

Úvod

Publikace je určena astronomům amatérům zaměřujících se na pozorování objektů vzdáleného vesmíru (deep-sky objektů – dále jen DSO). Soubor map má sloužit zejména při praktickém pozorování k snadnému nalezení mlhovin, galaxií, hvězdokup a dalších slabých objektů. Byly zde zahrnuty nejzajímavější a nejkrásnější DSO severní polokoule mimo stelárních objektů.

Publikace je vhodná jak pro majitele malých přístrojů včetně triedrů, tak zde naleznou své i milovníci různých kuriozit a velmi slabých objektů určených pouze pro velké přístroje. V souboru jsou zahrnuty výběry z katalogu Messierova, Caldwellova, Herschell 400, objekty z „Deep Sky Challenge Objects List“ Kanadské Královské Astronomické Společnosti a mnoho dalších. *Deep Sky Objects 2007* obsahuje soubor map k více jak pěti stům objektům popsáných v rejstříku a dalším stovkám nepopsaných, které jsou zobrazeny na jednotlivých mapách.

Jasnou oblohu a spoustu zážitků při pozorování přeje

Miloš Hroch

Obsah

str.

Úvod	3
Obsah	4
Legenda k mapám	6
Mapové listy	7
Rejstříky	116

Obsah - rejstříky

str.

Úvod k rejstříkům	120
Dreyerova notace	121
Messierův katalog	124
Caldwellův katalog	126
RASC katalog	127
Souhrnná tabulka údajů k objektům	129
Převodní tabulka katalogů	143
Česká a anglická jména objektů	148

Obsah - souhvězdí

<i>latinský název</i>	<i>str.</i>	<i>český název</i>	<i>str.</i>
Andromeda	7	Andromeda	7
Aquila	9	Beran	14
Aquarius	11	Blíženci	54
Aries	14	Býk	103
Auriga	15	Delfín	46
Bootes	17	Drak	48
Camelopardalis	18	Had	95
Capricornus	20	Hadonoš	73
Cassiopeia	21	Havran	38
Cepheus	24	Herkules	56
Cetus	27	Honák	17
Canis Maior	30	Honící psi	39
Cancer	32	Hydra	58
Coma Berenices	34	Jednorožec	71
Corona Borealis	37	Ještěrka	61
Corvus	38	Kasiopea	21
Canes Venatici	39	Kefeus	24

<i>latinský název</i>	<i>str.</i>	<i>český název</i>	<i>str.</i>
Cygnus	42	Kozoroh	20
Delphinus	46	Labuť	42
Draco	48	Lev	62
Eridanus	50	Lištička	114
Fornax	52	Lodní zád'	88
Gemini	54	Lyra	69
Hercules	56	Malá medvědice	110
Hydra	58	Orel	9
Lacerta	61	Orion	77
Leo	62	Panna	111
Lepus	64	Pec	52
Libra	66	Pegas	79
Lynx	67	Perseus	83
Lyra	69	Rak	32
Monoceros	71	Ryby	86
Ophiuchus	73	Rys	67
Orion	77	Řeka Eridanus	50
Pegasus	79	Severní koruna	37
Perseus	83	Sextant	98
Pisces	86	Sochař	90
Puppis	88	Střelec	100
Sculptor	90	Šíp	99
Scorpius	92	Štír	92
Scutum	94	Štít	94
Serpens	95	Trojúhelník	105
Sextans	98	Váhy	66
Sagitta	99	Velká medvědice	106
Sagittarius	100	Velký pes	30
Taurus	103	Velryba	27
Triangulum	105	Vlasy Bereniky	34
Ursa Maior	106	Vodnář	11
Ursa Minor	110	Vozka	15
Virgo	111	Zajíc	64
Vulpecula	114	Žirafa	18

Vysvětlivky

Zdánlivá hvězdná velikost (pole 15x10°)



Limitní magnitudy hvězd

zorné pole 90x62°	5,5 mag.
zorné pole 15x10°	10 mag.
zorné pole 1°	13 mag.

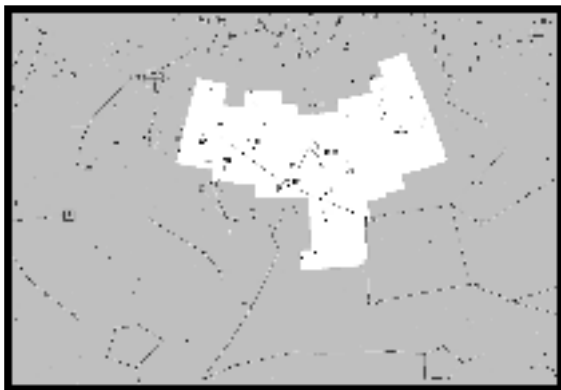
Symbole objektů

- galaxie
- otevřená hvězdokupa
- kulová hvězdokupa
- planetární mlhovina
- mlhovina (difuzní, emisní)
- hvězdokupa s mlhovinou
- mlhovina identifikovaná jako hvězda

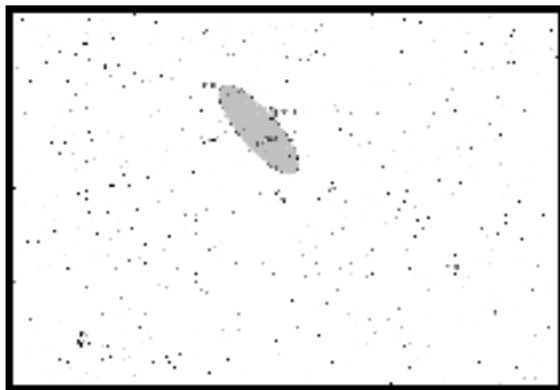
Limitní magnitudy DSO

Na podrobných mapách (zorné pole 15x10°) jsou ve většině případů vyobrazeny objekty do 13 magnitudy.

Mapy



Přehledná mapa
Zorné pole 90° x 62°

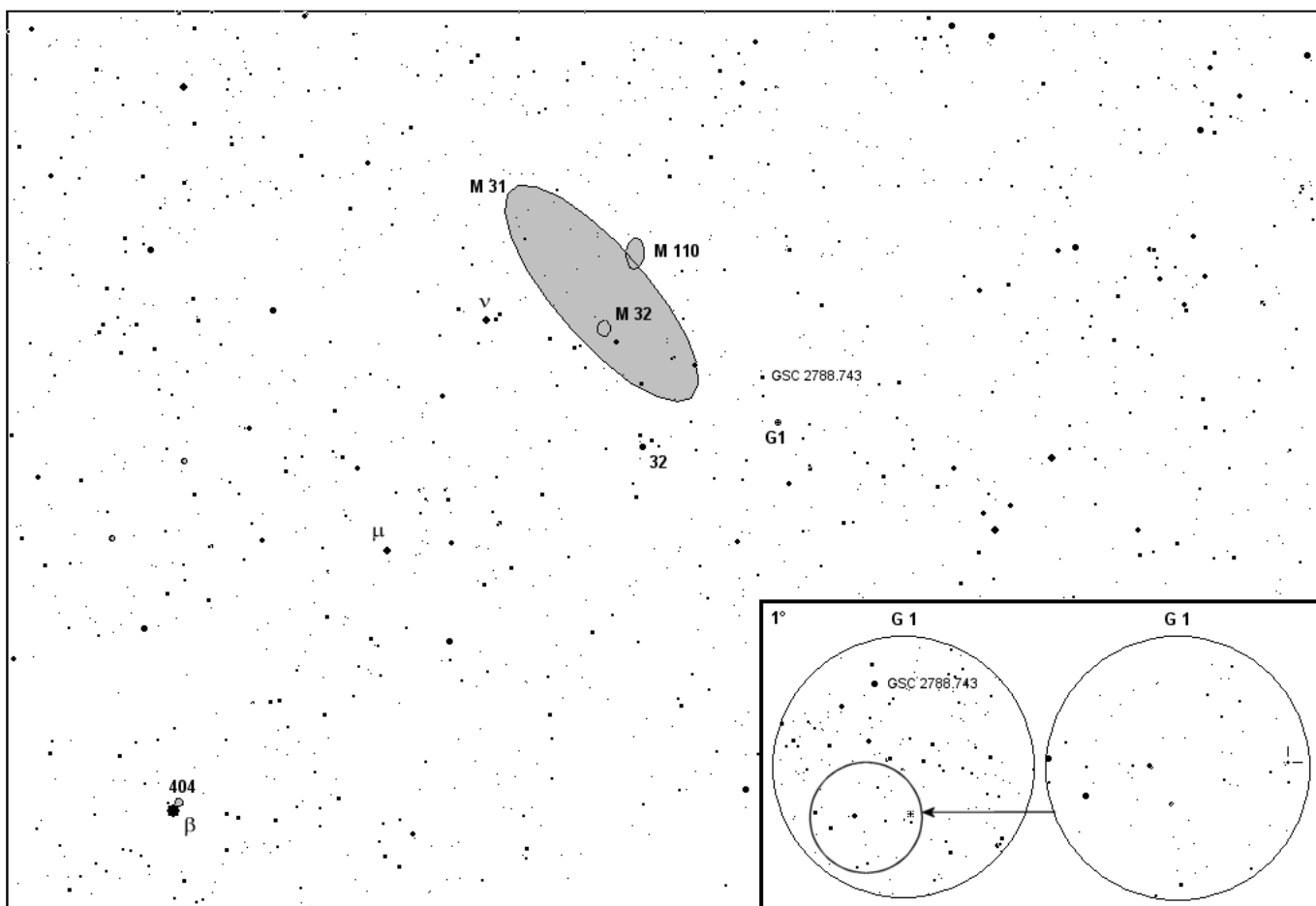
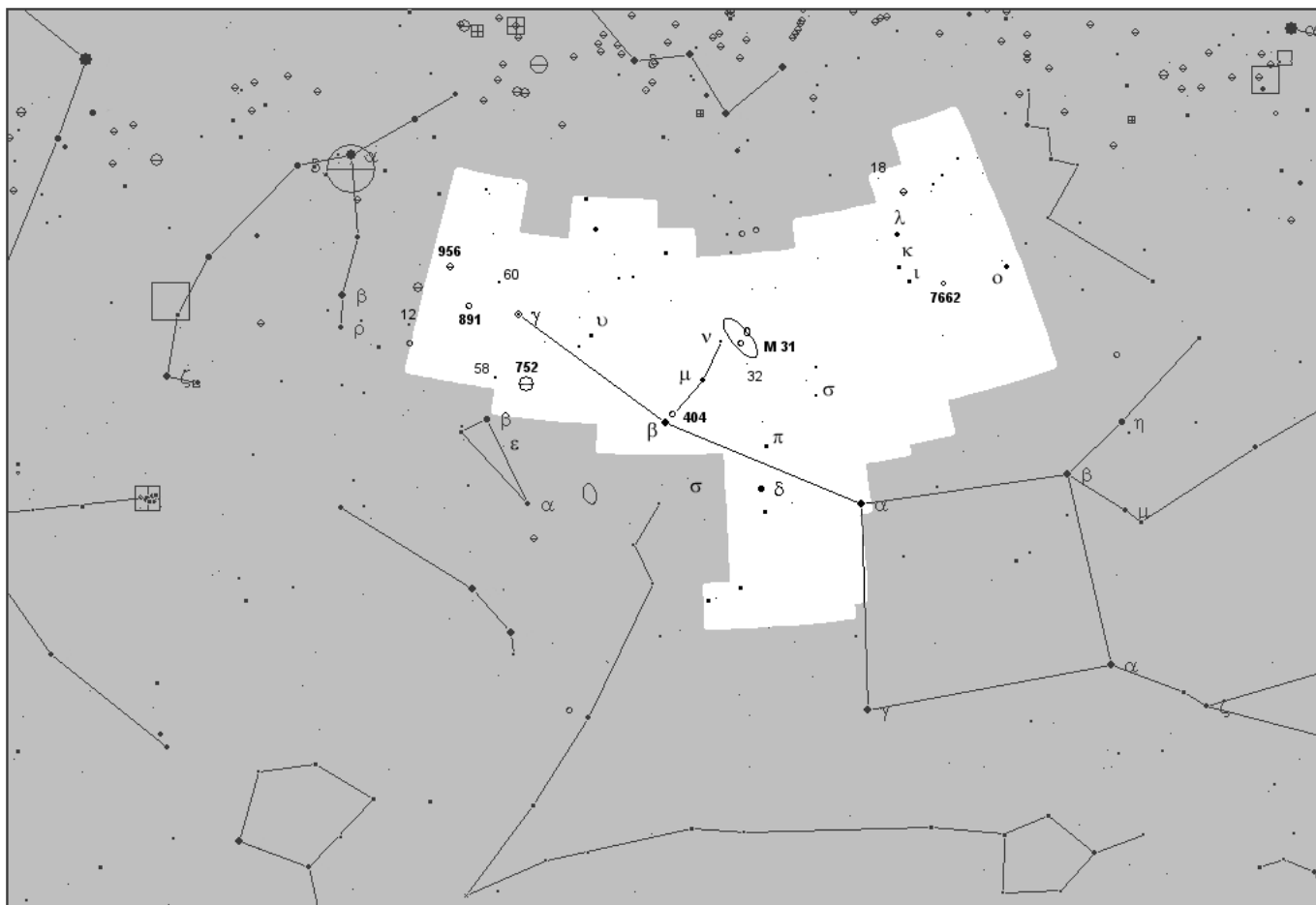


Podrobná mapa
Zorné pole 15° x 10°

Jednotlivé mapové listy jsou řazeny abecedně, dle latinských zkratk názvů souhvězdí.

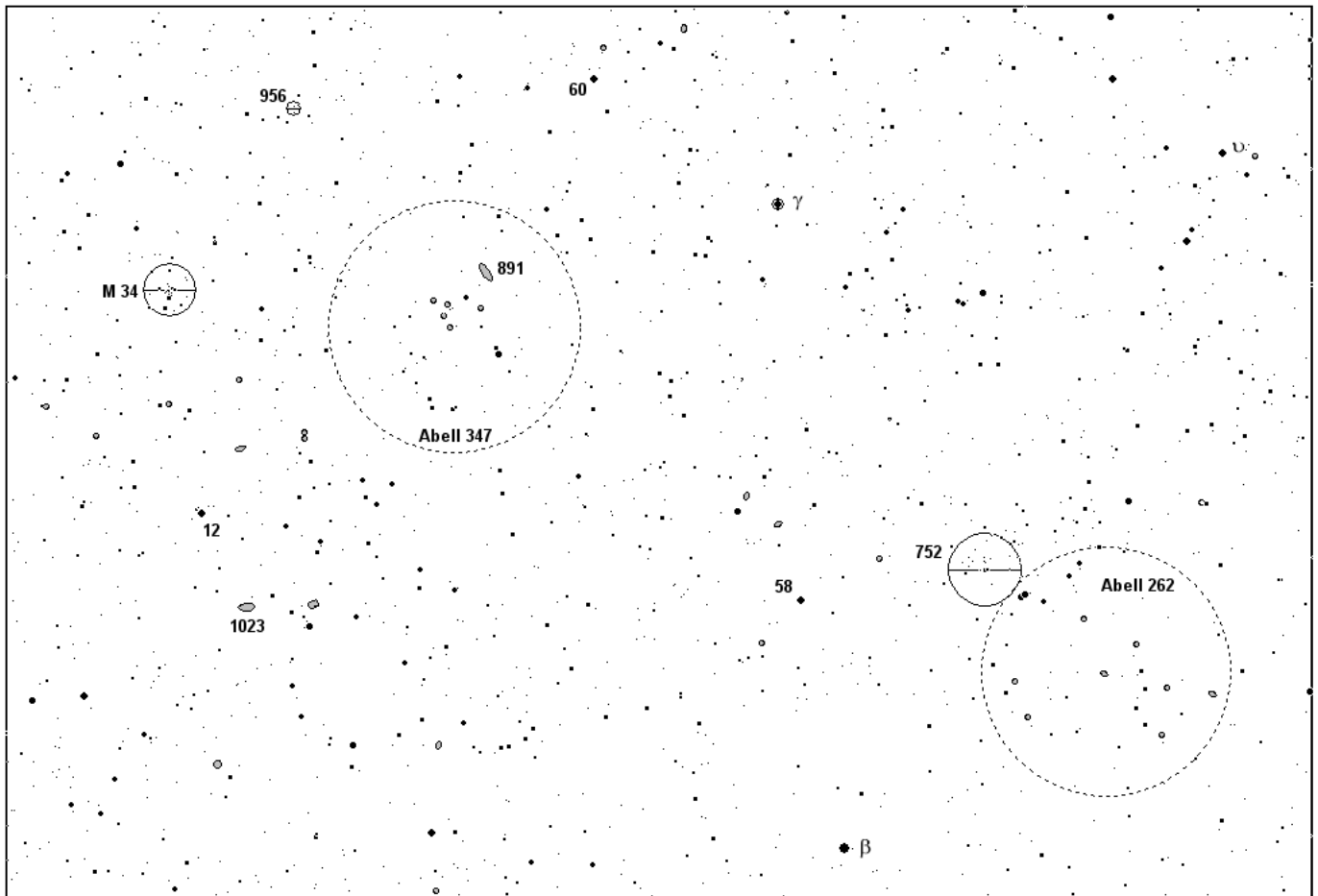
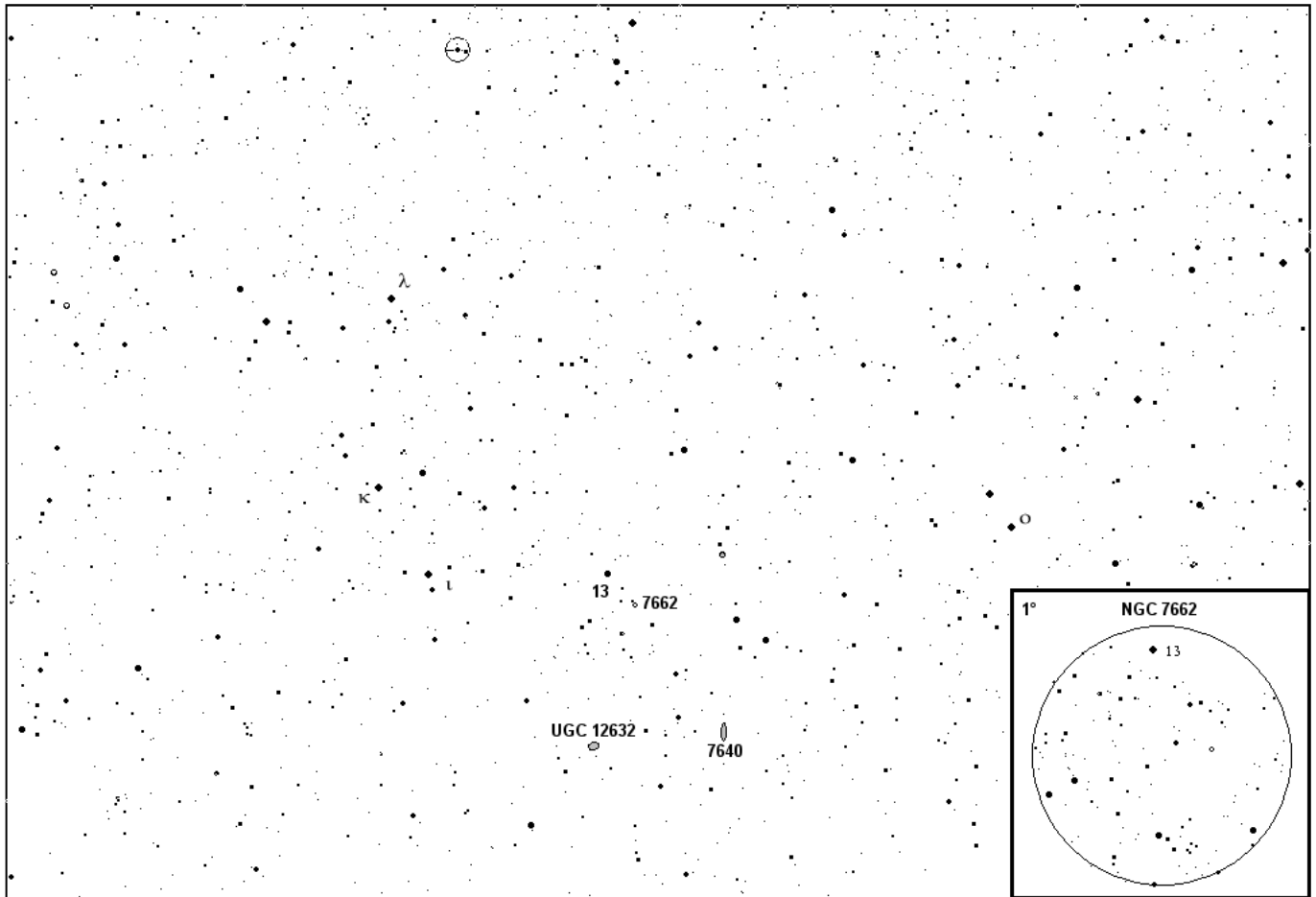
Z důvodu větší přehlednosti map a úspory místa, jsou objekty z New General Catalog značeny pouze svým katalogovým číslem bez předpony NGC. U všech ostatních objektů je použita zkratka katalogu, případně jeho celý název a katalogové číslo, např. M 56, IC 5070, Cr 36, Harvard 20, atd.

Andromeda

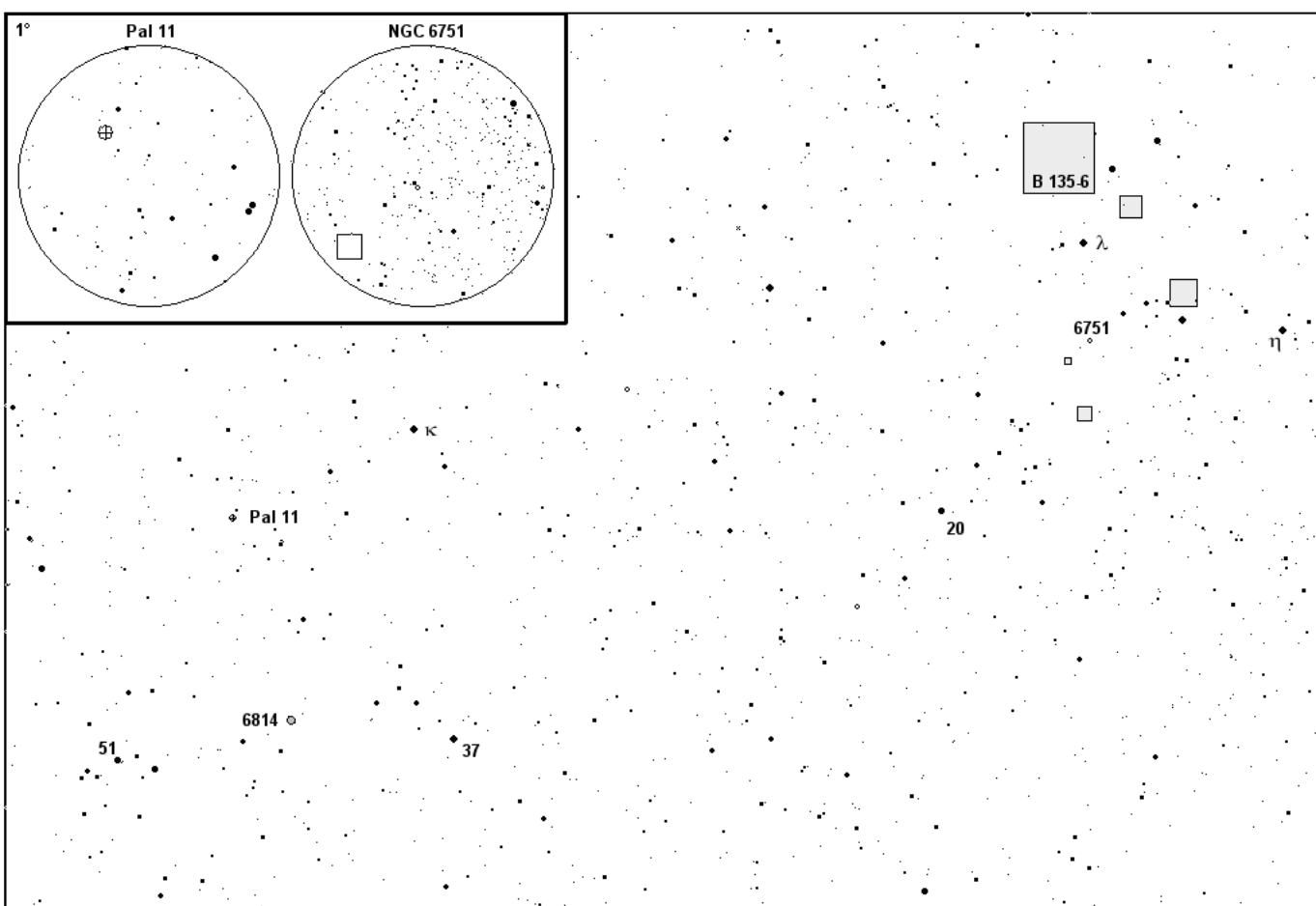
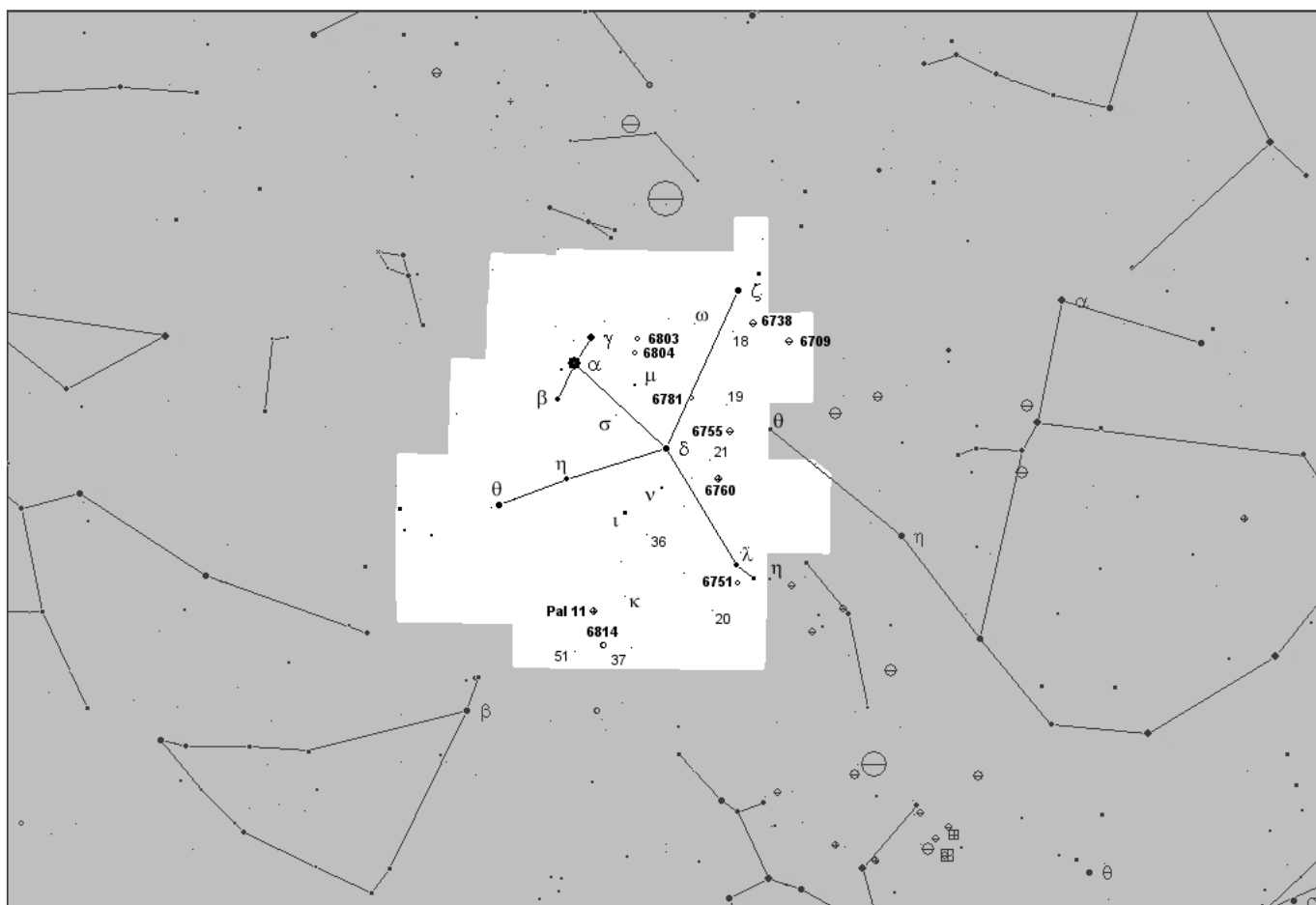


M 31, M 32, M 110 / NGC 404 / G1

Andromeda



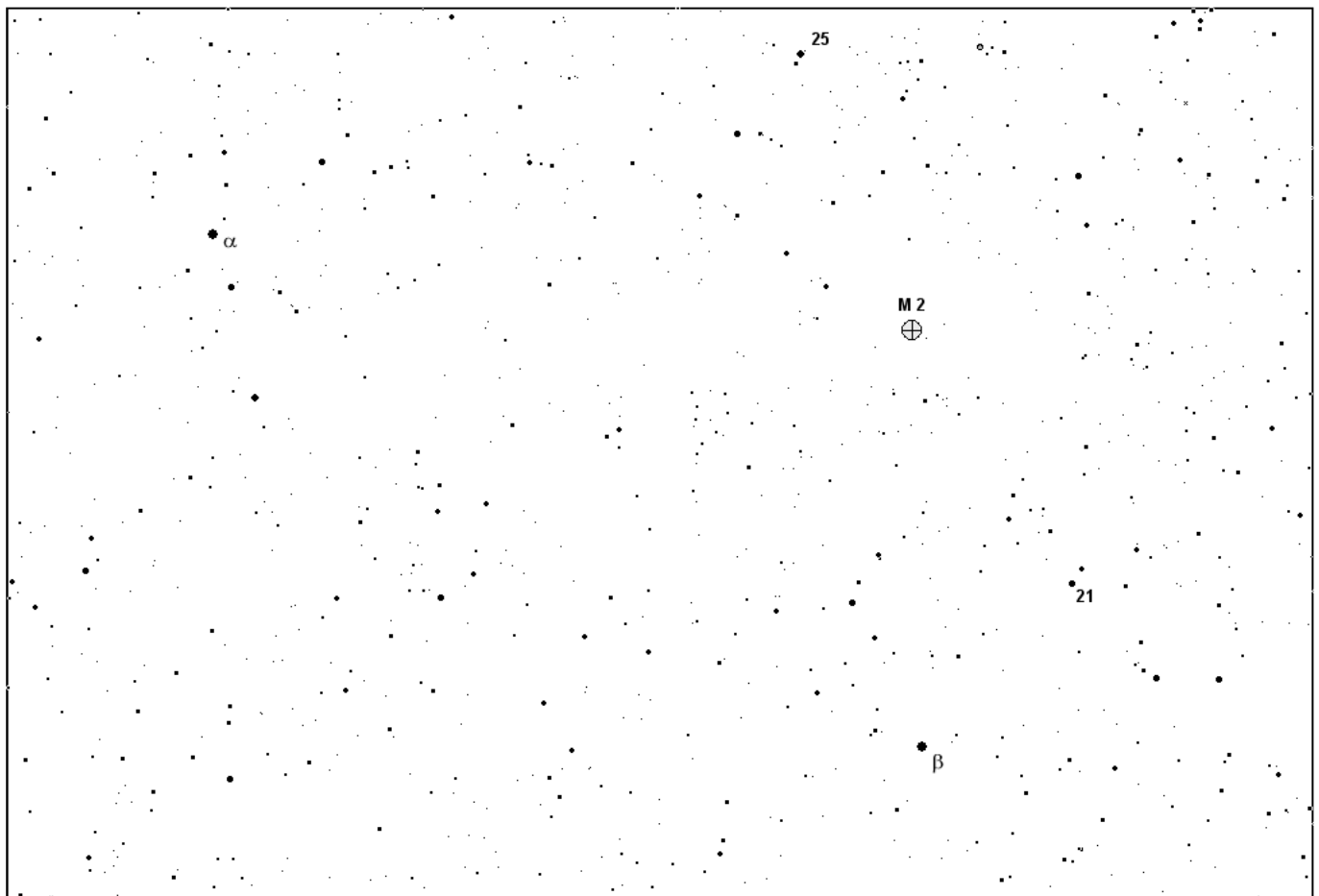
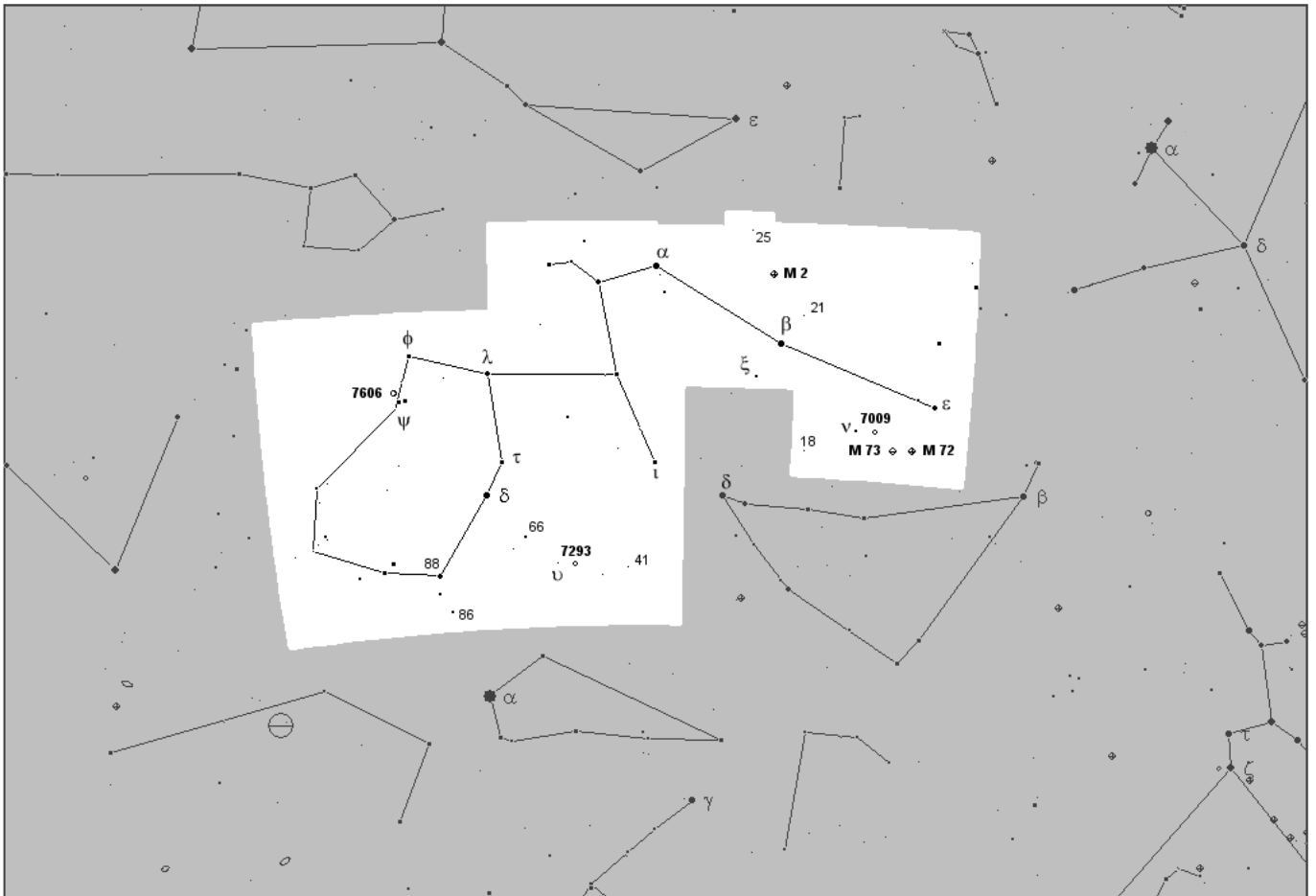
NGC 7662, 7640 / UGC 12632
M 34 / NGC 752, 891, 956, 1023 / Abell 262, 347



NGC 6751, 6814 / Pal 11 / B 135-6

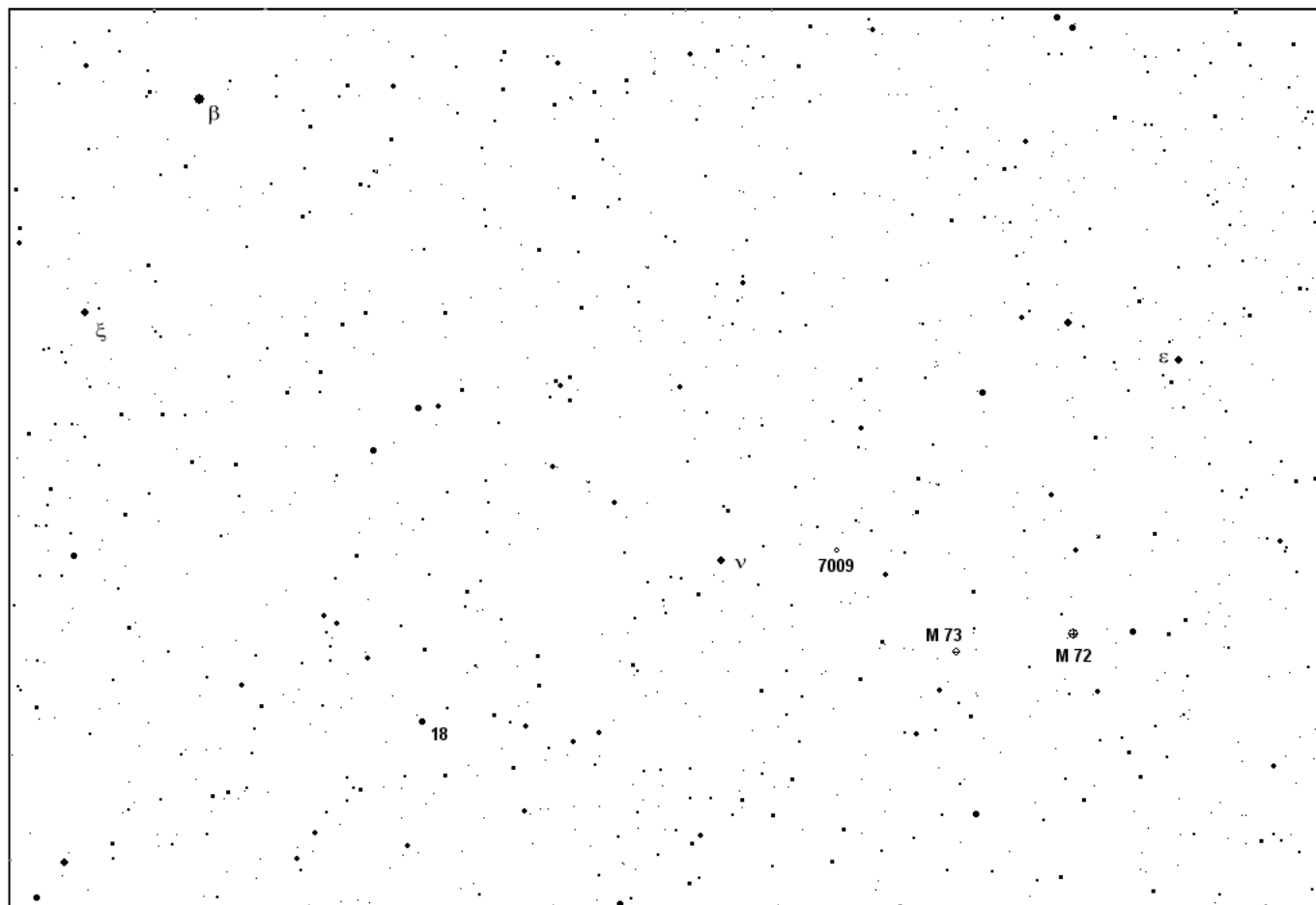
10

Aquarius - Vodnář

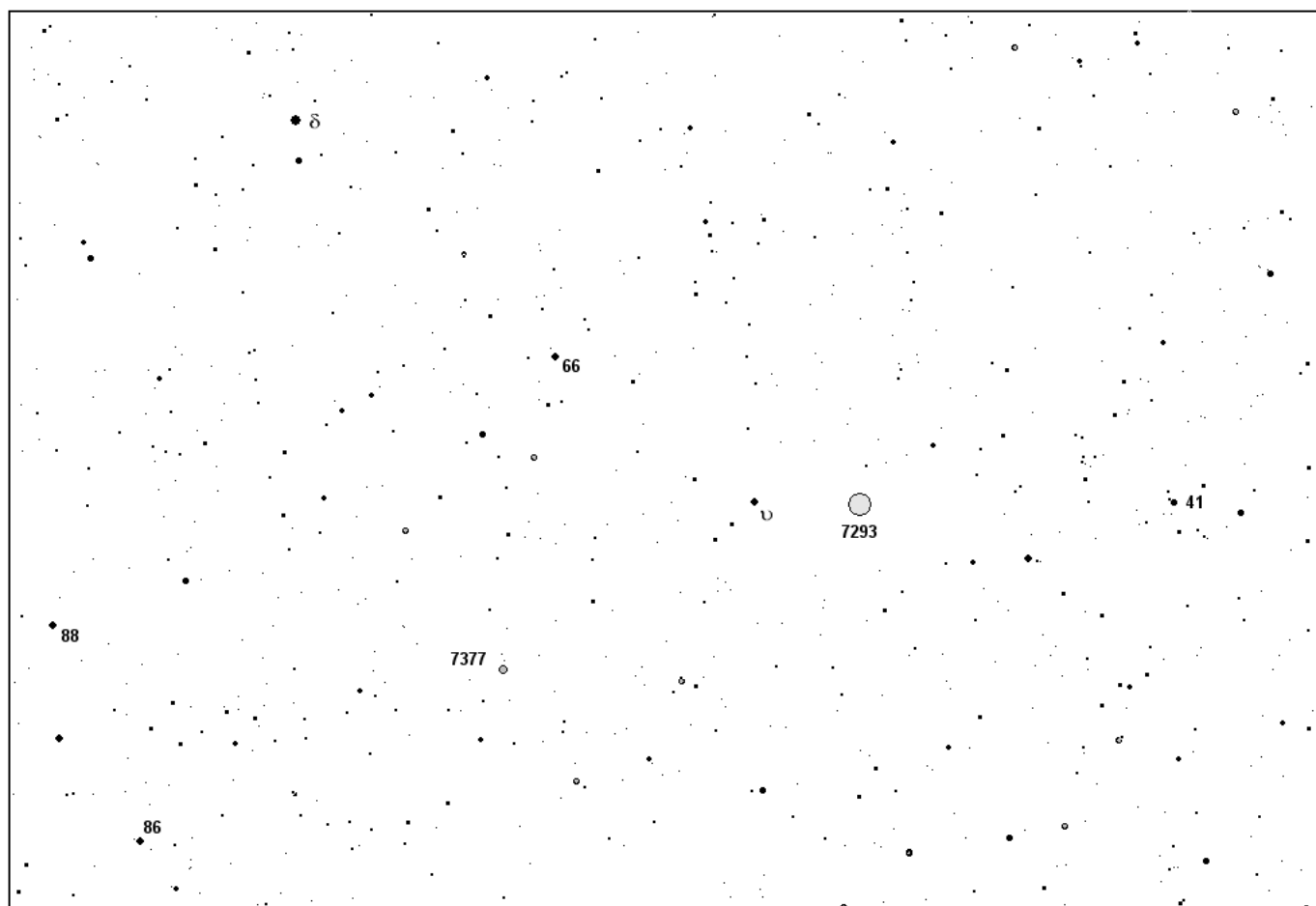


M 2

Aquarius - Vodnář

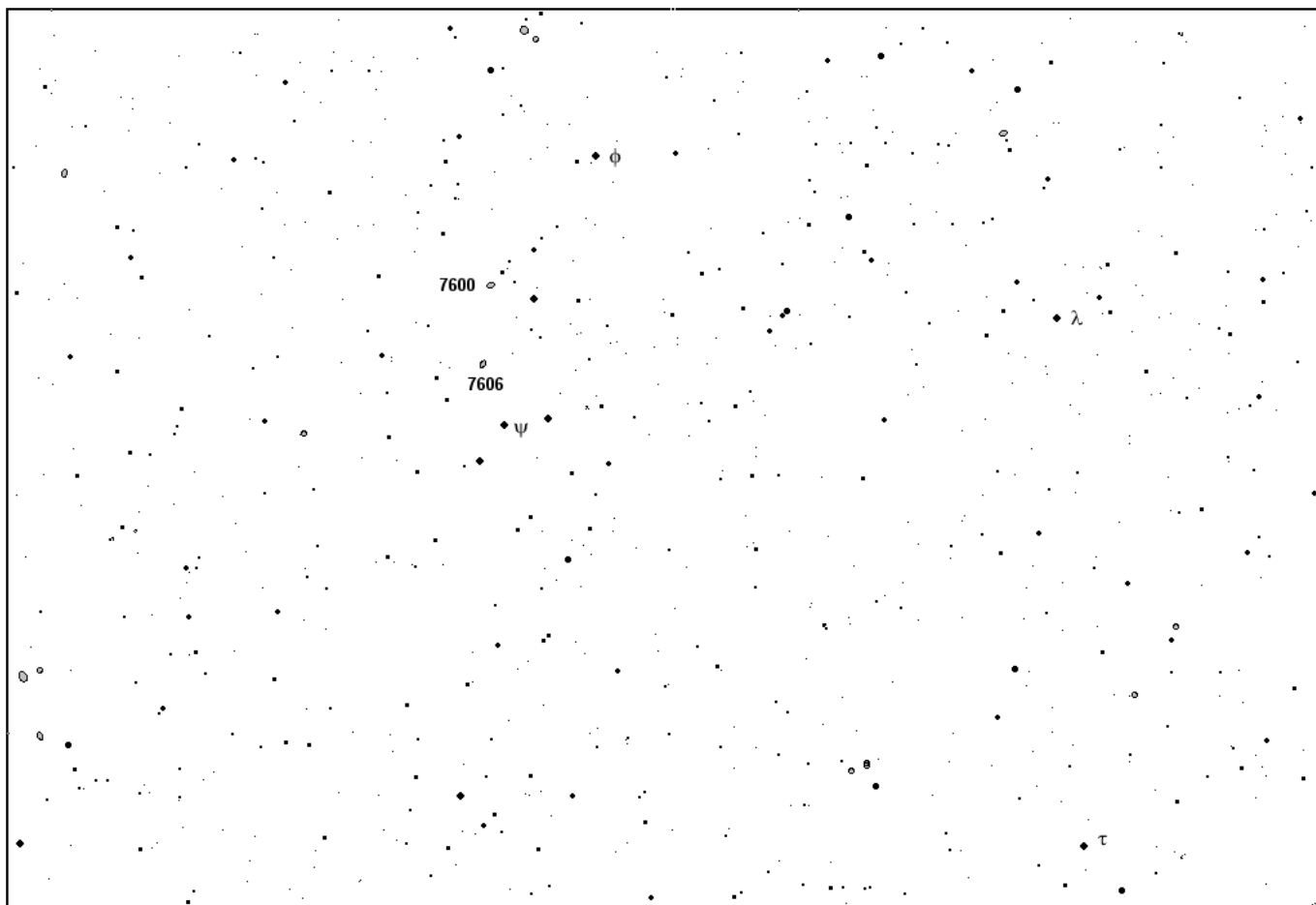


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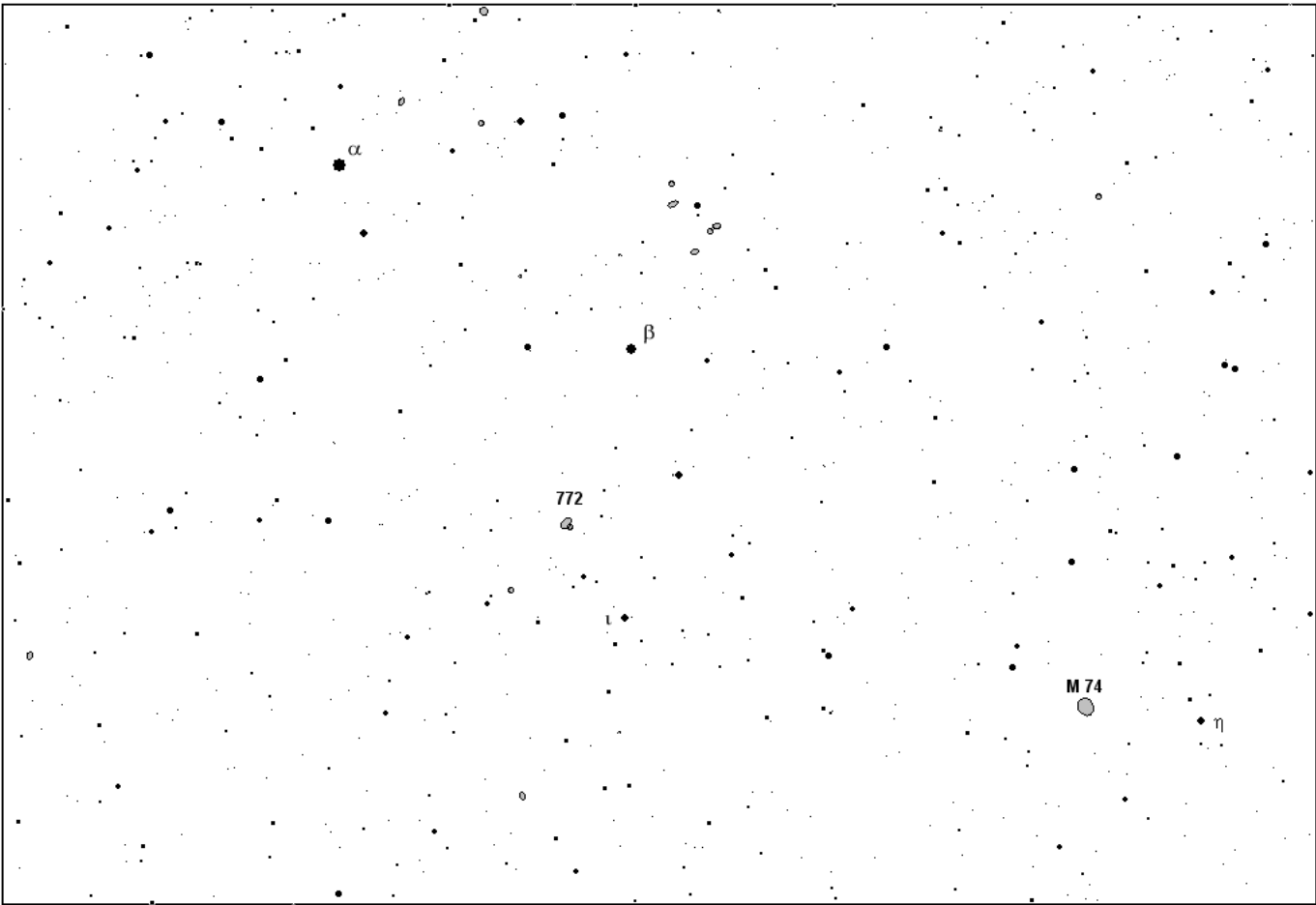
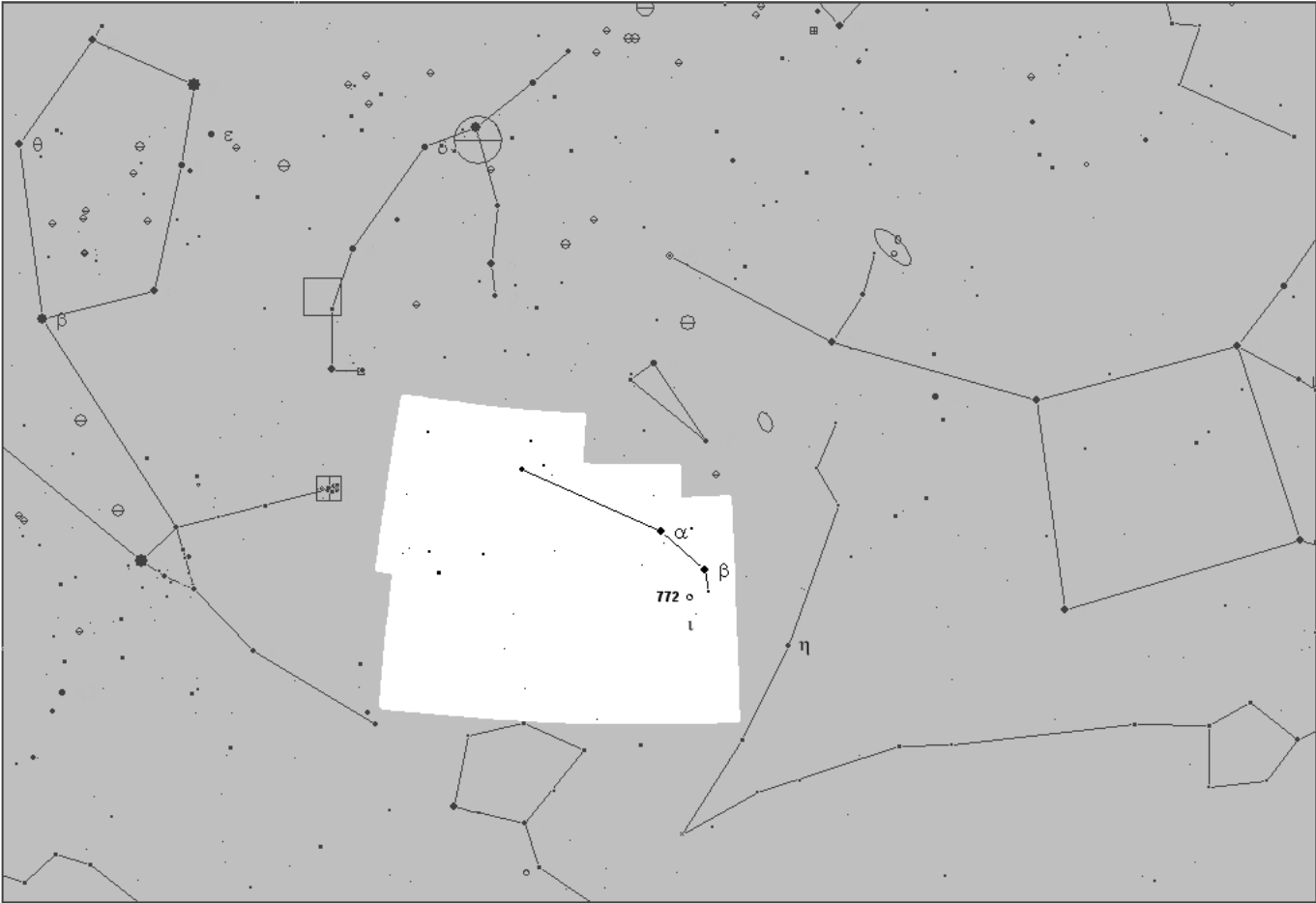
MI

M 72, M 73 / NGC 7009
NGC 7293, 7377

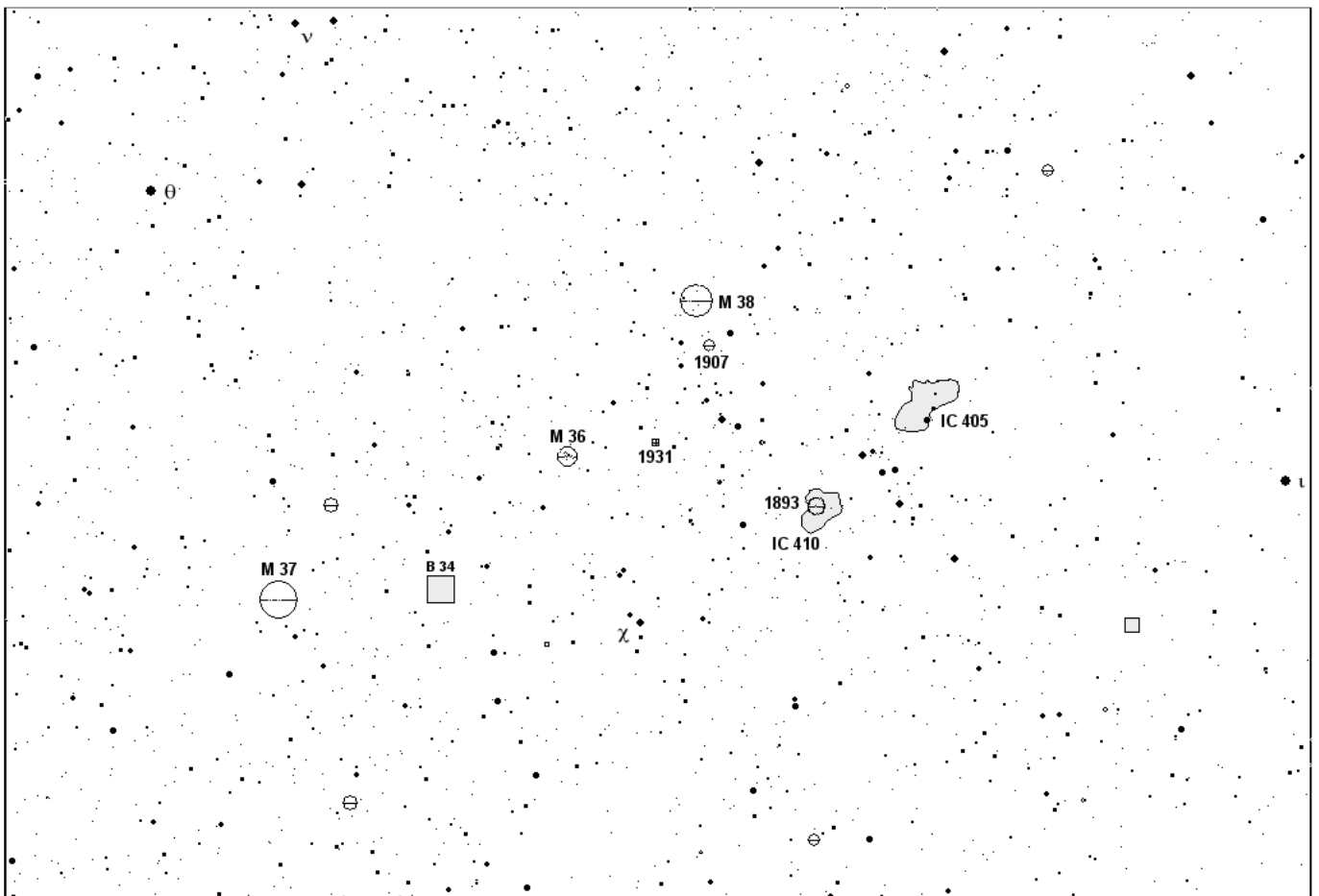
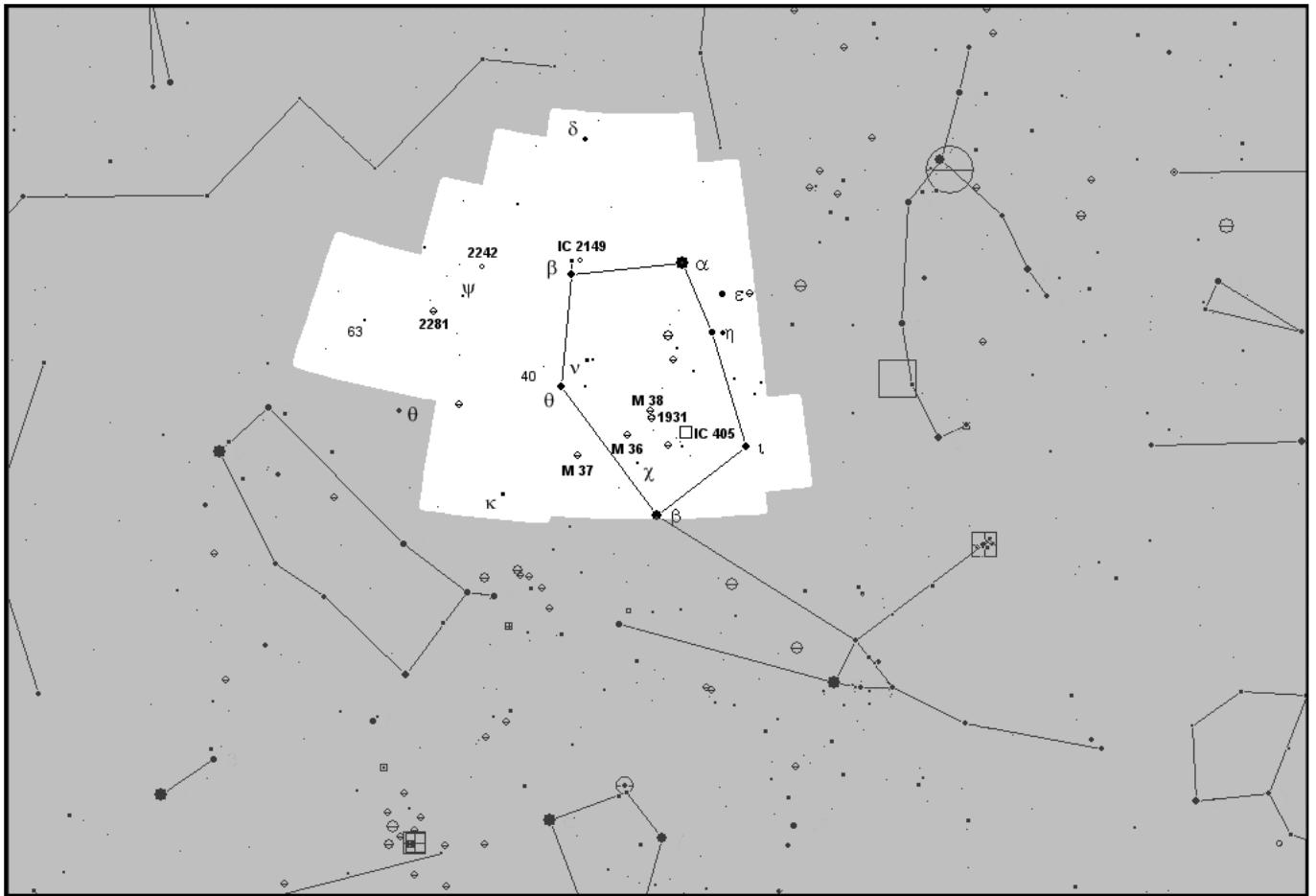


NGC 7600, 7606

Aries - Beran

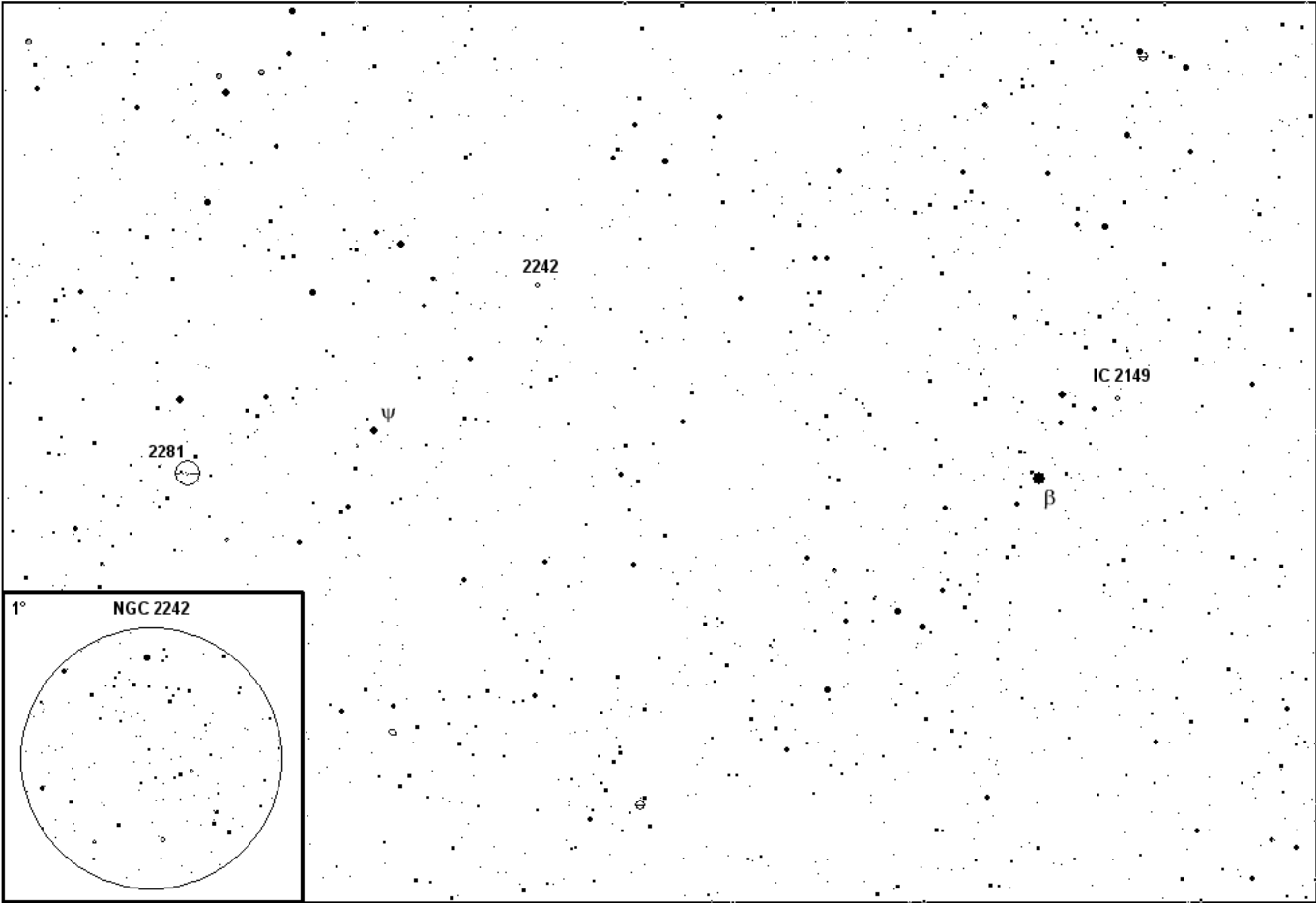


M 74 / NGC 772



M 36, 37, 38 / NGC 1893, 1907, 1931 / IC 405, 410 / B 34

Auriga - Vozka

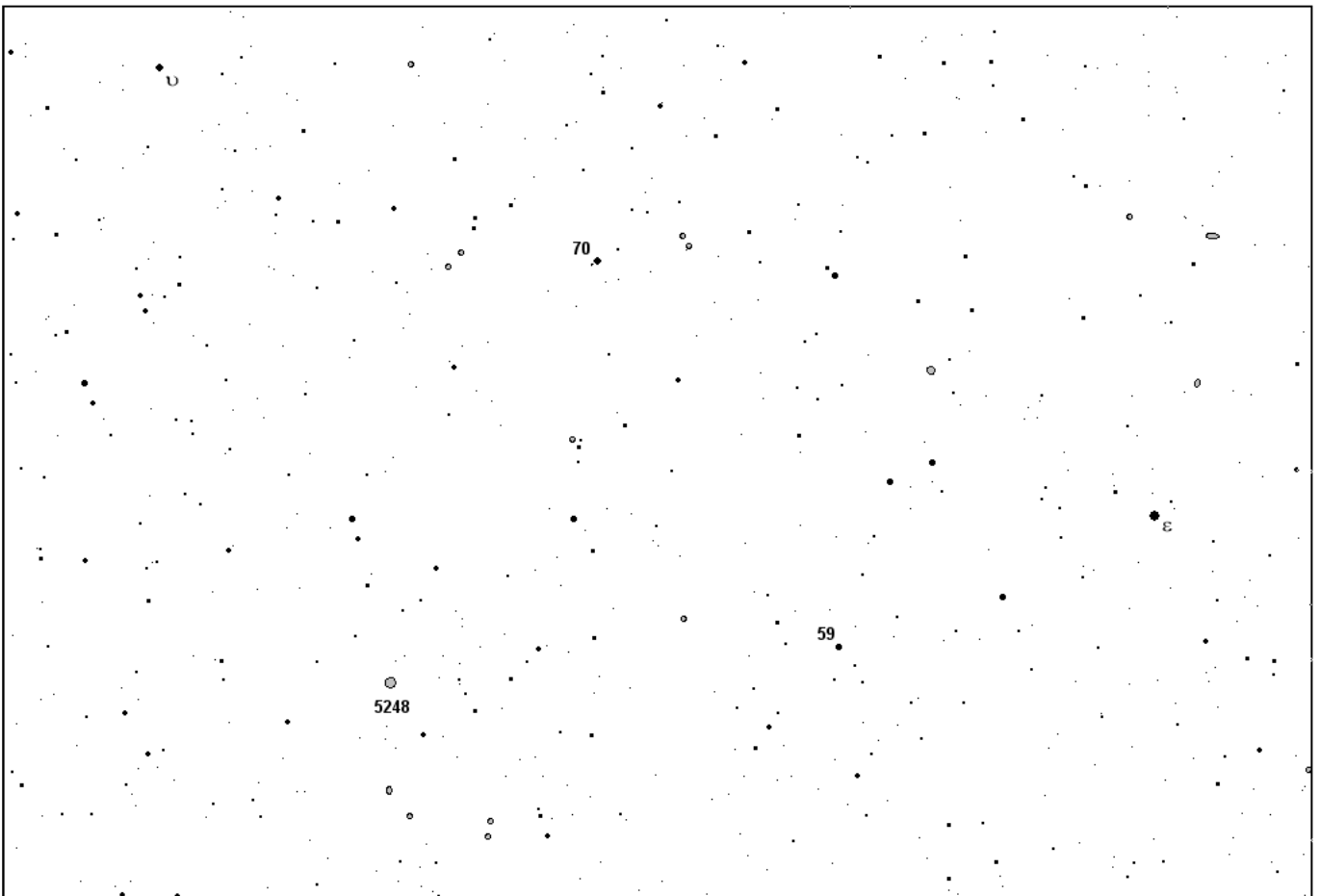
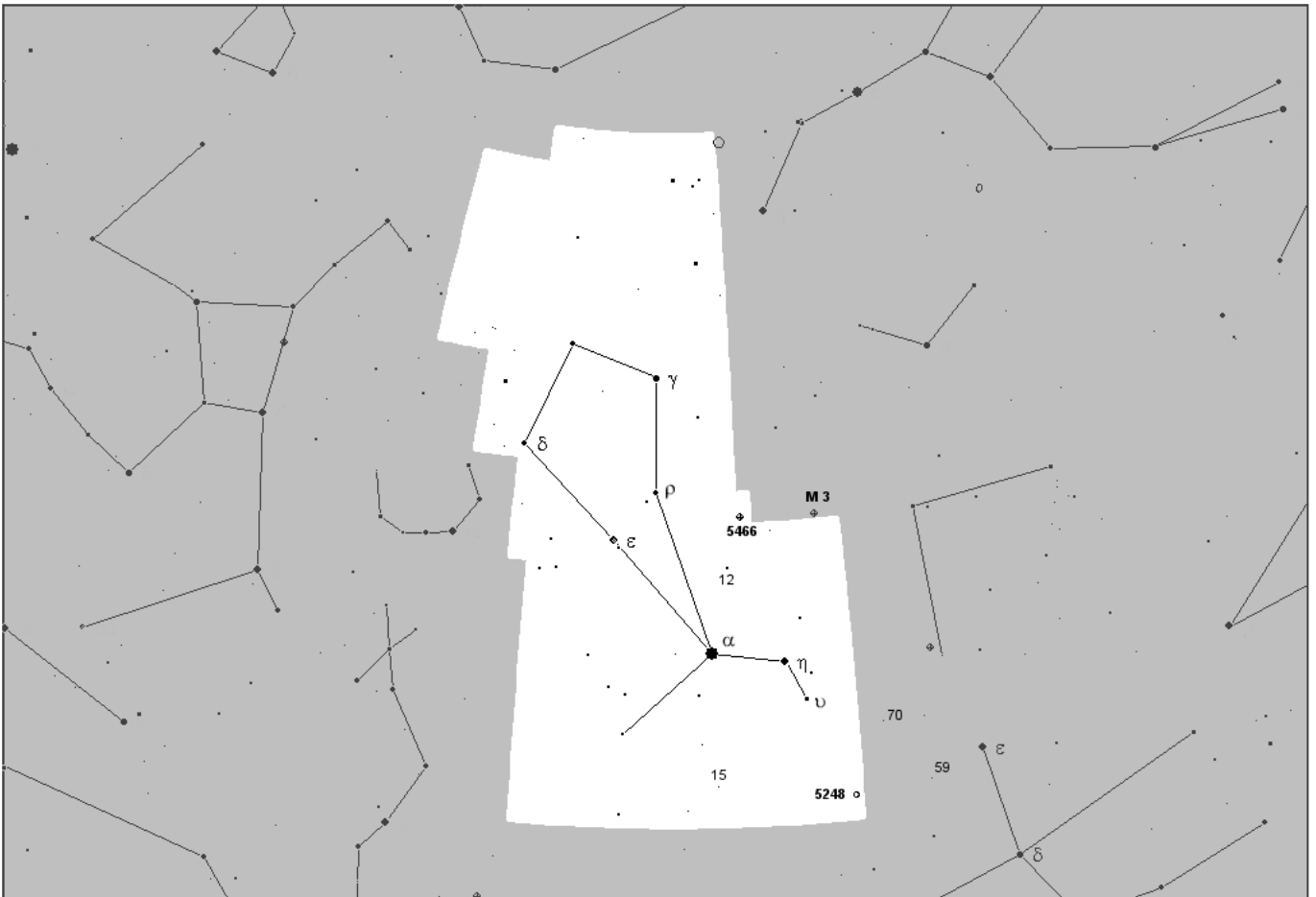


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NGC 2242, 2281 / IC 2149

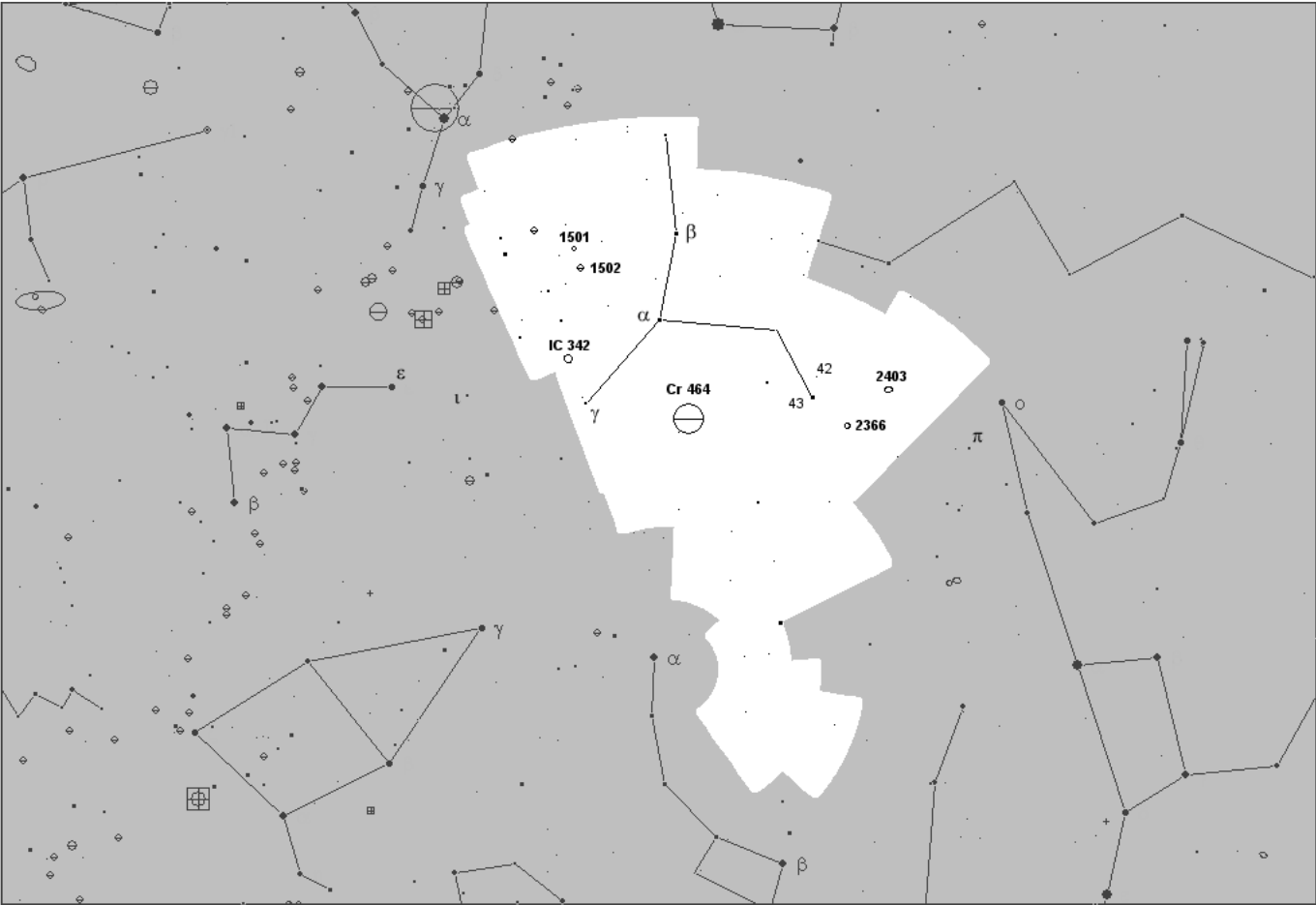
MI

Bootes - Pastevec

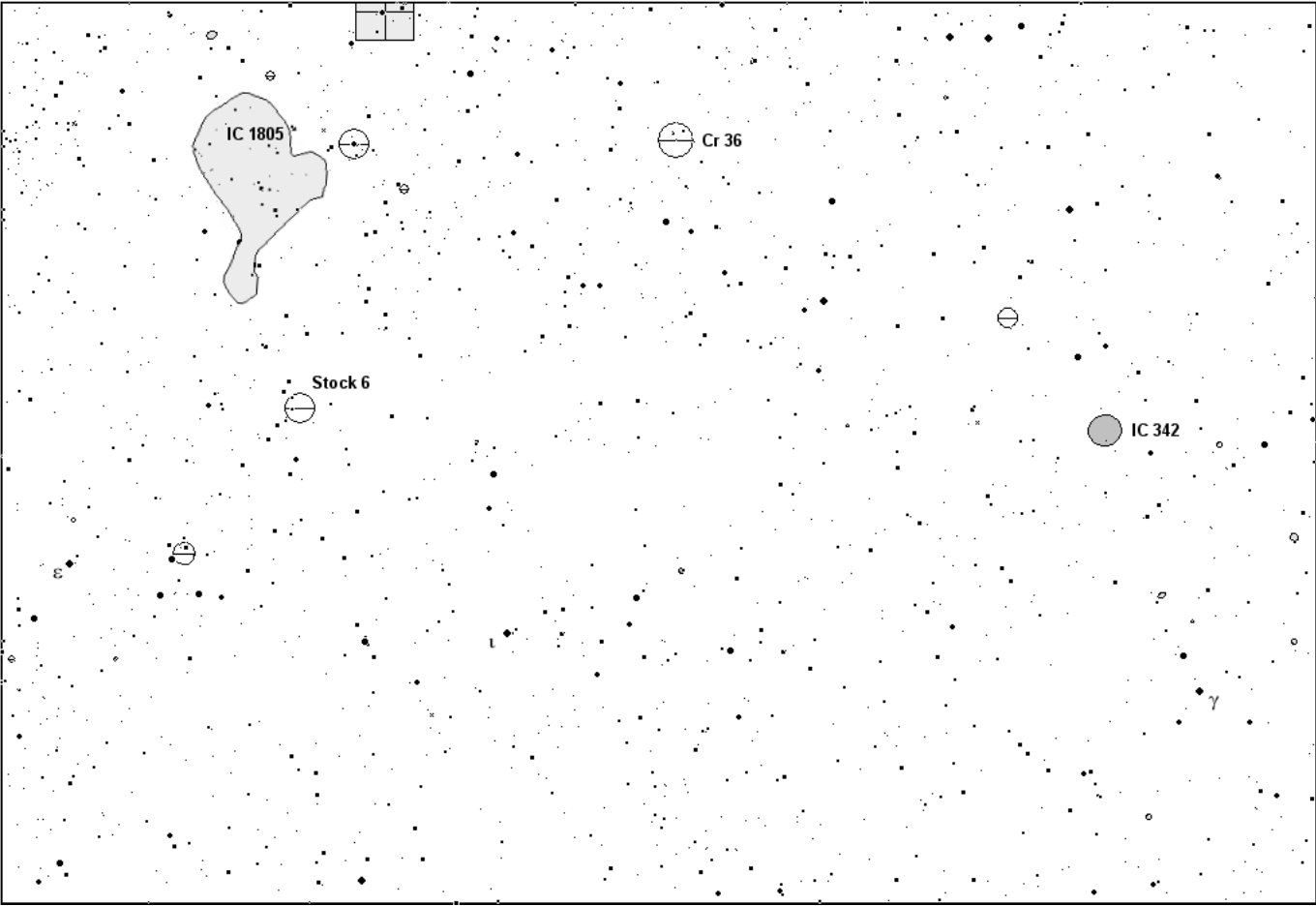


NGC 5248

Camelopardalis - Žirafa

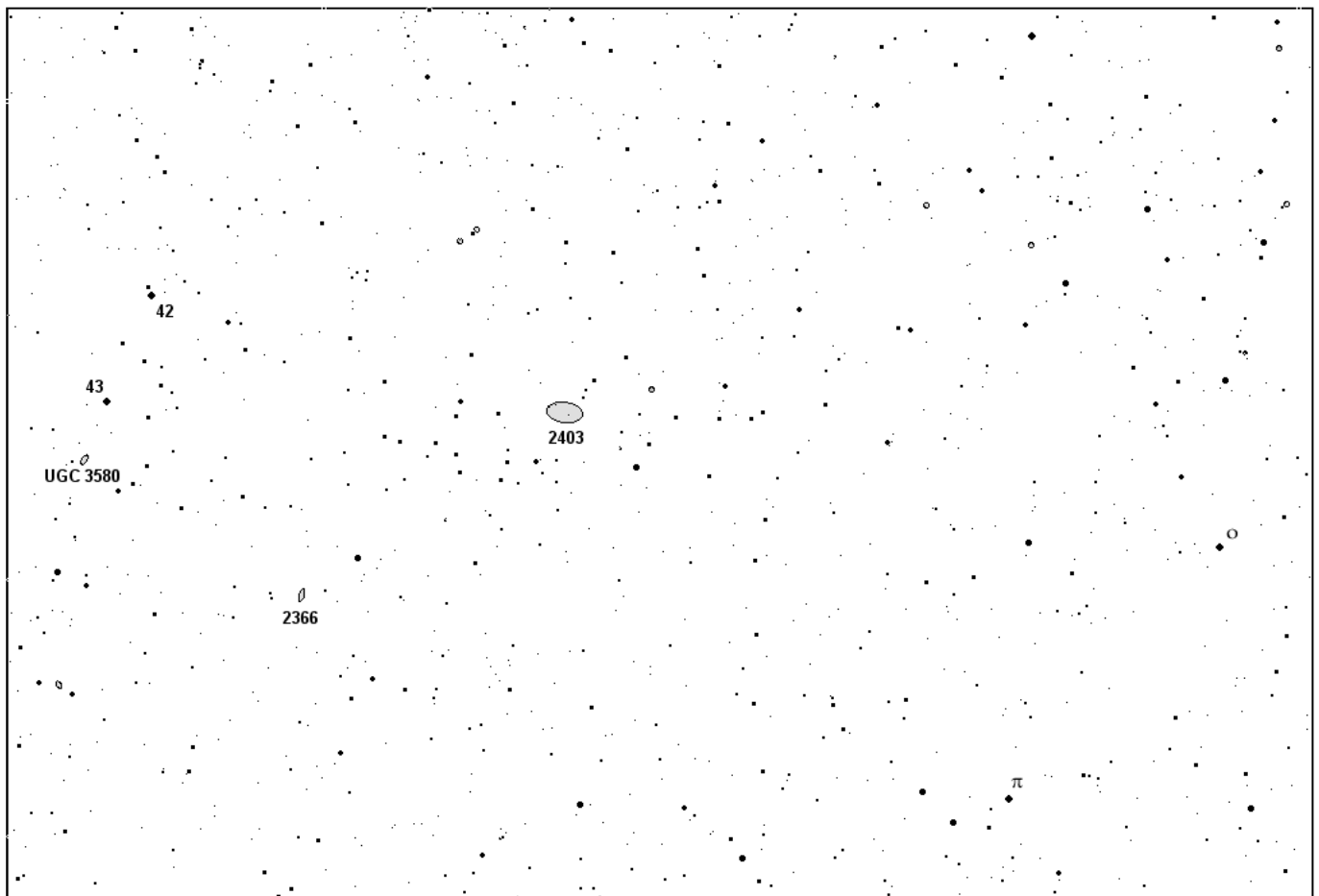
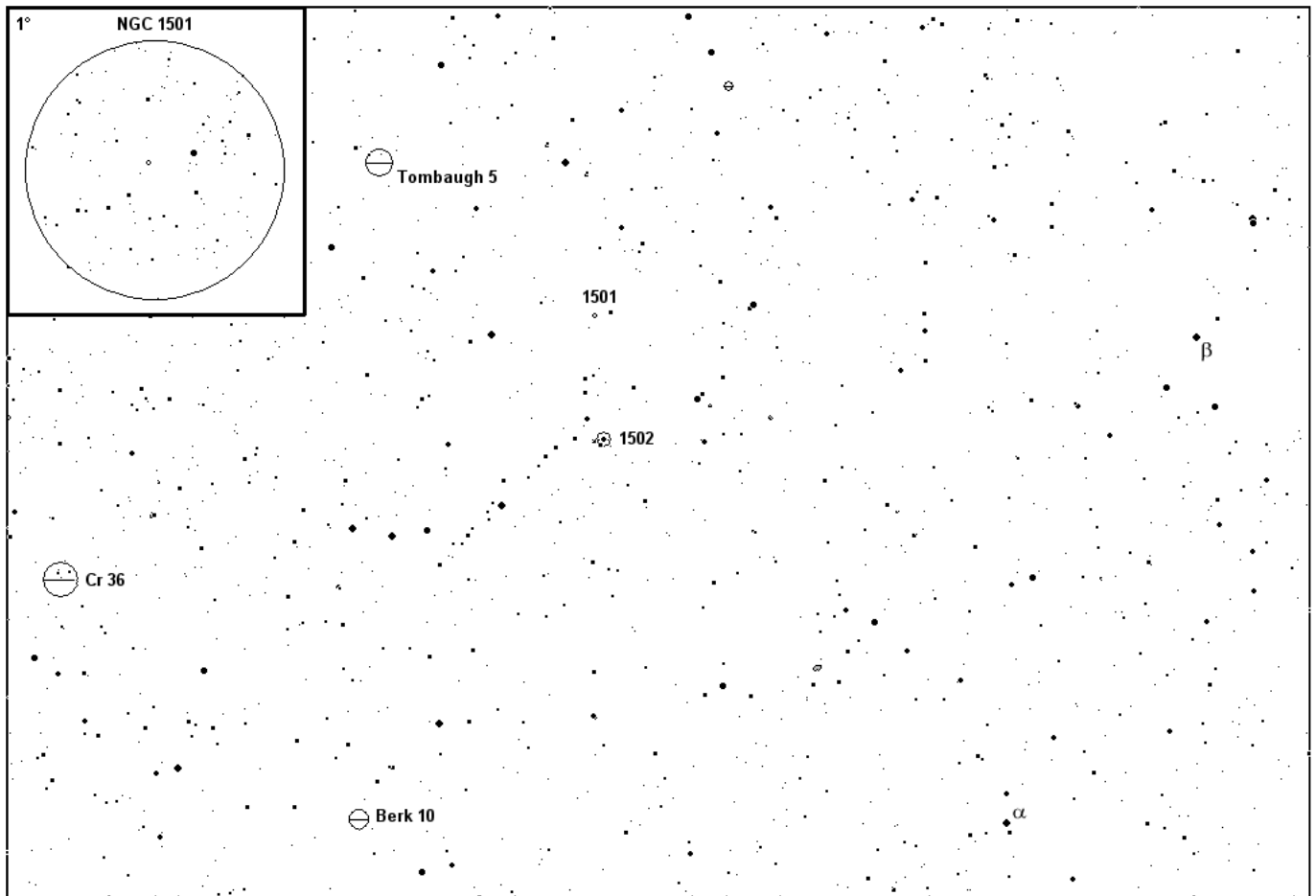


