

## Messier Object Mapping System

Messier Object	Constellation	Map#	Messier Object	Constellation	Map#
M1	Taurus	1-6	M56	Lyra	3
M2	Aquarius	8	M57	Lyra	3
M3	Canes Venatici	4-10	M58	Virgo	IN2-5
M4	Scorpius	2	M59	Virgo	IN2
M5	Scorpius	10	M60	Virgo	IN2-5-9-10
M6	Scorpius	2	M61	Virgo	IN2-5-8
M7	Scorpius	2	M62	Ophiuchus	2
M8	Sagittarius	2-IN1	M63	Canes Venatici	4
M9	Ophiuchus	2	M64	Coma Berenices	4-5
M10	Ophiuchus	2	M65	Leo	5
M11	Scutum	2	M66	Leo	5
M12	Ophiuchus	2	M67	Cancer	6
M13	Hercules	3	M68	Hydra	9
M14	Ophiuchus	2	M69	Sagittarius	2-IN1-8
M15	Pegasus	8	M70	Sagittarius	2-IN1-8
M16	Serpens	2-IN1	M71	Sagittarius	2
M17	Sagittarius	2-IN1	M72	Aquarius	8
M18	Sagittarius	2-IN1	M73	Aquarius	8
M19	Ophiuchus	2	M74	Pisces	11
M20	Sagittarius	2-IN1-8	M75	Sagittarius	8
M21	Sagittarius	2-IN1-8	M76	Perseus	7
M22	Sagittarius	2-IN1-8	M77	Cetus	11
M23	Sagittarius	2-IN1	M78	Orion	1
M24	Sagittarius	2-IN1	M79	Lepus	1
M25	Sagittarius	2-IN1-8	M80	Scorpius	2
M26	Scutum	2	M81	Ursa Major	4
M27	Vupecula	3	M82	Ursa Major	4
M28	Sagittarius	2-IN1-8	M83	Hydra	9
M29	Cygnus	3	M84	Virgo	IN2-5
M30	Capricornus	8	M85	Coma Berenices	4-5
M31	Andromeda	7-11	M86	Virgo	IN2-5
M32	Andromeda	7-11	M87	Virgo	IN2-5
M33	Triangulum	7-11	M88	Coma Berenices	IN2-5
M34	Perseus	7-11	M89	Virgo	IN2
M35	Gemini	1-6	M90	Virgo	IN2-5
M36	Auriga	1-6	M91	Virgo	IN2-5
M37	Auriga	1-6	M92	Hercules	3
M38	Auriga	1	M93	Puppis	1-6
M39	Cygnus	3-7	M94	Canes Venatici	4-5
M40	Ursa Major	4	M95	Leo	5
M41	Canis Major	1	M96	Leo	5
M42	Orion	1	M97	Ursa Major	4
M43	Orion	1	M98	Coma Berenices	IN2-4-5
M44	Sagittarius	6	M99	Coma Berenices	IN2-4-5
M45	Taurus	1-11	M100	Coma Berenices	IN2-4-5
M46	Puppis	1-6	M101	Ursa Major	4
M47	Puppis	1-6	M102	Draco	4
M48	Hydra	6	M103	Cassiopeia	7
M49	Virgo	2-IN1-8	M104	Virgo	5-9-10
M50	Monoceros	1-6	M105	Leo	5
M51	Canes Venatici	4-10	M106	Canes Venatici	4-5
M52	Cassiopeia	7	M107	Ophiuchus	2
M53	Coma Berenices	4-5-10	M108	Ursa Major	4
M54	Sagittarius	2-IN1-8	M109	Ursa Major	4-5
M55	Sagittarius	2-8	M110	Andromeda	7-11

