

RASC FINEST NGC

No. NGC Con Type R.A. Dec m_v Size Remarks Seen Date

Autumn

1	7009	Agr	PN	21:04.2	-11:02	8.3	25"	!! Saturn Nebula; small bright oval		
2	7293	Agr	PN	22:29.6	-20:48	6.5	12'50"	!! Helix Nebula; large, diffuse; use filter		
3	7331	Peg	G-Sb	22:37.1	+34:25	9.5	10.7x4.0	!! large, bright spiral galaxy		
4	7635	Cas	EN	23:20.7	+61:12	-	15x8	Bubble Neb.; very faint; 1/2 deg SW of M52		
5	7789	Cas	OC	23:57.0	+56:44	6.7	16	!! 300*; faint but very rich cluster		
6	185	Cas	G-E0	00:39.0	+48:20	11.7	2x2	companion to M31 ; paired with NGC 147		
7	281	Cas	EN	00:52.8	+56:36	-	35x30	!! large faint nebulosity near eta Cas		
8	457	Cas	OC	01:19.1	+58:20	6.4	13	80*; rich; one of the best Cas clusters		
9	663	Cas	OC	01:46.0	+61:15	7.1	16	80*; look for NGC's 654 and 659 nearby		
10	I 289	Cas	PN	03:10.3	+61:19	12.3	34"	dim oval smudge; use nebula filter		
11	7662	And	PN	23:25.9	+42:33	9.2	20"	!! Blue Snowball; annular at high power		
12	891	And	G-Sb	02:22.6	+42:21	10	13.5x2.8	!! faint, classic edge-on with dust lane		
13	253	ScI	G-Scp	00:47.6	-25:17	7.1	25.1x7.4	!! very large and bright but at low altitude		
14	772	Ari	G-Sb	01:59.3	+19:01	10.3	7.1x4.5	diffuse spiral galaxy		
15	246	Cet	PN	00:47.0	-11:53	8.0	3'45"	faint (closer to 11 m); dark mottling		
16	936	Cet	G-SBa	02:27.6	-01:09	10.1	5.2x4.4	near M77 ; NGC 941 in the same field		
17	869/84	Per	OC	02:20.0	+57:08	~4.4	30/30	!! Double Cluster; 350*; use low mag.		
18	1023	Per	G-E7p	02:40.4	+39:04	9.5	8.7x4.3	bright lens-shaped galaxy near M34		
19	1491	Per	EN	04:03.4	+51:19	-	3.0x3.0	small fairly faint emission nebula		
20	1501	Cam	PN	04:07.0	+60:55	12.0	52"	faint; dark center; look for NGC 1502		
21	1232	Eri	G-Sc	03:09.8	-20:35	9.9	7.8x6.9	face-on spiral; look for NGC 1300 nearby		
22	1535	Eri	PN	04:14.2	-12:44	10.4	18"	bright planetary with blue-grey disk		

Winter

23	1514	Tau	PN	04:09.2	+30:47	10.8	1'54"	faint glow around 9.4 mag central star		
24	1931	Aur	E/RN	05:31.4	+34:15	-	3.0x3.0	haze surrounding 4 close stars		
25	1788	Ori	RN	05:06.9	-03:21	-	8.0x5.0	fairly bright but diffuse reflection nebula		
26	1973+	Ori	E/RN	05:35.1	-04:44	-	40x25	near M42 and M43 ; often neglected		
27	2022	Ori	PN	05:42.1	+09:05	12.4	18"	small, faint & distinct with annular form		
28	2024	Ori	EN	05:40.7	-02:27	-	30x30	bright but masked by glow from Zeta Ori		
29	2194	Ori	OC	06:13.8	+12:48	8.5	10	80*, fairly rich; look for 2169 nearby		
30	2371/2	Gem	PN	07:25.6	+29:29	13.0	55"	faint double-lobed planetary; use filter		
31	2392	Gem	PN	07:29.2	+20:55	8.3	13"	!! Clown Face or Eskimo Nebula		
32	2237+	Mon	EN	06:32.3	+05:03	-	80x60	!! Rosette Neb.; very large; use neb. filter		
33	2261	Mon	E/RN	06:39.2	+08:44	var	2x1	Hubble's Variable Nebula; comet-shaped		
34	2359	CMa	EN	07:18.6	-13:12	-	8.0x6.0	bright; look for NGC 2360 & 2362 nearby		
35	2440	Pup	PN	07:41.9	-18:13	10.3	14"	almost starlike; irregular at high power		

36	2539	Pup OC	08:10.7	-12:50	6.5	22	50*	rich cluster; near M46 and M47
37	2403	Cam G-Sc	07:36.9	+65:36	8.4	17.8x11.0	!!	very large & bright; visible in binocs.
38	2655	Cam G-Sa	08:55.6	+78:13	10.1	5.1x4.4		bright ellipse with starlike nucleus

Spring

39	2683	Lyn G-Sb	08:52.7	+33:25	9.7	9.3x2.5		nearly edge-on spiral; very bright
40	2841	UMa G-Sb	09:22.0	+50:58	9.3	8.1x3.8	!!	classic elongated spiral; very bright
41	3079	UMa G-Sb	10:02.2	+55:41	10.6	7.6x1.7		edge-on spiral; NGC 2950 nearby
42	3184	UMa G-Sc	10:18.3	+41:25	9.7	6.9x6.8		large, diffuse face-on spiral
43	3877	UMa G-Sb	11:46.1	+47:30	10.9	5.4x1.5		edge-on; same field as chi UMa
44	3941	UMa G-E3	11:52.9	+36:59	9.8	3.8x2.5		small bright elliptical
45	4026	UMa G-S0	11:59.4	+50:58	10.7	5.1x1.4		lense-shaped edge-on near gamma UMa
46	4088	UMa G-Sc	12:05.6	+50:33	10.5	5.8x2.5		nearly edge-on; NGC 4085 in same field
47	4157	UMa G-Sb	12:11.1	+50:29	11.9	6.9x1.7		a thin sliver; NGCs 4026 & 4088 nearby
48	4605	UMa G-SBcp	12:40.0	+61:37	9.6	5.5x2.3		bright distinct edge-on spiral
49	3115	Sex G-E6	10:05.2	-07:43	9.2	8.3x3.2		Spindle Galaxy; bright and elongated
50	3242	Hya PN	10:24.8	-18:38	8.6	16"	!!	Ghost of Jupiter; small but bright
51	3003	LMi G-Sc	09:48.6	+33:25	11.7	5.9x1.7		faint elongated streak
52	3344	LMi G-Sc	10:43.5	+24:55	9.9	6.9x6.5		diffuse face-on spiral
53	3432	LMi G-SBm	10:52.5	+36:37	11.3	6.2x1.5		nearly edge-on; faint flat streak
54	2903	Leo G-Sb	09:32.2	+21:30	8.9	12.6x6.6	!!	very large, bright elongated spiral
55	3384	Leo G-E7	10:48.3	+12:38	9.9	5.9x2.6		same field as M105 and NGC 3389
56	3521	Leo G-Sb	11:05.8	-00:02	8.7	9.5x5.0		very large, bright spiral
57	3607	Leo G-E1	11:16.9	+18:03	10.0	3.7x3.2		NGCs 3605 & 3608 in same field
58	3628	Leo G-Sb	11:20.3	+13:36	9.5	14.8x3.6		large edge-on; same field as M65 and M66
59	4111	CVn G-S0	12:07.1	+43:04	10.8	4.8x1.1		bright lens-shaped edge-on spiral
60	4214	CVn G-Irr	12:15.6	+36:20	9.7	7.9x6.3		large irregular galaxy
61	4244	CVn G-S	12:17.5	+37:49	10.2	16.2x2.5	!!	large distinct edge-on spiral
62	4449	CVn G-Irr	12:28.2	+44:06	9.4	5.1x3.7		bright rectangular shape
63	4490	CVn G-Sc	12:30.6	+41:38	9.8	5.9x3.1		bright spiral; 4485 (Cocoon gal.) in field
64	4631	CVn G-Sc	12:42.1	+32:32	9.3	15.1x3.3	!!	large edge-on; look for companion 4627
65	4656/7	CVn G-Sc	12:44.0	+32:10	10.4	13.8x3.3		in field with 4631; NE end curves up
66	5005	CVn G-Sb	13:10.9	+37:03	9.8	5.4x2.7		bright elongated spiral near alpha CVn
67	5033	CVn G-Sb	13:13.4	+36:36	10.1	10.5x5.6		large bright spiral near NGC 5005
68	4274	Com G-Sb	12:19.8	+29:37	10.4	6.9x2.8		NGCs 4278/83/86 in same field
69	4414	Com G-Sc	12:26.4	+31:13	10.2	3.6x2.2		bright spiral with starlike nucleus
70	4494	Com G-E1	12:31.4	+25:47	9.8	4.8x3.8		small bright elliptical
71	4559	Com G-Sc	12:36.0	+27:58	9.8	10.5x4.9		large spiral with coarse structure
72	4565	Com G-Sb	12:36.3	+25:59	9.6	16.2x2.8	!!	superb edge-on spiral with dust lane
73	4725	Com G-Sb	12:50.4	+25:30	9.2	11.0x7.9		very bright, large spiral
74	4038/9	Crv G-Sc	12:01.9	-18:52	10.7	~3x2		'Antennae' or 'Rattail' interacting galaxies
75	4361	Crv PN	12:24.5	-18:48	10.3	45"		small and bright; with 13-mag central star