Deep Sky Atlas 2007



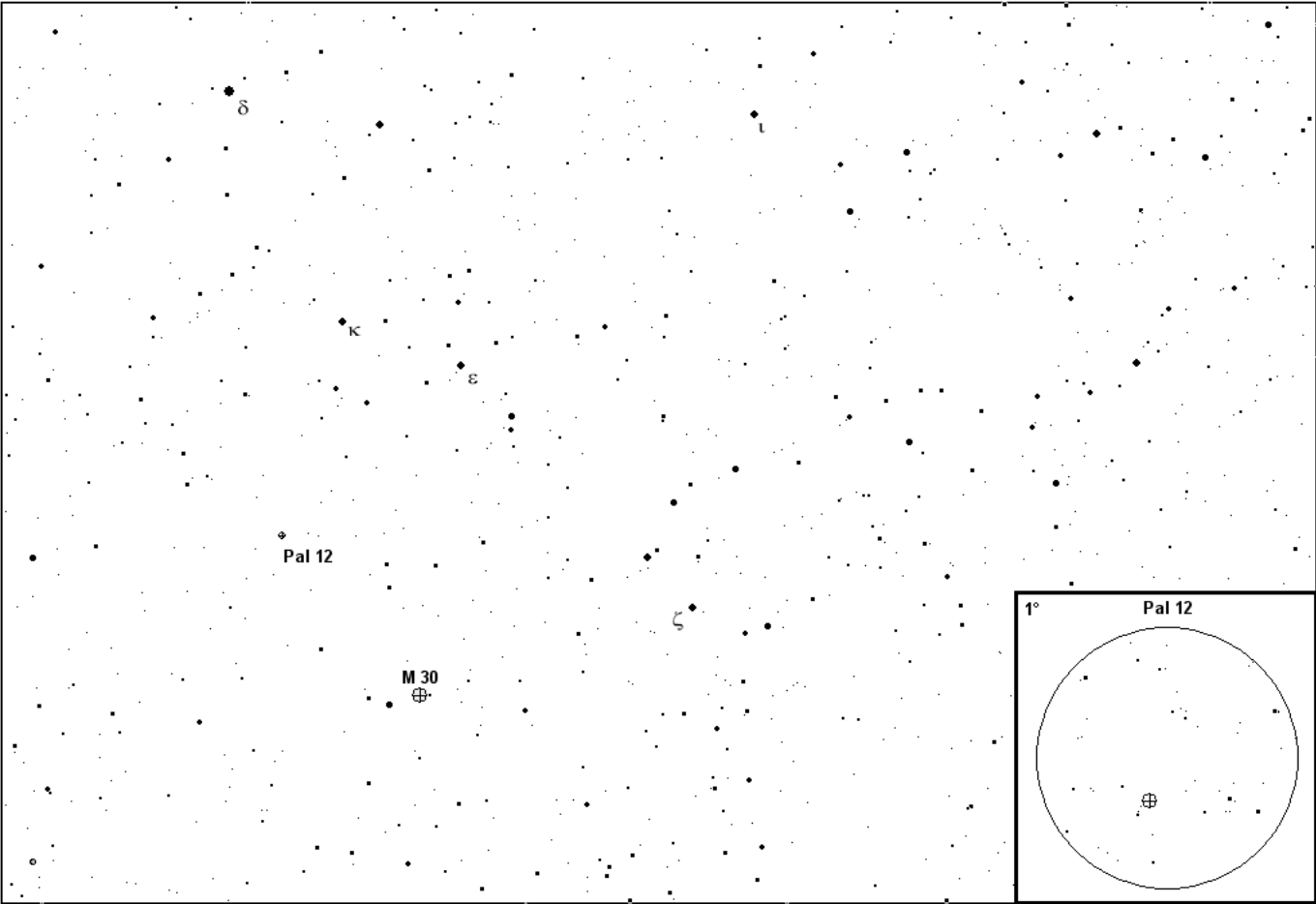
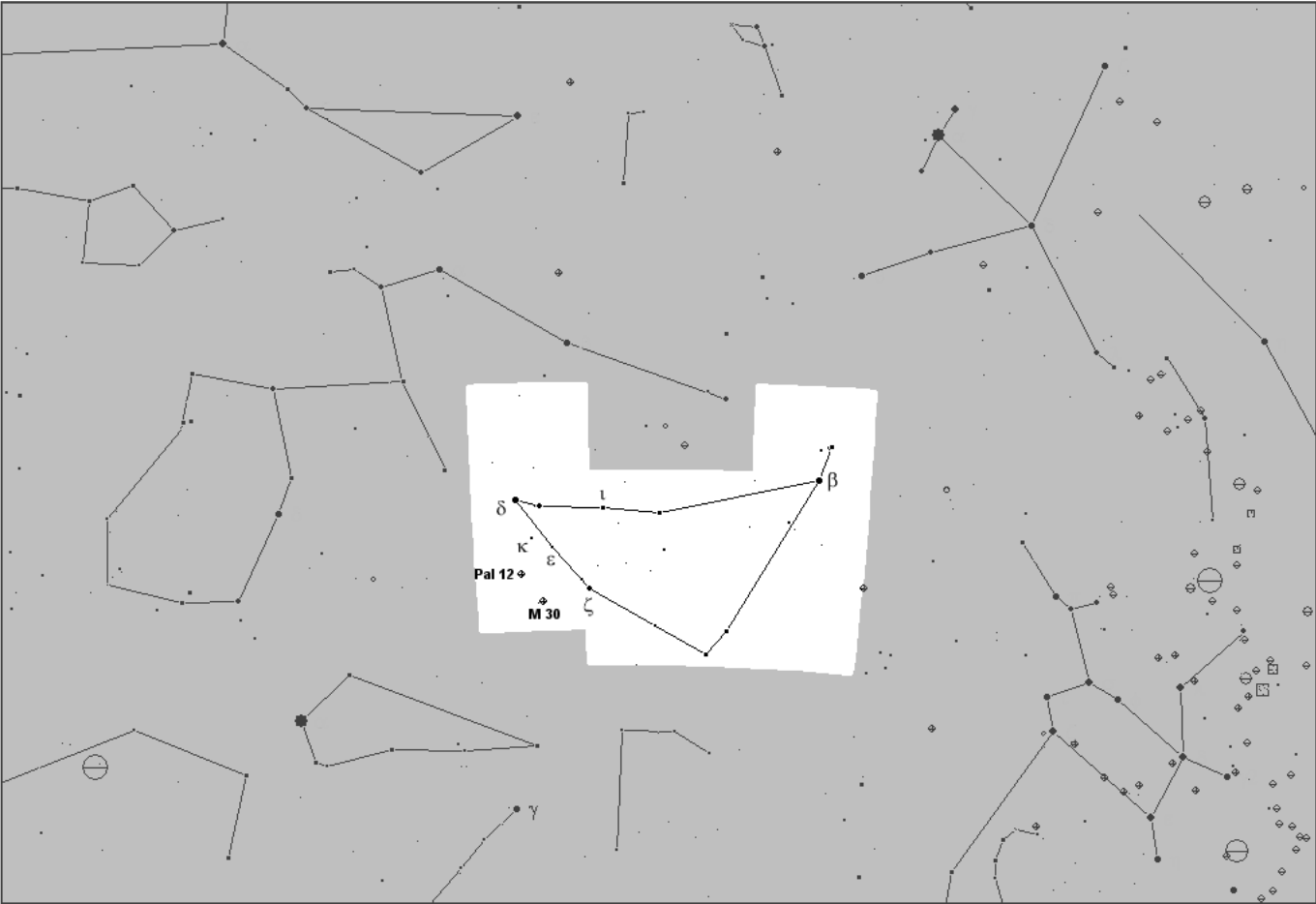
IC 342, 1805 / Cr 36 / Stock 6

Camelopardalis - Žirafa

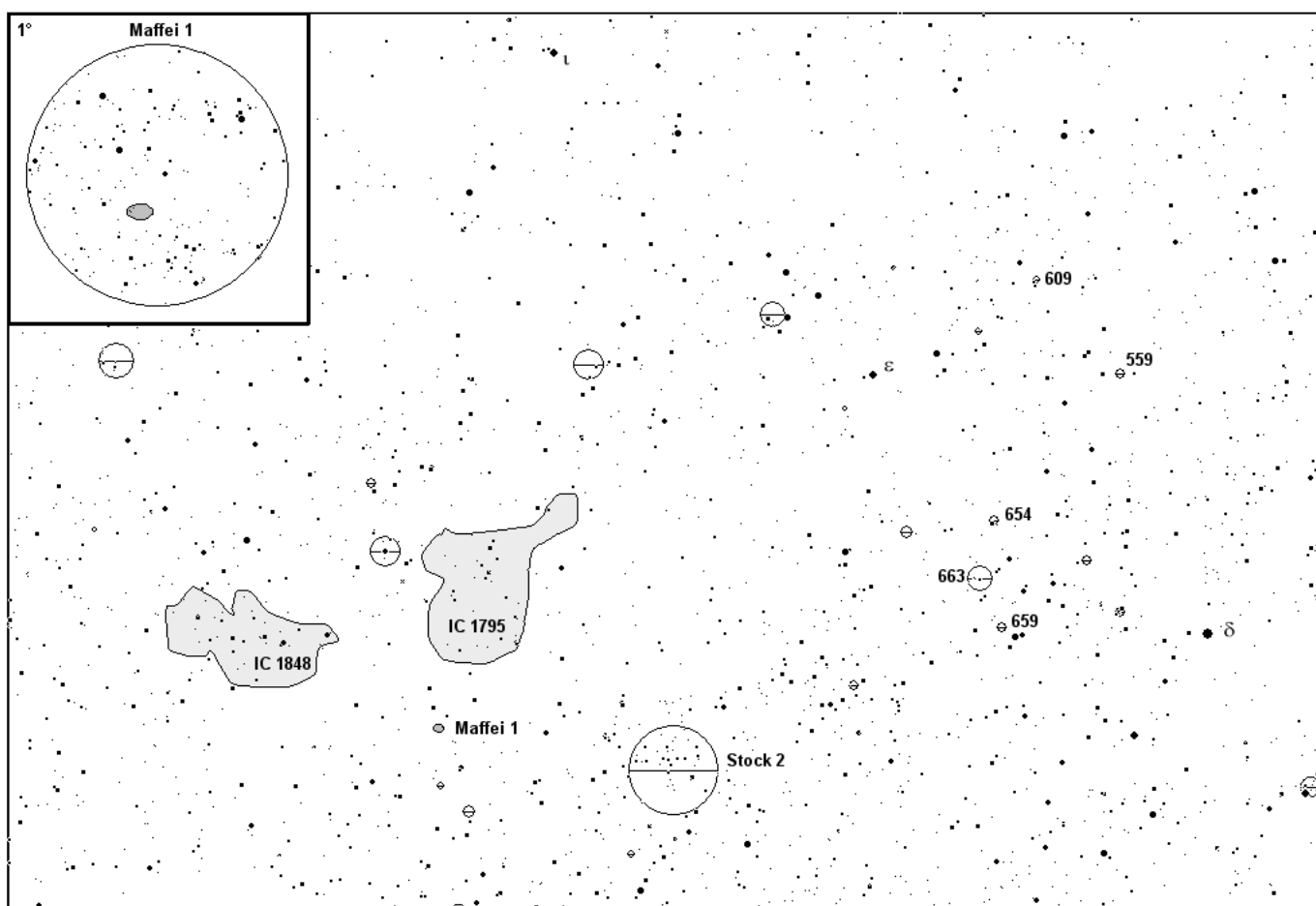
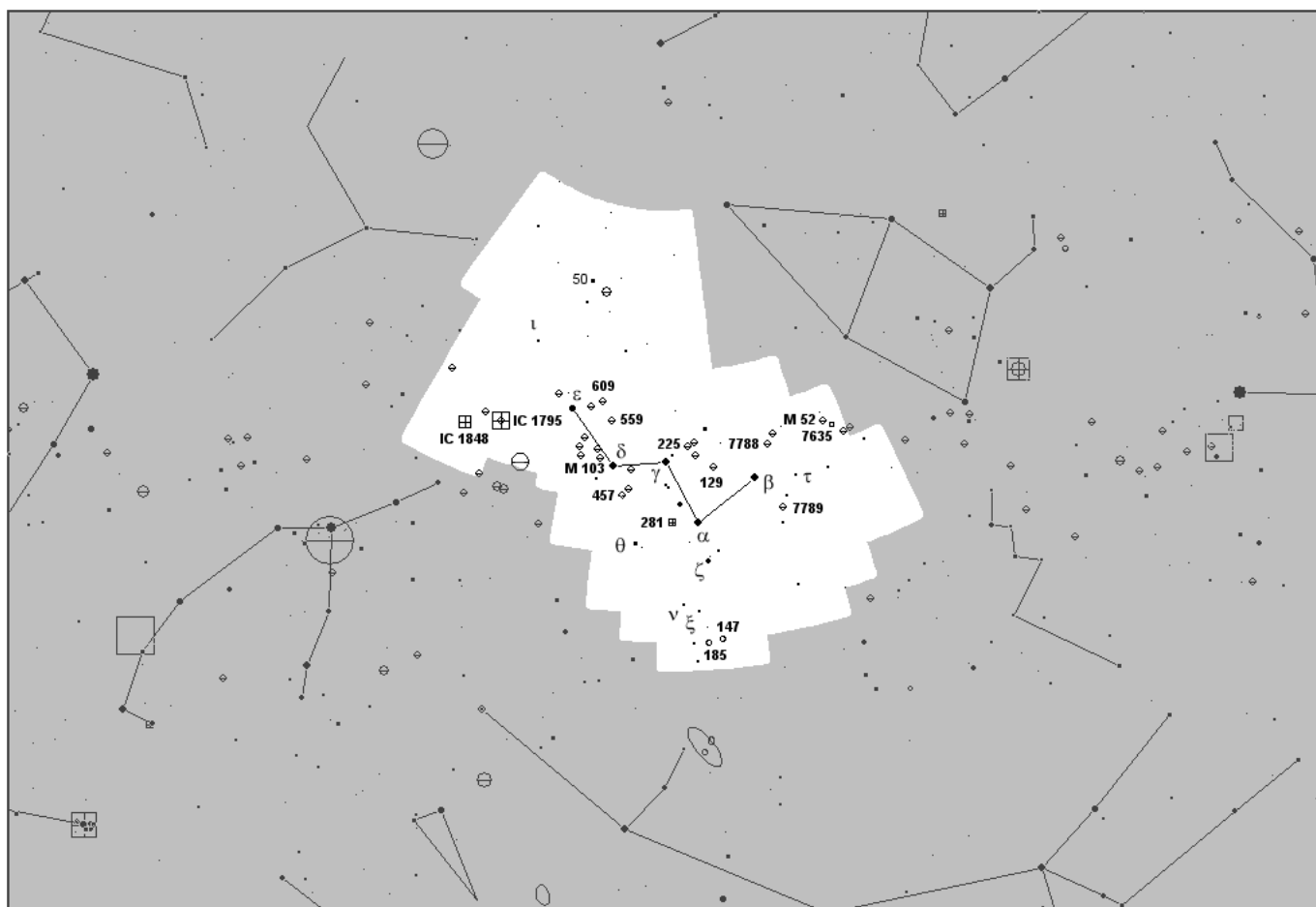


NGC 1501, 1502 / Cr 36 / Berk 10 / Tombaugh 5
 NGC 2366, 2403 / UGC 3580

Capricornus - Kozoroh

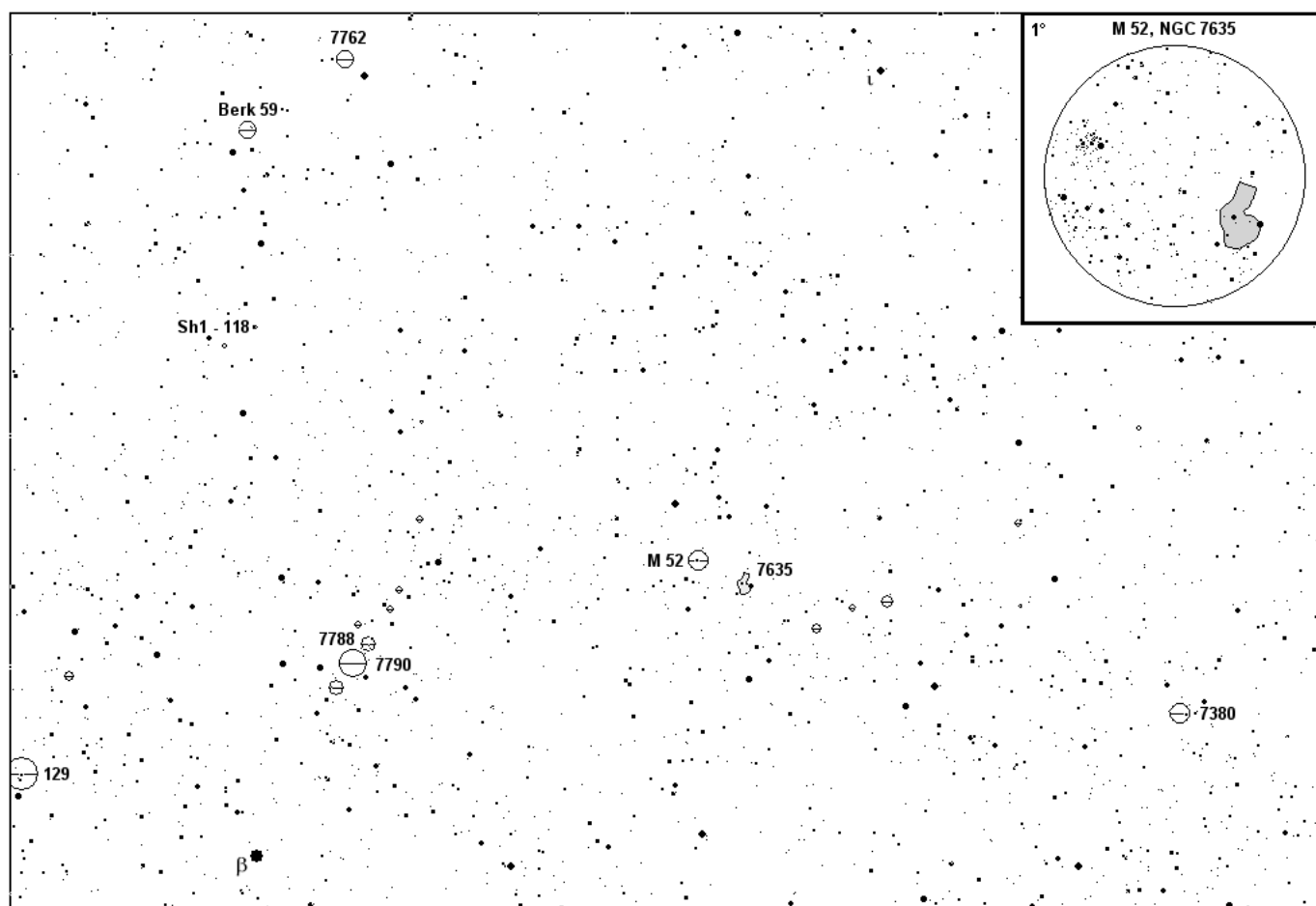
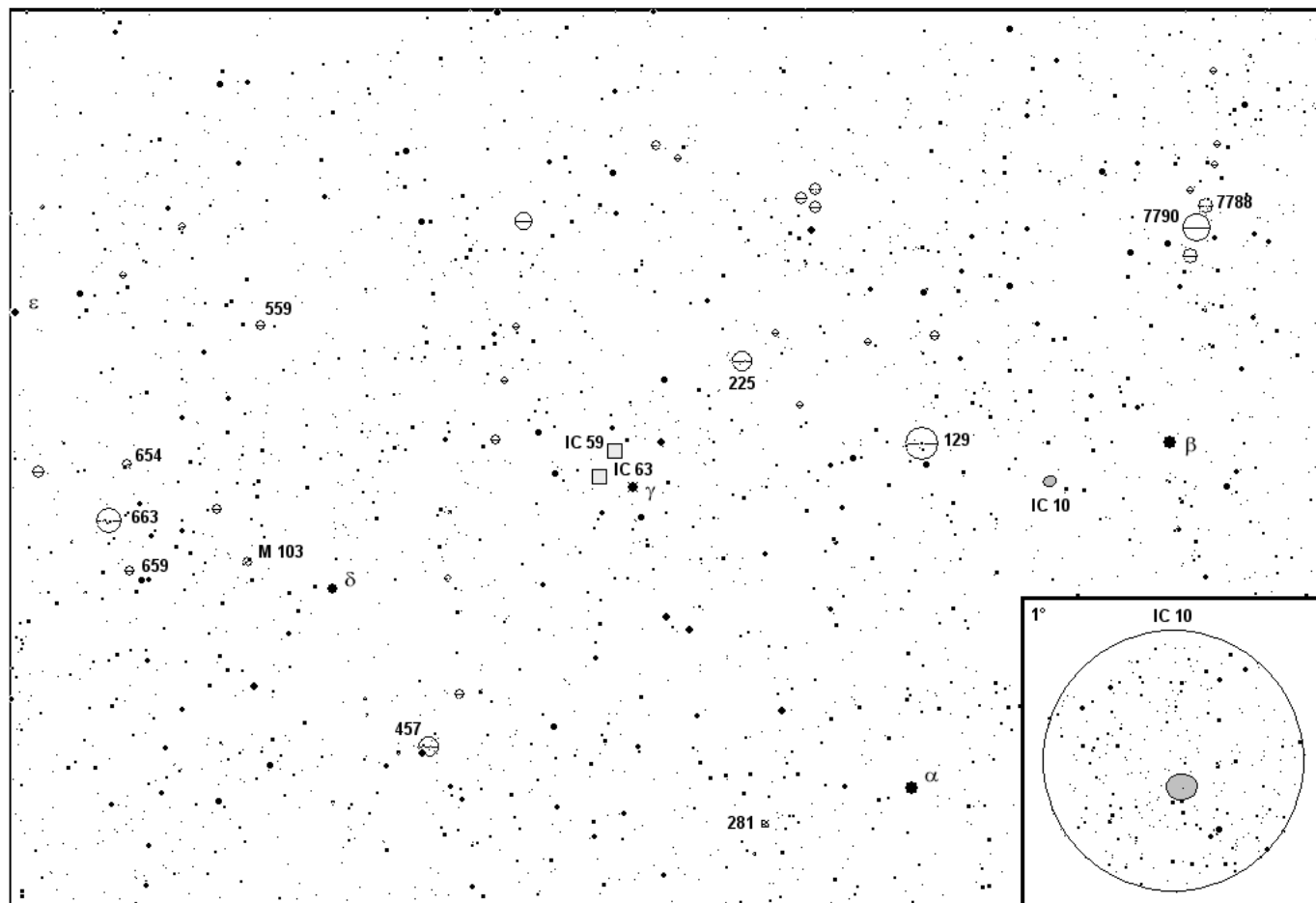


M 30 / Pal 12

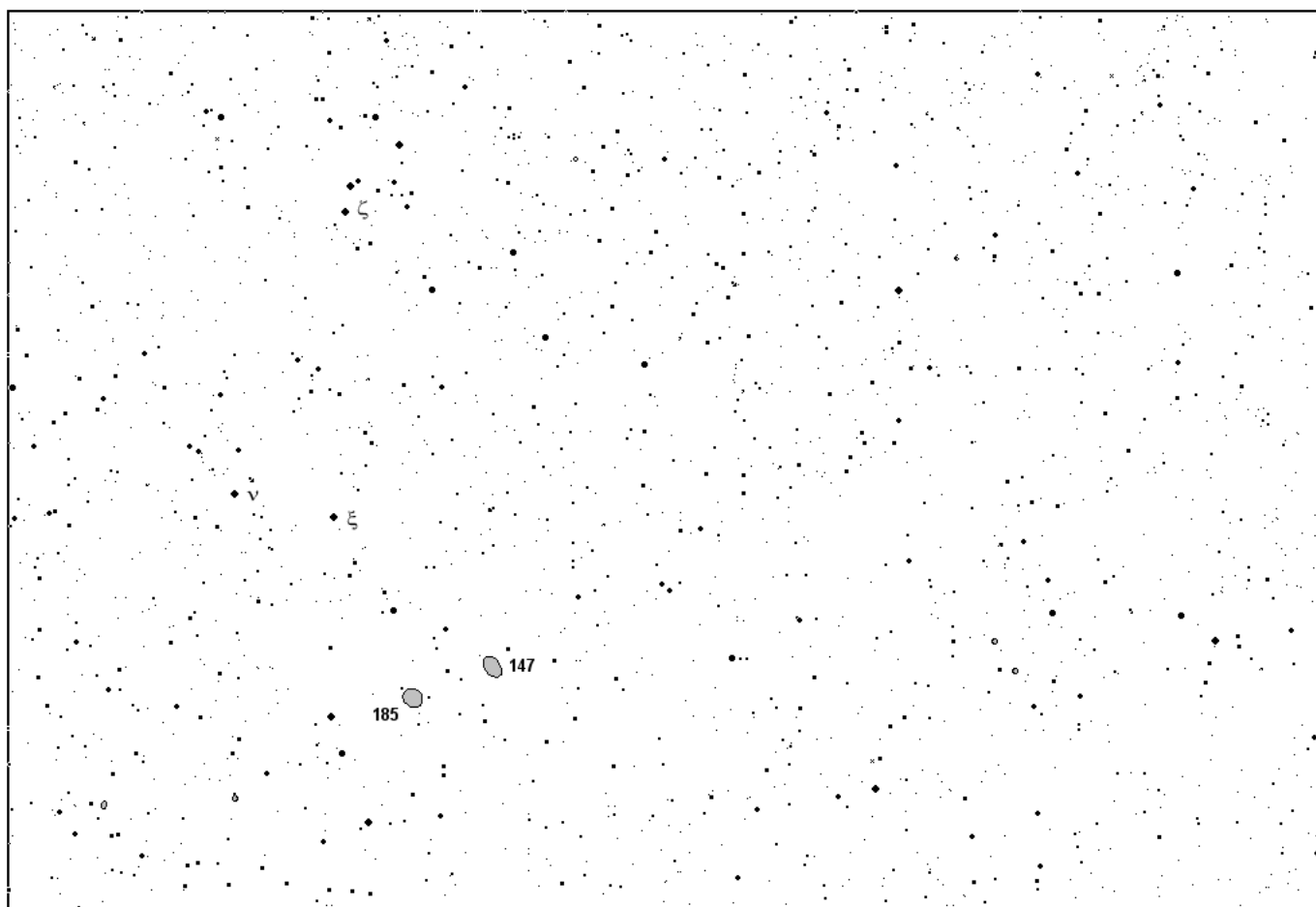


NGC 559, 609, 654, 659, 663 / IC 1795, 1848 / Stock 2 / Maffei I

Cassiopeia

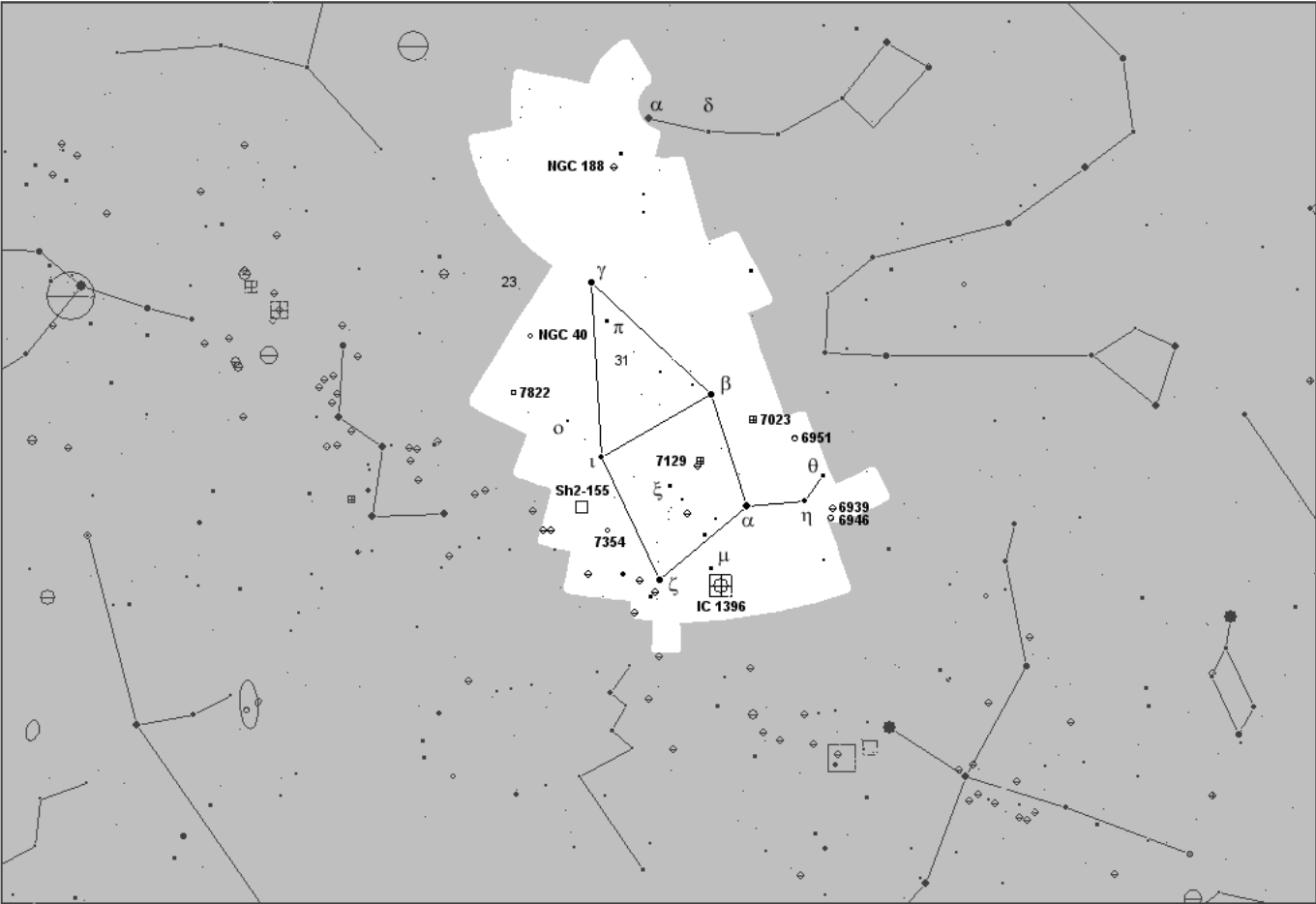


M 103 / NGC 129, 225, 281, 457, 559, 654, 659, 663 / IC 10, 59, 63
M 52 / NGC 129, 7380, 7635, 7662, 7788, 7790 / Sh1-118

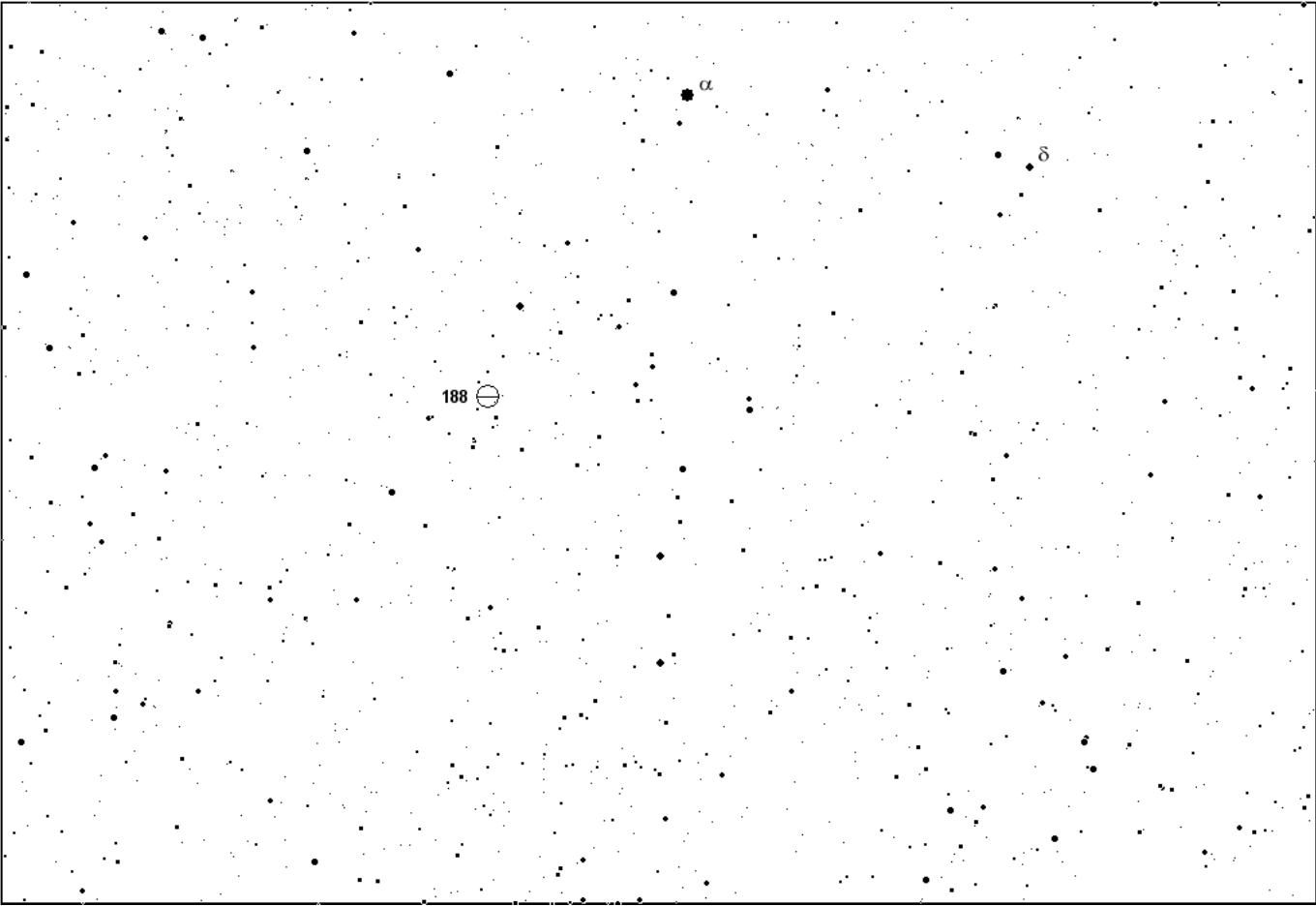


NGC 147, 185

Cepheus - Kefeus

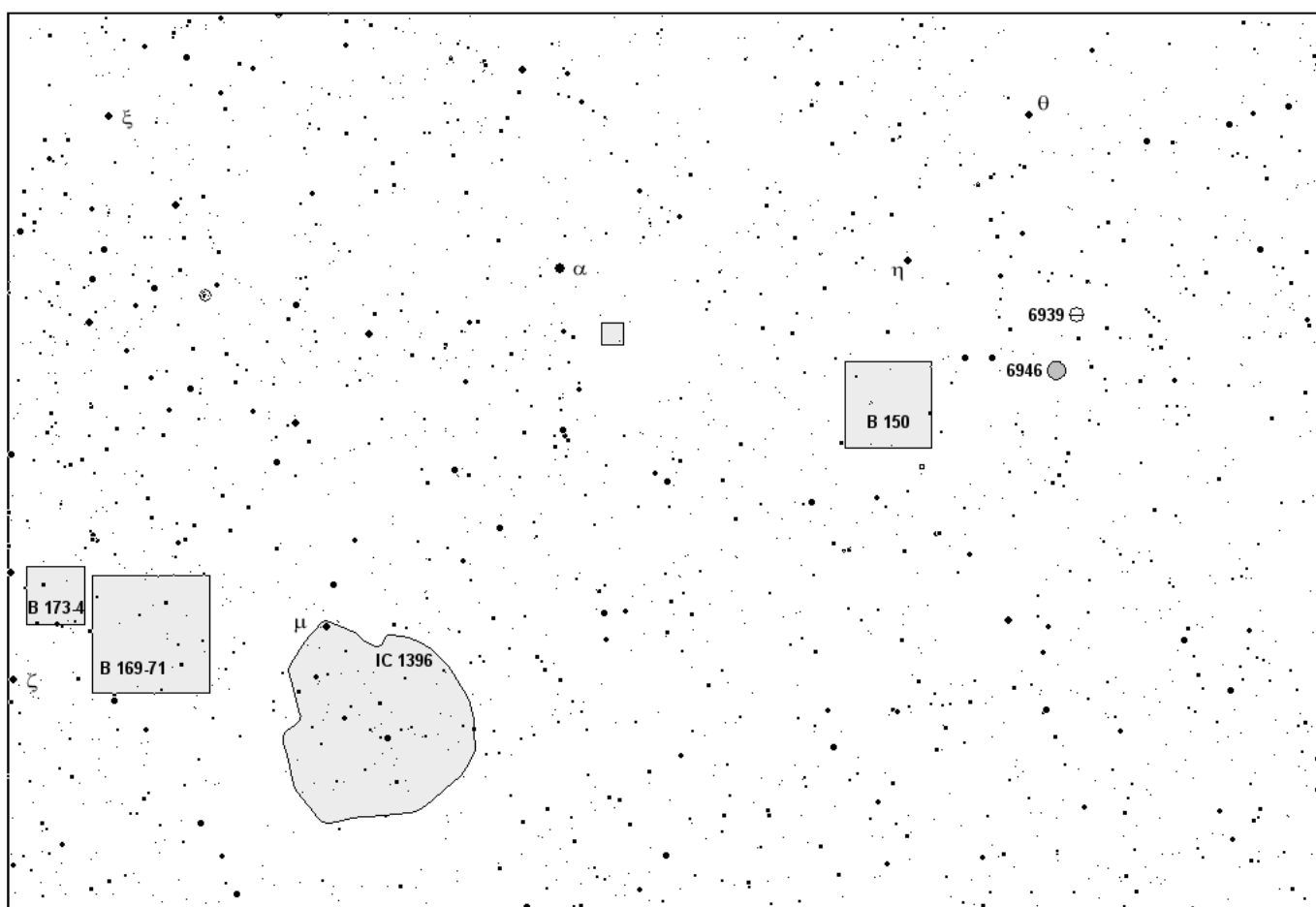
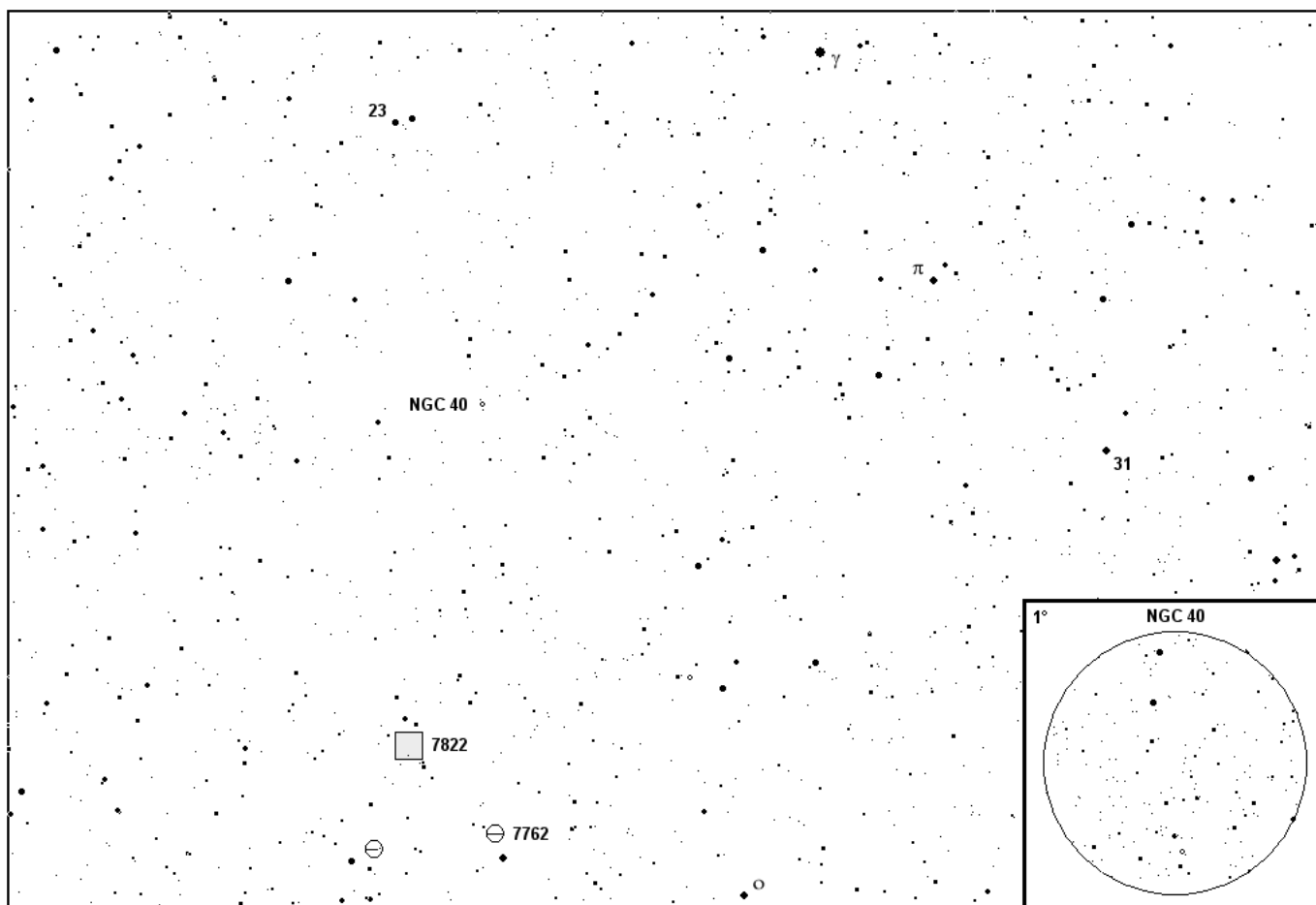


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NGC 188

Cepheus - Kefeus

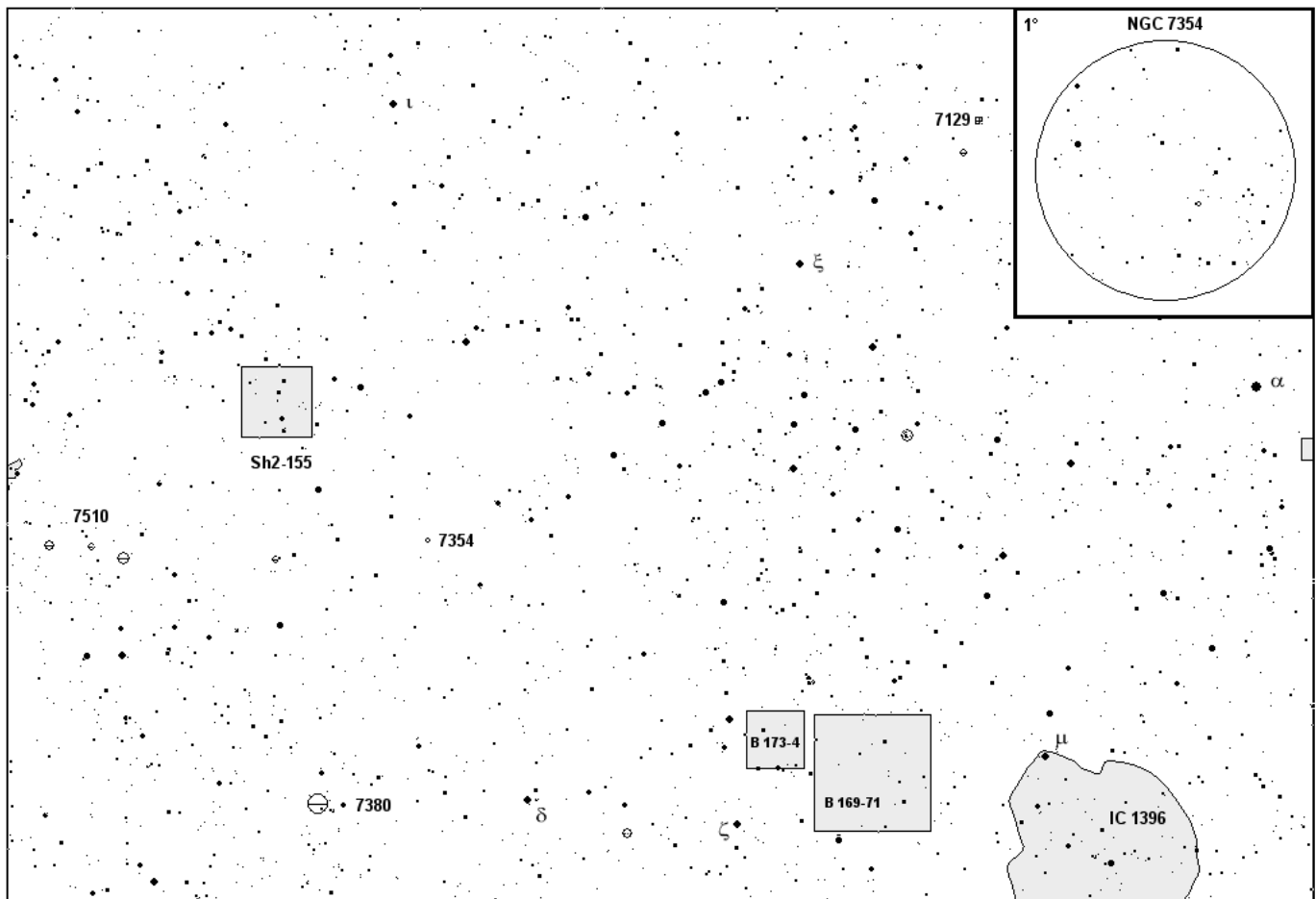
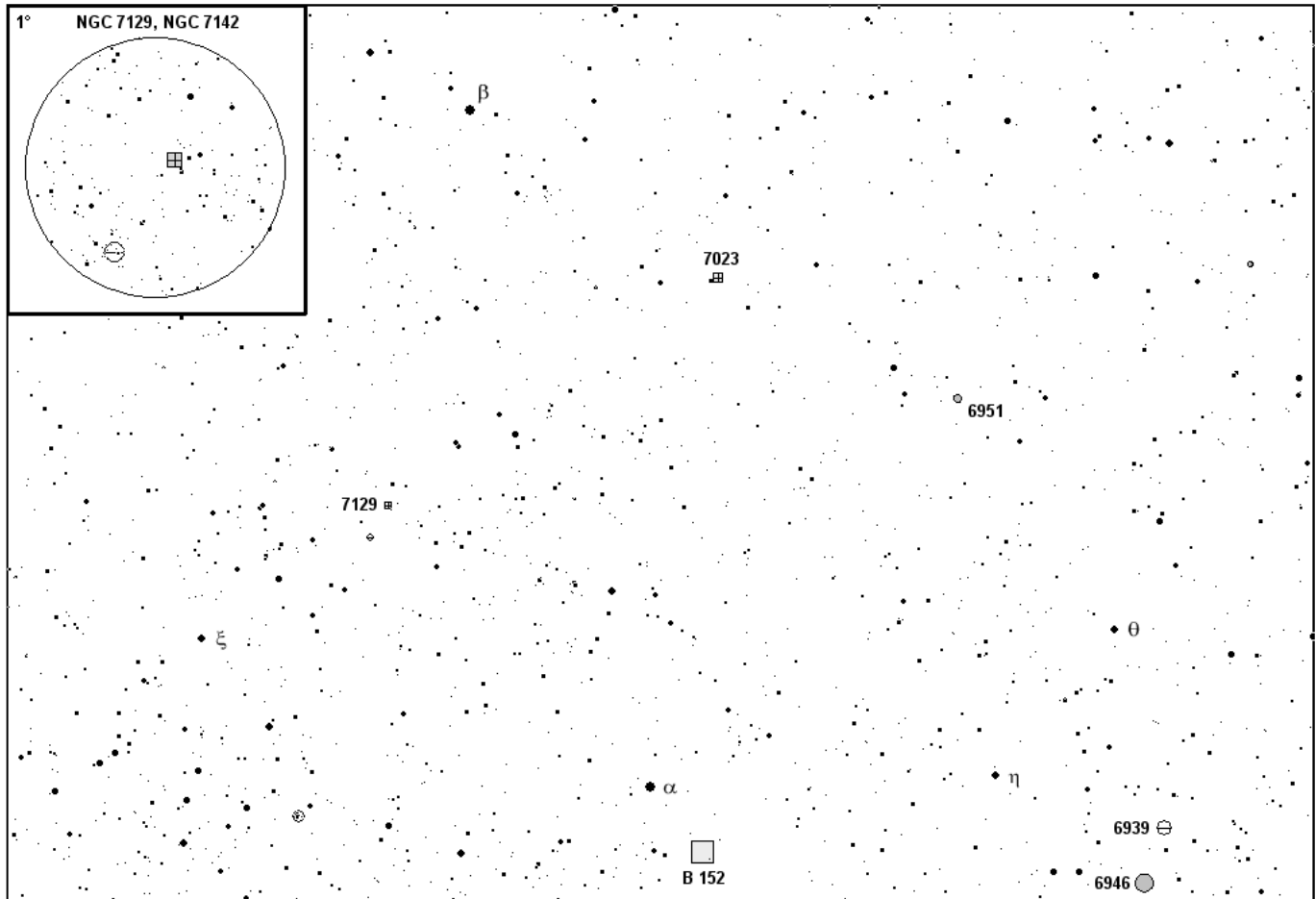


NGC 40, 7762, 7822

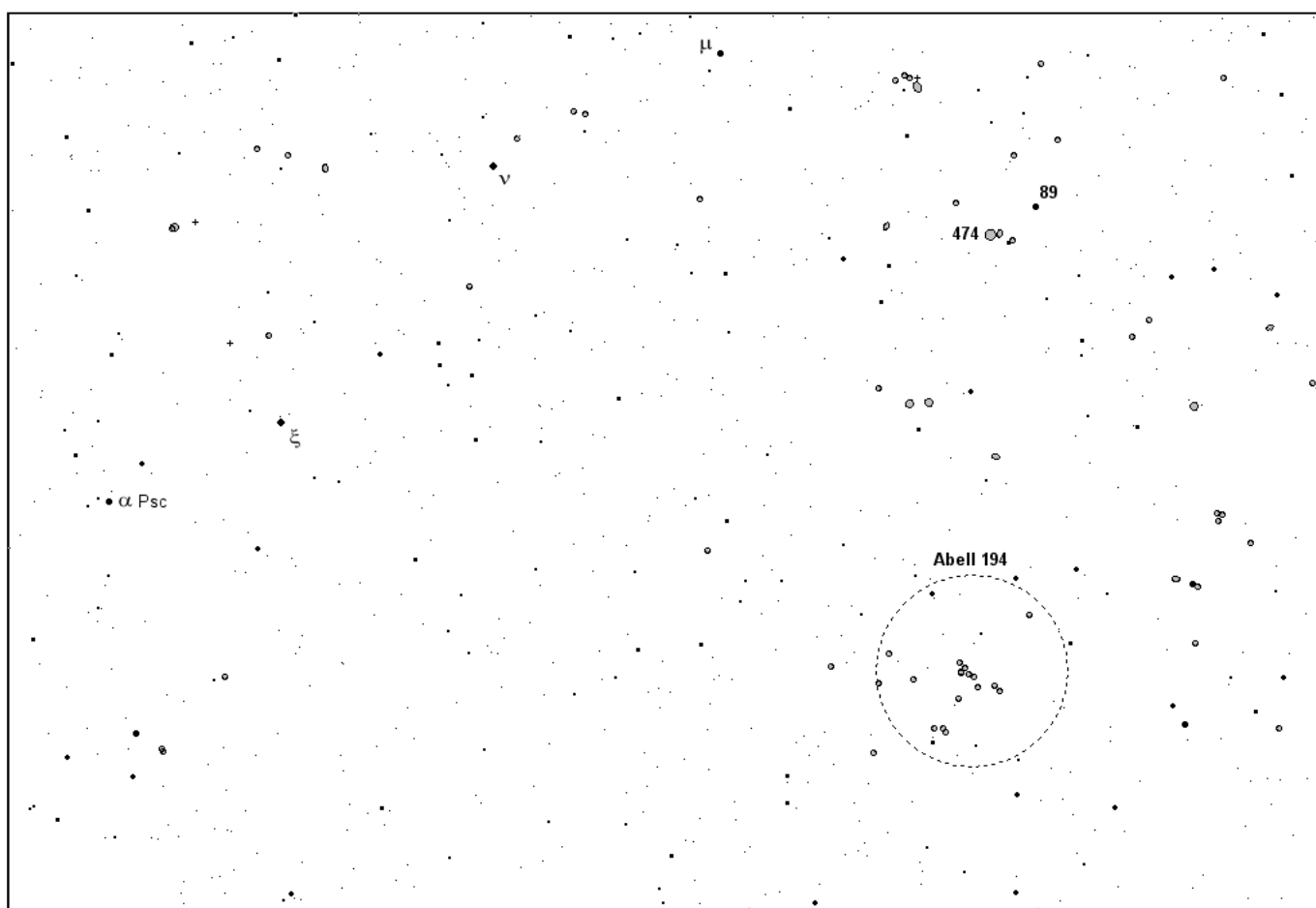
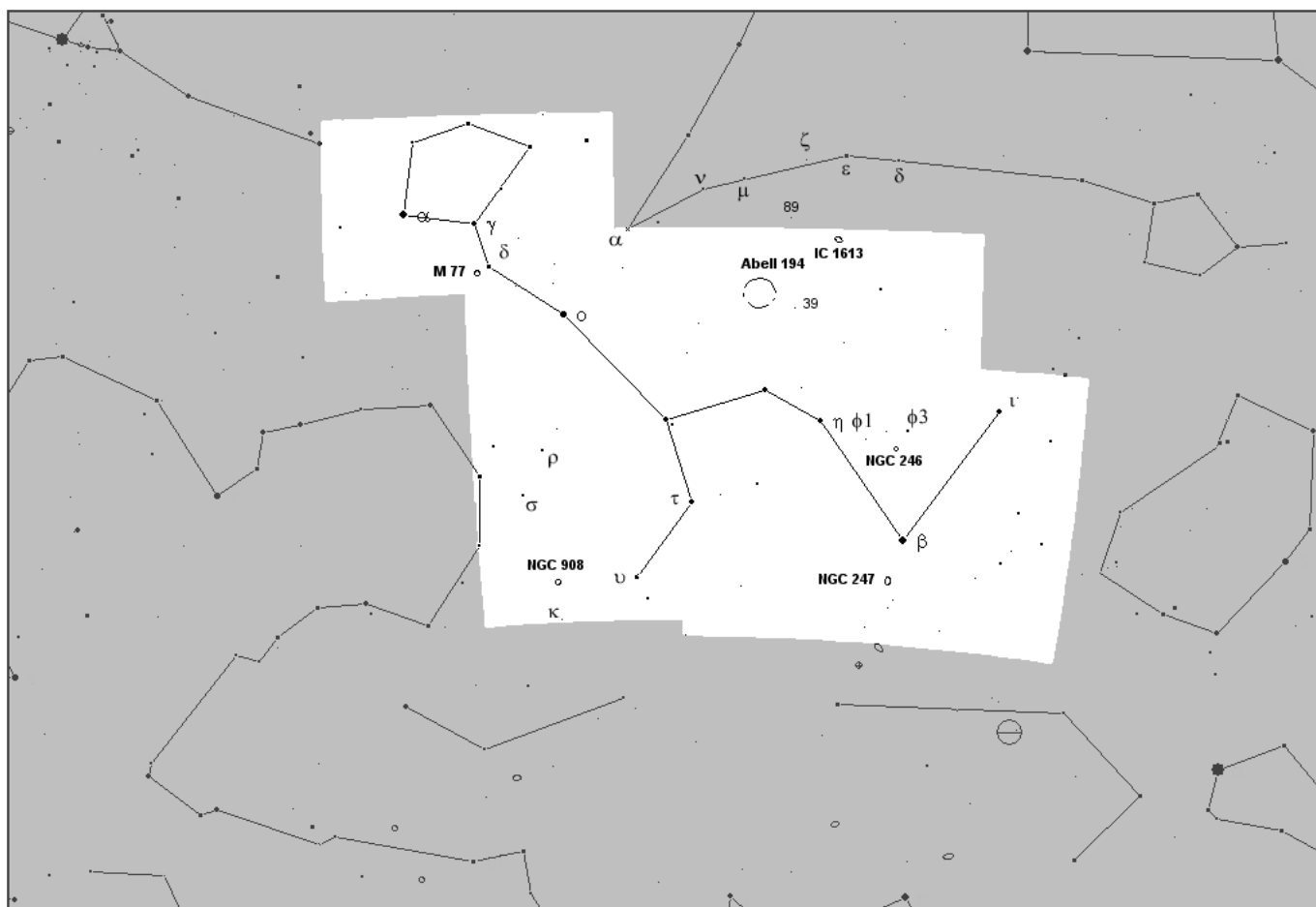
NGC 6939, 6946 / IC 1396 / B 150, 169-71, 173-4

1° NGC 7129, NGC 7142

A circular star chart showing the constellation of the Great Square of Sagittarius. The chart is centered on the Great Square, with the four stars marked by squares. Numerous other stars of varying magnitudes are plotted as dots of different sizes. A small circle with a cross inside is located in the lower-left quadrant of the chart.

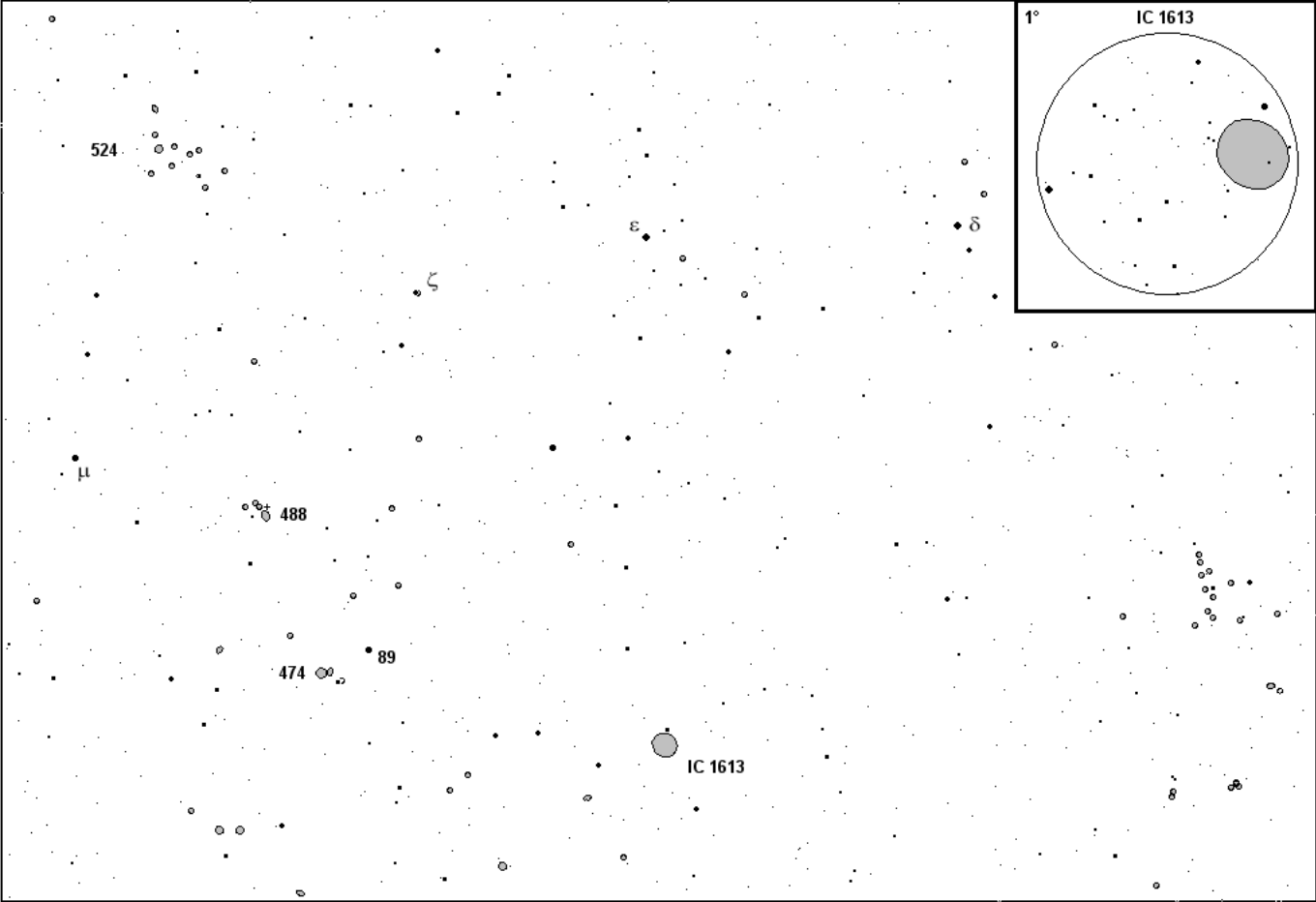


NGC 7129, 7354, 7380, 7510 / IC 1396 / B 169-71, 173-4 / Sh2-155

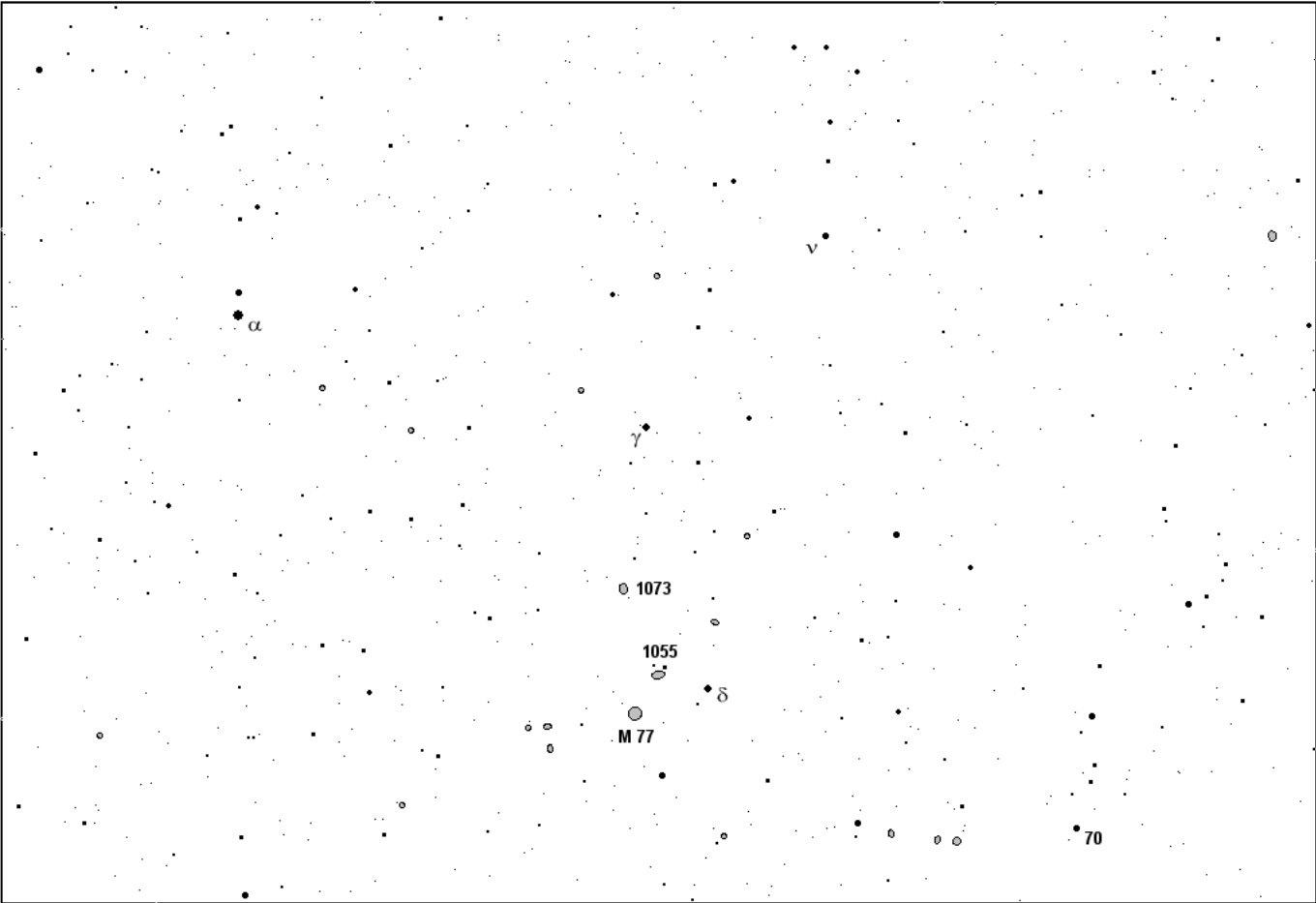


NGC 474 / Abell 194

Cetus - Velryba

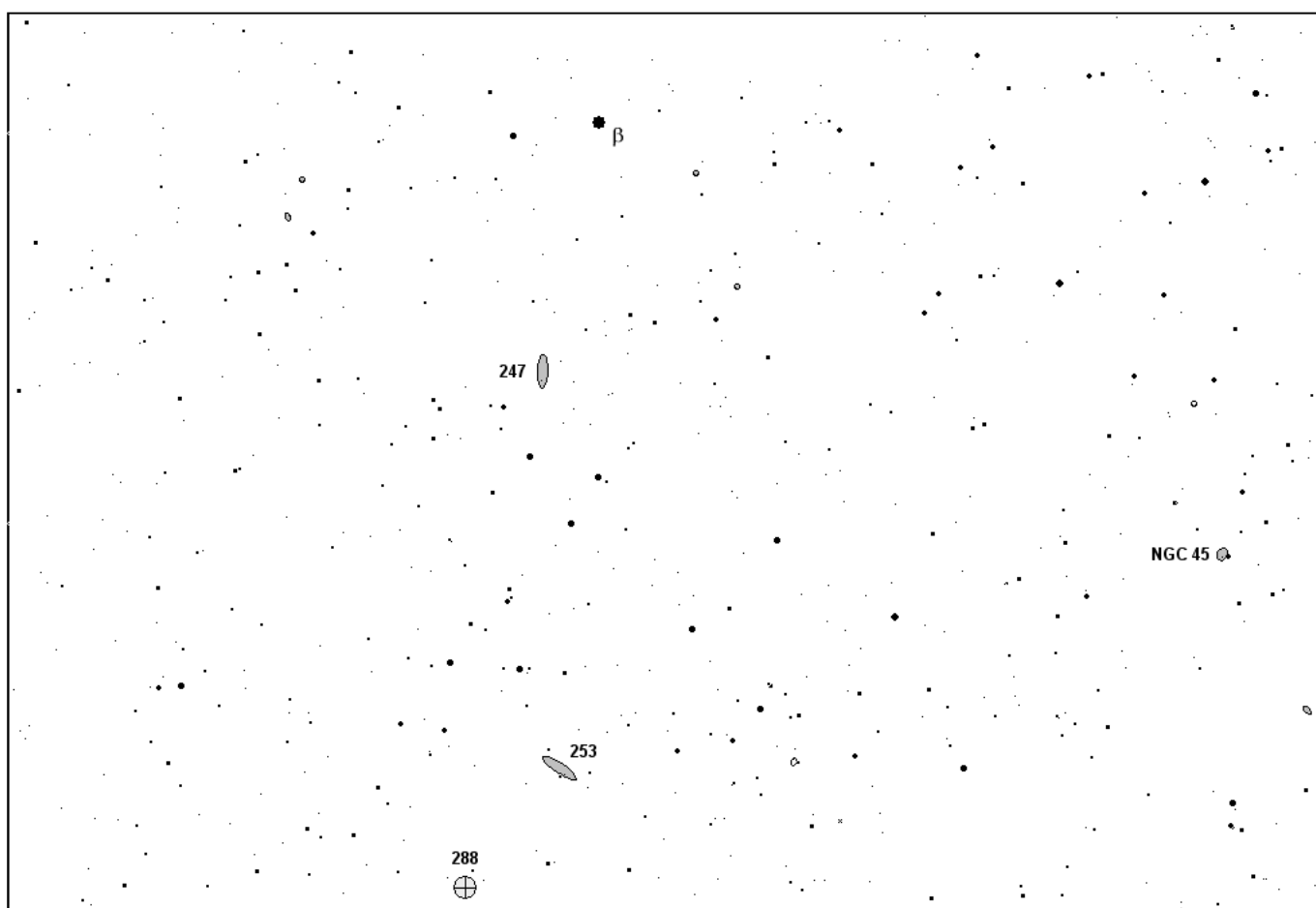
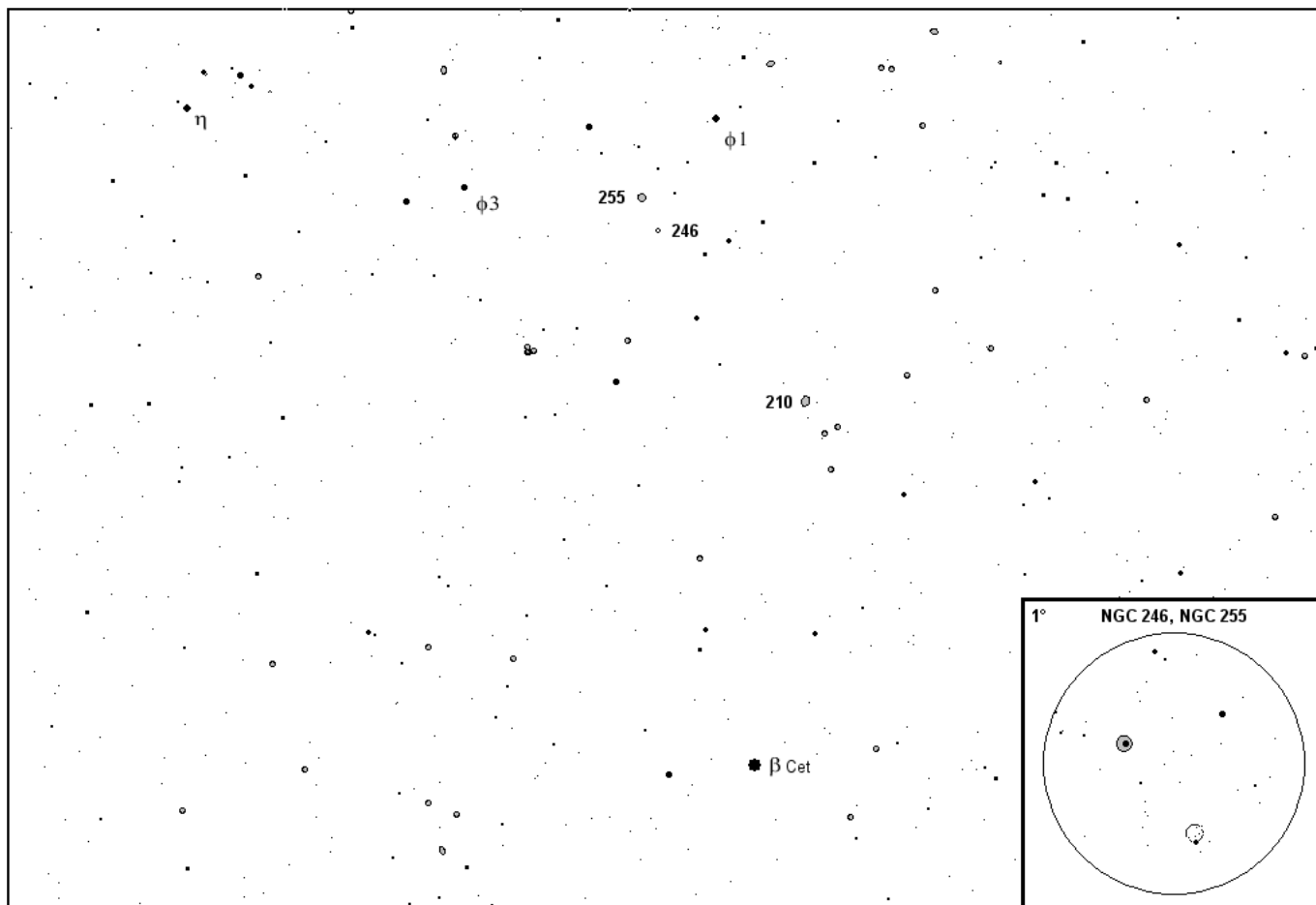


Deep Sky Atlas 2007



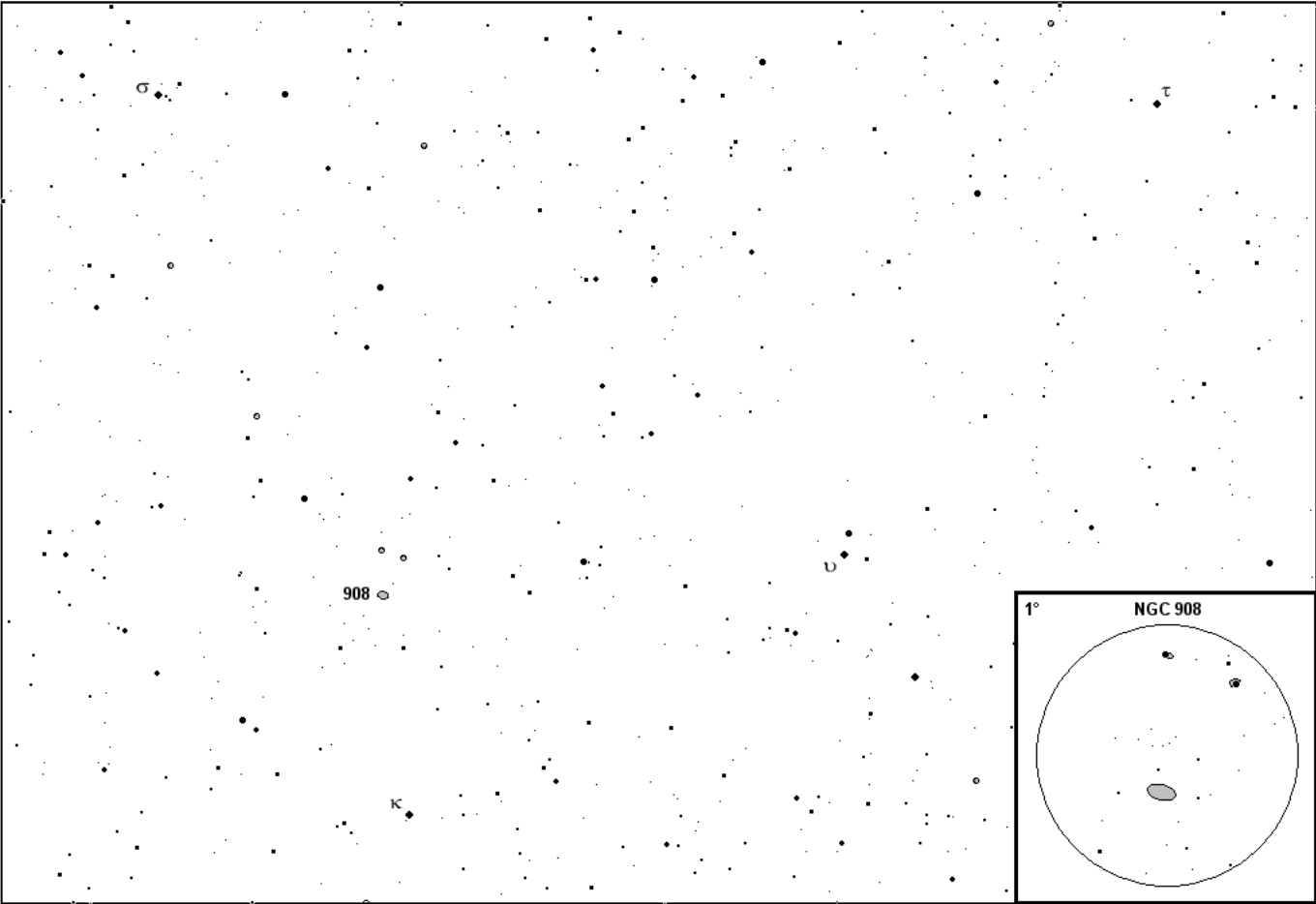
MI

NGC 474, 488, 524 / IC 1613
M 77 / NGC 1055, 1073

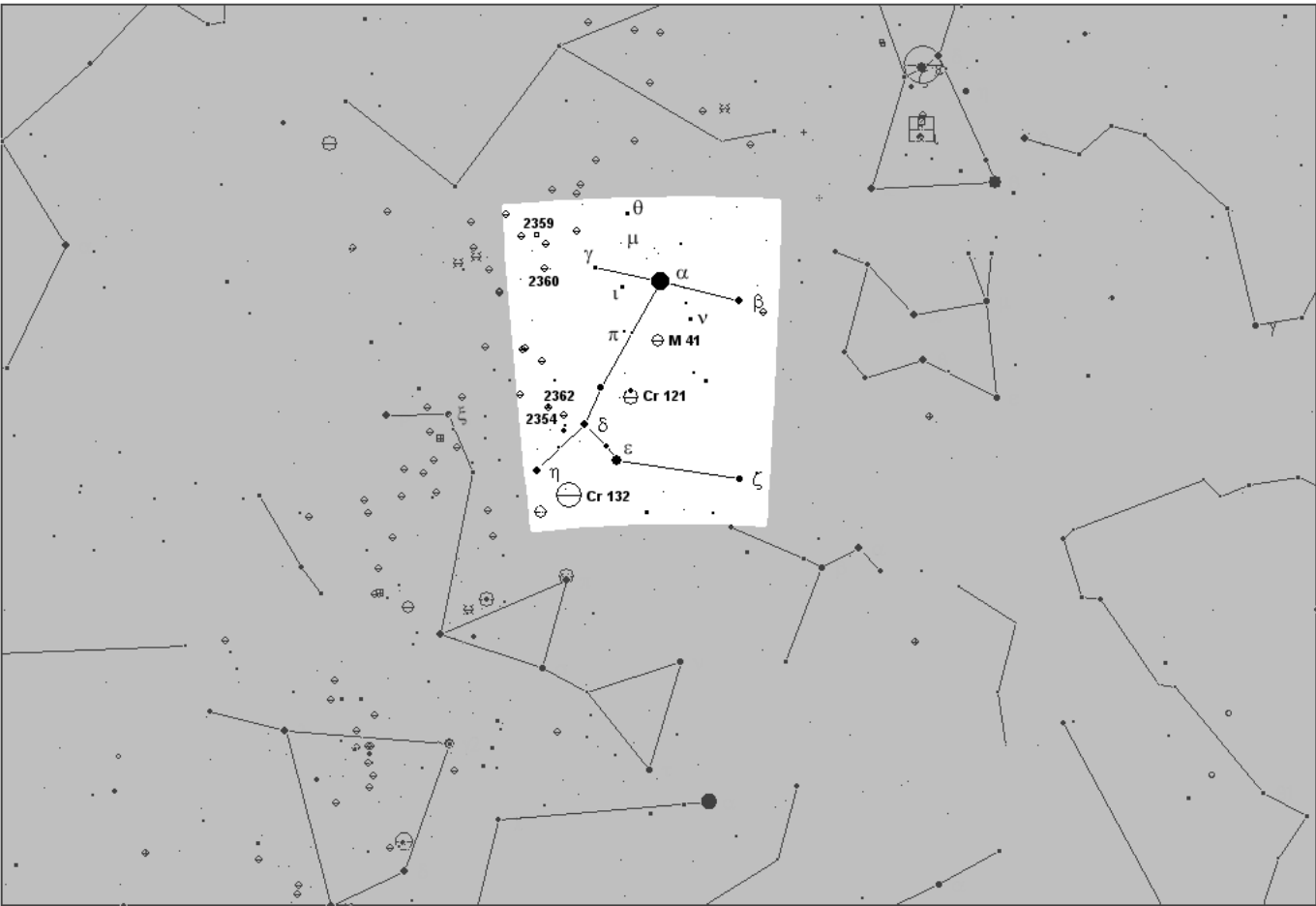


NGC 210, 246, 255
NGC 55, 247, 253, 288

Cetus - Velryba / Canis Major - Velký pes

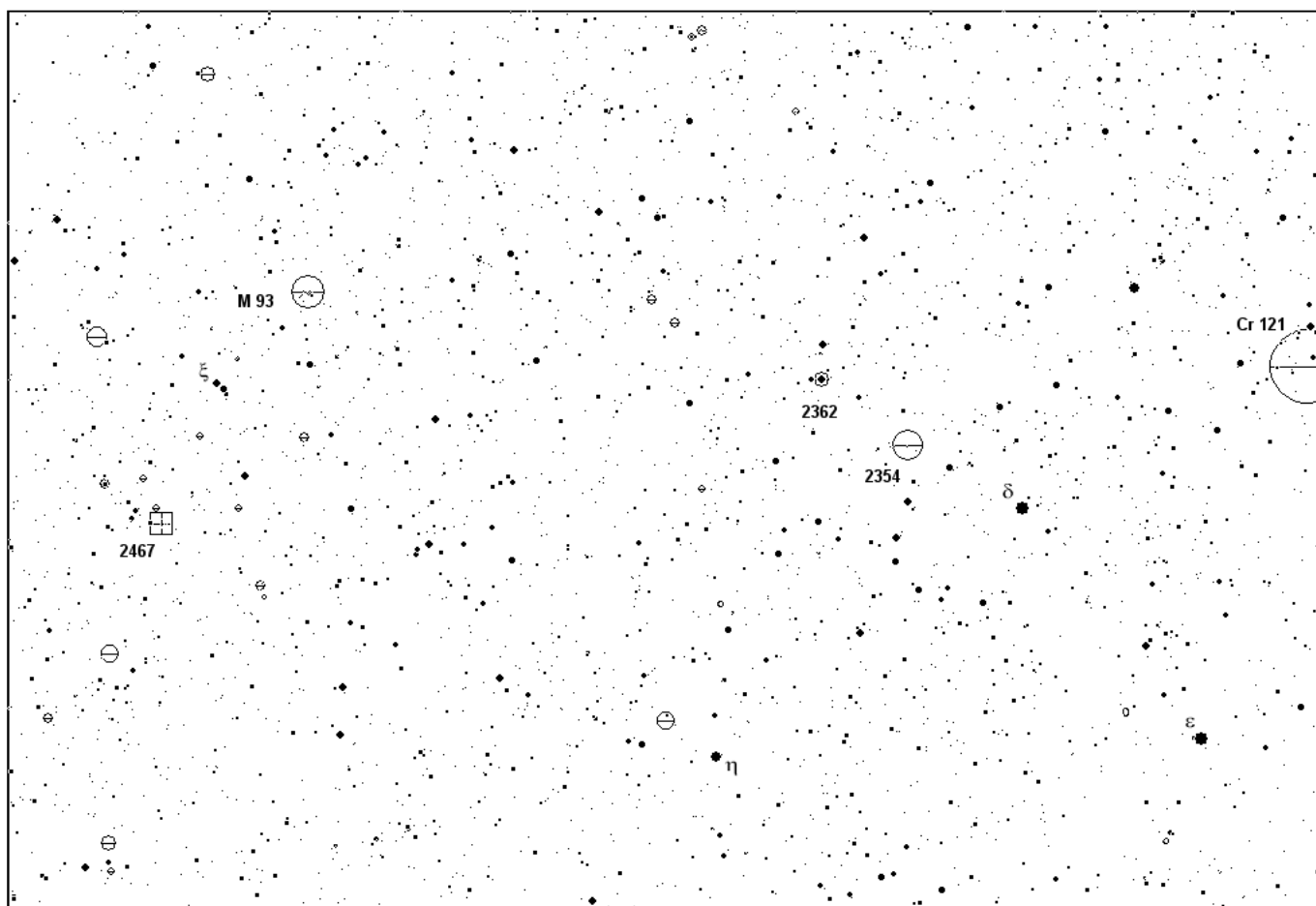
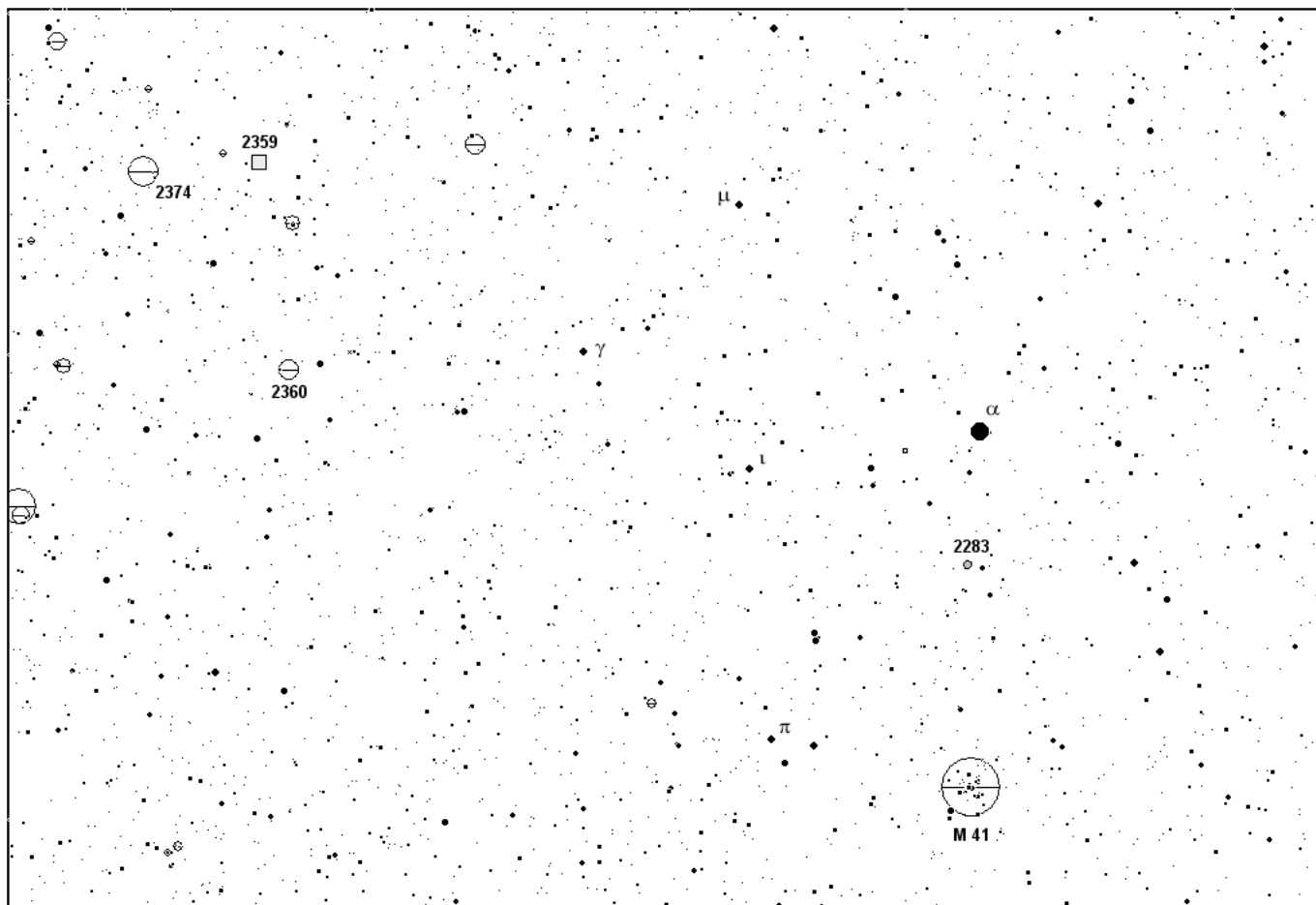