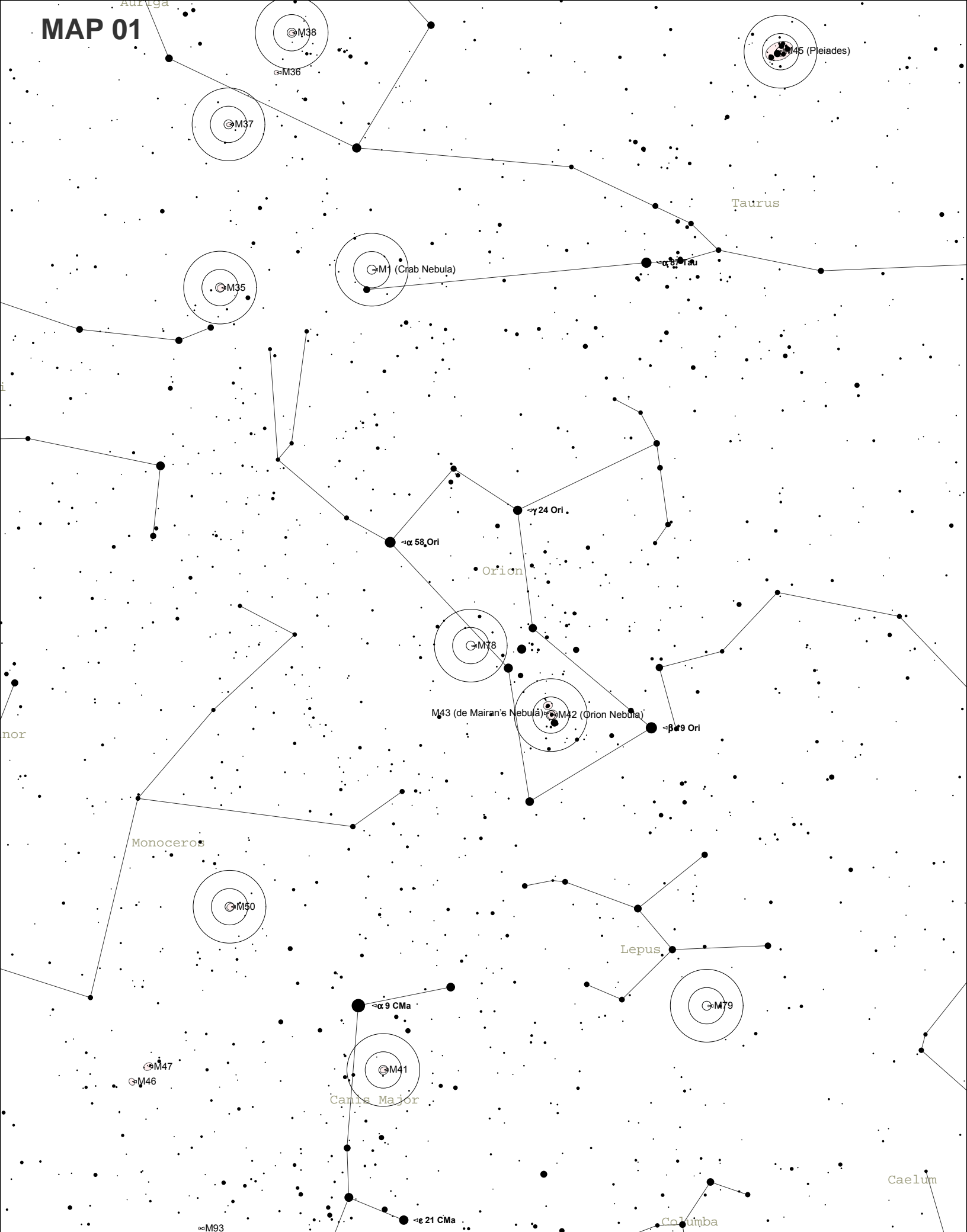
# Messier Object List

#	NGC#	Constellation	Type	Name, If Any	Mag.	RA	Dec.	Size	Seen	Date
M001	1952	Taurus	Supernova remnant	Crab Nebula	8.4	5h 34.5m	22 01	6.0x4.0	<input type="checkbox"/>	
M002	7089	Aquarius	Globular Cluster	N/A	6.5	21h 33.5m	-0 49	12.9	<input type="checkbox"/>	
M003	5272	Canes	Globular Cluster	N/A	6.4	13h 42.2m	28 23	16.2	<input type="checkbox"/>	
M004	6121	Scorpio	Globular Cluster	N/A	5.9	16h 23.6m	-26 32	26.3	<input type="checkbox"/>	
M005	5904	Serpens	Globular Cluster	N/A	5.8	15h 18.6m	2 5	17.4	<input type="checkbox"/>	
M006	6405	Scorpius	Open Cluster	Butterfly Cluster	4.2	17h 40.1m	-32 13	15.0	<input type="checkbox"/>	
M007	6475	Scorpius	Open Cluster	Ptolemy's Cluster	3.3	17h 53.9m	-34 49	80.0	<input type="checkbox"/>	
M008	6523	Sagittarius	Diffuse Nebula	Lagoon Nebula	5.0	18h 3.1m	-24 23	35.0x50.0	<input type="checkbox"/>	
M009	6333	Ophiucus	Globular Cluster	N/A	7.9	17h 19.2m	-18 31	9.3	<input type="checkbox"/>	
M010	6254	Ophiucus	Globular Cluster	N/A	6.6	16h 57.1m	-4 6	15.1	<input type="checkbox"/>	
M011	6705	Scutum	Open Cluster	Wild Duck Cluster	5.8	18h 51.1m	-6 16	14.0	<input type="checkbox"/>	
M012	6218	Ophiucus	Globular Cluster	N/A	6.6	16h 47.2m	-1 57	14.5	<input type="checkbox"/>	
M013	6205	Hercules	Globular Cluster	N/A	5.9	16h 41.7m	36 28	16.6	<input type="checkbox"/>	
M014	6402	Ophiucus	Globular Cluster	N/A	7.6	17h 37.6m	-3 15	11.7	<input type="checkbox"/>	
M015	7078	Pegasus	Globular Cluster	N/A	6.4	21h 30m	12 10	12.3	<input type="checkbox"/>	
M016	6611	Serpens	Open Cluster	Eagle Nebula Cluster	6.5	18h 18.8m	-13 47	7.0	<input type="checkbox"/>	
M017	6618	Sagittarius	Diffuse Nebula	Omega, Swan, Horseshoe	7.0	18h 20.8m	-16 11	11.0	<input type="checkbox"/>	
M018	6613	Sagittarius	Open Cluster	N/A	8.0	18h 19.9m	-17 8	9.0	<input type="checkbox"/>	
M019	6273	Ophiucus	Globular Cluster	N/A	8.5	17h 2.6m	-26 16	13.5	<input type="checkbox"/>	
M020	6514	Sagittarius	Diffuse Nebula	Trifid Nebula	5.0	18h 2.3m	-23 2	28.0	<input type="checkbox"/>	
M021	6531	Sagittarius	Open Cluster	N/A	7.0	18h 4.6m	-22 30	13.0	<input type="checkbox"/>	
M022	6656	Sagittarius	Globular Cluster	N/A	6.5	18h 36.4m	-29 54	24.0	<input type="checkbox"/>	
M023	6494	Sagittarius	Open Cluster	N/A	6.0	17h 56.8m	-19 1	27.0	<input type="checkbox"/>	
M024	6603	Sagittarius	Star Cloud	Milky Way Patch	11.	18h 18.4m	-18 25	5.0	<input type="checkbox"/>	
M025	IC4725	Sagittarius	Open Cluster	N/A	4.9	18h 28.8m	-19 17	40.0	<input type="checkbox"/>	
M026	6694	Scutum	Open Cluster	N/A	9.5	18h 45.2m	-9 24	15.0	<input type="checkbox"/>	
M027	6853	Vulpecula	Planetary Nebula	Dumbbell Nebula	7.5	19h 59.6m	22 43	8.0x5.6	<input type="checkbox"/>	
M028	6626	Sagittarius	Globular Cluster	N/A	8.5	18h 24.5m	-24 52	11.2	<input type="checkbox"/>	
M029	6913	Cygnus	Open Cluster	N/A	9.0	20h 23.9m	38 32	7.0	<input type="checkbox"/>	
M030	7099	Capricornus	Globular Cluster	N/A	8.5	21h 40.4m	-23 11	11.0	<input type="checkbox"/>	
M031	0224	Andromeda	Spiral Galaxy	Andromeda Galaxy	4.5	0h 42.8m	41 16	178.0	<input type="checkbox"/>	
M032	0221	Andromeda	Elliptical Galaxy	Satellite of M31	10.	0h 42.8m	40 52	8.0x6.0	<input type="checkbox"/>	
M033	0598	Triangulum	Spiral Galaxy	Triangulum (also	7.0	1h 33.9m	30 40	73.0x45.0	<input type="checkbox"/>	
M034	1039	Perseus	Open Cluster	N/A	6.0	2h 42.0m	42 47	35.0	<input type="checkbox"/>	
M035	2168	Gemini	Open Cluster	N/A	5.5	6h 8.9m	24 20	28.0	<input type="checkbox"/>	
M036	1960	Auriga	Open Cluster	N/A	6.5	5h 36.1	34 08	12.0	<input type="checkbox"/>	
M037	2099	Auriga	Open Cluster	N/A	6.0	5h 52.4m	32 33		<input type="checkbox"/>	

#	NGC#	Constellation	Type	Name, if Any	Mag. RA	Dec.	Size	Seen	Date
M038	1922	Auriga	Open Cluster	N/A	7.0 5h 28.7m	35 50	21.0	<input type="checkbox"/>	
M039	7092	Cygnus	Open Cluster	N/A	5.5 21h 32.2m	48 26	32.0	<input type="checkbox"/>	
M040	7092	Ursa Major	Double Star	Winecke 4	9.0 12h 20.0m	58 22	0.8	<input type="checkbox"/>	
M041	2287	Canis Major	Open Cluster	N/A	5.0 6h 47.0m	-20 44	38.0	<input type="checkbox"/>	
M042	1976	Orion	Diffuse Nebula	Great Orion Nebula	5.0 5h 35.3m	-5 23	85.0x60.0	<input type="checkbox"/>	
M043	1982	Orion	Diffuse Nebula	de Mairan's Nebula	7.0 5h 35.5m	-5 16	20.0x15.0	<input type="checkbox"/>	
M044	2632	Cancer	Open Cluster	Beehive Cluster	4.0 8h 40.1m	19 59	95.0	<input type="checkbox"/>	
M045	1432	Taurus	Open Cluster	Pleiades, Subaru, Seven	1.4 3h 47.0m	24 07	110.0	<input type="checkbox"/>	
M046	2437	Puppis	Open Cluster	N/A	6.5 7h 41.8m	-14 49	27.0	<input type="checkbox"/>	
M047	2422	Puppis	Open Cluster	N/A	4.5 7h 36.6m	-14 30	30.0	<input type="checkbox"/>	
M048	2548	Hydra	Open Cluster	N/A	5.5 8h 13.8m	-5 48	54.0	<input type="checkbox"/>	
M049	4472	Virgo	Elliptical Galaxy	N/A	10. 12h 29.8m	8 1	9.0x7.5	<input type="checkbox"/>	
M050	2323	Monoceros	Open Cluster	N/A	7.0 7h 3.2m	-8 20	16.0	<input type="checkbox"/>	
M051	5194	Ursa Major	Spiral Galaxy	Whirlpool Galaxy	8.0 13h 30.0m	47 11	11.0x7.0	<input type="checkbox"/>	
M052	7654	Cassiopea	Open Cluster	N/A	8.0 23h 24.2m	61 35	13.0	<input type="checkbox"/>	
M053	5024	Coma	Globular Cluster	N/A	8.5 13h 12.9m	18 10	12.6	<input type="checkbox"/>	
M054	6715	Sagittarius	Globular Cluster	N/A	8.5 18h 55.1m	-30 29	9.1	<input type="checkbox"/>	
M055	6809	Sagittarius	Globular Cluster	N/A	7.0 19h 40.0m	-30 58	19.0	<input type="checkbox"/>	
M056	6779	Lyra	Globular Cluster	N/A	9.5 19h 16.6m	30 11	7.1	<input type="checkbox"/>	
M057	6720	Lyra	Planetary Nebula	Ring Nebula	9.5 18h 53.6m	33 2	1.4x1.0	<input type="checkbox"/>	
M058	4579	Virgo	Spiral Galaxy	N/A	11. 12h 37.8m	11 50	5.5x4.5	<input type="checkbox"/>	
M059	4621	Virgo	Elliptical Galaxy	N/A	11. 12h 42.1m	11 39	5.0x3.5	<input type="checkbox"/>	
M060	4649	Virgo	Elliptical Galaxy	N/A	10. 12h 43.7m	11 34	7.0x6.0	<input type="checkbox"/>	
M061	4303	Virgo	Spiral Galaxy	N/A	10. 12h 22.0m	4 29	6.0x5.5	<input type="checkbox"/>	
M062	6266	Ophiucus	Globular Cluster	N/A	8.0 17h 1.2m	-30 7	14.1	<input type="checkbox"/>	
M063	5055	Canes	Spiral Galaxy	Sunflower Galaxy	8.5 13h 15.8m	42 2	10.0x6.0	<input type="checkbox"/>	
M064	4826	Coma	Spiral Galaxy	Blackeye Galaxy	9.0 12h 56.7m	21 41	9.3x5.4	<input type="checkbox"/>	
M065	3623	Leo	Spiral Galaxy	N/A	10. 11h 18.9m	13 6	8.0x1.5	<input type="checkbox"/>	
M066	3627	Leo	Spiral Galaxy	N/A	10. 11h 20.2m	13 0	8.0x2.5	<input type="checkbox"/>	
M067	2628	Cancer	Open Cluster	N/A	7.5 8h 50.4m	11 49	30.0	<input type="checkbox"/>	
M068	4590	Hydra	Globular Cluster	N/A	9.0 12h 39.5m	-26 45	12.0	<input type="checkbox"/>	
M069	6637	Sagittarius	Globular Cluster	N/A	9.0 18h 34.4m	-32 21	7.1	<input type="checkbox"/>	
M070	6681	Sagittarius	Globular Cluster	N/A	9.0 18h 43.2m	-32 18	7.8	<input type="checkbox"/>	
M071	6838	Sagitta	Globular Cluster	N/A	8.5 19h 53.8m	18 47	7.2	<input type="checkbox"/>	
M072	6981	Aquarius	Globular Cluster	N/A	10. 20h 53.5m	-12 32	5.9	<input type="checkbox"/>	
M073	6994	Aquarius	Group/Asterism	N/A	9.0 20h 59.0m	-12 3	2.8	<input type="checkbox"/>	
M074	0628	Pisces	Spiral Galaxy	N/A	10. 1h 36.6m	15 48		<input type="checkbox"/>	

