48"	11.6	7.0'			9600 ly
Neb	NGC 2238	LBN 948	Mon	06h30m40.3s	+05°00'46"	6.0	2.0'			
Neb	Rosette	NGC 2237	Mon	06h32m02.0s	+04°59'10"	5.5	70.0'x 60.0'			
Open	NGC 2239	OCL 512	Mon	06h30m57.5s	+04°56'51"		15.0'			
Open	NGC 2244	Collinder 99	Mon	06h31m55.0s	+04°56'30"	5.2	29.0'			
Open	NGC 2269	Collinder 114	Mon	06h43m17.0s	+04°37'30"	9.2	3.0'			
Open	NGC 2324	Collinder 125	Mon	07h04m07.0s	+01°02'42"	7.9	10.6'			12000 ly
Open	NGC 2301	Collinder 119	Mon	06h51m45.0s	+00°27'36"	6.3	14.0'			2800 ly
Open	NGC 2286	Collinder 117	Mon	06h47m40.0s	-03°08'54"	8.3	14.0'			8500 ly
Open	NGC 2311	Collinder 123	Mon	06h57m47.0s	-04°36'42"	9.6	6.0'			7500 ly
Open	NGC 2232	Collinder 93	Mon	06h27m15.0s	-04°45'30"	4.2	53.0'			1200 ly
Neb	NGC 2185	vdB 73	Mon	06h11m00.0s	-06°14'00"		4.5'x 2.0'			8200 ly
Open	NGC 2309	Collinder 122	Mon	06h56m03.0s	-07°10'30"	10.5	5.0'			

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Open	NGC 2215	Collinder 90	Mon	06h20m49.0s	-07°17'00"	8.6	7.0'			4200 ly
Neb	NGC 2316	NGC 2317	Mon	06h59m41.0s	-07°46'20"		4.0'			
Open	M 50	NGC 2323	Mon	07h02m42.0s	-08°23'00"	7.2	14.0'			3300 ly
Open	NGC 2349		Mon	07h10m48.0s	-08°35'36"		10.0'			
Open	NGC 2225		Mon	06h26m36.0s	-09°38'18"		4.0'			
Open	NGC 2335	Collinder 127	Mon	07h06m49.0s	-10°01'42"	9.3	6.0'			4600 ly
Open	NGC 2353	Collinder 130	Mon	07h14m30.0s	-10°16'00"	5.2	18.0'			3600 ly
Open	NGC 2343	Collinder 128	Mon	07h08m06.0s	-10°37'00"	7.5	5.0'			3400 ly
Open	NGC 2506	Collinder 170	Mon	08h00m01.0s	-10°46'12"	8.9	12.0'			11000 ly
Gal	LEDA 78373		Mon	07h46m46.5s	-11°16'31"	17.6	17"x 15"	22.9		
Open	NGC 6134	Collinder 303	Nor	16h27m46.0s	-49°09'06"	8.8	6.0'			3000 ly
PNe	Blue Racquetball	NGC 6572	Oph	18h12m06.4s	+06°51'12"	8.0	15"	13.6		3500 ly
Open	NGC 6633	Collinder 380	Oph	18h27m15.0s	+06°30'30"	5.6	20.0'			1200 ly
Open	IC 4665	Collinder 349	Oph	17h46m18.0s	+05°43'00"	5.3	70.0'			1100 ly
Glob	NGC 6426		Oph	17h44m54.0s	+03°10'12"	10.9	4.2'			68000 ly
Glob	M 12	NGC 6218	Oph	16h47m14.0s	-01°56'48"	6.1	16.0'			23000 ly
Glob	M 14	NGC 6402	Oph	17h37m36.0s	-03°14'48"	7.6	11.0'			23000 ly
Glob	M 10	NGC 6254	Oph	16h57m09.0s	-04°06'00"	6.6	20.0'			23000 ly
Glob	NGC 6366		Oph	17h27m44.0s	-05°04'36"	9.5	13.0'			6500 ly
Glob	NGC 6517		Oph	18h01m51.0s	-08°57'30"	10.1	4.0'			160000 ly
PNe	Box Nebula	NGC 6309	Oph	17h14m04.3s	-12°54'38"	11.6	20"	17.8		7500 ly
Glob	M 107	NGC 6171	Oph	16h32m32.0s	-13°03'12"	7.8	13.0'			26000 ly
Glob	NGC 6356		Oph	17h23m35.0s	-17°48'48"	8.2	10.0'			36000 ly
Glob	M 9	NGC 6333	Oph	17h19m12.0s	-18°31'00"	7.8	12.0'			26000 ly

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Glob	NGC 6342	NGC 6369	Oph	17h21m10.0s	-19°35'12"	9.5	4.4'	18.1		130000 ly
Glob	NGC 6235		Oph	16h53m25.0s	-22°10'36"	8.9	5.0'			52000 ly
Glob	NGC 6287		Oph	17h05m09.0s	-22°42'30"	9.3	4.8'			33000 ly
PNe	Little Ghost Nebula		Oph	17h29m20.4s	-23°45'34"	11.0	30"			2800 ly
Glob	NGC 6401		Oph	17h38m37.0s	-23°54'36"	7.4	4.8'			
Glob	NGC 6284	NGC 6273	Oph	17h04m29.0s	-24°45'54"	8.9	6.2'			55000 ly
Glob	M 19		Oph	17h02m38.0s	-26°16'06"	6.8	17.0'			23000 ly
Glob	NGC 6355		Oph	17h23m58.0s	-26°21'12"	8.6	4.2'			
Glob	NGC 6293		Oph	17h10m10.0s	-26°34'54"	8.3	8.2'			39000 ly
Dark	B 65	LDN 1772	Oph	17h19m34.3s	-26°44'20"	6.0	12.0'			
Dark	B 67	LDN 1768	Oph	17h21m00.0s	-26°51'00"	6.0	13.0'			
Dark	B 66		Oph	17h19m48.5s	-26°55'12"	6.0	8.0'			
Glob	NGC 6316		Oph	17h16m37.0s	-28°08'24"	8.1	5.4'			100000 ly
Glob	NGC 6304		Oph	17h14m32.0s	-29°27'42"	8.3	8.0'			20000 ly
Glob	M 62	NGC 6266	Oph	17h01m13.0s	-30°06'48"	6.4	15.0'			26000 ly
Open	NGC 2175	Collinder 84	Ori	06h09m39.0s	+20°29'12"	6.8	22.0'	18.7		5300 ly
Open	37 Cluster	NGC 2169	Ori	06h08m24.0s	+13°57'54"	7.0	5.0'			3400 ly
Open	NGC 2194	Collinder 87	Ori	06h13m45.0s	+12°48'24"	10.0	9.0'			12000 ly
Open	NGC 2141	Collinder 79	Ori	06h02m55.0s	+10°26'48"	10.8	10.0'			13000 ly
PNe	NGC 2022	PN G196.6-10.9	Ori	05h42m06.2s	+09°05'11"	11.7	28"			8100 ly
Open	NGC 2186	Collinder 85	Ori	06h12m07.0s	+05°27'30"	9.2	5.0'			4700 ly
Neb	M 78	NGC 2068	Ori	05h46m48.0s	+00°05'00"	8.0	8.0'			
Neb	Flame Nebula	NGC 2024	Ori	05h41m42.0s	-01°51'00"		20.0'			
Neb	IC 434	LBN 954	Ori	05h41m00.0s	-02°27'00"	11.0	50.0'x 8.0'			
Dark	Horsehead Nebula	B 33	Ori	05h40m59.0s	-02°27'30"	4.0	4.0'			