76	4216	Vir	G-Sb	12:15.9	+13:09	9.9	8.3x2.2	nearly edge-on; with NGCs 4206 & 4222	
77	4388	Vir	G-Sb	12:25.8	+12:40	11.0	5.1x1.4	with M84 and M86 in Markarian's Chain	
78	4438	Vir	G-Sap	12:27.8	+13:01	10.1	9.3x3.9	paired with NGC 4435 to form the "Eyes"	
79	4517	Vir	G-Sc	12:32.8	+00:07	10.5	10.2x1.9	faint edge-on spiral	
80	4526	Vir	G-E7	12:34.0	+07:42	9.6	7.6x2.3	between two 7-mag stars; the "Lost Galaxy"	
81	4535	Vir	G-Sc	12:34.3	+08:12	9.8	6.8x5.0	near M49 and 3/4 deg N of NGC 4526	
82	4567/8	Vir	G-Sc	12:36.5	+11:15	11	4.6x2.1	"Siamese Twins" interacting galaxies	
83	4699	Vir	G-Sa	12:49.0	-08:40	9.6	3.5x2.7	small & bright; look for NGC 4697 3 deg N	
84	4762	Vir	G-SB0	12:52.9	+11:14	10.2	8.7x1.6	flattest galaxy known; 4754 in same field	
85	5746	Vir	G-Sb	14:44.9	+01:57	10.6	7.9x1.7	fine edge-on near 109 Virginis	
86	5466	Boo	GC	14:05.5	+28:32	9.1	11.0	loose class XII; like rich open cl.; faint	
87	5907	Dra	G-Sb	15:15.9	+56:19	10.4	12.3x1.8	!! fine edge-on with dust lane; near 5866	
88	6503	Dra	G-Sb	17:49.4	+70:09	10.2	6.2x2.3	bright elongated spiral	
89	6543	Dra	PN	17:58.6	+66:38	8.8	18"	Cat's Eye Nebula; with 11 mag central star	

Summer

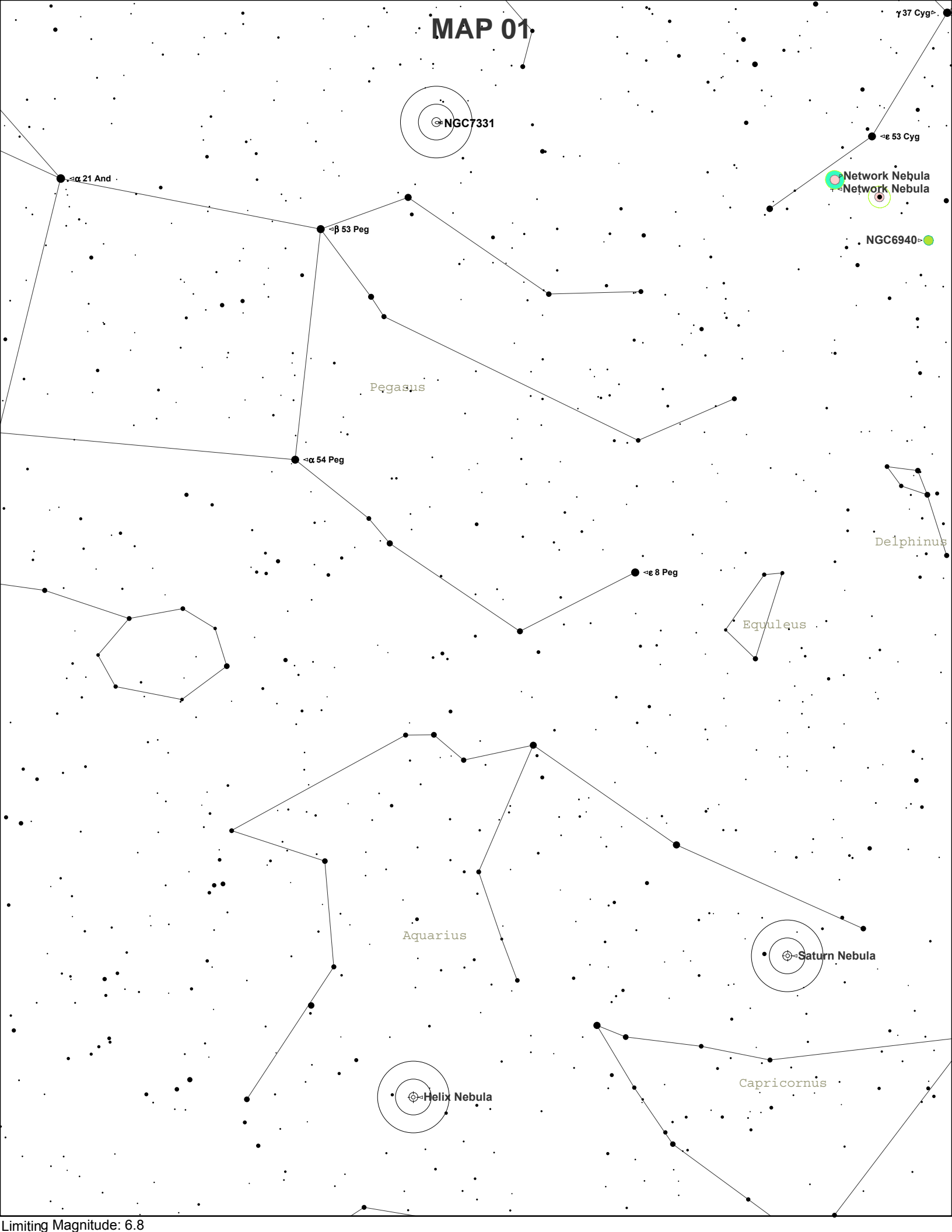
90	6210	Her	PN	16:44.5	+23:49	9.3	14"	very starlike blue planetary	
91	6369	Oph	PN	17:29.3	-23:46	10.4	30"	Little Ghost; look for NGC 6309 nearby	
92	6572	Oph	PN	18:12.1	+06:51	9.0	8"	tiny bright blue oval	
93	6633	Oph	OC	18:27.7	+06:34	4.6	27	sparse wide field cluster; IC 4756 nearby	
94	6712	Sct	GC	18:53.1	-08:42	8.2	7.2	small globular; look for IC 1295 in field	
95	6781	Aql	PN	19:18.4	+06:33	11.8	1'49"	pale version of M97	
96	6819	Cyg	OC	19:41.3	+40:11	7.3	5	150*; faint but rich cluster in Milky Way	
97	6826	Cyg	PN	19:44.8	+50:31	9.8	30"	!! Blinking Planetary; 10.4-mag central star	
98	6888	Cyg	SNR?	20:12.0	+38:21		20x10	Crescent Nebula; faint; use nebula filter	
99a	6960	Cyg	SNR	20:45.7	+30:43		70x6	!! Veil Nebula : west half; use filter !	
99b	6992/5	Cyg	SNR	20:56.4	+31:43		78x8	!! Veil Nebula : east half; use filter !	
100	7000	Cyg	EN	20:58.8	+44:20		120x100	!! North America N; use filter & low mag.	
101	7027	Cyg	PN?	21:07.1	+42:14	10.4	15"	unusual protoplanetary nebula	
102	6445	Sgr	PN	17:49.2	-20:01	11.8	34"	small, bright and annular; near M23	
103	6520	Sgr	OC	18:03.4	-27:54	8.1	6	60*; small; dark neb. B86 in same field	
104	6818	Sgr	PN	19:44.0	-14:09	9.9	17"	Little Gem; annular; NGC 6822 0.75 deg S	
105	6802	Vul	OC	19:30.6	+20:16	8.8	3.2	at east end of Brocchi's cluster Cr 399	
106	6940	Vul	OC	20:34.6	+28:18	6.3	31	60*; fairly rich cluster in Milky Way	
107	6939	Cep	OC	20:31.4	+60:38	7.8	8	80*; very rich;	
108	6946	Cep	G-Sc	20:34.8	+60:09	8.9	11.0x9.8	faint, diffuse face-on spiral near 6939	
109	7129	Cep	RN	21:44.4	+66:10		8x7	faint reflection neb. around several stars	
110	40	Cep	PN	00:13.0	+72:32	10.2	37"	unusual red planetary; 11.6 mag central star	