#	NGC#	Constellation	Type	Name, If Any	Mag. RA	Dec.	Size	Seen	Date
M075	6864	Sagittarius	Globular Cluster	N/A	9.5 20h 6.1m	-21 55	6.0	<input type="checkbox"/>	
M076	0650	Perseus	Planetary Nebula	Little Dumbell, Cork,	12. 1h 42.4m	51 34	2.7x1.8	<input type="checkbox"/>	
M077	1068	Cetus	Spiral Galaxy	N/A	10. 2h 42.7m	-9 2	7.0x6.0	<input type="checkbox"/>	
M078	2068	Orion	Diffuse Nebula	N/A	8.0 5h 46.8m	0 4	8.0x6.0	<input type="checkbox"/>	
M079	1904	Lepus	Globular Cluster	N/A	8.5 5h 24.5m	-24 33	8.7	<input type="checkbox"/>	
M080	6093	Scorpius	Globular Cluster	N/A	8.5 16h 17.0m	-22 59	8.9	<input type="checkbox"/>	
M081	3031	Ursa Major	Spiral Galaxy	Bode's Galaxy - 1/2 of	8.5 9h 55.6m	69 4	21.0x10.0	<input type="checkbox"/>	
M082	3034	Ursa Major	Irregular Galaxy	Cigar Galaxy - 1/2 of	9.5 9h 55.9m	69 41	9.x4.0	<input type="checkbox"/>	
M083	5236	Hydra	Spiral Galaxy	Small Pinwheel Galaxy	8.5 13h 37.1m	-29 52	11.0x10.0	<input type="checkbox"/>	
M084	4374	Virgo	Lenticular (S0)	N/A	11. 12h 25.1m	12 54	5.0	<input type="checkbox"/>	
M085	4382	Coma	Lenticular (S0)	N/A	10. 12h 25.5m	18 12	7.1x5.2	<input type="checkbox"/>	
M086	4406	Virgo	Lenticular (S0)	N/A	11. 12h 26.3m	12 57	7.5x5.5	<input type="checkbox"/>	
M087	4486	Virgo	Elliptical Galaxy	Virgo A	11. 12h 30.9m	12 24	7.0	<input type="checkbox"/>	
M088	4501	Coma	Spiral Galaxy	N/A	11. 12h 32.1m	14 26	7.0x4.0	<input type="checkbox"/>	
M089	4552	Virgo	Elliptical Galaxy	N/A	11. 12h 35.7m	12 34	4.0	<input type="checkbox"/>	
M090	4569	Virgo	Spiral Galaxy	N/A	11. 12h 36.9m	13 10	9.5x4.5	<input type="checkbox"/>	
M091	4548	Coma	Spiral Galaxy	N/A	11. 12h 35.5m	14 30	5.4x4.4	<input type="checkbox"/>	
M092	6341	Hercules	Globular Cluster	N/A	7.5 17h 17.1m	43 8	11.2	<input type="checkbox"/>	
M093	2447	Puppis	Open Cluster	N/A	6.5 7h 44.6m	-23 52	22.0	<input type="checkbox"/>	
M094	4736	Canes	Spiral Galaxy	N/A	9.5 12h 50.9m	41 8	7.0x3.0	<input type="checkbox"/>	
M095	3351	Leo	Spiral Galaxy	N/A	11. 10h 43.9m	11 42	4.4x3.3	<input type="checkbox"/>	
M096	3368	Leo	Spiral Galaxy	N/A	10. 10h 46.7m	11 49	6.0x4.0	<input type="checkbox"/>	
M097	3587	Ursa Major	Planetary Nebula	Owl Nebula	12. 11h 14.8m	55 1	3.4x3.3	<input type="checkbox"/>	
M098	4192	Coma	Spiral Galaxy	N/A	11. 12h 13.9m	14 55	9.5x3.2	<input type="checkbox"/>	
M099	4254	Coma	Spiral Galaxy	N/A	10. 12h 18.9m	14 26	5.4x4.8	<input type="checkbox"/>	
M100	4321	Coma	Spiral Galaxy	N/A	10. 12h 23.0m	15 50	7.0x6.0	<input type="checkbox"/>	
M101	5457	Ursa Major	Spiral Galaxy	Pinwheel Galaxy	8.5 14h 3.3m	54 22	22.0	<input type="checkbox"/>	
M102	5866	Draco	Lenticular (S0)	Spindle Galaxy	10. 15h 6.5m	55 45	5.2x2.3	<input type="checkbox"/>	
M103	0581	Cassiopeia	Open Cluster	N/A	7.0 1h 33.2m	60 42	6.0	<input type="checkbox"/>	
M104	4594	Virgo	Spiral Galaxy	Sombrero Galaxy	9.5 12h 39.9m	-11 37	9.0x4.0	<input type="checkbox"/>	
M105	3379	Leo	Elliptical Galaxy	N/A	11. 10h 47.8m	12 35	2.0	<input type="checkbox"/>	
M106	4258	Ursa Major	Spiral Galaxy	N/A	9.5 12h 18.9m	47 19	19.0x8.0	<input type="checkbox"/>	
M107	6171	Ophiucus	Globular Cluster	N/A	10. 16h 32.5m	-13 3	10.0	<input type="checkbox"/>	
M108	3556	Ursa Major	Spiral Galaxy	N/A	11. 11h 11.6m	55 41	8.0x1.0	<input type="checkbox"/>	
M109	3992	Ursa Major	Spiral Galaxy	N/A	11. 11h 57.6m	53 23	7.0x4.0	<input type="checkbox"/>	
M110	0205	Andromeda	Elliptical Galaxy	Satellite of M31	10. 0h 40.4m	41 41		<input type="checkbox"/>	

# MAP 01



Auriga

Taurus

Orion

Monoceros

Lepus

Canis Major

Caelum

Limiting Magnitude: 6.8

M38

M36

M37

M35

M1 (Crab Nebula)

M45 (Pleiades)

$\alpha$  8 Ori

$\gamma$  24 Ori

$\alpha$  58 Ori

M78

M43 (de Mairan's Nebula)

M42 (Orion Nebula)