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Neb	NGC 1788	vdB 33	Ori	05h06m54.0s	-03°20'00"		10.0'x 6.0'			
Open	NGC 1981	OCL 525	Ori	05h35m09.0s	-04°25'54"	4.2	28.0'			1300 ly
Neb	NGC 1973	Sh 2-279	Ori	05h35m06.0s	-04°44'00"	7.0	13.1'			
Open	NGC 1977	OCL 525.1	Ori	05h35m16.0s	-04°49'12"		20.0'			1600 ly
Neb	M 43	NGC 1982	Ori	05h35m30.0s	-05°16'00"	9.0	7.0'x 6.0'			
Neb	Great Orion Nebula	M 42	Ori	05h35m18.0s	-05°23'00"	4.0	40.0'x 20.0'			
Open	NGC 1980	Collinder 72	Ori	05h35m24.0s	-05°54'54"	2.5	20.0'			1600 ly
Neb	NGC 1999	vdB 46	Ori	05h36m24.0s	-06°43'00"		2.0'			
Gal	NGC 7331	MCG 6-49-45	Peg	22h37m04.3s	+34°24'59"	10.2	9.1'x 3.4'	22.1	0.87	
Gal	NGC 7320	Arp 319	Peg	22h36m03.4s	+33°56'53"	13.2	2.2'x 1.2'	22.4	0.60	
Gal	NGC 7217	MCG 5-52-1	Peg	22h07m52.4s	+31°21'33"	11.1	3.9'x 3.3'	22.0	0.90	
Gal	NGC 7814	MCG 3-1-20	Peg	00h03m15.0s	+16°08'42"	11.6	4.9'x 2.1'	22.3	0.99	
Gal	NGC 7448	Arp 13	Peg	23h00m03.6s	+15°58'49"	12.1	2.3'x 1.0'	21.1	0.49	
Gal	NGC 7043	MCG 2-54-14	Peg	21h14m04.2s	+13°37'34"	14.8	51"x 41"	22.4		220.0 Mly
Gal	NGC 7479	MCG 2-58-60	Peg	23h04m56.7s	+12°19'22"	11.7	3.7'x 2.8'	22.4	0.75	
Glob	M 15	NGC 7078	Peg	21h29m58.0s	+12°10'00"	6.3	18.0'			42000 ly
Gal	NGC 7619	MCG 1-59-52	Peg	23h20m14.5s	+08°12'22"	12.1	2.5'x 2.0'	22.0	1.04	170.0 Mly
Open	Chi Persei	NGC 884	Per	02h22m18.0s	+57°08'12"	4.4	18.0'			7600 ly
Open	h Persei	NGC 869	Per	02h19m00.0s	+57°07'42"	4.3	18.0'			6800 ly
Open	Collinder 29	Trumpler 2	Per	02h36m53.0s	+55°54'54"	9.0	17.0'			2100 ly
Open	NGC 1444	Collinder 43	Per	03h49m25.0s	+52°39'30"	6.4	4.0'			3900 ly
PNe	Little Dumbbell	M 76	Per	01h42m19.9s	+51°34'31"	10.1	2.7'	20.9		2400 ly
Neb	NGC 1491	Sh 2-206	Per	04h03m20.6s	+51°19'17"		9.0'			
Open	NGC 1528	Collinder 47	Per	04h15m23.0s	+51°12'54"	6.4	16.0'			2500 ly

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Open	NGC 1545	Collinder 49	Per	04h20m57.0s	+50°15'12"	4.6	18.0'			2300 ly
Open	Collinder 39	Melotte 20	Per	03h24m19.0s	+49°51'42"	2.3	5.0°			600 ly
Open	NGC 1513	Collinder 46	Per	04h09m57.0s	+49°30'54"	8.9	10.0'			4300 ly
Open	NGC 1245	Collinder 38	Per	03h14m42.0s	+47°14'12"	7.7	40.0'			9100 ly
Gal	NGC 1160	MCG 7-7-14	Per	03h01m13.3s	+44°57'20"	13.6	1.9'x 0.9'	22.2	0.68	
Open	M 34	NGC 1039	Per	02h42m05.0s	+42°45'42"	5.8	35.0'			1600 ly
Open	Berkeley 68	OCL 413	Per	04h44m30.0s	+42°04'00"	9.8	12.0'			5500 ly
Gal	Perseus A radio sou	NGC 1275	Per	03h19m48.2s	+41°30'42"	12.6	2.5'x 1.7'	22.3	0.76	240.0 Mly
Gal	NGC 1003	MCG 7-6-51	Per	02h39m16.7s	+40°52'26"	12.1	4.2'x 1.2'	22.0	0.55	
Gal	NGC 1023	Arp 135	Per	02h40m24.0s	+39°03'48"	9.6	7.6'x 2.8'	21.1	1.00	
Open	NGC 1342	Collinder 40	Per	03h31m38.0s	+37°22'36"	7.2	15.0'			2200 ly
Neb	California Nebula	NGC 1499	Per	04h03m12.0s	+36°22'00"	5.0	120.0'x 41.0'			
Neb	NGC 1579	Sh 2-222	Per	04h30m12.0s	+35°17'00"		5.0'x 6.0'			
Neb	NGC 1333	vdB 17	Per	03h29m17.8s	+31°24'10"		9.0'			
Gal	M 74	NGC 628	Psc	01h36m41.8s	+15°47'00"	9.7	9.5'x 8.9'	22.7	0.56	
Gal	NGC 524	MCG 1-4-53	Psc	01h24m47.7s	+09°32'20"	11.4	3.3'	22.1	1.05	
Gal	NGC 488	MCG 1-4-33	Psc	01h21m46.8s	+05°15'24"	11.1	5.0'x 3.6'	22.4	0.87	
Gal	NGC 7541	MCG 1-59-17	Psc	23h14m43.8s	+04°32'02"	12.5	3.2'x 1.0'	21.9	0.70	
Gal	NGC 7314	Arp 14	PsA	22h35m46.2s	-26°03'03"	11.6	4.4'x 1.9'	22.0	0.61	
Gal	NGC 7176	MCG -5-52-11	PsA	22h02m08.4s	-31°59'23"	12.4	1.6'x 1.3'	21.3		
Gal	NGC 7174	MCG -5-52-10	PsA	22h02m06.3s	-31°59'34"	13.9	2.5'x 1.7'	23.6		
Gal	IC 5271	MCG -6-50-19	PsA	22h58m01.8s	-33°44'32"	12.4	2.6'x 1.0'	21.6	0.79	
Open	Collinder 155	Melotte 71	Pup	07h37m30.0s	-12°04'00"	9.0	7.0'			10000 ly
Open	NGC 2539	Collinder 176	Pup	08h10m37.0s	-12°49'06"	8.0	9.0'			4400 ly
Open	NGC 2423	Collinder 153	Pup	07h37m06.0s	-13°52'18"	7.0	12.0'			2500 ly