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NGC 908

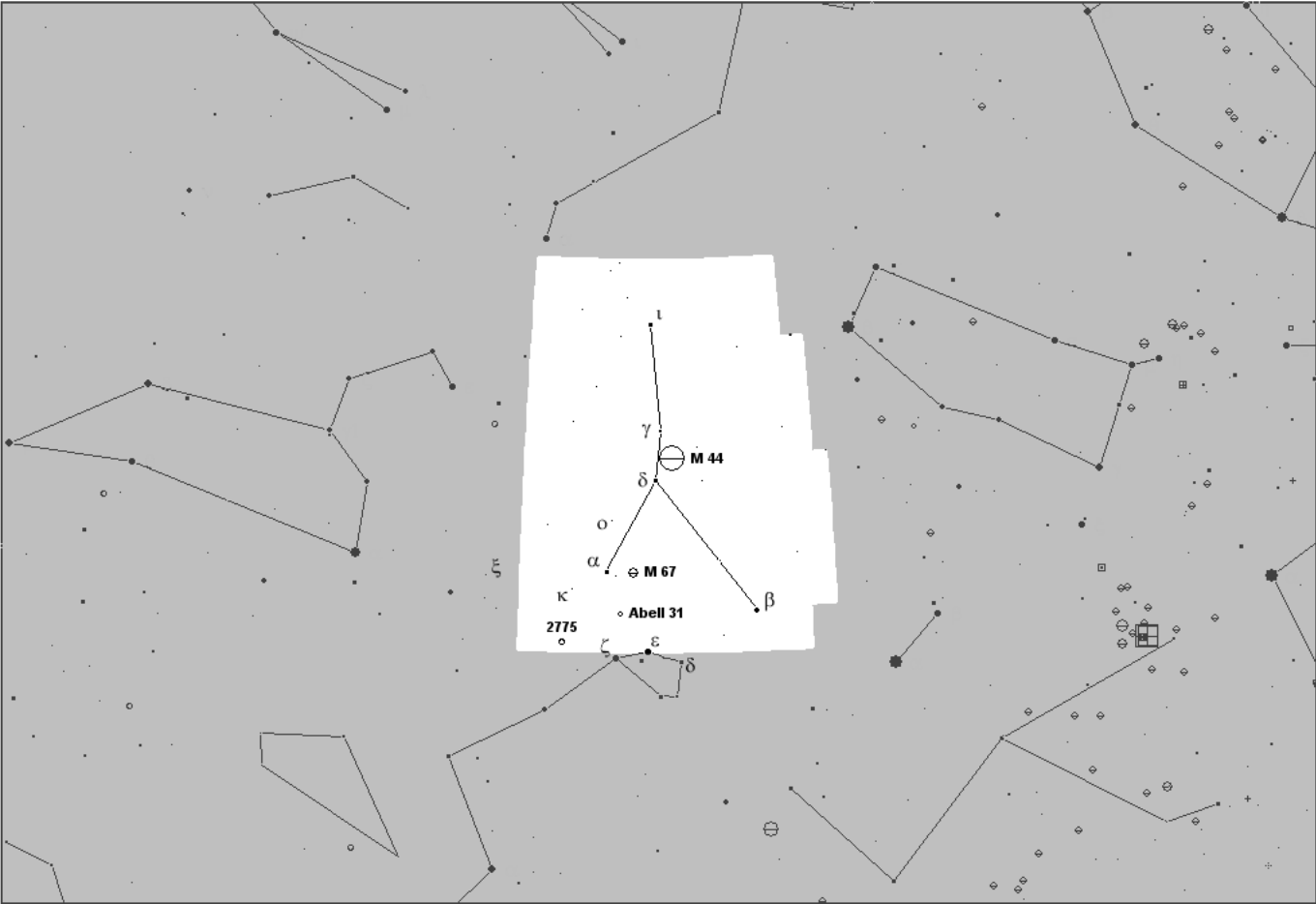
Canis Maior - Velký pes



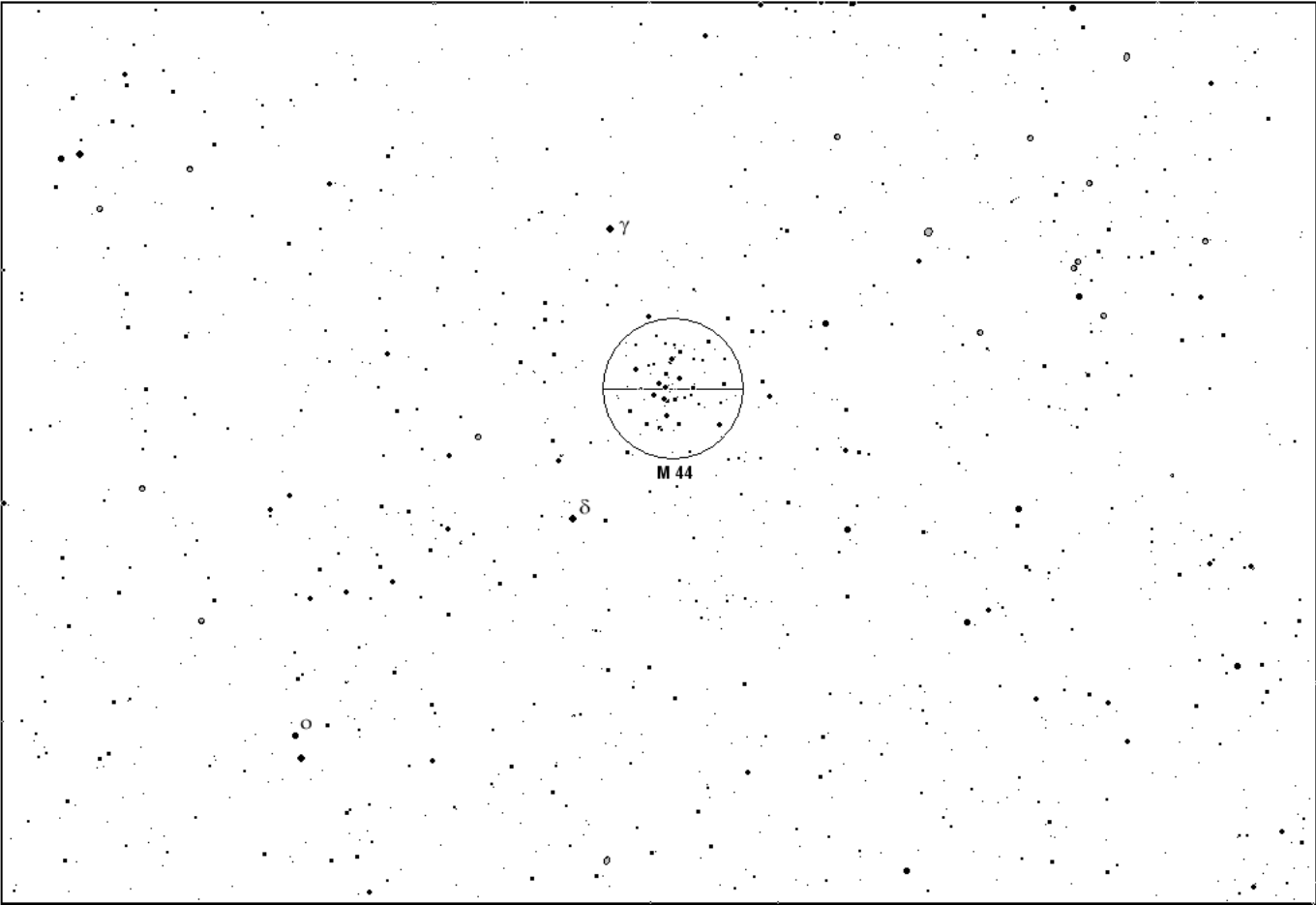
M 41 / NGC 2283, 2359, 2360, 2374

M 93 / NGC 2354, 2362, 2467 / Cr 121

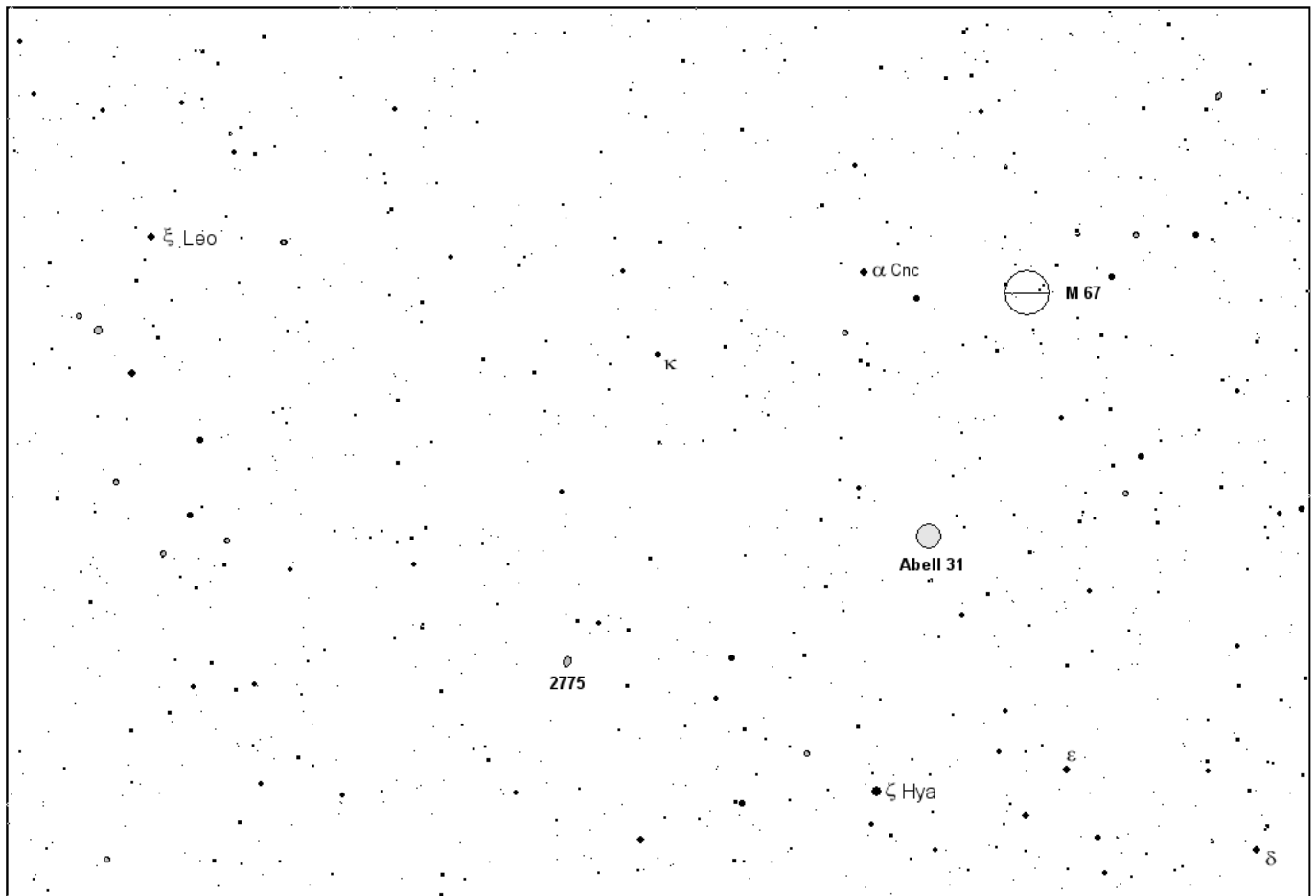
Cancer - Rak



Deep Sky Atlas 2007



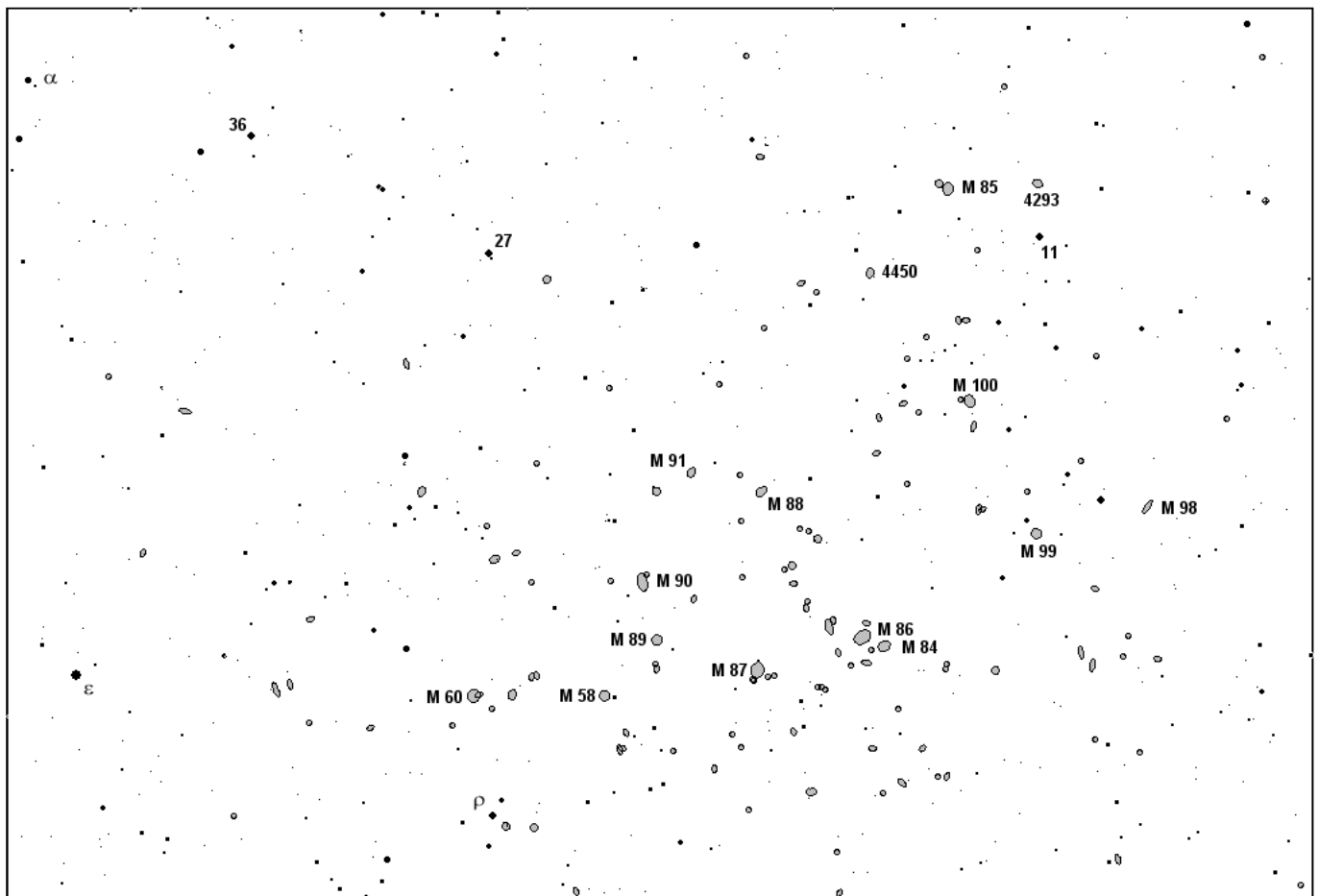
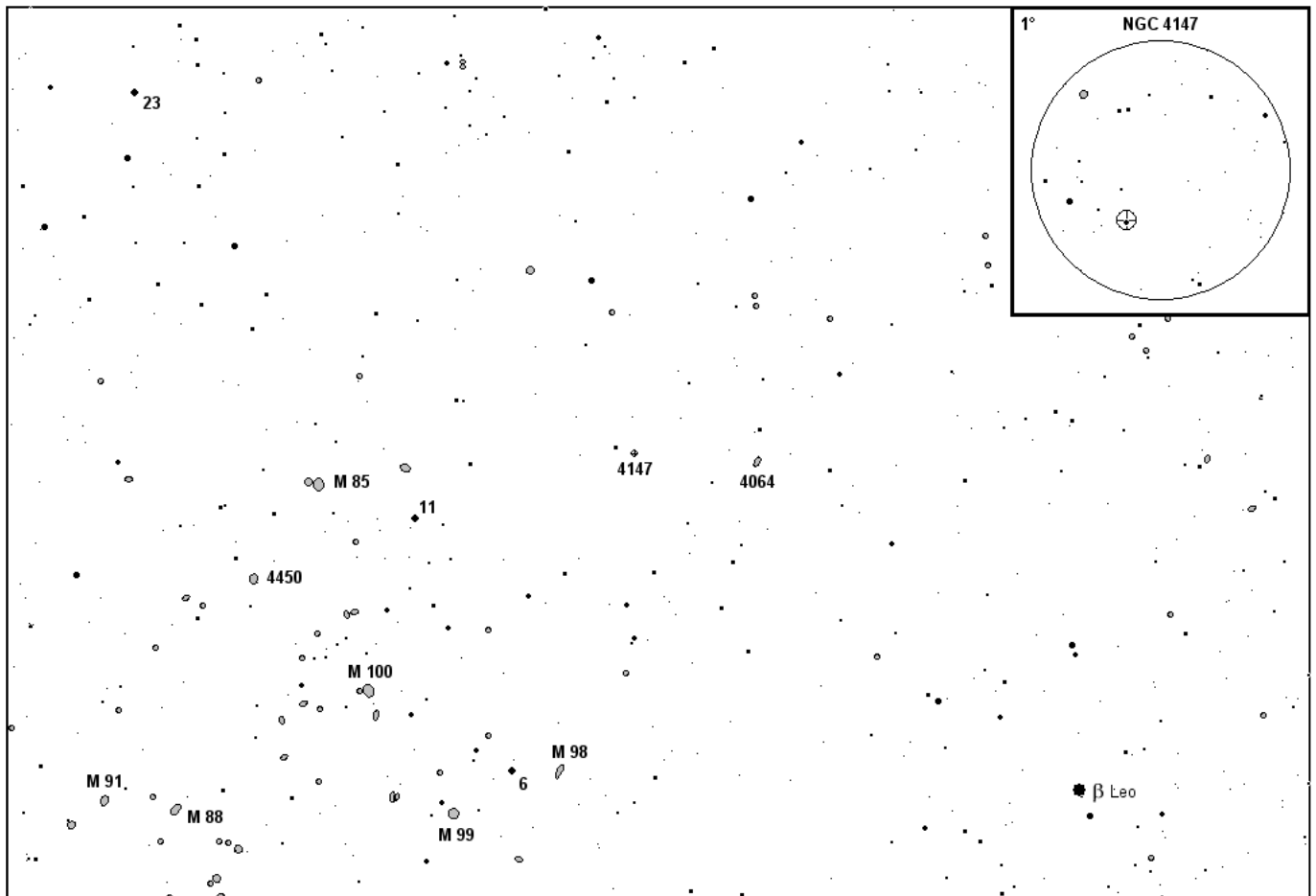
M 44



A detailed star map of the constellation Coma Berenices. The map shows numerous stars of varying magnitudes, with several key stars labeled. M 53 is marked with a circle containing a cross. M 64 is marked with a circle containing a cross and a small oval. Other labeled stars include 23, 26, 27, 35, 36, 5053, and α . The constellation's outline is defined by a series of connected lines.

11

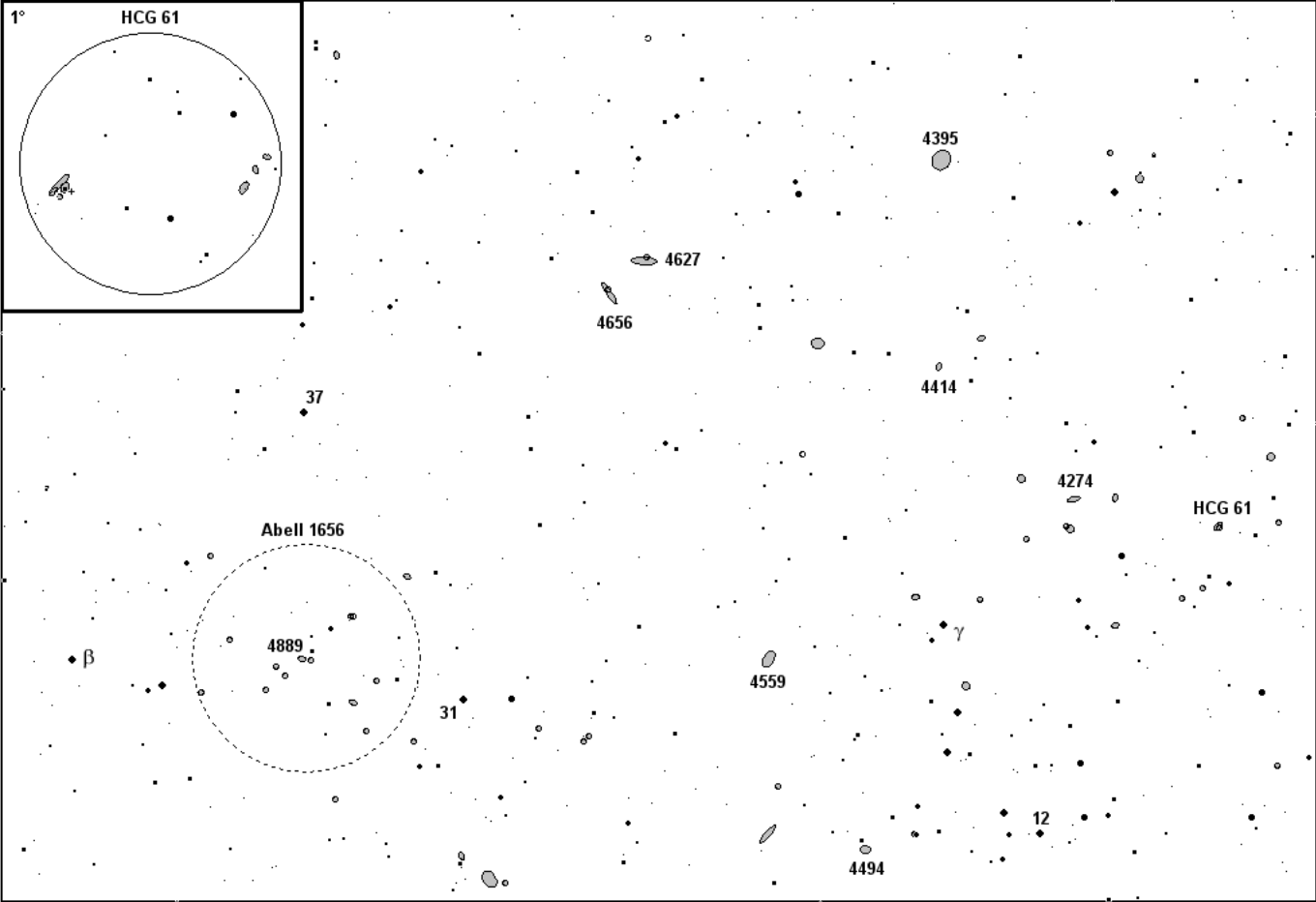
Coma Berenices - Vlasy Bereniky



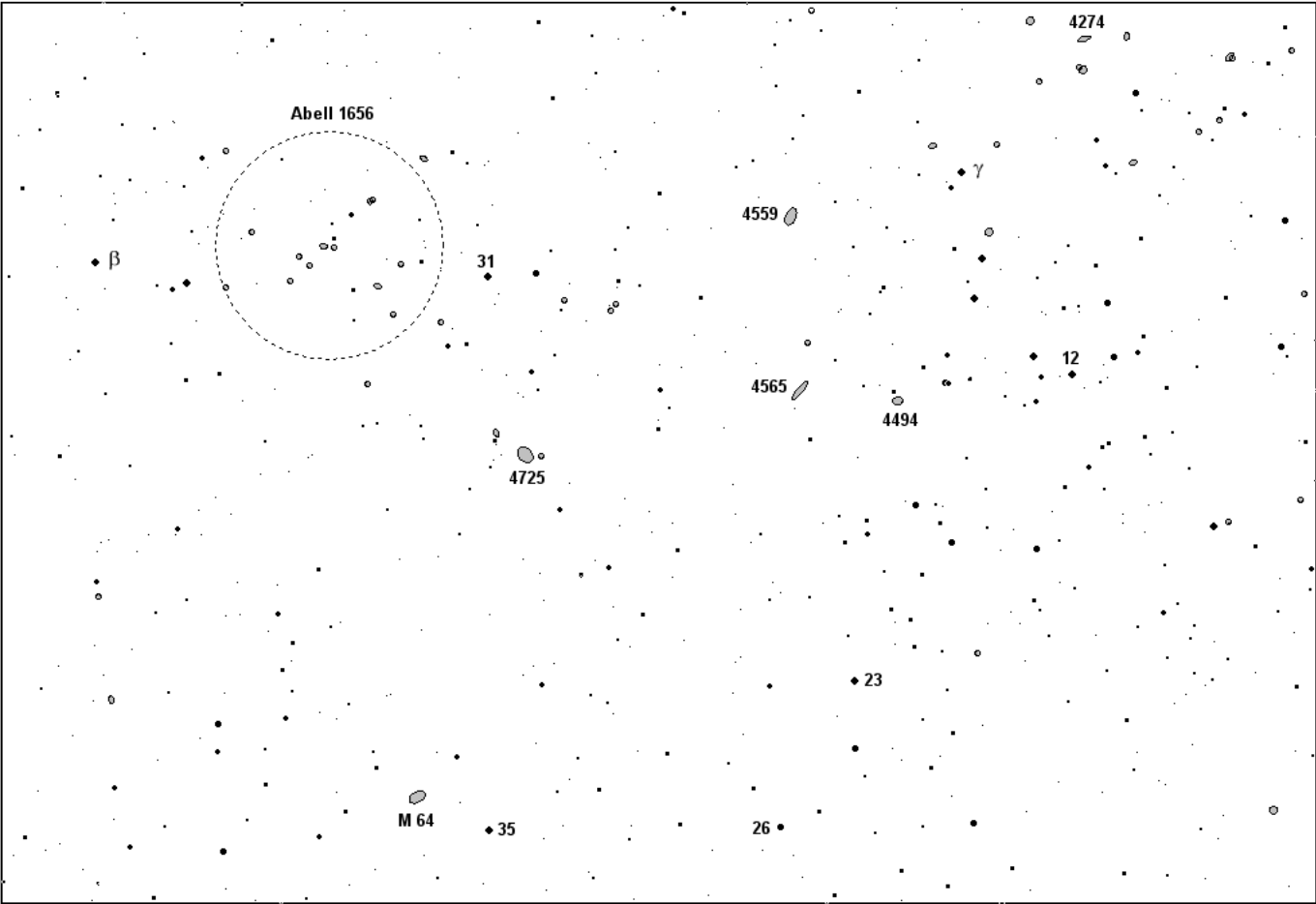
M 85, 88, 91, 98, 99, 100 / NGC 4064, 4147, 4450

M 58, 60, 84, 85, 86, 87, 88, 89, 90, 91, 98, 99, 100 / NGC 4293, 4450

Coma Berenices - Vlasy Bereniky

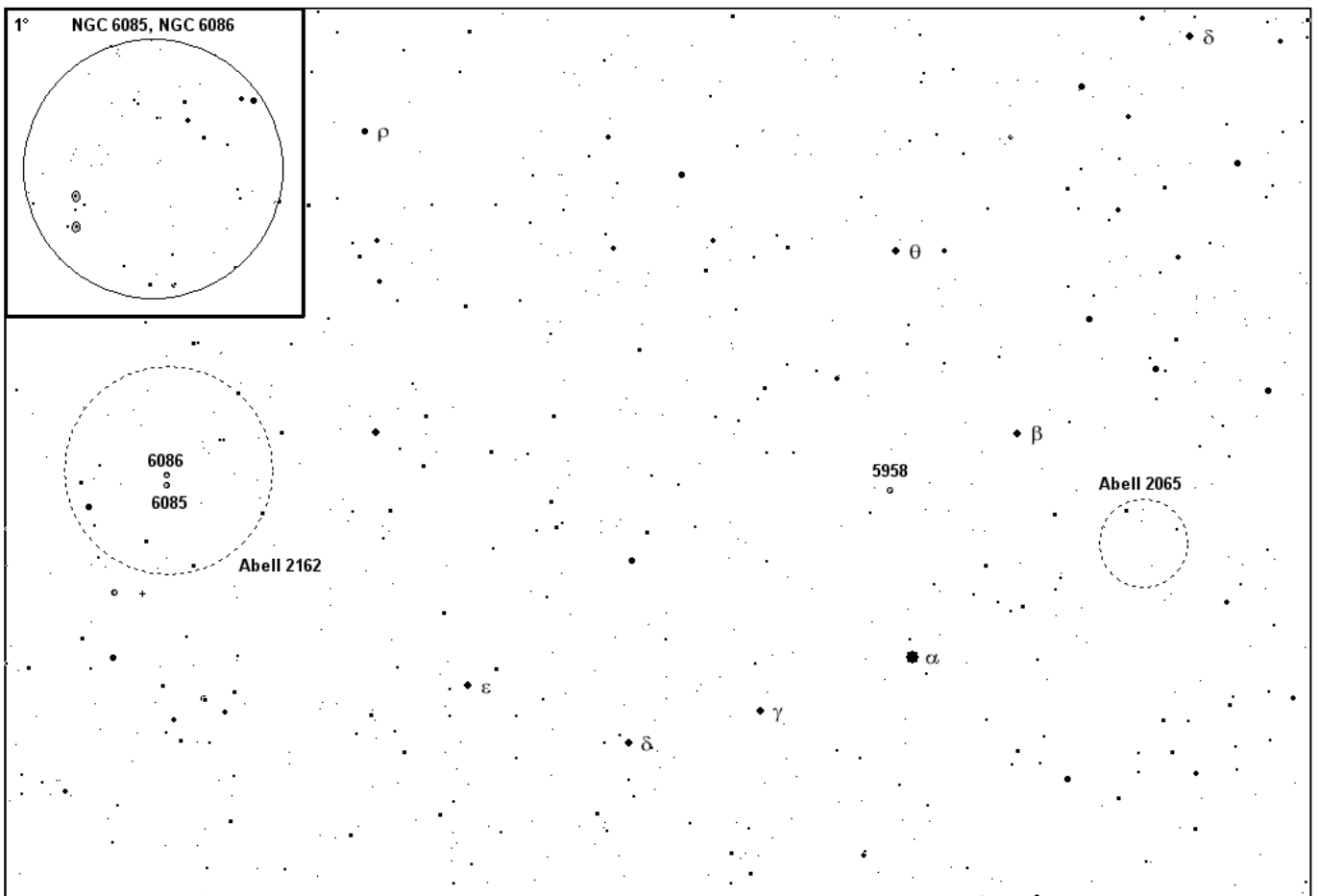
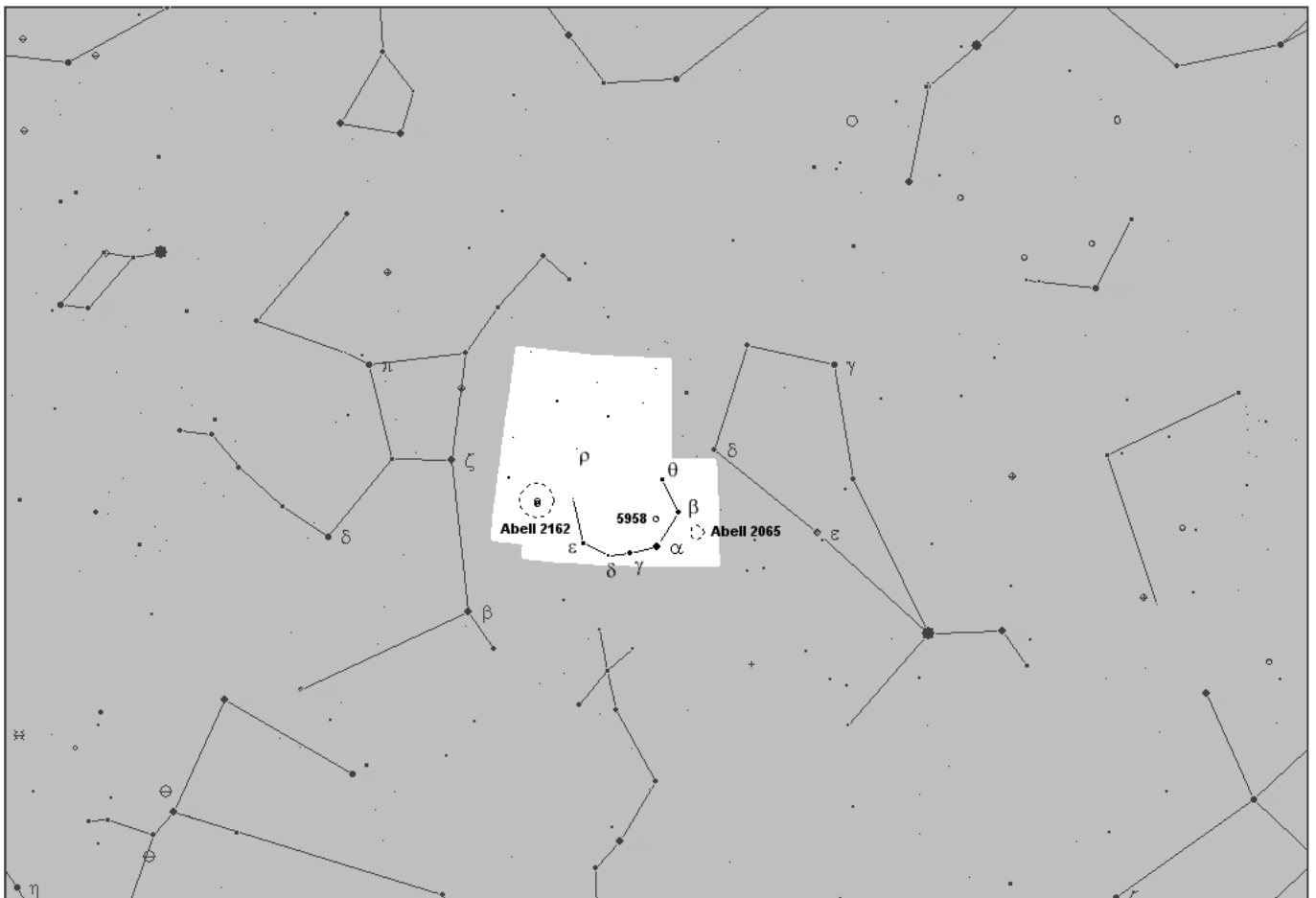


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NGC 4274, 4395, 4414, 4494, 4559, 4627, 4656, 4889 / Abell 1656 / HCG 61
M 64 / NGC 4274, 4494, 4559, 4565, 4725 / Abell 1656

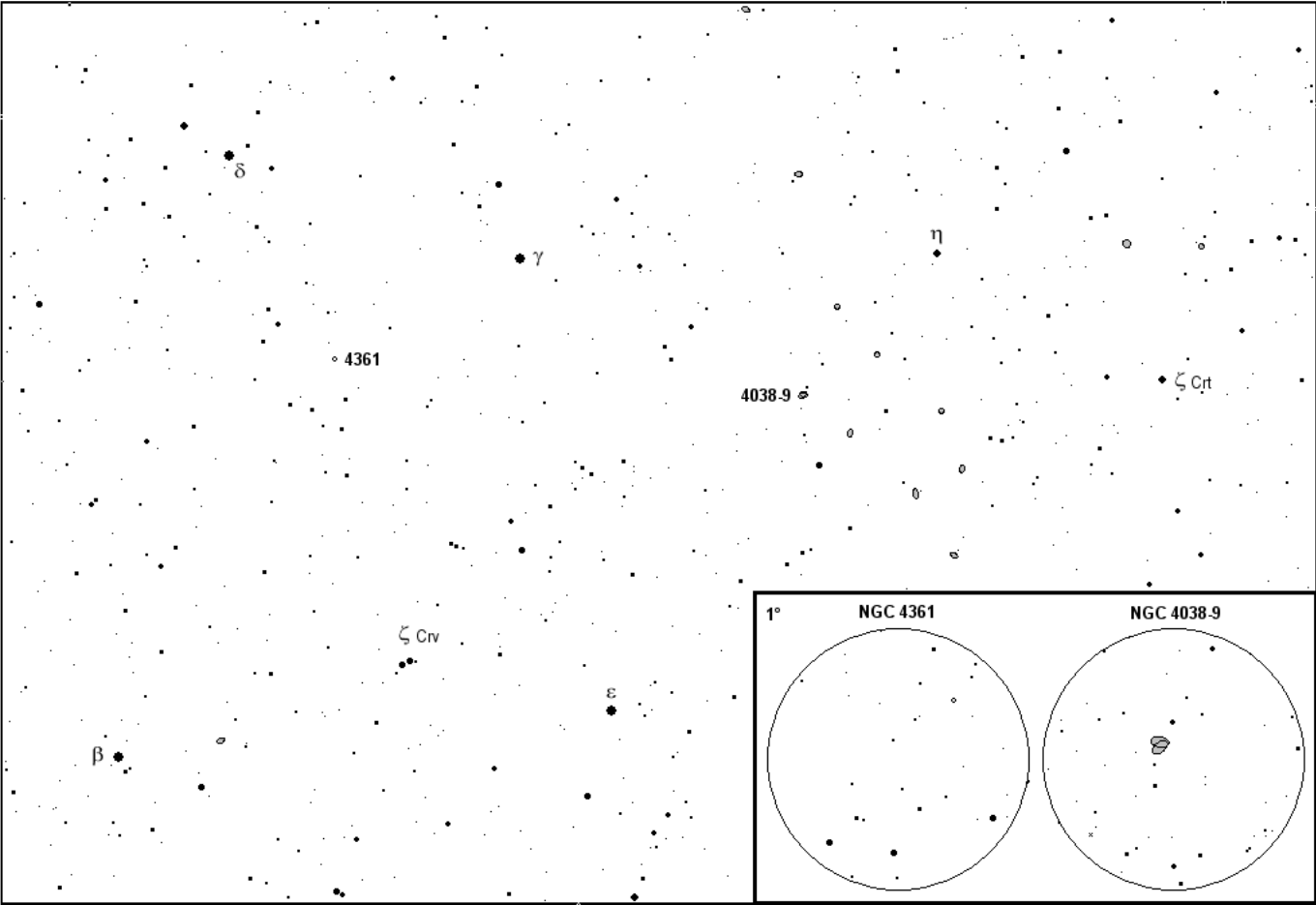
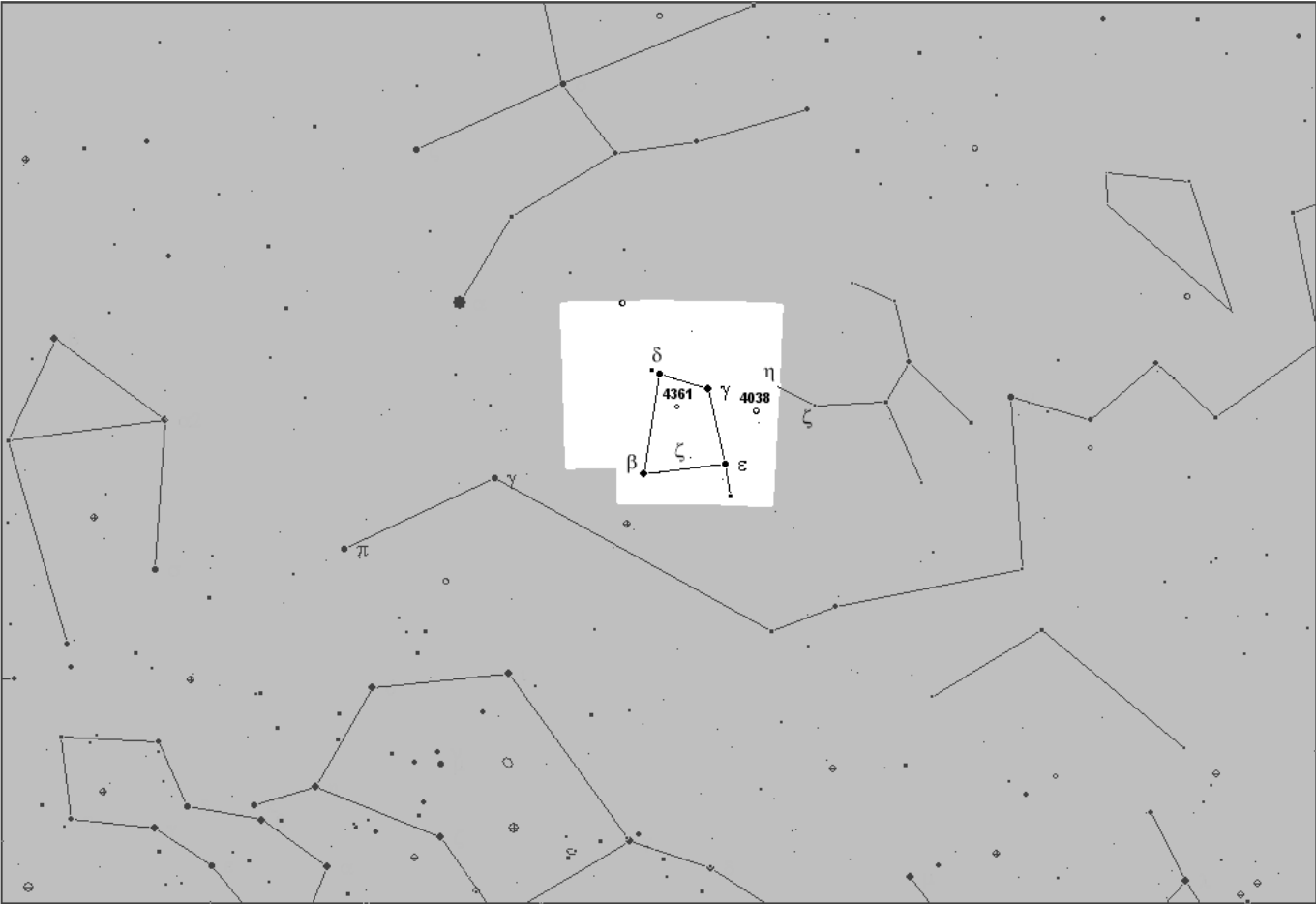
Corona Borealis - Severní koruna



NGC 5958, 6085, 6086 / Abell 2065, 2162

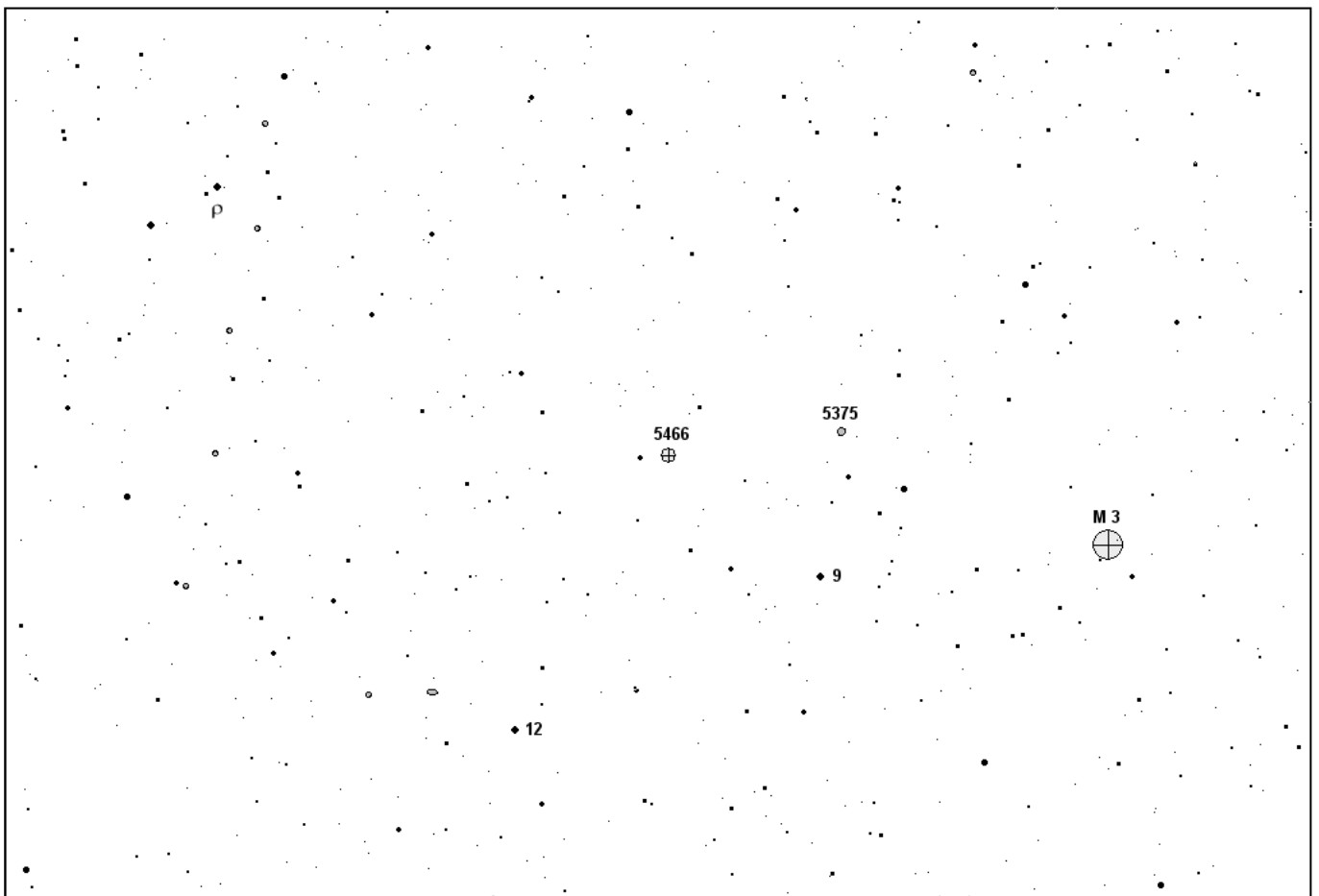
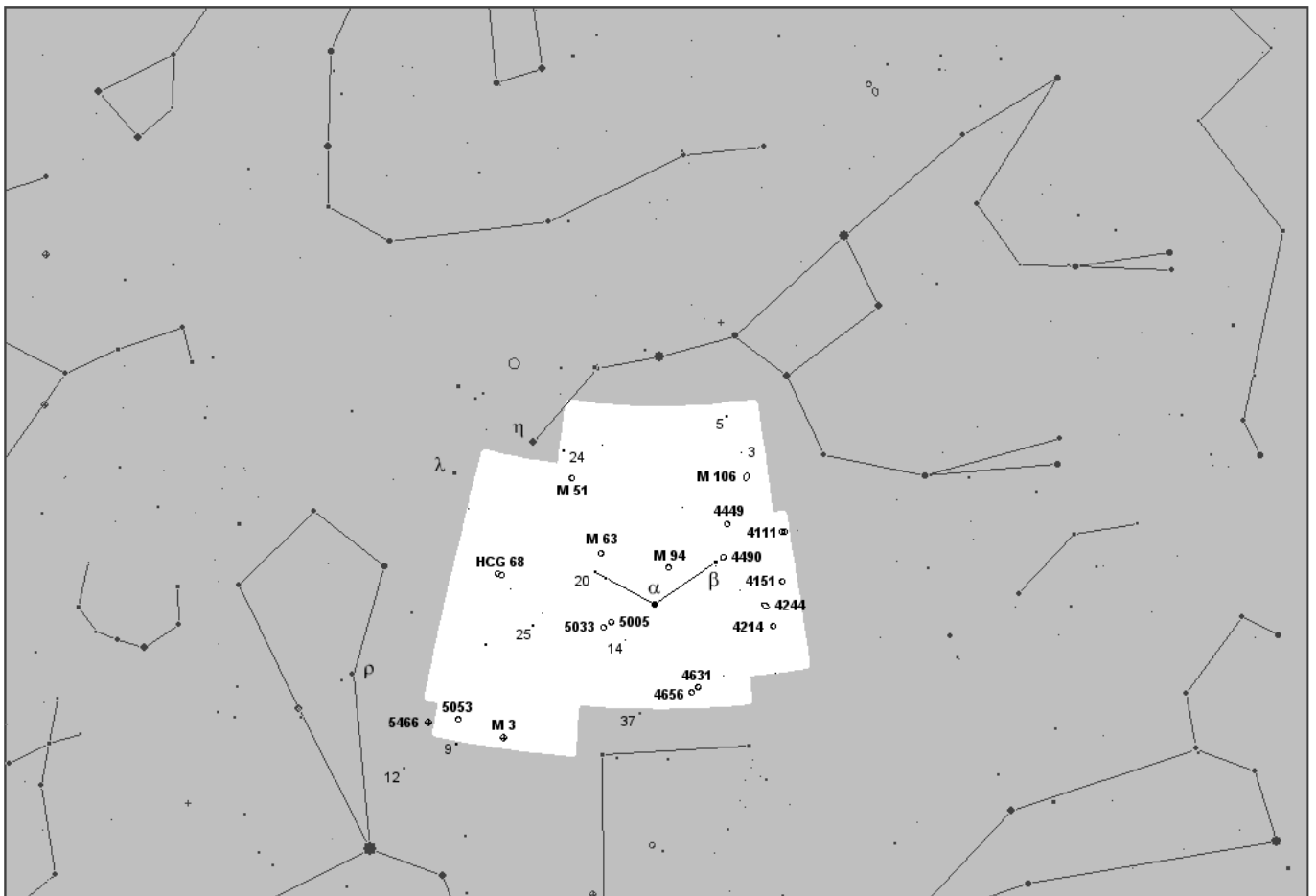
Corvus - Havran

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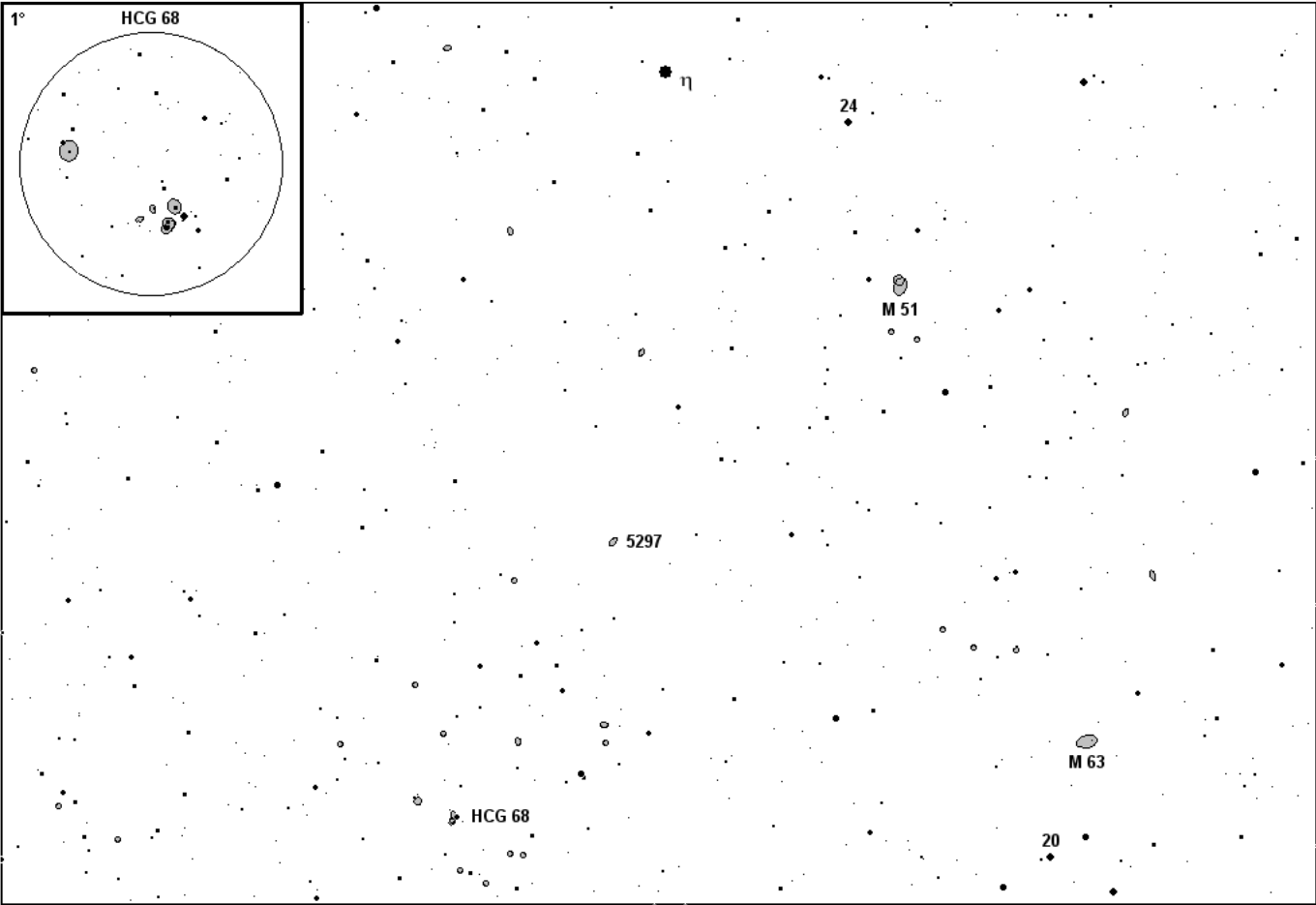
NGC 4038-9, 4361

Canes Venatici - Hónicí psy

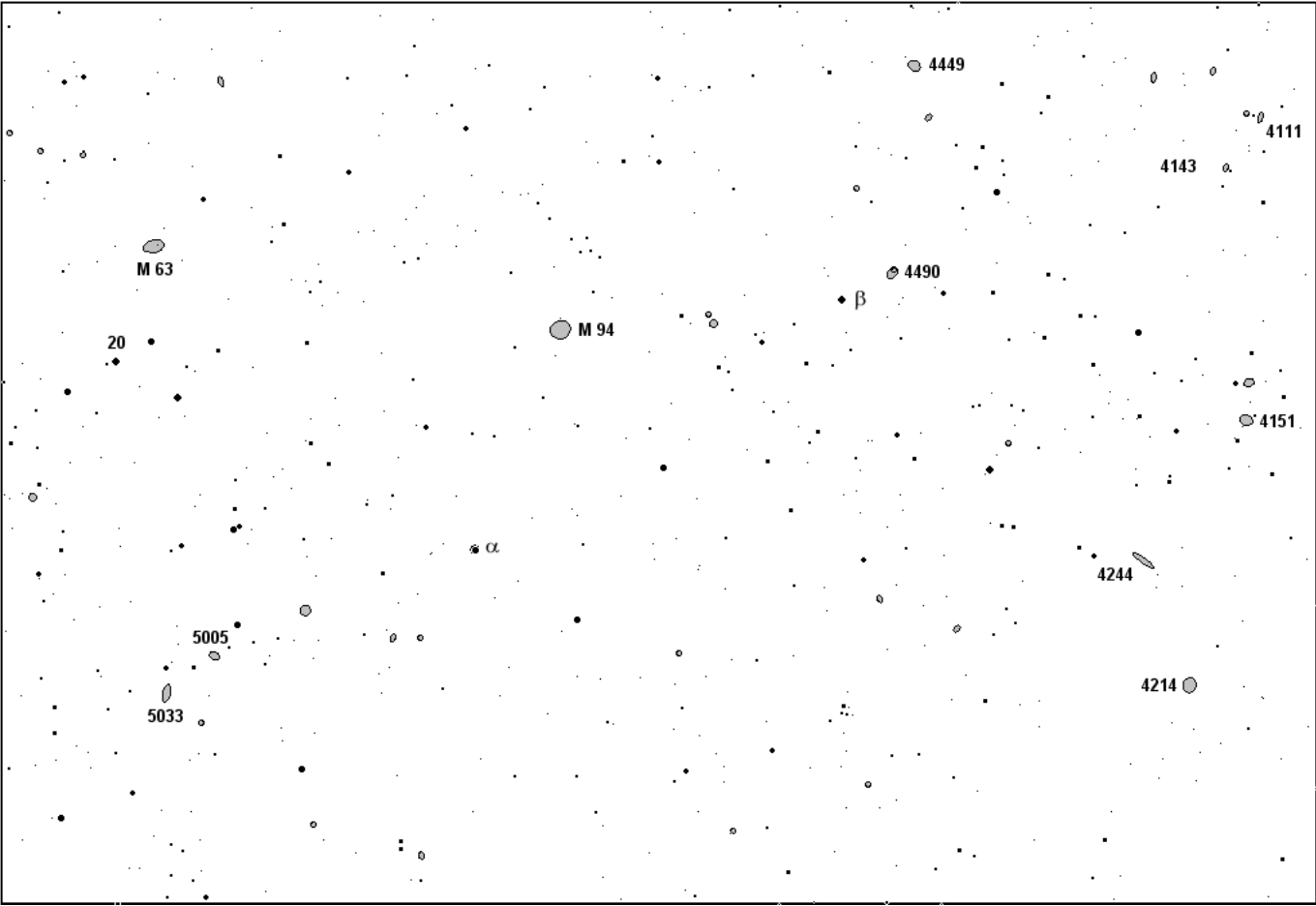


M 3 / NGC 5375, 5466

Canes Venatici - Honicí psy

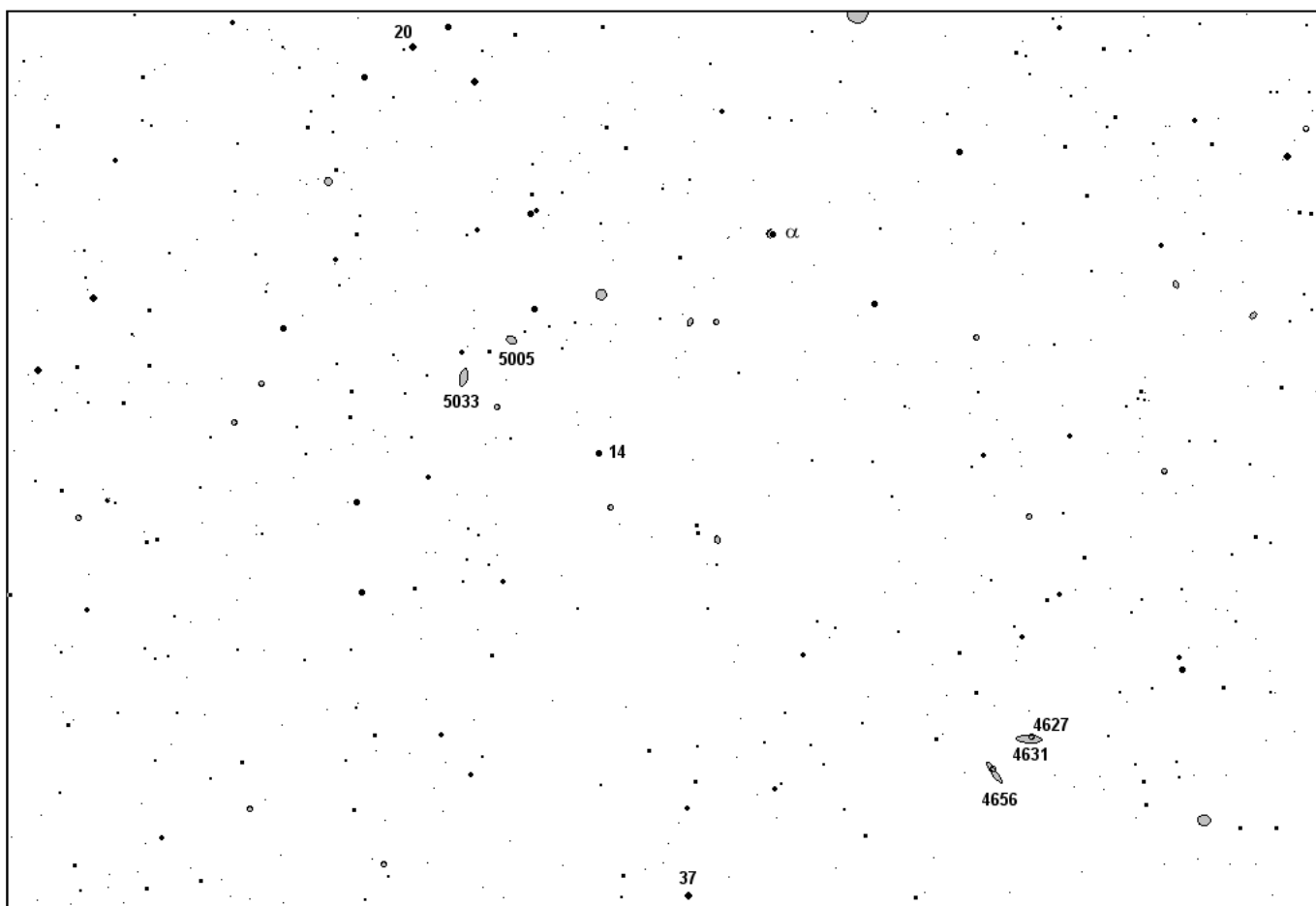
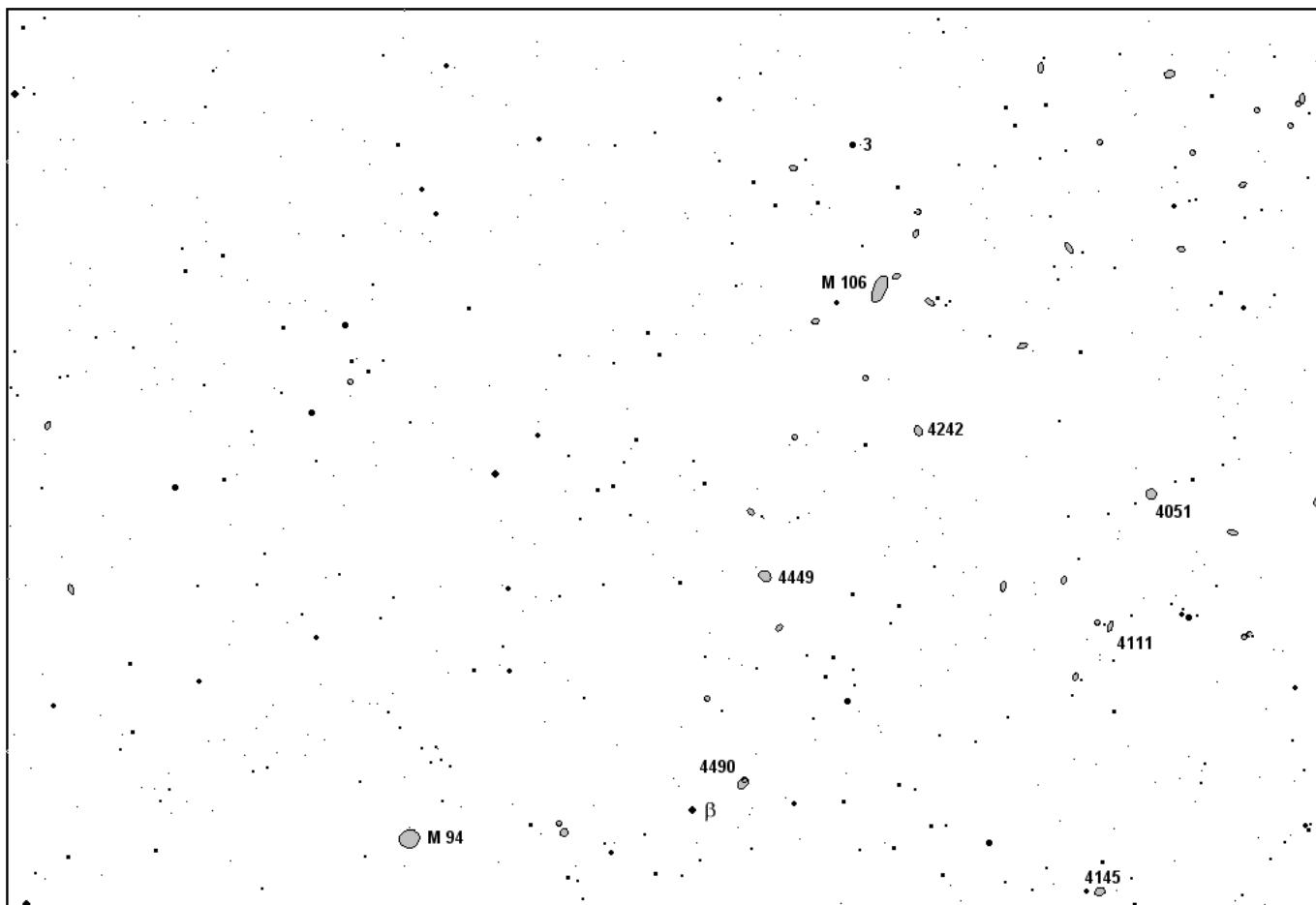


Deep Sky Atlas 2007



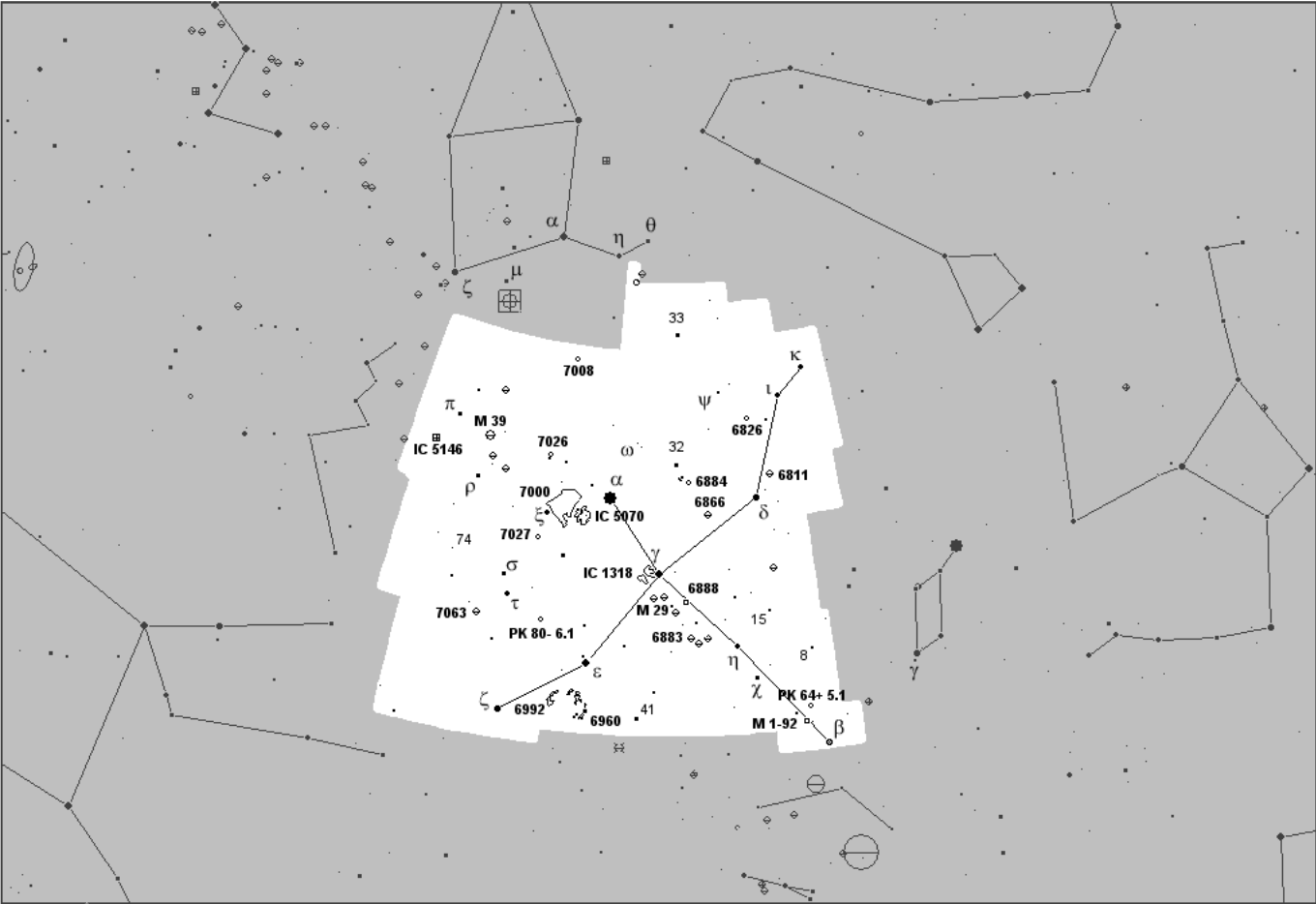
M 51, 63 / NGC 5297 / HCG 68
M 63, 94 / NGC 4111, 4143, 4151, 4214, 4244, 4449, 4490, 5005, 5033

Canes Venatici - Hónicí psy

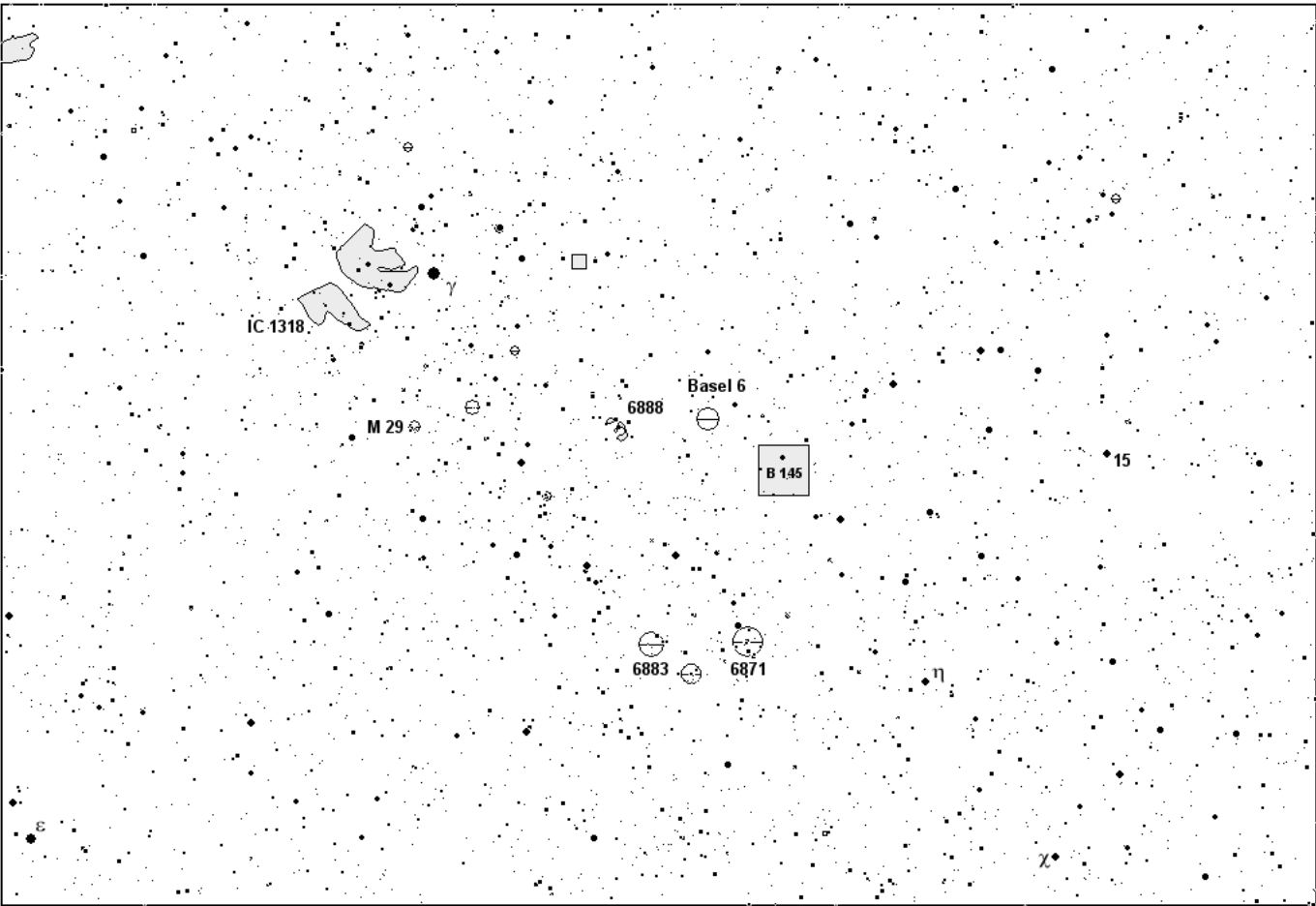


M 94, 106 / NGC 4051, 4111, 4145, 4242, 4449, 4490
NGC 4627, 4631, 4656, 5005, 5033

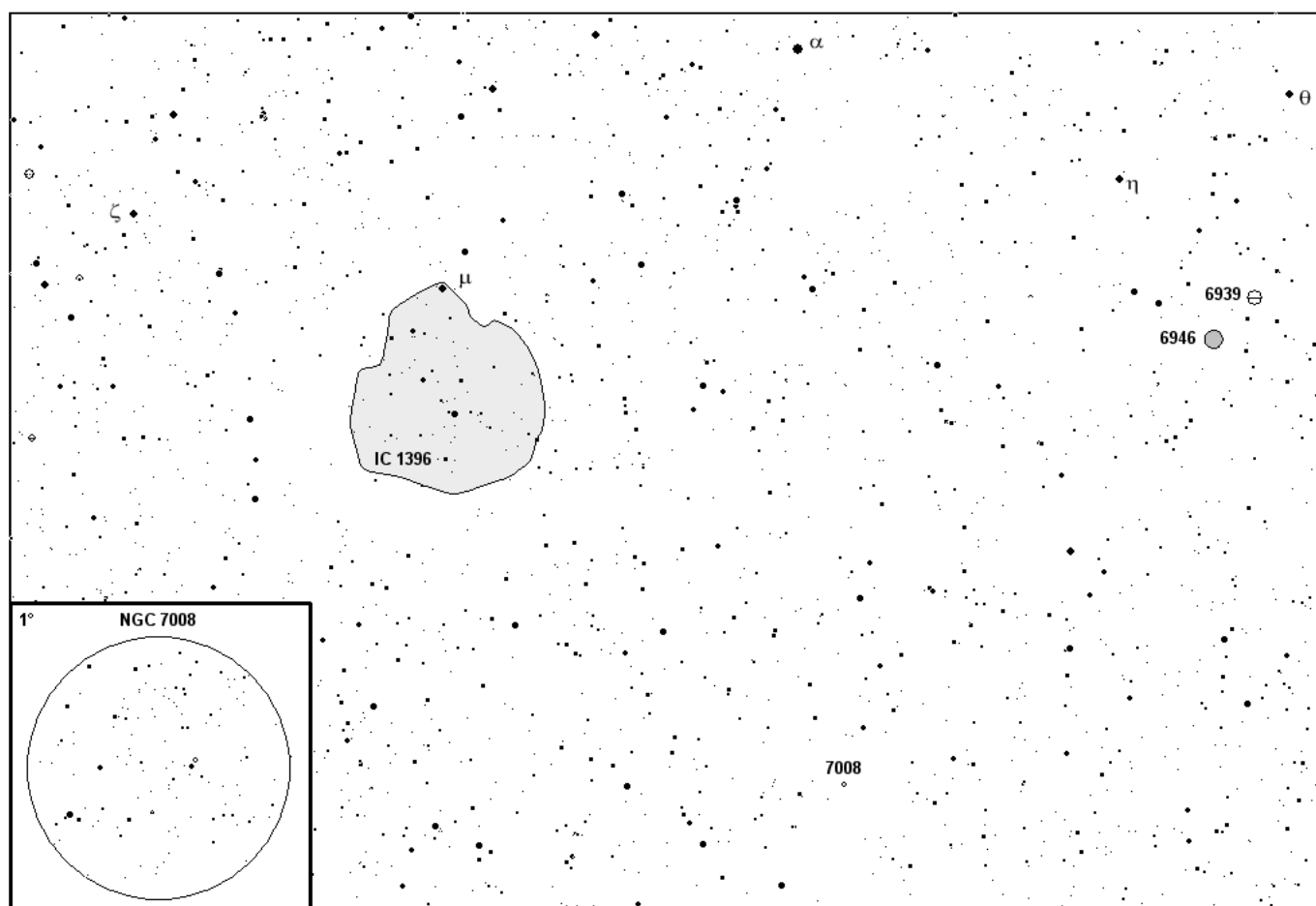
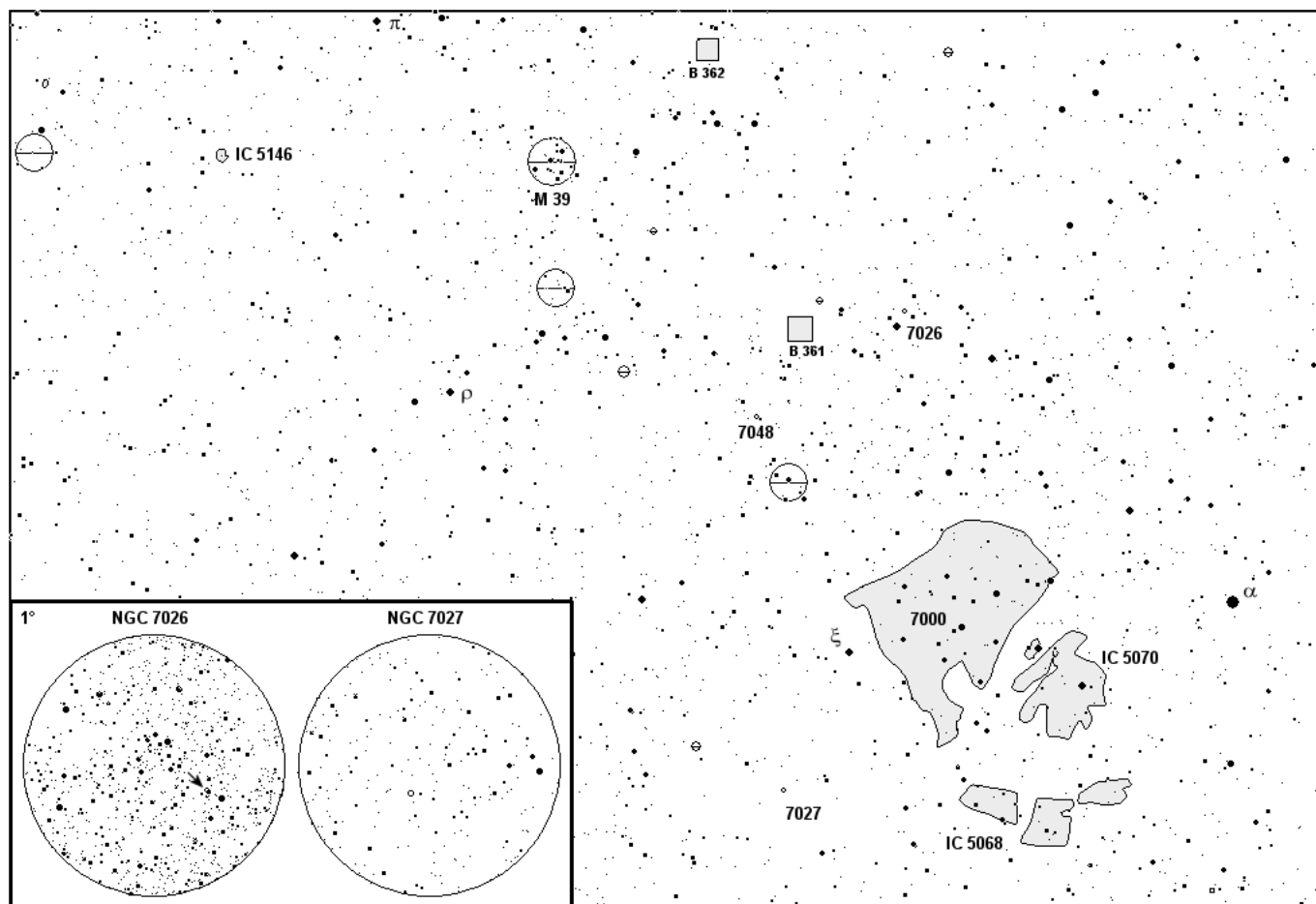
Cygnus - Labut'