$\beta$  49 Ori

M50

$\alpha$  9 CMa

M79

M47

M46

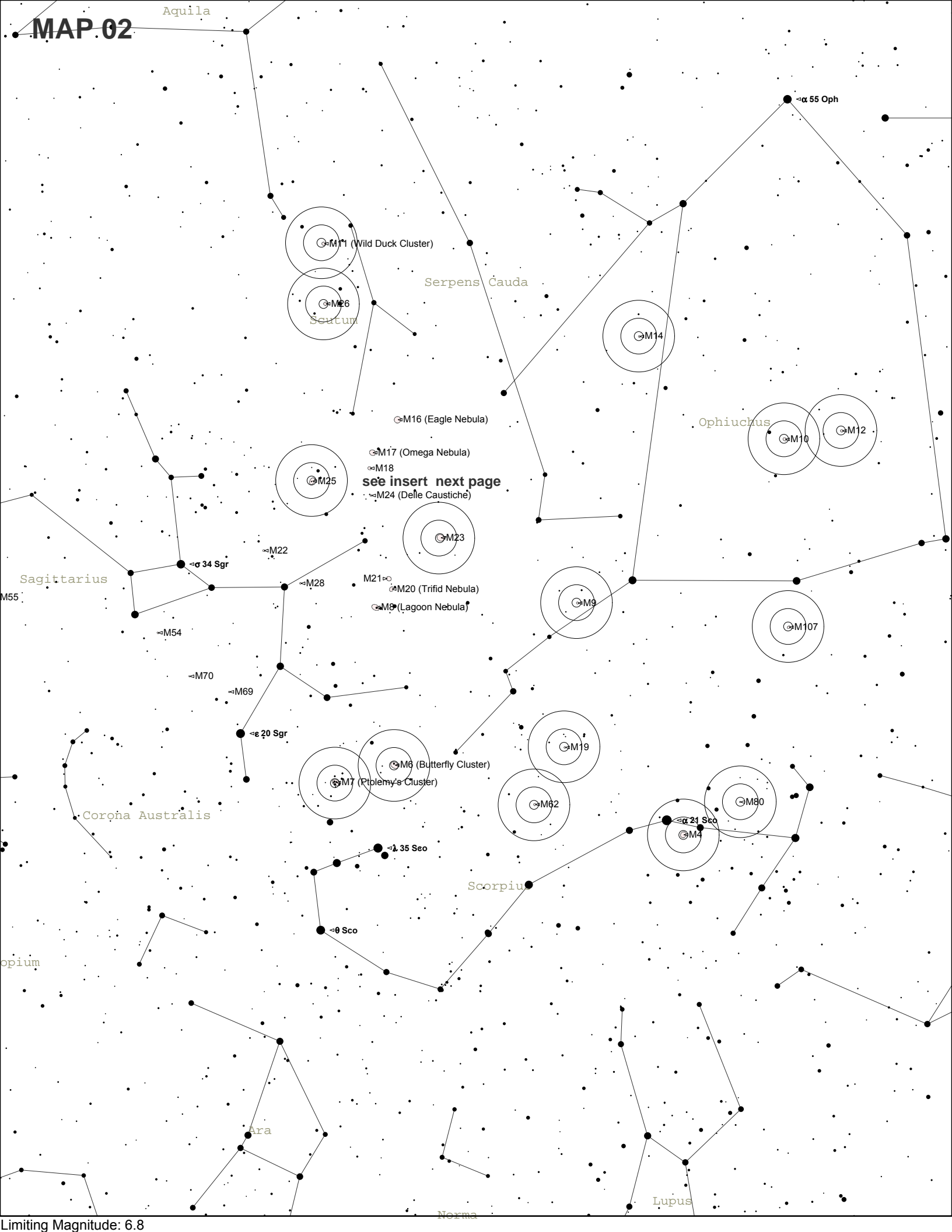
M41

M93

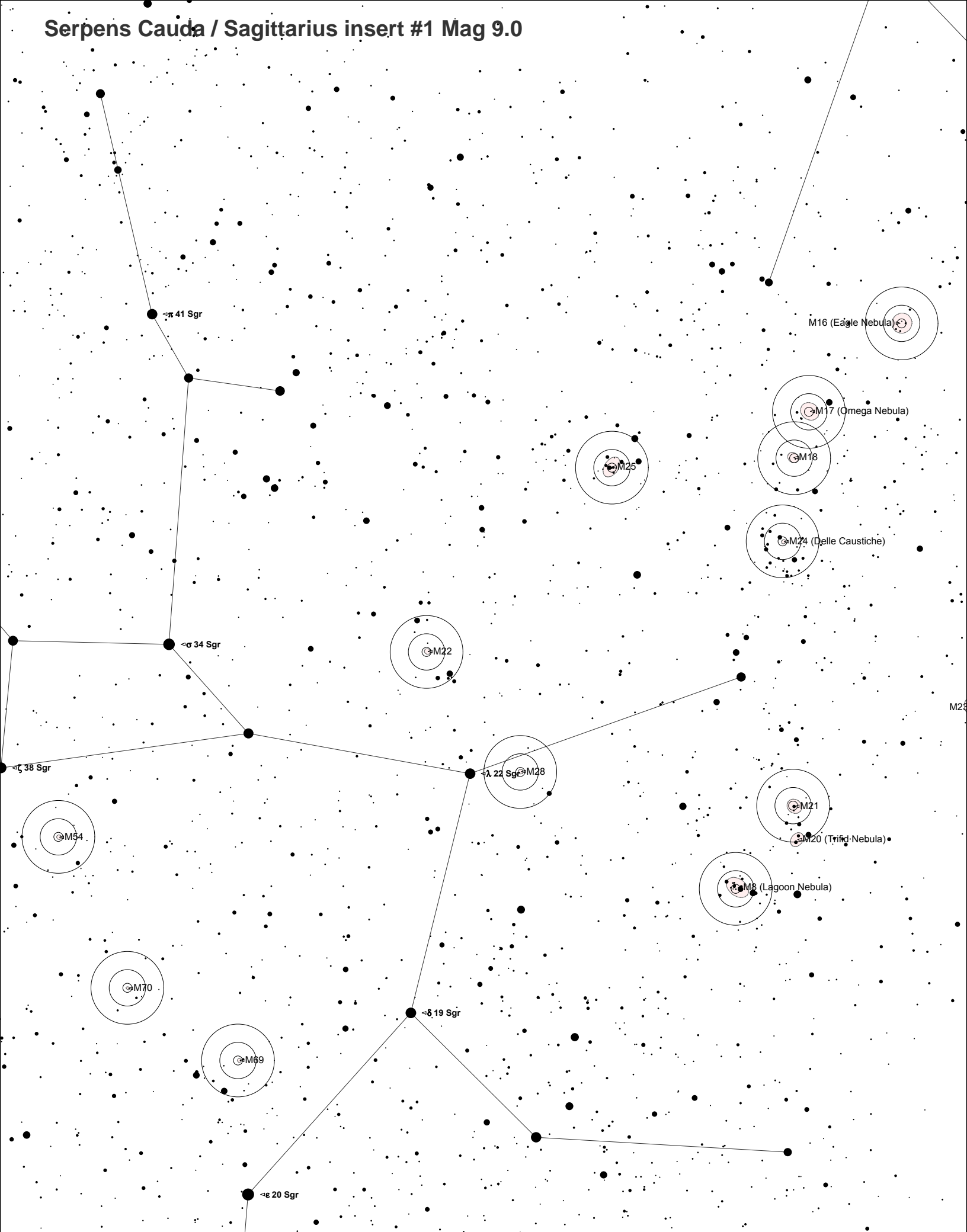
$\epsilon$  21 CMa

Columba

# MAP 02

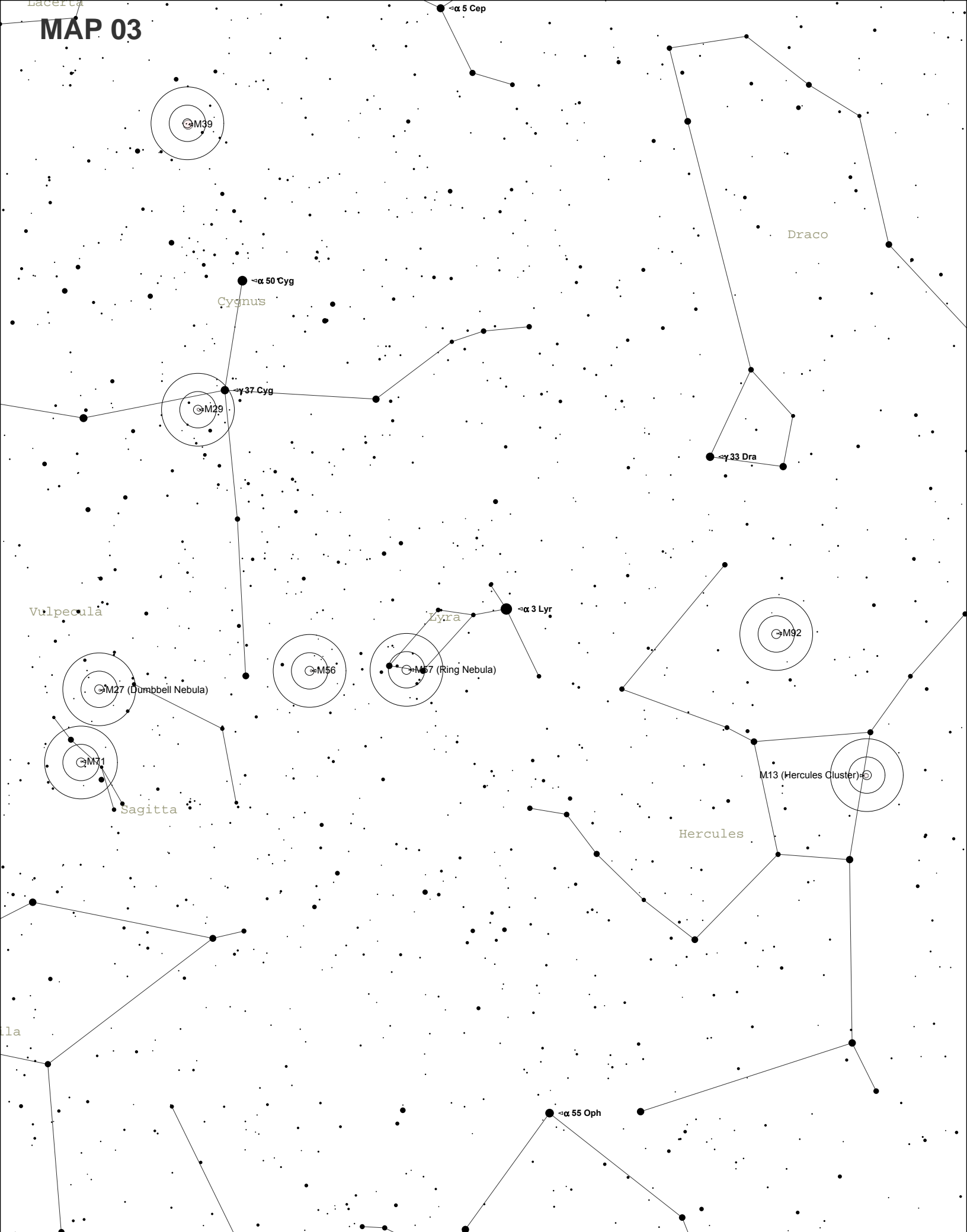


# Serpens Cauda / Sagittarius insert #1 Mag 9.0



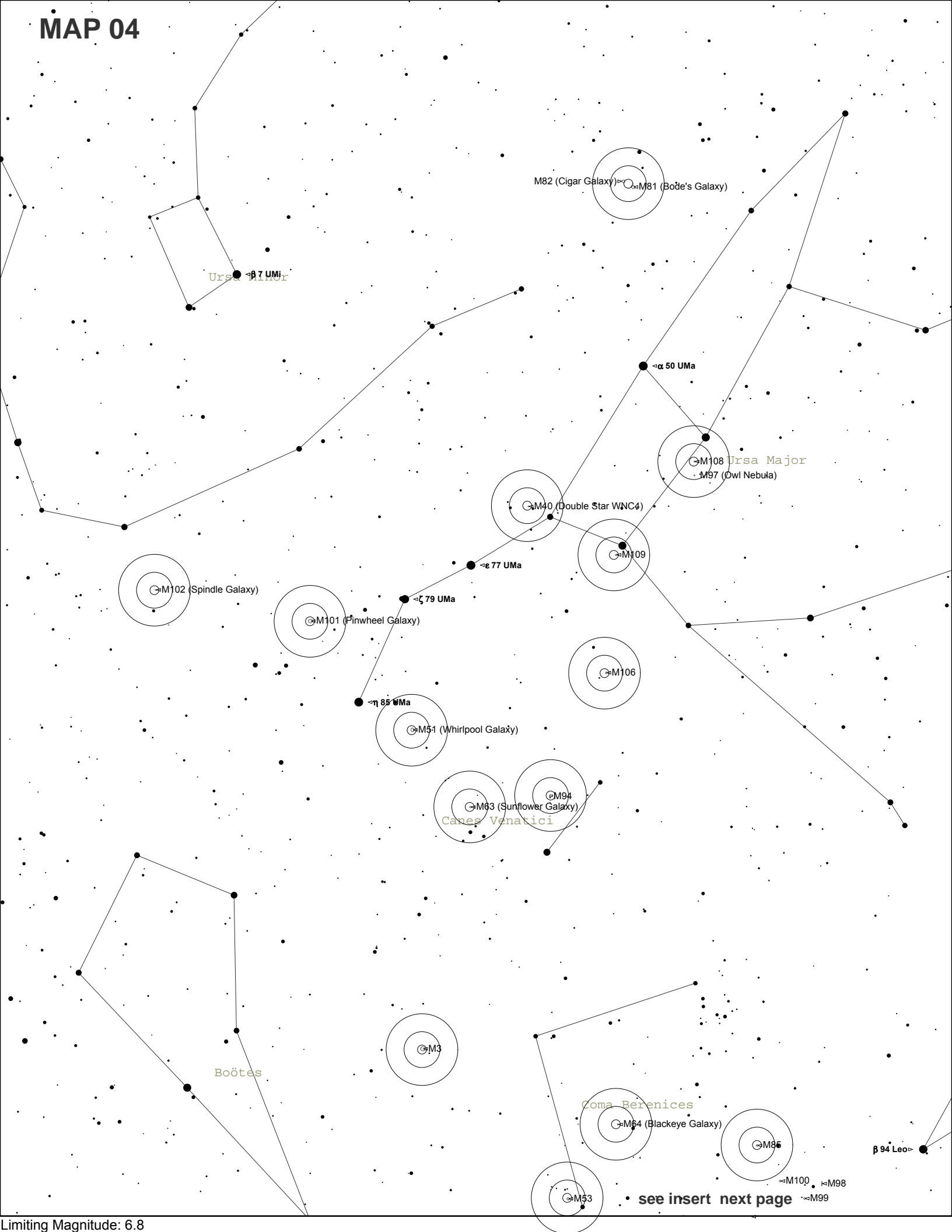
Limiting Magnitude: 9.0

# MAP 03





# MAP 04



Ursa Minor

M82 (Cigar Galaxy) M81 (Bode's Galaxy)

α 50 UMa

M108 Ursa Major  
M97 (Owl Nebula)

M40 (Double Star WNC4)

M109

ε 77 UMa

M102 (Spindle Galaxy)

ζ 79 UMa

M101 (Pinwheel Galaxy)

M106

η 85 UMa

M51 (Whirlpool Galaxy)

M93 (Sunflower Galaxy)

Canes Venatici

M94

Boötes

M3

Coma Berenices

M64 (Blackeye Galaxy)