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Open	NGC 2401	Collinder 149	Pup	07h29m24.0s	-13°58'00"	12.6	2.0'			19000 ly
Open	M 47	NGC 2422	Pup	07h36m35.0s	-14°29'00"	4.3	25.0'			1600 ly
PNe	NGC 2438	PN G231.8+04.1	Pup	07h41m51.4s	-14°43'55"	11.0	1.1'	19.8		3700 ly
Open	M 46	NGC 2437	Pup	07h41m46.0s	-14°48'36"	6.6	20.0'			4500 ly
Open	NGC 2425	Haffner 12	Pup	07h38m17.0s	-14°52'42"		5.0'			13000 ly
Open	NGC 2479	Collinder 167	Pup	07h55m06.0s	-17°42'36"	9.6	10.0'			5400 ly
PNe	NGC 2440	PN G234.8+02.4	Pup	07h41m55.4s	-18°12'31"	11.5	54"	19.9		3700 ly
Open	NGC 2509	Collinder 171	Pup	08h00m48.0s	-19°03'06"	9.3	6.0'			
Open	NGC 2421	Collinder 151	Pup	07h36m13.0s	-20°36'42"	9.0	6.0'			7200 ly
Open	M 93	NGC 2447	Pup	07h44m30.0s	-23°51'24"	6.5	10.0'			3400 ly
Open	NGC 2482	Collinder 166	Pup	07h55m12.0s	-24°15'30"	8.8	10.0'			4400 ly
Open	NGC 2467	Collinder 164	Pup	07h52m26.0s	-26°26'12"	7.1	14.0'			4400 ly
Open	NGC 2453	Collinder 162	Pup	07h47m35.0s	-27°11'42"	9.0	4.0'			7000 ly
PNe	NGC 2452	He 2-4	Pup	07h47m26.2s	-27°20'07"	12.6	22"	19.0		8000 ly
Open	NGC 2527	Collinder 174	Pup	08h04m58.0s	-28°08'48"	8.3	10.0'			2000 ly
Open	NGC 2571	Collinder 181	Pup	08h18m56.0s	-29°45'00"	7.4	8.0'			4400 ly
Open	NGC 2533	Collinder 175	Pup	08h07m04.0s	-29°53'00"	10.0	5.0'			11000 ly
Open	NGC 2489	Collinder 169	Pup	07h56m15.0s	-30°03'48"	9.3	6.0'			13000 ly
Open	NGC 2567	Collinder 180	Pup	08h18m32.0s	-30°38'24"	8.4	7.0'			5500 ly
Open	NGC 2439	Collinder 158	Pup	07h40m45.0s	-31°41'36"	7.1	9.0'			13000 ly
Open	NGC 2588	Collinder 186	Pup	08h23m10.0s	-32°58'30"	11.8	2.0'			16000 ly
Open	NGC 2546	Collinder 178	Pup	08h12m15.0s	-37°35'42"	5.2	70.0'			3000 ly
Open	NGC 2451	Collinder 161	Pup	07h45m23.0s	-37°57'21"	3.7	45.0'			720 ly
Open	NGC 2477	Collinder 165	Pup	07h52m10.0s	-38°31'48"	5.7	15.0'			4000 ly

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	NGC 2613	MCG -4-21-3	Pyx	08h33m22.5s	-22°58'24"	11.1	7.4'x 1.7'	22.0	0.91	
Open	NGC 2627	Collinder 188	Pyx	08h37m15.0s	-29°57'18"	8.4	8.0'			6500 ly
Glob	M 71	NGC 6838	Sge	19h53m46.0s	+18°46'42"	8.4	4.0'			16000 ly
Open	Collinder 408	Harvard 20	Sge	19h53m06.0s	+18°20'00"	9.6	7.0'			5000 ly
PNe	Little Gem	NGC 6818	Sgr	19h43m57.8s	-14°09'12"	10.0	22"	16.4		7300 ly
Gal	Barnard's Galaxy	NGC 6822	Sgr	19h44m57.8s	-14°48'11"	9.4	13.5'x 12.3'	23.1		
Open	M 17	NGC 6618	Sgr	18h20m47.0s	-16°10'18"	7.3	25.0'			4200 ly
Neb	Omega Nebula	M 17	Sgr	18h20m48.0s	-16°11'00"	6.0	11.0'			
Open	NGC 6645	Collinder 383	Sgr	18h32m37.0s	-16°53'00"	8.5	14.0'			
Open	M 18	NGC 6613	Sgr	18h19m58.0s	-17°06'06"	7.5	5.0'			4200 ly
Open	NGC 6507	Collinder 358	Sgr	17h59m50.0s	-17°27'00"	9.6	14.0'			
Dark	B 93	LDN 327	Sgr	18h16m54.0s	-18°04'00"	4.0	2.0'			
Dark	Black Hole	B 92	Sgr	18h15m30.0s	-18°11'00"	6.0	12.0'			
Open	M 24	NGC 6603	Sgr	18h18m26.0s	-18°24'24"	11.1	6.0'			12000 ly
Open	M 23	NGC 6494	Sgr	17h57m04.0s	-18°59'06"	5.9	29.0'			2000 ly
Open	M 25	IC 4725	Sgr	18h31m47.0s	-19°07'00"	6.2	29.0'			2000 ly
PNe	NGC 6445	He 2-290	Sgr	17h49m15.1s	-20°00'34"	13.0	35"	20.5		4200 ly
Glob	NGC 6440		Sgr	17h48m53.0s	-20°21'36"	9.3	4.4'			13000 ly
Open	NGC 6568	Collinder 369	Sgr	18h12m44.0s	-21°36'18"	8.6	12.0'			2500 ly
Glob	M 75	NGC 6864	Sgr	20h06m05.0s	-21°55'18"	8.6	6.8'			95000 ly
Open	NGC 6583	Collinder 370	Sgr	18h15m49.0s	-22°08'12"	10.0	5.0'			
Open	M 21	NGC 6531	Sgr	18h04m13.0s	-22°29'24"	7.2	14.0'			3900 ly
Glob	NGC 6717	Palomar 9	Sgr	18h55m06.0s	-22°42'06"	8.4	5.4'			
Open	M 20	NGC 6514	Sgr	18h02m42.0s	-22°58'18"	5.2	28.0'			2700 ly
Neb	Trifid Nebula	M 20	Sgr	18h02m22.0s	-22°59'12"	6.3	16.0'x 9.0'			