Deep Sky Atlas 2007

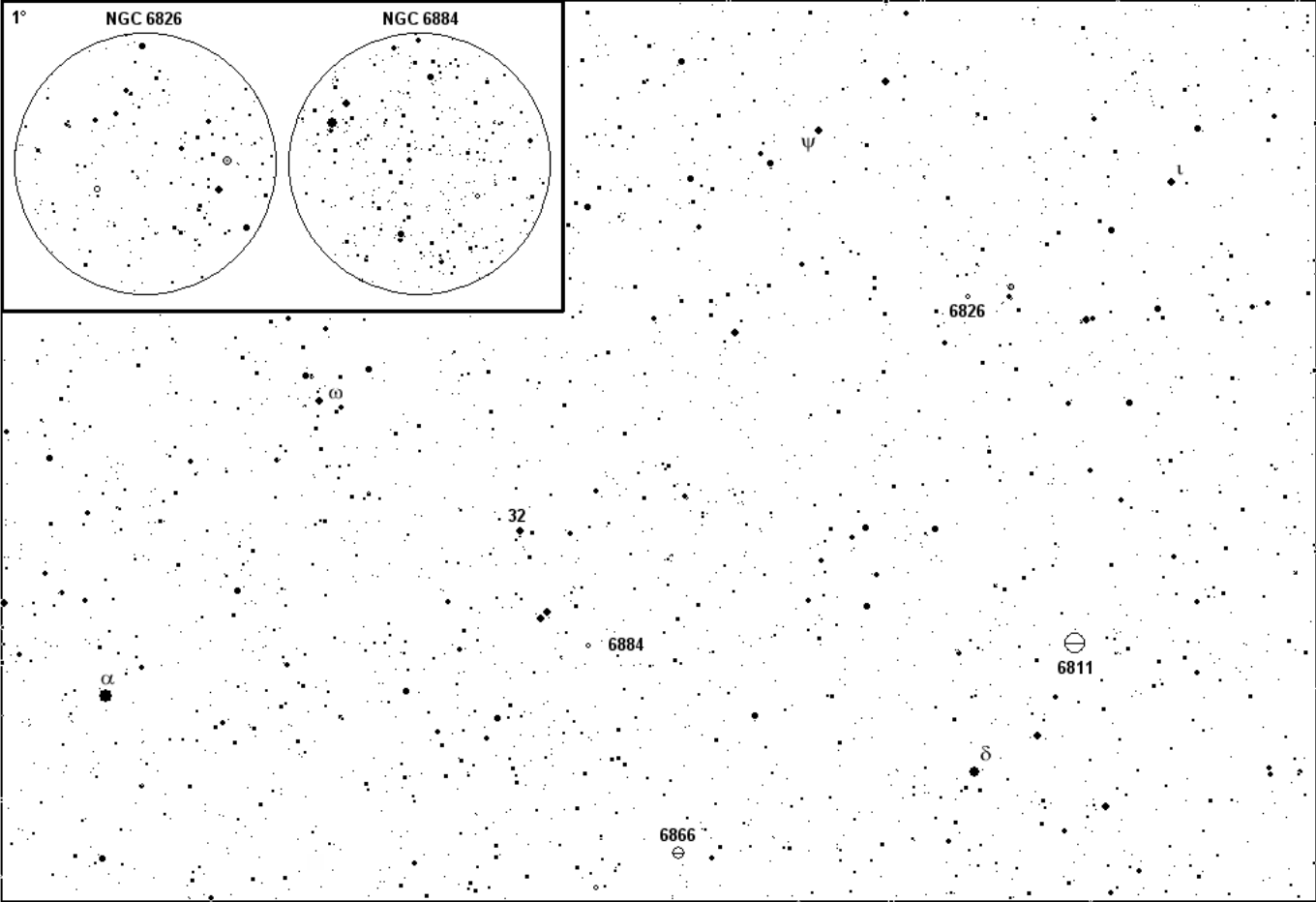


M 29 / NGC 6871, 6883, 6886 / IC 1318 / Basel 6 / B 145

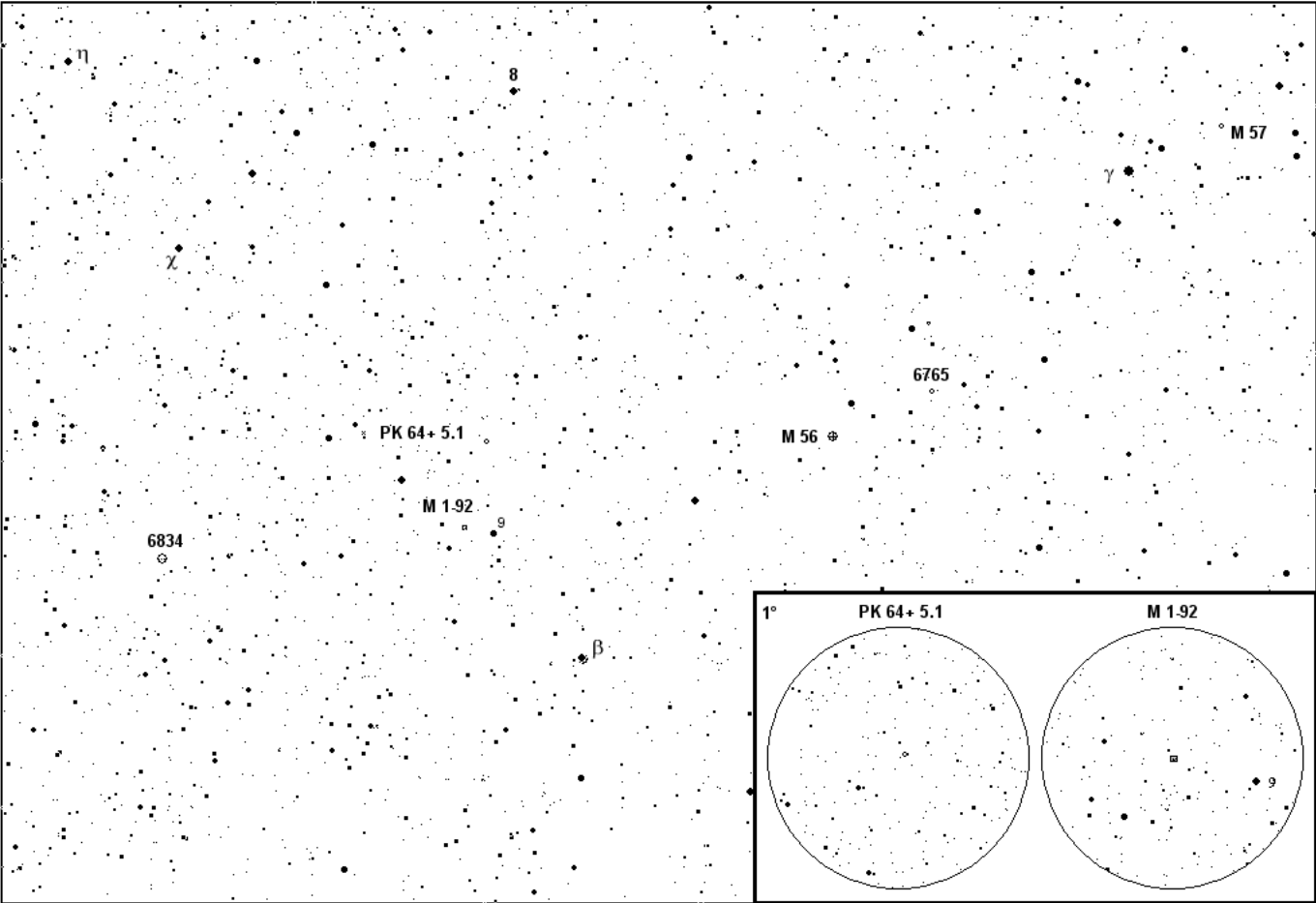


M 39 / NGC 7000, 7026, 7027, 7048 / IC 5068, 5070, 5146 / B 361, 362
 NGC 6939, 6946, 7008 / IC 1396

Cygnus - Labut'

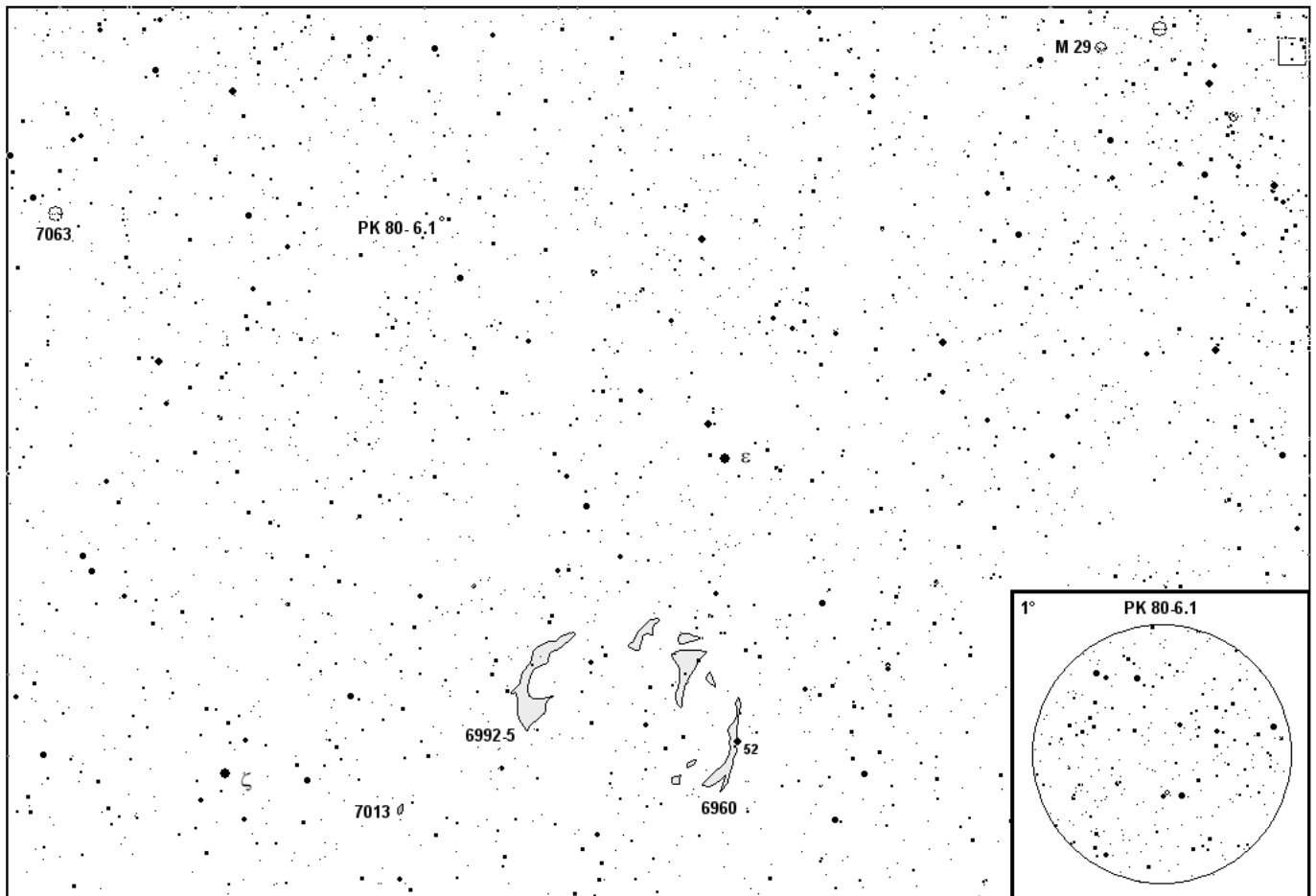


Deep Sky Atlas 2007



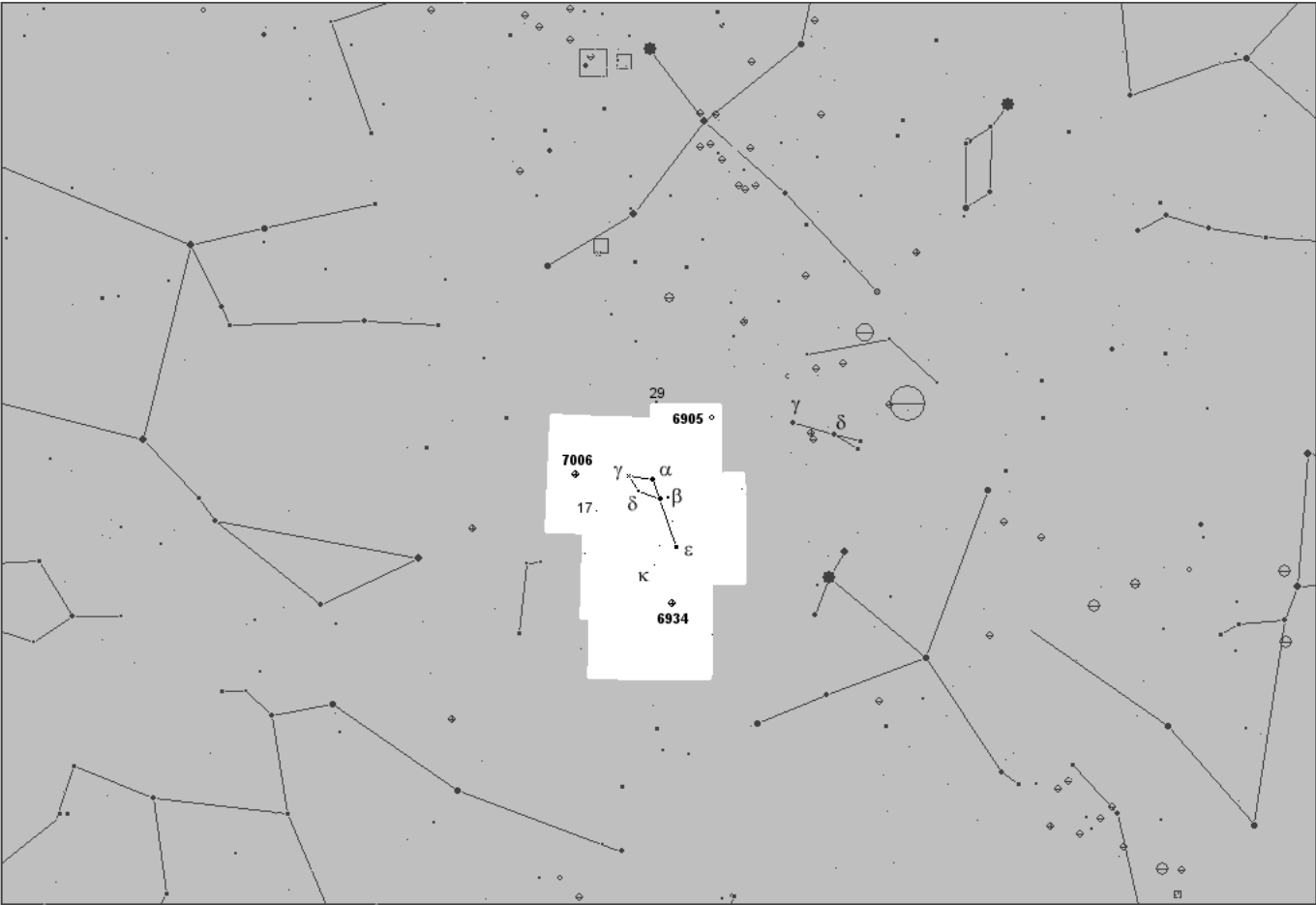
NGC 6811, 6826, 6866, 6884
M 56, 57 / NGC 6765, 6834 / PK 64+5.1 / M1-92

Cygnus - Labut'

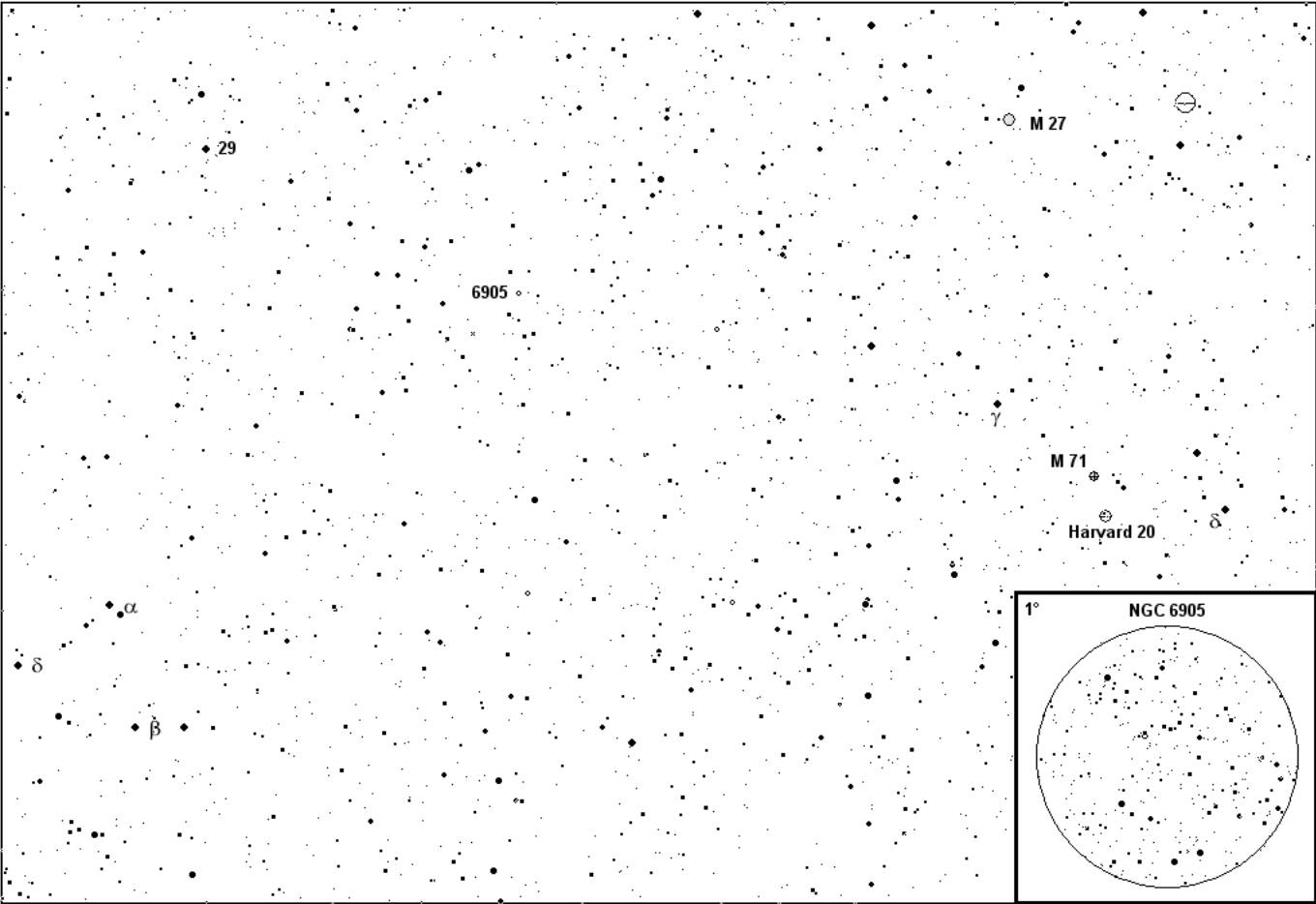


M 29 / NGC 6960, 6992-5, 7013, 7063 / PK 80 -6.1

Delphinus - Delfín

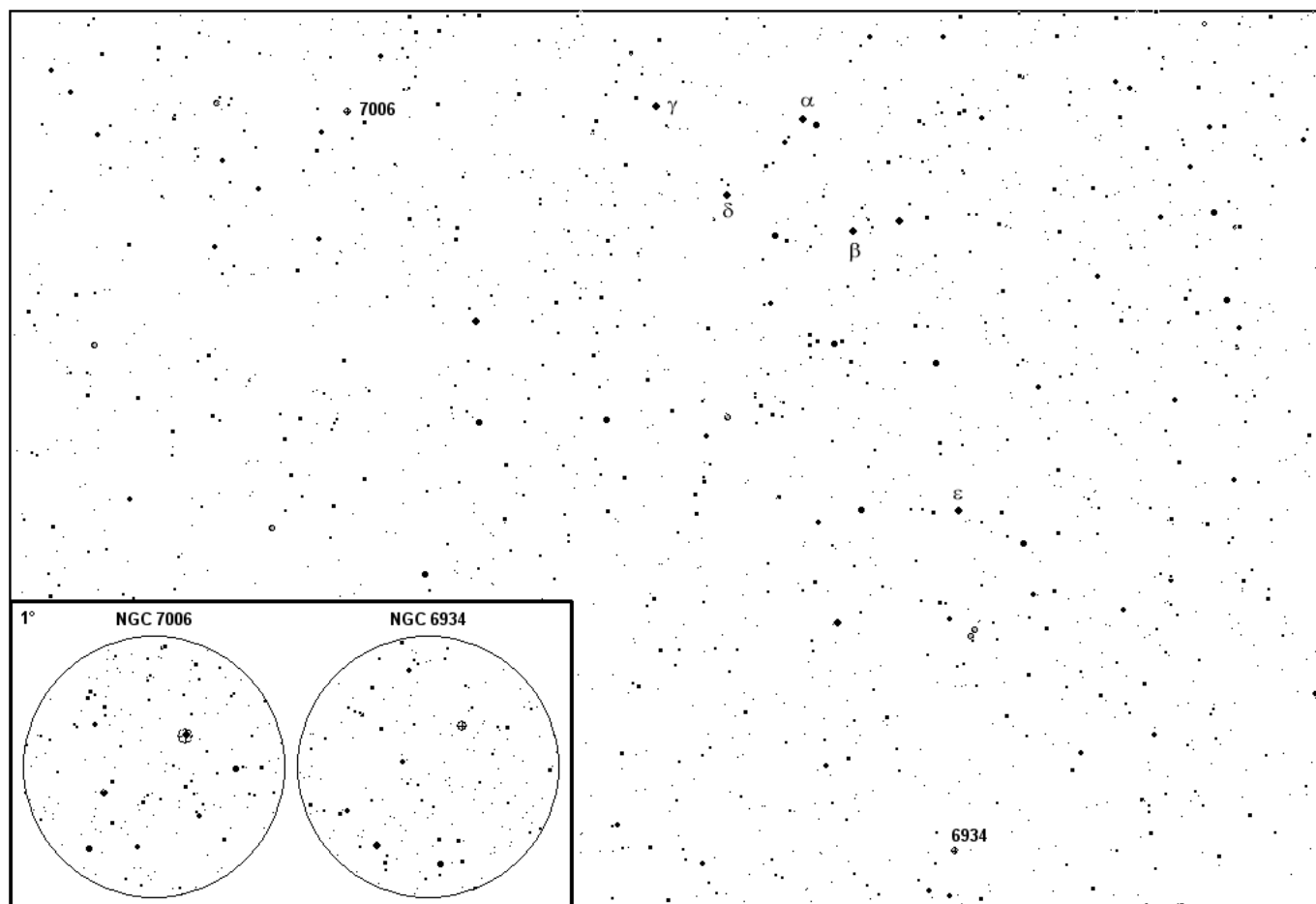


Deep Sky Atlas 2007



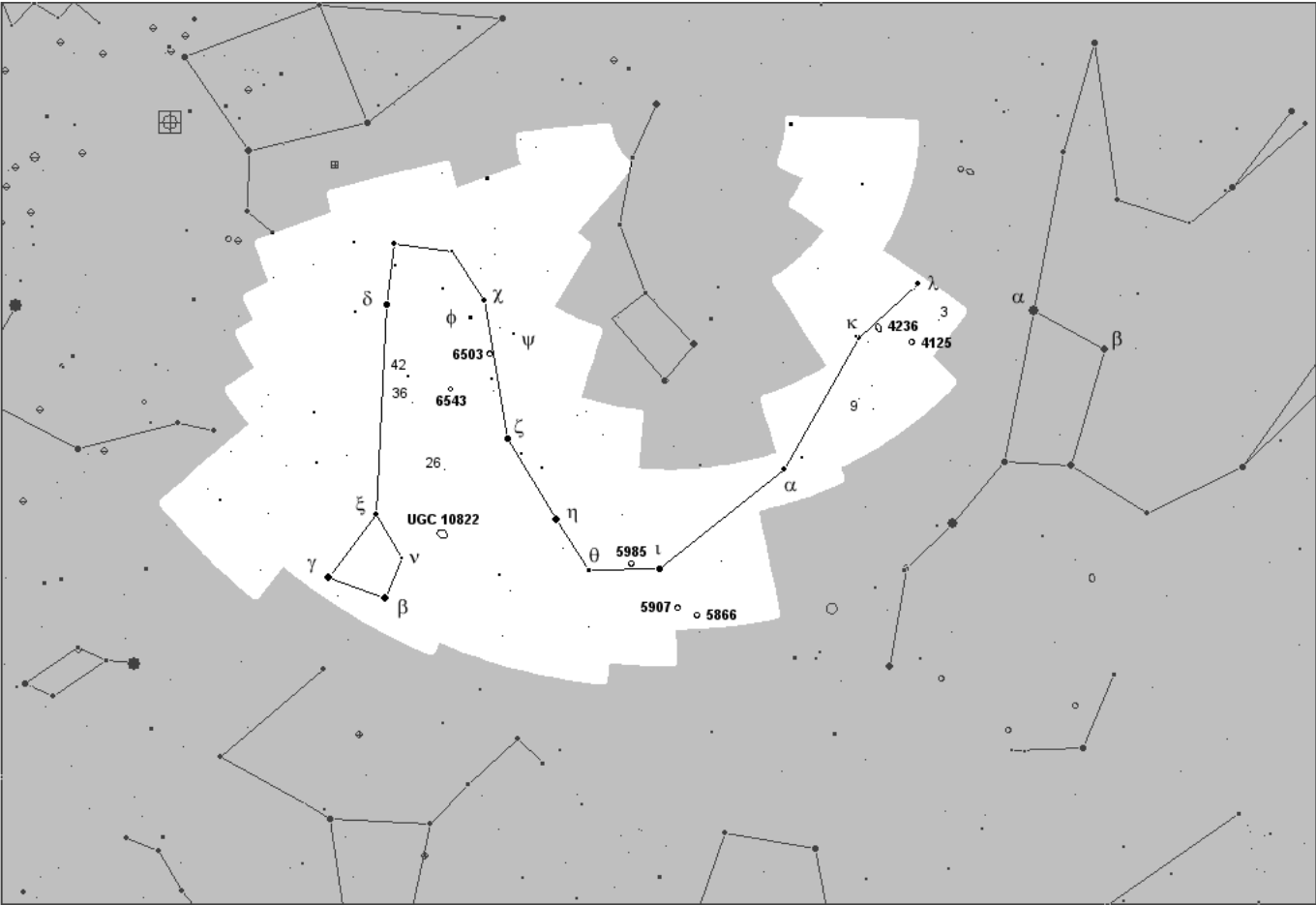
M 27, 71 / NGC 6905 / Harvard 20

Delphinus - Delfín

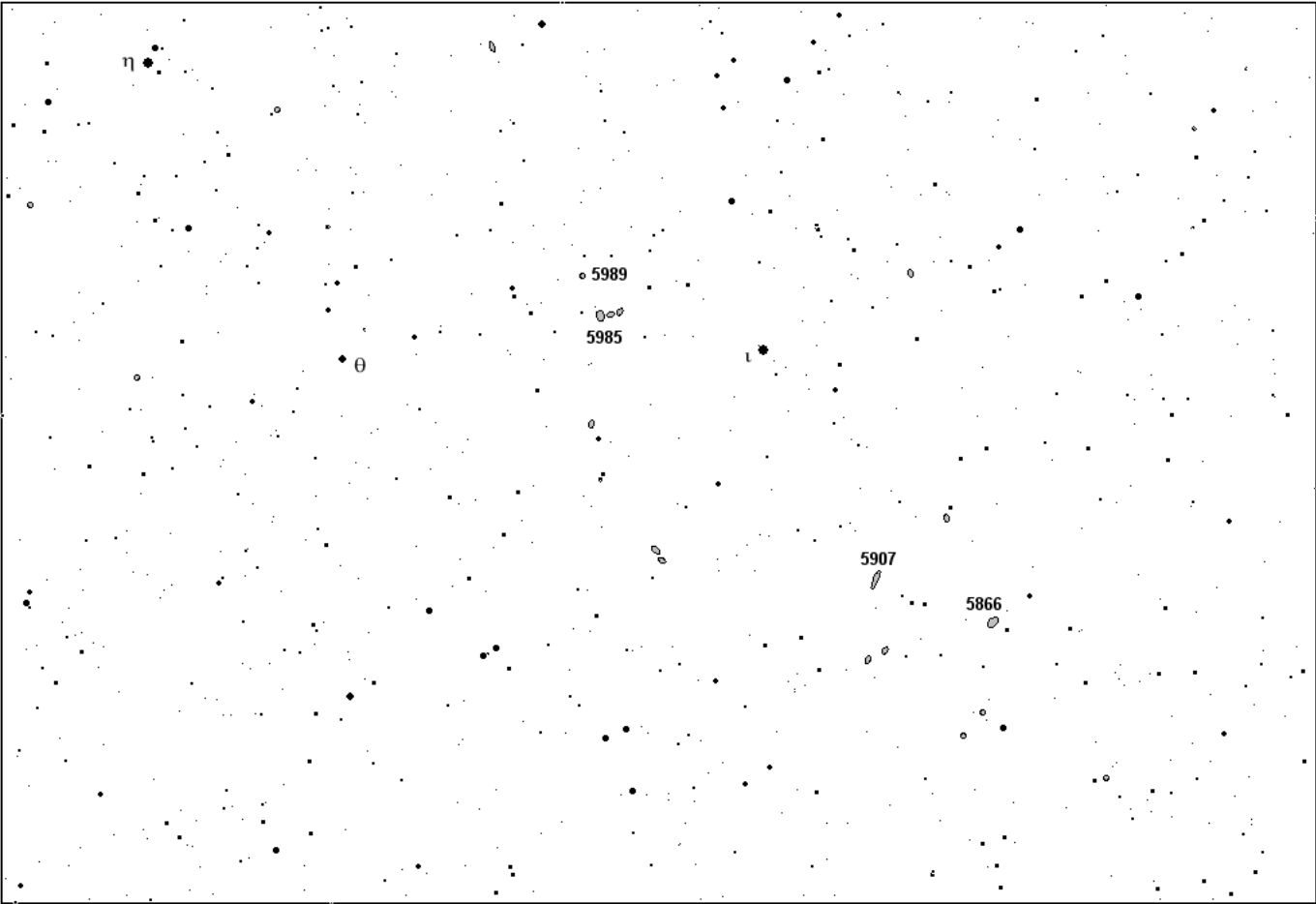


NGC 6934, 7006

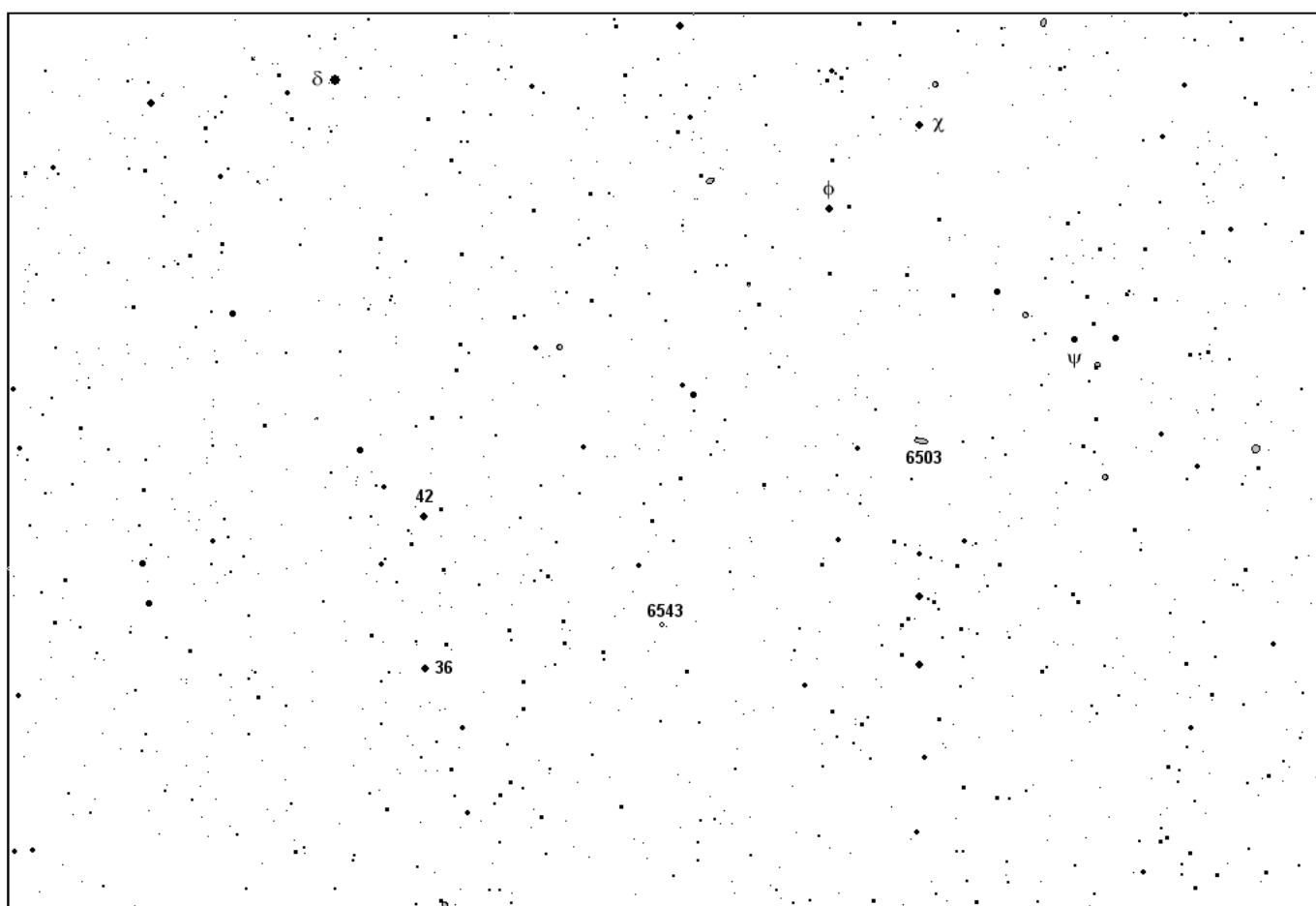
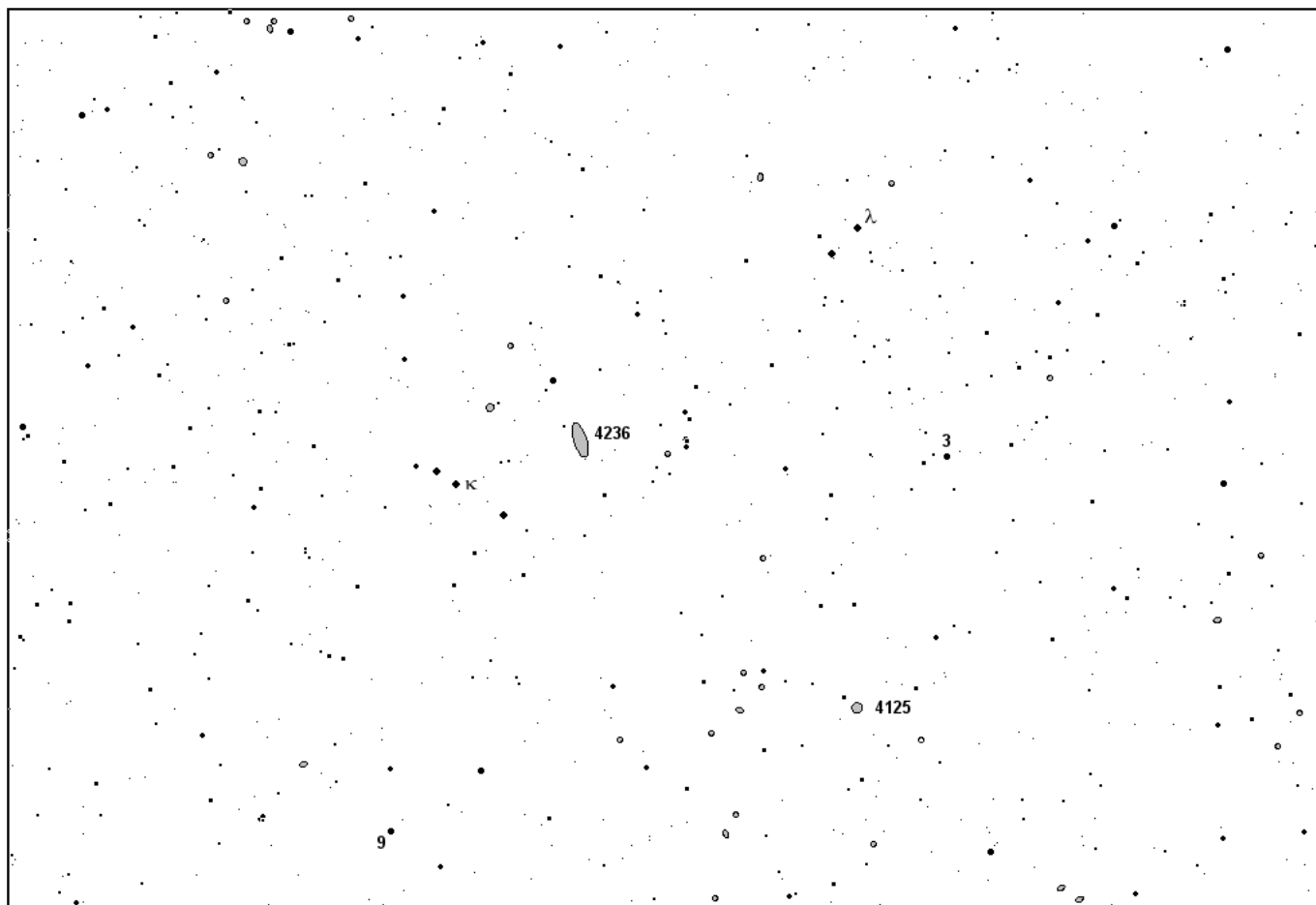
Draco - Drak



Deep Sky Atlas 2007

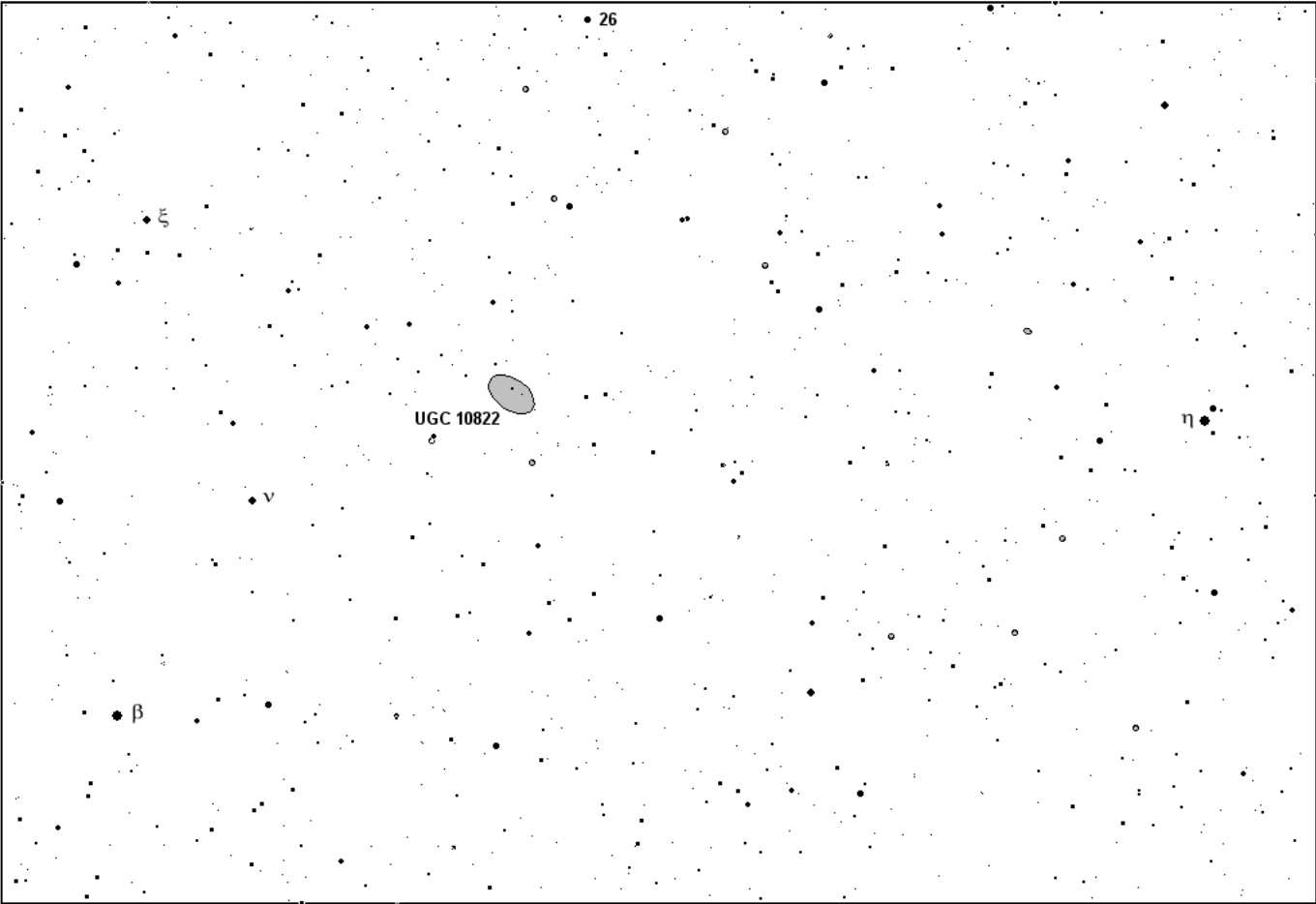


NGC 5866, 5907, 5985, 5989

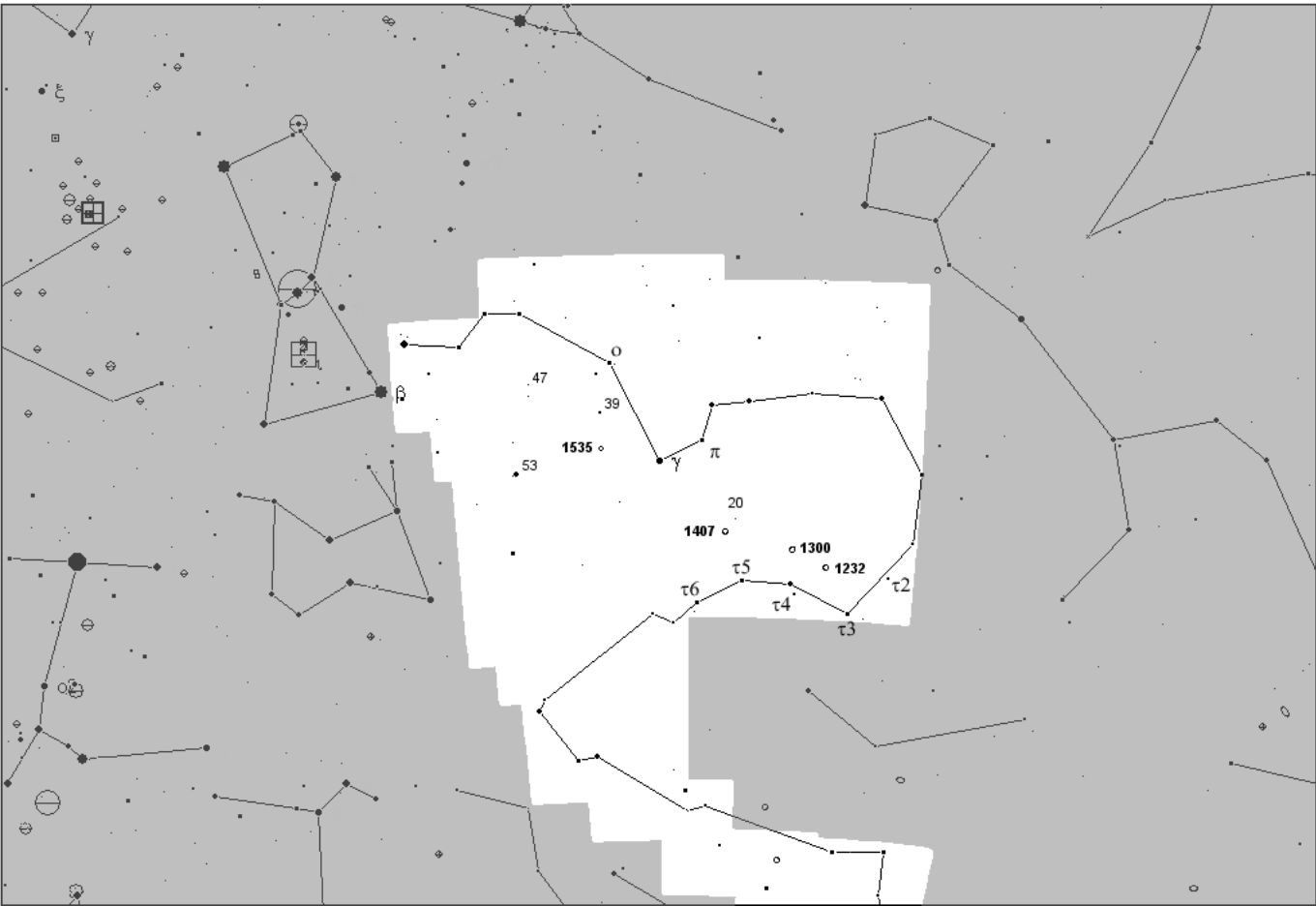


NGC 4125, 4236
NGC 6503, 6543

Draco - Drak / Eridanus - Řeka Eridanus

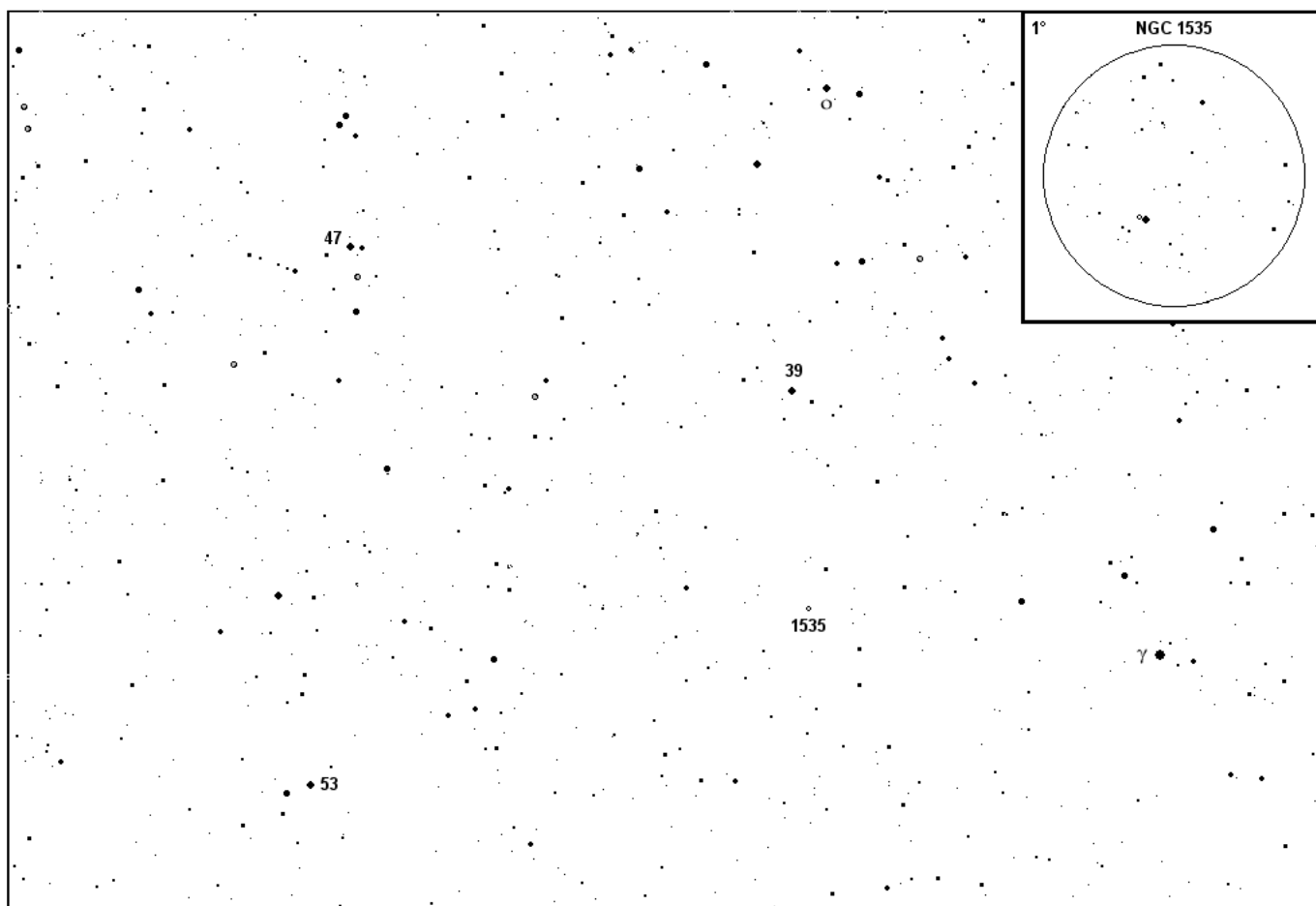
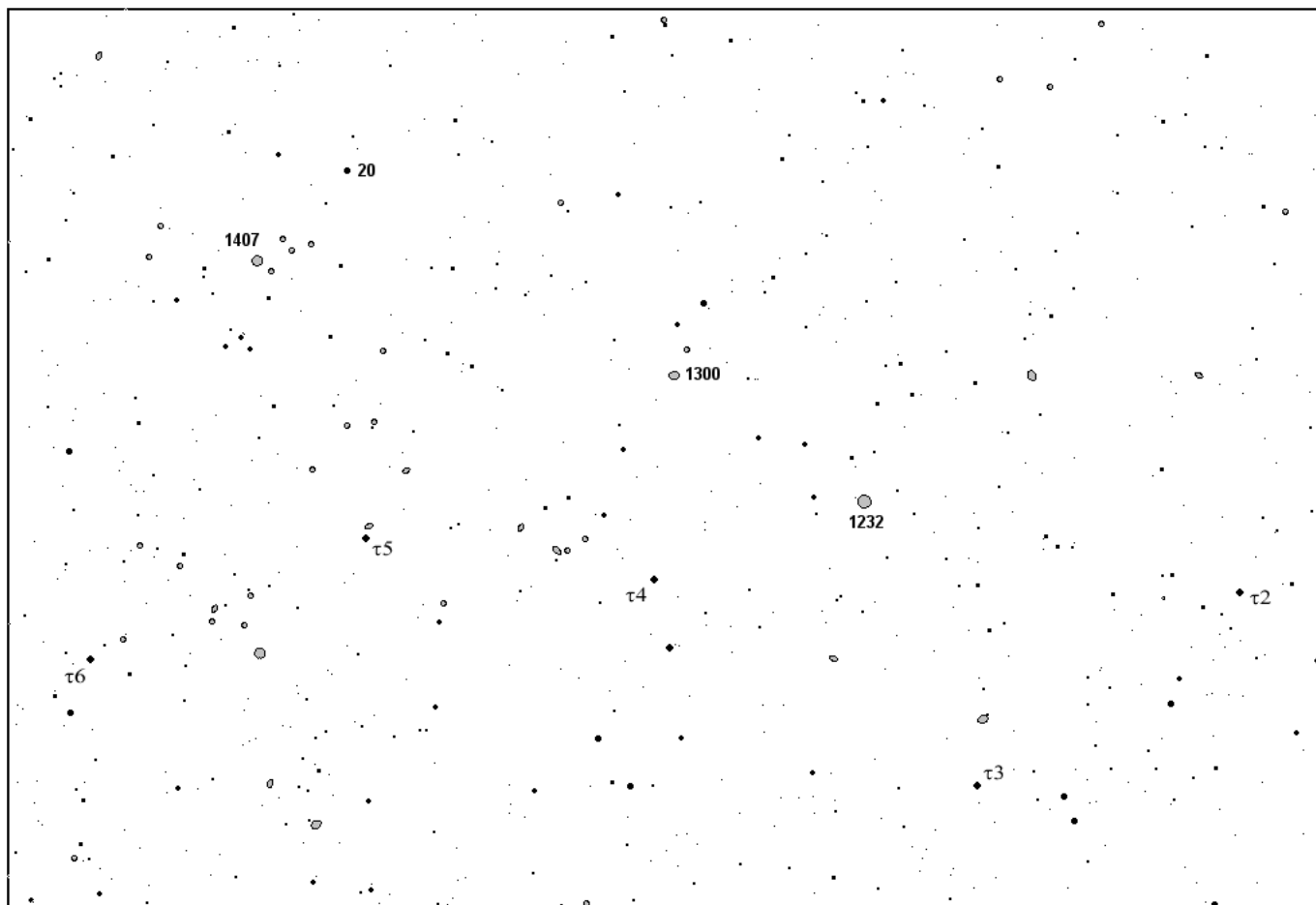


Deep Sky Atlas 2007



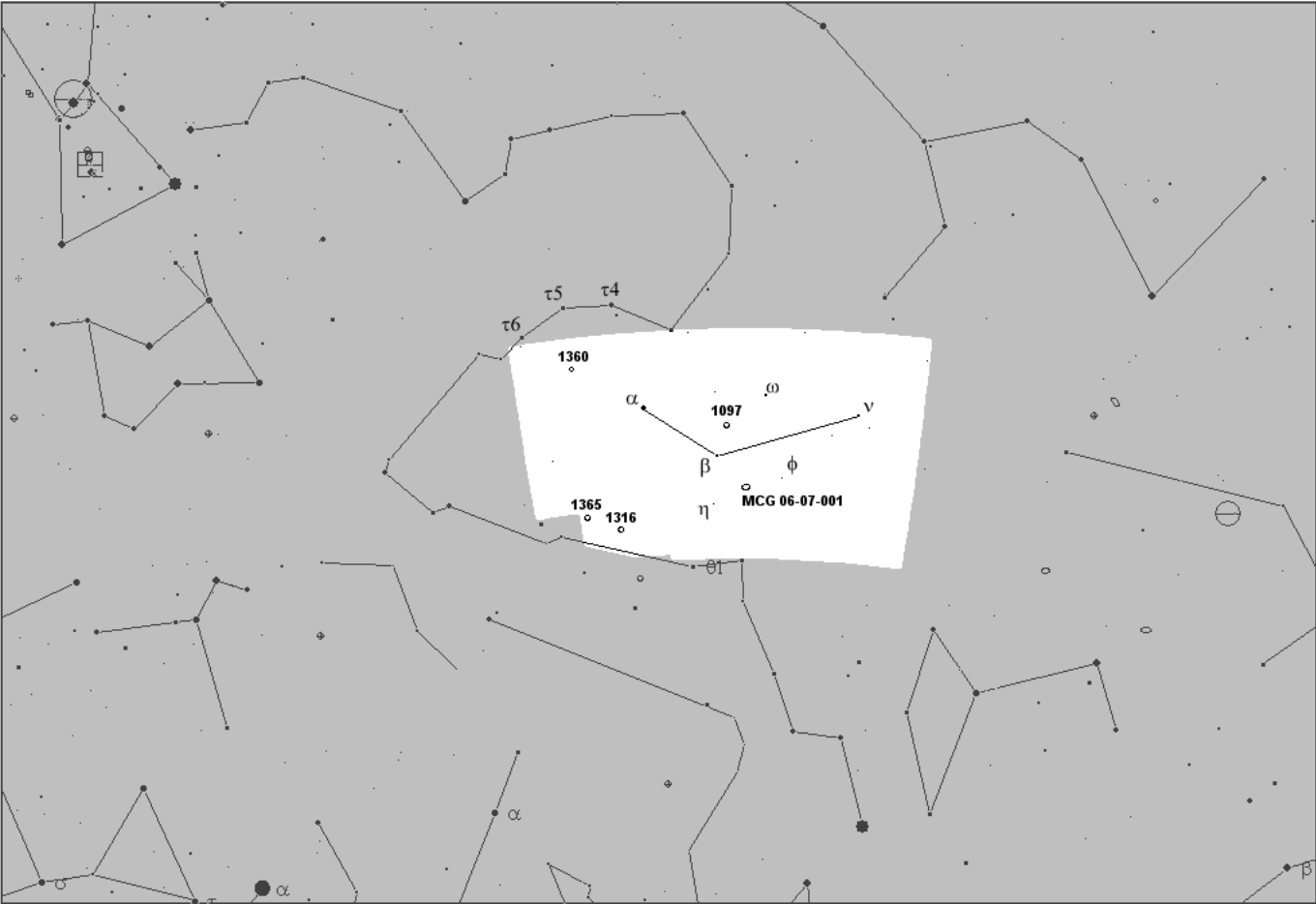
UGC 10822

Eridanus - Řeka Eridanus

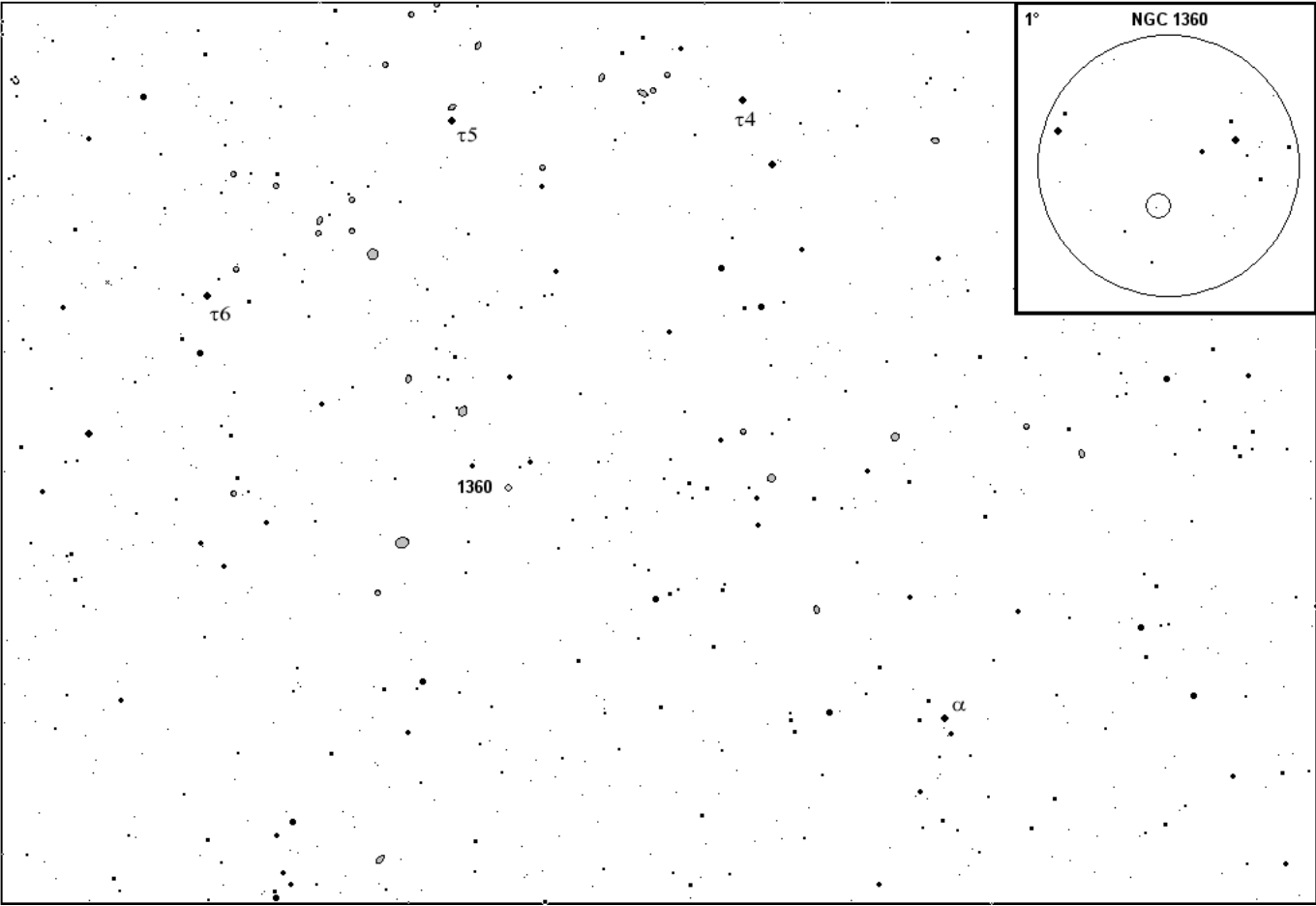


NGC 1232, 1300, 1407
NGC 1535

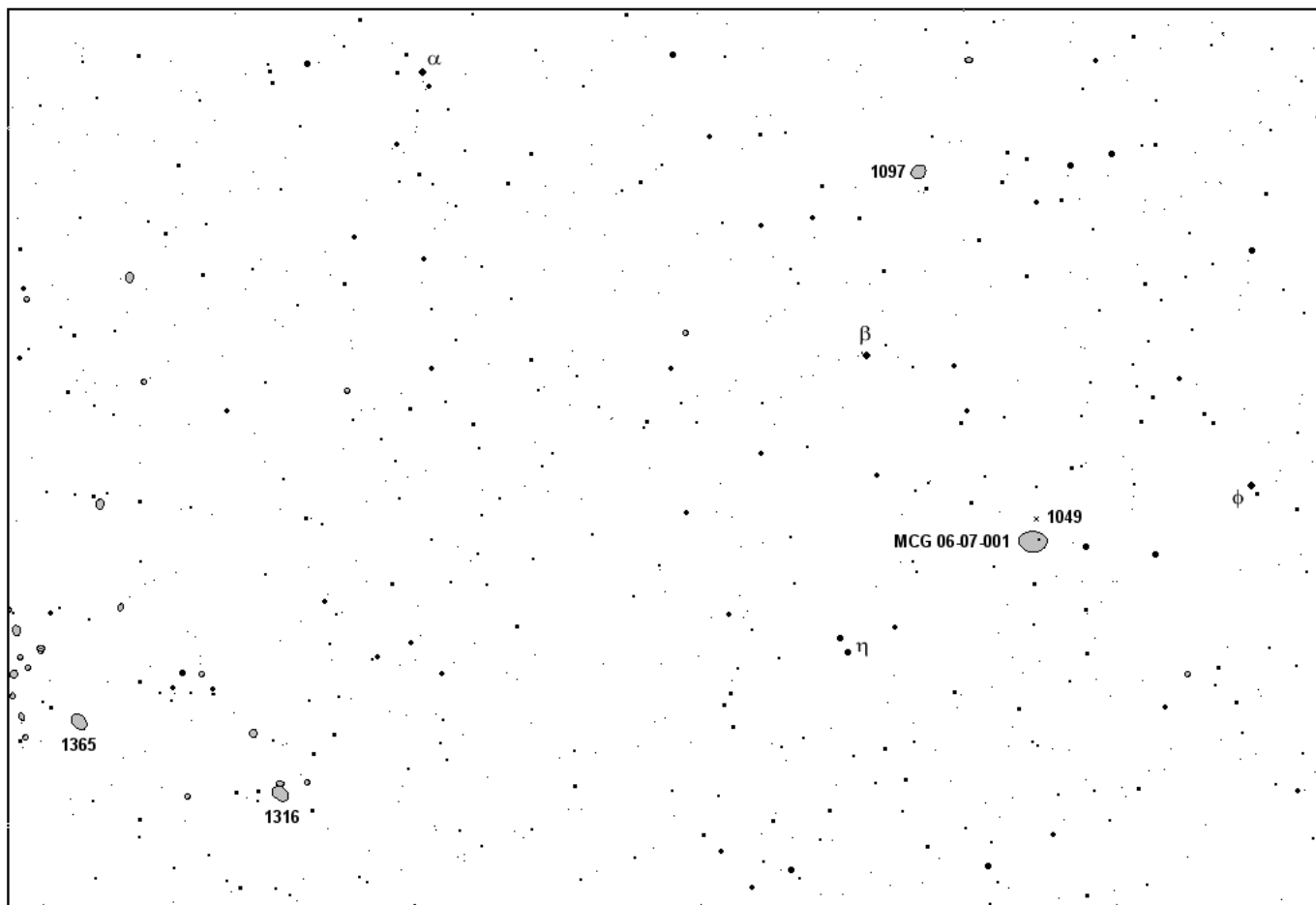
Fornax - Pec



Deep Sky Atlas 2007

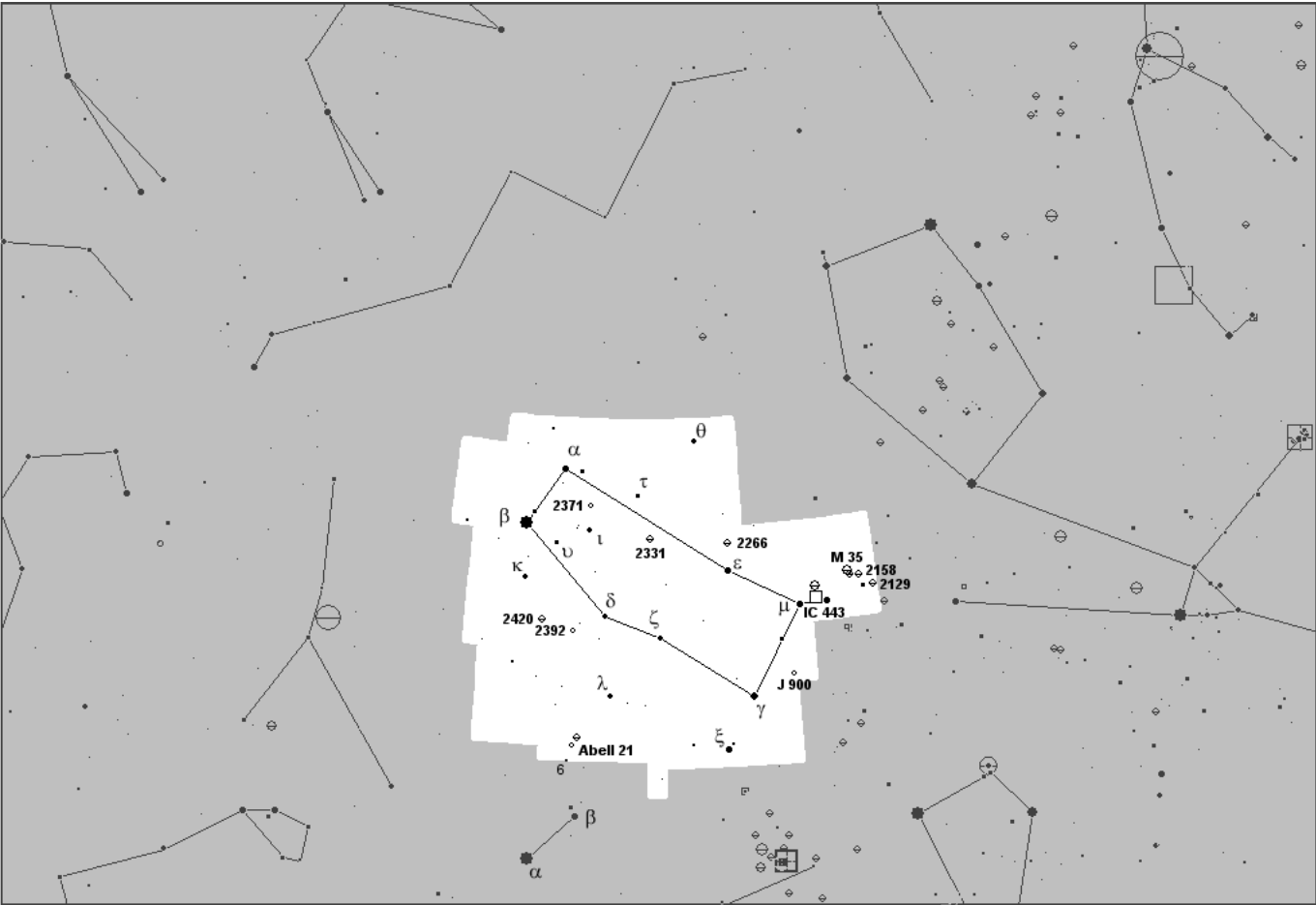


NGC 1360

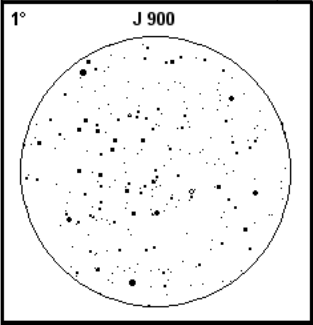
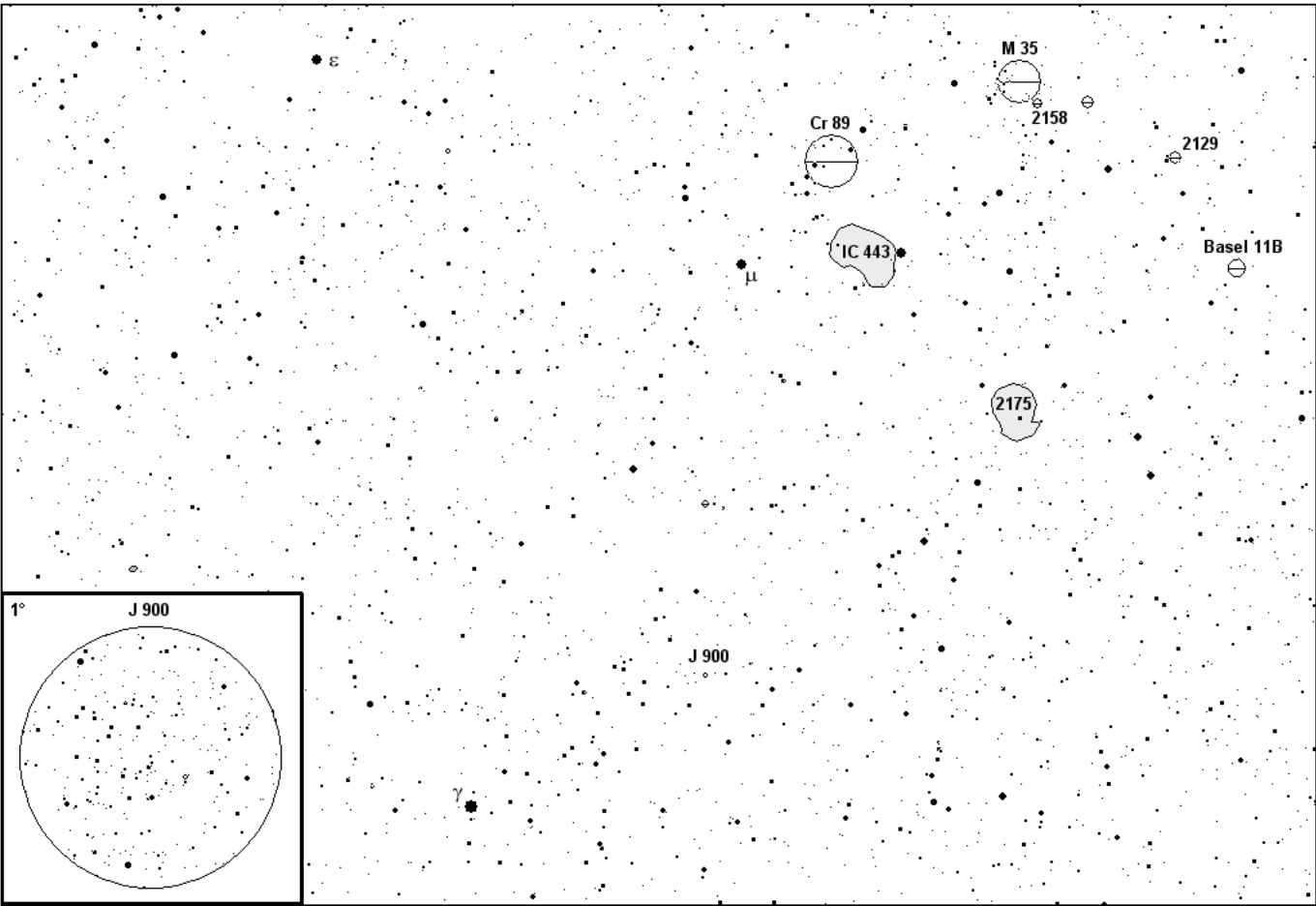


NGC 1049, 1097, 1316, 1365 / MCG 06-07-001

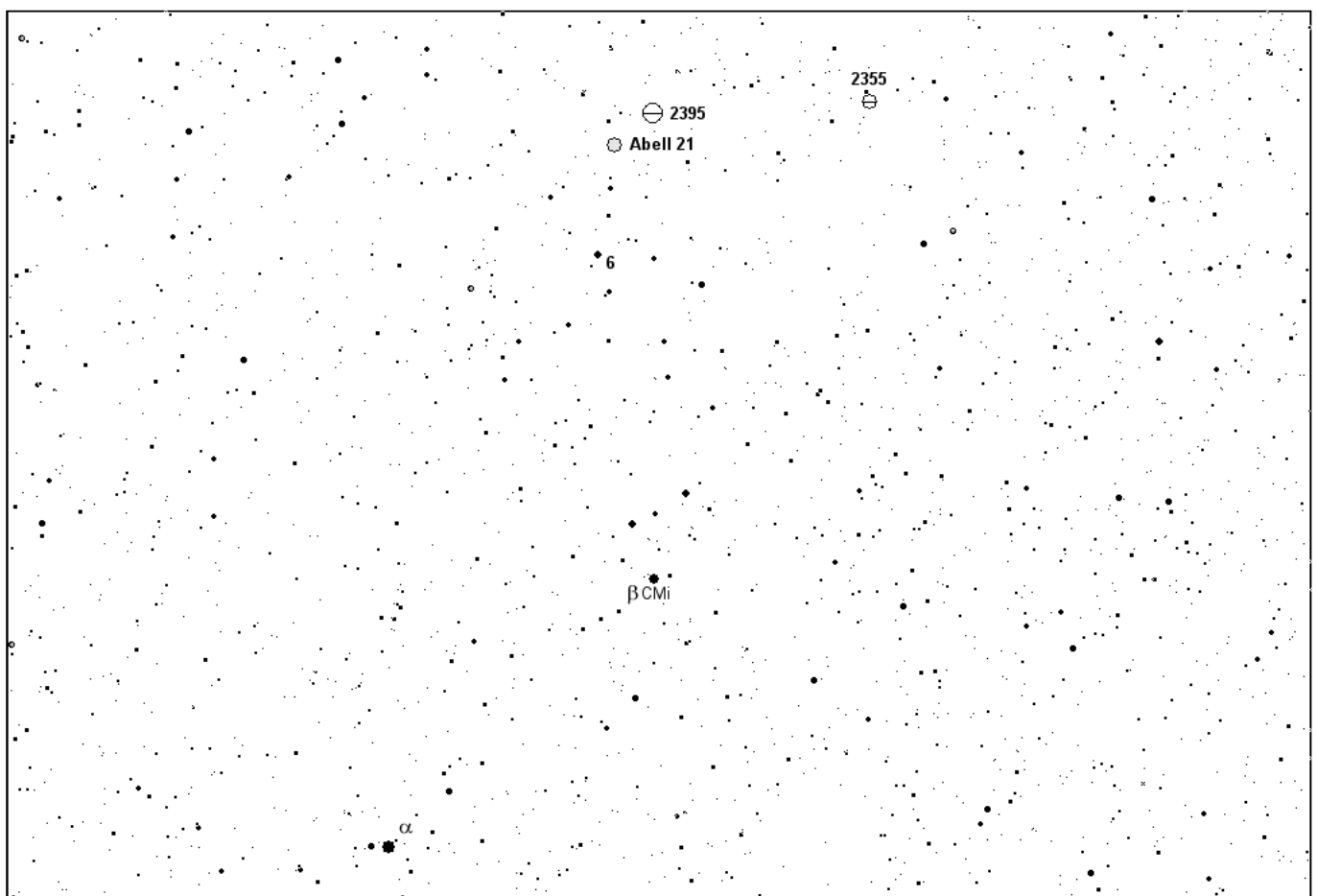
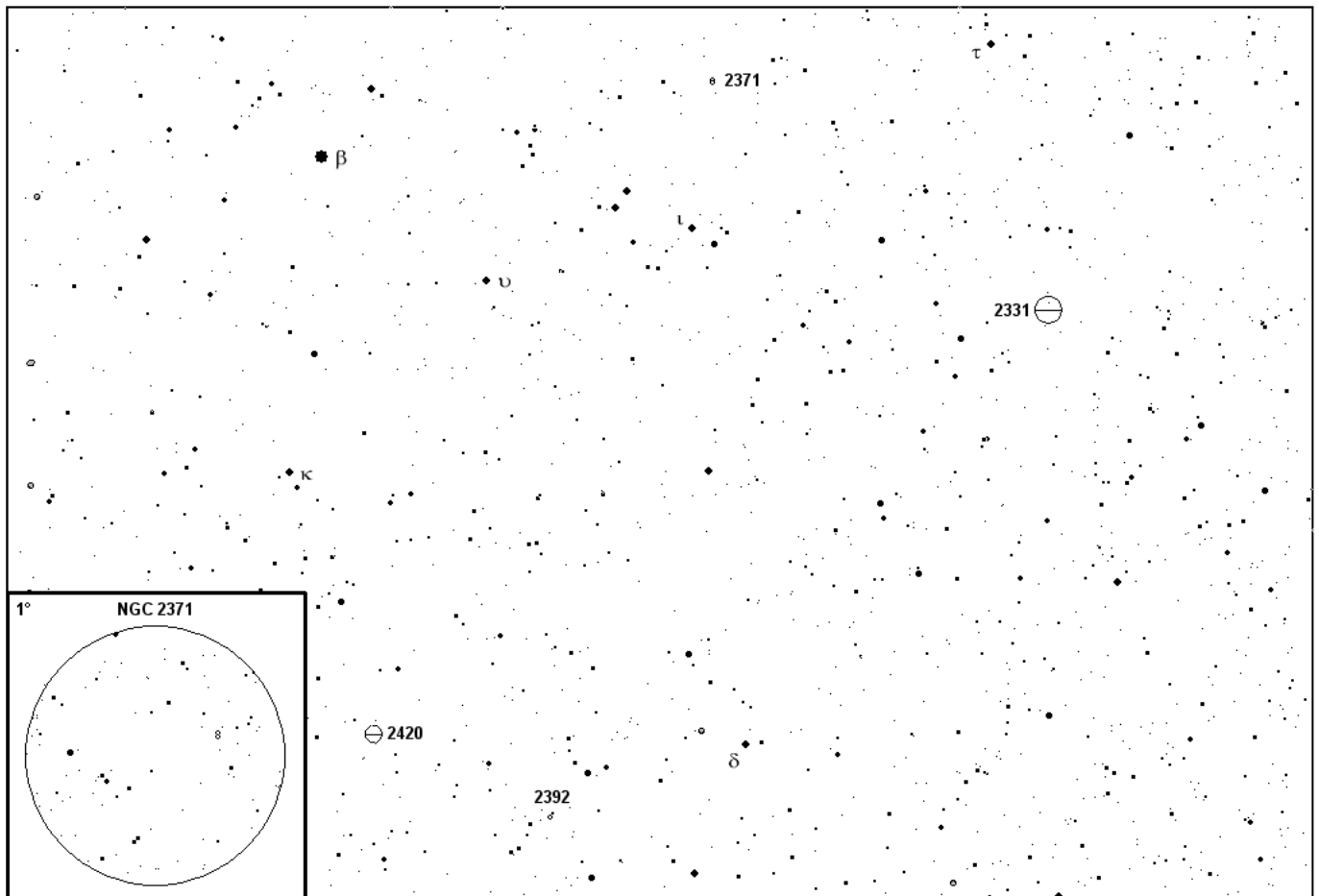
Gemini - Blíženci



Deep Sky Atlas 2007

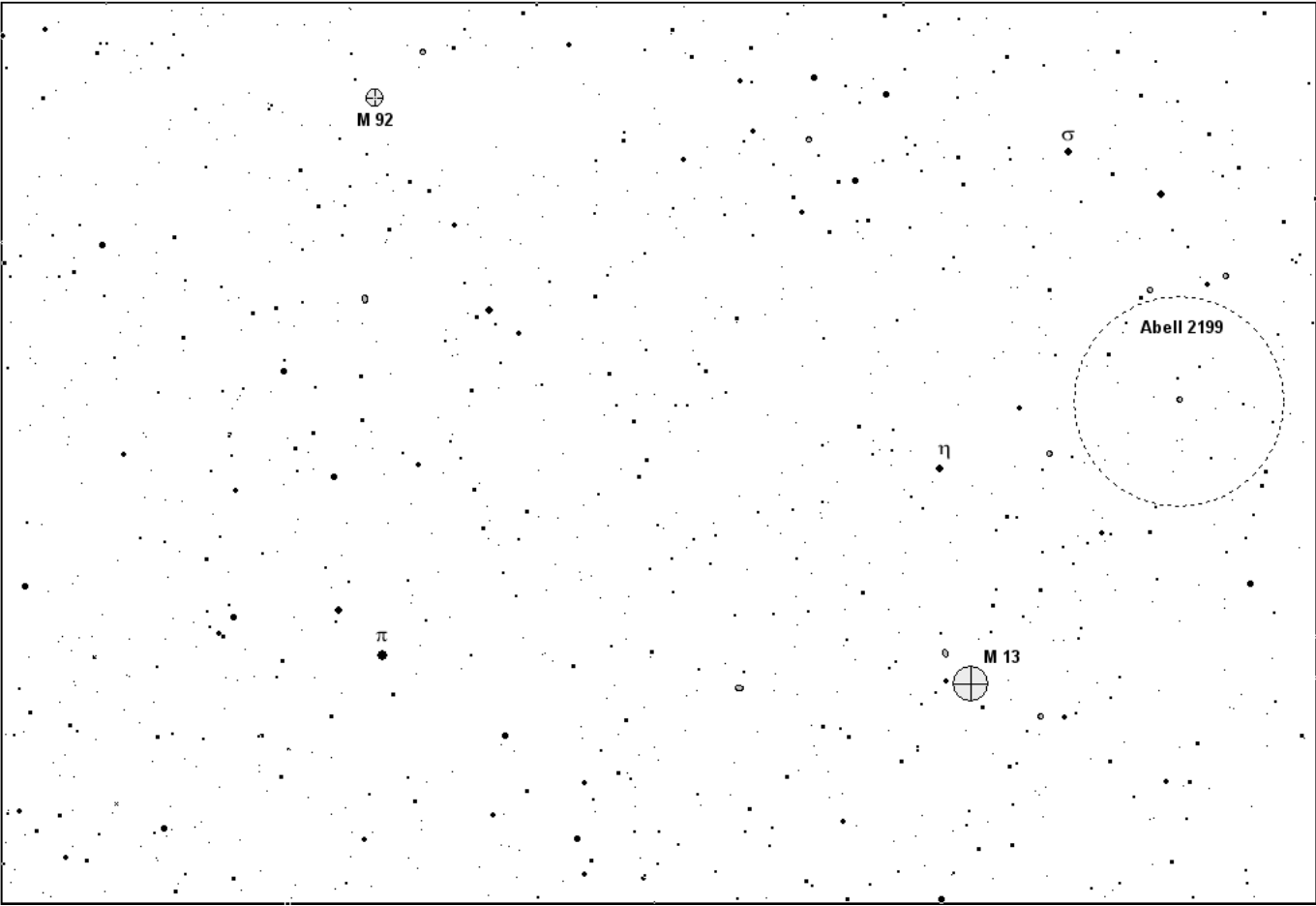
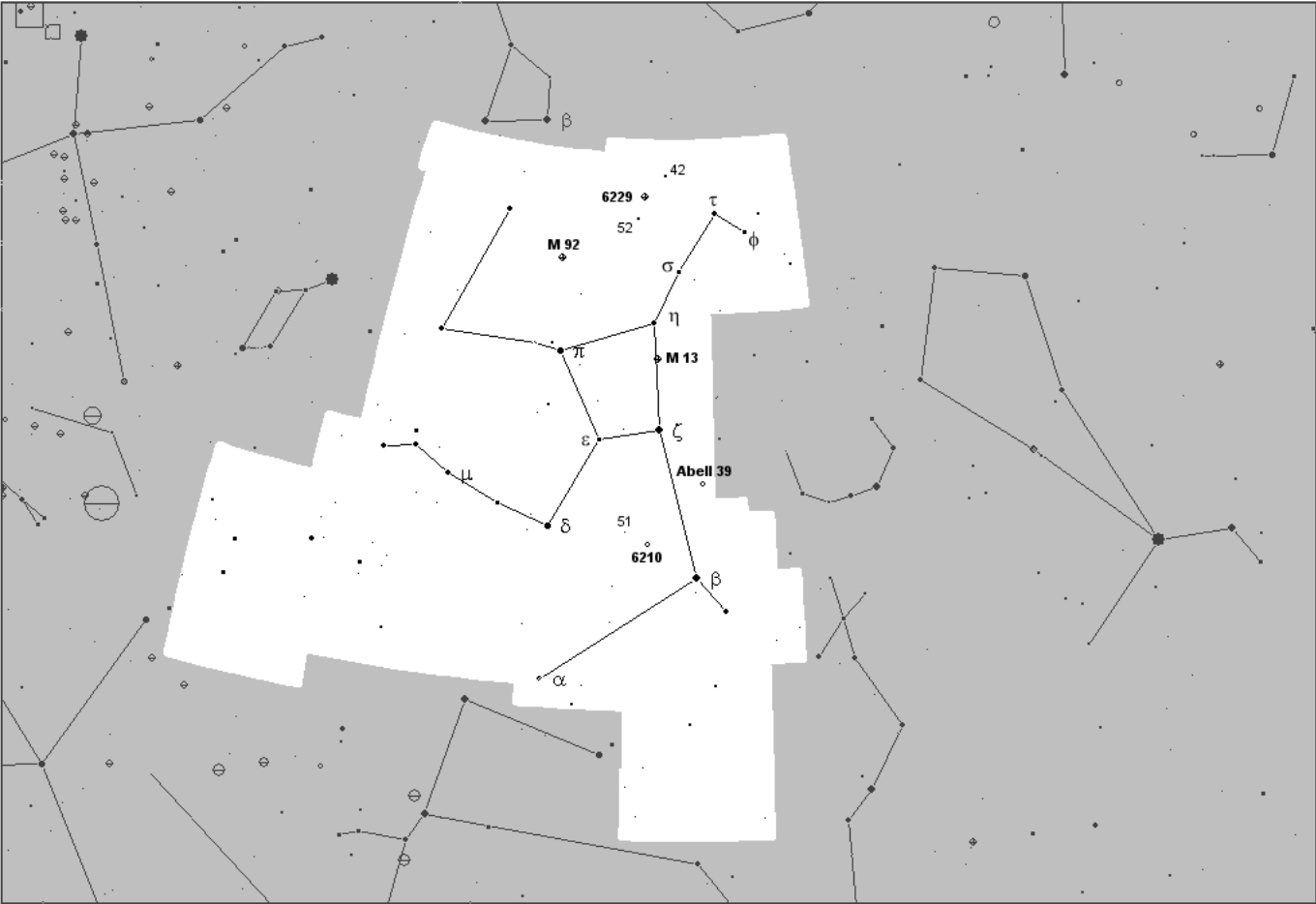