RASC FINEST NGC

NGC MAP # NGC MAP # NGC MAP #

NGC7009	1	NGC2539	5	NGC3155	8
NGC7293	1	NGC2403	6	NGC3242	8
NGC7331	1, 2	NGC2655	6	NGC3432	8
NGC7129	1	NGC2683	6	NGC2903	8
NGC7635	2	NGC2841	6	NGC3384	8
NGC7789	2	NGC3079	6	NGC3521	8
NGC185	2	NGC3184	6	NGC3628	8
NGC281	2	NGC4605	6	NGC4038/9	8
NGC457	2	NGC3877	7	NGC4361	8
NGC663	2	NGC3941	7	NGC4699	8
IC289	2	NGC4026	7	NGC4565	9
NGC7662	2	NGC4088	7	NGC4725	9
NGC891	2	NGC4157	7	NGC5746	9
NGC869/84	2	NGC3003	7	NGC5466	9
NGC1023	2	NGC3344	7, 8	NGC5907	10
NGC1491	2	NGC3607	7	NGC6503	10
NGC1501	2	NGC4111	7	NGC6543	10
NGC40	2	NGC4214	7	NGC6210	10
NGC253	3	NGC4244	7	NGC6819	10, 12
NGC772	3	NGC4449	7	NGC6826	10
NGC246	3	NGC4490	7	NGC6369	11
NGC936	3	NGC4631	7	NGC6572	11
NGC1232	3	NGC4656/7	7	NGC6633	11
NGC1535	4	NGC5005	7	NGC6712	11
NGC1514	4	NGC5033	7	NGC6781	11
NGC1788	4	NGC4274	7	NGC6445	11
NGC1973+	4	NGC4414	7	NGC6520	11
NGC2022	4	NGC4494	7	NGC6818	11
NGC2024	4	NGC4559	7	NGC6802	11
NGC2194	4, 5	NGC4216	7	NGC6888	12
NGC2237+	4	NGC4388	7	NGC6960	12
NGC2261	4	NGC4438	7	NGC6992/5	12
NGC1931	5	NGC4517	7	NGC7000	12
NGC2371/2	5	NGC4526	7	NGC7027	12
NGC2392	5	NGC4535	7	NGC6940	12
NGC2359	5	NGC4567/8	7	NGC6939	12, 2
NGC2440	5	NGC4762	7	NGC6946	12, 2