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
PNe	NGC 6629	He 2-399	Sgr	18h25m42.4s	-23°12'11"	10.5	16"	16.3		6800 ly
Glob	NGC 6642		Sgr	18h31m54.0s	-23°28'30"	8.9	5.8'			
Glob	M 22	NGC 6656	Sgr	18h36m24.0s	-23°54'12"	5.2	32.0'			9800 ly
Open	NGC 6530	Collinder 362	Sgr	18h04m31.0s	-24°21'30"	5.1	14.0'			4300 ly
Neb	Lagoon Nebula	M 8	Sgr	18h04m02.0s	-24°23'14"	5.0	17.0'x 15.0'			
Glob	M 28	NGC 6626	Sgr	18h24m33.0s	-24°52'12"	6.9	13.8'			16000 ly
Glob	NGC 6544		Sgr	18h07m20.0s	-24°59'54"	7.5	9.2'			16000 ly
Glob	NGC 6638		Sgr	18h30m56.0s	-25°29'48"	9.2	7.3'			49000 ly
Glob	NGC 6553		Sgr	18h09m17.0s	-25°54'30"	8.3	9.2'			87000 ly
Open	NGC 6540	Collinder 364	Sgr	18h06m21.0s	-27°47'39"	14.6	48"			
Dark	Ink Spot	B 86	Sgr	18h02m58.0s	-27°52'06"	5.0	5.0'			
Open	NGC 6520	Collinder 361	Sgr	18h03m24.0s	-27°53'18"	7.6	5.0'			5100 ly
Glob	NGC 6522		Sgr	18h03m35.0s	-30°02'06"	9.9	9.4'			39000 ly
Glob	NGC 6528		Sgr	18h04m49.0s	-30°03'24"	9.6	5.0'			140000 ly
Glob	NGC 6624		Sgr	18h23m40.0s	-30°21'30"	7.6	8.8'			42000 ly
Glob	M 54	NGC 6715	Sgr	18h55m03.0s	-30°28'42"	7.7	12.0'			55000 ly
Glob	M 55	NGC 6809	Sgr	19h40m00.0s	-30°57'42"	6.3	19.0'			20000 ly
Glob	NGC 6558		Sgr	18h10m18.0s	-31°45'48"	8.6				
Glob	NGC 6569		Sgr	18h13m38.0s	-31°49'36"	8.4	6.4'			96000 ly
Glob	M 70	NGC 6681	Sgr	18h43m13.0s	-32°17'30"	7.8	8.0'			65000 ly
Glob	M 69	NGC 6637	Sgr	18h31m23.0s	-32°20'54"	7.7	9.8'			23000 ly
Glob	NGC 6652		Sgr	18h35m46.0s	-32°59'24"	8.5	6.0'			52000 ly
PNe	IC 4776	He 2-421	Sgr	18h45m50.7s	-33°20'34"	12.5	8.0"	16.8		11000 ly
PNe	NGC 6563	He 2-361	Sgr	18h12m02.8s	-33°52'07"	13.0	54"	21.4		4800 ly

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Glob	NGC 6723		Sgr	18h59m33.0s	-36°37'54"	6.8	13.0'			33000 ly
Glob	M 80	NGC 6093	Sco	16h17m02.0s	-22°58'30"	7.3	10.0'			36000 ly
Glob	NGC 6144		Sco	16h27m14.0s	-26°01'18"	9.0	7.4'			33000 ly
Glob	M 4	NGC 6121	Sco	16h23m36.0s	-26°31'30"	5.4	36.0'			9800 ly
Open	Tom Thumb Cluster	NGC 6451	Sco	17h50m41.0s	-30°12'36"	8.2	7.0'			6800 ly
Open	Butterfly Cluster	M 6	Sco	17h40m20.0s	-32°15'12"	4.6	20.0'			1600 ly
Open	NGC 6383	Collinder 335	Sco	17h34m48.0s	-32°34'00"	5.4	20.0'			3200 ly
Open	NGC 6404	Collinder 340	Sco	17h39m37.0s	-33°14'48"	10.6	5.0'			
Glob	NGC 6453		Sco	17h50m52.0s	-34°35'54"	10.2	7.6'			160000 ly
Open	M 7	NGC 6475	Sco	17h53m51.0s	-34°47'36"	3.3	80.0'			980 ly
Open	NGC 6444	Ruprecht 132	Sco	17h49m35.0s	-34°49'12"		3.0'			3300 ly
Open	NGC 6334		Sco	17h20m49.0s	-36°06'12"		20.0'			7500 ly
Open	NGC 6400	Collinder 342	Sco	17h40m12.0s	-36°56'54"	8.8	12.0'			3300 ly
Glob	NGC 6441		Sco	17h50m13.0s	-37°03'06"	7.2	9.6'			29000 ly
PNe	Bug Nebula	NGC 6302	Sco	17h13m44.2s	-37°06'16"	12.8	1.2'	21.8		1800 ly
Open	NGC 6281	Collinder 324	Sco	17h04m41.0s	-37°59'06"	8.4	8.0'			1600 ly
Open	NGC 6242	Collinder 317	Sco	16h55m33.0s	-39°27'42"	8.2	9.0'			3700 ly
Open	NGC 6124	Collinder 301	Sco	16h25m20.0s	-40°39'12"	6.3	39.0'			1700 ly
Open	NGC 6231	Collinder 315	Sco	16h54m10.0s	-41°49'30"	3.4	14.0'			4100 ly
Open	NGC 6192	Collinder 309	Sco	16h40m23.0s	-43°22'00"	8.5	9.0'			5000 ly
Open	NGC 6259	Collinder 322	Sco	17h00m45.0s	-44°39'18"	8.6	14.0'			3400 ly
Glob	NGC 6388		Sco	17h36m17.0s	-44°44'06"	6.8	10.4'			42000 ly
Open	NGC 6222		Sco	16h50m42.0s	-44°45'00"		20.0'			
Gal	Sculptor Galaxy	NGC 253	Scl	00h47m33.1s	-25°17'20"	7.9	28.2'x 5.5'	21.5	0.85	13.0 Mly
Glob	NGC 288		Scl	00h52m45.0s	-26°35'00"	8.1	13.0'			39000 ly