β 94 Leo

M85

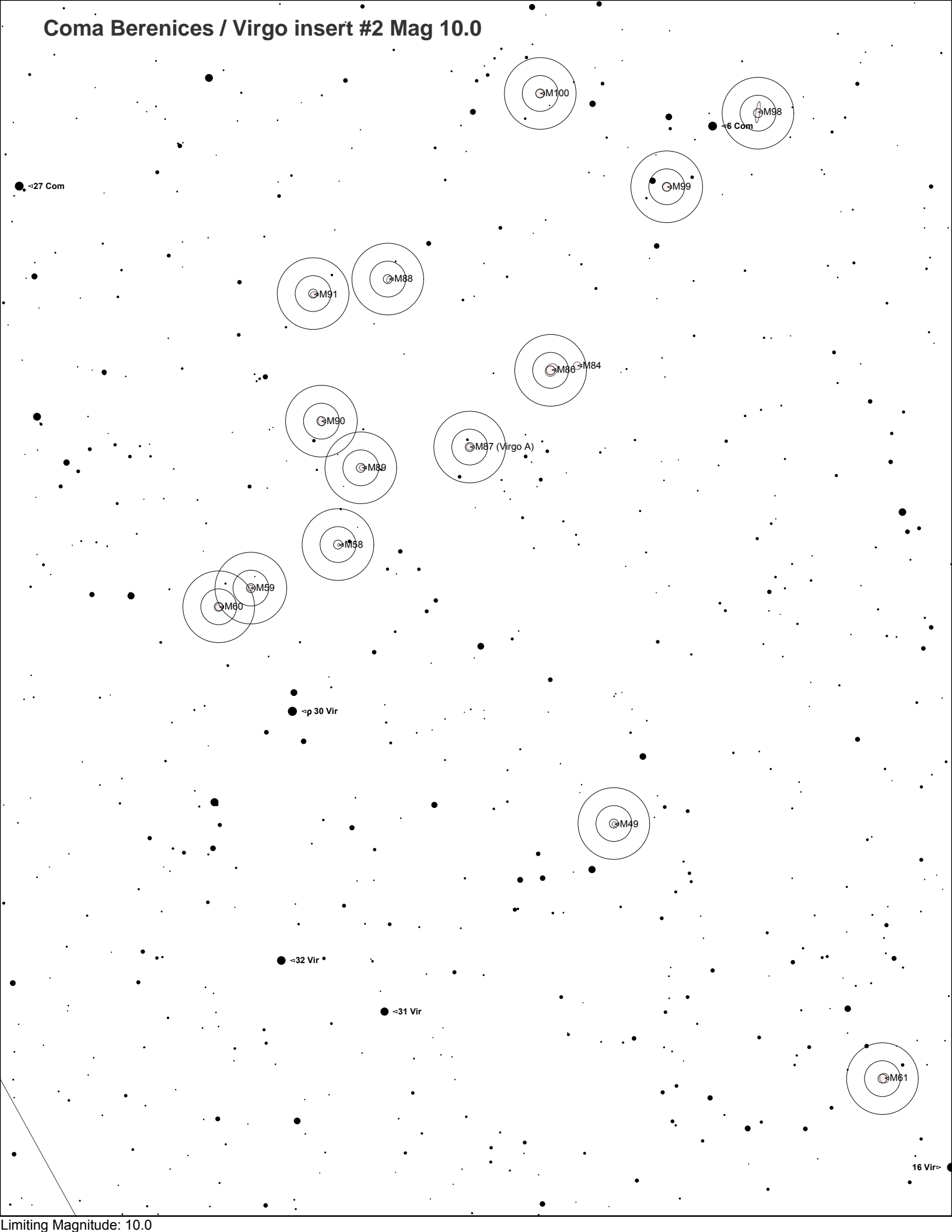
M100 M98

M53

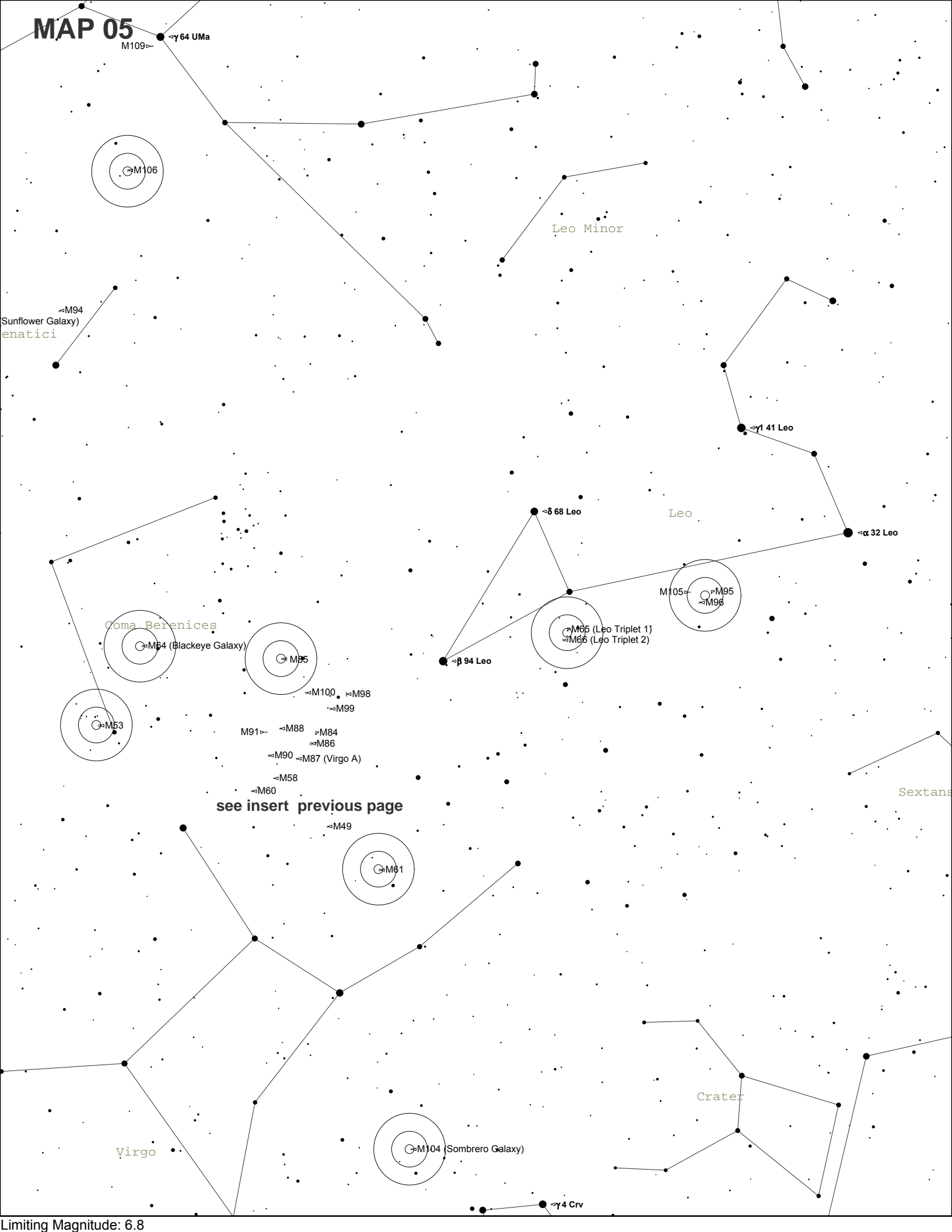
see insert next page

M99

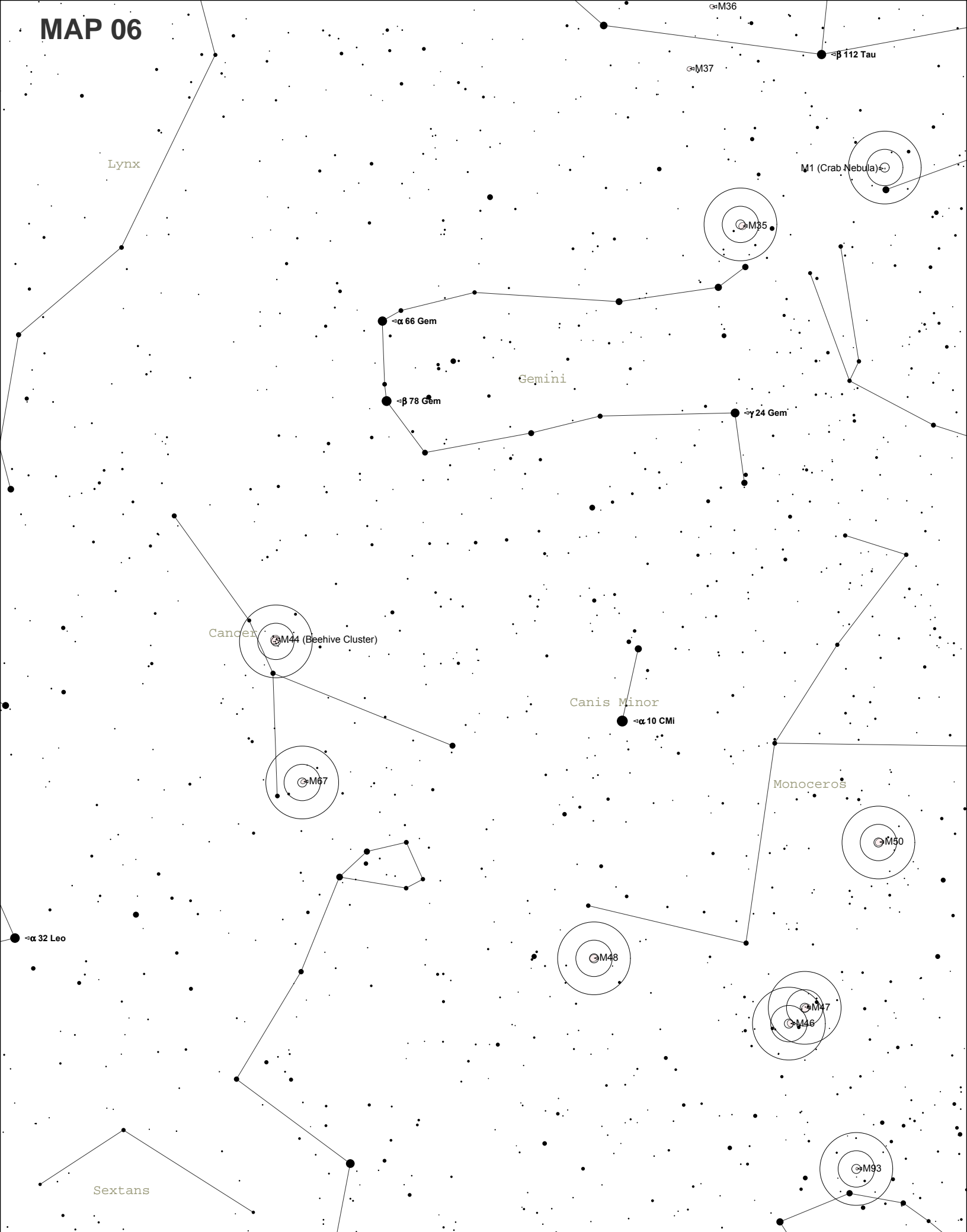
# Coma Berenices / Virgo insert #2 Mag 10.0