M 35 / NGC 2129, 2158, 2175 / IC 443 / Cr 89 / Basel 11B / J 900 /

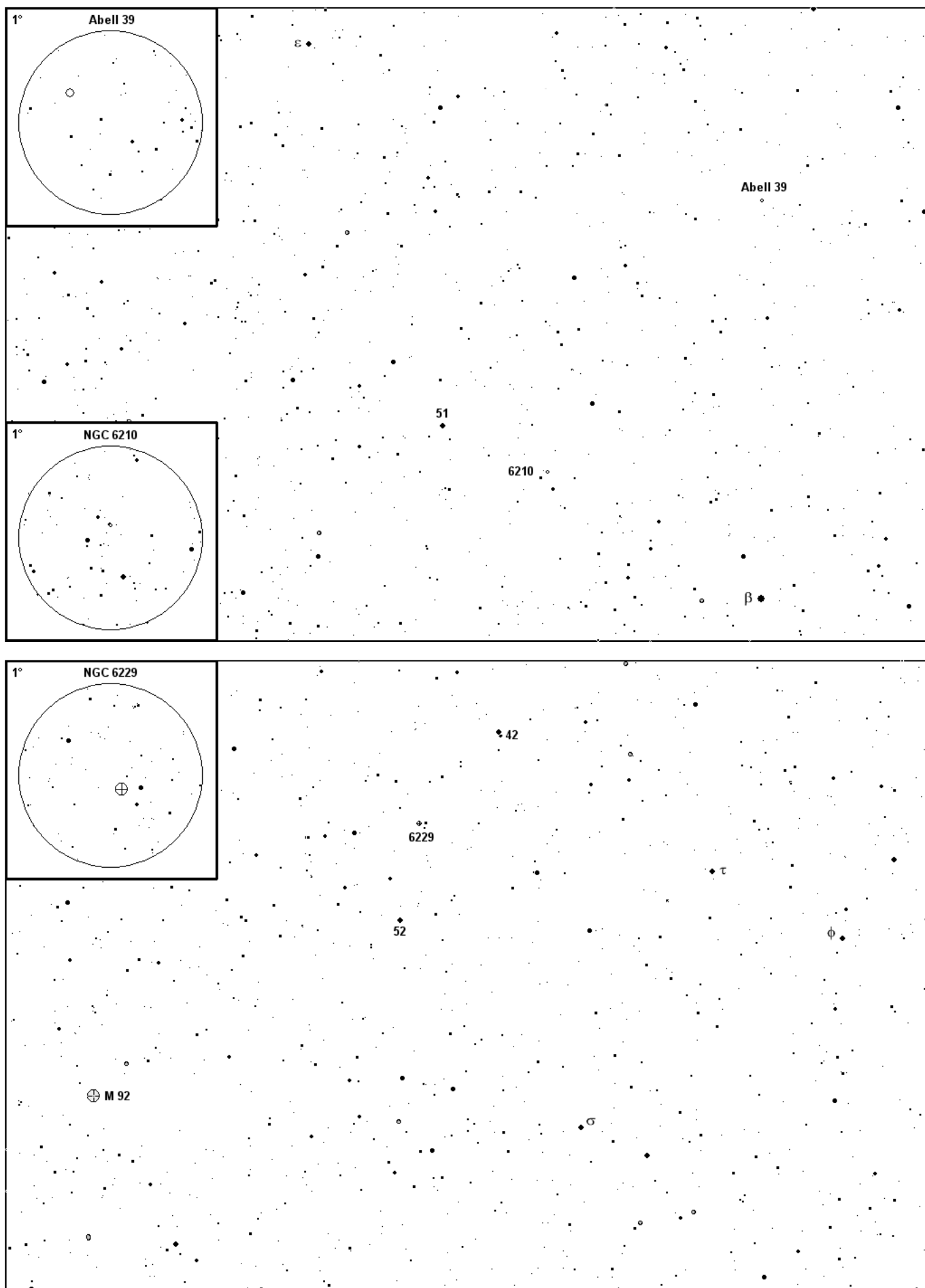


NGC 2331, 2371, 2392, 2420
NGC 2355, 2395 / Abell 21

Hercules



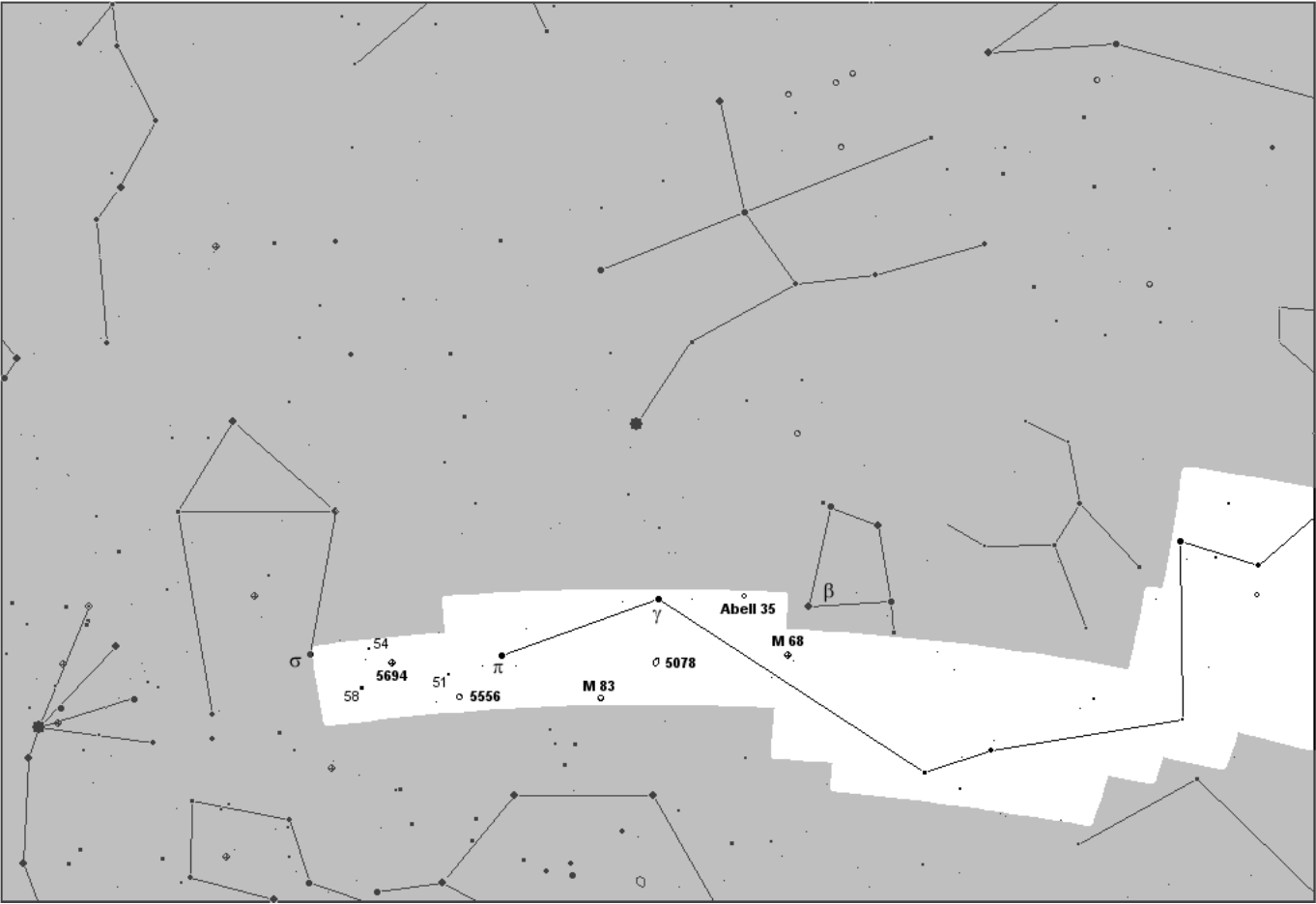
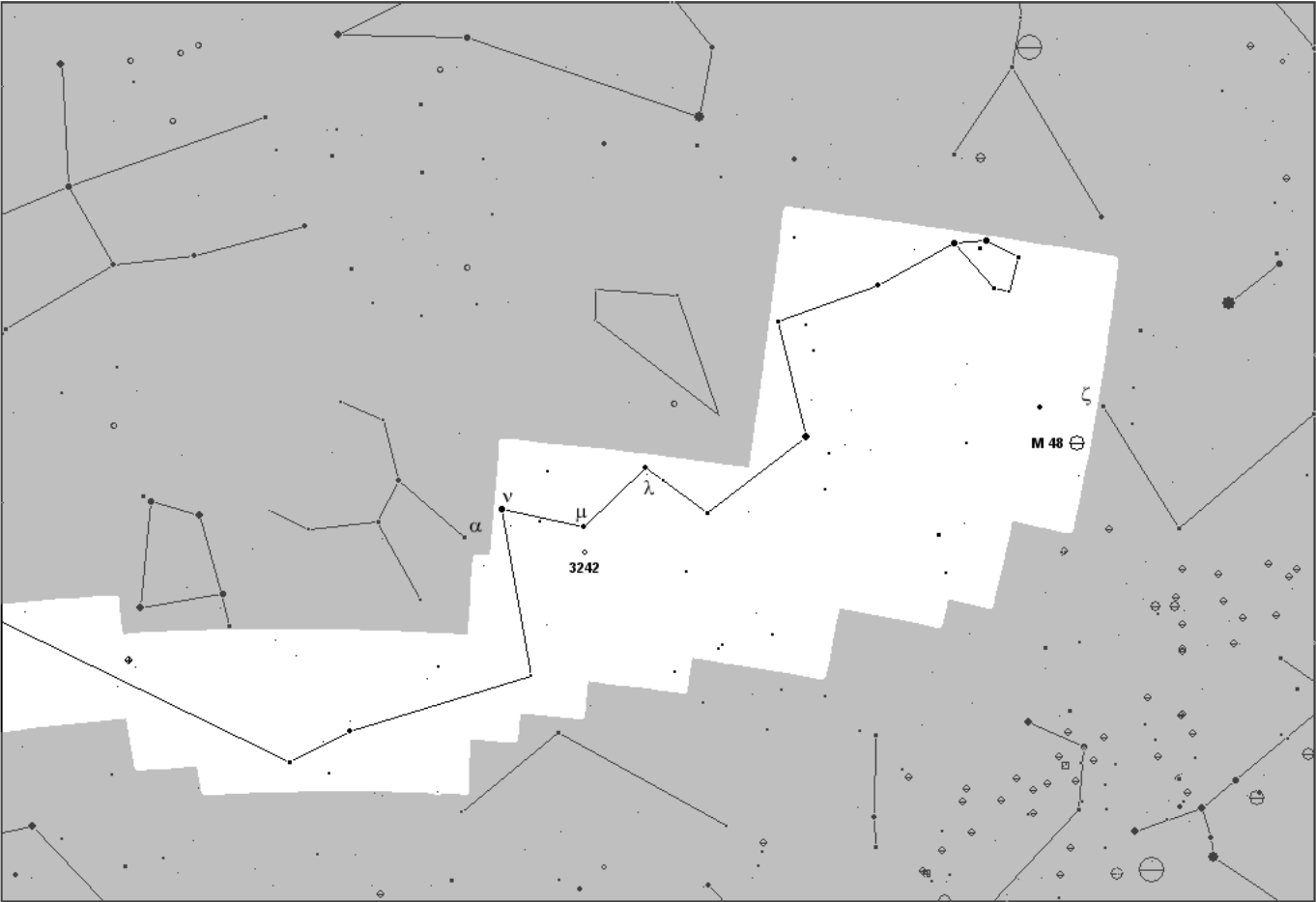
M 13, 92 / Abell 2199

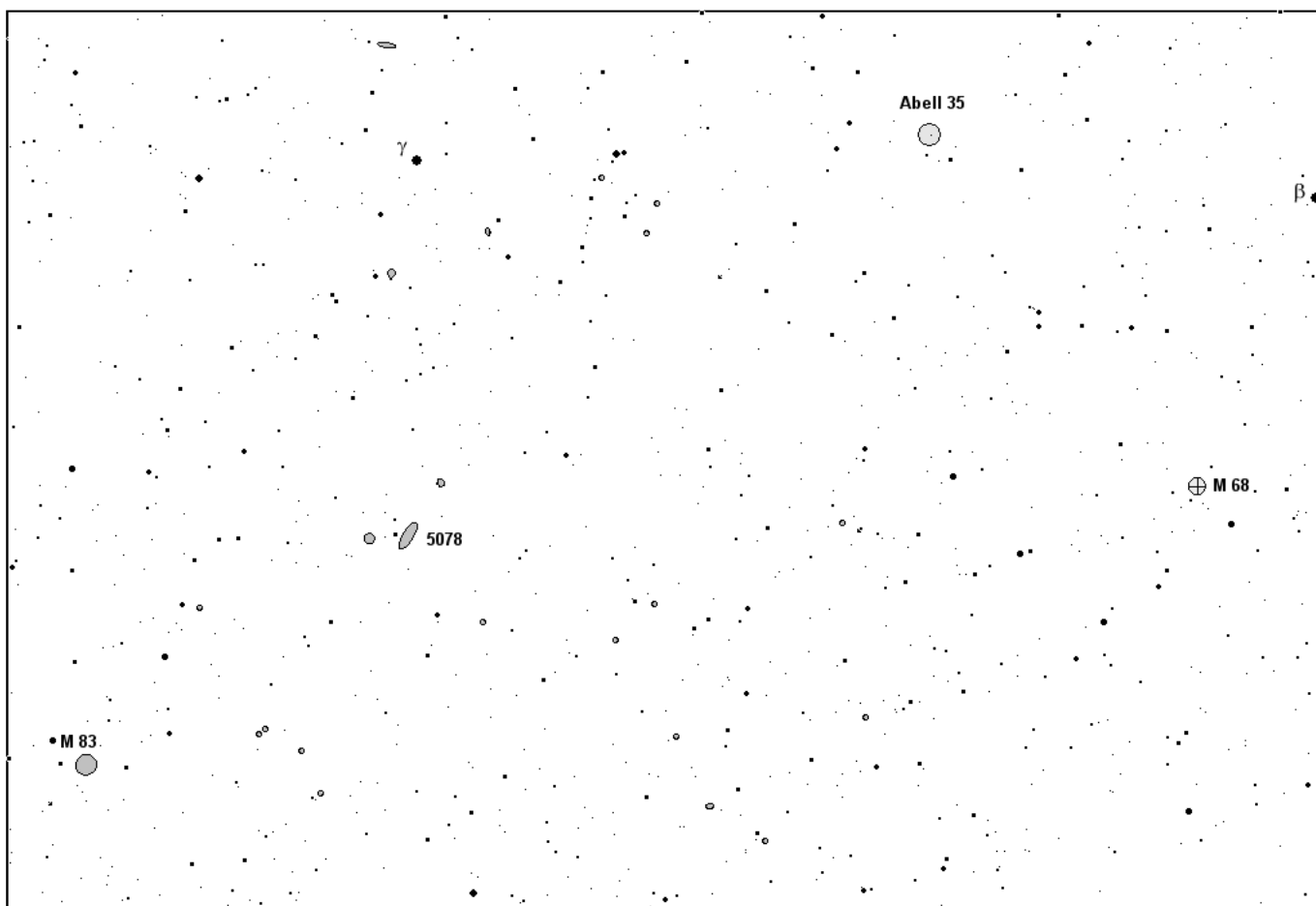
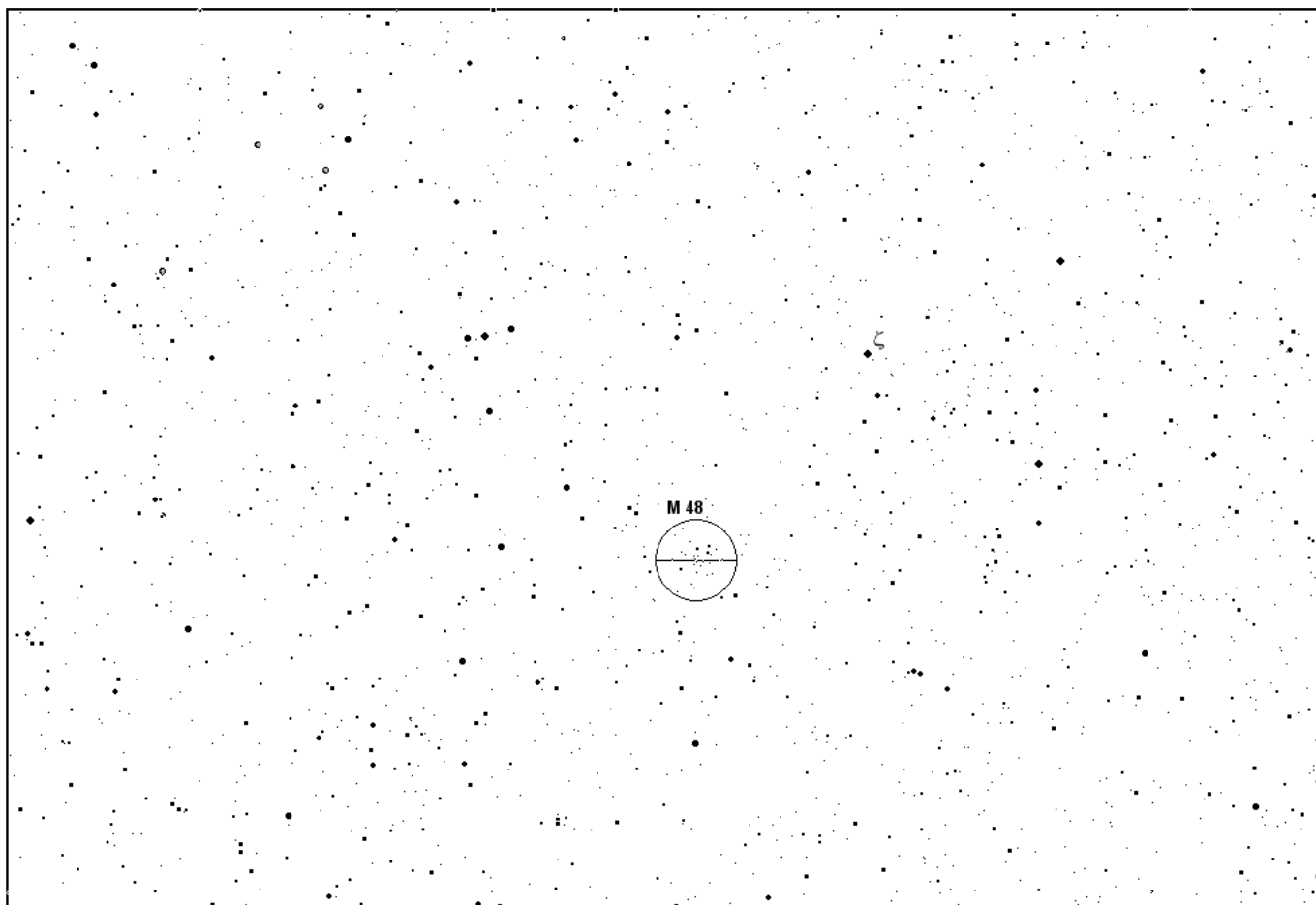


NGC 6210 / Abell 39
M 92 / NGC 6229

Hydra

Deep Sky Atlas 2007

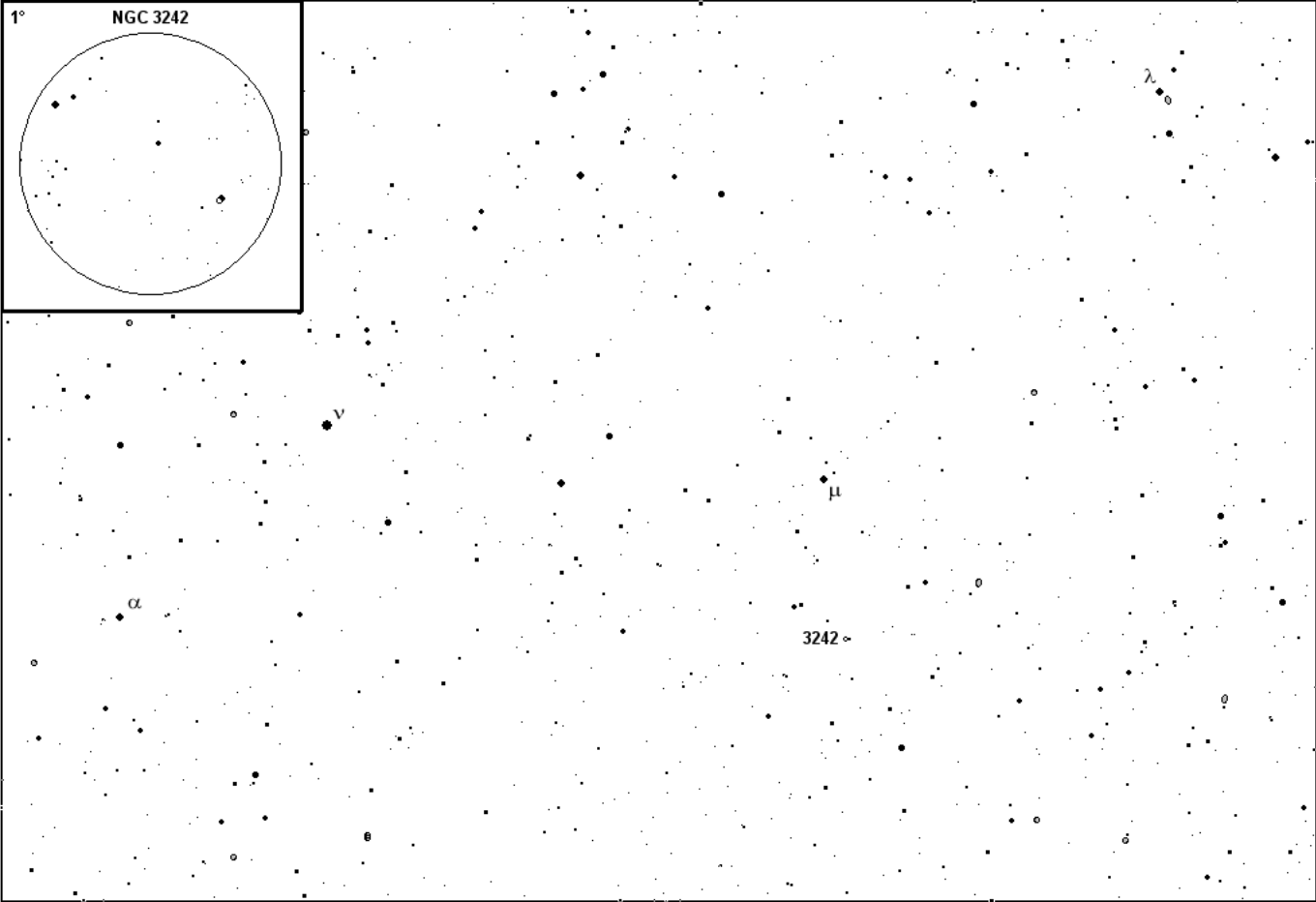




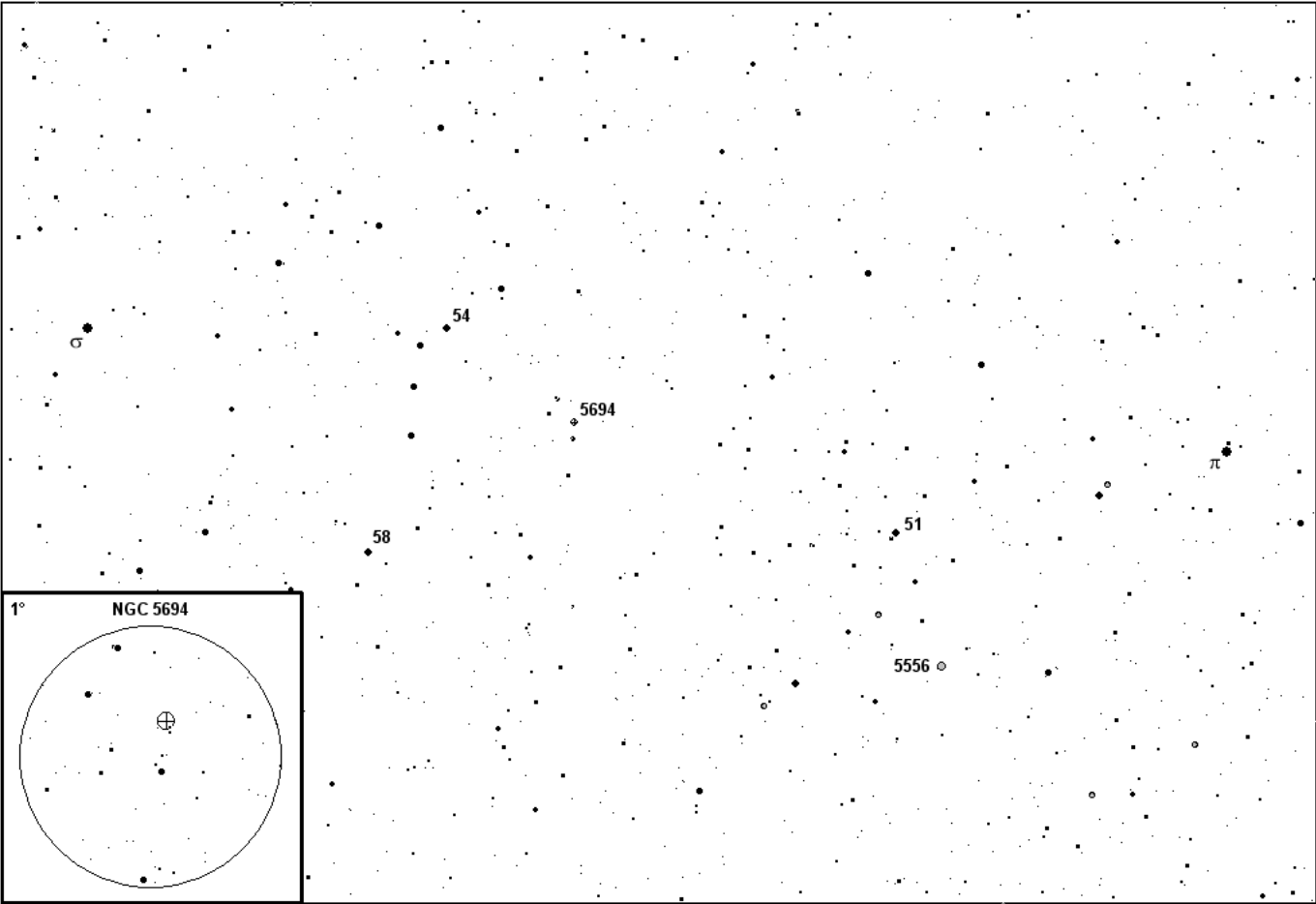
M 48

M 68, 83 / NGC 5078 / Abell 35

Hydra



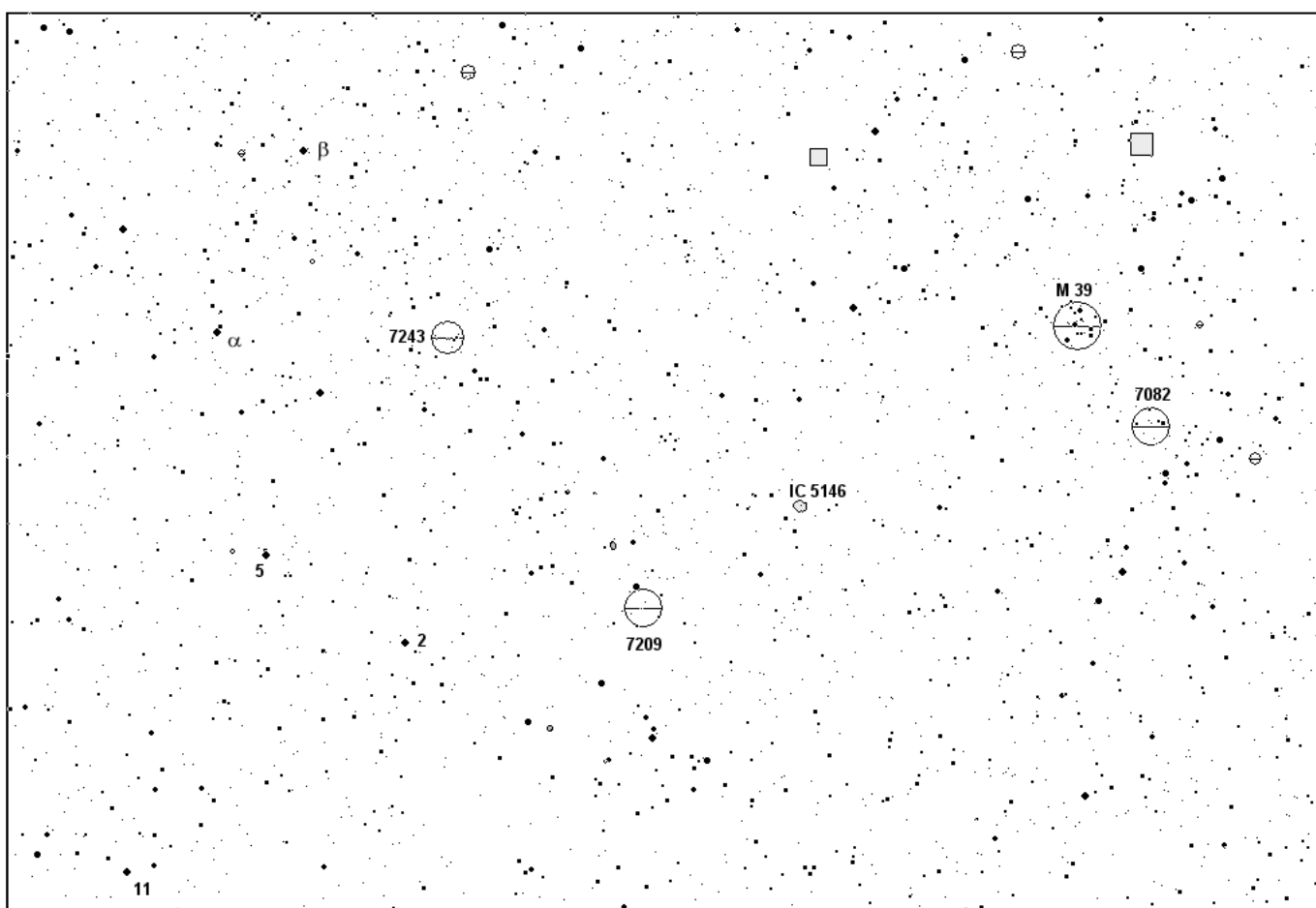
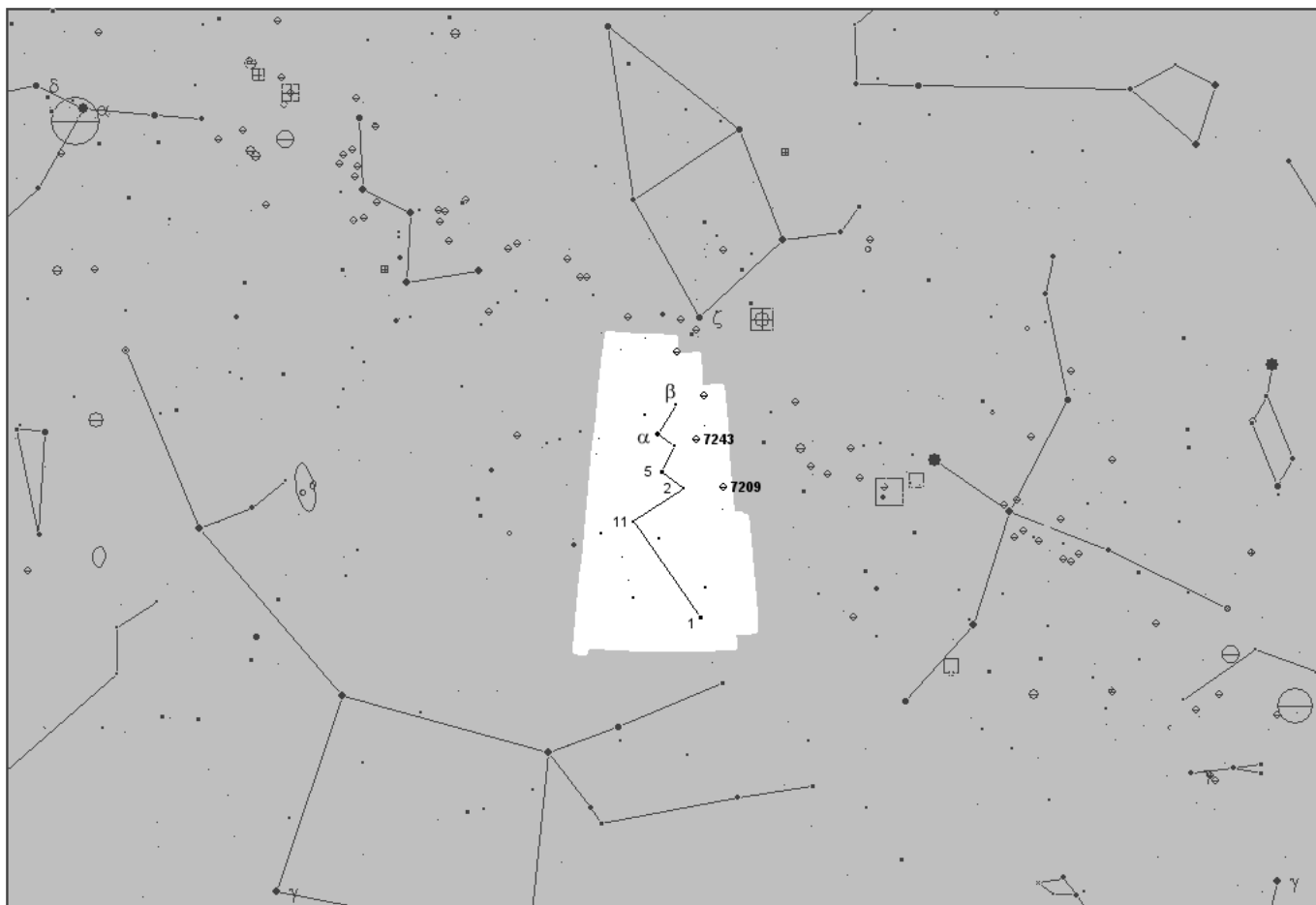
Deep Sky Atlas 2007



MI

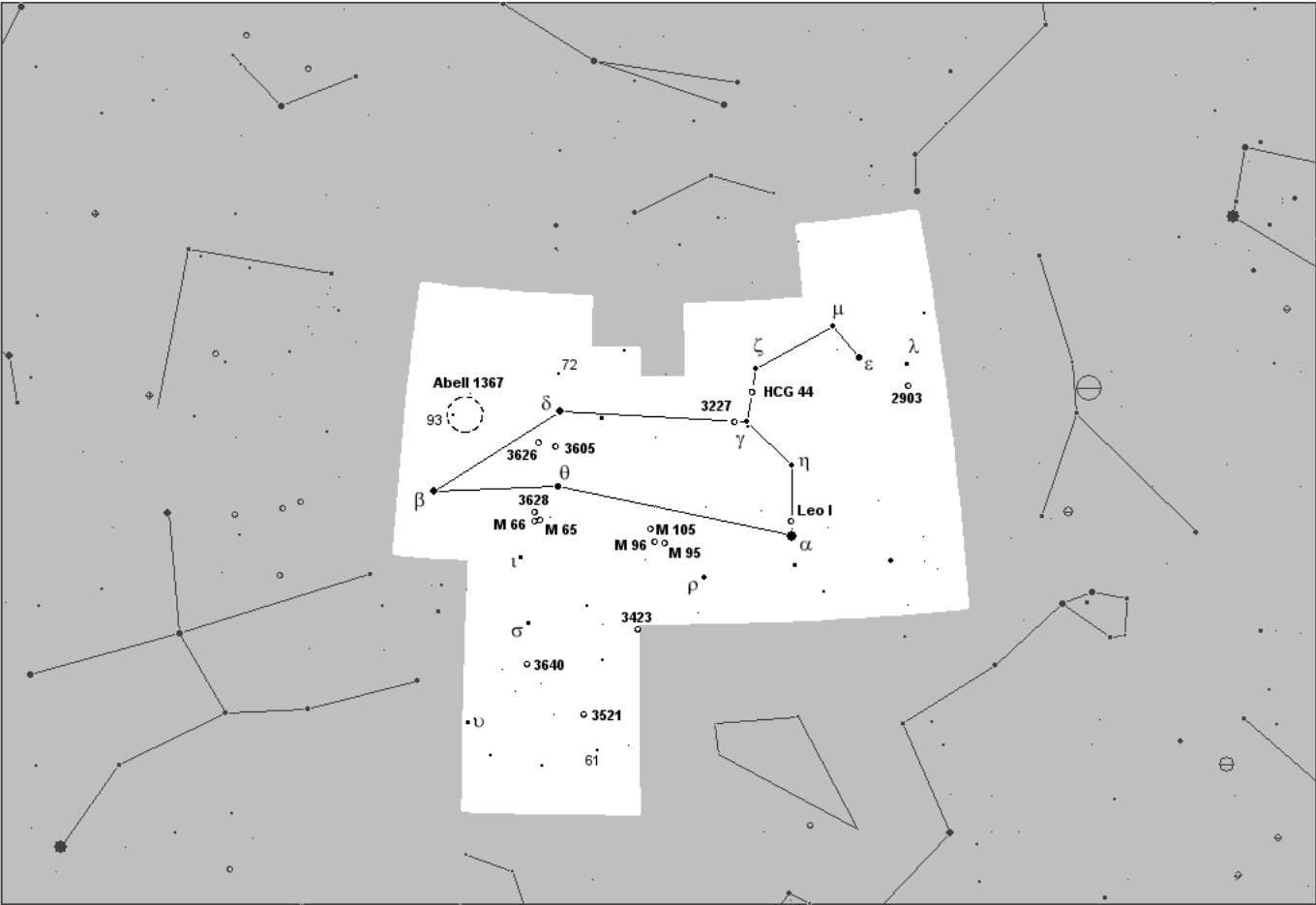
NGC 3242
NGC 5556, 5694

Lacerta - Ještěrka

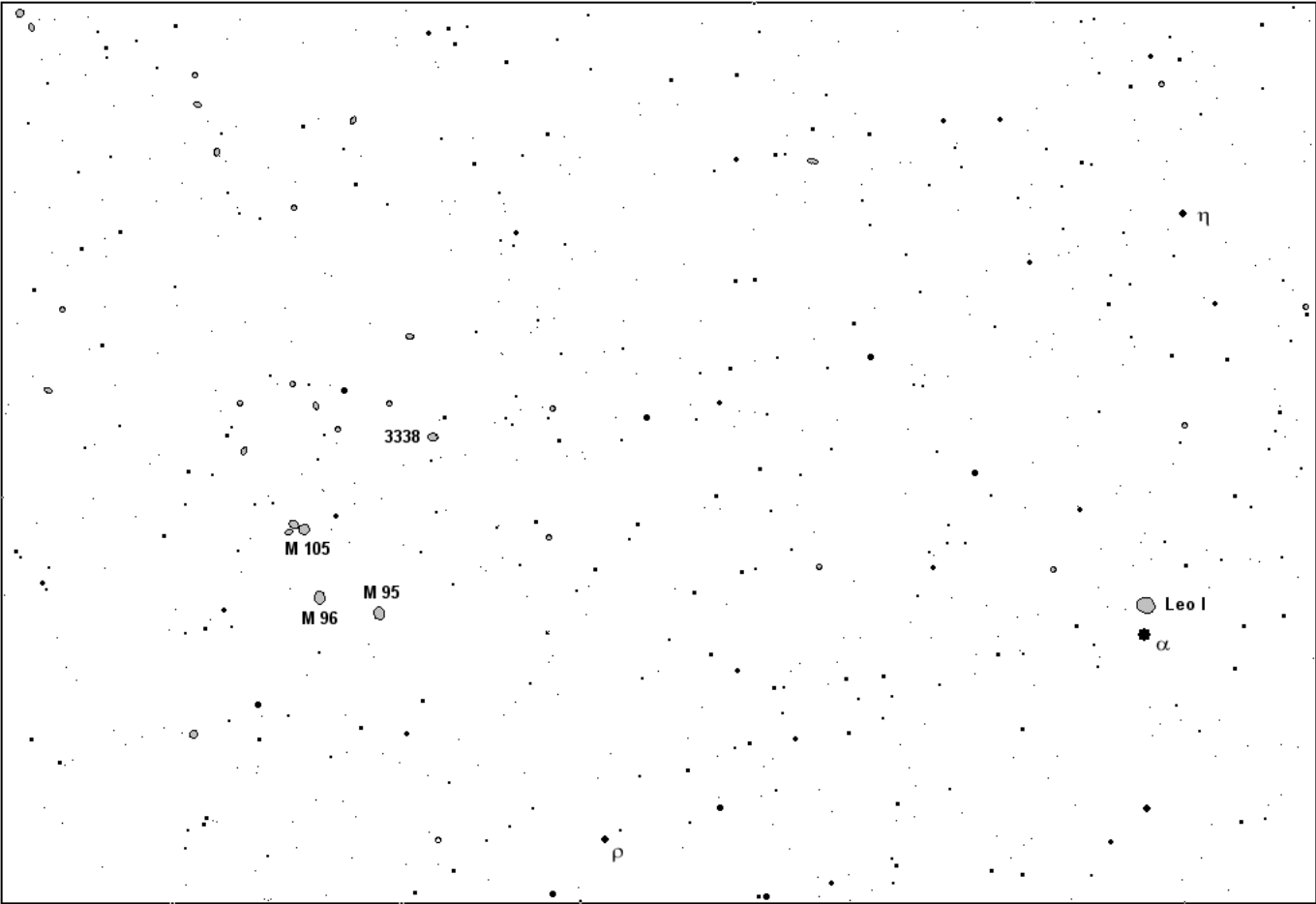


M 39 / NGC 7082, 7209, 7243 / IC 5146

Leo - Lev

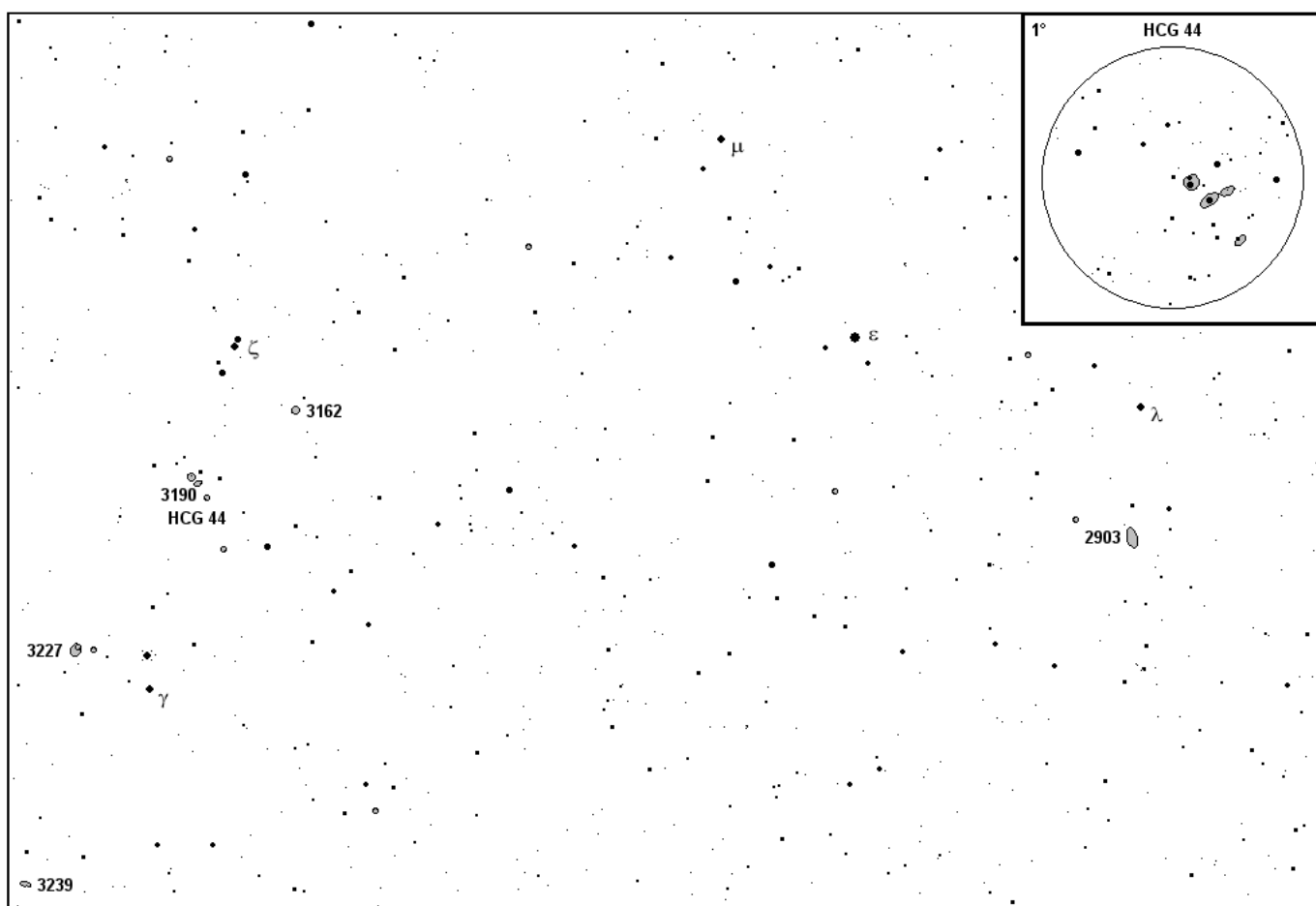
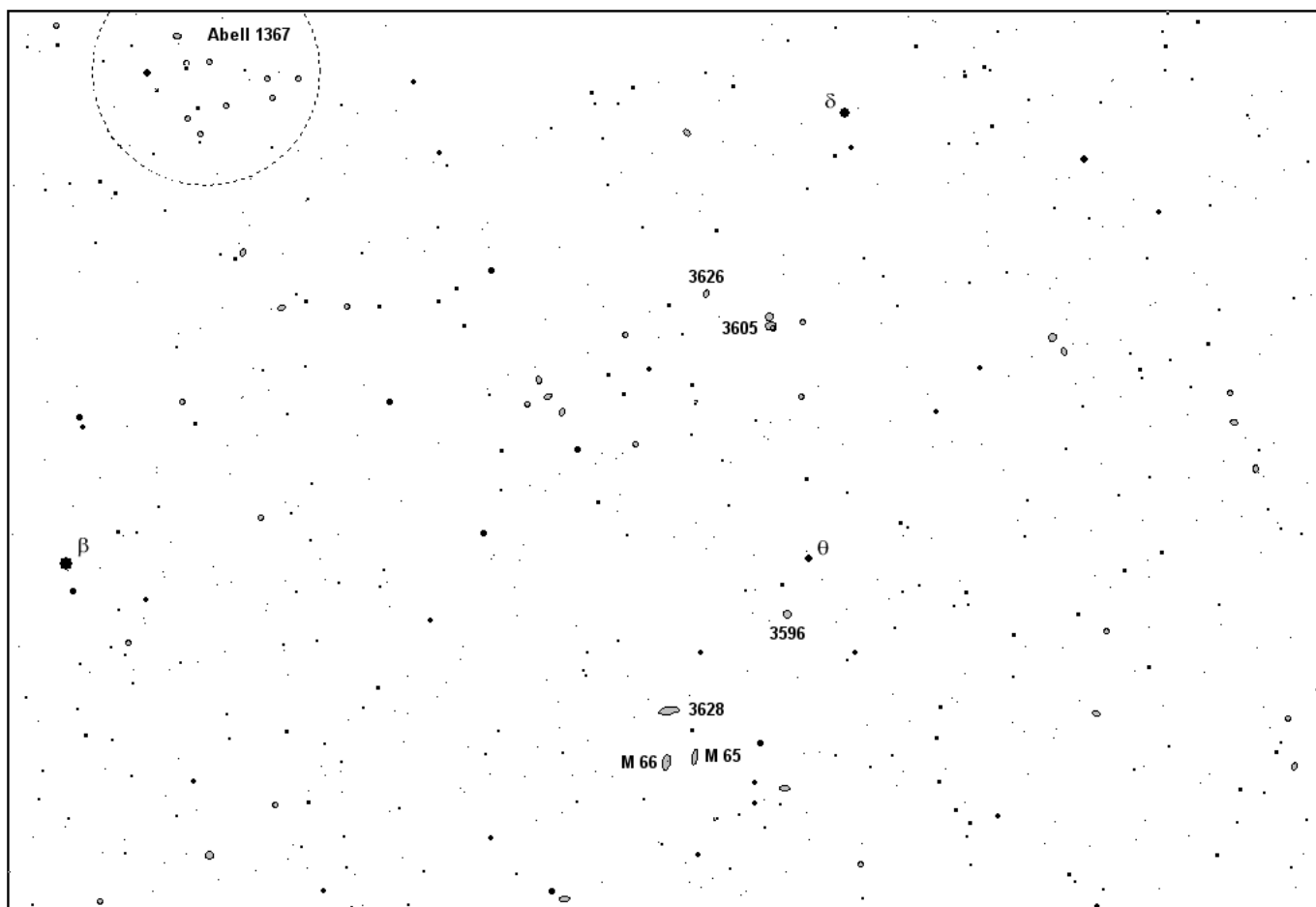


Deep Sky Atlas 2007



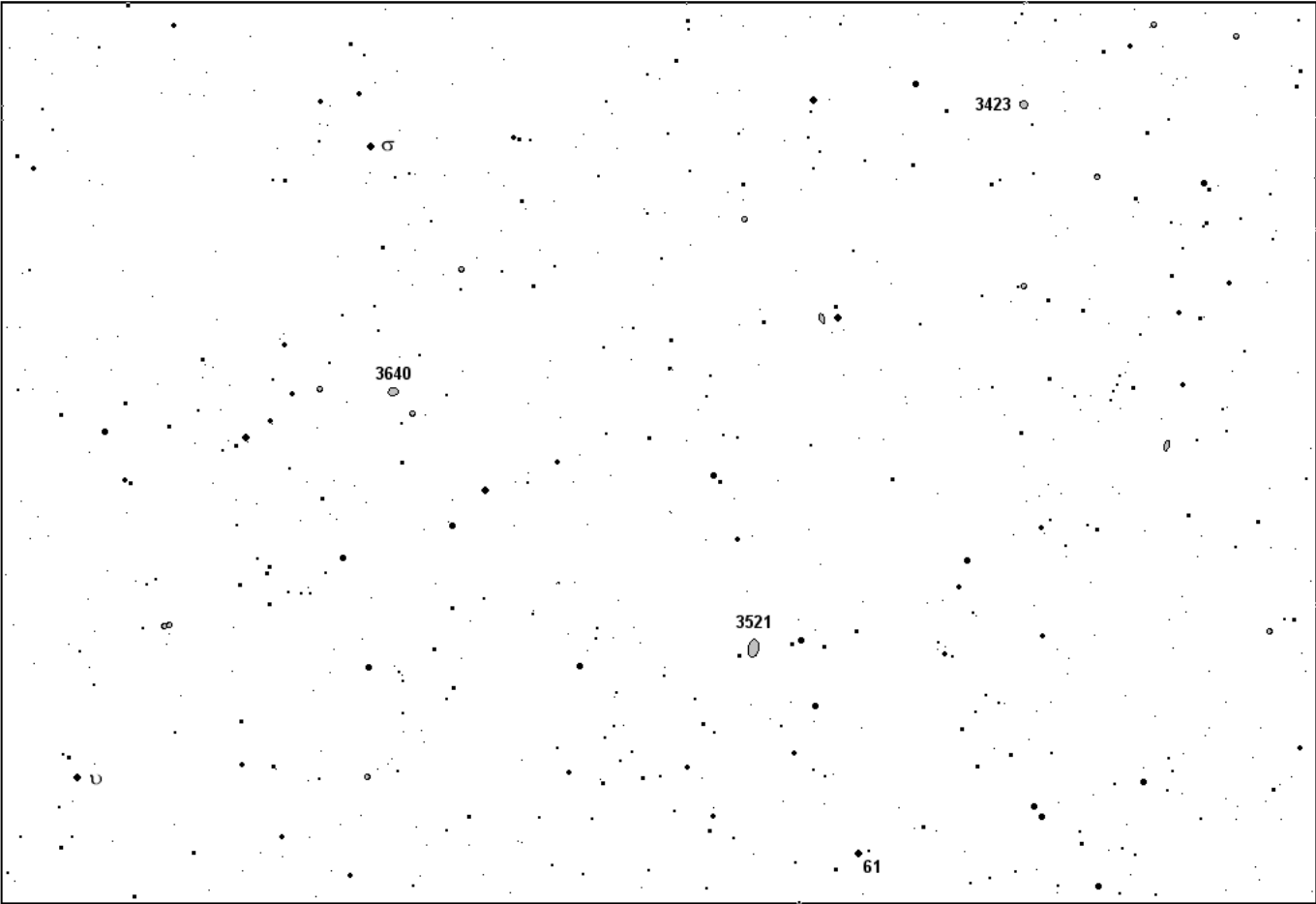
M 95, 96, 105 / NGC 3338 / Leo I

MI

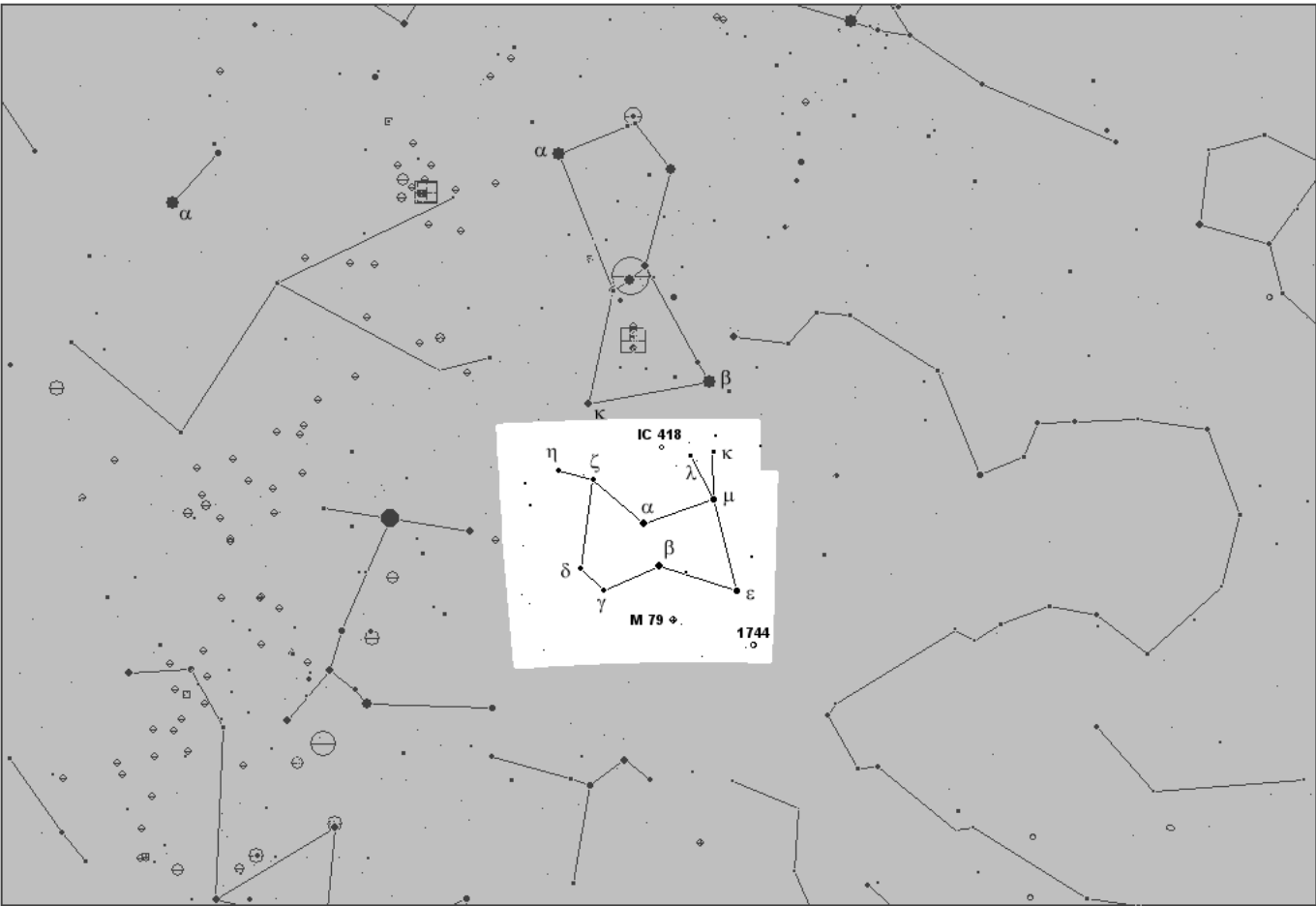


M 65, 66 / NGC 3596 3605, 3626, 3628 / Abell 1367
 NGC 2903, 3162, 3190, 3227, 3239 / HCG 44

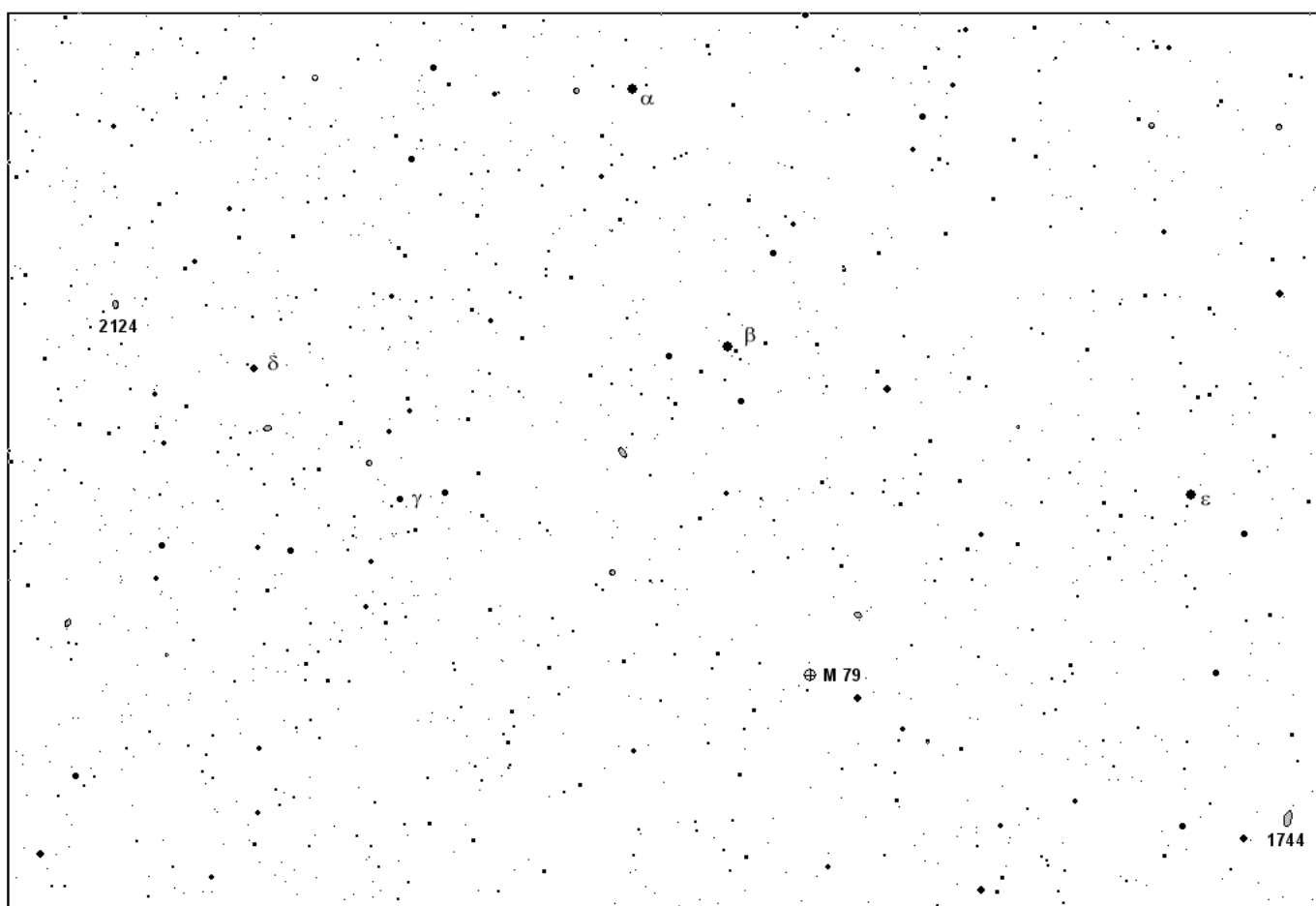
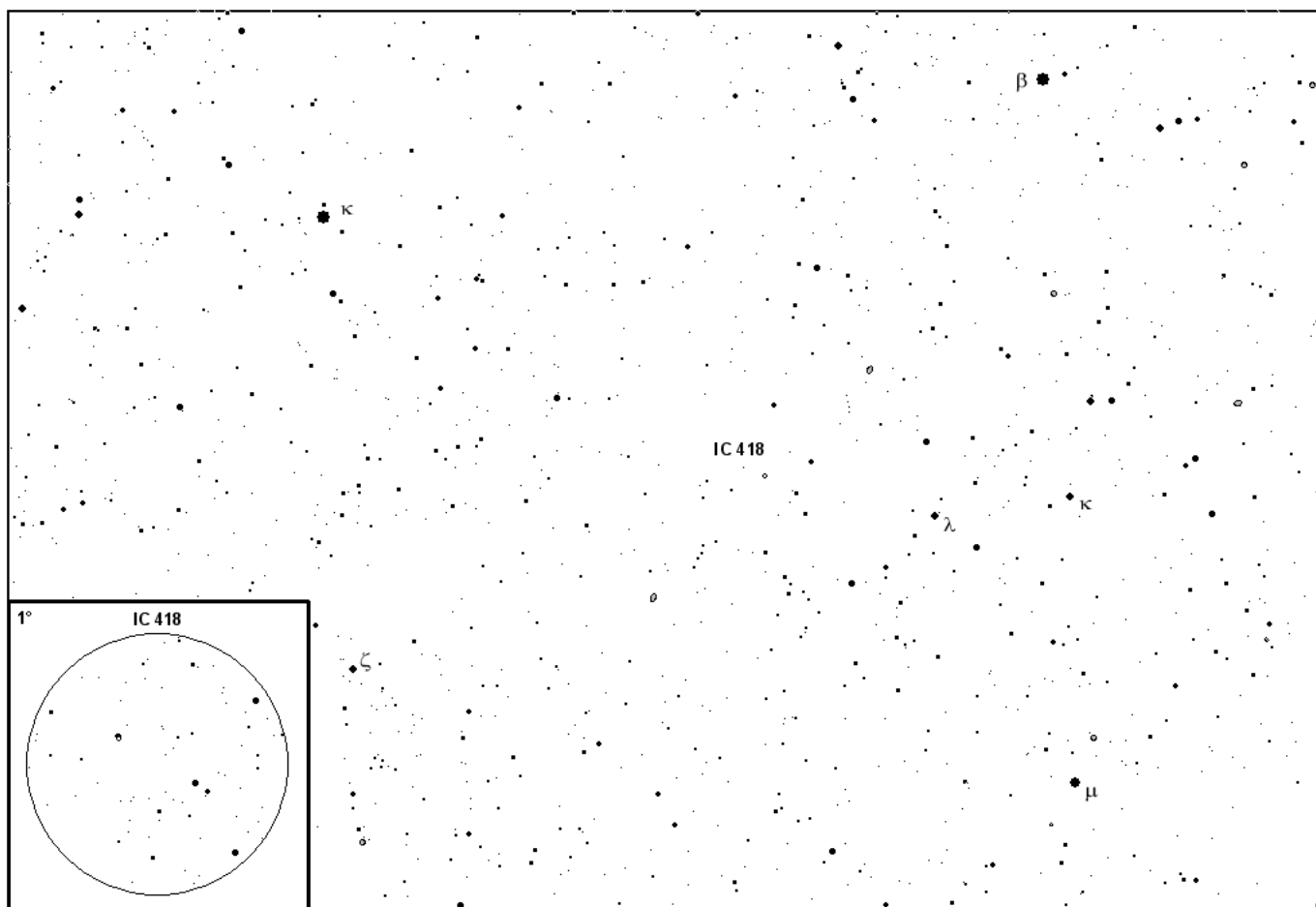
Leo - Lev / Lepus - Zajíc



Deep Sky Atlas 2007

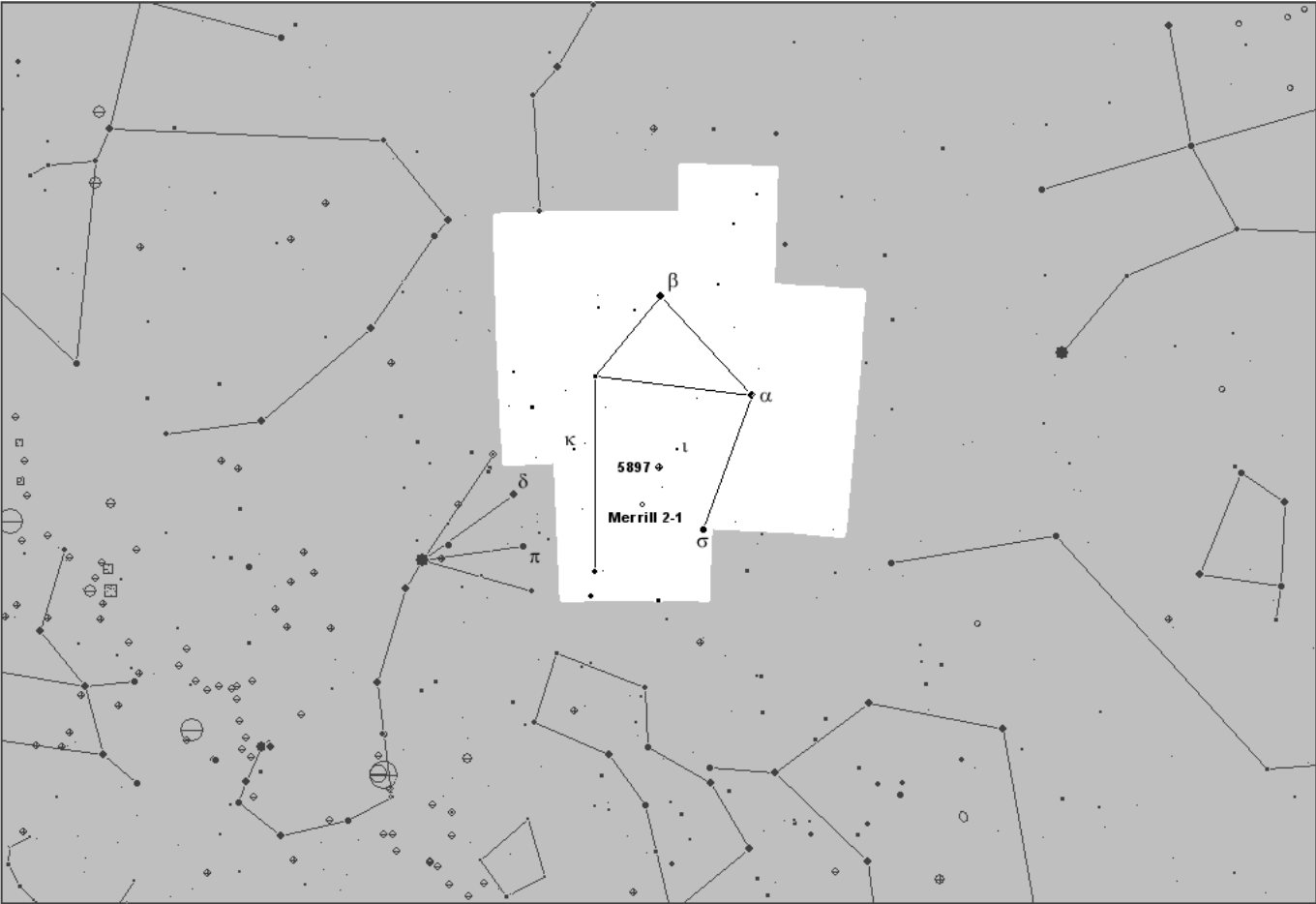


NGC 3423, 3521, 3640

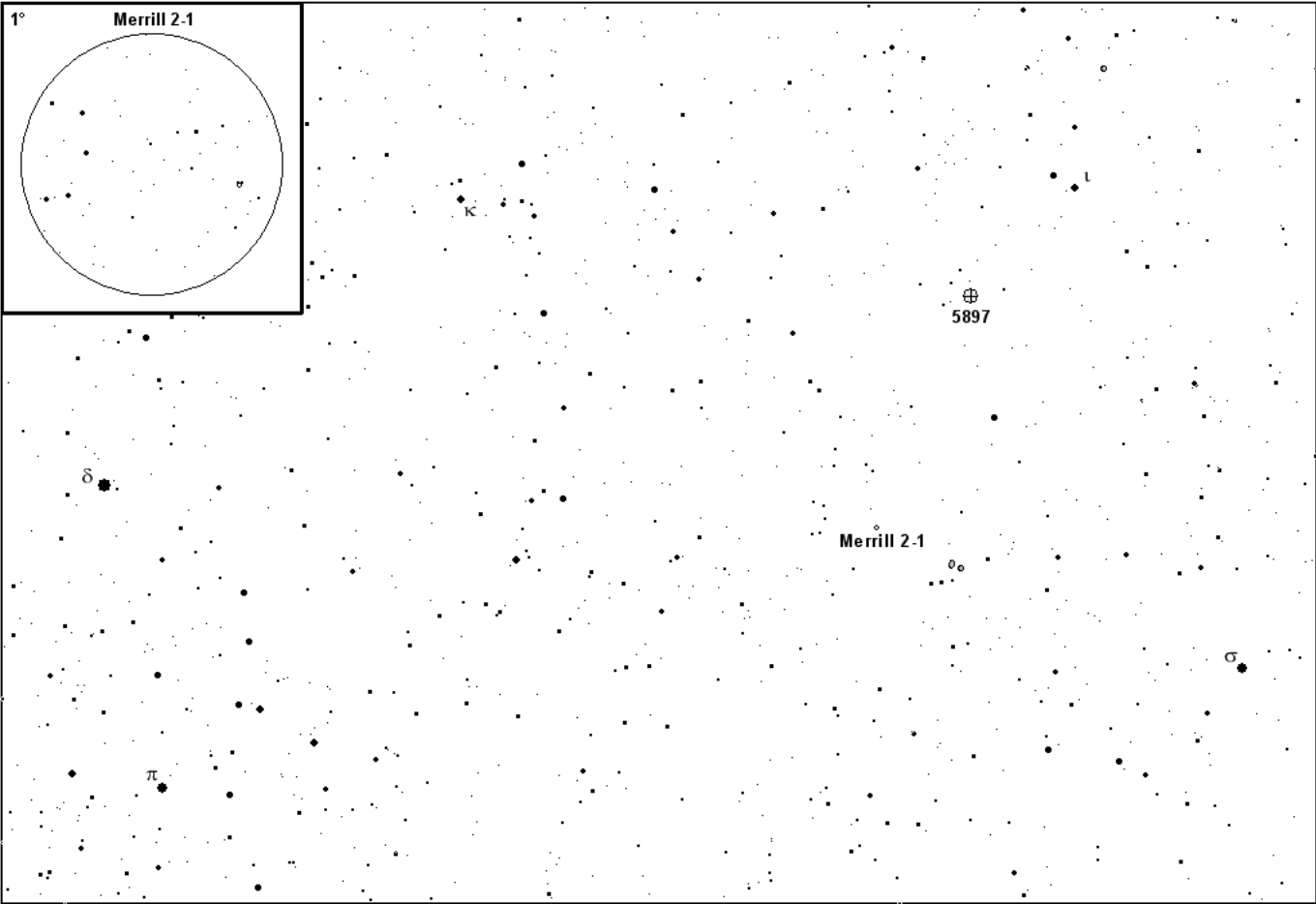
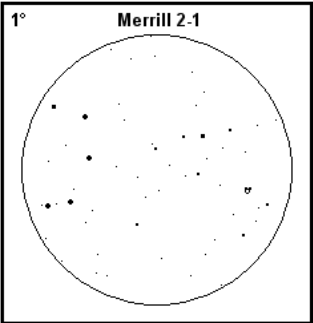


IC 418
M 79 / NGC 1744, 2124

Libra - Váhy

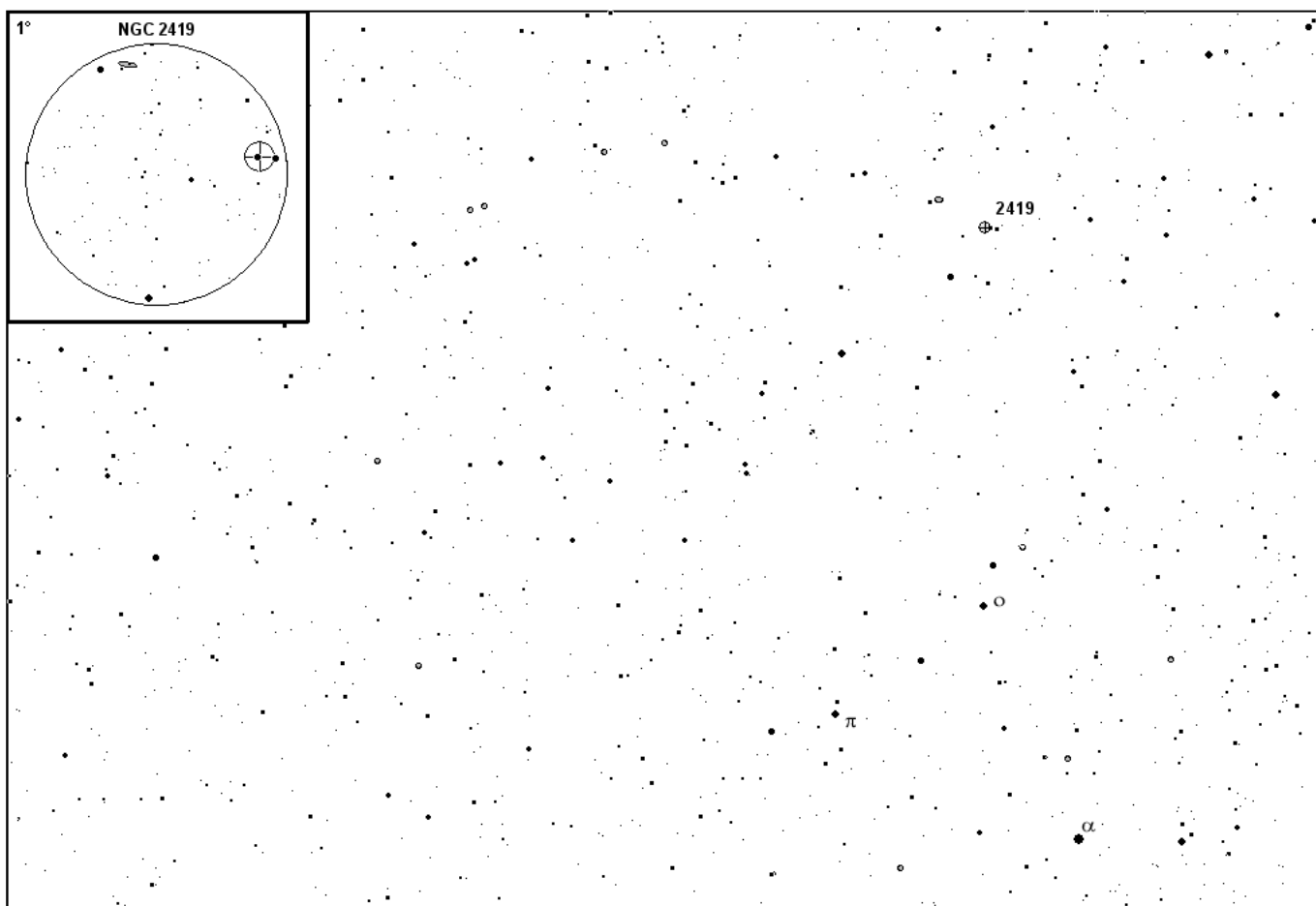
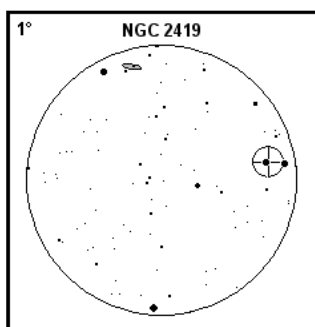
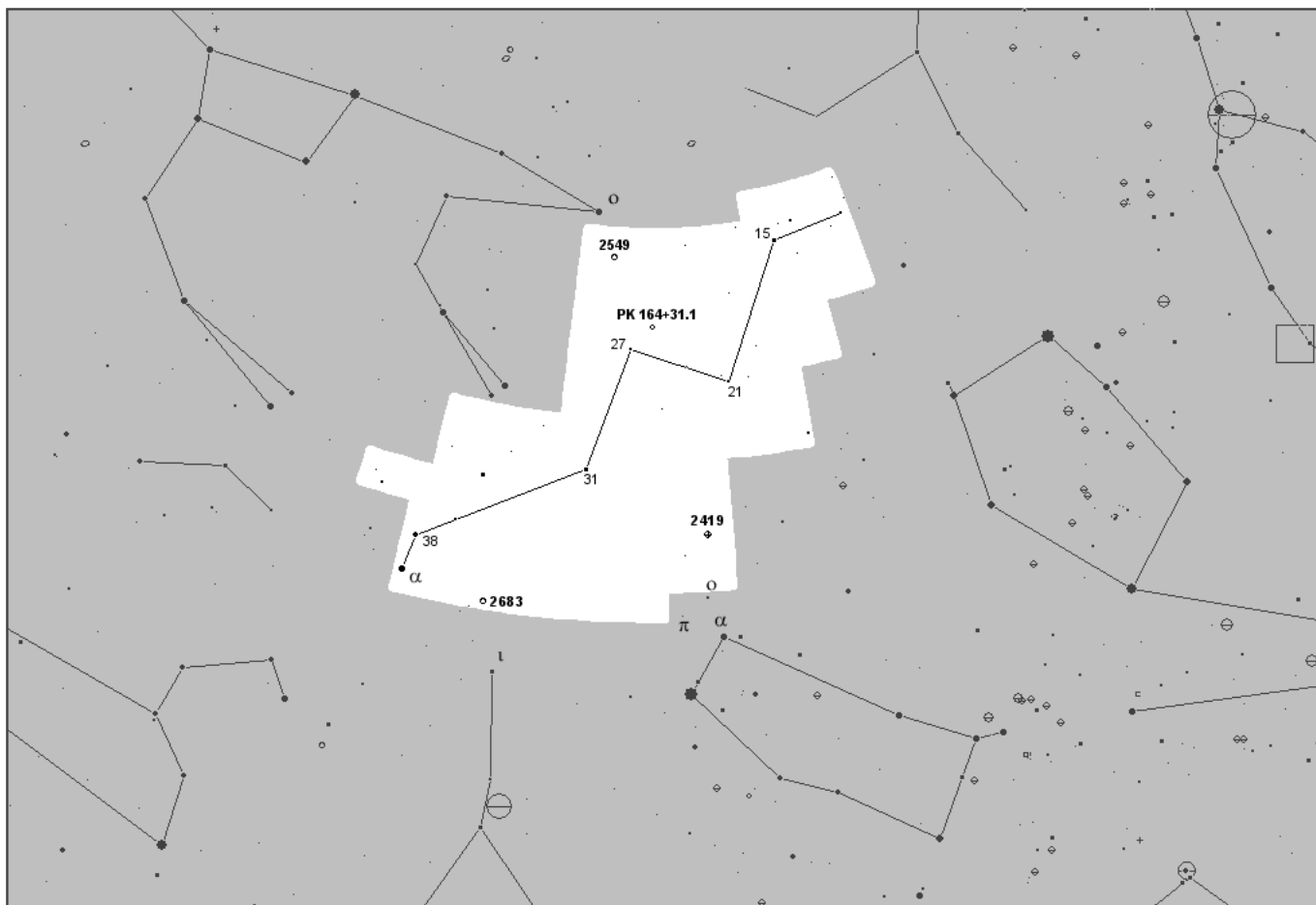


Deep Sky Atlas 2007



MI

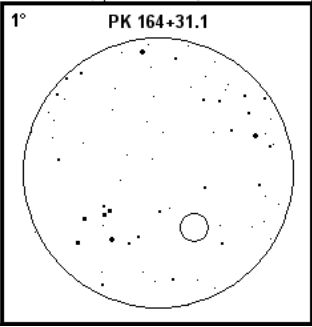
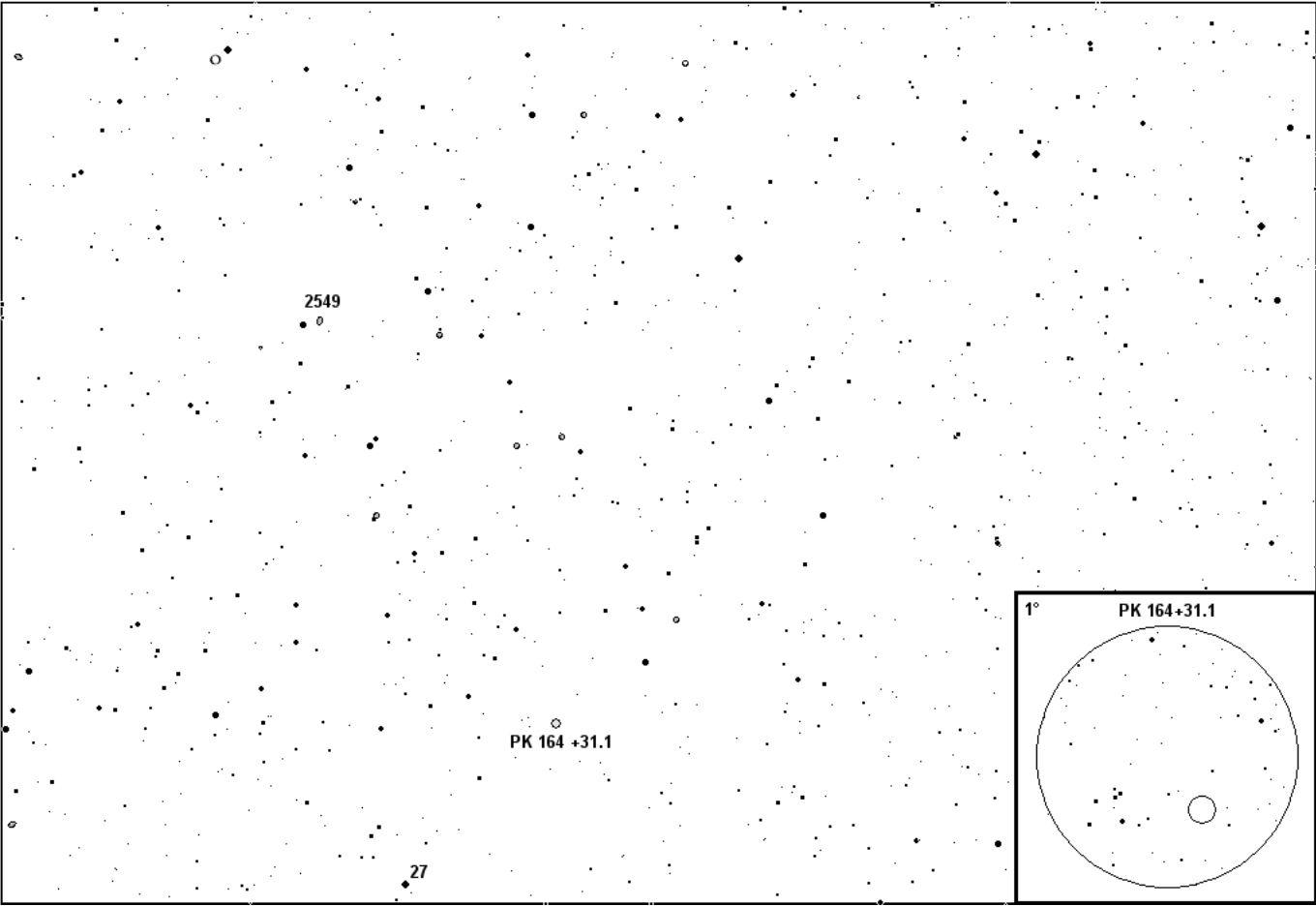
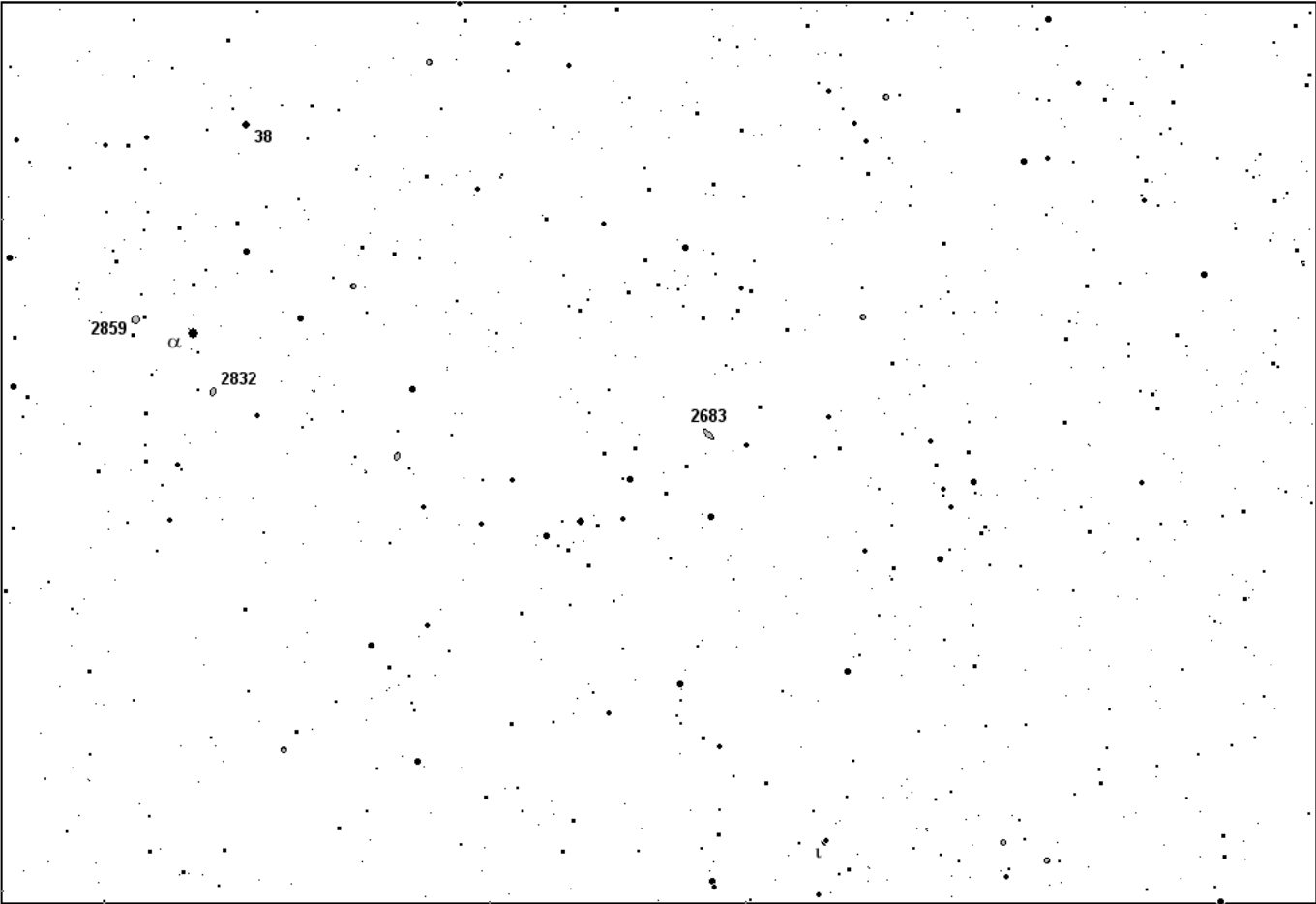
NGC 5897 / Merrill 2-1