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	NGC 613	MCG -5-4-44	Scl	01h34m18.6s	-29°25'03"	10.7	5.5'x 4.4'	22.3	0.68	12.0 Mly
Gal	NGC 7793	MCG -6-1-9	Scl	23h57m49.7s	-32°35'28"	9.7	10.0'x 5.9'	22.3		
Gal	NGC 134	MCG -6-2-12	Scl	00h30m21.8s	-33°14'39"	11.2	8.3'x 1.9'	22.3	0.84	
Gal	NGC 300	MCG -6-3-5	Scl	00h54m53.5s	-37°41'05"	8.8	20.0'x 12.3'	22.9	0.59	7.1 Mly
Gal	NGC 55	MCG -7-1-13	Scl	00h15m08.4s	-39°13'13"	8.5	30.2'x 3.4'	21.7	0.55	4.9 Mly
Open	NGC 6704	Collinder 390	Sct	18h50m45.0s	-05°12'18"	9.3	5.0'			9700 ly
Open	Wild Duck Cluster	M 11	Sct	18h51m05.0s	-06°16'12"	6.1	32.0'			6100 ly
Open	NGC 6664	Collinder 385	Sct	18h36m37.0s	-07°48'48"	8.5	12.0'			3800 ly
Glob	NGC 6712		Sct	18h53m04.0s	-08°42'18"	8.1	9.8'			23000 ly
Open	M 26	NGC 6694	Sct	18h45m18.0s	-09°23'00"	9.0	7.0'			5200 ly
Open	NGC 6649	Collinder 384	Sct	18h33m27.0s	-10°24'12"	10.0	5.0'			4500 ly
Glob	M 5	NGC 5904	Ser	15h18m34.0s	+02°05'00"	5.7	23.0'			29000 ly
Gal	NGC 6118	MCG 0-42-2	Ser	16h21m48.5s	-02°17'02"	12.4	4.5'x 1.8'	22.8	0.76	1600 ly
Open	IC 4756	Collinder 386	Ser	18h39m00.0s	+05°27'00"	5.4	39.0'			
Glob	NGC 6535		Ser	18h03m51.0s	-00°17'48"	9.3	3.4'			46000 ly
Glob	NGC 6539		Ser	18h04m50.0s	-07°35'12"	8.9	7.9'			130000 ly
Open	Collinder 372	Harvard 19	Ser	18h17m30.0s	-13°21'00"	12.2	5.0'			5600 ly
Open	Star Queen	M 16	Ser	18h18m48.0s	-13°48'24"	6.5	6.0'			5700 ly
Neb	Eagle Nebula	M 16	Ser	18h18m48.4s	-13°49'10"	6.0	9.0'x 4.0'			
Gal	NGC 3169	MCG 1-26-26	Sex	10h14m14.8s	+03°27'59"	11.3	4.2'x 2.5'	22.0	0.85	2300 ly
Gal	NGC 3166	MCG 1-26-24	Sex	10h13m45.7s	+03°25'29"	11.5	3.7'x 2.1'	21.9	0.93	
Gal	NGC 2974	MCG 0-25-8	Sex	09h42m33.2s	-03°41'59"	11.8	3.5'x 2.4'	22.2	1.00	
Gal	Spindle Galaxy	NGC 3115	Sex	10h05m14.0s	-07°43'07"	10.0	7.6'x 3.5'	21.7	0.97	
PNe	Crystal Ball Nebula	NGC 1514	Tau	04h09m17.0s	+30°46'33"	10.8	2.0'	20.9		

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Open	Pleiades	M 45	Tau	03h47m00.0s	+24°07'00"	1.5	120.0'			490 ly
Neb	Merope Nebula	NGC 1435	Tau	03h46m18.0s	+23°56'00"		24.0'x 10.0'			
Open	NGC 1746	Collinder 57	Tau	05h03m50.0s	+23°46'12"	6.1	42.0'			1400 ly
Neb	Crab Nebula	M 1	Tau	05h34m30.0s	+22°01'00"	8.4	8.0'			
Neb	Hind's Variable Neb	NGC 1555	Tau	04h21m57.0s	+19°32'00"		7.0'			
Open	NGC 1647	Collinder 54	Tau	04h45m55.0s	+19°06'54"	6.2	40.0'			1800 ly
Open	NGC 1817	Collinder 60	Tau	05h12m15.0s	+16°41'24"	7.8	16.0'			6400 ly
Gal	NGC 949	MCG 6-6-48	Tri	02h30m48.9s	+37°08'12"	12.5	3.0'x 1.6'	22.3	0.61	
Gal	NGC 925	MCG 5-6-45	Tri	02h27m16.9s	+33°34'44"	10.6	10.5'x 5.8'	23.2	0.57	
Gal	Pinwheel Galaxy	M 33	Tri	01h33m50.9s	+30°39'36"	6.4	61.7'x 36.3'	22.9	0.55	2.9 Mly
Gal	NGC 784	MCG 5-5-45	Tri	02h01m16.9s	+28°50'14"	12.2	5.0'x 1.3'	22.3	0.49	16.0 Mly
Gal	NGC 672	MCG 4-5-11	Tri	01h47m54.4s	+27°25'59"	11.4	6.2'x 2.3'	22.4	0.58	
Gal	NGC 2985	MCG 12-10-6	UMa	09h50m22.3s	+72°16'46"	11.2	3.8'x 3.1'	22.0	0.74	
Gal	Cigar Galaxy	M 82	UMa	09h55m52.4s	+69°40'47"	9.0	9.3'x 4.4'	21.2	0.89	12.0 Mly
Gal	NGC 2787	MCG 12-9-39	UMa	09h19m19.2s	+69°12'12"	11.6	3.2'x 1.8'	21.6	1.06	
Gal	Bode's Galaxy	M 81	UMa	09h55m33.1s	+69°03'56"	7.8	21.9'x 10.5'	21.8	0.95	12.0 Mly
Gal	NGC 3077	MCG 12-10-17	UMa	10h03m20.0s	+68°44'01"	10.6	5.1'x 4.2'	22.1	0.76	12.0 Mly
Gal	NGC 2976	MCG 11-12-25	UMa	09h47m15.5s	+67°55'03"	10.8	6.0'x 3.1'	22.1	0.66	15.0 Mly
Gal	NGC 3359	MCG 11-13-37	UMa	10h46m36.8s	+63°13'27"	11.1	5.6'x 3.5'	22.5	0.46	
Gal	NGC 4041	MCG 10-17-129	UMa	12h02m12.2s	+62°08'14"	11.6	2.6'x 2.5'	21.7	0.58	
Gal	NGC 4036	MCG 10-17-125	UMa	12h01m26.9s	+61°53'44"	11.6	4.2'x 1.9'	22.0	0.91	
Gal	NGC 4605	MCG 10-18-74	UMa	12h39m59.4s	+61°36'33"	10.8	5.9'x 2.3'	21.8	0.56	17.0 Mly
Gal	NGC 3945	MCG 10-17-96	UMa	11h53m13.7s	+60°40'32"	11.7	5.9'x 3.5'	23.1	0.95	
Gal	NGC 2742	MCG 10-13-57	UMa	09h07m33.5s	+60°28'46"	12.1	2.9'x 1.5'	21.8	0.59	
Gal	NGC 5322	MCG 10-20-35	UMa	13h49m15.2s	+60°11'25"	11.0	5.6'x 3.5'	22.4	0.91	