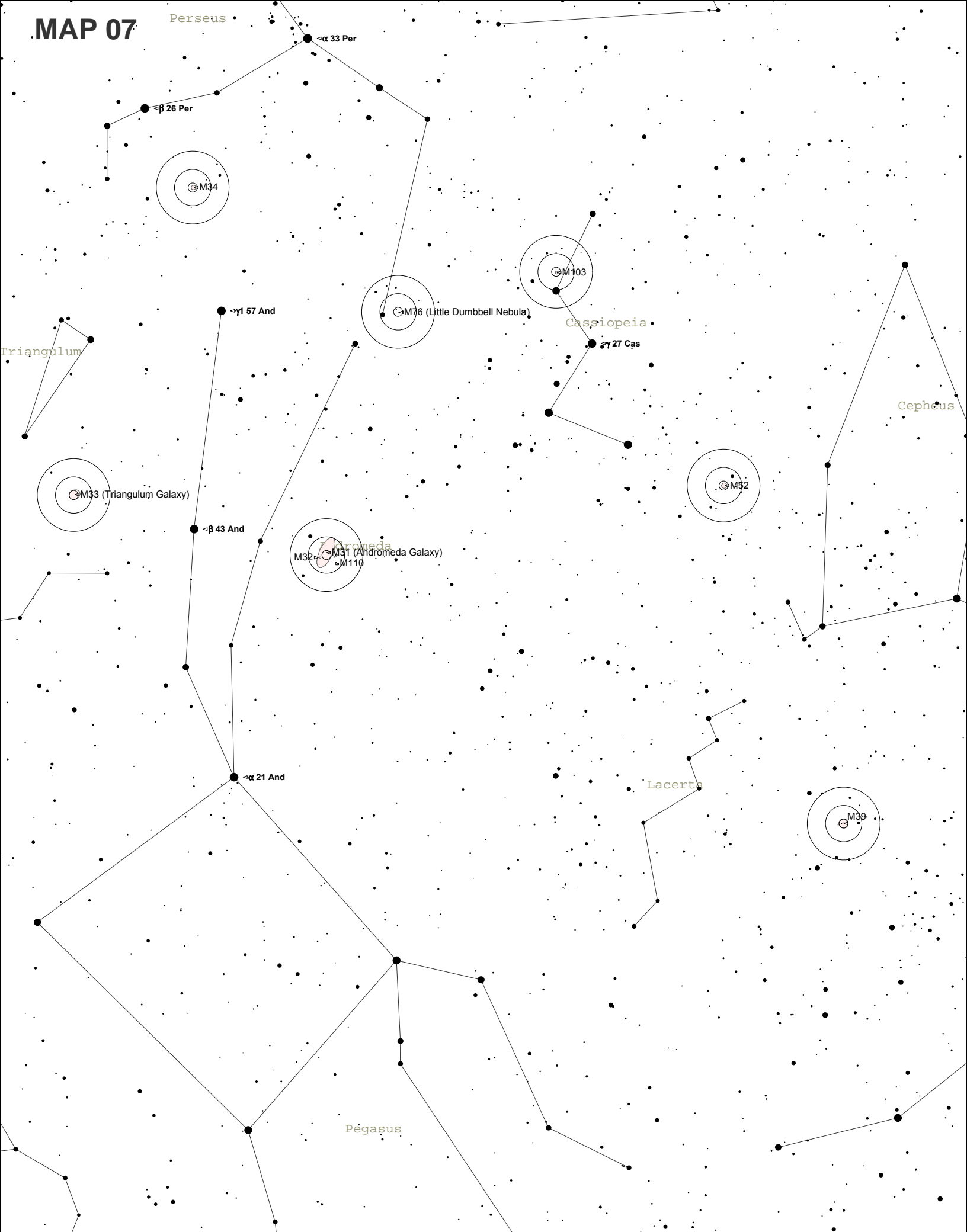
# MAP 05



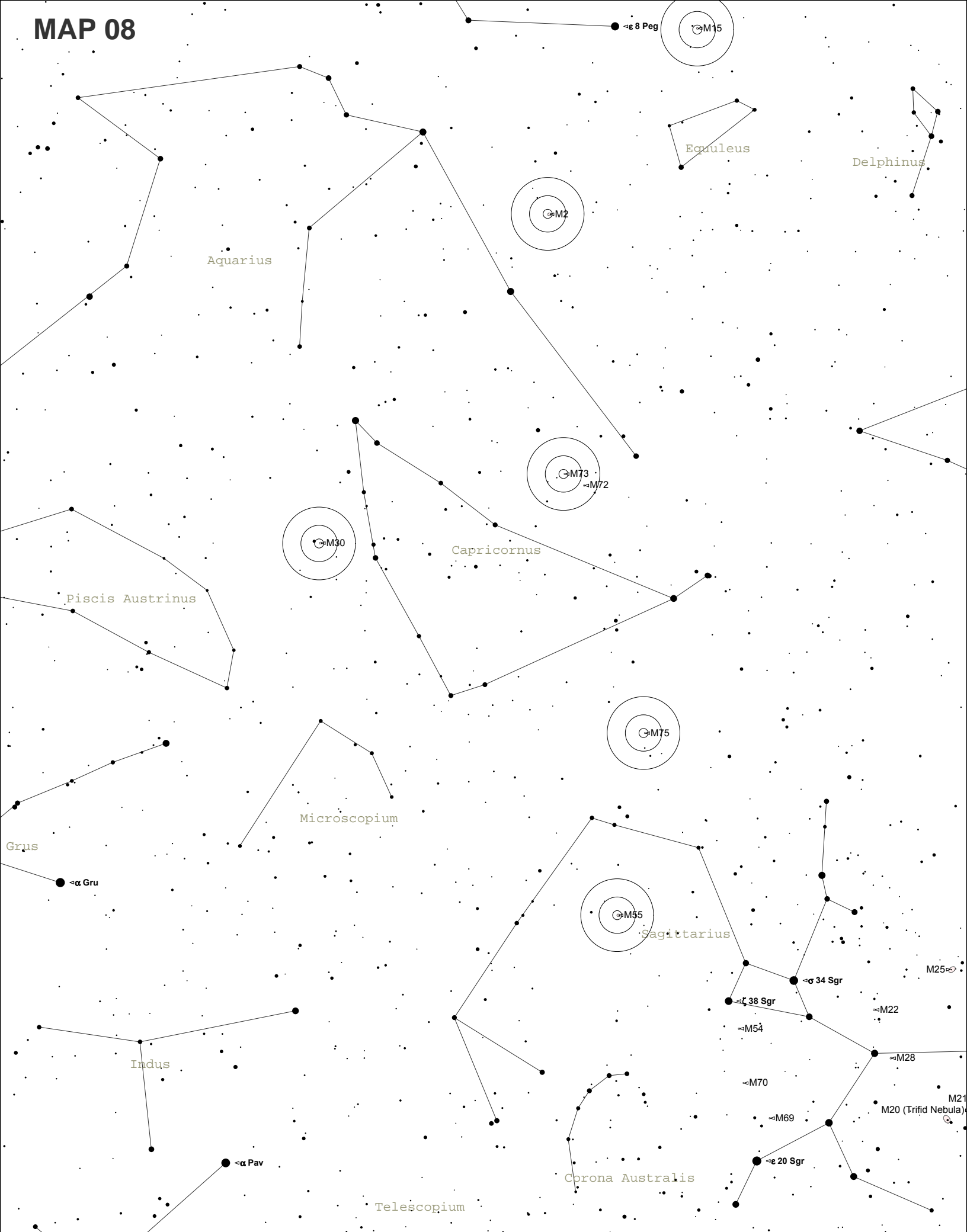
# MAP 06



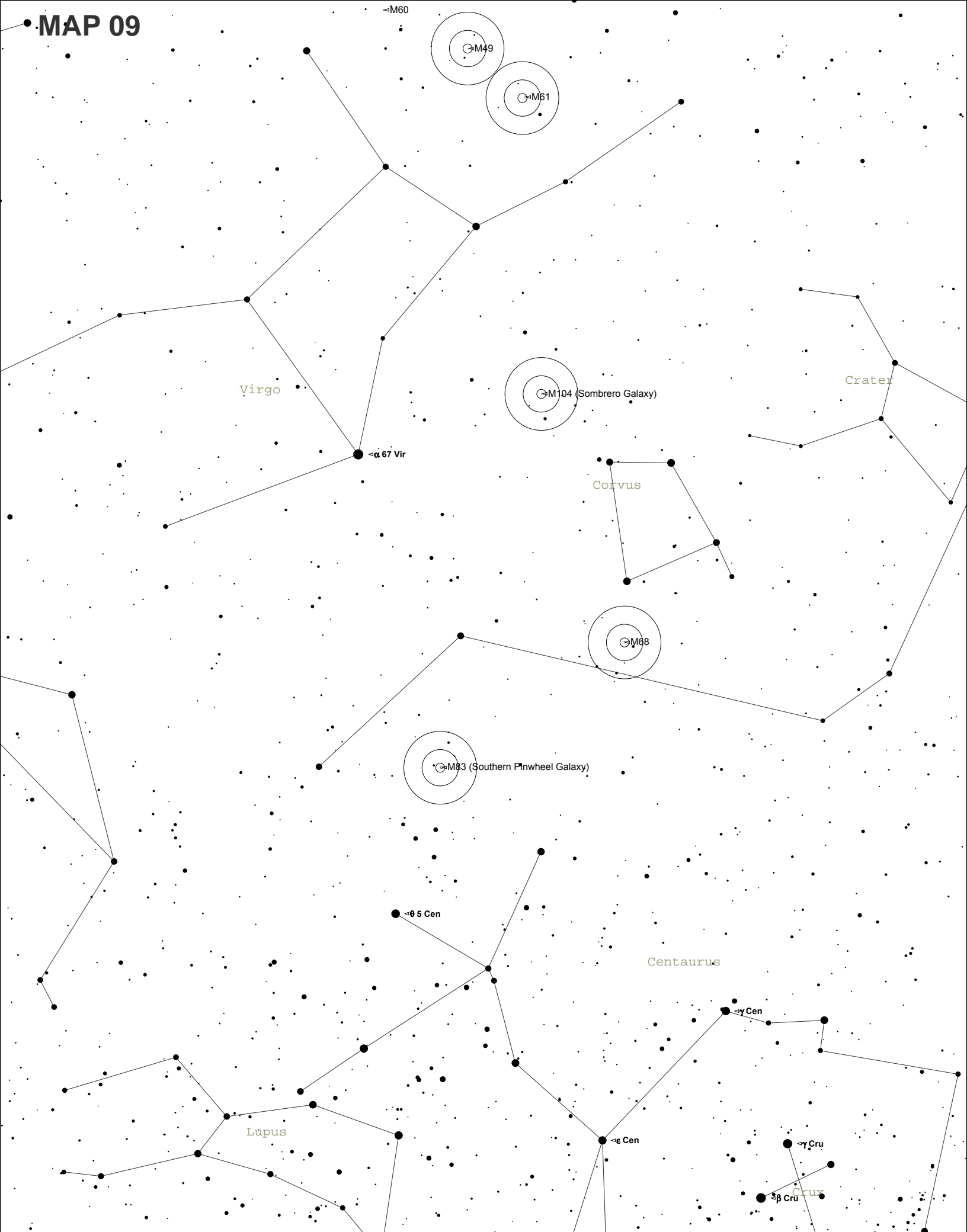
# MAP 07



# MAP 08



# MAP 09



# MAP 10

Corona Borealis

$\alpha$  5 CrB