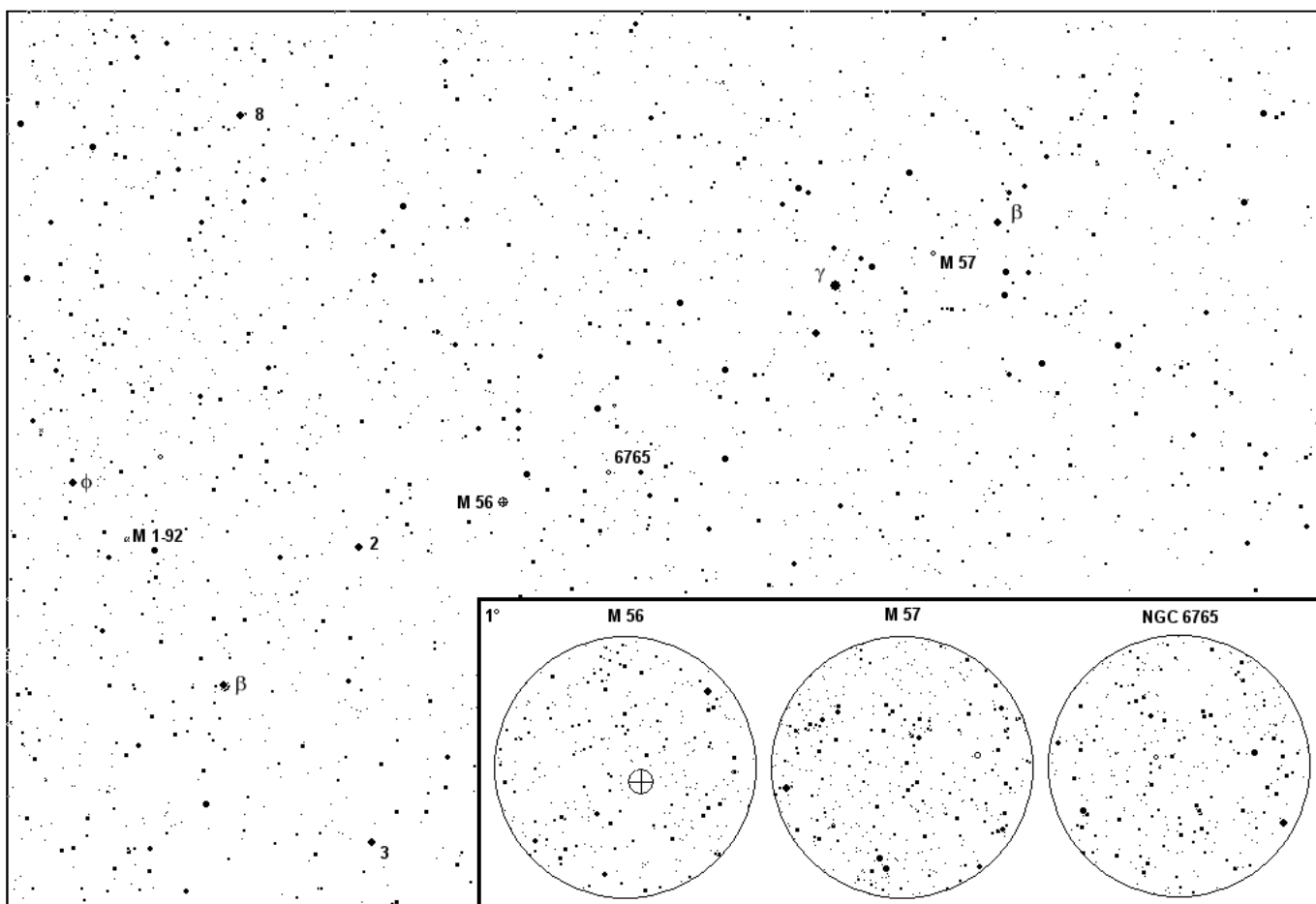
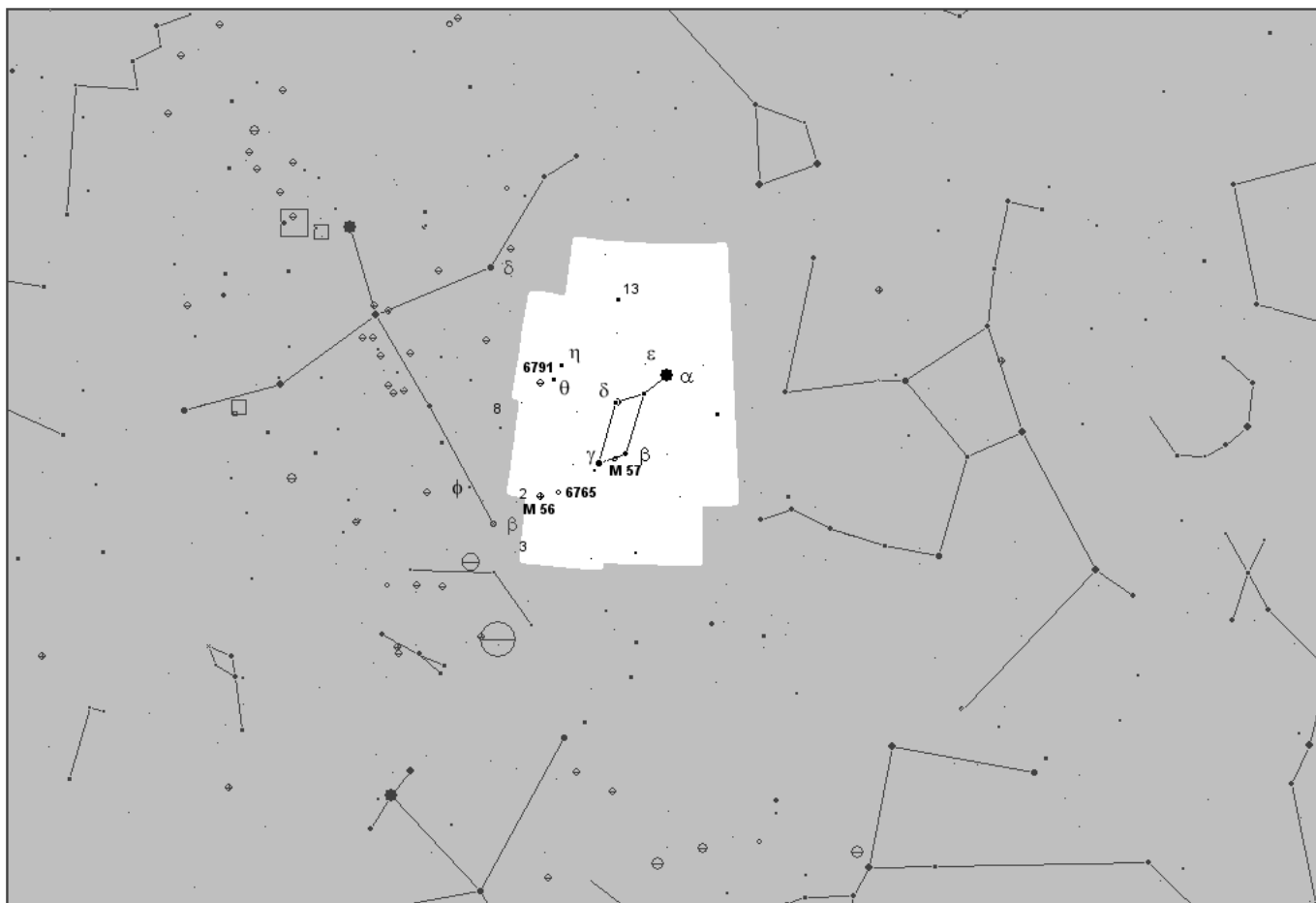
NGC 2419

Lynx - Rys

Deep Sky Atlas 2007

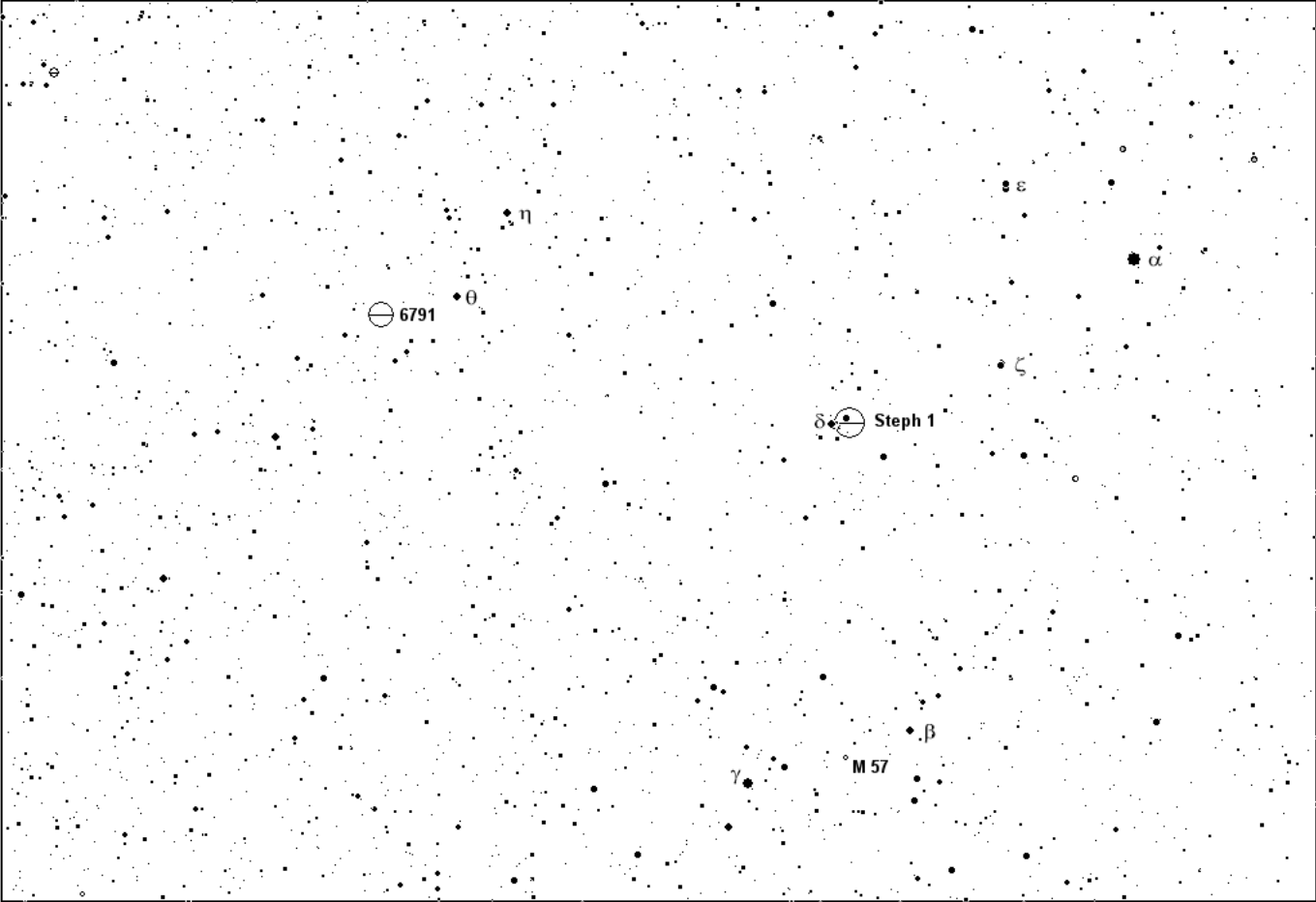


NGC 2683, 2832, 2859
NGC 2549 / PK 164 +31.1



M 56, 57 / NGC 6765 / M1-92

Lyra

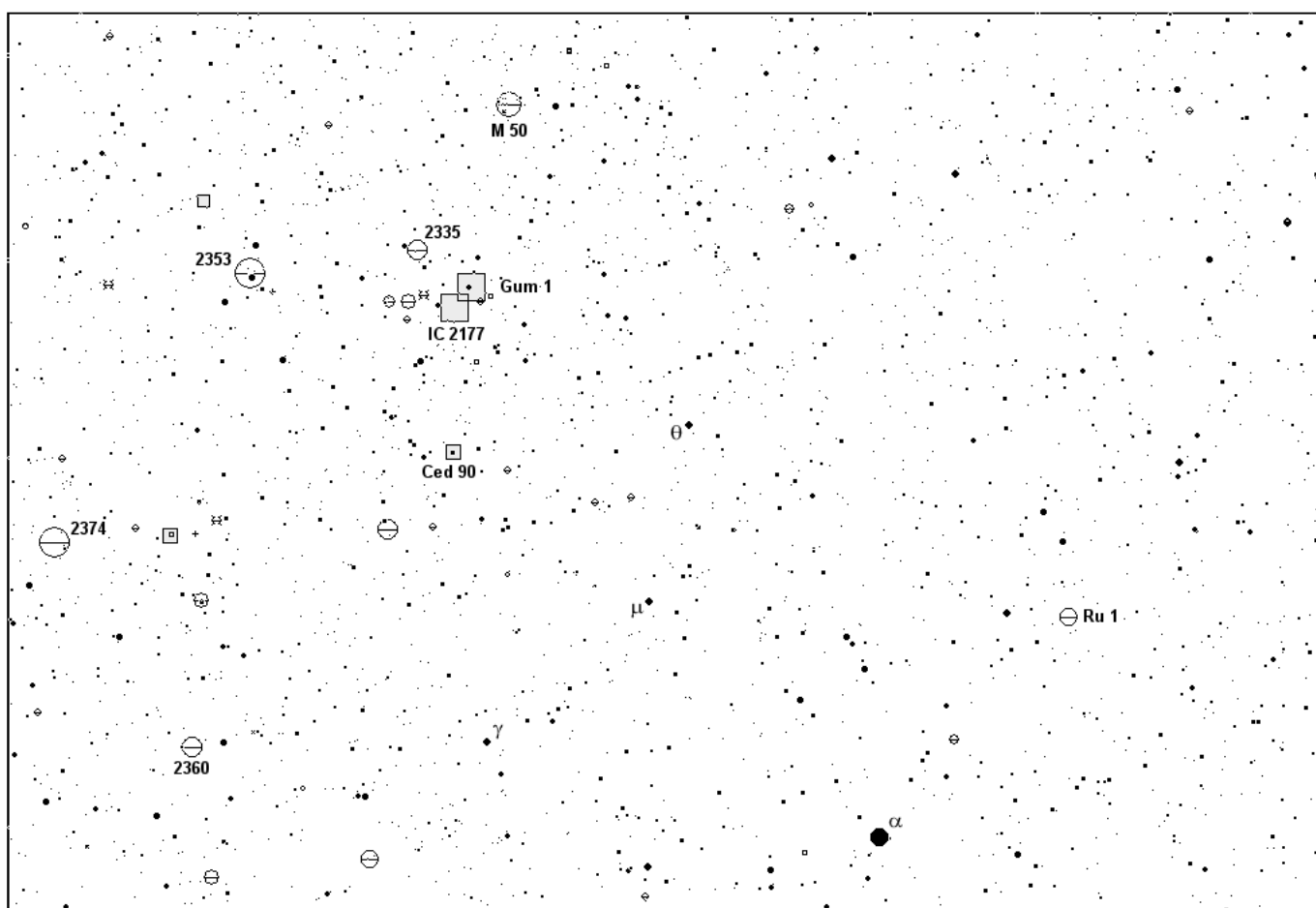
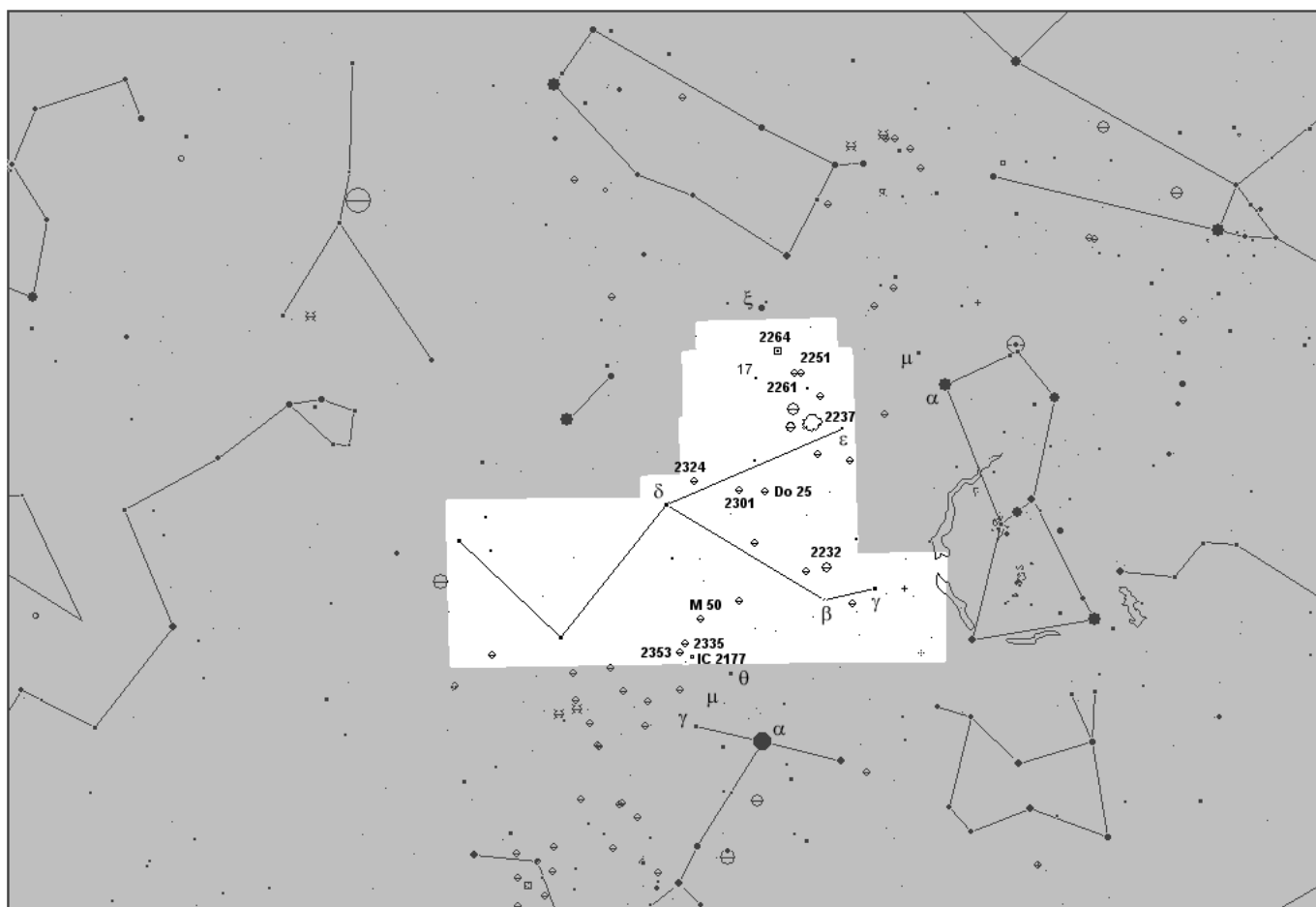


Deep Sky Atlas 2007

M 57 / NGC 6791 / Steph 1

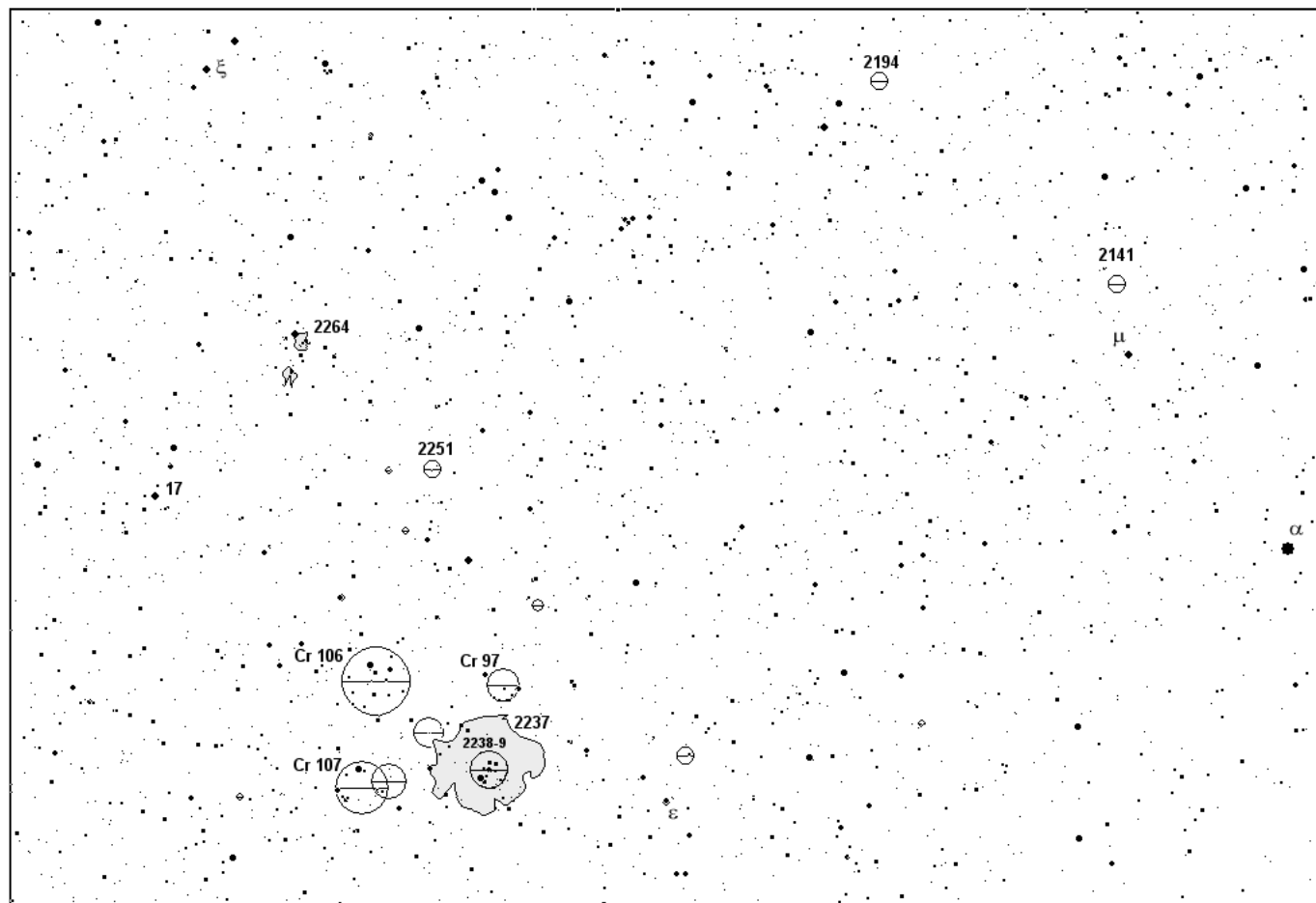
MI

Monoceros - Jednorožec

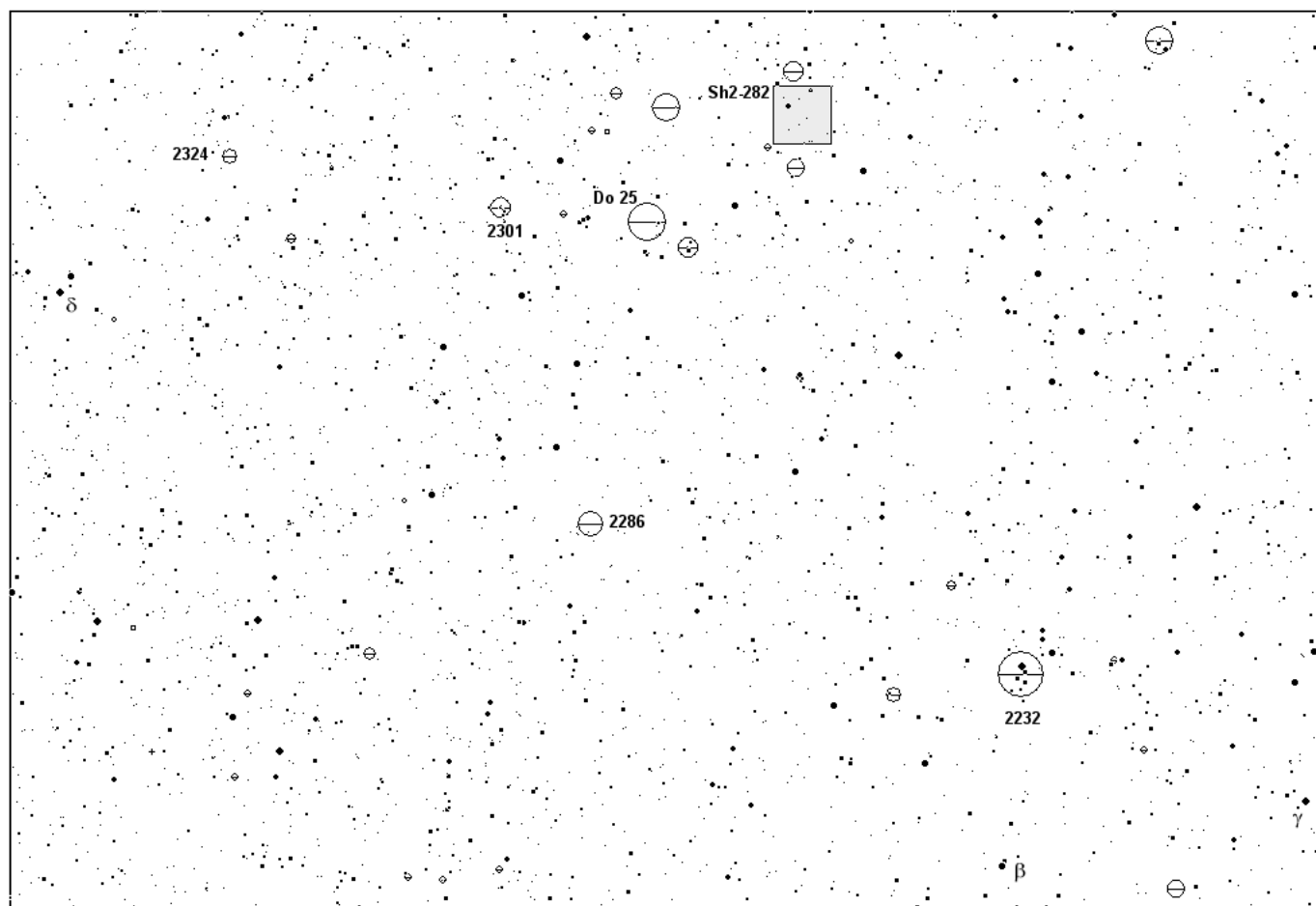


M 50 / NGC 2335, 2353, 2360, 2374 / IC 2177 / Ru 1 / Gum 1 / Ced 90

Monoceros - Jednorožec

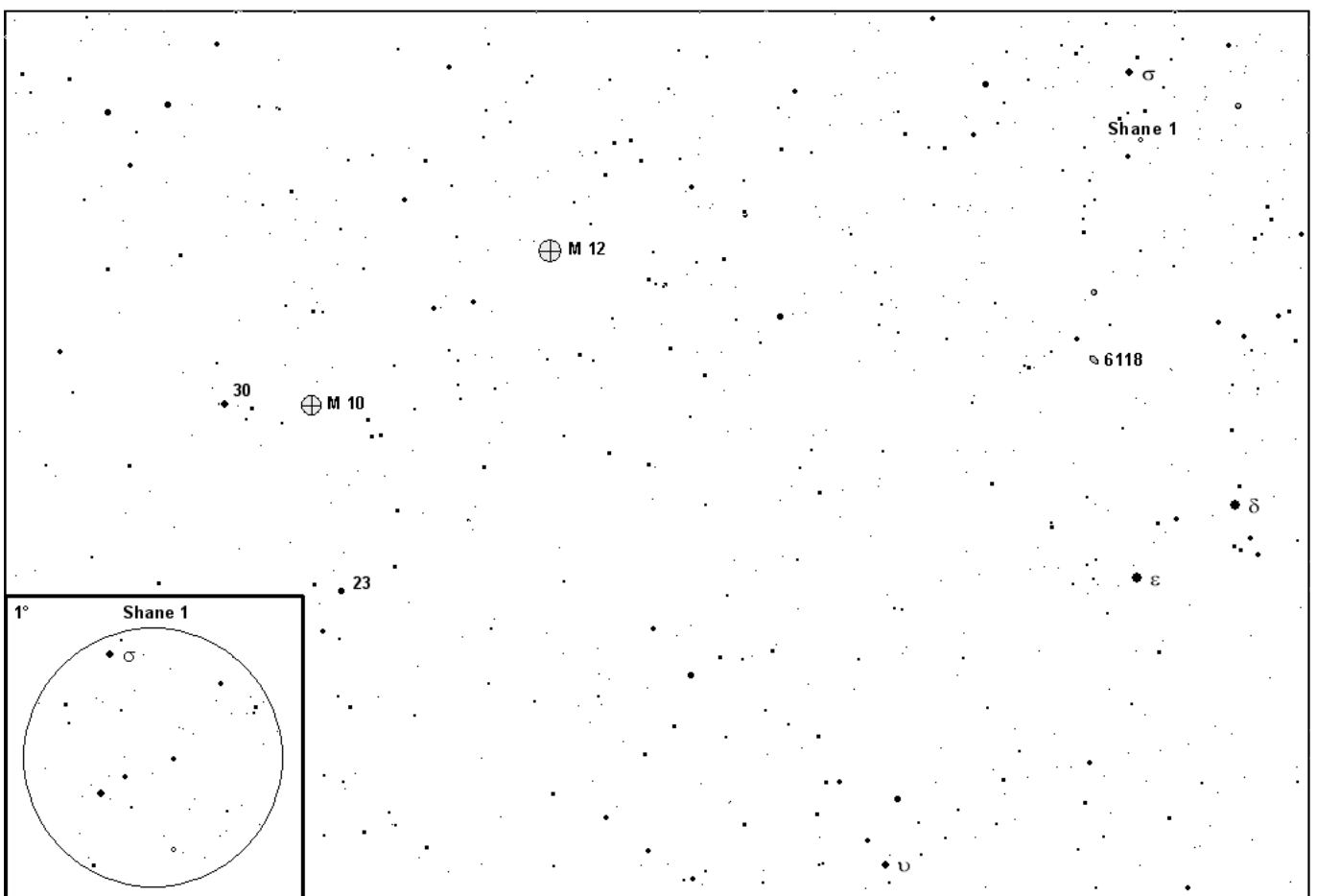
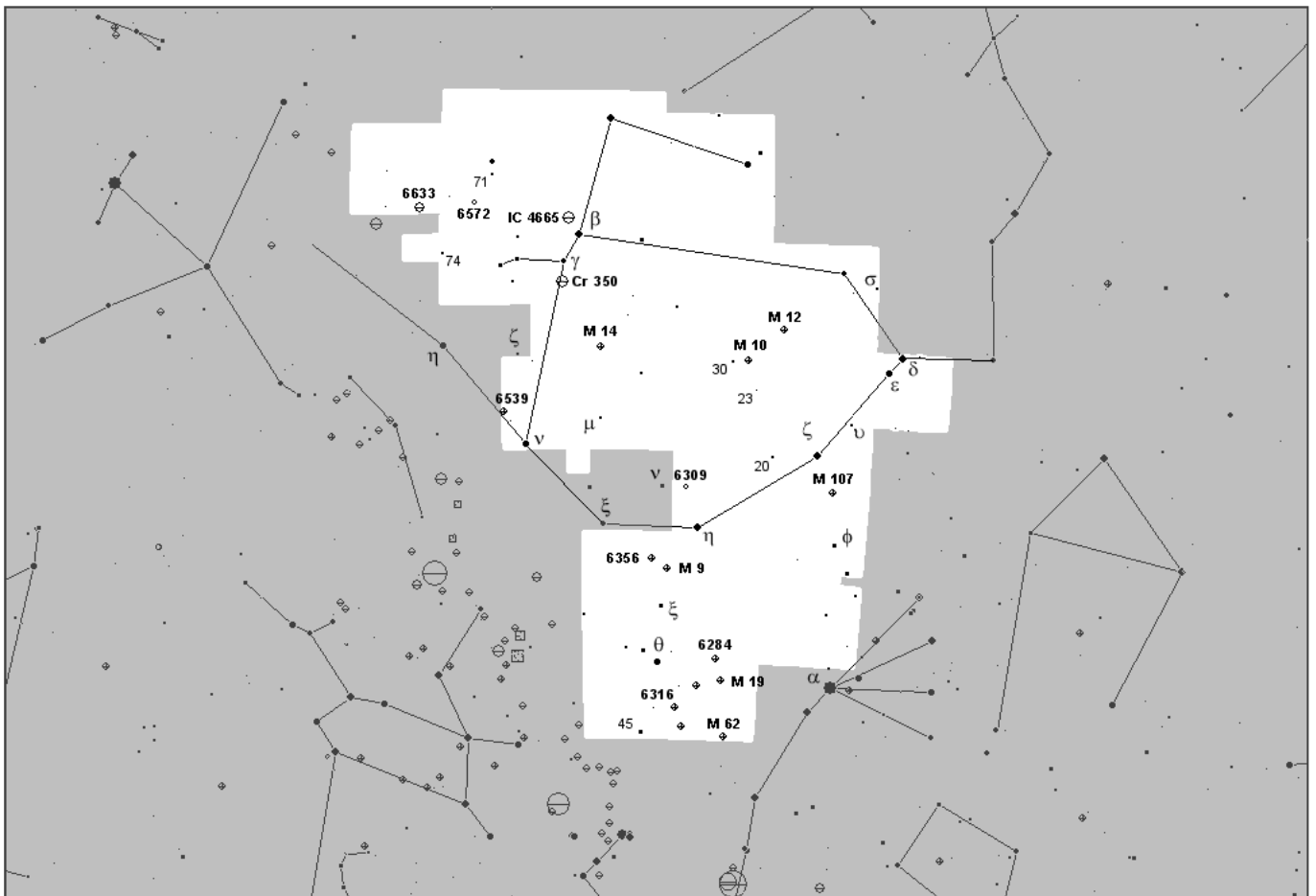


Deep Sky Atlas 2007



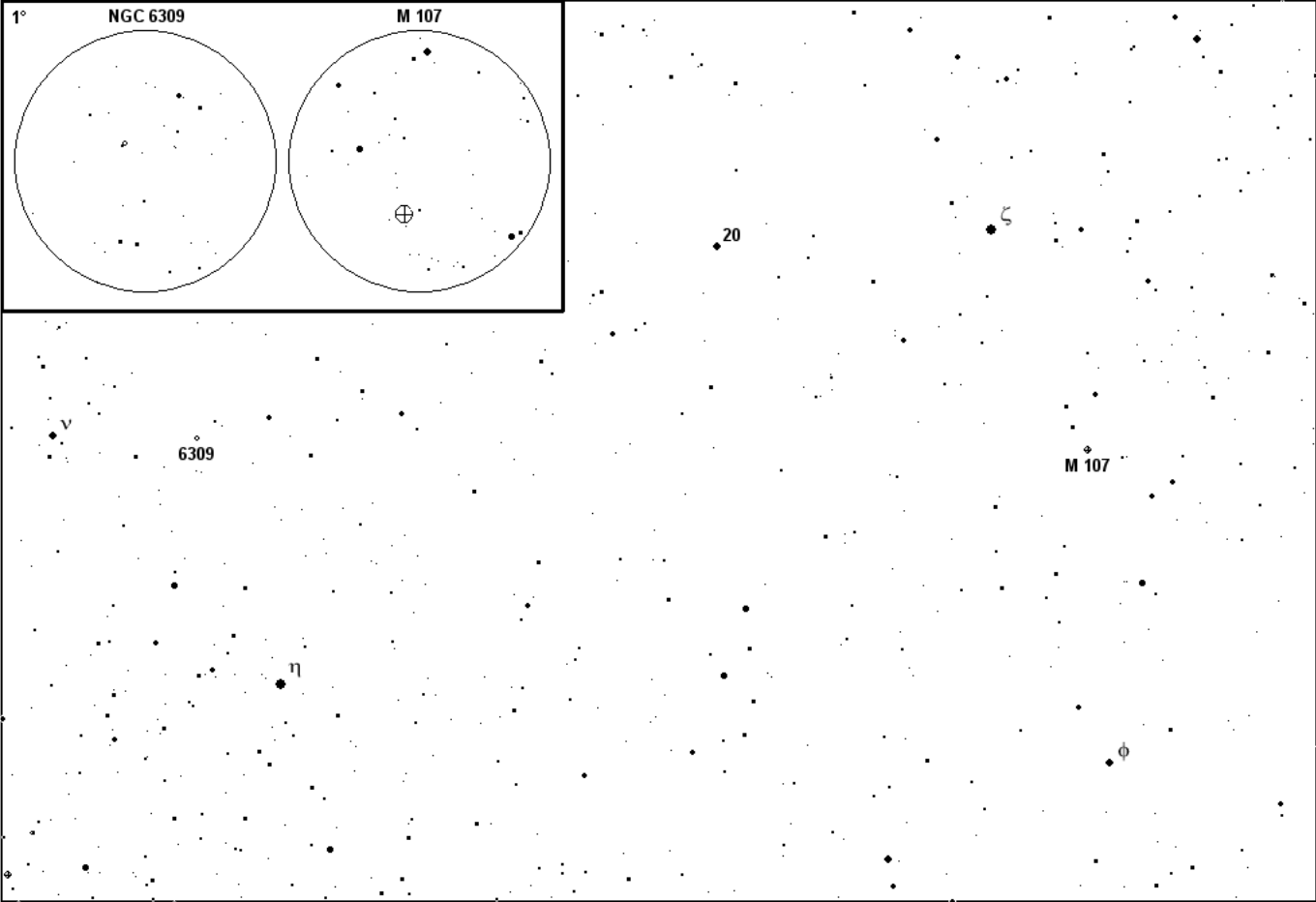
NGC 2141, 2194, 2237-9, 2251, 2264 / Cr 97, 106, 107
NGC 2232, 2286, 2301, 2324 / Do 25 / Sh2 -282

Ophiuchus - Hadonoš

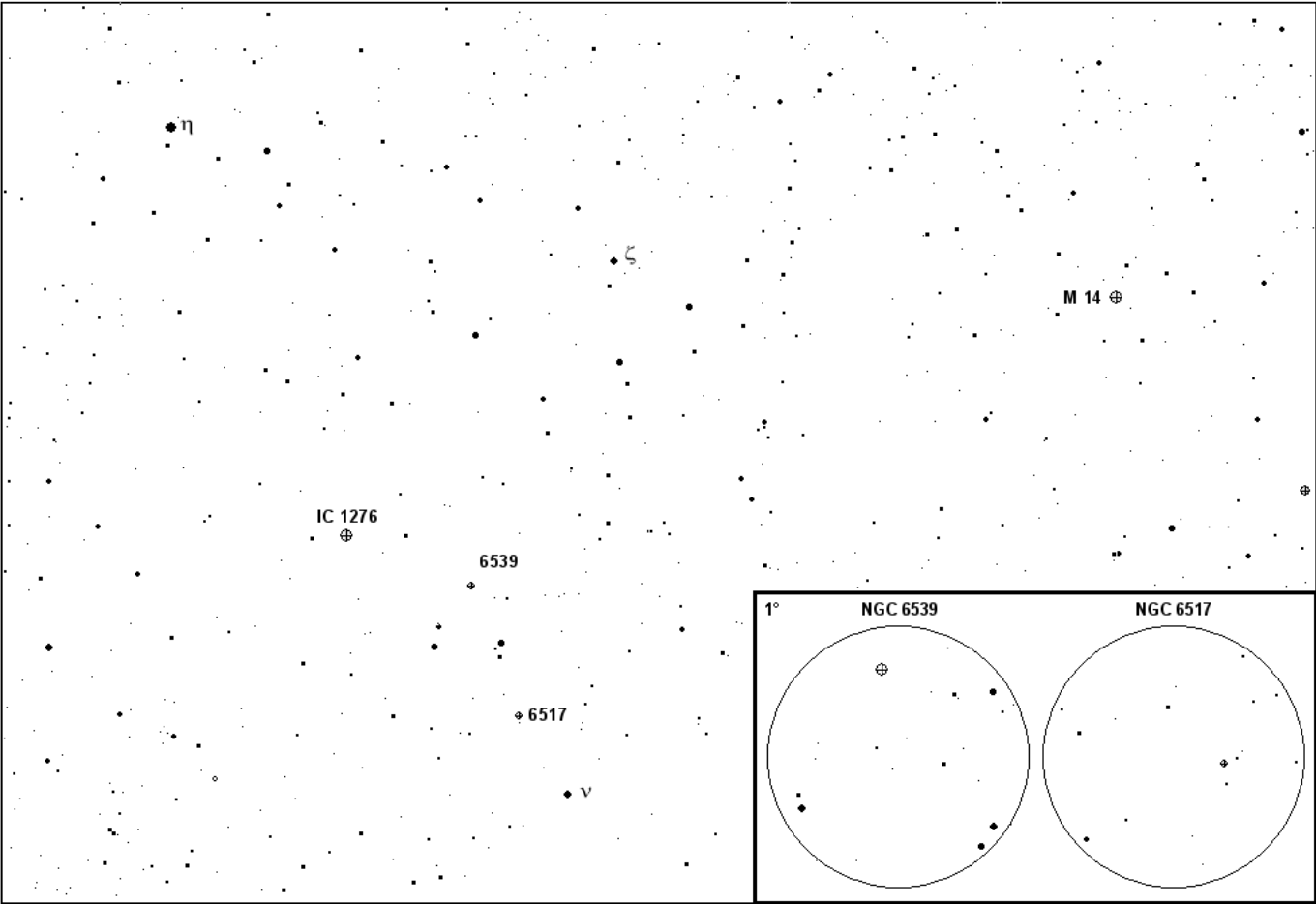


M 10, 12 / NGC 6118 / Shane 1

Ophiuchus - Hadonoš



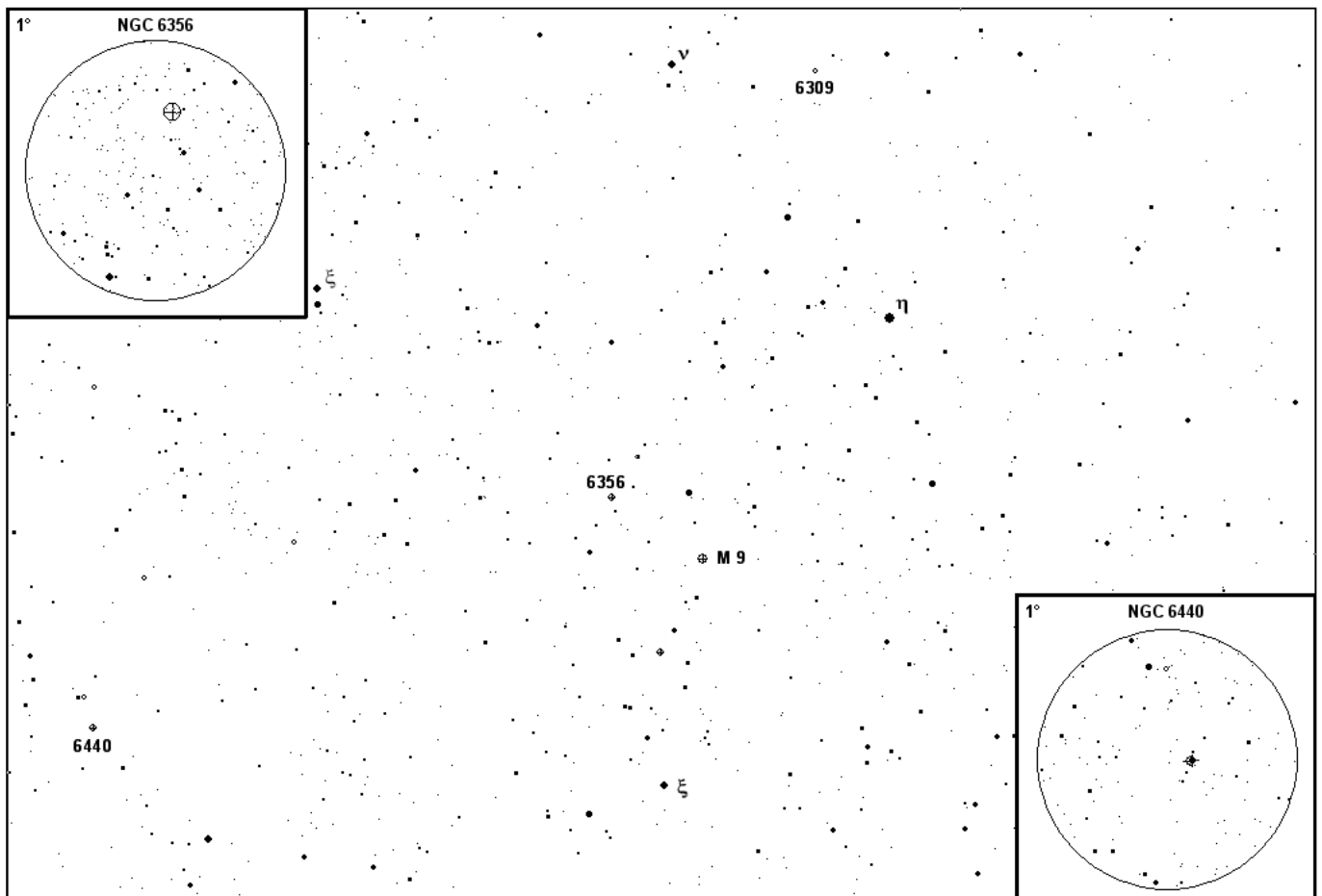
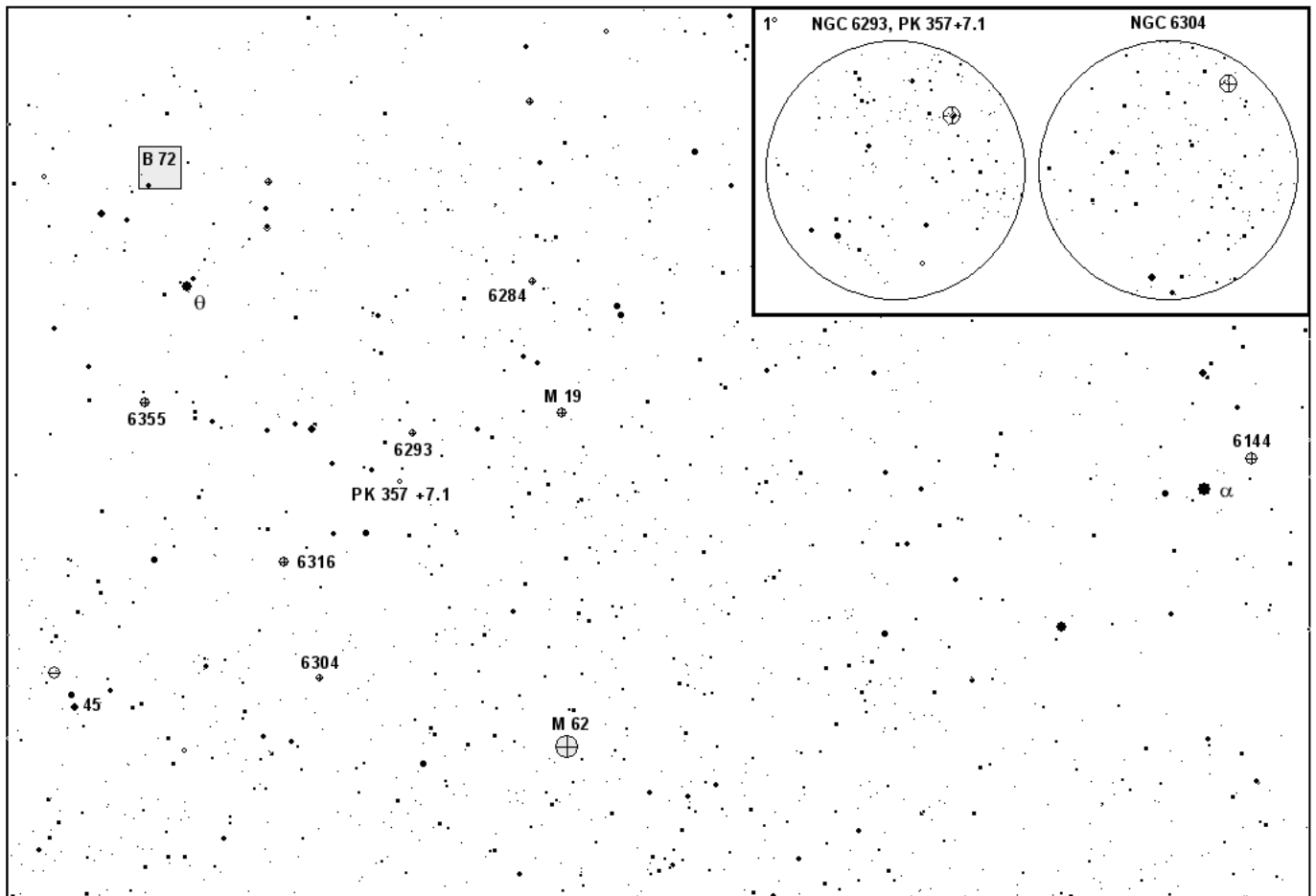
Deep Sky Atlas 2007



MI

M 107 / NGC 6309
M 14 / NGC 6517, 6539 / IC 1276

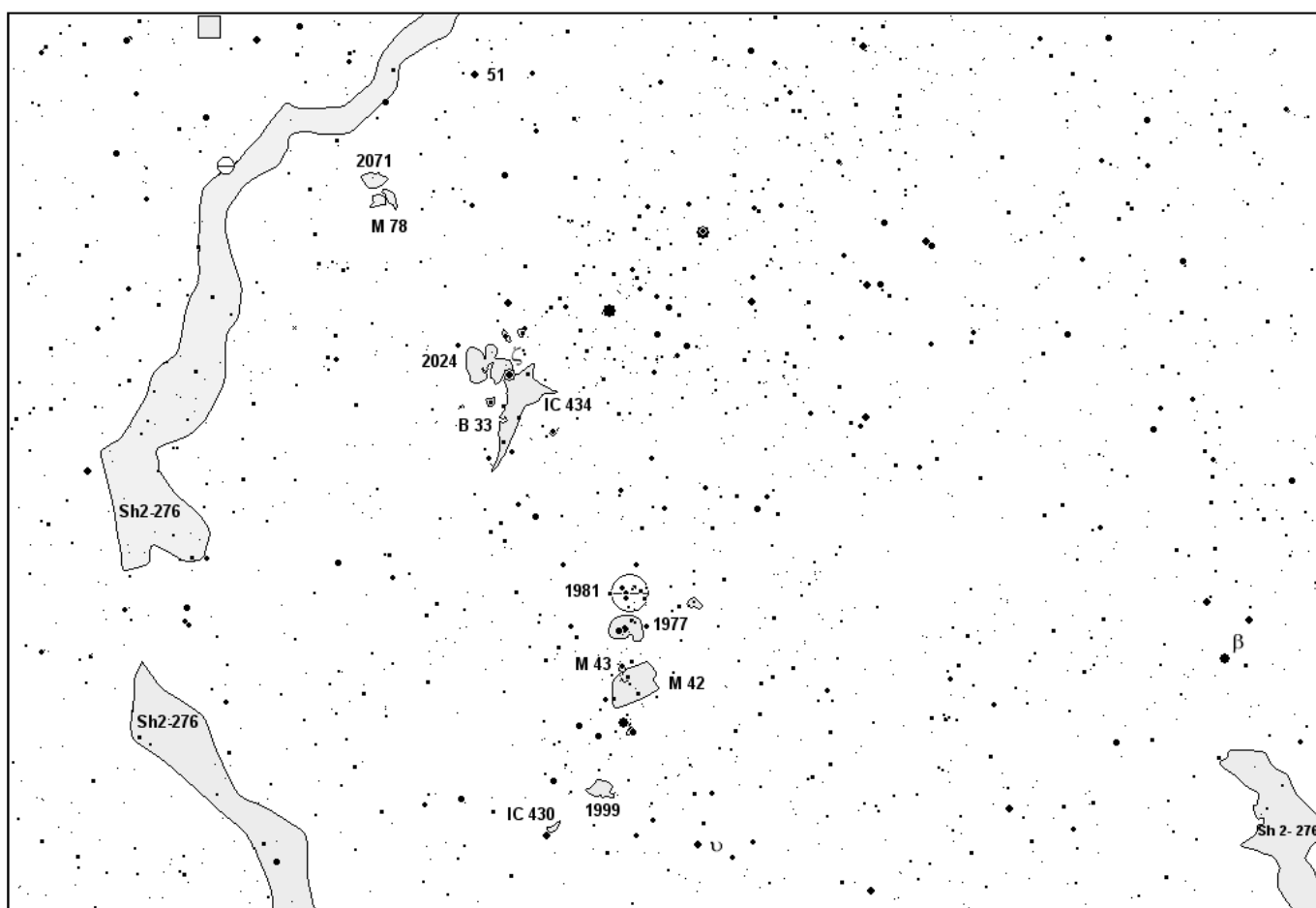
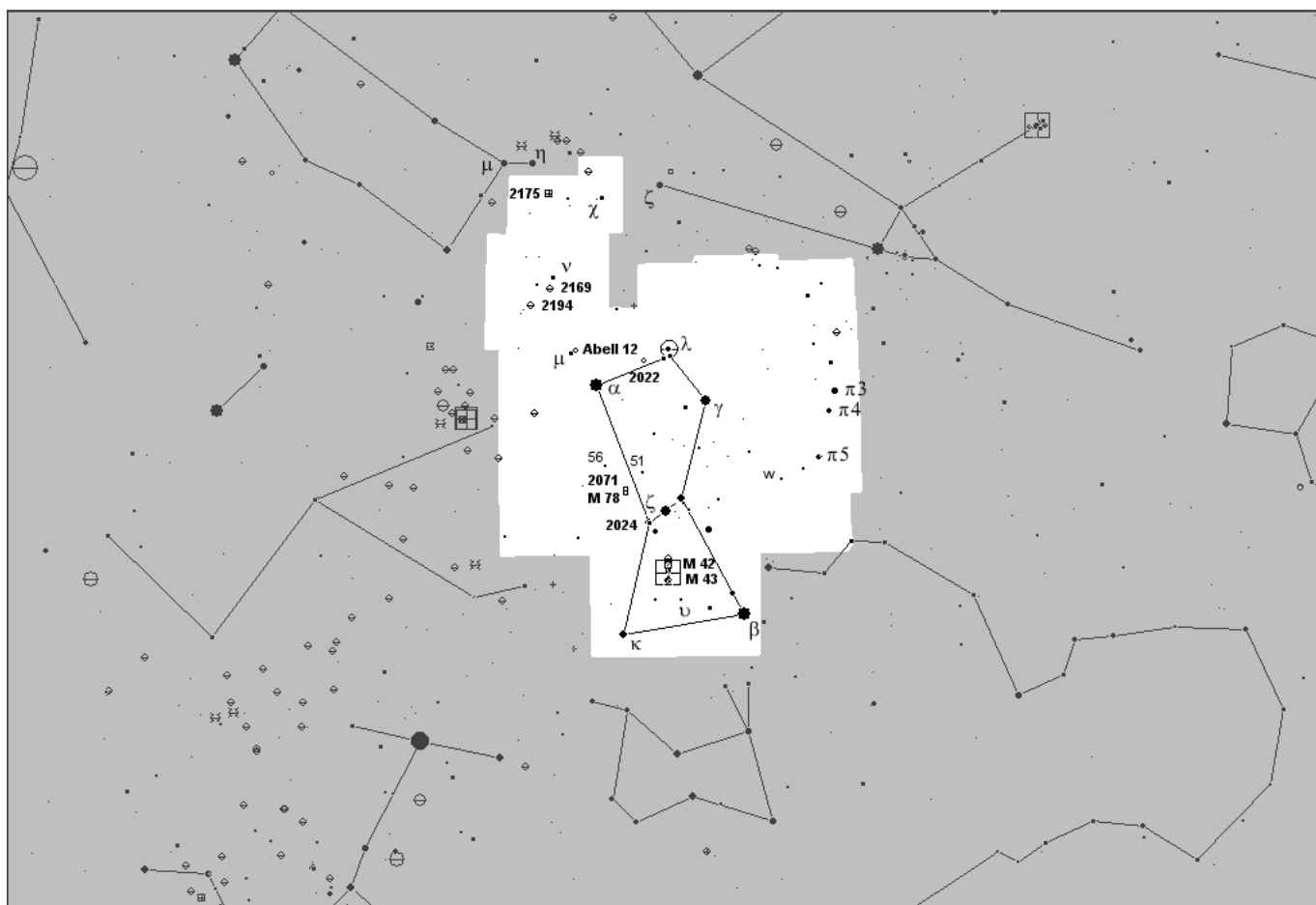
Ophiuchus - Hadonoš



M 19, 62 / NGC 6144, 6284, 6293, 6304, 6316, 6355 / PK 357 +7.1 / B 72
M 9 / NGC 6309, 6356 , 6440

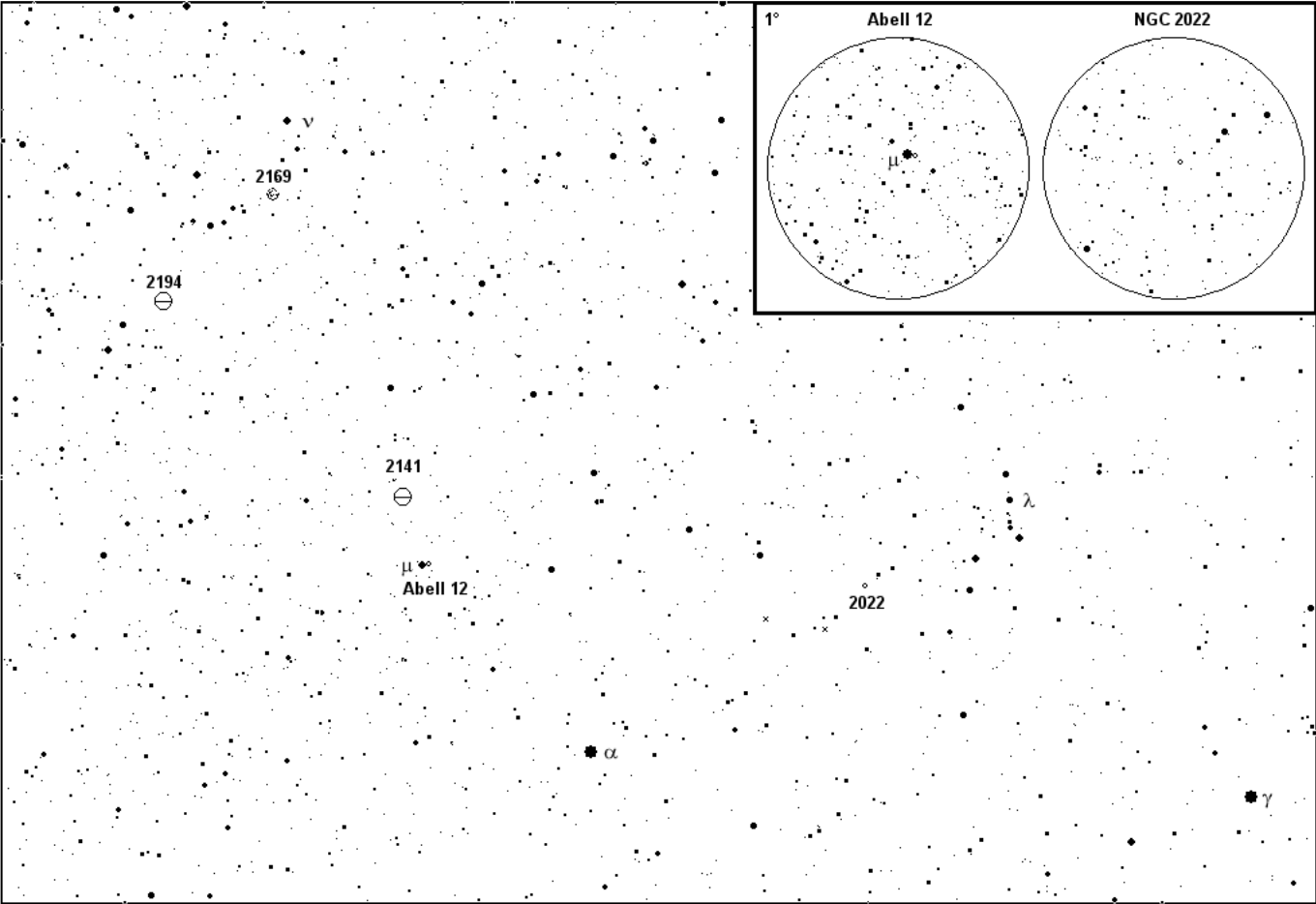
MI

76

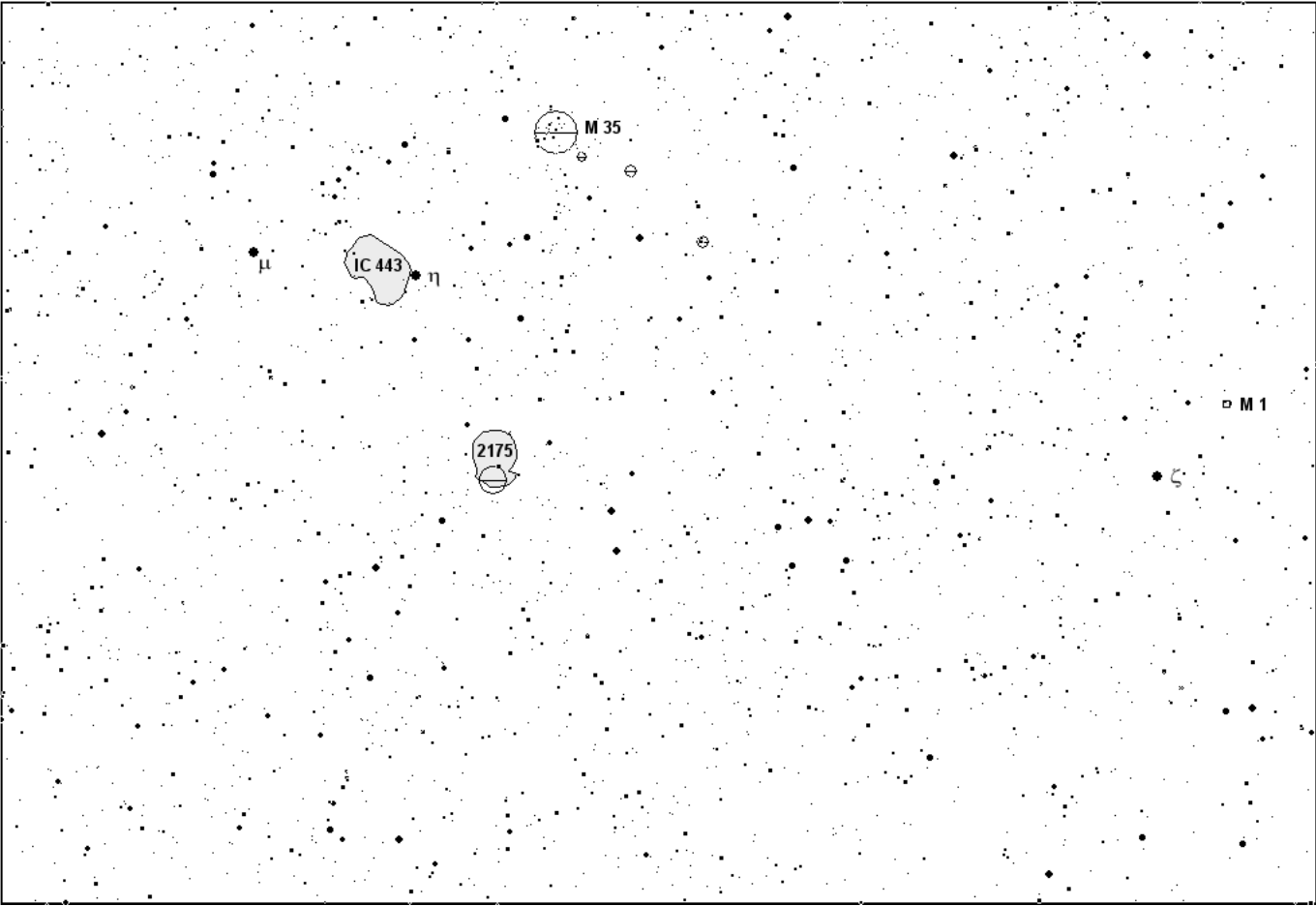


M 42, 43, 78 / NGC 1977, 1981, 1999, 2024, 2071 / IC 430, 434 / B 33 / Sh2-276

Orion

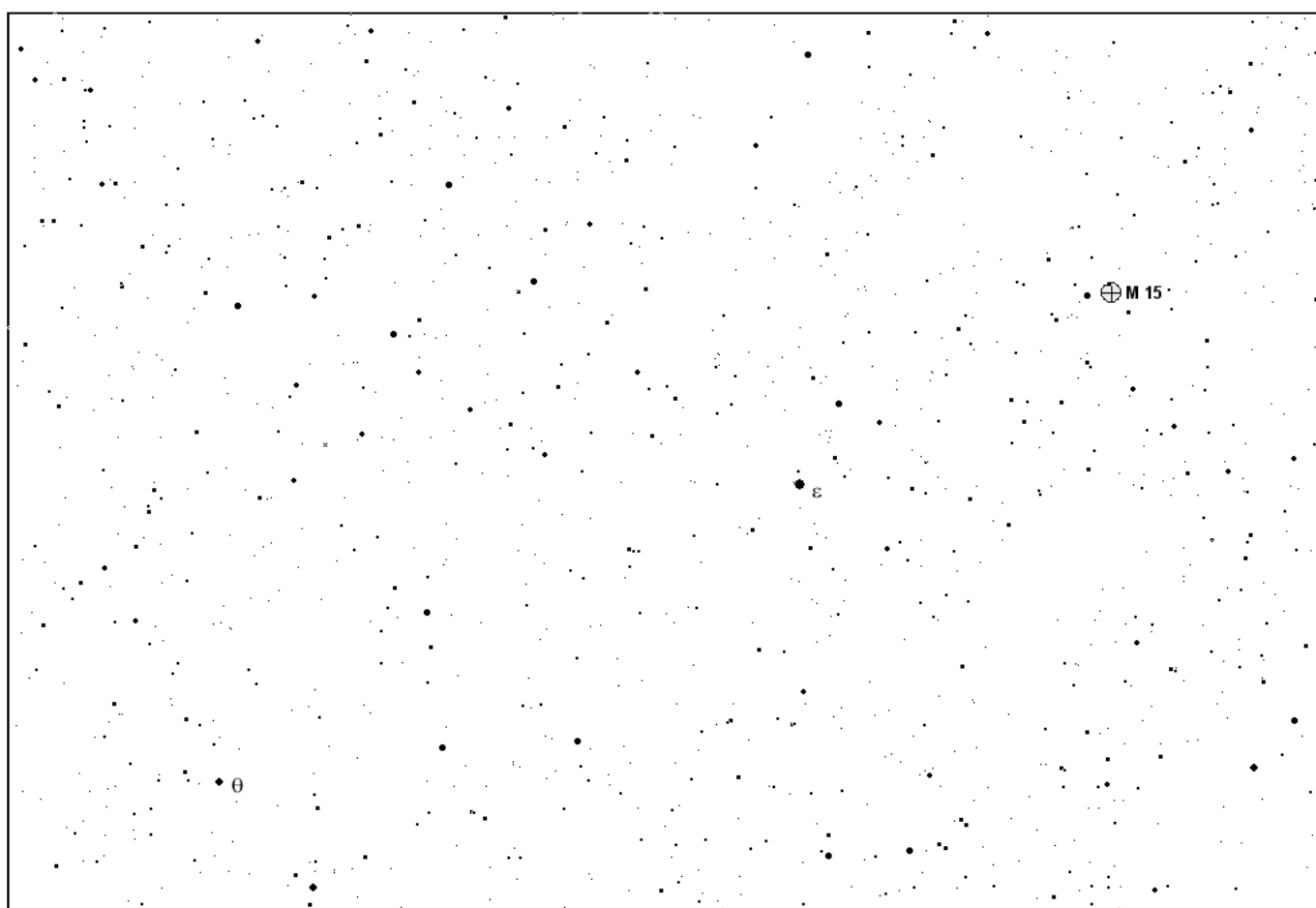
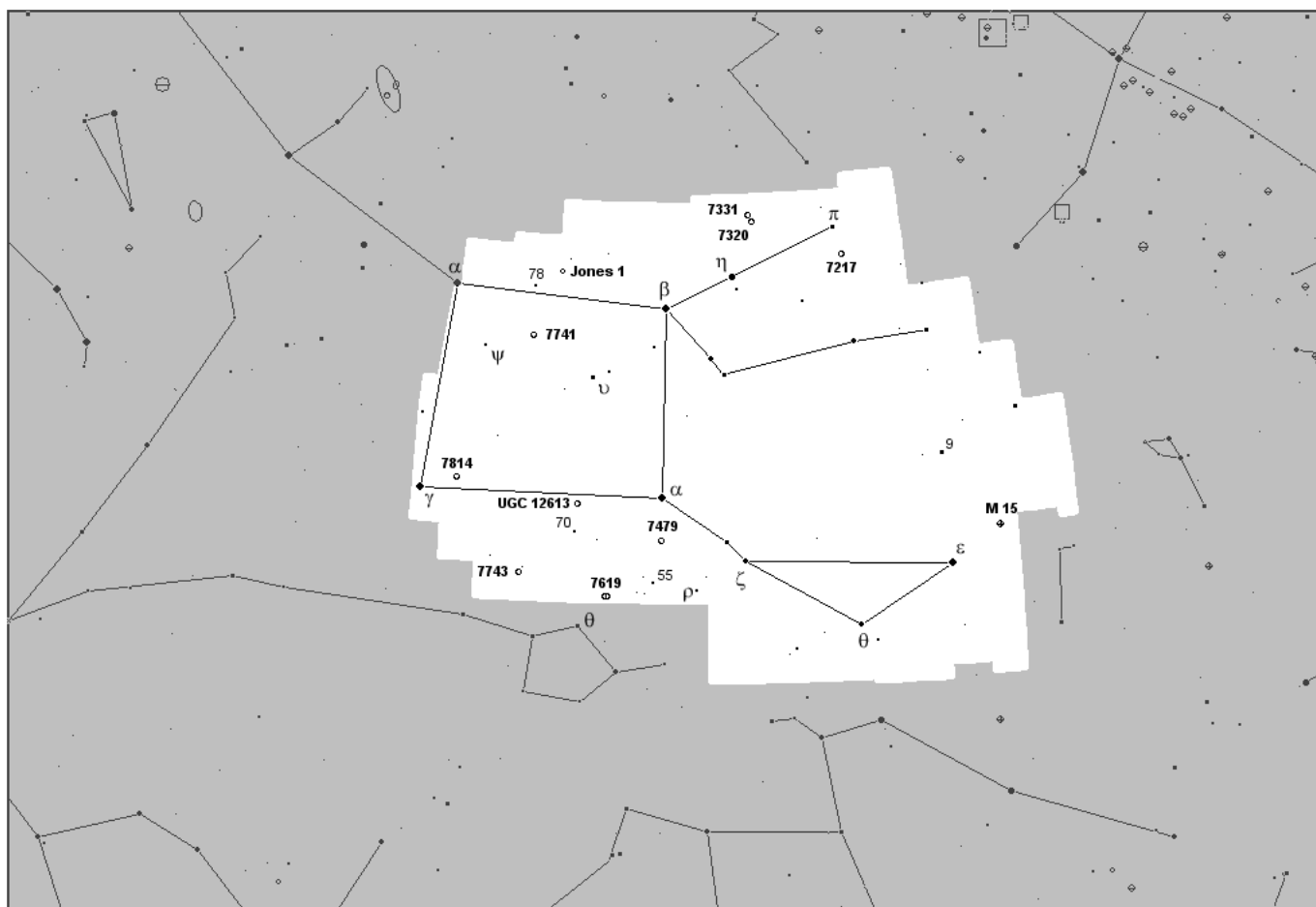


Deep Sky Atlas 2007



MI

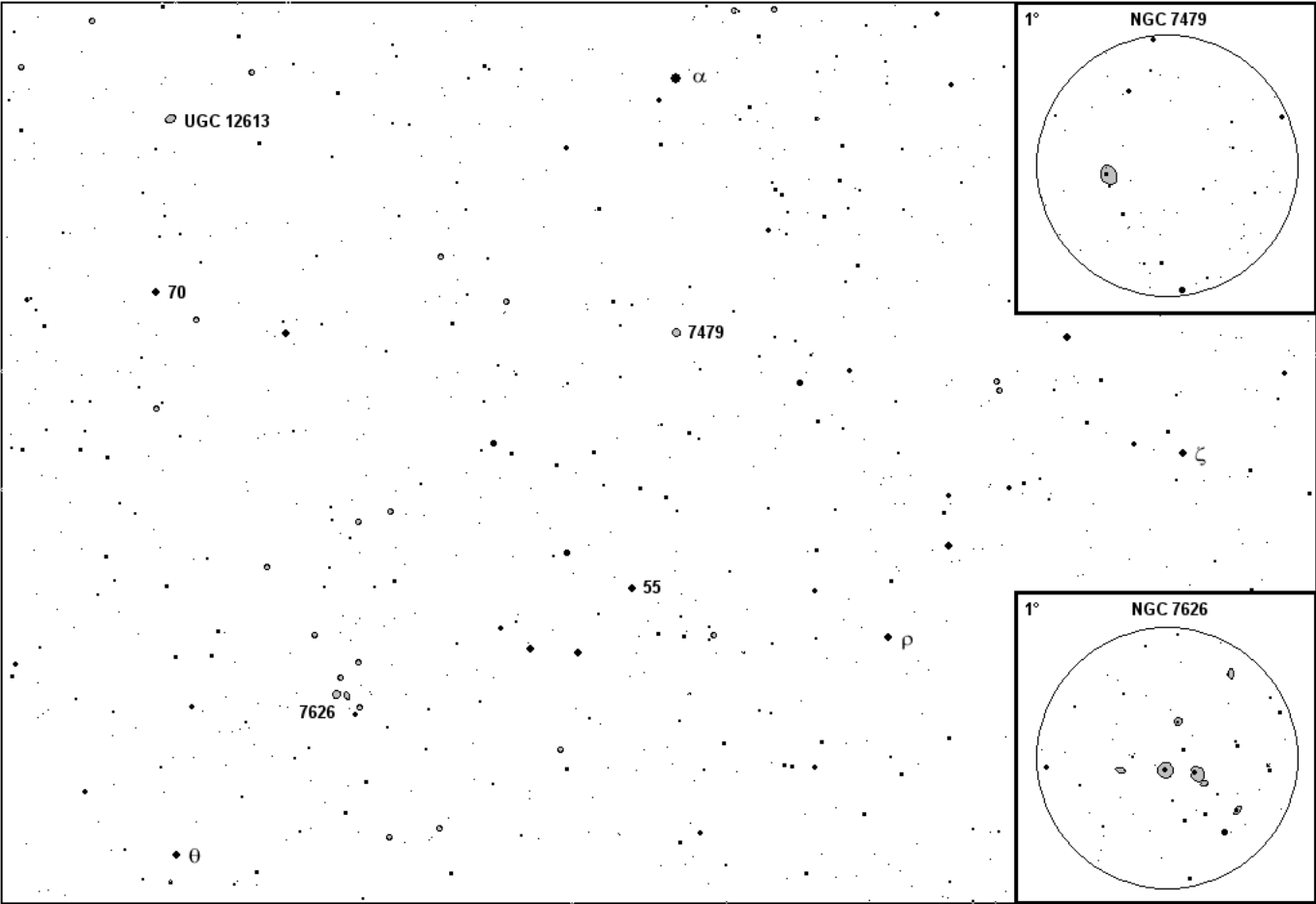
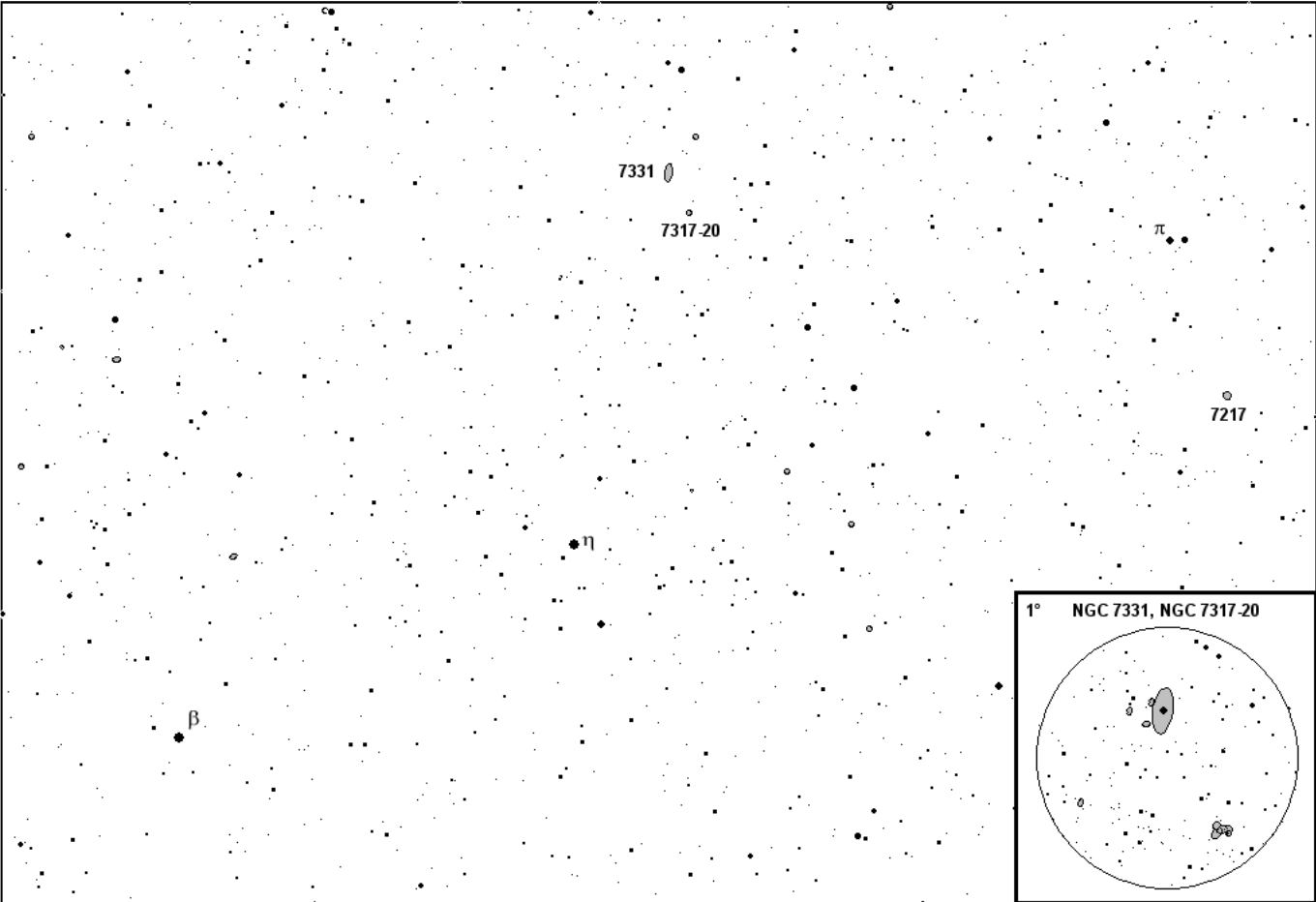
NGC 2022, 2141, 2169, 2194 / Abell 12
M 1, 35 / NGC 2175 / IC 443