MAP 01



γ 37 Cyg

NGC 7331

ϵ 53 Cyg

Network Nebula
Network Nebula

NGC 6940

Pegasus

β 53 Peg

α 54 Peg

Delphinus

ϵ 8 Peg

Equuleus

Aquarius

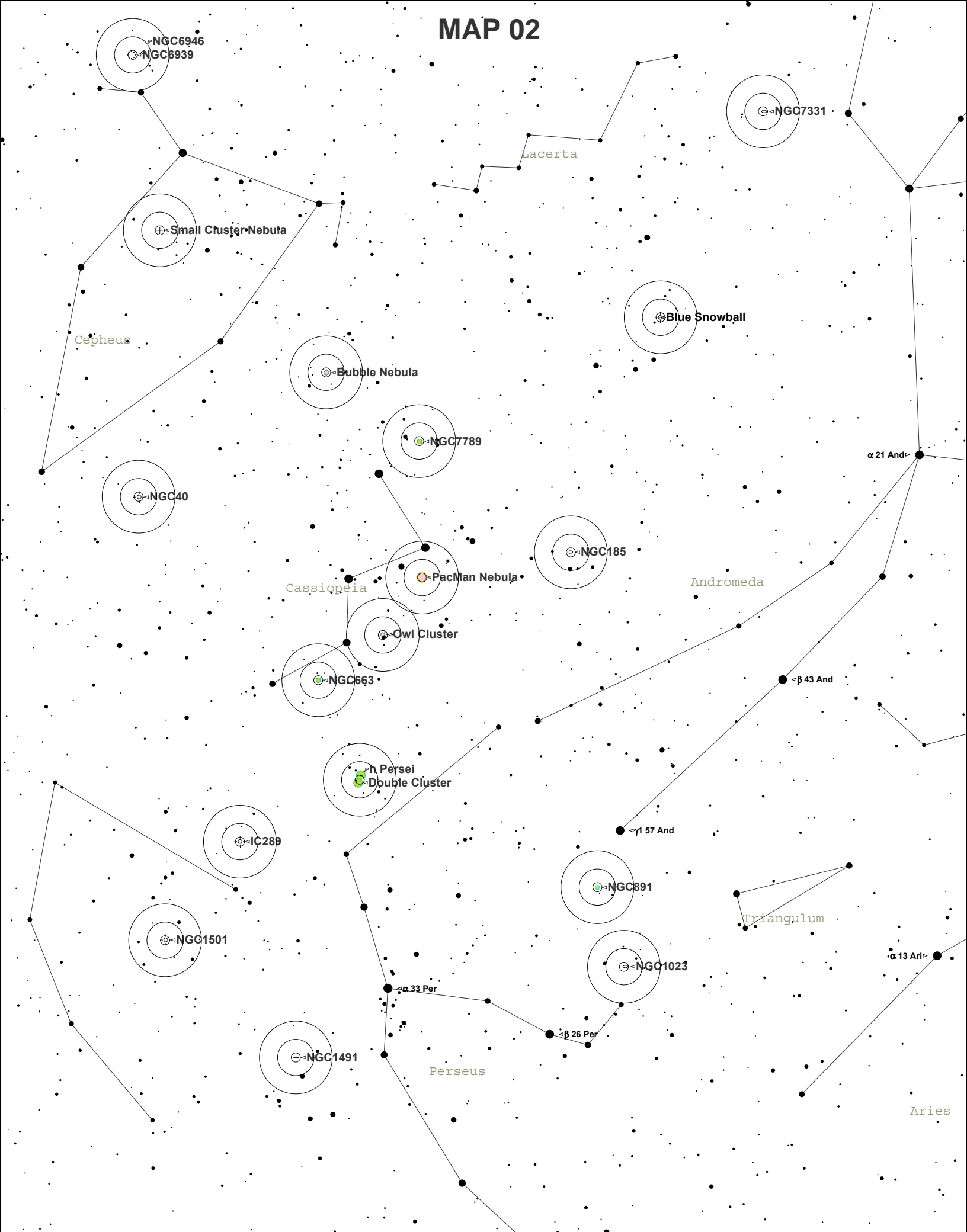
Saturn Nebula

Helix Nebula

Capricornus

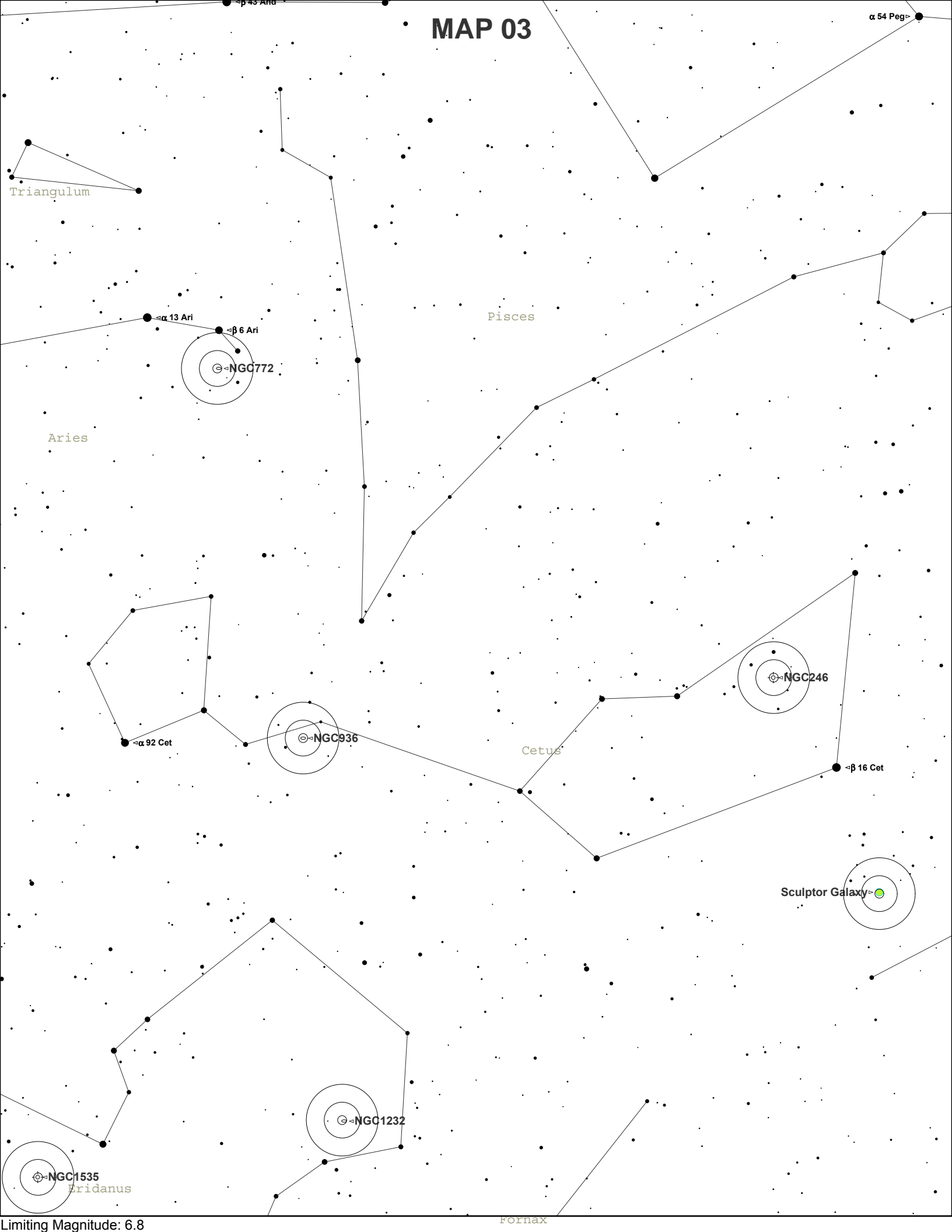
Limiting Magnitude: 6.8

MAP 02



MAP 03

α 54 Peg



Triangulum

Pisces