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	NGC 2768	MCG 10-13-65	UMa	09h11m37.5s	+60°02'14"	10.8	6.2'x 2.6'	22.0	0.97	510 ly
Gal	NGC 2950	MCG 10-14-32	UMa	09h42m35.1s	+58°51'05"	11.9	2.9'x 1.8'	21.8	0.90	
Gal	NGC 3610	MCG 10-16-107	UMa	11h18m25.3s	+58°47'11"	11.6	2.7'x 2.6'	21.8	0.86	
Doub	M 40	HD 238107	UMa	12h22m12.4s	+58°04'58"	9.6			0.85	
Gal	NGC 3613	MCG 10-16-109	UMa	11h18m36.1s	+58°00'00"	11.7	3.5'x 1.8'	21.8	0.93	
Gal	NGC 3619	MCG 10-16-115	UMa	11h19m21.1s	+57°45'32"	12.5	3.5'x 2.8'	23.1		
Gal	NGC 5631	MCG 10-21-2	UMa	14h26m33.3s	+56°34'58"	12.5	2.0'	22.1	0.92	
Gal	NGC 3898	MCG 9-19-204	UMa	11h49m15.2s	+56°05'01"	11.3	3.4'x 2.0'	21.5	0.90	
Gal	NGC 3079	MCG 9-17-10	UMa	10h01m58.5s	+55°40'50"	11.4	7.8'x 1.3'	22.0	0.68	
Gal	M 108	NGC 3556	UMa	11h11m31.0s	+55°40'26"	10.7	5.4'x 1.9'	21.3	0.66	53.0 Mly
Gal	NGC 3998	MCG 9-20-46	UMa	11h57m56.2s	+55°27'13"	11.4	2.8'x 2.2'	21.5	0.95	2000 ly
Gal	NGC 3982	MCG 9-20-36	UMa	11h56m28.3s	+55°07'29"	11.8	2.0'x 1.8'	21.3		
PNe	Owl Nebula	M 97	UMa	11h14m47.7s	+55°01'09"	9.7	3.4'	22.3		
Gal	NGC 5473	MCG 9-23-31	UMa	14h04m43.4s	+54°53'37"	12.4	2.0'x 1.5'	21.8	0.90	
Gal	M 101	NGC 5457	UMa	14h03m12.4s	+54°20'53"	8.4	21.9'x 21.4'	23.2	0.45	28.0 Mly
Gal	NGC 5474	MCG 9-23-32	UMa	14h05m01.6s	+53°39'44"	11.5	2.8'x 2.0'	21.5	0.49	64.0 Mly
Gal	NGC 3310	Arp 217	UMa	10h38m45.9s	+53°30'12"	11.2	2.2'x 2.1'	21.0	0.35	
Gal	M 109	NGC 3992	UMa	11h57m35.9s	+53°22'28"	10.5	7.4'x 4.9'	22.5	0.77	
Gal	NGC 3631	Arp 27	UMa	11h21m02.4s	+53°10'08"	10.7	4.1'x 3.5'	21.7	0.58	
Gal	NGC 3729	MCG 9-19-117	UMa	11h33m49.5s	+53°07'29"	11.7	2.9'x 2.0'	21.8	0.60	
Gal	NGC 3718	Arp 214	UMa	11h32m34.6s	+53°04'04"	11.5	5.4'x 2.6'	22.5	0.81	
Gal	NGC 4102	MCG 9-20-94	UMa	12h06m23.7s	+52°42'38"	12.1	3.0'x 1.7'	22.0		
Gal	NGC 3953	MCG 9-20-26	UMa	11h53m49.1s	+52°19'36"	10.5	6.6'x 3.4'	22.0	0.77	
Gal	NGC 3917	MCG 9-20-8	UMa	11h50m45.5s	+51°49'27"	12.5	4.7'x 1.0'	22.4	0.72	

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	NGC 2681	MCG 9-15-41	UMa	08h53m32.6s	+51°18'47"	11.2	3.6'	22.1	0.80	
Gal	NGC 2841	MCG 9-16-5	UMa	09h22m02.5s	+50°58'35"	10.0	7.8'x 3.7'	21.8	0.87	
Gal	NGC 4026	MCG 9-20-52	UMa	11h59m25.2s	+50°57'42"	11.7	4.7'x 0.9'	21.4	0.92	
Gal	NGC 4088	Arp 18	UMa	12h05m33.7s	+50°32'22"	11.3	5.8'x 2.2'	22.2	0.59	
Gal	NGC 4157	MCG 9-20-106	UMa	12h11m04.9s	+50°29'07"	12.1	6.6'x 1.2'	22.5	0.80	
Gal	NGC 4085	MCG 9-20-86	UMa	12h05m22.7s	+50°21'10"	12.3	2.4'x 0.6'	20.9	0.58	
Gal	NGC 3893	MCG 8-22-7	UMa	11h48m38.4s	+48°42'34"	10.8	3.1'x 1.6'	20.7		
Gal	NGC 3949	MCG 8-22-29	UMa	11h53m41.9s	+47°51'28"	11.4	2.3'x 1.4'	20.8	0.45	
Gal	NGC 3877	MCG 8-22-2	UMa	11h46m07.8s	+47°29'41"	11.8	5.0'x 1.1'	21.8	0.80	
Gal	NGC 4096	MCG 8-22-67	UMa	12h06m00.9s	+47°28'39"	11.1	5.8'x 1.5'	21.6	0.63	
Gal	NGC 3726	MCG 8-21-51	UMa	11h33m21.2s	+47°01'45"	10.7	5.2'x 3.5'	22.0	0.49	
Gal	NGC 3198	MCG 8-19-20	UMa	10h19m55.0s	+45°32'59"	10.9	7.6'x 2.3'	22.2	0.54	
Gal	NGC 4051	MCG 8-22-59	UMa	12h03m09.7s	+44°31'53"	10.8	5.1'x 4.2'	22.3	0.65	
Gal	NGC 3938	MCG 7-25-1	UMa	11h52m49.2s	+44°07'17"	10.9	4.4'x 4.3'	22.2	0.52	
Gal	NGC 4013	MCG 7-25-9	UMa	11h58m31.4s	+43°56'50"	12.3	4.8'x 1.2'	22.3	0.96	
Gal	NGC 3675	MCG 7-24-4	UMa	11h26m08.2s	+43°35'11"	11.0	5.9'x 3.2'	22.3		
Gal	NGC 3184	MCG 7-21-37	UMa	10h18m17.0s	+41°25'28"	10.4	7.2'x 7.1'	22.8	0.58	
Gal	NGC 3665	MCG 7-24-3	UMa	11h24m43.7s	+38°45'46"	11.8	3.8'x 2.9'	22.5	0.95	
Gal	NGC 3941	MCG 6-26-51	UMa	11h52m55.3s	+36°59'11"	11.3	3.5'x 2.3'	21.7	0.91	
Gal	NGC 3813	MCG 6-26-19	UMa	11h41m18.6s	+36°32'48"	12.3	2.0'x 1.0'	21.2	0.58	
Gal	NGC 6217	Arp 185	UMi	16h32m39.4s	+78°11'54"	11.9	2.6'x 2.1'	21.9	0.63	
PNe	Eight Burst	NGC 3132	Vel	10h07m01.8s	-40°26'11"	8.2	1.4'	17.6		3600 ly
Glob	NGC 3201		Vel	10h17m37.0s	-46°24'42"	6.9	20.0'			13000 ly
Open	NGC 2547	Collinder 177	Vel	08h10m09.0s	-49°12'54"	5.0	25.0'			1500 ly
Gal	NGC 4866	MCG 2-33-45	Vir	12h59m27.0s	+14°10'14"	12.0	6.0'x 1.0'	22.1	0.92	