$\alpha$  36 Boo

Boötes

$\alpha$  16 Boo

Serpens Caput

M5

M3

M53

$\beta$  27 Lib

Libra

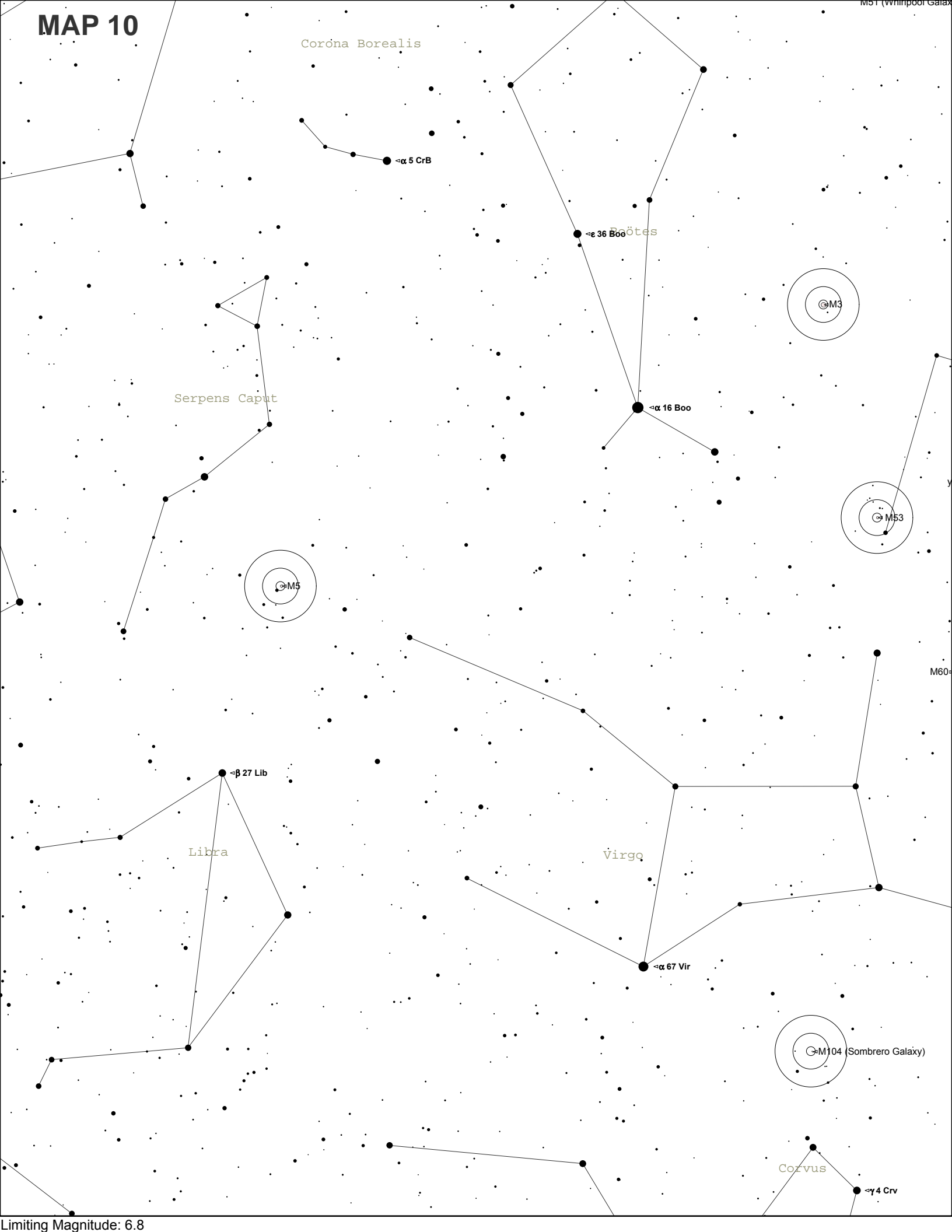
Virgo

$\alpha$  67 Vir

M104 (Sombrero Galaxy)

Corvus

$\gamma$  4 Crv





# MAP 11