Aries

Cetus

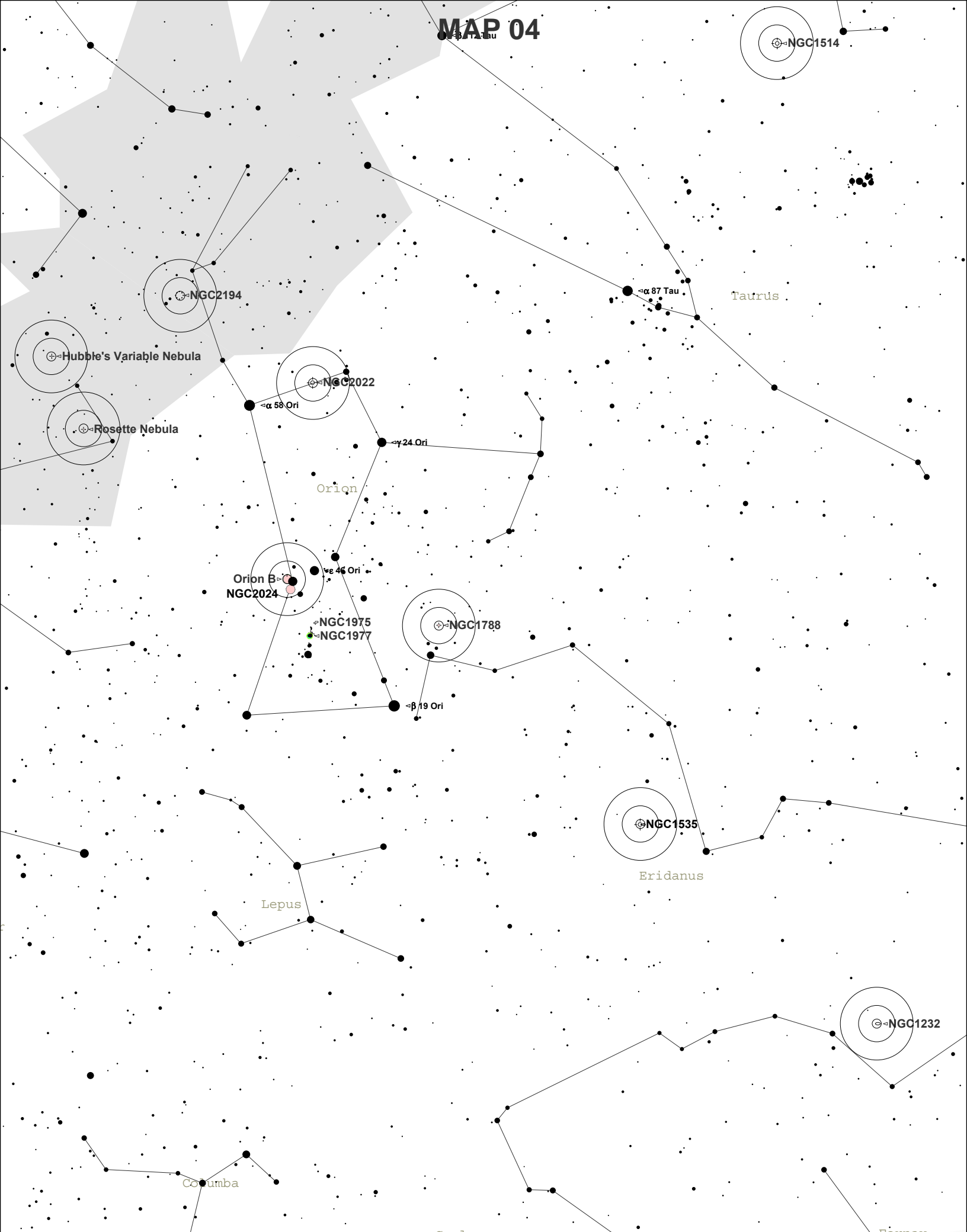
Sculptor Galaxy

Eridanus

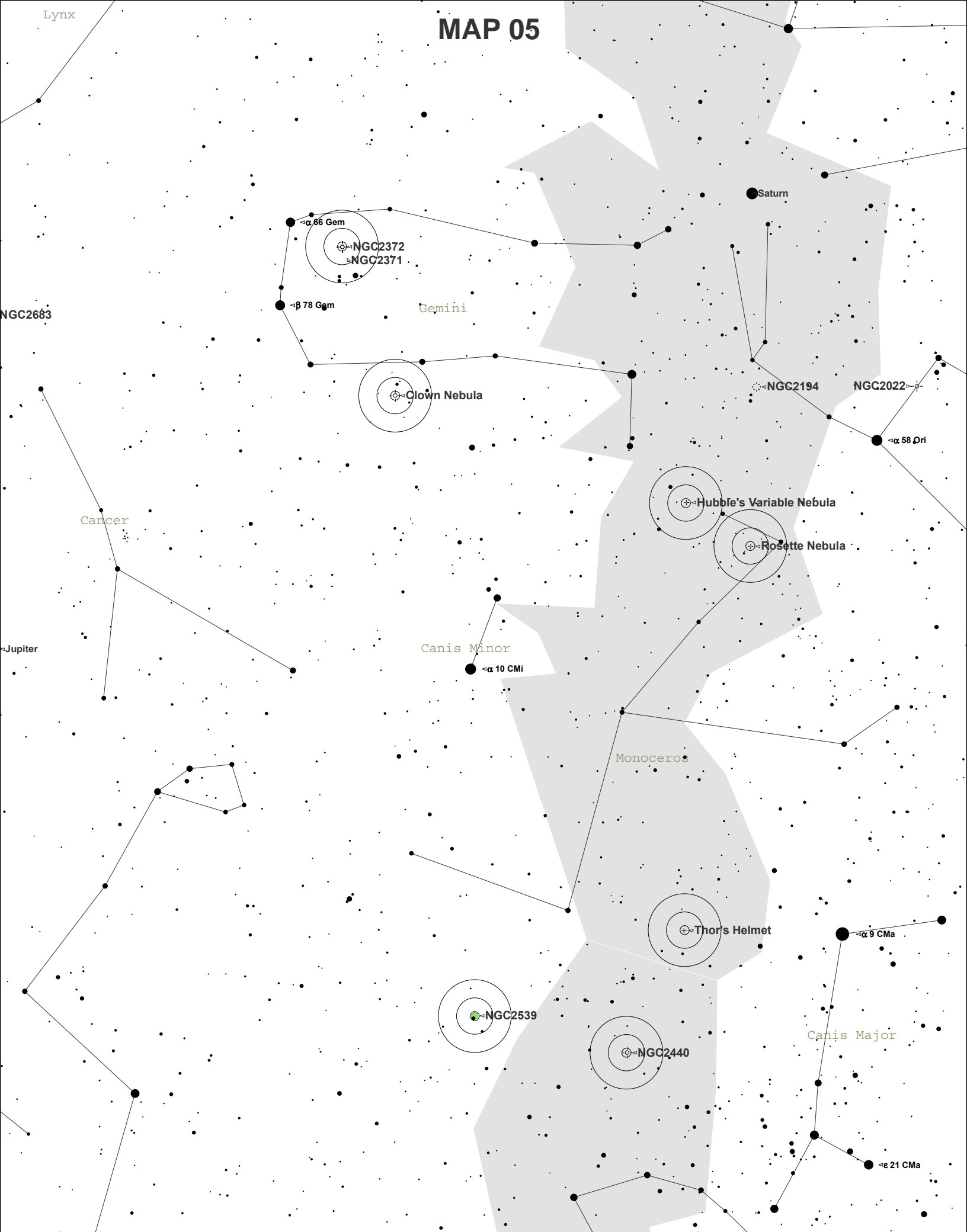
Pornax

Limiting Magnitude: 6.8

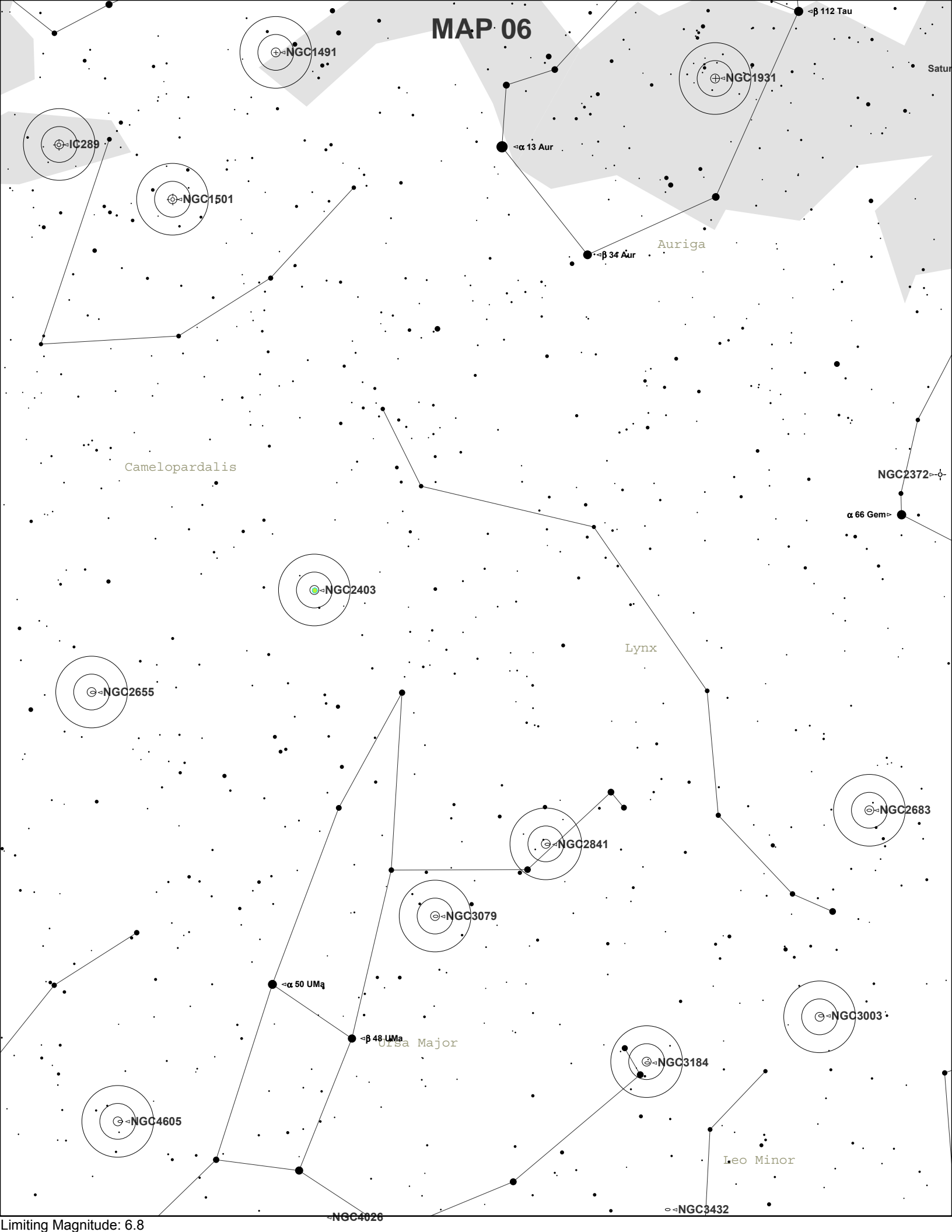
MAP 04



MAP 05



MAP 06



Camelopardalis

Auriga

Lynx

Ursa Major

Leo Minor

Limiting Magnitude: 6.8

NGC 4026

NGC 3432

NGC 2372

α 66 Gem