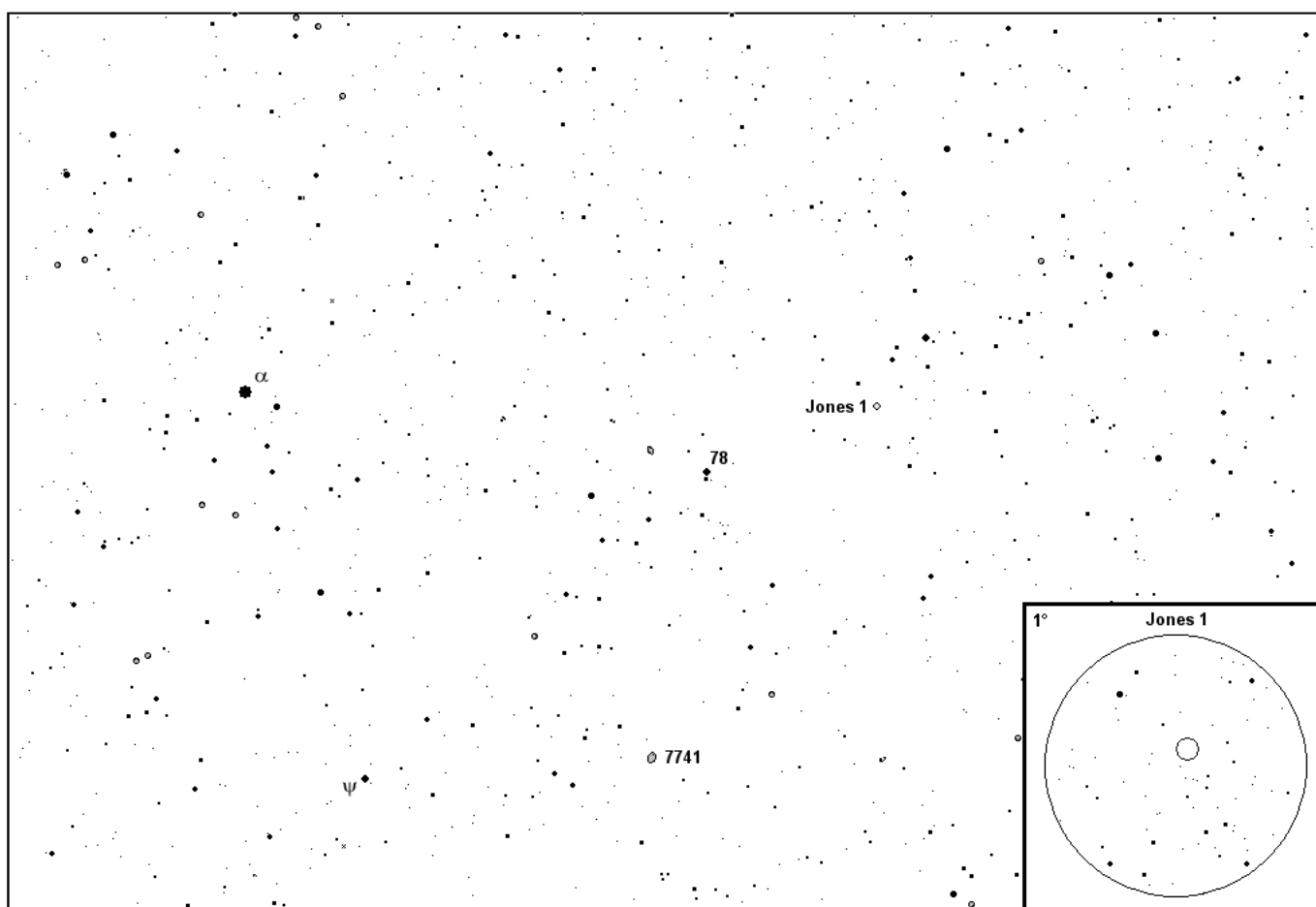
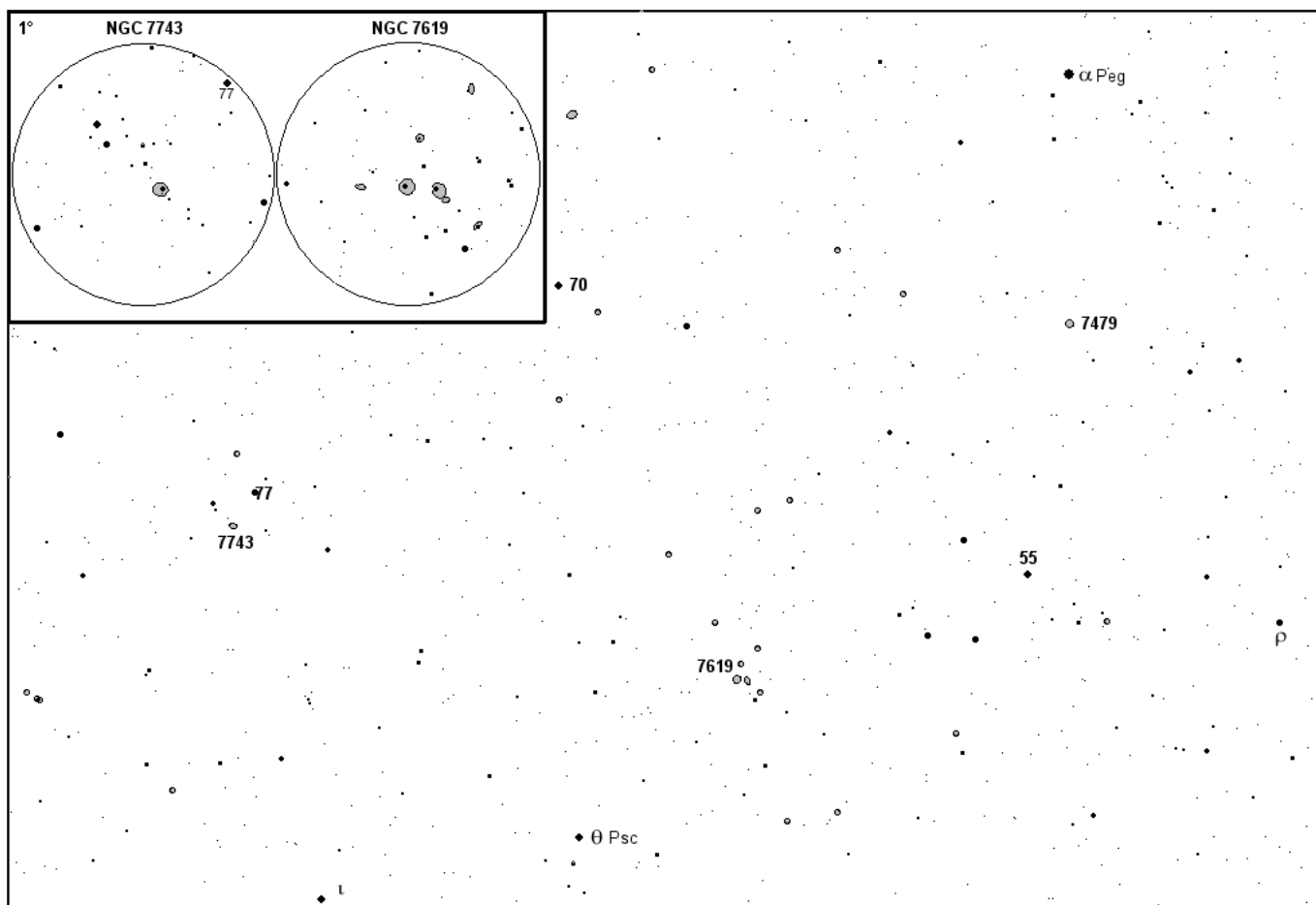
M 15

Pegasus

Deep Sky Atlas 2007

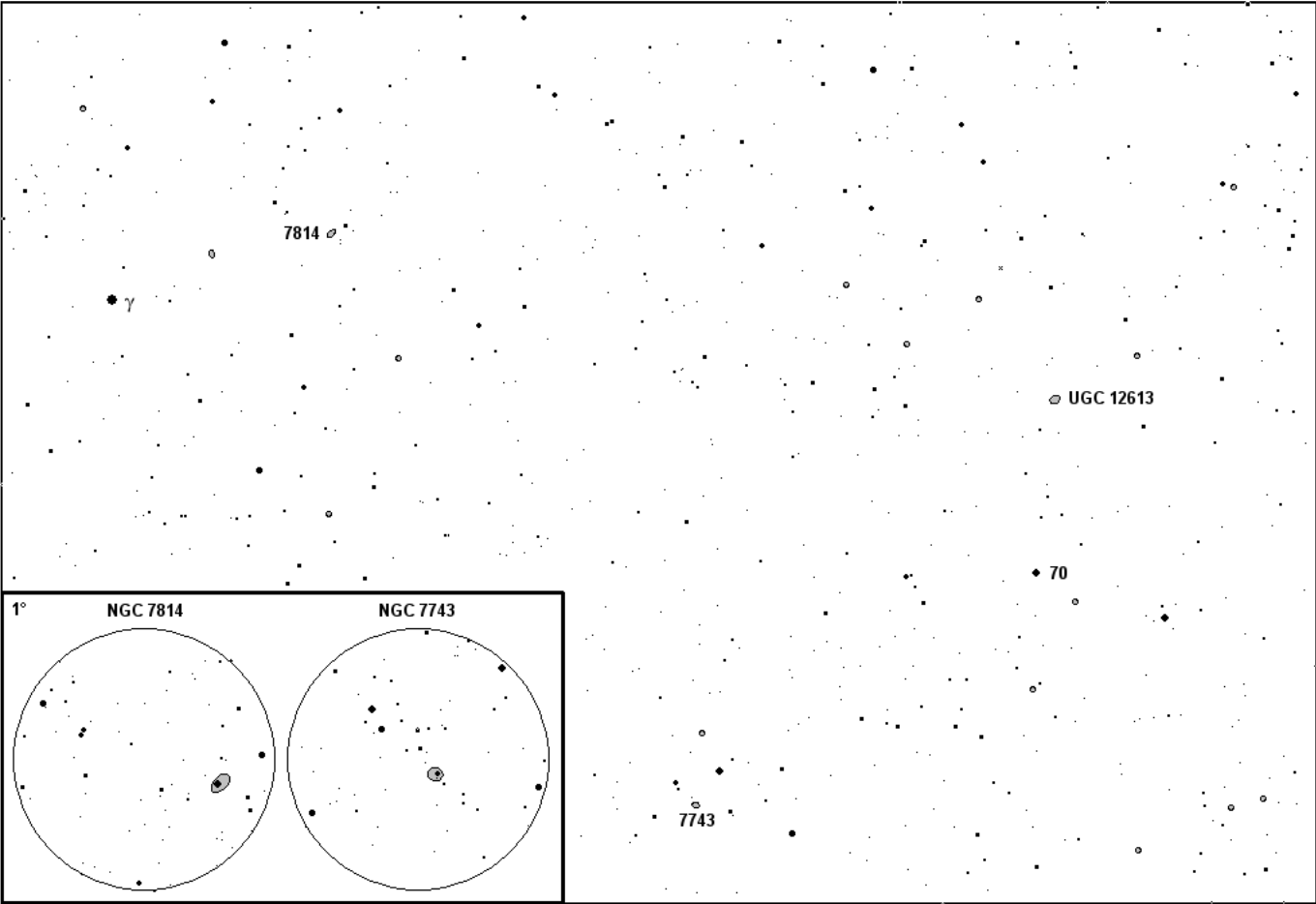


NGC 7217, NGC 7317-20, 7331
NGC 7479, 7626 / UGC 12613



NGC 7479, 7619, 7743
NGC 7741 / Jones 1

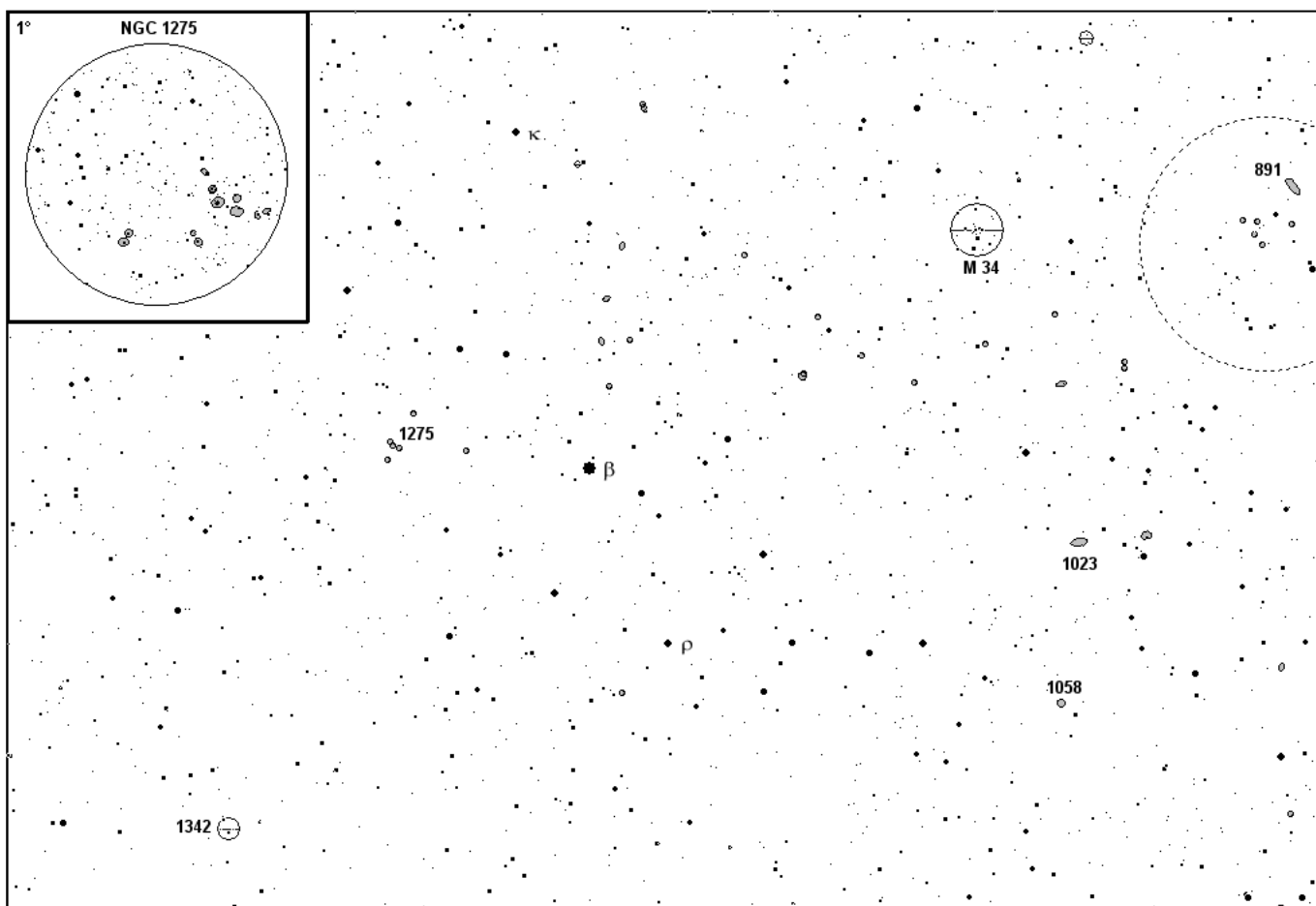
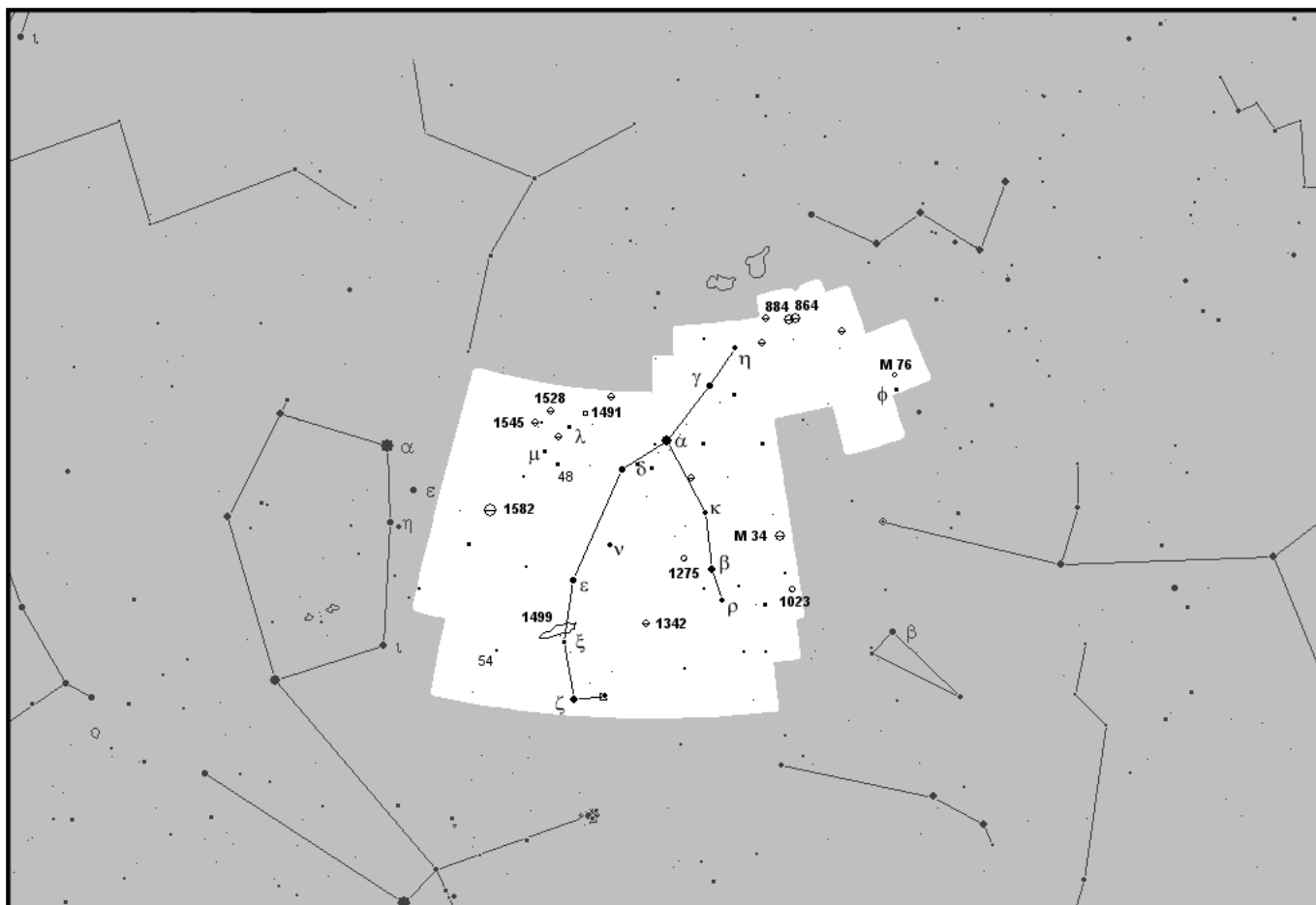
Pegasus



Deep Sky Atlas 2007

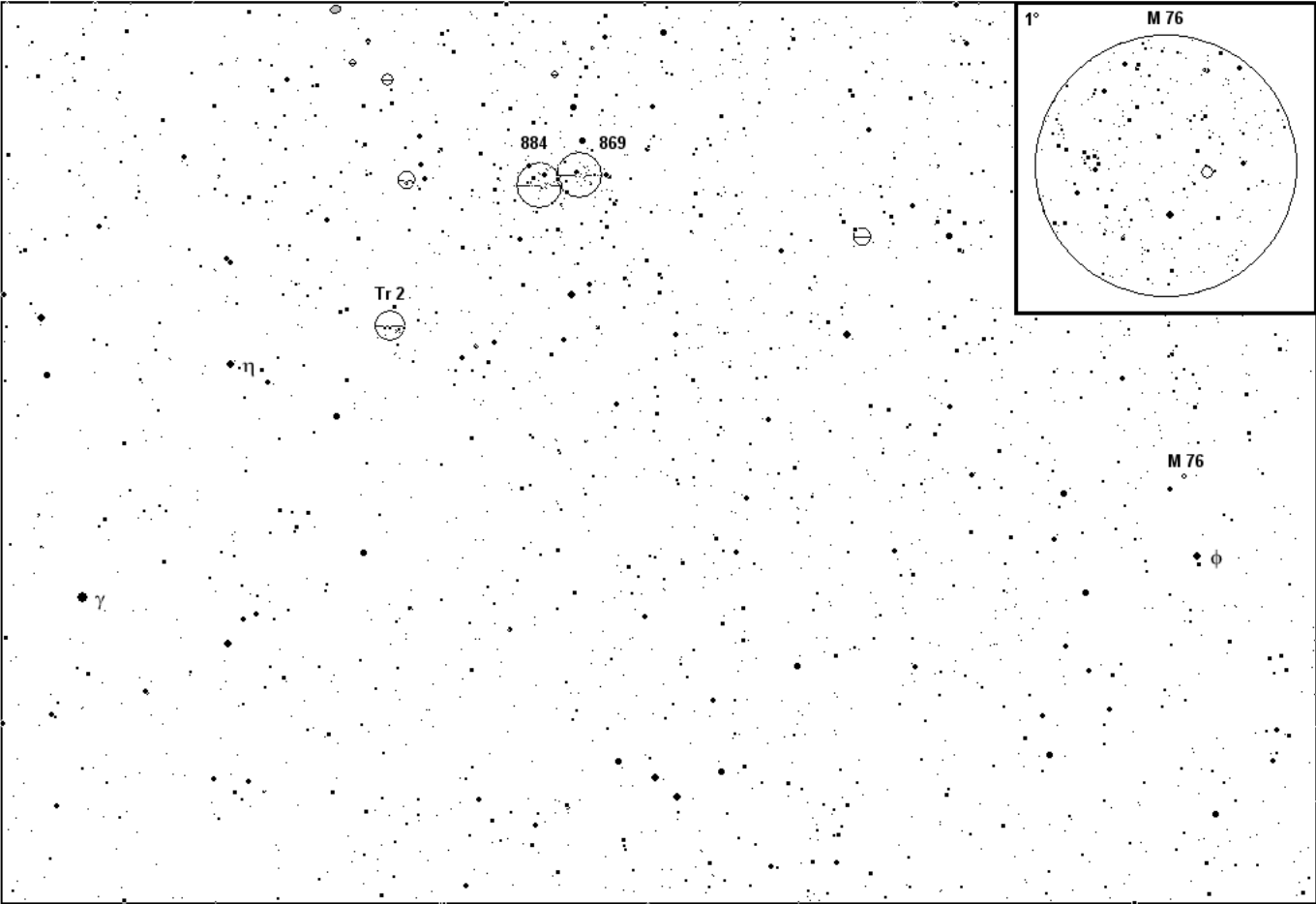
NGC 7743, 7814 / UGC 12613

MI

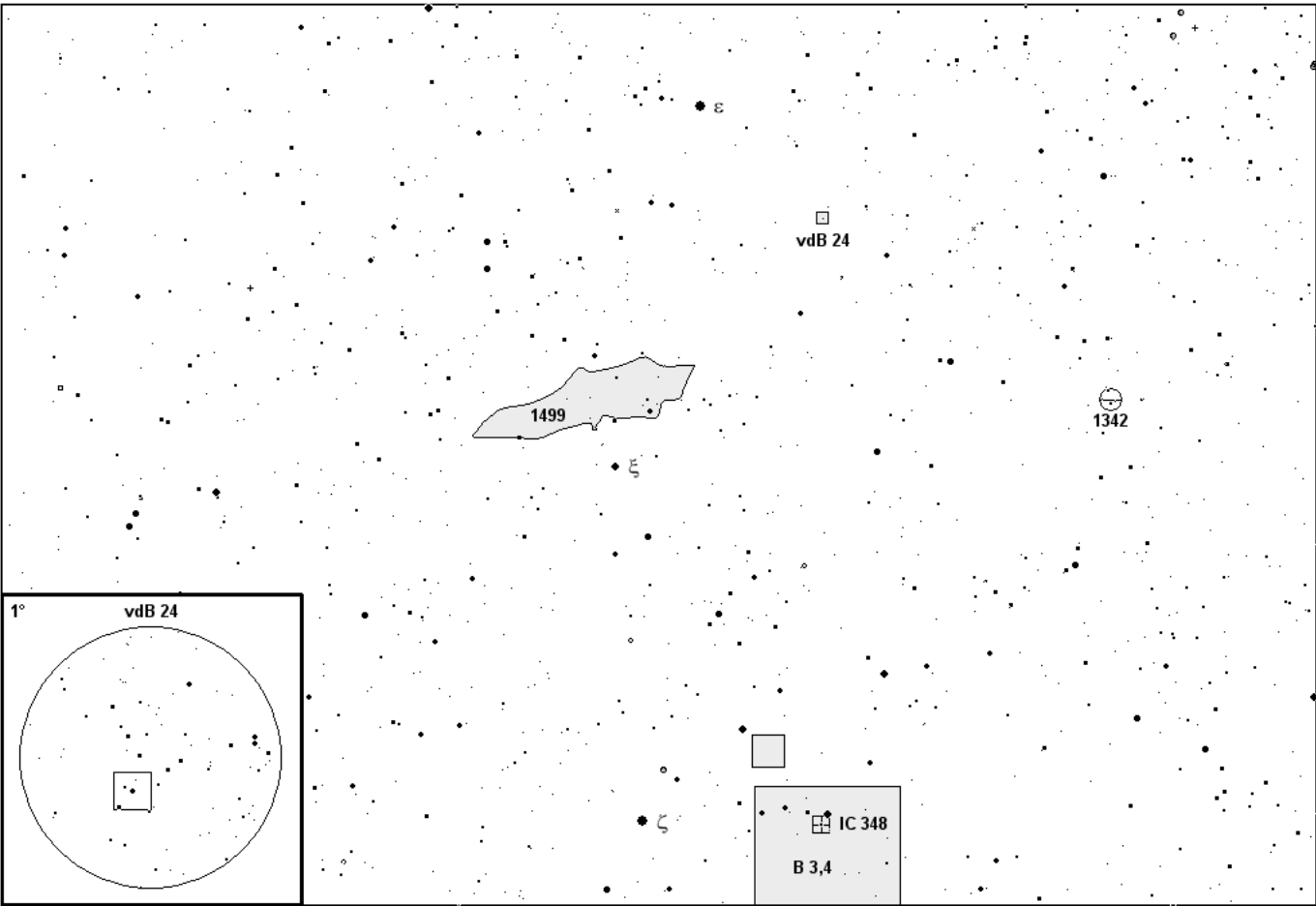


M 34 / NGC 891, 1023, 1058, 1275, 1342

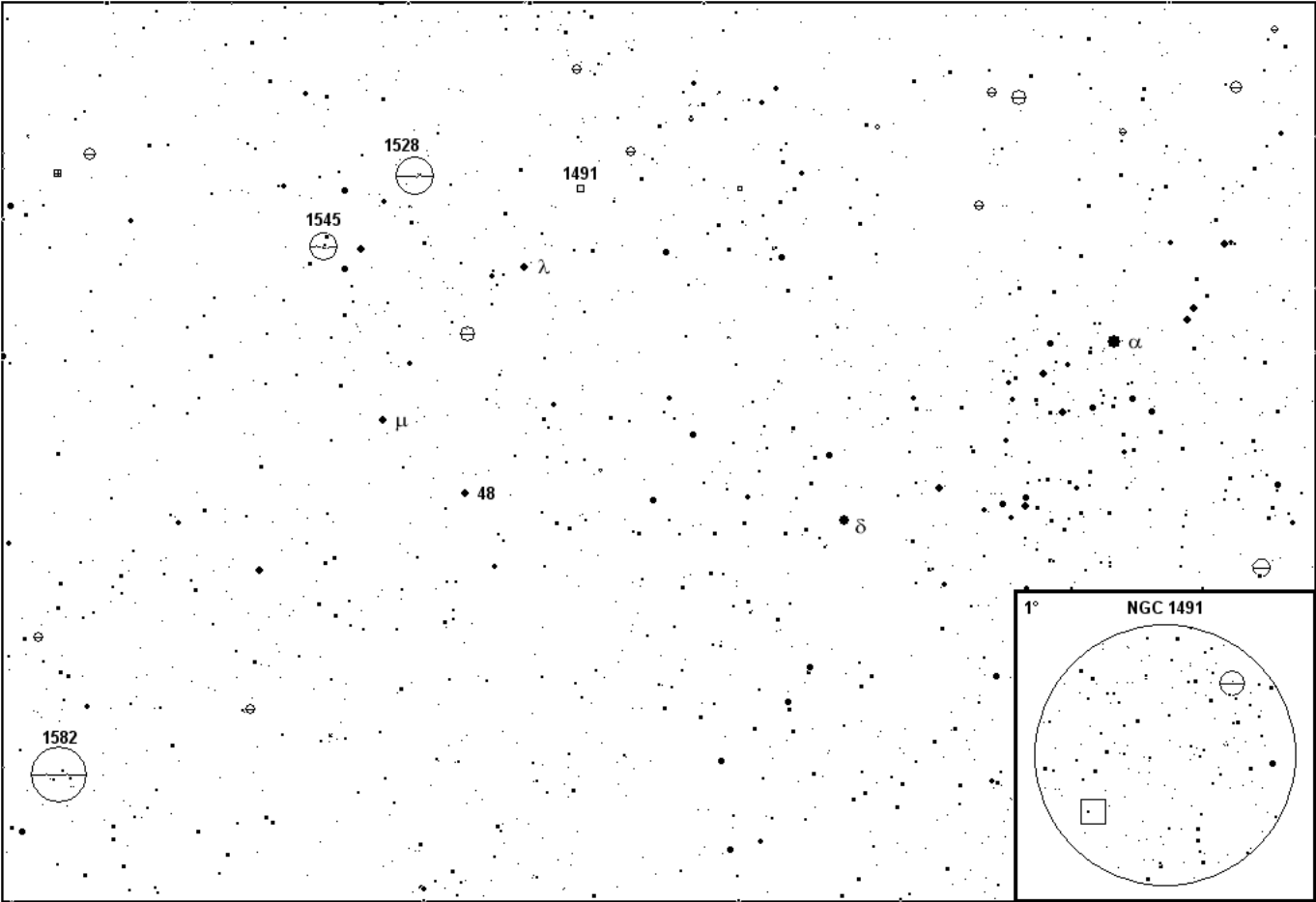
Perseus



Deep Sky Atlas 2007

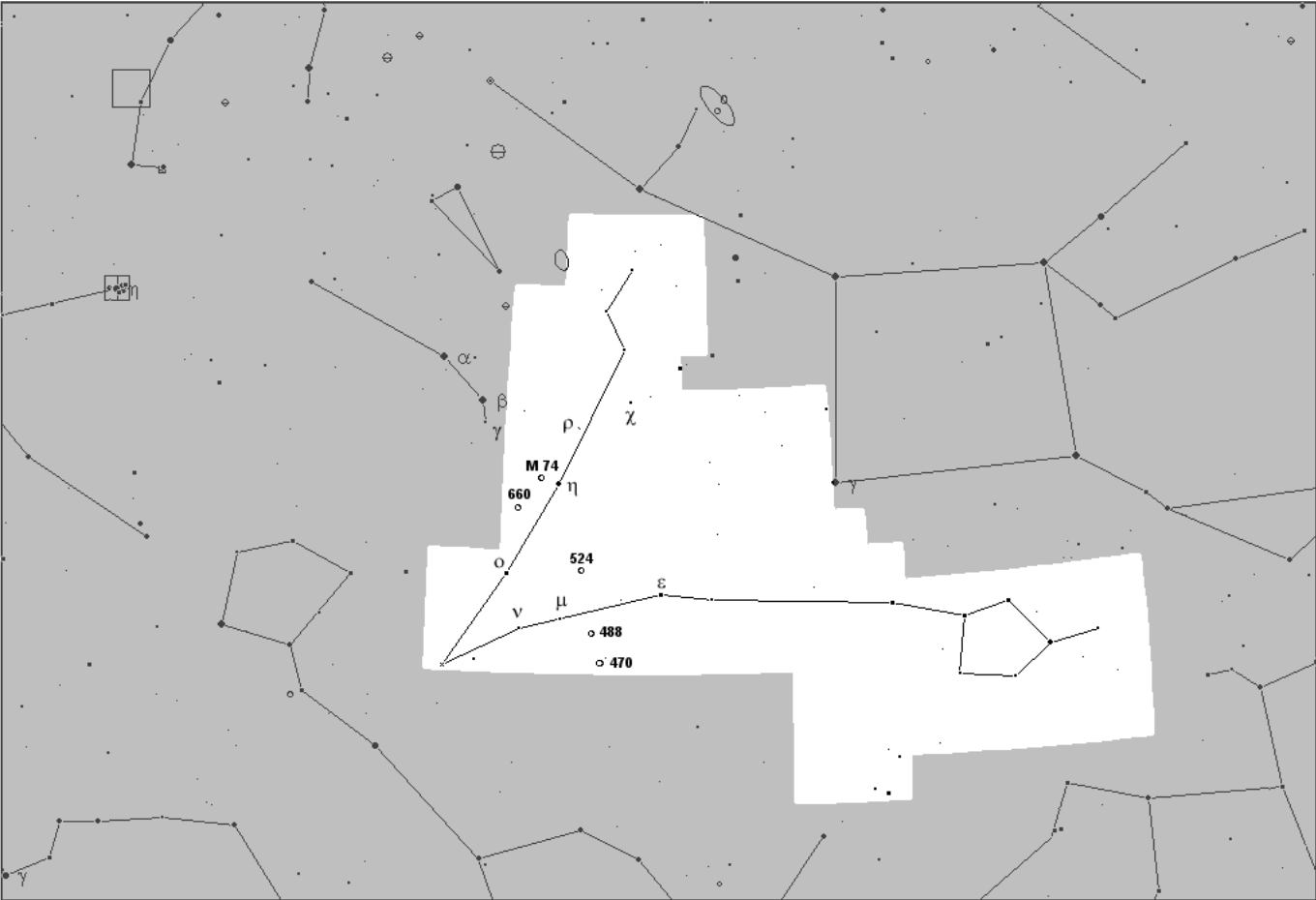


M 76 / NGC 869, 884 / Tr 2
NGC 1342, 1499 / IC 348 / vdB 24 / B 3, 4

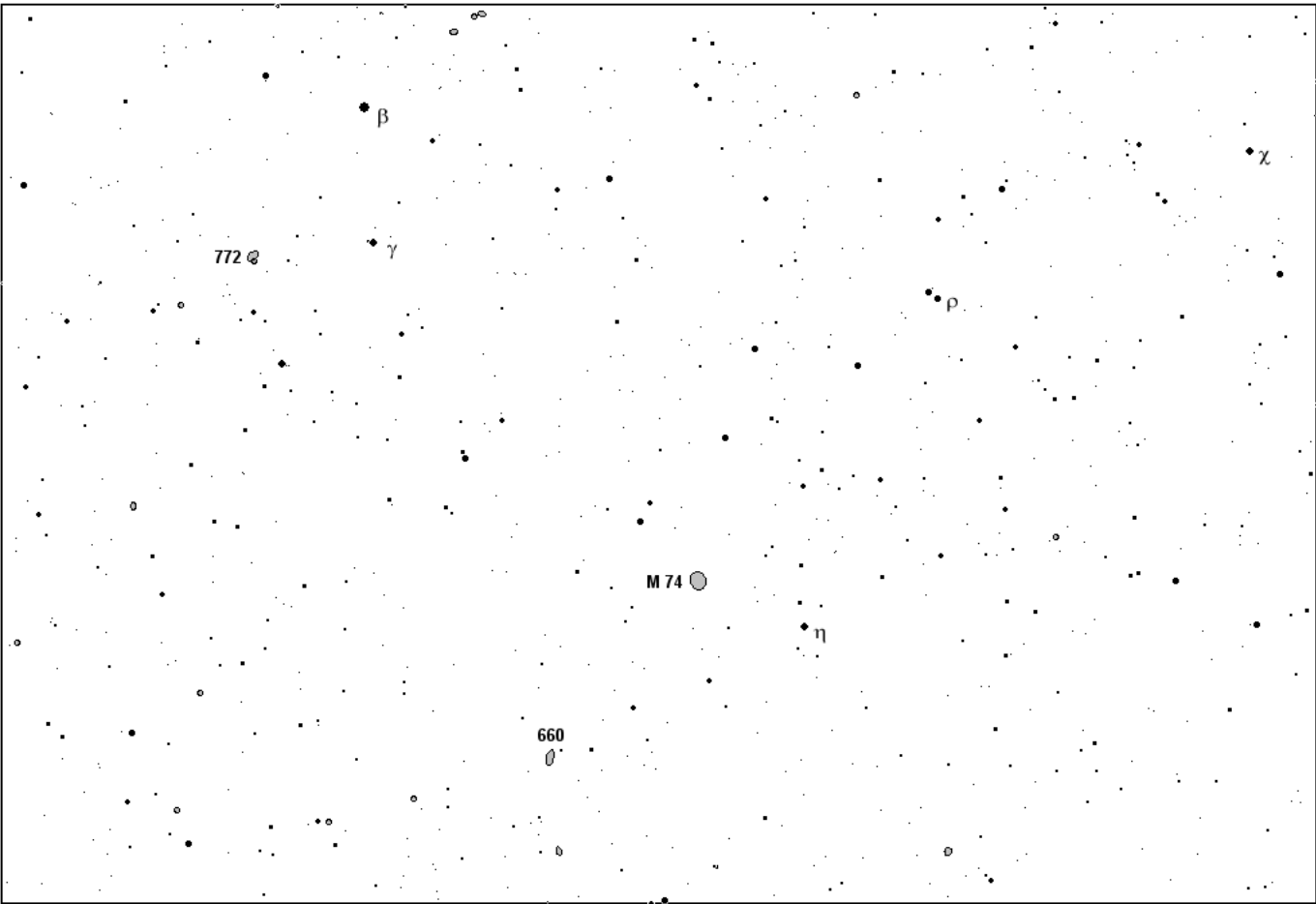


NGC 1491, 1528, 1545, 1582

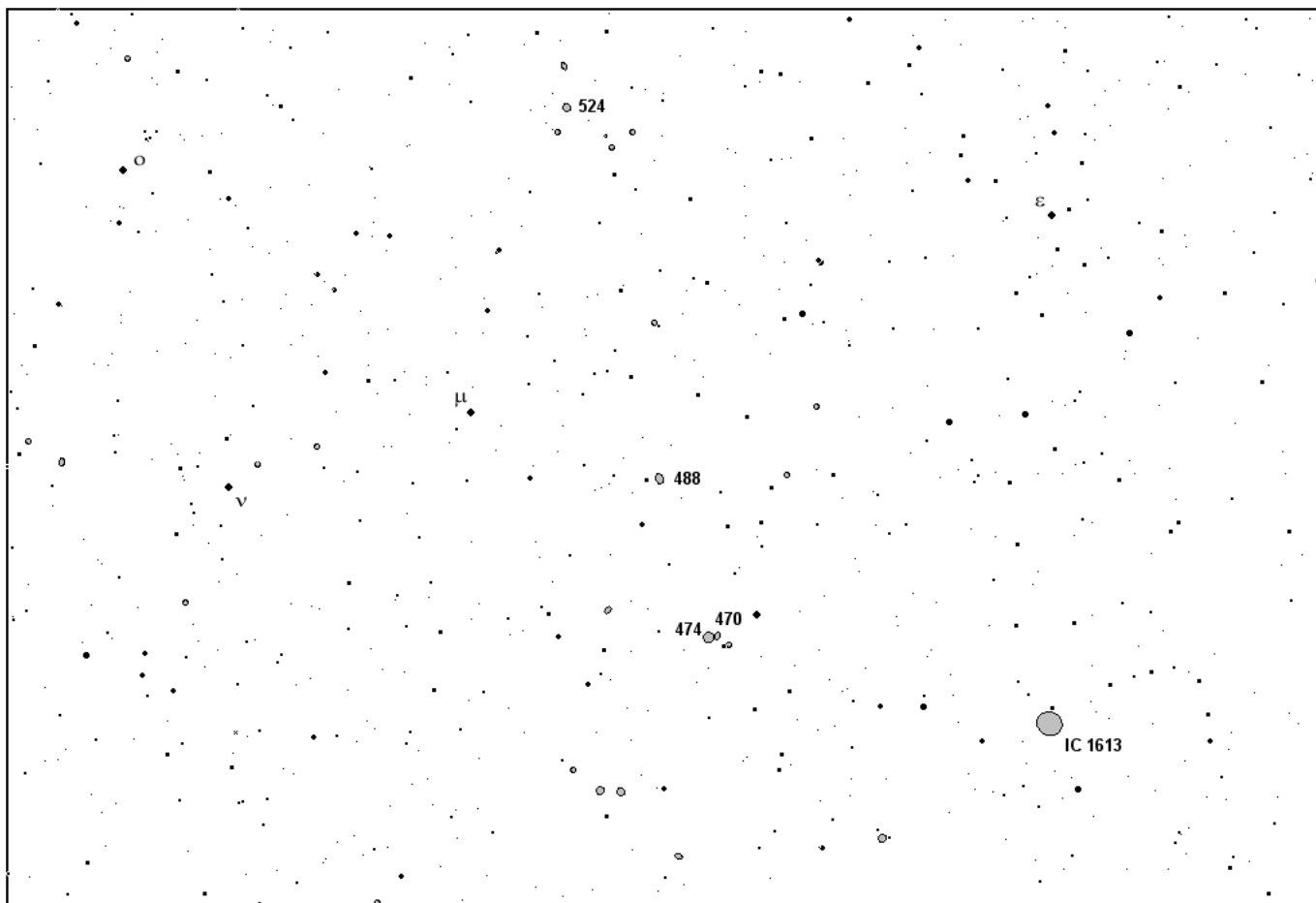
Pisces - Ryby



Deep Sky Atlas 2007

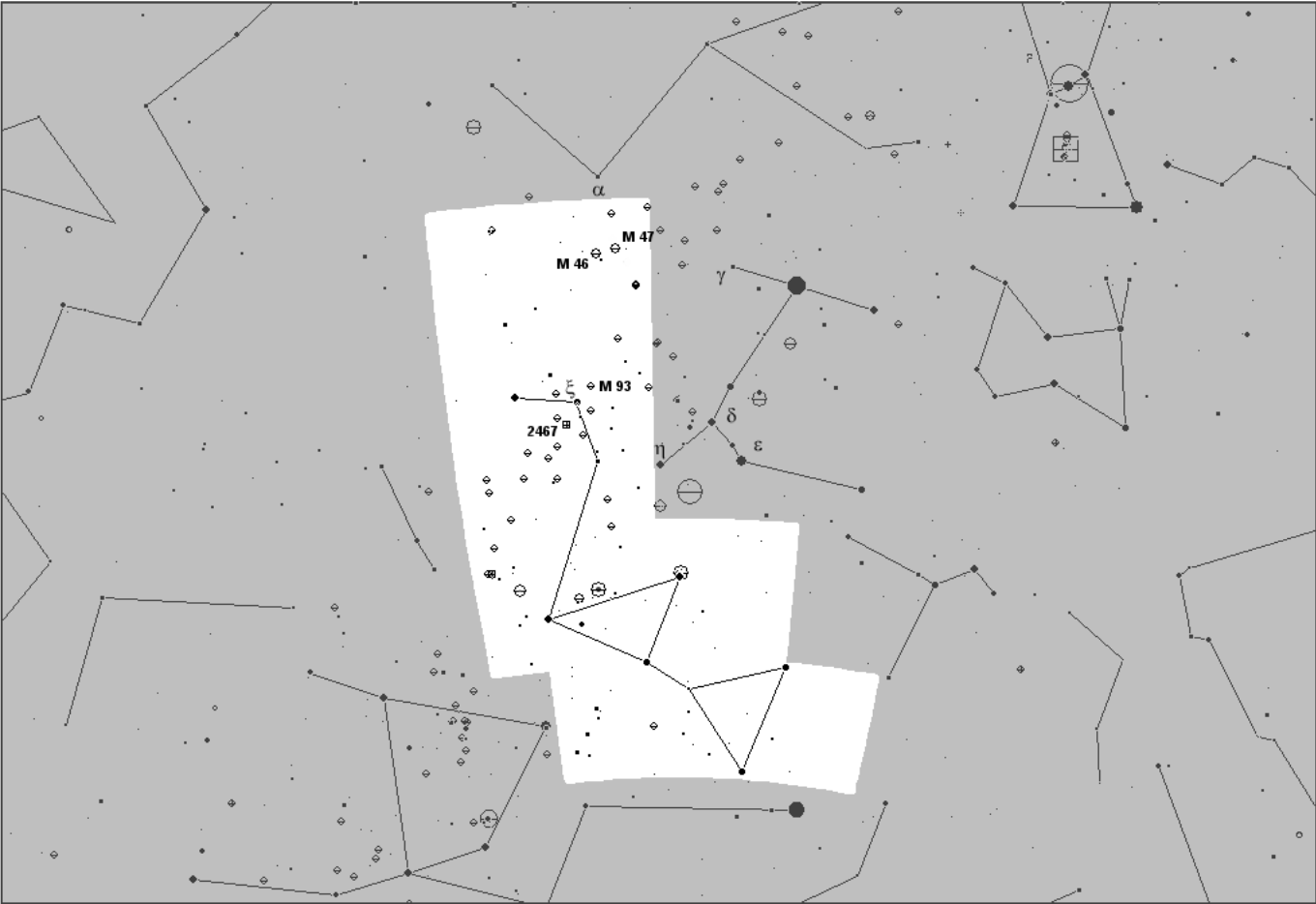


M 74 / NGC 660, 772

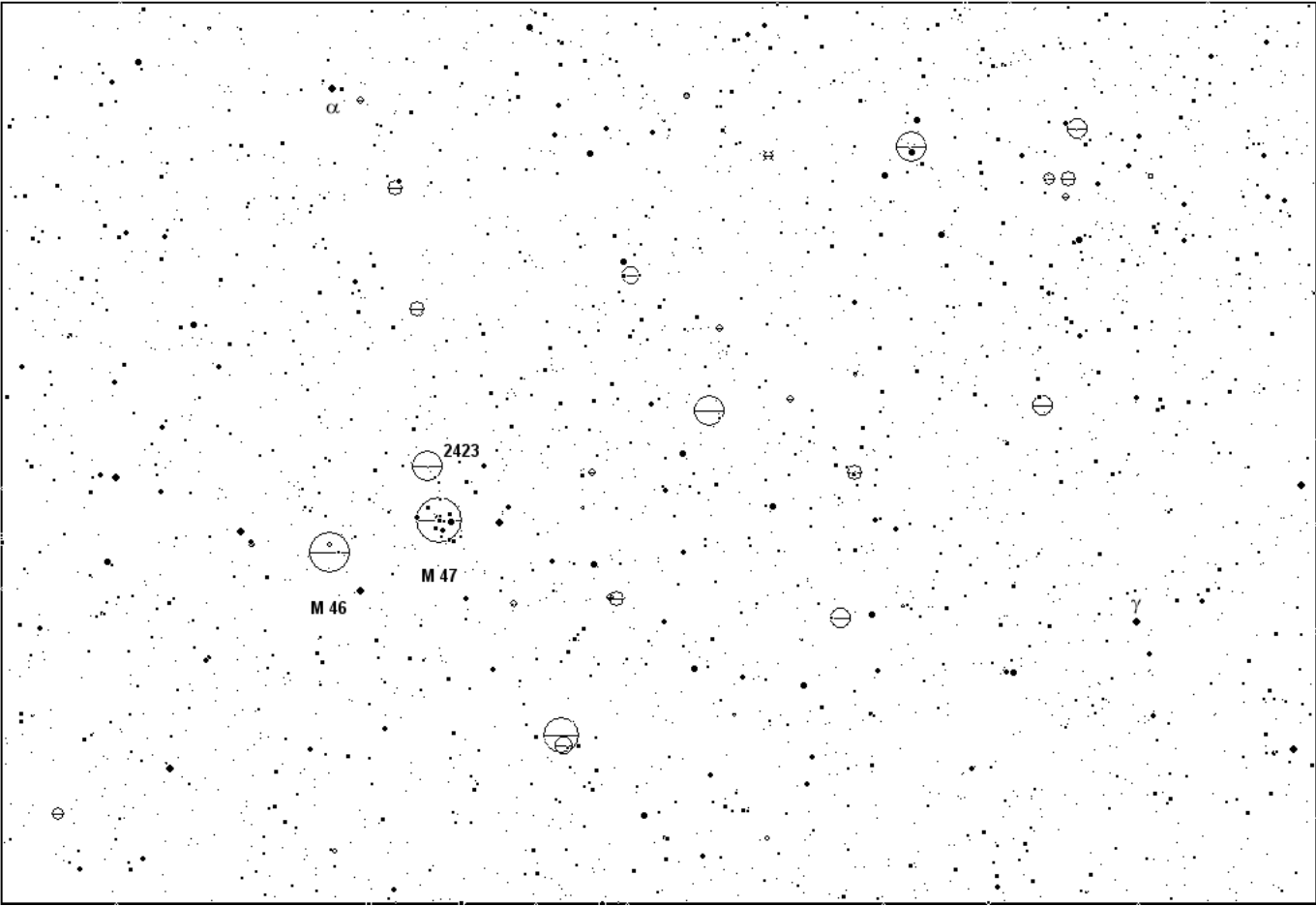


NGC 470, 474, 488, 524 / IC 1613

Puppis - Lodní zád'

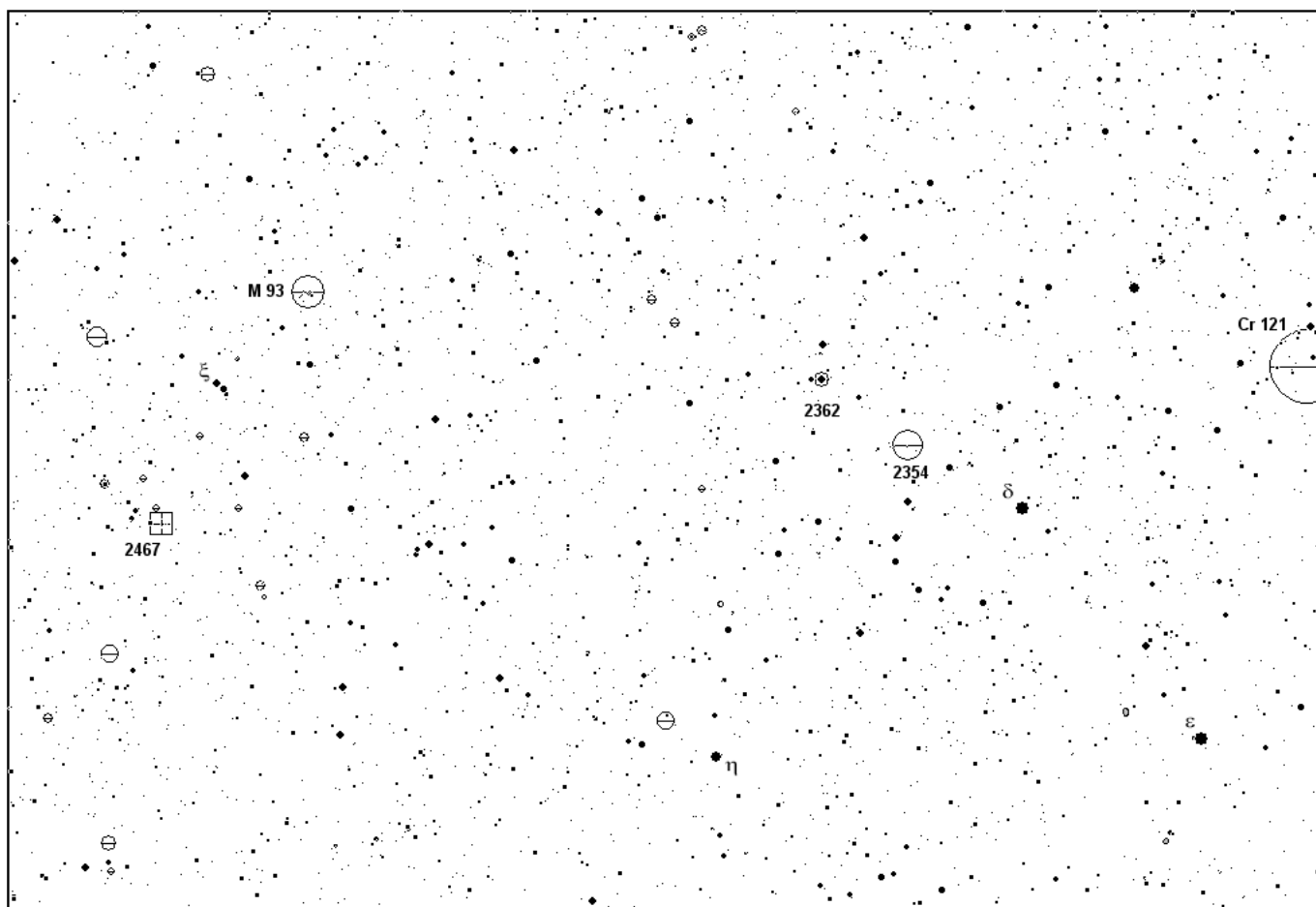


Deep Sky Atlas 2007



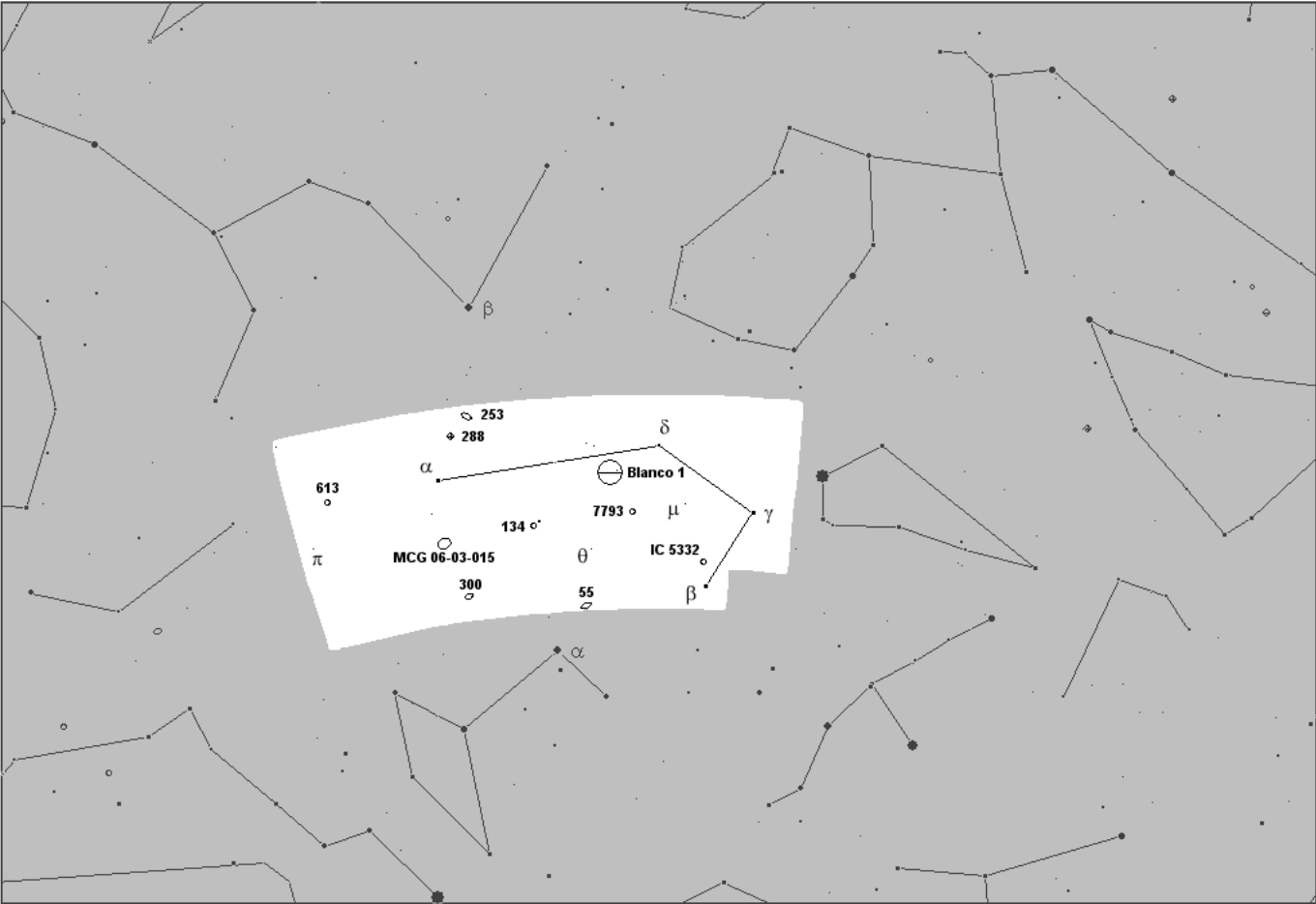
M 46, 47 / NGC 2423

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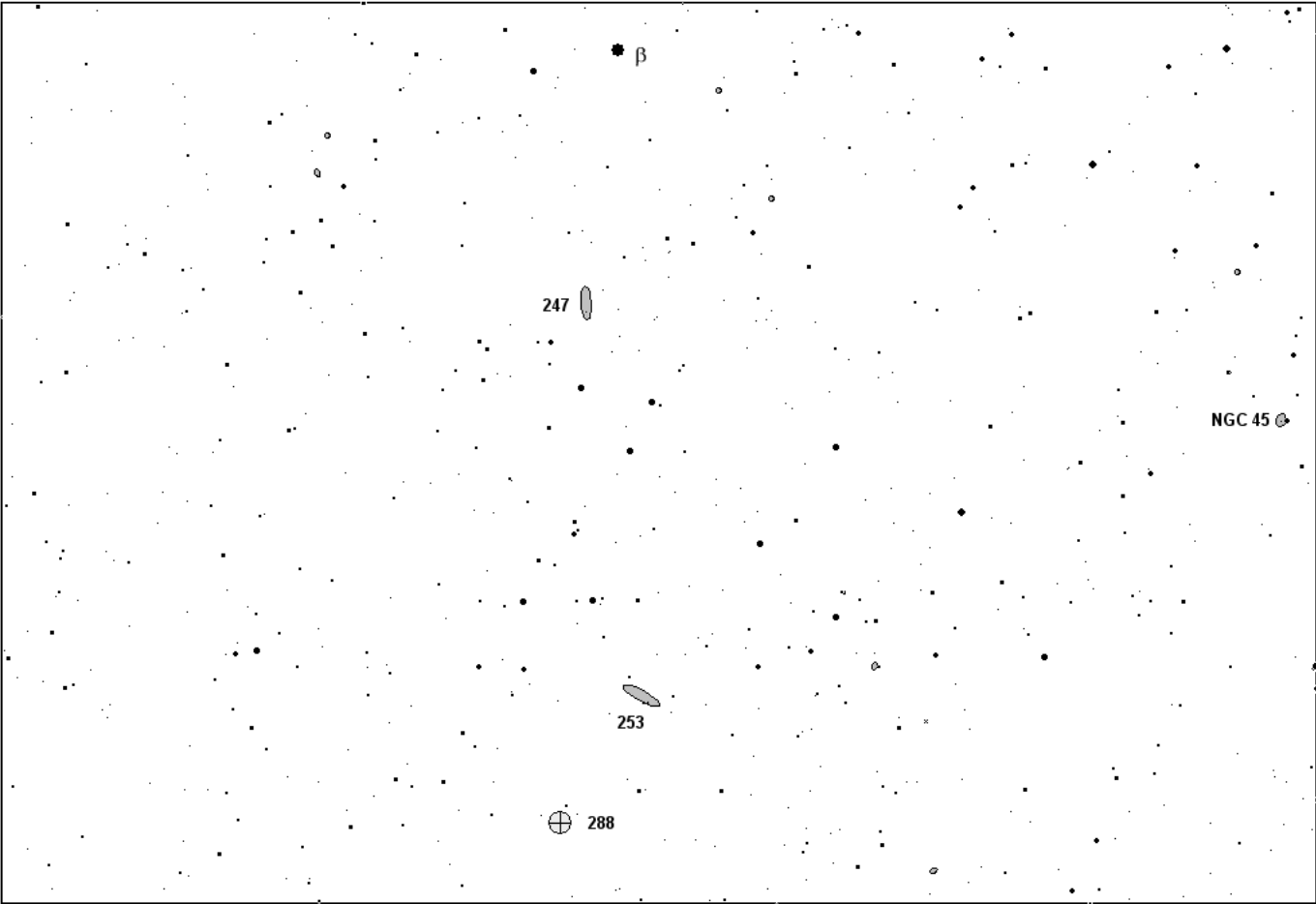


M 93 / NGC 2354, 2362, 2467 / Cr 121

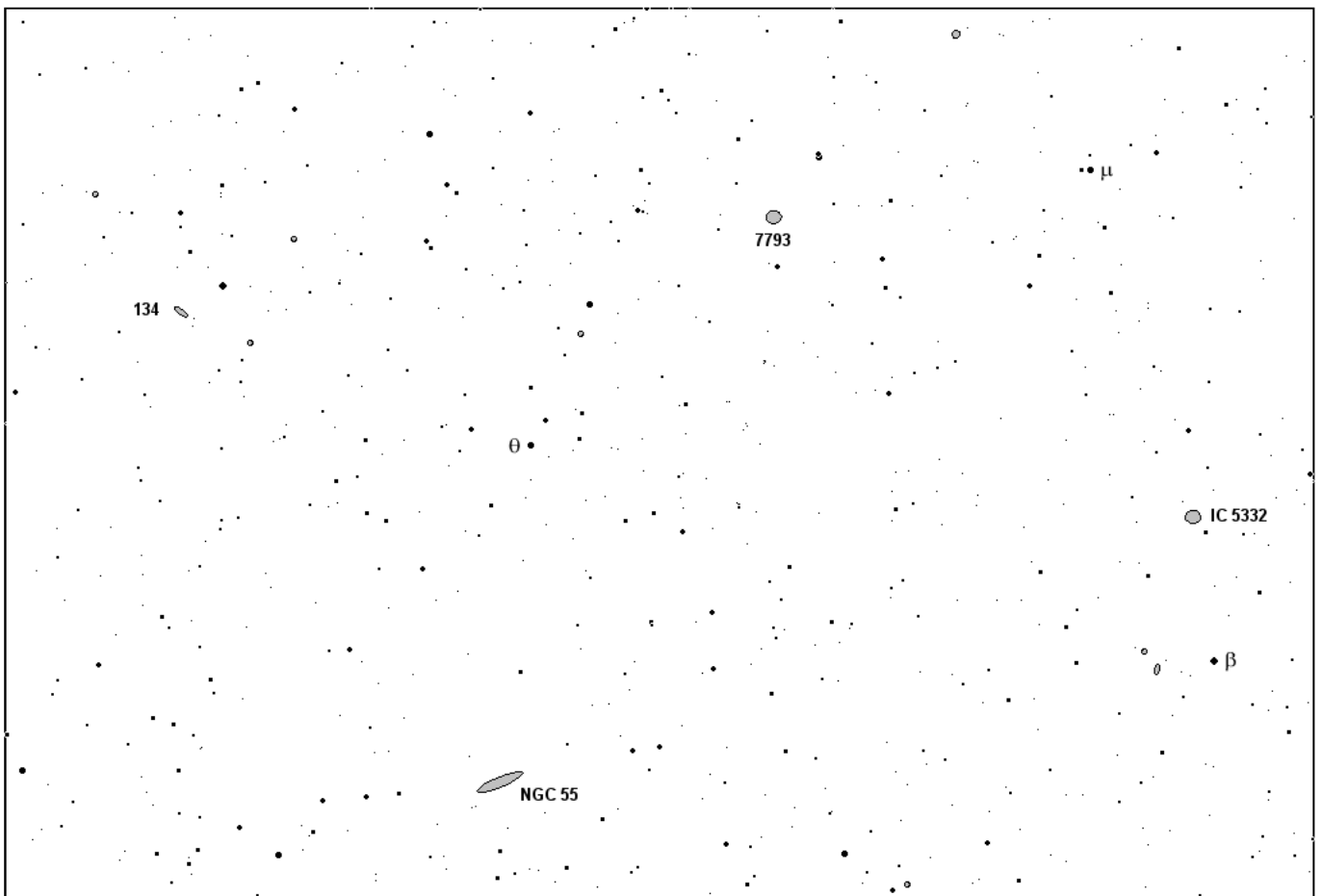
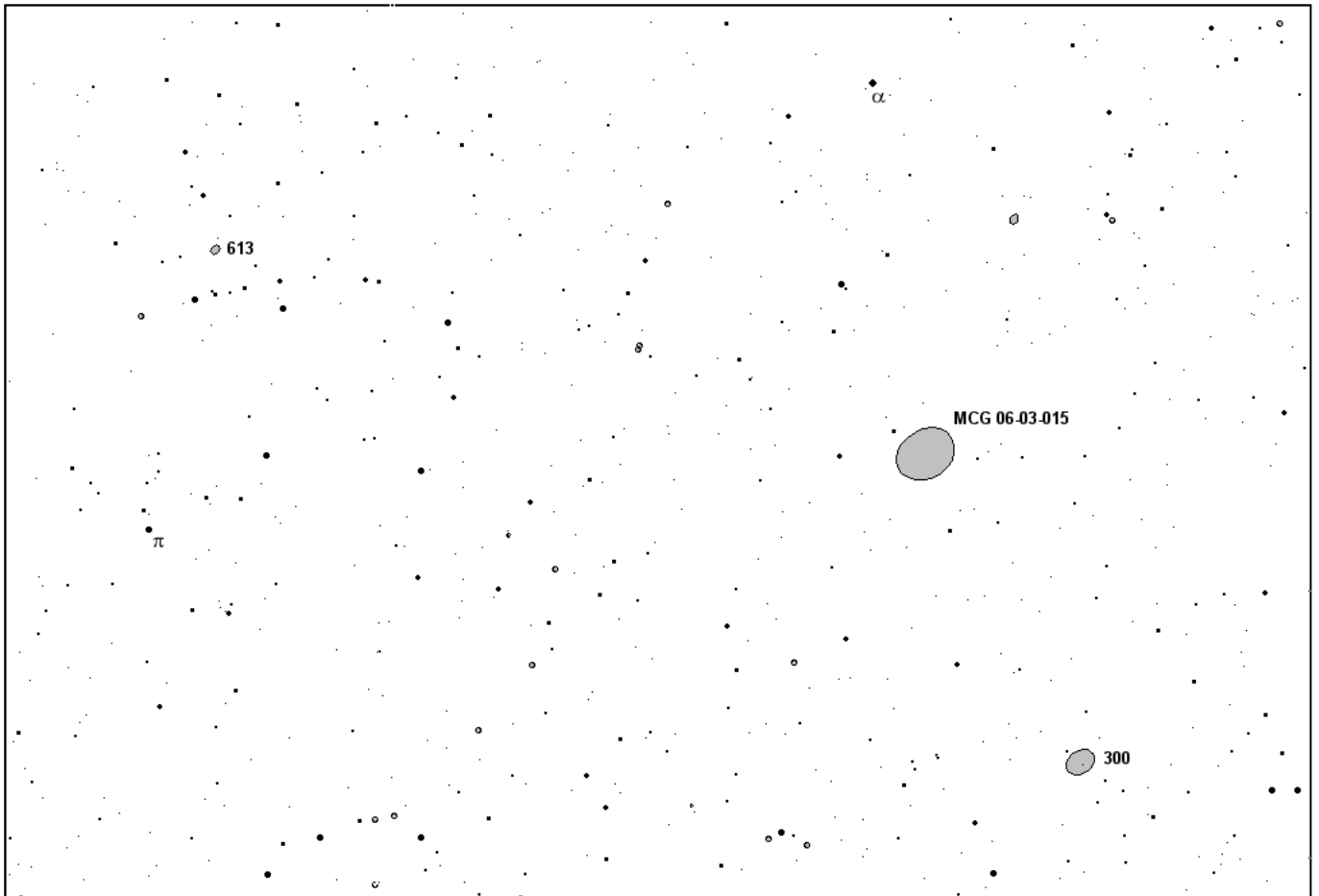
Sculptor - Sochař



Deep Sky Atlas 2007

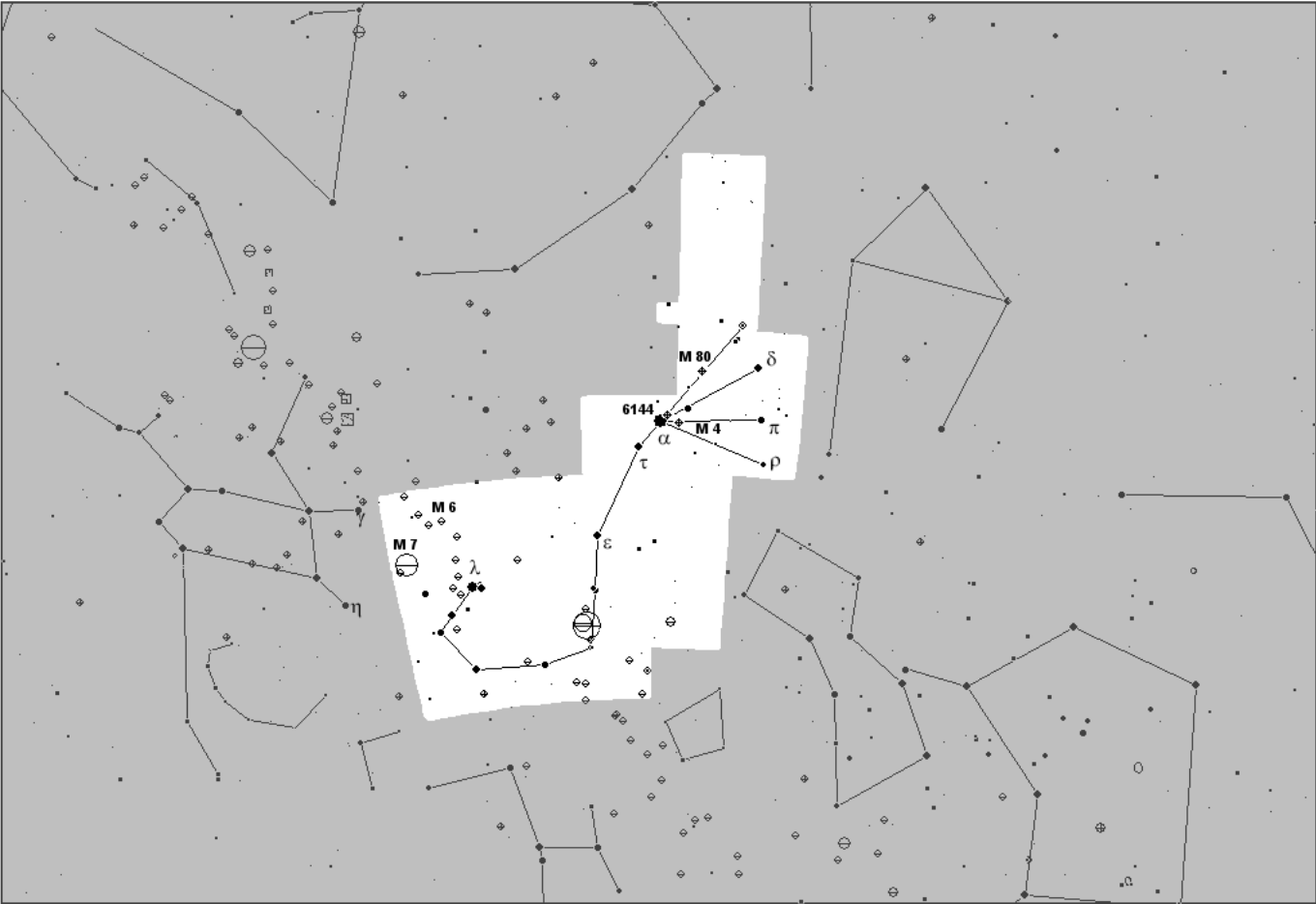


NGC 45, 247, 253, 288

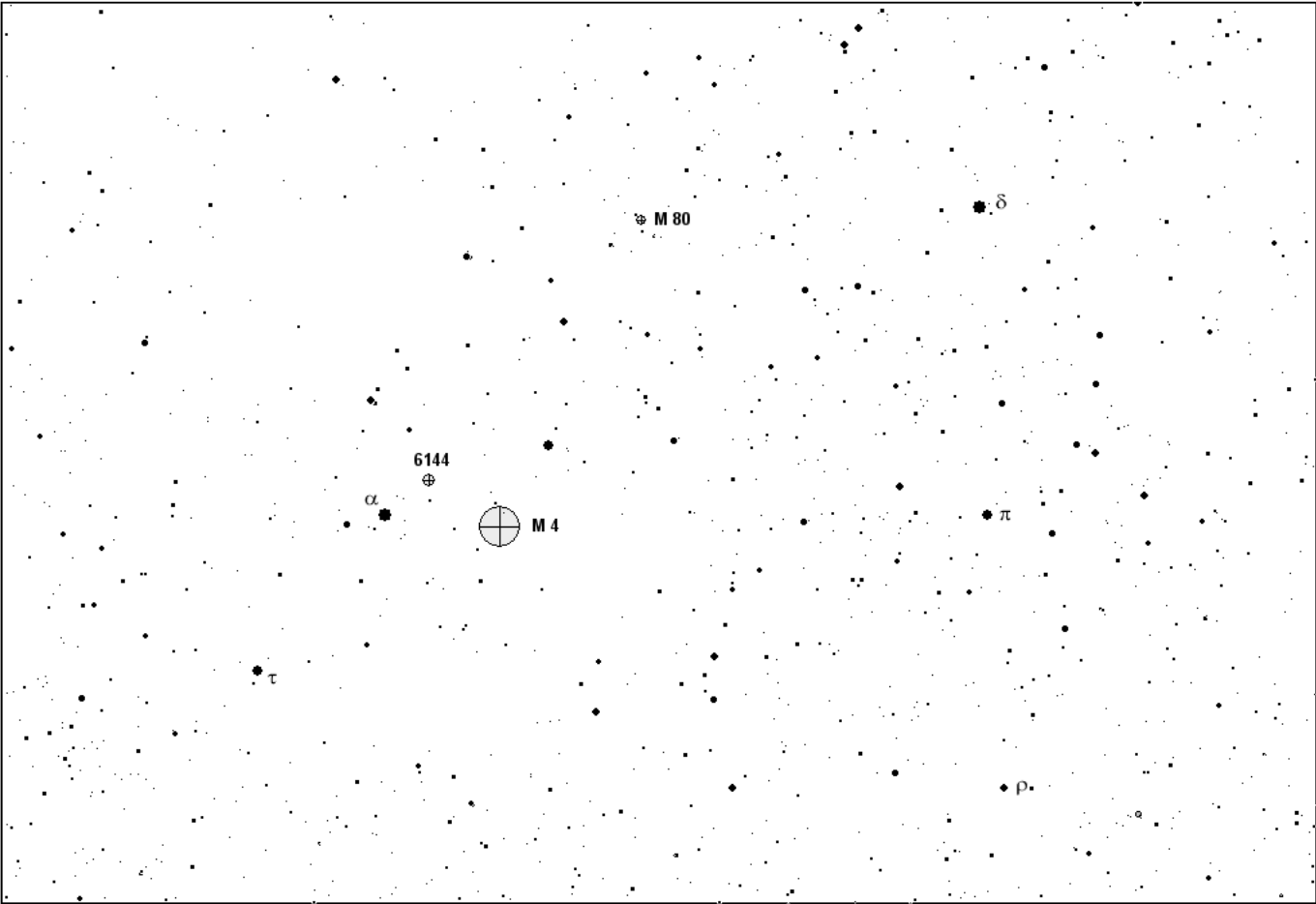


NGC 300, 613, MCG 06-03-015
NGC 55, 134, 7793 / IC 5332

Scorpius - Štír

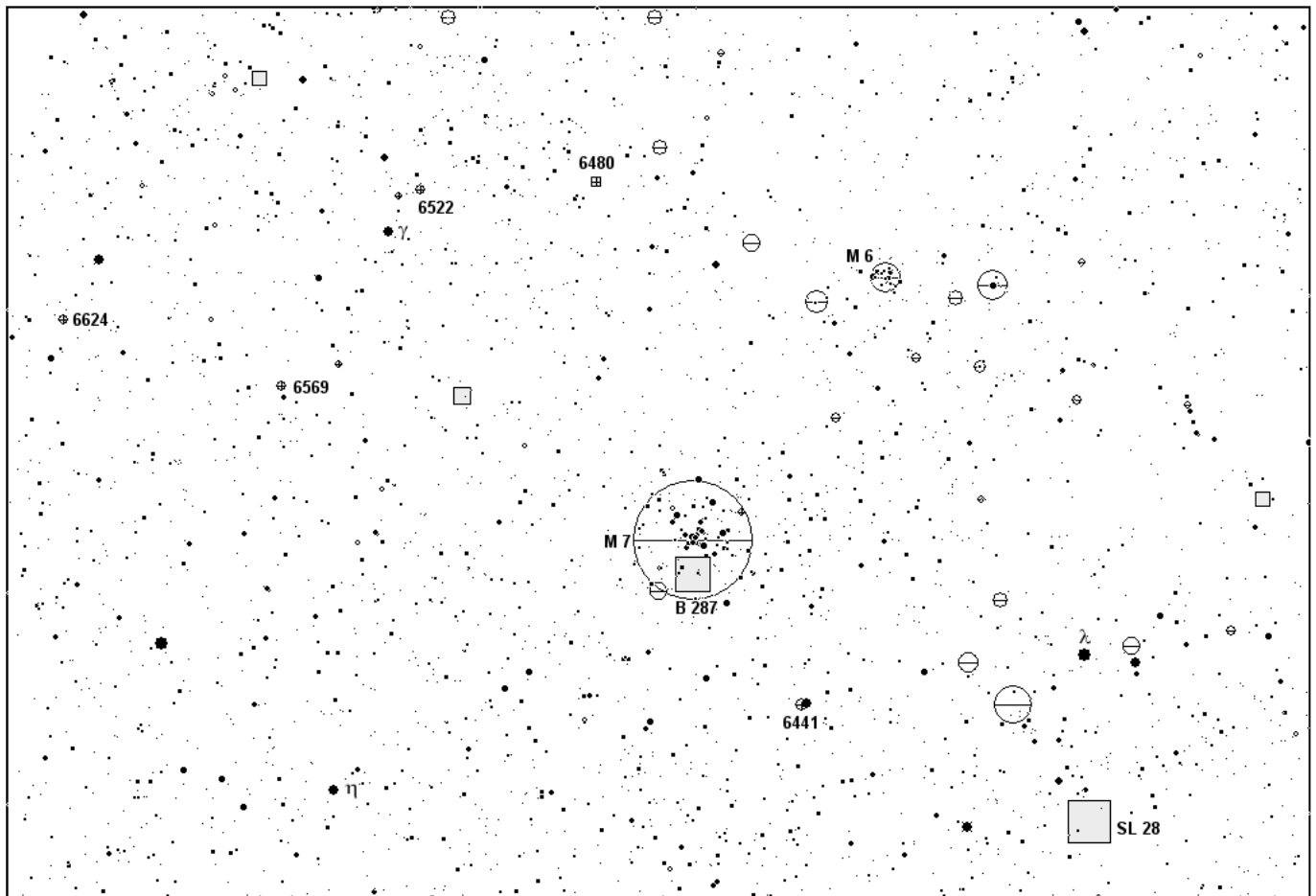


Deep Sky Atlas 2007



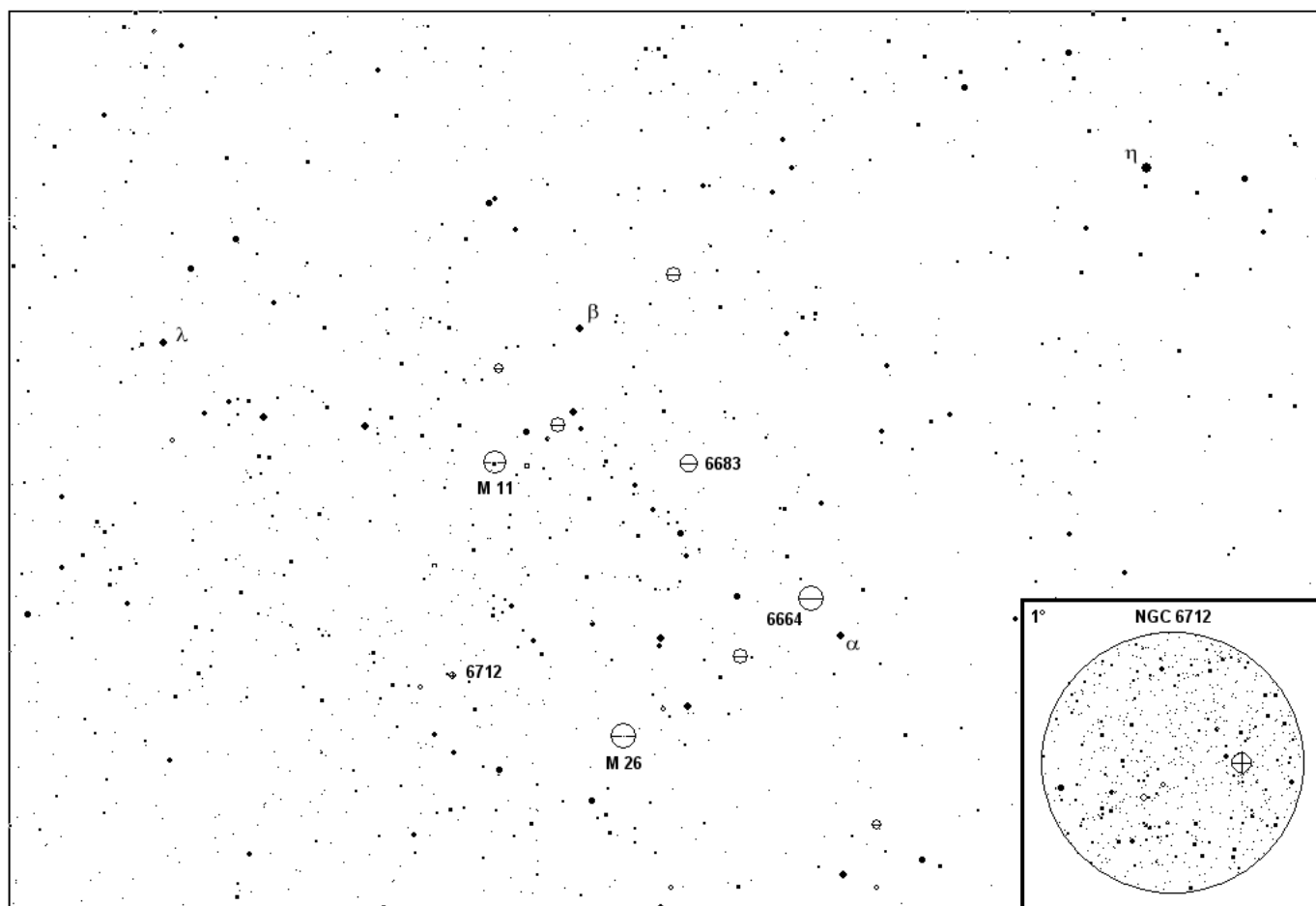
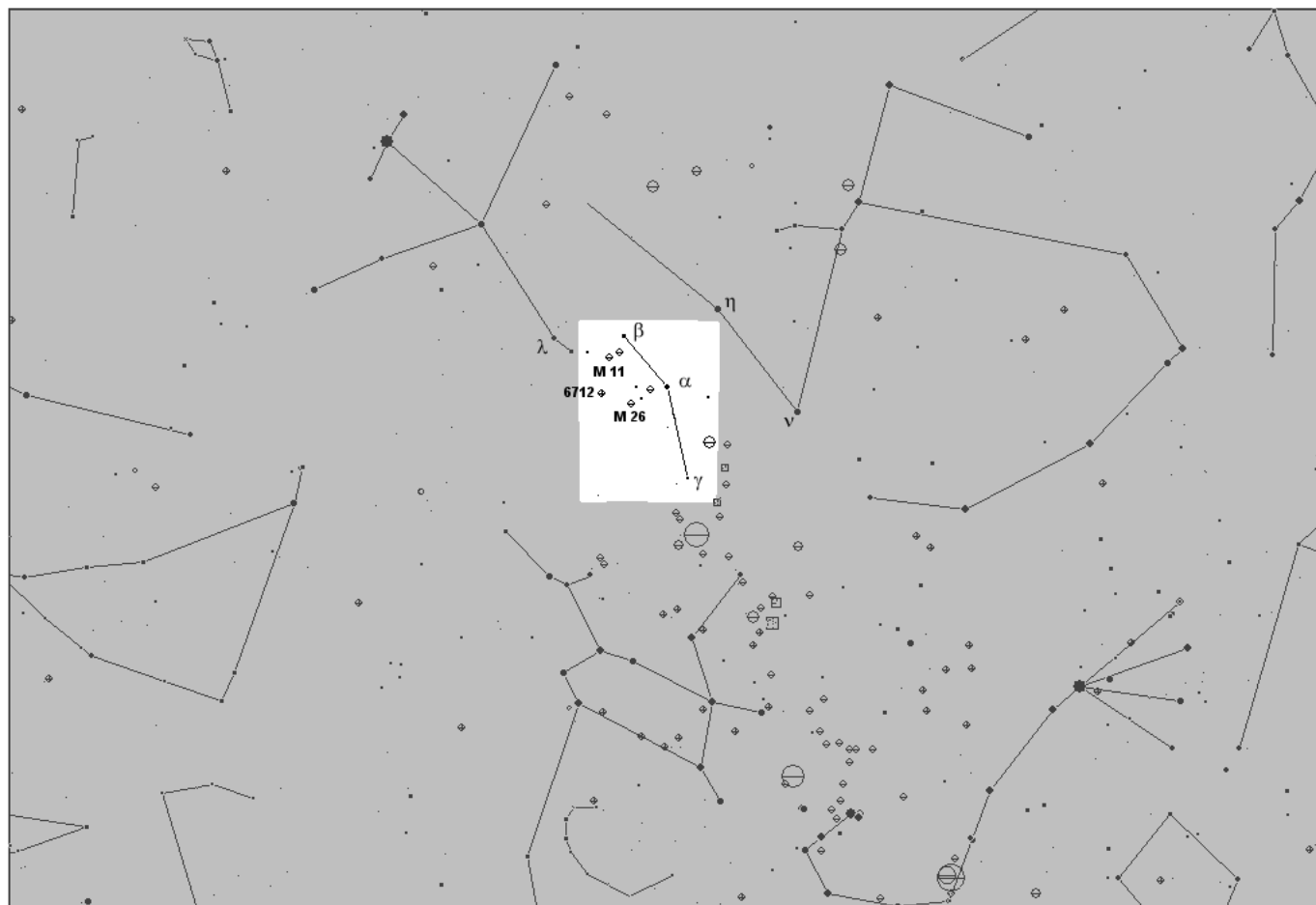
M 4, 80 / NGC 6144