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	M 90	NGC 4569	Vir	12h36m50.0s	+13°09'45"	10.1	9.5'x 4.5'	22.3	0.72	70.0 Mly
Gal	NGC 4216	MCG 2-31-72	Vir	12h15m54.3s	+13°09'00"	11.0	7.9'x 1.9'	22.1	0.98	
Gal	NGC 4654		Vir	12h43m56.6s	+13°07'35"	11.5	4.0'x 2.5'			
Gal	NGC 4435	Arp 120	Vir	12h27m40.5s	+13°04'45"	11.5	3.0'x 2.0'	21.6	0.94	
Gal	NGC 4438	Arp 120	Vir	12h27m45.9s	+13°00'32"	10.9	8.9'x 5.1'	23.2	0.85	70.0 Mly
Gal	M 86	NGC 4406	Vir	12h26m12.2s	+12°56'44"	9.8	10.0'x 7.4'	22.6	0.93	
Gal	M 84	NGC 4374	Vir	12h25m03.9s	+12°53'12"	10.1	6.3'x 5.5'	22.1	0.98	
Gal	NGC 4388	MCG 2-32-41	Vir	12h25m46.8s	+12°39'44"	11.9	5.5'x 1.4'	22.2	0.74	
Gal	M 89	NGC 4552	Vir	12h35m39.9s	+12°33'22"	10.7	6.9'x 6.6'	23.0	0.98	70.0 Mly
Gal	M 87	NGC 4486	Vir	12h30m49.2s	+12°23'29"	9.6	7.9'x 7.4'	22.2	0.96	70.0 Mly
Gal	NGC 4478	MCG 2-32-99	Vir	12h30m17.5s	+12°19'40"	12.2	1.7'x 1.4'	21.3	0.91	
Gal	NGC 4550	MCG 2-32-147	Vir	12h35m30.6s	+12°13'15"	12.5	3.2'x 0.7'	21.6	0.88	
Gal	M 58	NGC 4579	Vir	12h37m43.9s	+11°49'06"	10.5	5.6'x 4.4'	22.1	0.82	
Gal	NGC 4371	MCG 2-32-33	Vir	12h24m55.4s	+11°42'15"	11.8	3.9'x 1.9'	22.1	0.98	70.0 Mly
Gal	M 59	NGC 4621	Vir	12h42m02.3s	+11°38'52"	10.7	4.8'x 3.3'	21.8	0.94	
Gal	M 60	NGC 4649	Vir	12h43m40.1s	+11°33'10"	9.8	7.4'x 6.3'	22.1	0.97	
Gal	NGC 4754	MCG 2-33-30	Vir	12h52m17.5s	+11°18'50"	11.5	4.4'x 2.3'	22.2	0.92	
Gal	NGC 4567	MCG 2-32-151	Vir	12h36m32.7s	+11°15'28"	12.1	2.9'x 2.2'	22.3	0.75	70.0 Mly
Gal	Siamese Twins	NGC 4568	Vir	12h36m34.3s	+11°14'19"	11.7	4.4'x 2.3'	22.4	0.87	
Gal	NGC 4762	MCG 2-33-33	Vir	12h52m55.9s	+11°13'50"	11.1	8.5'x 3.2'	22.8	0.86	
Gal	NGC 4660	MCG 2-33-6	Vir	12h44m32.0s	+11°11'26"	12.1	2.1'x 1.6'	21.5	0.92	
Gal	NGC 4429	MCG 2-32-61	Vir	12h27m26.6s	+11°06'27"	11.0	5.6'x 2.5'	22.0	0.98	70.0 Mly
Gal	NGC 4596	MCG 2-32-170	Vir	12h39m56.1s	+10°10'32"	11.4	4.0'x 3.3'	22.3	0.94	
Gal	NGC 4442	MCG 2-32-68	Vir	12h28m03.9s	+09°48'13"	11.4	4.8'x 2.1'	22.0	0.94	