β 112 Tau

Satur

NGC 2403

NGC 2655

NGC 2841

NGC 3079

NGC 3184

NGC 3003

NGC 2683

NGC 1501

NGC 1931

NGC 1491

α 13 Aur

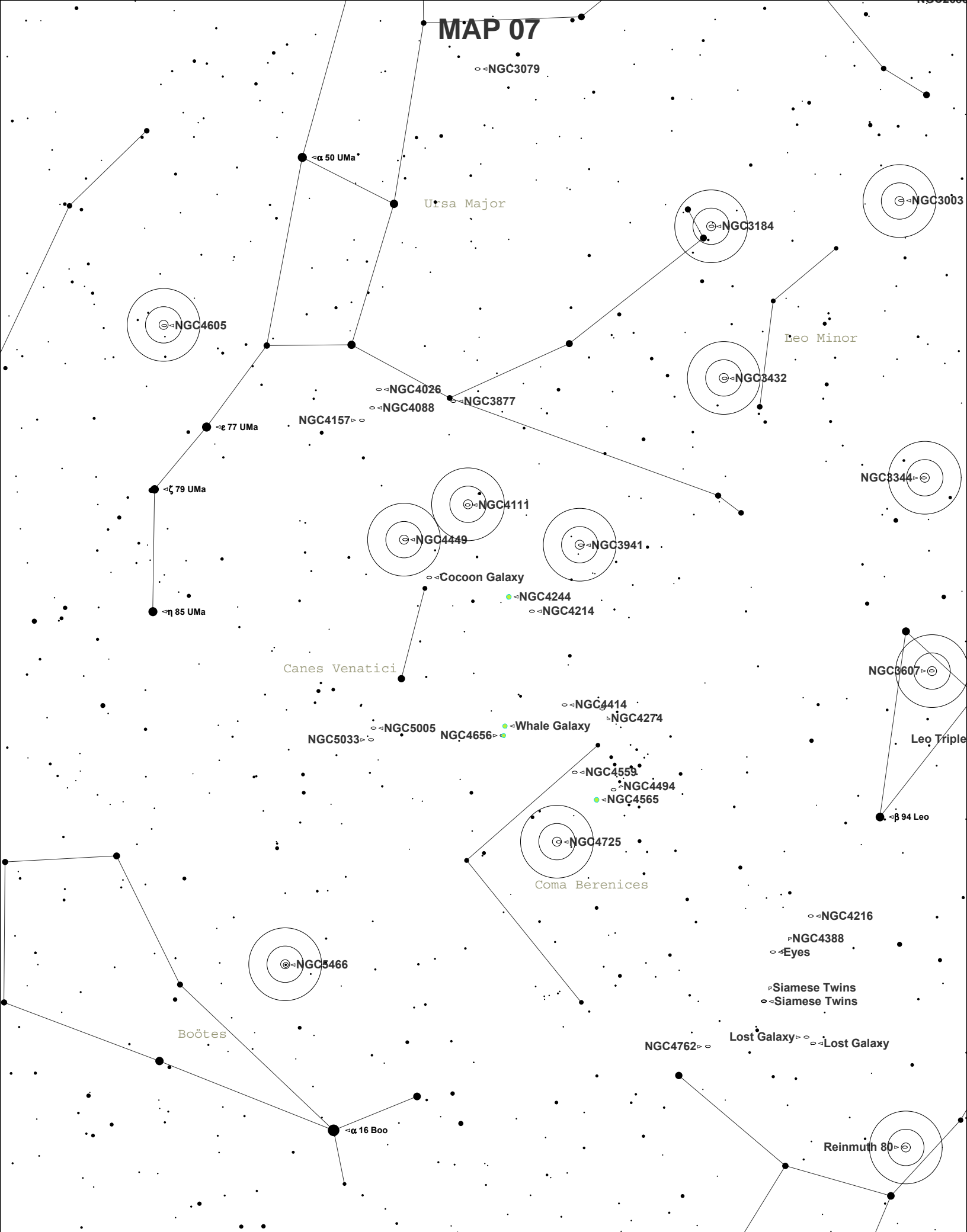
β 34 Aur

α 50 UMa

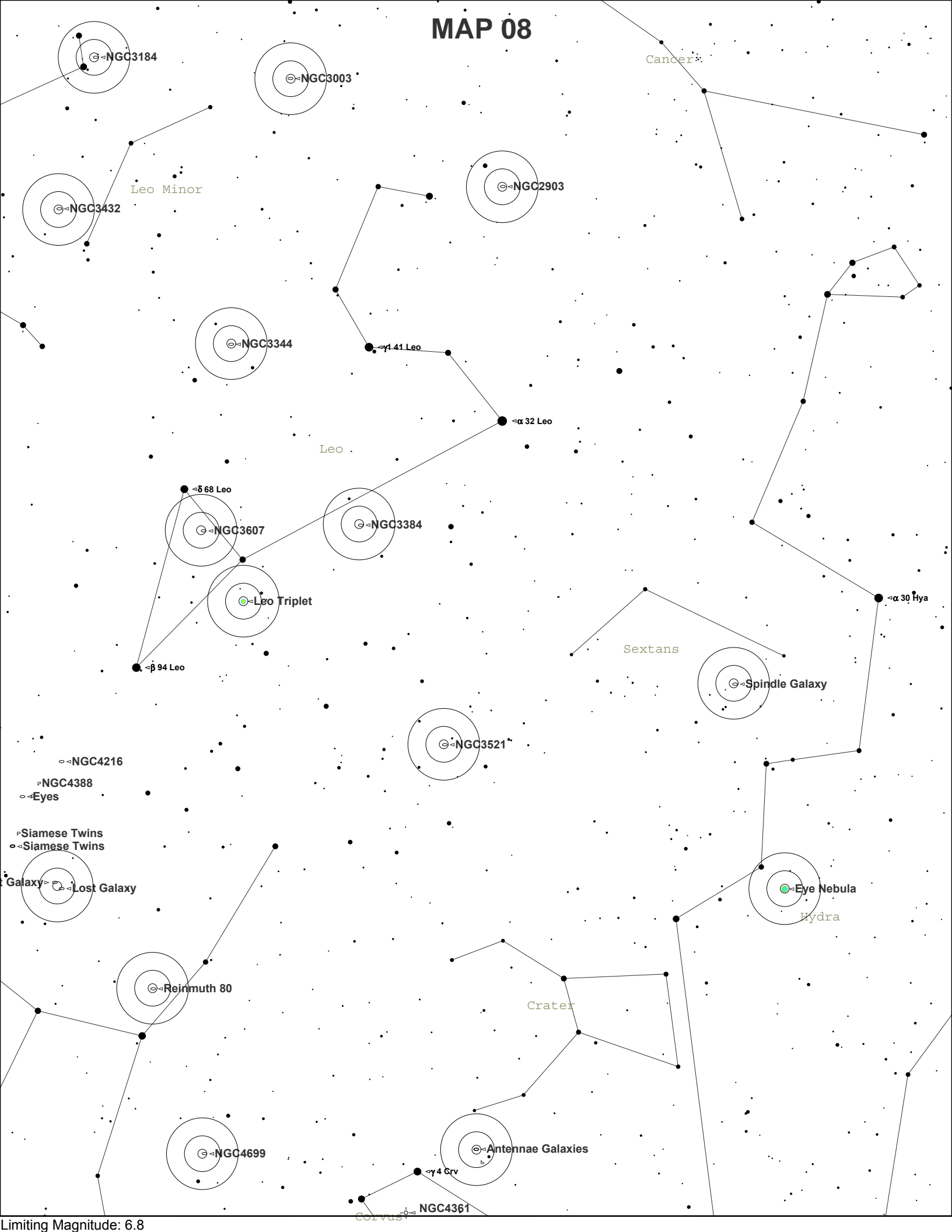
β 48 UMa

IC 289

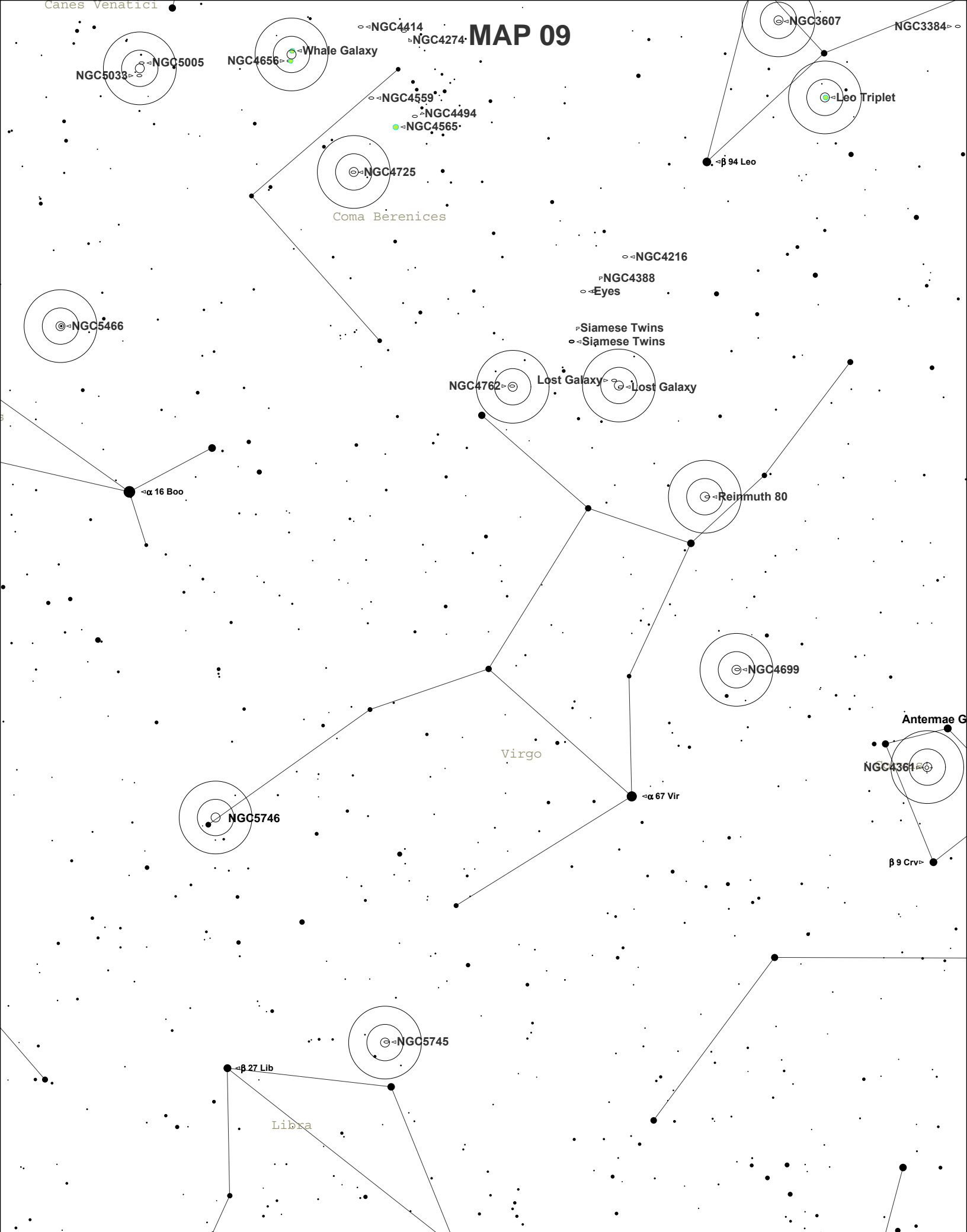
MAP 07



MAP 08



MAP 09



NGC5033

NGC5005

NGC4656

Whale Galaxy

NGC4414

NGC4274

NGC4559

NGC4494

NGC4565

NGC4725

Coma Berenices

NGC3607

NGC3384

Leo Triplet

β 94 Leo

NGC4216

NGC4388

Eyes

Siamese Twins

Siamese Twins

NGC4762

Lost Galaxy

Lost Galaxy

α 16 Boo

Reinmuth 80

NGC4699

Virgo

Antennae G

NGC4361

α 67 Vir

NGC5746

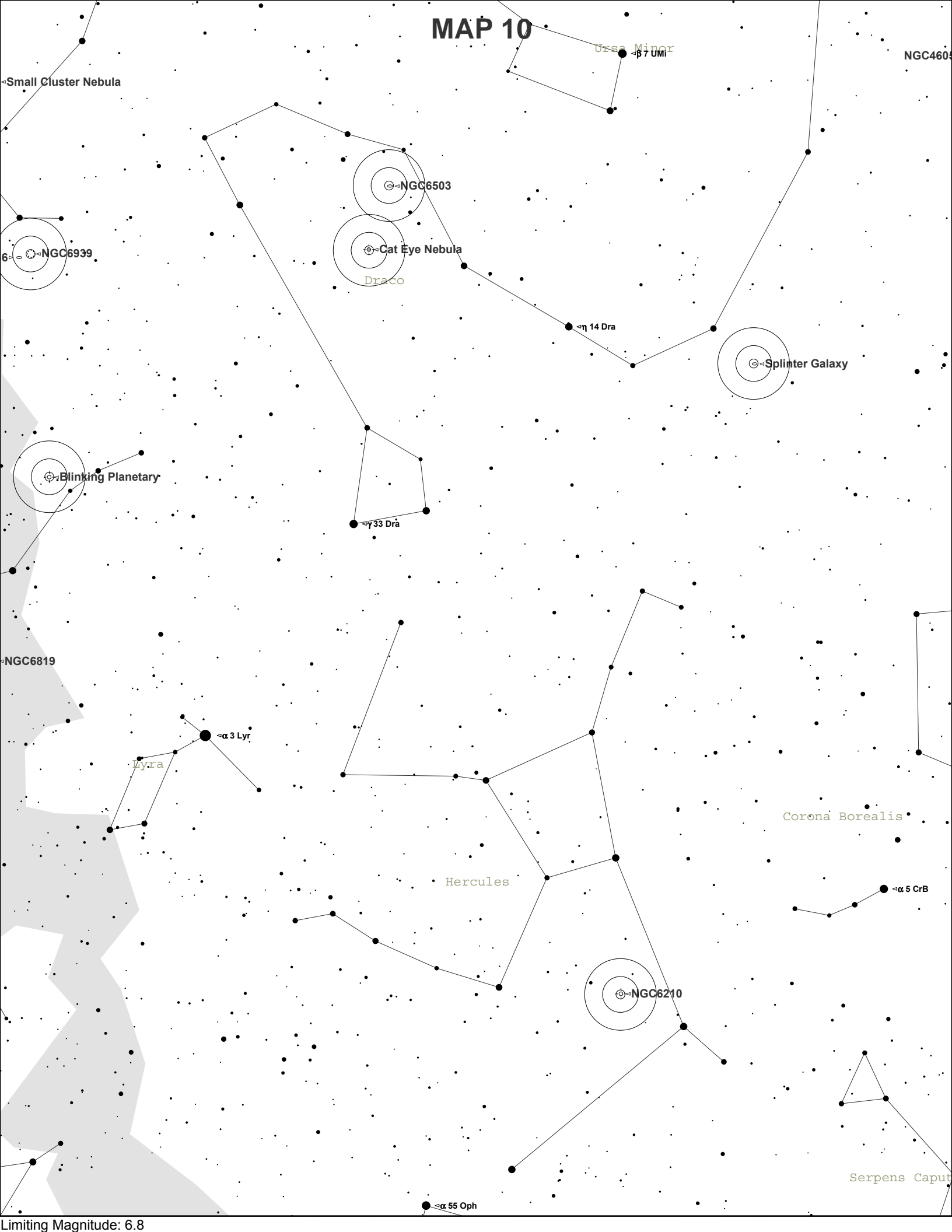
β 9 Crv

NGC5745