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	NGC 4698	MCG 2-33-24	Vir	12h48m23.0s	+08°29'14"	11.6	3.8'x 2.0'	21.9	0.91	70.0 Mly
Gal	Lost Galaxy	NGC 4535	Vir	12h34m20.3s	+08°11'52"	10.5	7.2'x 6.3'	22.8	0.63	
Gal	M 49	NGC 4472	Vir	12h29m46.8s	+08°00'01"	9.3	9.3'x 7.6'	22.1	0.96	
Gal	NGC 4526	MCG 1-32-100	Vir	12h34m03.0s	+07°41'57"	10.6	7.9'x 2.9'	22.1	0.96	
Gal	NGC 4365	MCG 1-32-48	Vir	12h24m28.3s	+07°19'03"	10.5	6.2'x 4.6'	22.3	0.96	
Gal	NGC 4570	MCG 1-32-114	Vir	12h36m53.5s	+07°14'46"	11.7	3.8'x 0.9'	21.2	0.94	70.0 Mly
Gal	NGC 4261	MCG 1-31-52	Vir	12h19m23.3s	+05°49'33"	11.4	4.2'x 3.4'	22.4	0.99	
Gal	NGC 4281	MCG 1-32-12	Vir	12h20m21.6s	+05°23'12"	12.3	3.1'x 1.7'	22.2	0.96	
Gal	NGC 4273	MCG 1-32-8	Vir	12h19m55.9s	+05°20'39"	12.3	2.0'x 1.5'	21.6	0.53	
Gal	NGC 5363	MCG 1-36-2	Vir	13h56m07.2s	+05°15'17"	11.1	4.4'x 2.9'	22.0	0.97	
Gal	NGC 5364	MCG 1-36-3	Vir	13h56m11.9s	+05°00'54"	11.1	4.9'x 2.6'	22.0	0.64	70.0 Mly
Gal	M 61	NGC 4303	Vir	12h21m55.0s	+04°28'29"	10.2	6.3'x 5.8'	22.2	0.53	
Gal	NGC 5566	Arp 286	Vir	14h20m20.0s	+03°56'01"	11.4	5.8'x 2.0'	22.2	0.91	
Gal	NGC 5576	MCG 1-37-7	Vir	14h21m03.7s	+03°16'16"	11.8	2.8'x 1.9'	21.7	0.89	
Gal	NGC 4624	MCG 1-33-5	Vir	12h45m05.9s	+03°03'20"	11.5	4.3'	22.8		
Gal	NGC 4636	MCG 1-32-137	Vir	12h42m49.9s	+02°41'16"	10.4	7.2'x 5.6'	22.6	0.94	1.9 Gly
Gal	NGC 4527	MCG 1-32-101	Vir	12h34m08.6s	+02°39'09"	11.5	6.0'x 1.9'	22.3	0.86	
Gal	NGC 4900	MCG 1-33-35	Vir	13h00m39.2s	+02°30'03"	11.9	2.1'x 2.0'	21.7	0.53	
Gal	NGC 4536	MCG 0-32-23	Vir	12h34m26.8s	+02°11'20"	11.1	7.2'x 3.0'	22.6	0.61	
QSO	3C 273.0	Q1226+0023	Vir	12h29m06.7s	+02°03'08"	12.8			0.20	
Gal	NGC 5746	MCG 0-38-5	Vir	14h44m56.0s	+01°57'17"	11.4	6.8'x 1.1'	21.7	0.97	1.9 Gly
Gal	NGC 4643	MCG 0-33-5	Vir	12h43m20.2s	+01°58'39"	11.6	3.2'x 2.6'	22.0	0.96	
Gal	NGC 5813	MCG 0-38-16	Vir	15h01m11.0s	+01°42'05"	11.5	4.1'x 2.8'	22.3	0.99	
Gal	NGC 5846	MCG 0-38-25	Vir	15h06m29.3s	+01°36'20"	11.1	3.7'x 3.5'	22.0	1.01	
Gal	NGC 4845	MCG 0-33-25	Vir	12h58m01.2s	+01°34'33"	12.1	5.4'x 1.2'	22.3	0.93	

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Gal	NGC 5850	MCG 0-39-2	Vir	15h07m07.6s	+01°32'40"	11.9	3.7'x 2.8'	22.6	0.79	
Gal	NGC 4179	MCG 0-31-38	Vir	12h12m52.1s	+01°17'59"	11.8	4.3'x 1.1'	21.7	0.92	
Gal	NGC 4437	MCG 0-32-20	Vir	12h32m45.6s	+00°06'54"	11.1	9.8'x 1.5'	22.2	0.71	
Gal	Superwind Galaxy	NGC 4666	Vir	12h45m08.6s	-00°27'43"	11.5	4.6'x 1.5'	21.8	0.75	
Gal	NGC 4030	MCG 0-31-16	Vir	12h00m23.4s	-01°06'03"	11.2	3.6'x 2.8'	21.8		
Gal	NGC 4753	MCG 0-33-16	Vir	12h52m22.1s	-01°11'59"	10.9	5.9'x 2.8'	22.1	0.90	
Gal	NGC 4546	MCG -1-32-27	Vir	12h35m29.5s	-03°47'35"	11.3	3.2'x 1.9'	21.4	0.98	
Gal	NGC 4697	MCG -1-33-10	Vir	12h48m36.0s	-05°48'03"	10.1	5.8'x 3.6'	21.5	0.91	
Glob	NGC 5634		Vir	14h29m37.0s	-05°58'36"	9.5	5.5'			75000 ly
Gal	NGC 5427	Arp 271	Vir	14h03m26.1s	-06°01'51"	12.0	3.0'x 2.2'	22.2	0.57	
Gal	NGC 4995	MCG -1-34-7	Vir	13h09m40.9s	-07°49'56"	11.9	2.5'x 1.6'	21.6	0.87	
Gal	NGC 4958	MCG -1-33-84	Vir	13h05m48.7s	-08°01'12"	11.5	4.5'x 1.1'	21.4	0.92	
Gal	NGC 4699	MCG -1-33-13	Vir	12h49m02.2s	-08°39'52"	10.4	4.0'x 3.0'	21.2	0.89	
Gal	NGC 4781	MCG -2-33-49	Vir	12h54m23.6s	-10°32'11"	11.4	3.4'x 1.4'	21.2		
Gal	Sombrero Galaxy	M 104	Vir	12h39m59.3s	-11°37'22"	9.1	9.1'x 5.6'	21.5	0.98	60.0 Mly
Gal	NGC 4856	MCG -2-33-78	Vir	12h59m21.3s	-15°02'32"	11.4	4.2'x 1.7'	21.7	0.99	
Gal	NGC 5054	MCG -3-34-39	Vir	13h16m58.2s	-16°38'01"	11.6	4.7'x 3.0'	22.6	0.76	
Gal	NGC 5247	MCG -3-35-11	Vir	13h38m03.2s	-17°53'01"	10.8	5.2'x 4.4'	22.3	0.54	
Gal	NGC 5068	MCG -3-34-46	Vir	13h18m55.2s	-21°02'21"	10.7	7.1'x 6.3'	23.0	0.67	
Open	NGC 6940	Collinder 424	Vul	20h34m26.0s	+28°17'00"	7.2	25.0'			2500 ly
Open	NGC 6882		Vul	20h11m47.0s	+26°48'42"		5.0'			
Open	NGC 6885	Collinder 417	Vul	20h12m01.0s	+26°28'42"	5.7	20.0'			1900 ly
Open	NGC 6823	Collinder 405	Vul	19h43m09.0s	+23°18'00"	7.1	6.0'			10000 ly
Neb	NGC 6820	Sh 2-86	Vul	19h43m06.0s	+23°17'00"	15.0	40.0'			

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Size	SBr	(B-V)	Distance
Open	NGC 6830	Collinder 406	Vul	19h50m59.0s	+23°06'00"	8.9	5.0'			5300 ly
PNe	Dumbbell	M 27	Vul	19h59m36.3s	+22°43'16"	7.3	8.0'	20.4		1100 ly
Open	NGC 6802	Collinder 400	Vul	19h30m35.0s	+20°15'42"	11.7	5.0'			3700 ly

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