β 27 Lib

Libra

MAP 10



NGC4609

Small Cluster Nebula

Ursa Minor
β 7 UMi

NGC6939

NGC6503

Cat Eye Nebula

Draco

η 14 Dra

Splinter Galaxy

Blinking Planetary

γ 33 Dra

NGC6819

α 3 Lyr

Lyra

Hercules

Corona Borealis

α 5 CrB

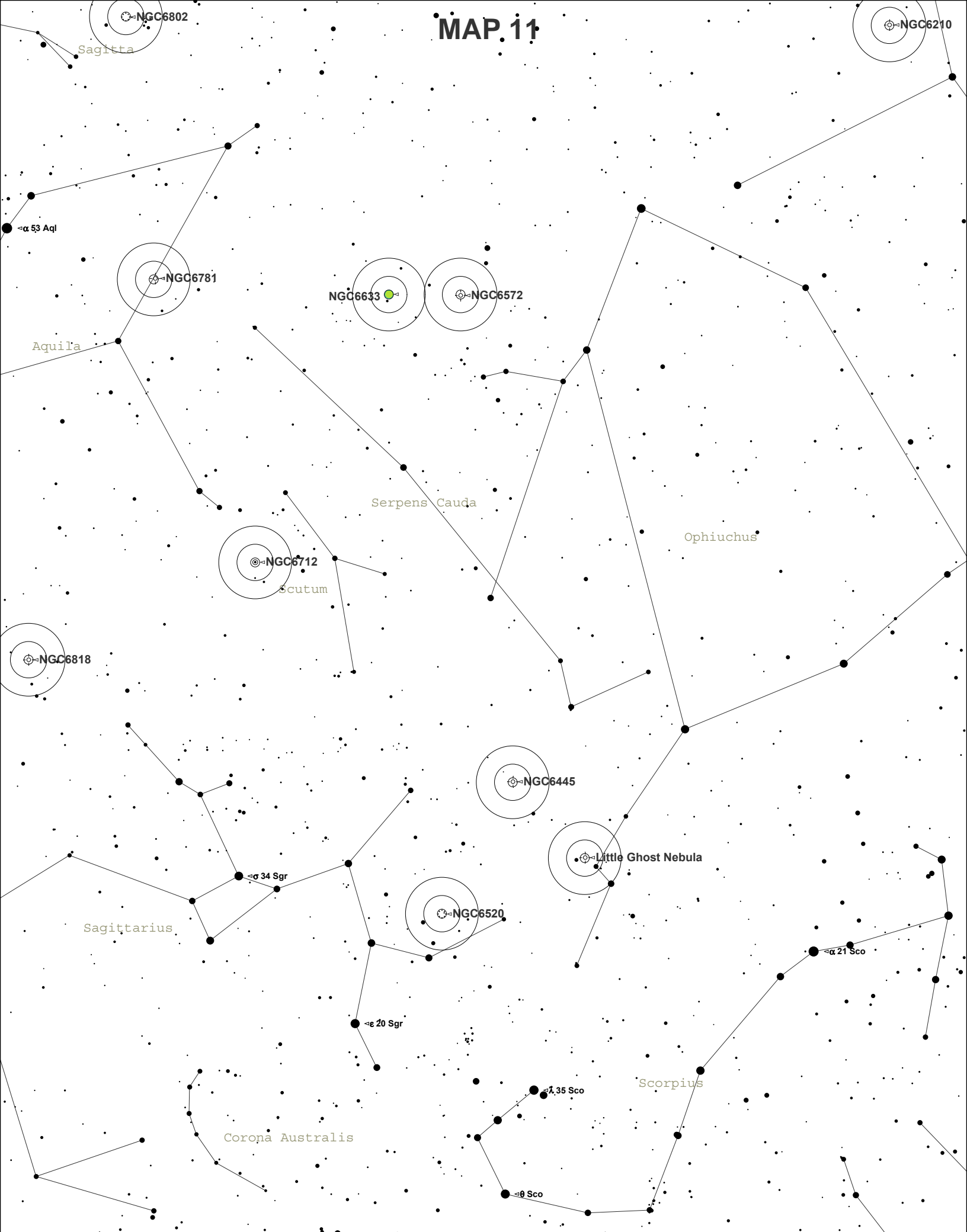
NGC6210

Serpens Caput

α 55 Oph

Limiting Magnitude: 6.8

MAP 11



MAP 12