Scorpius - Štír

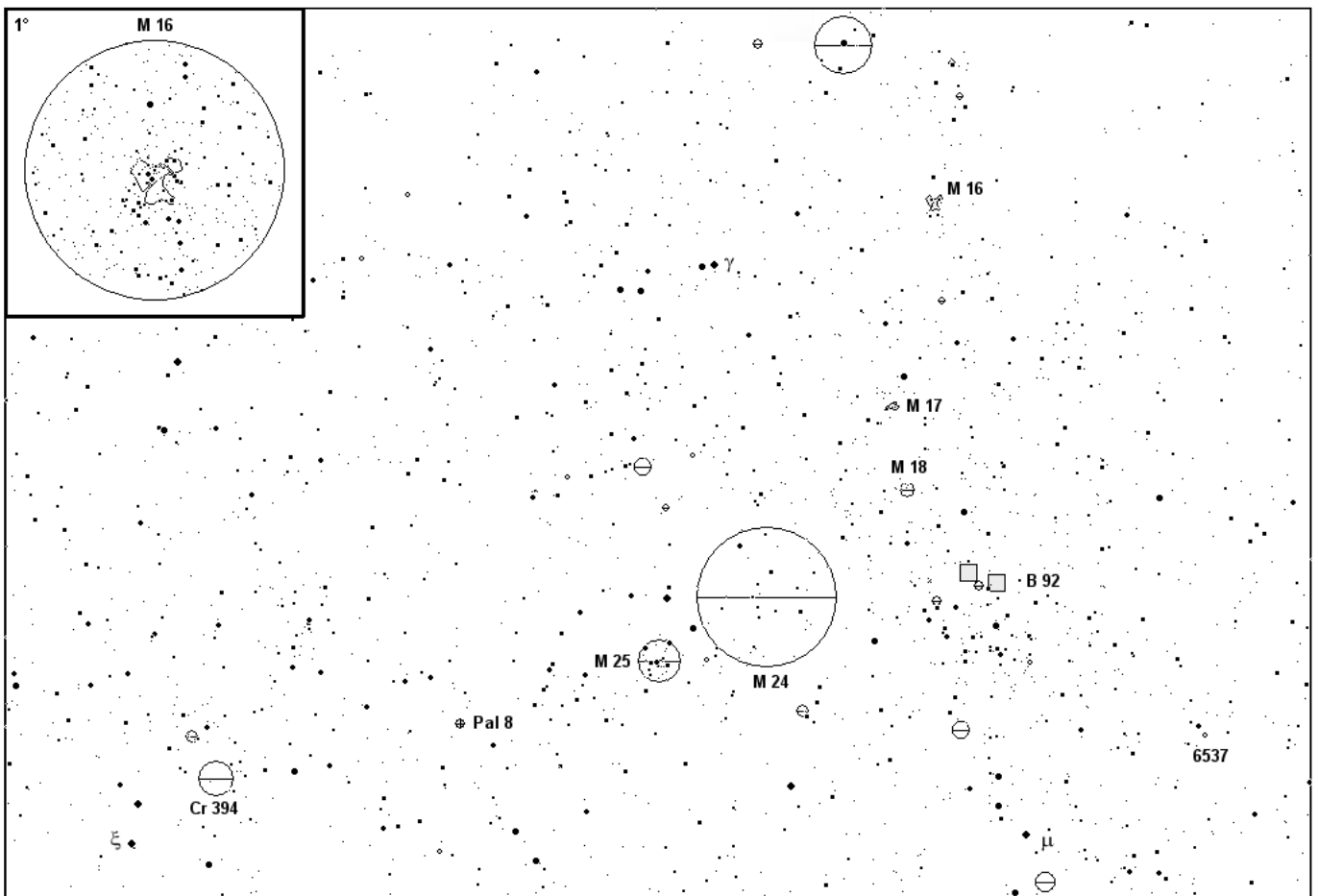
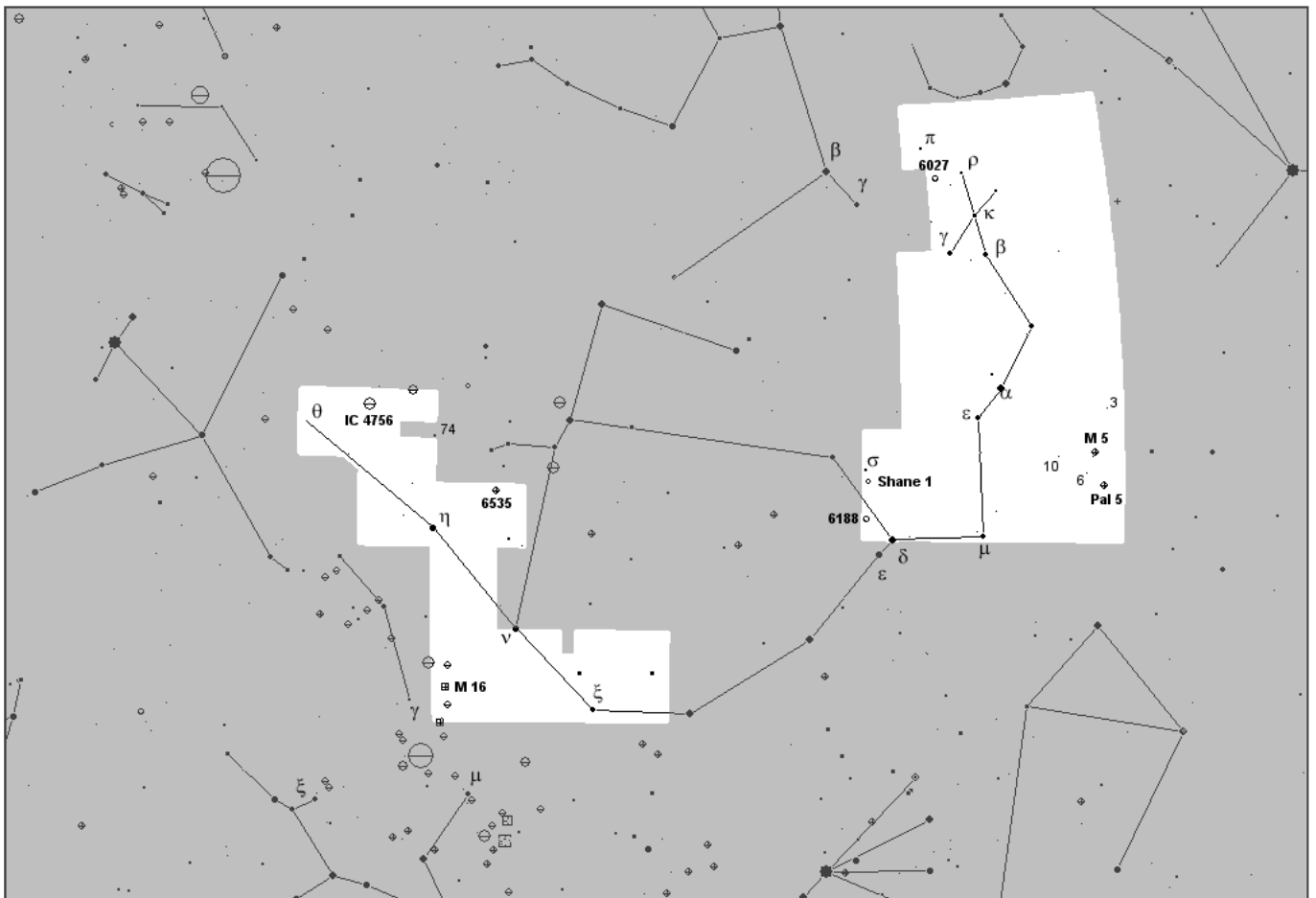


M 6, 7 / NGC 6441, 6480, 6522, 6569, 6624 / B 287 / SL 28

Deep Sky Atlas 2007



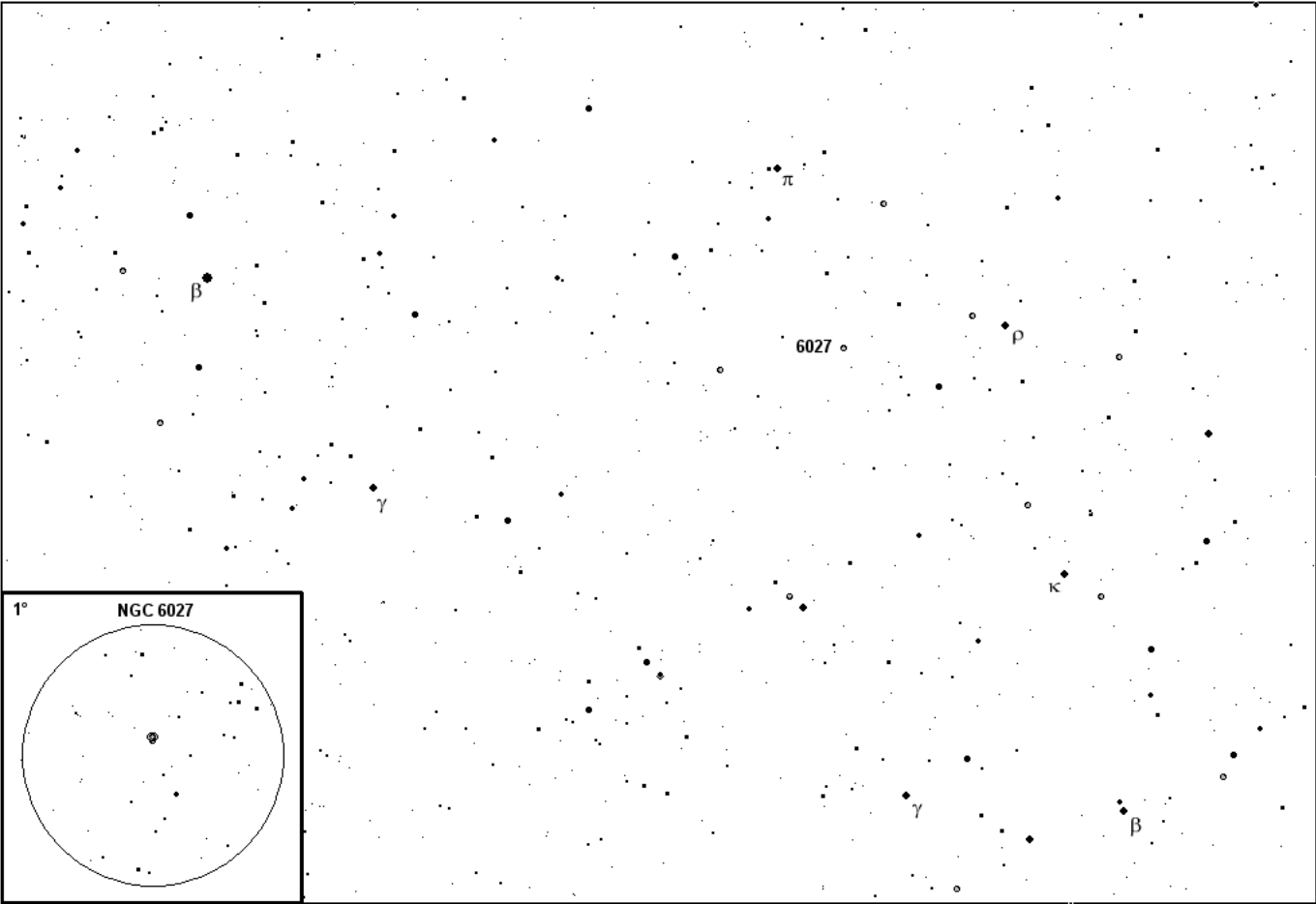
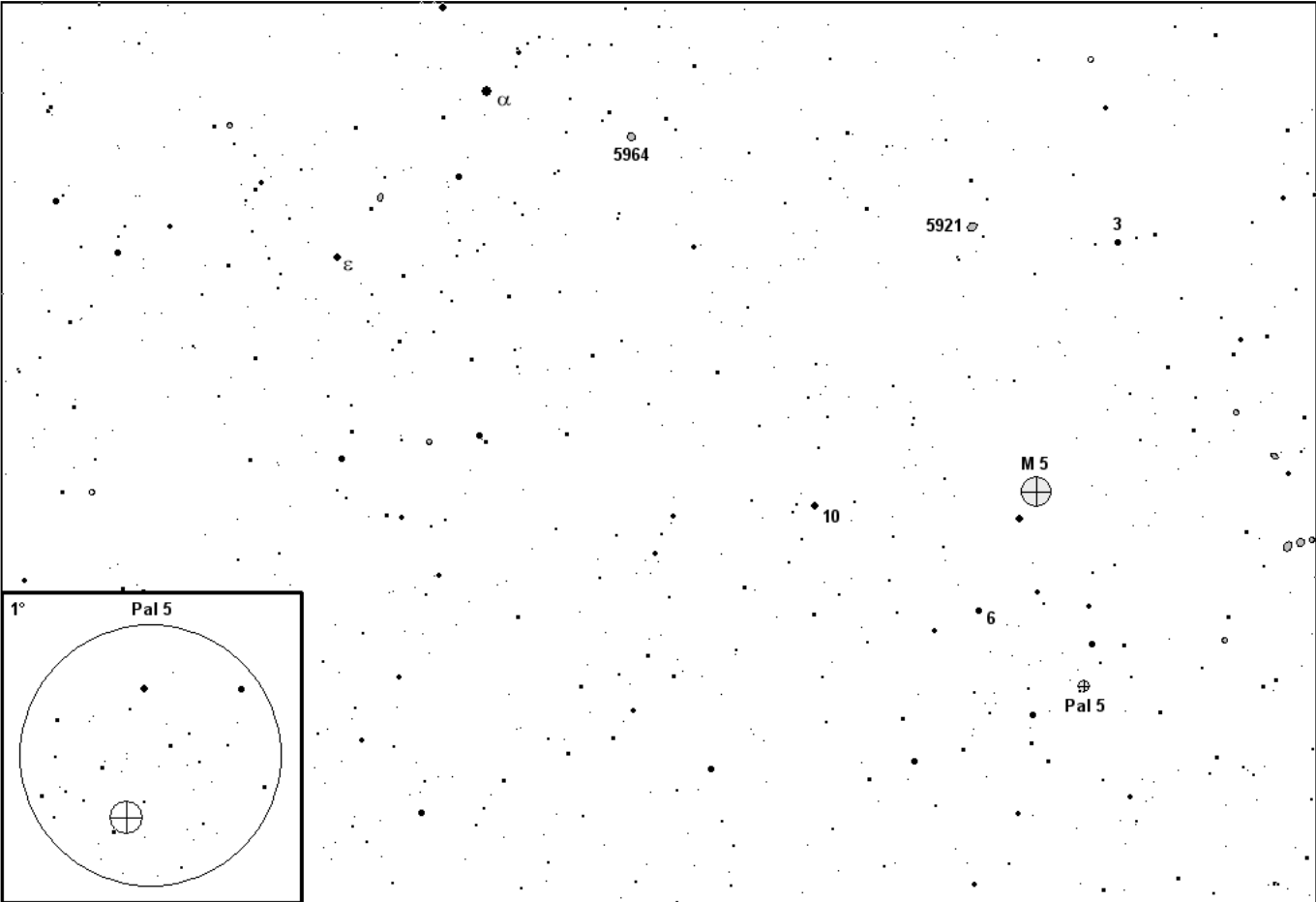
M 11, 26 / NGC 6664, 6683, 6712



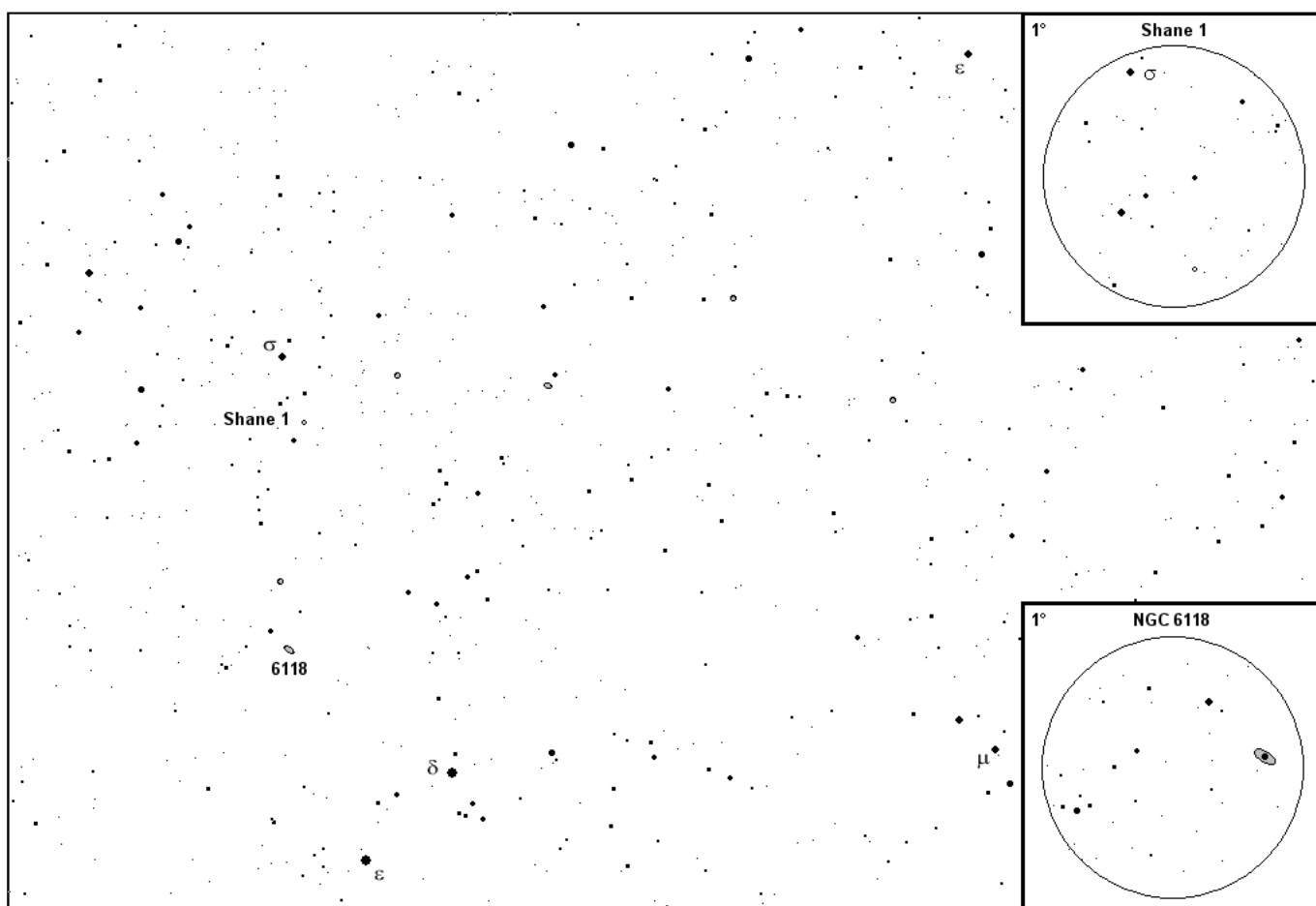
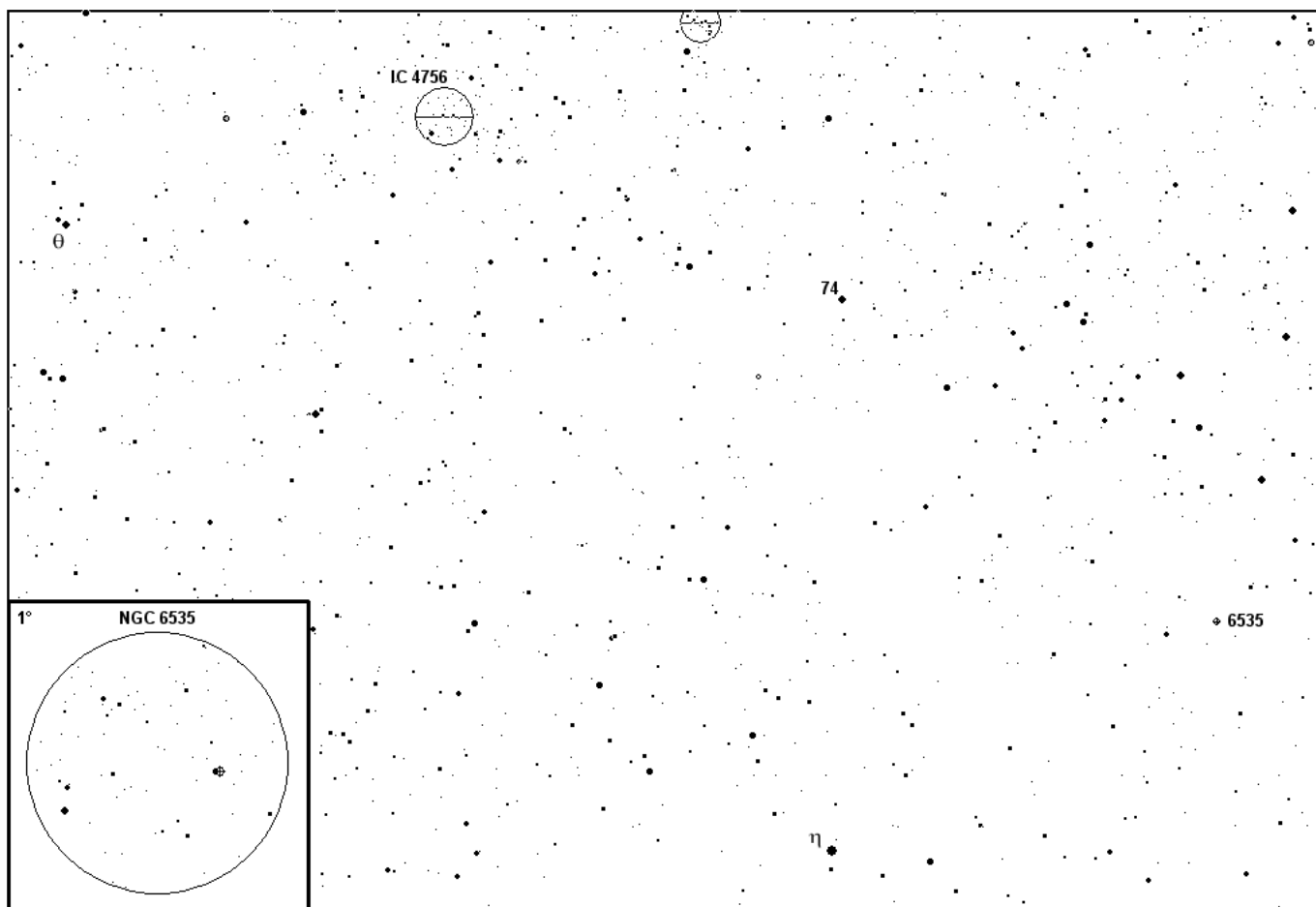
M 16, 17, 18, 24, 25 / NGC 6537 / Cr 394 / B 92 / Pal 8

Serpens - Had

Deep Sky Atlas 2007

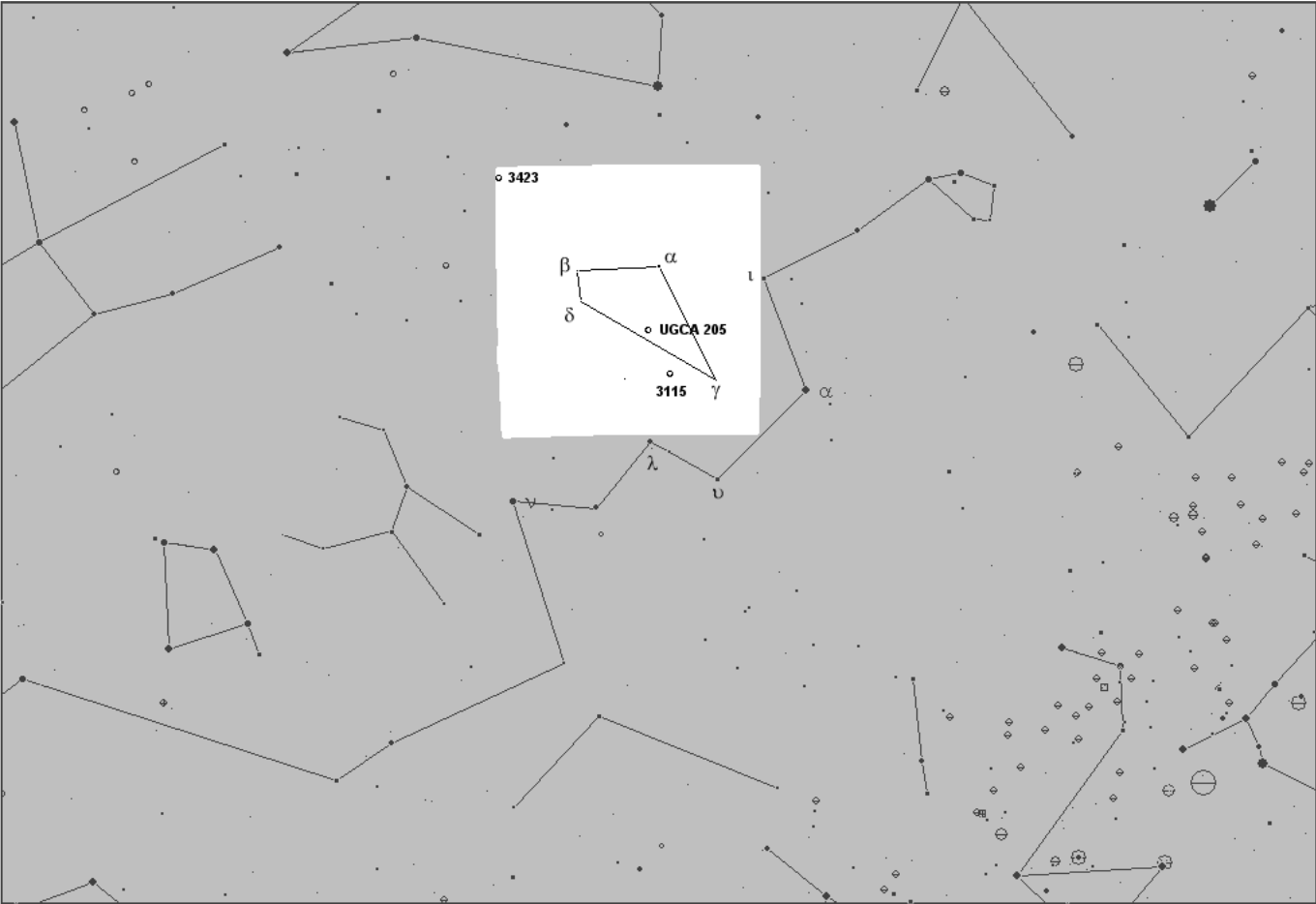


M 5 / NGC 5921, 5964 / Pal 5
NGC 6027

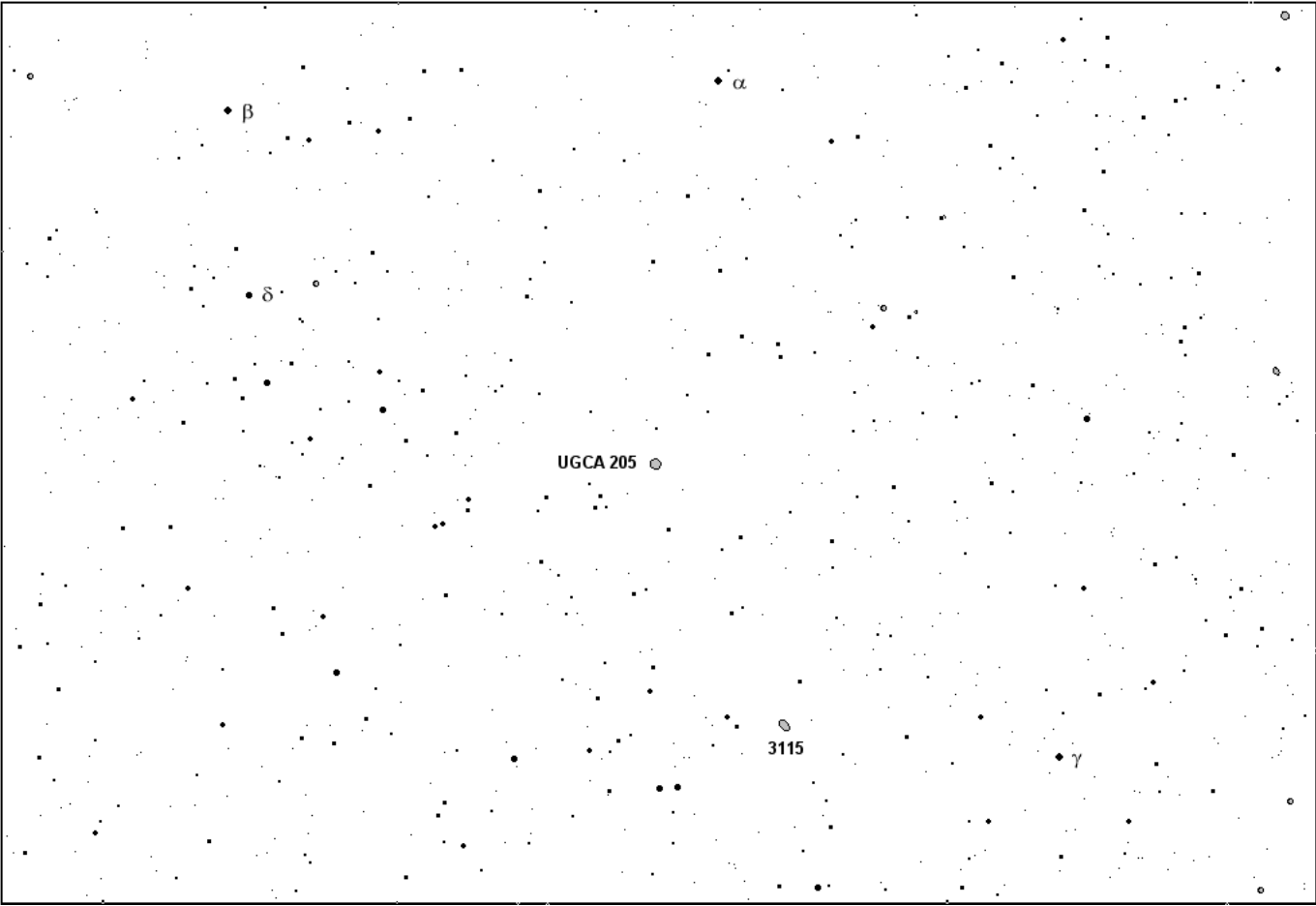


NGC 6535 / IC 4756
NGC 6118 / Shane 1

Sextans - Sextant



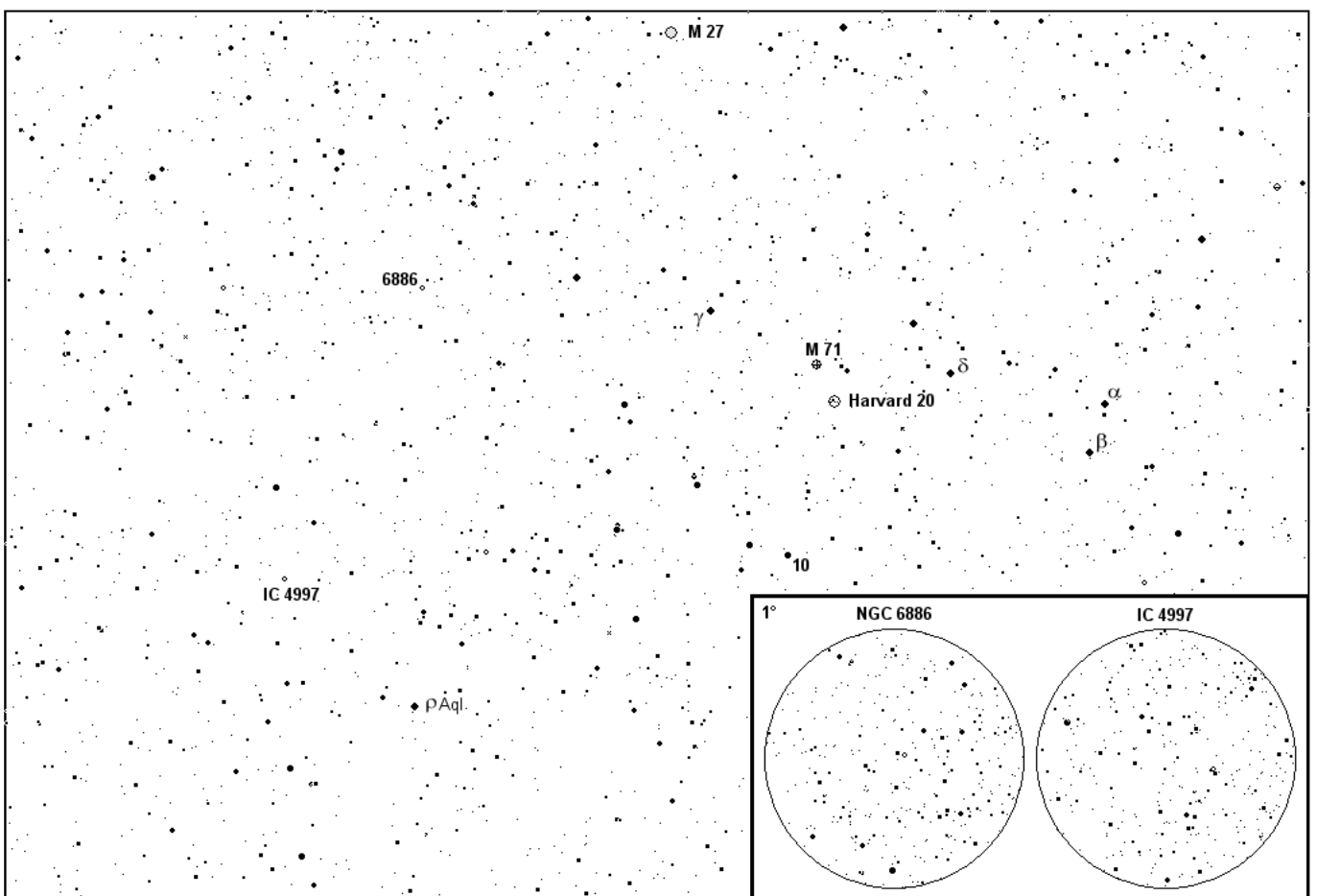
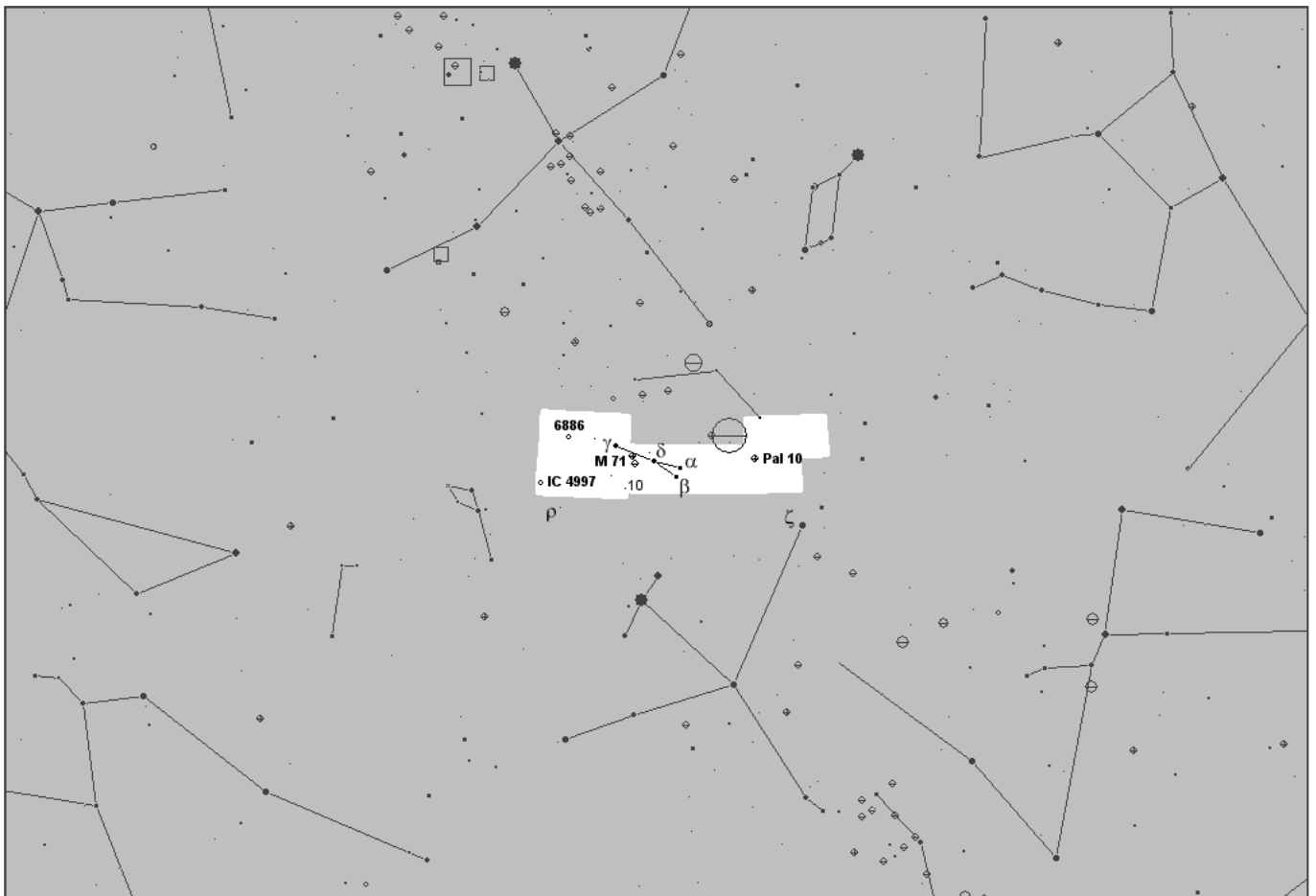
Deep Sky Atlas 2007



NGC 3115 / UGCA 205

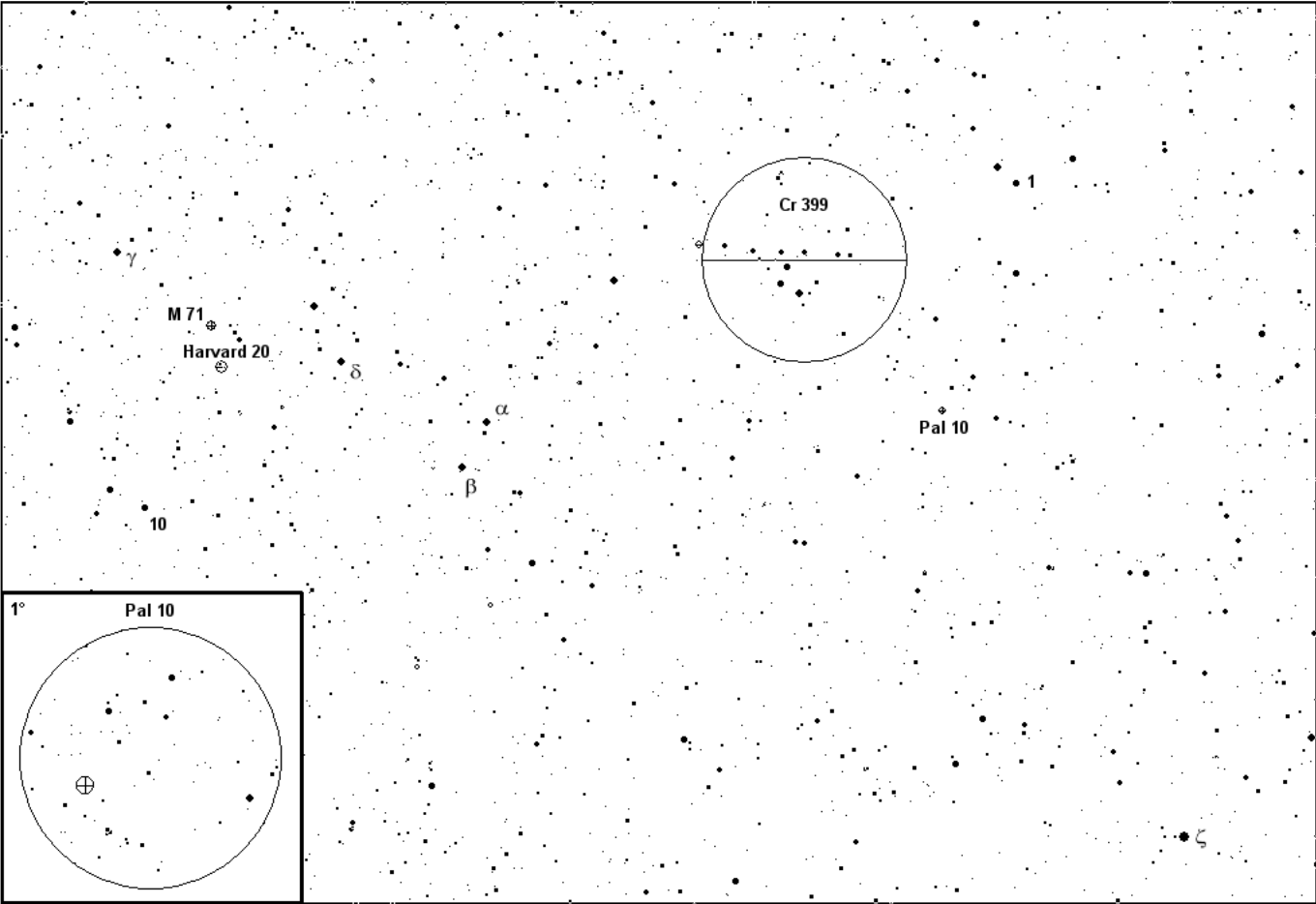
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Sagitta - Šíp

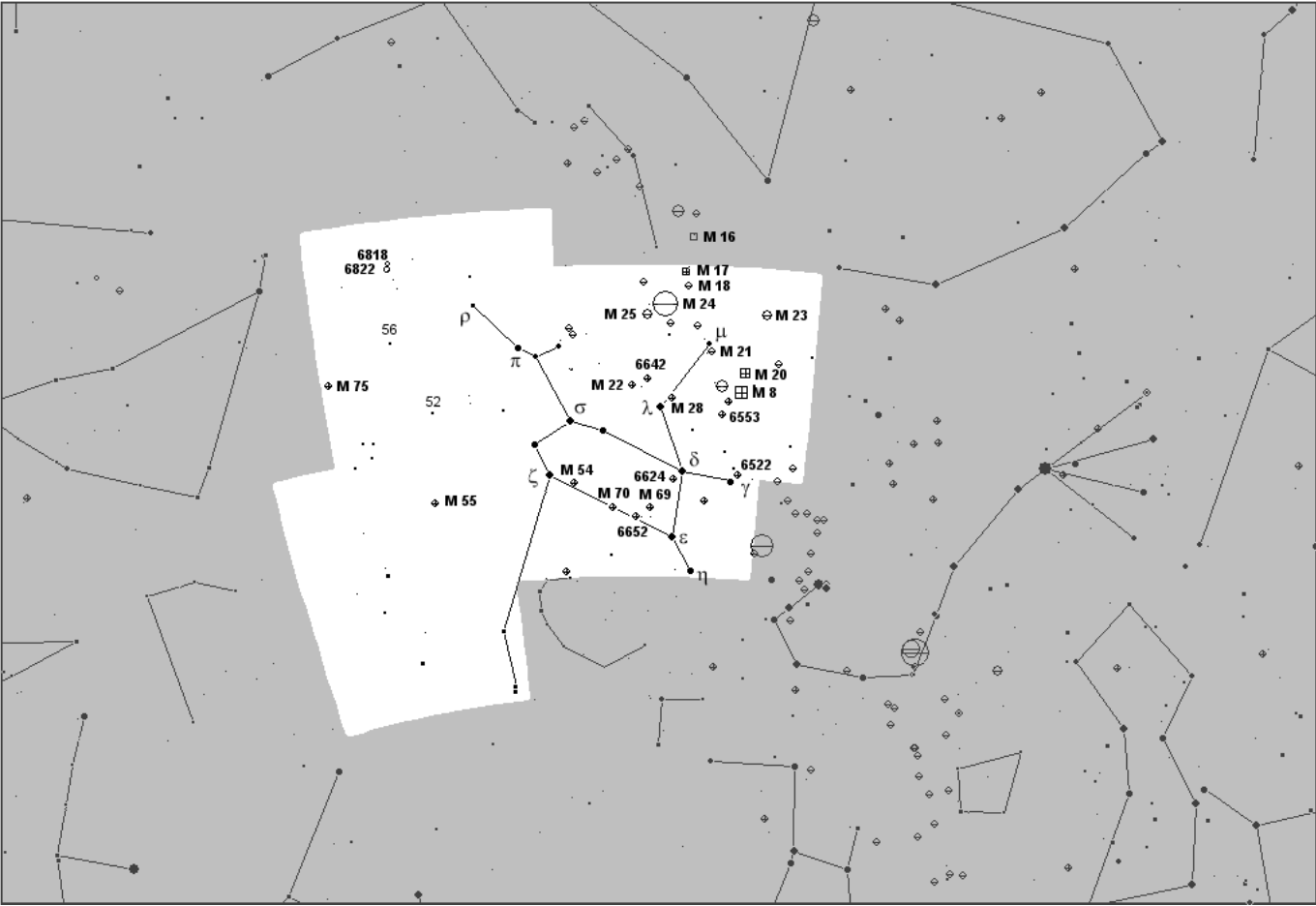


M 27, 71 / NGC 6886 / IC 4997 / Harvard 20

Sagitta - Šíp / Sagittarius - Střelec

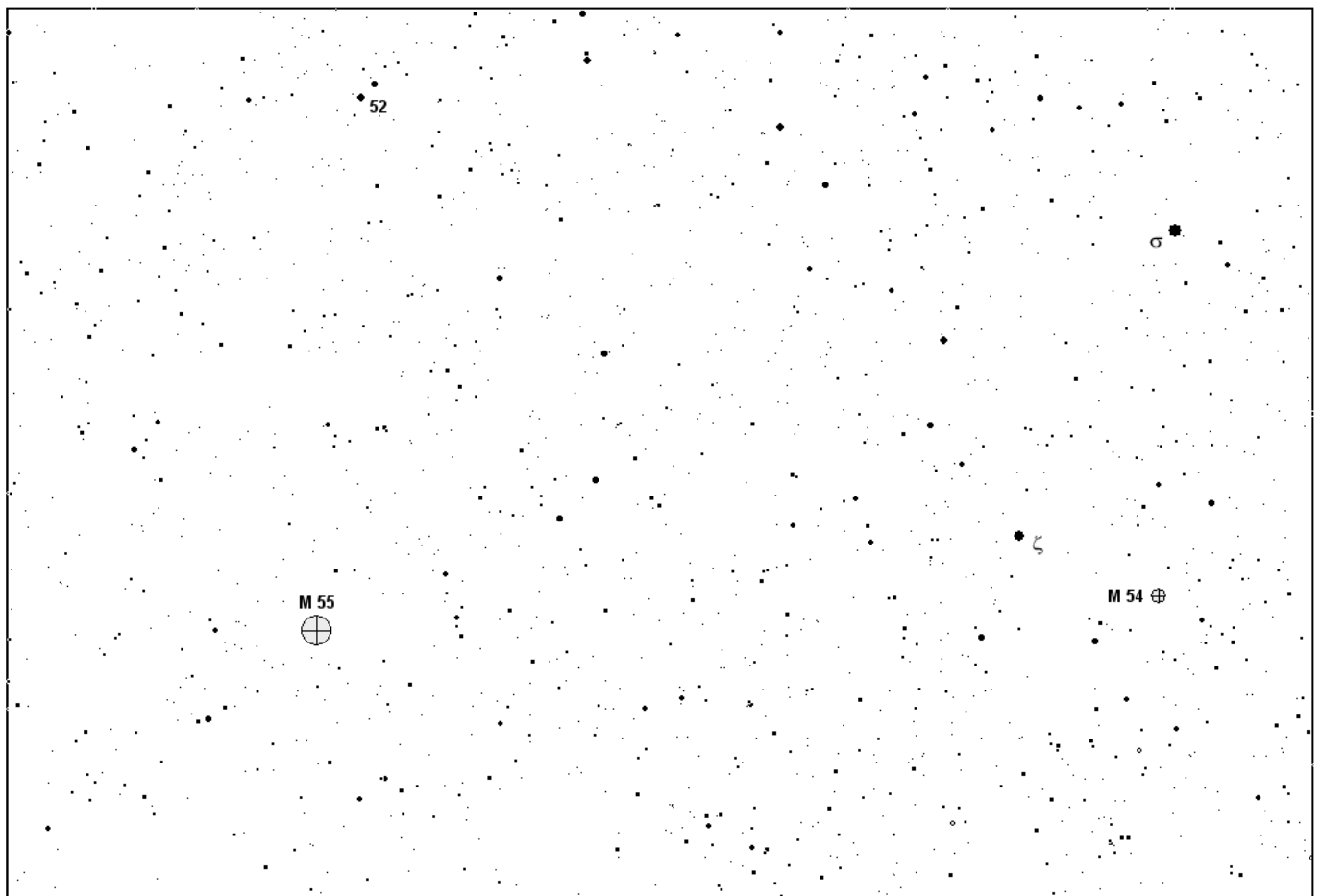
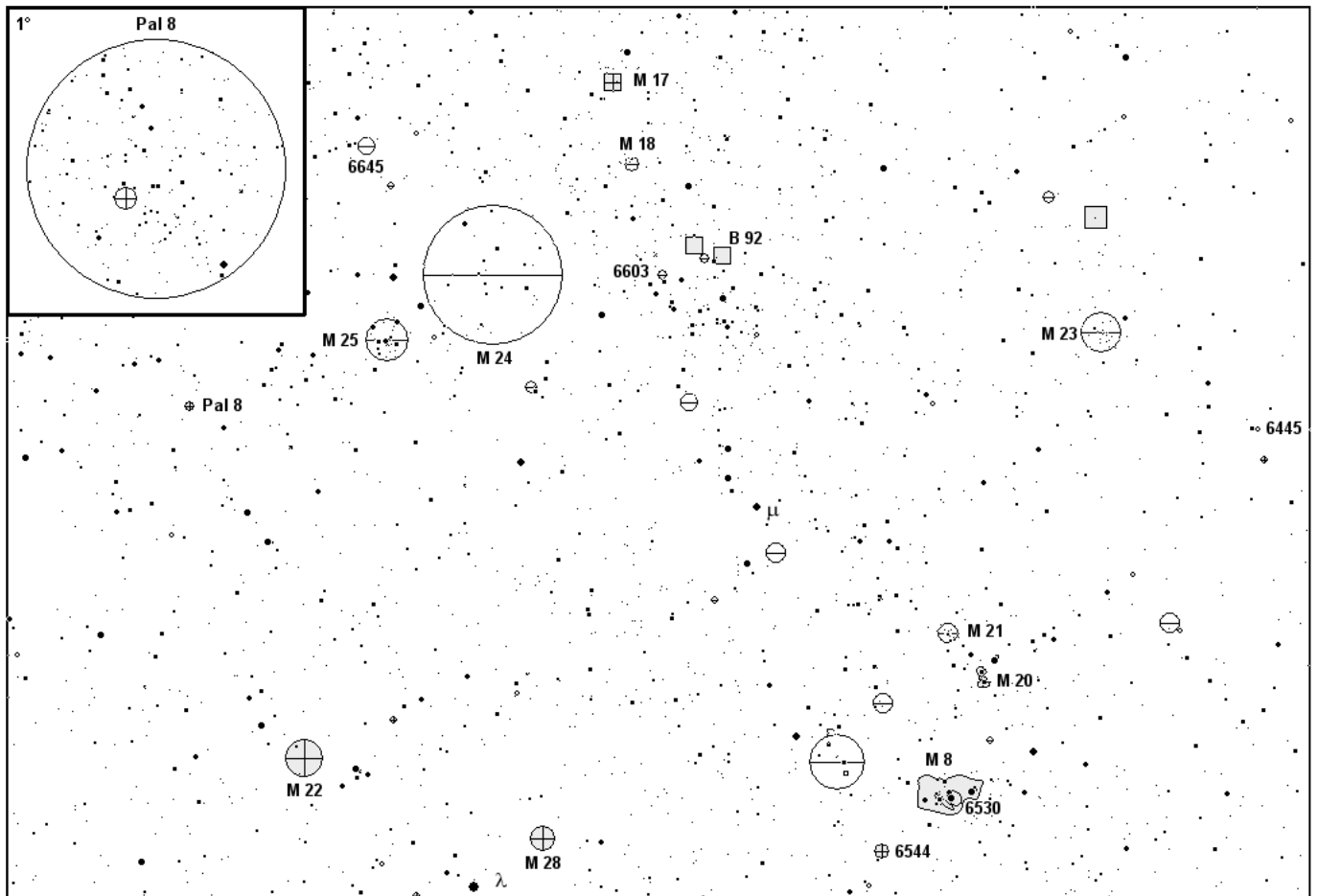


Deep Sky Atlas 2007



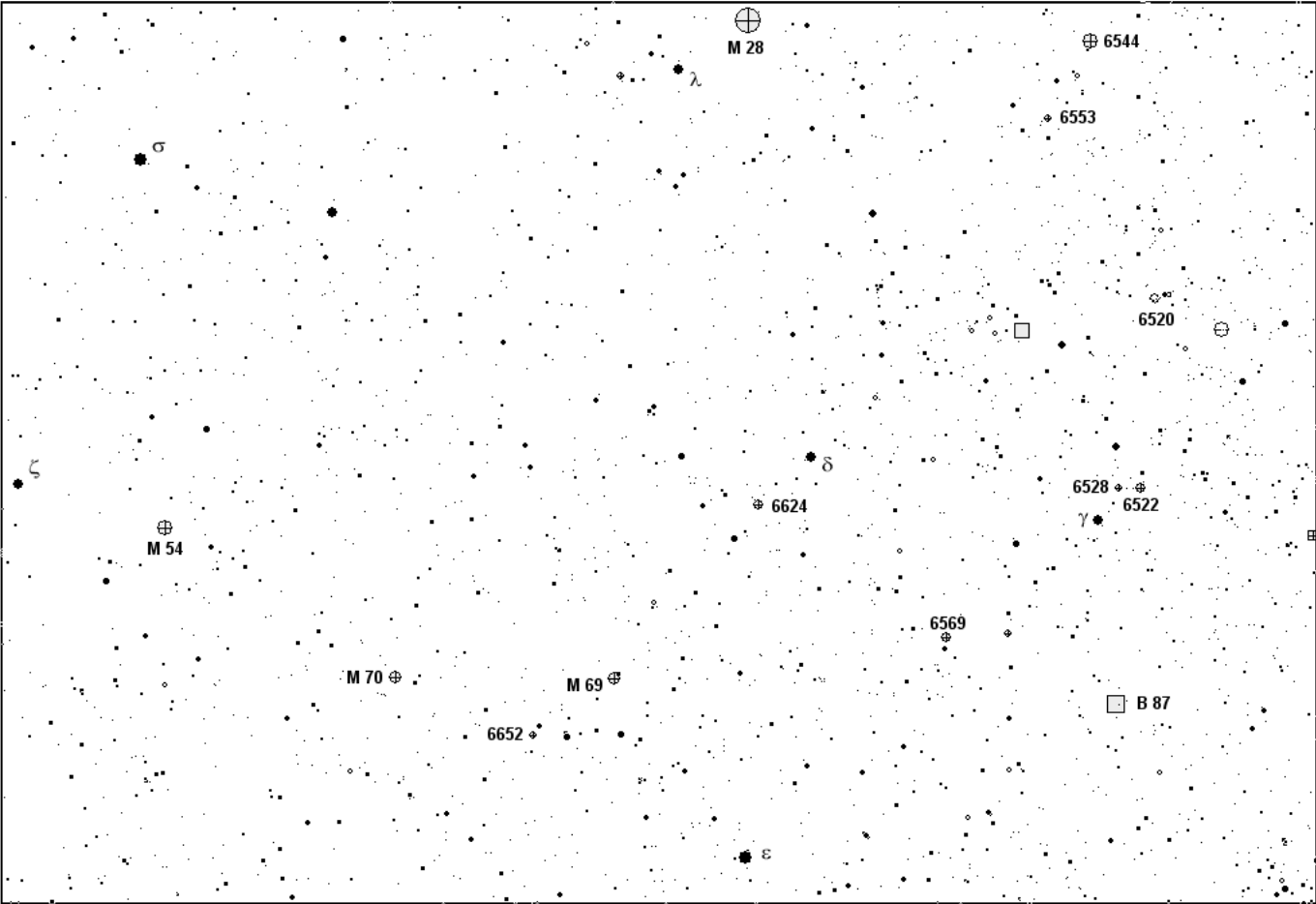
M 71 / Cr 399 / Harvard 20 / Pal 10

Sagittarius - Střelec

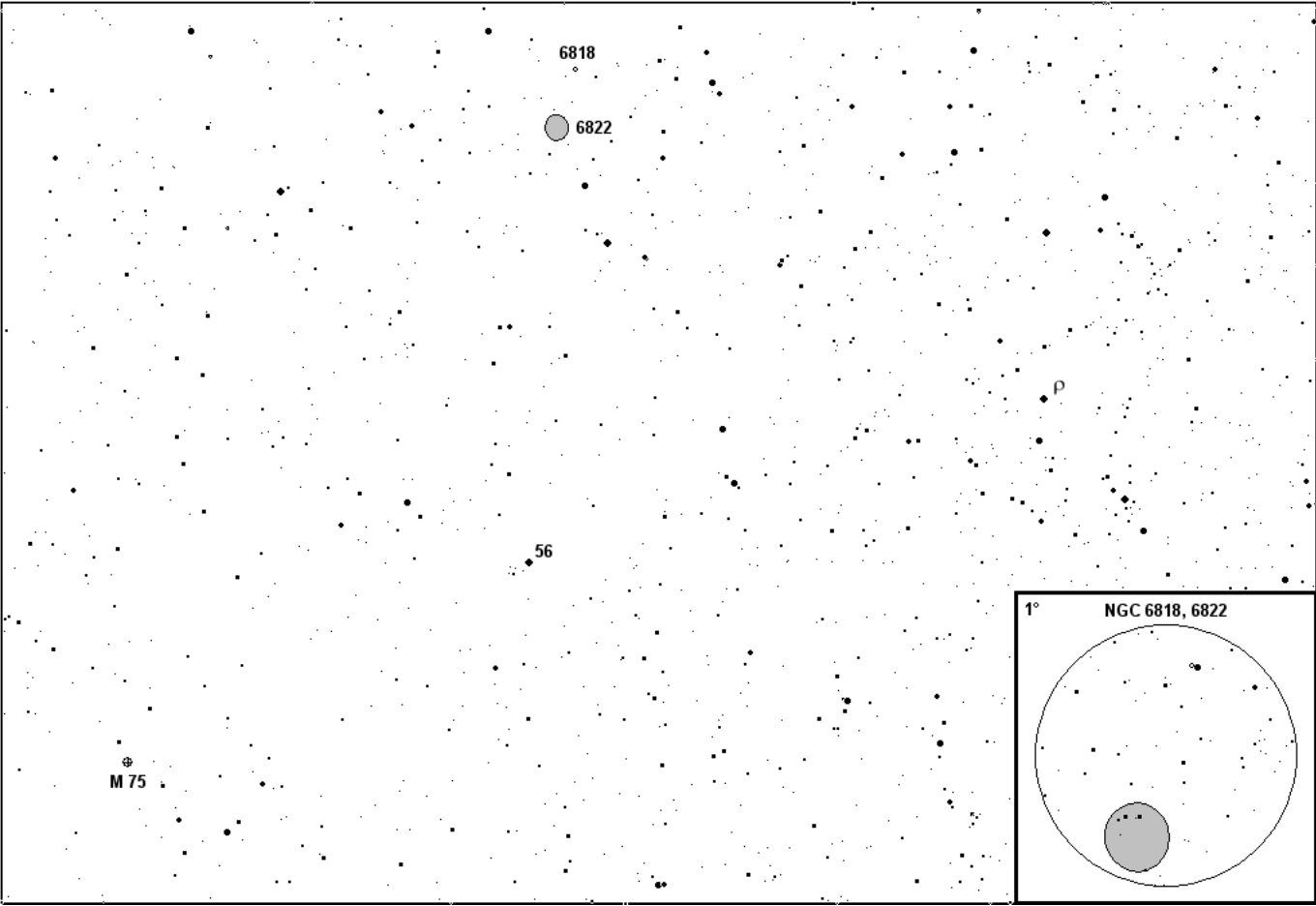


M 8, 17, 18, 20, 21, 22, 23, 24, 25, 28 / NGC 6445, 6530, 6544, 6603, 6645 / B 92 / Pal 8
M 54, 55

Sagittarius - Střelec



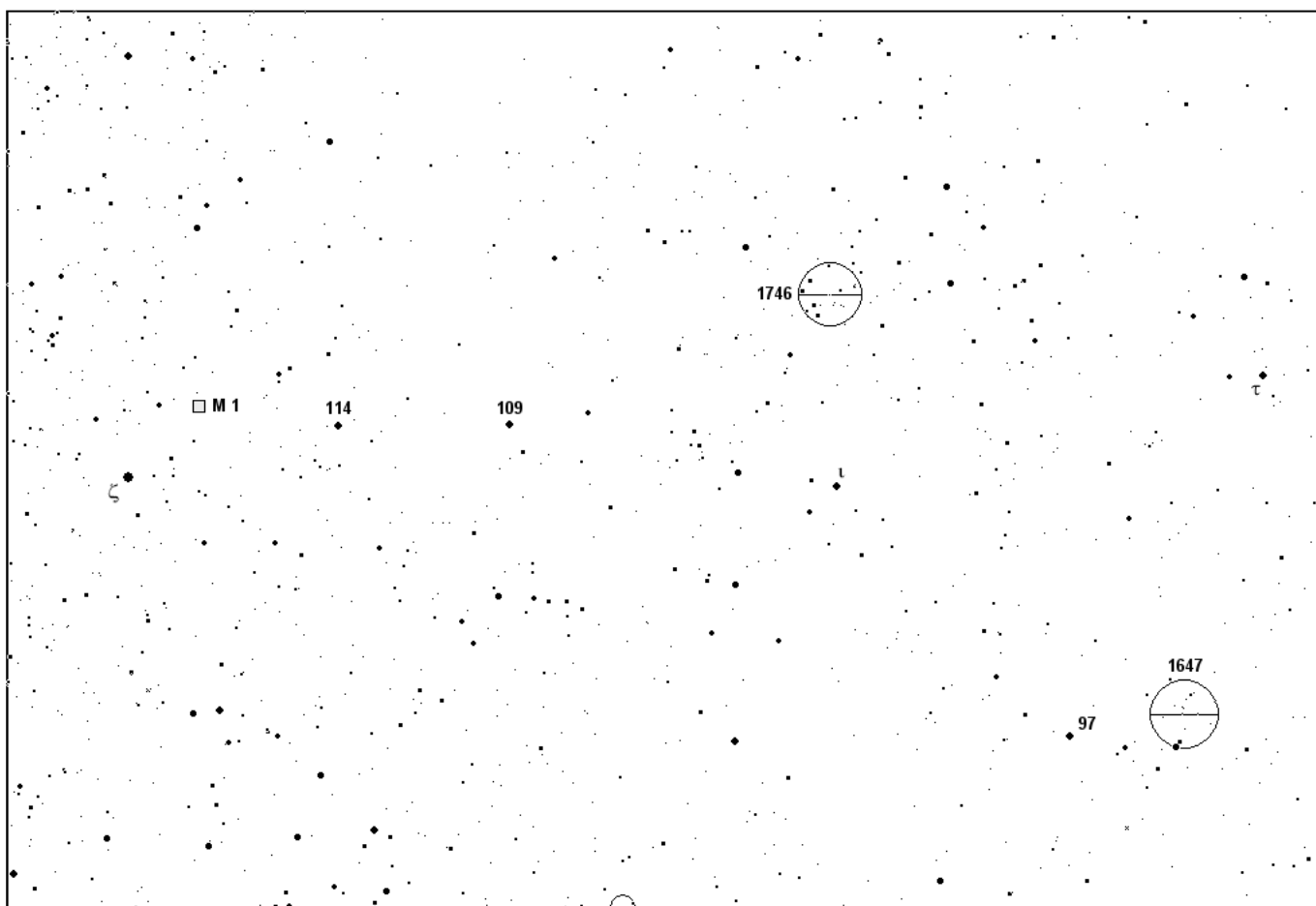
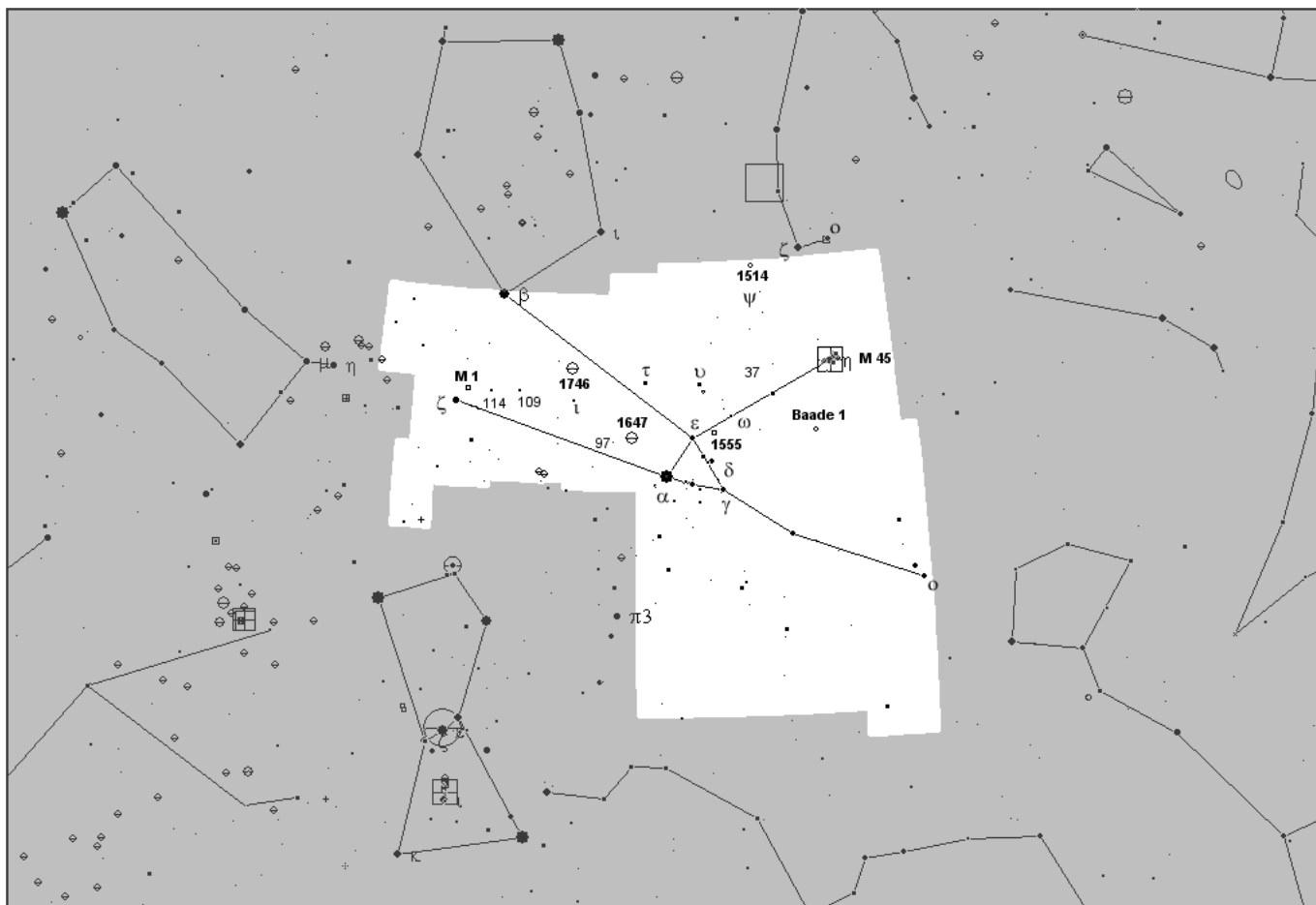
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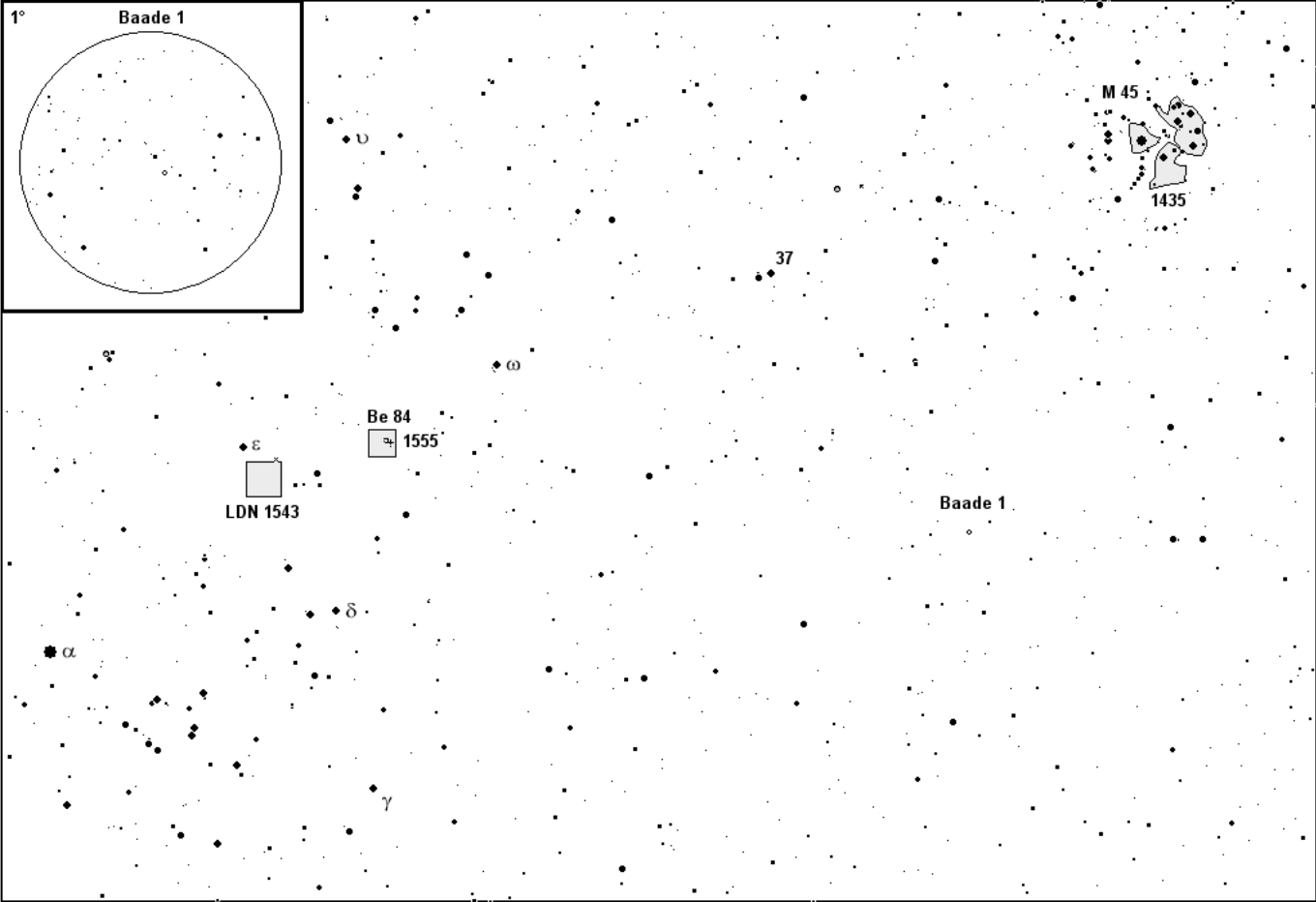
M 28, 54, 69, 70 / NGC 6520, 6522, 6528, 6544, 6553, 6569, 6624, 6652 / B 87
M 75 / NGC 6818, 6822

Taurus - Býk

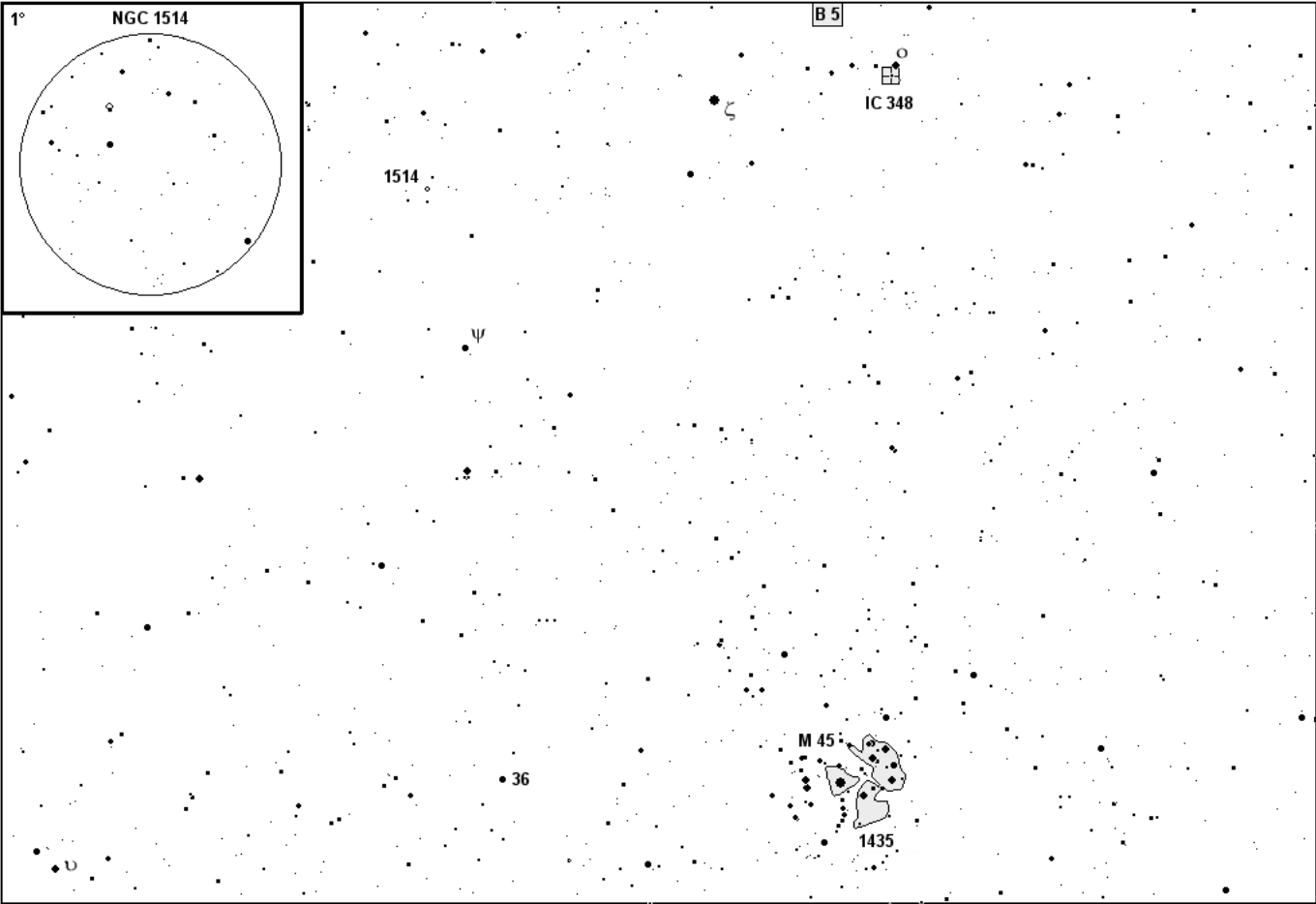


M 1 / NGC 1647, 1746

Taurus - Býk

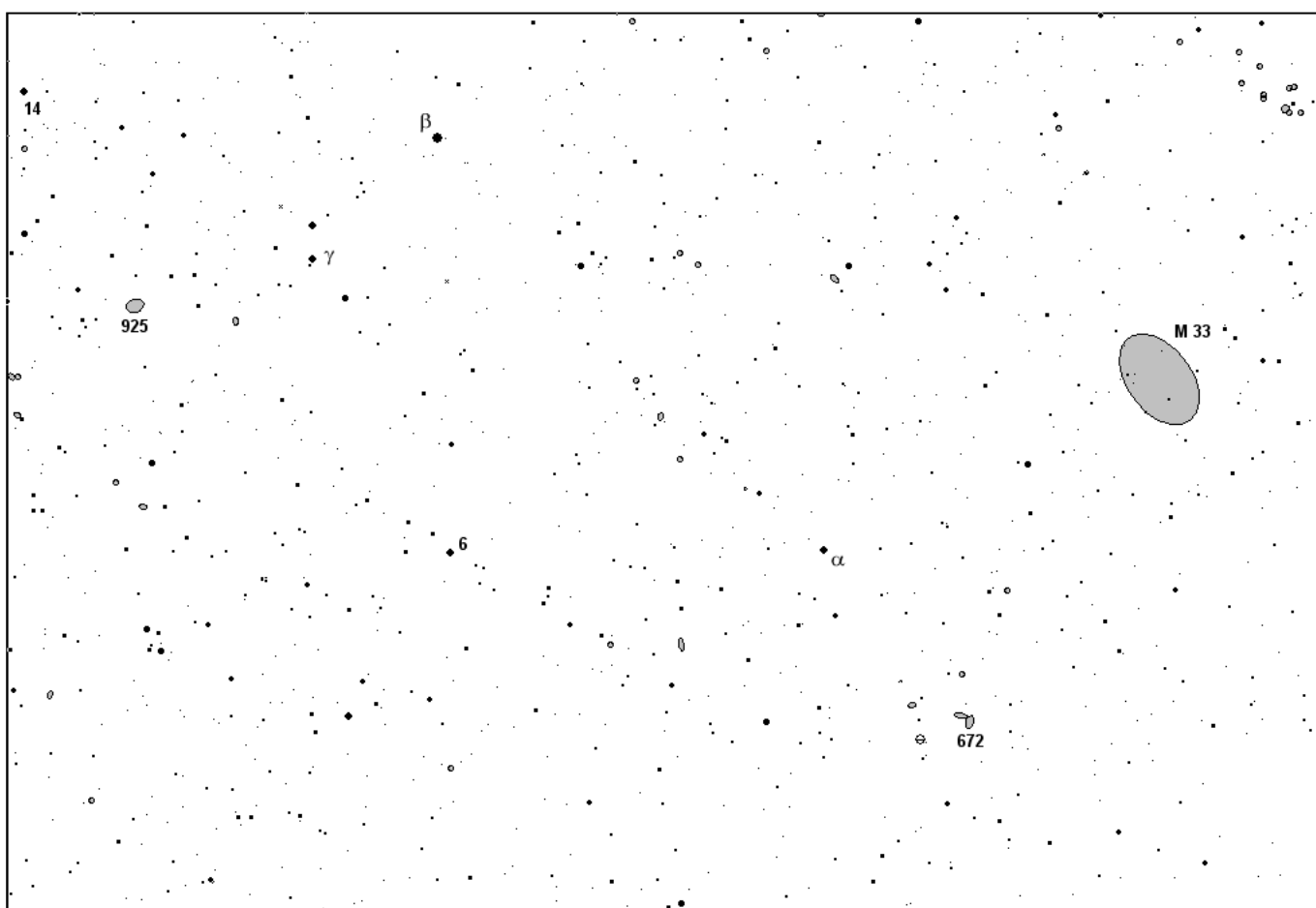
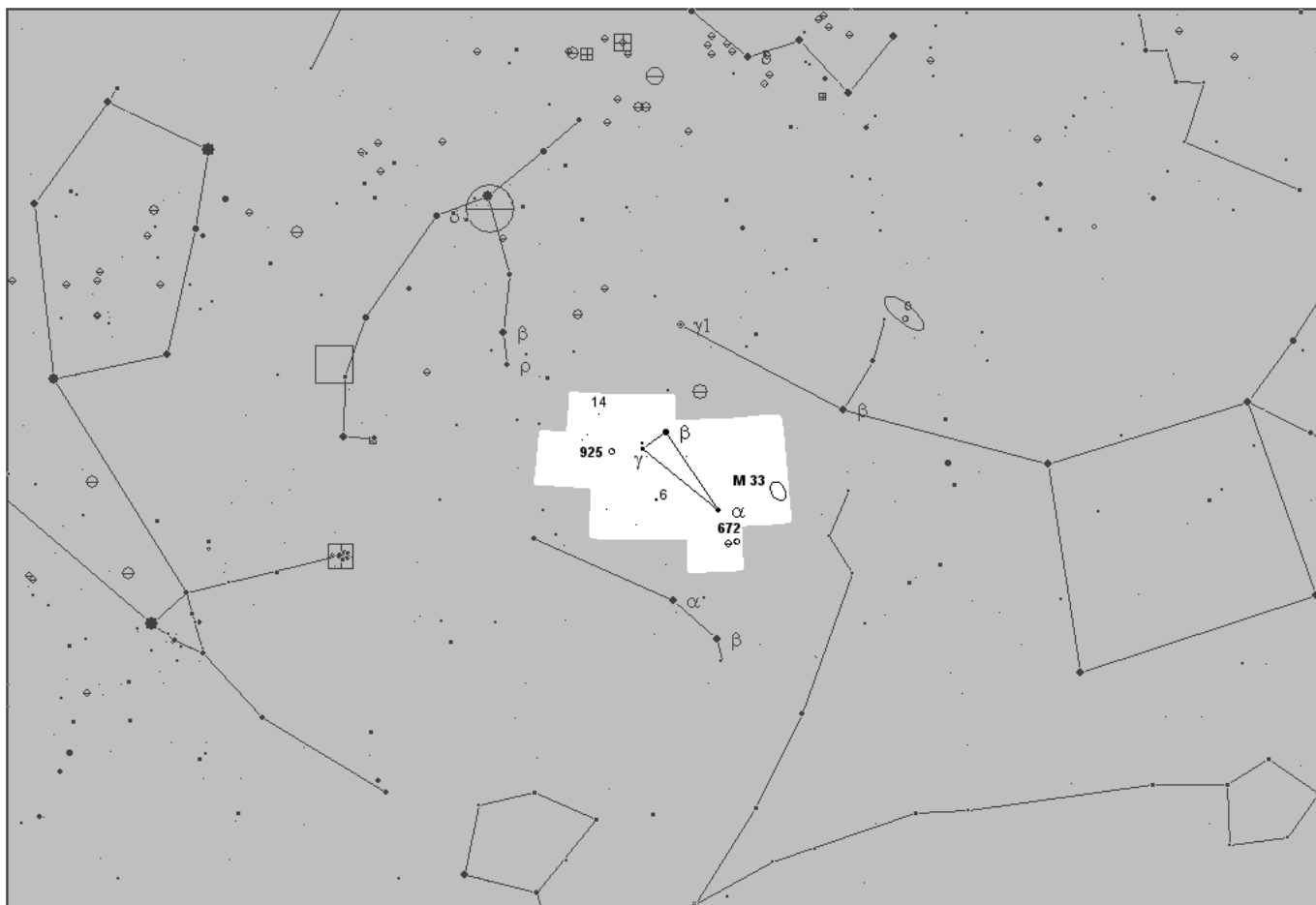


Deep Sky Atlas 2007



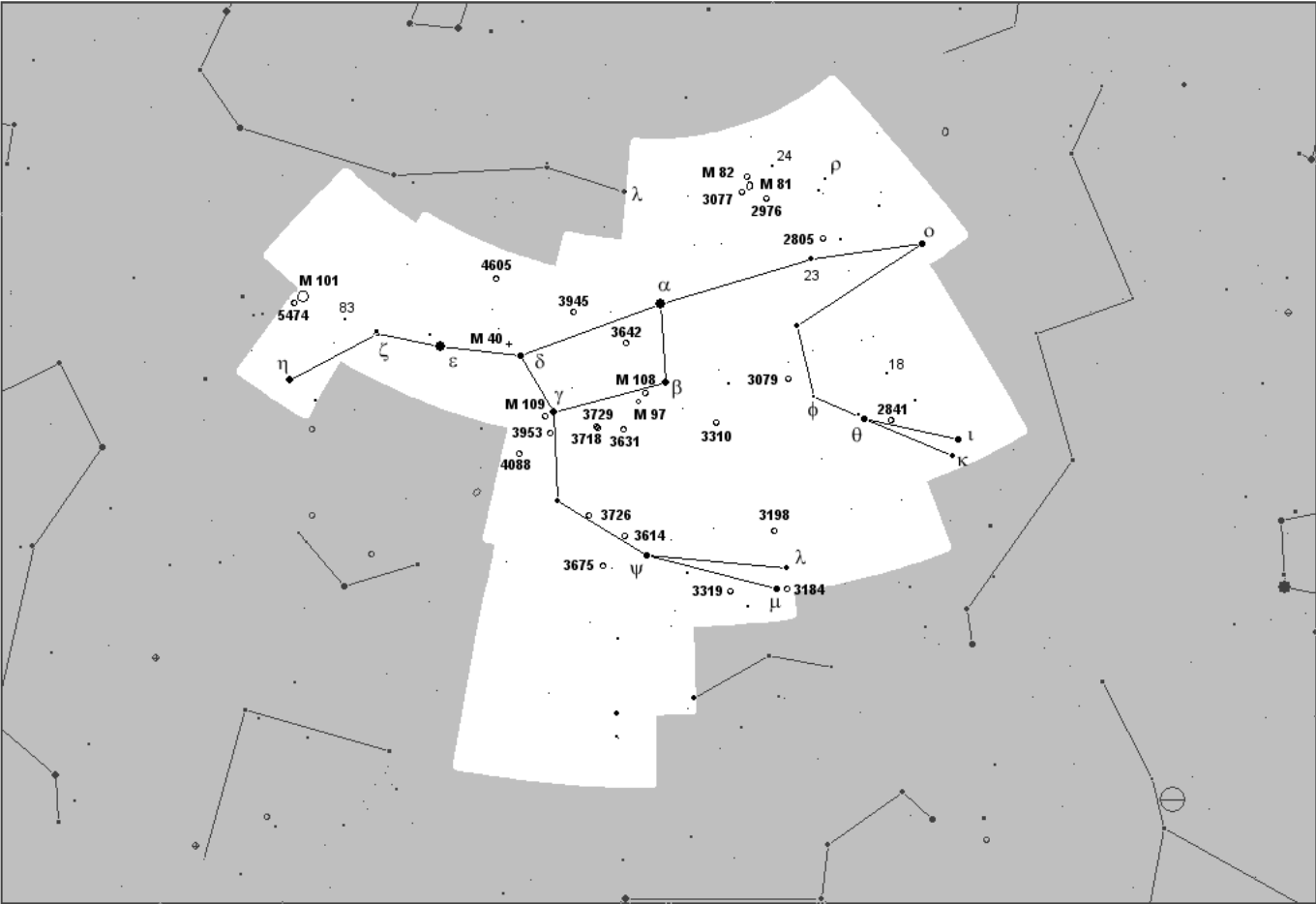
M 45 / NGC 1435, 1555 / Baade 1 / LDN 1543 / Be 84
M 45 / NGC 1435, 1514 / IC 348 / B 5

Triangulum - Trojúhelník

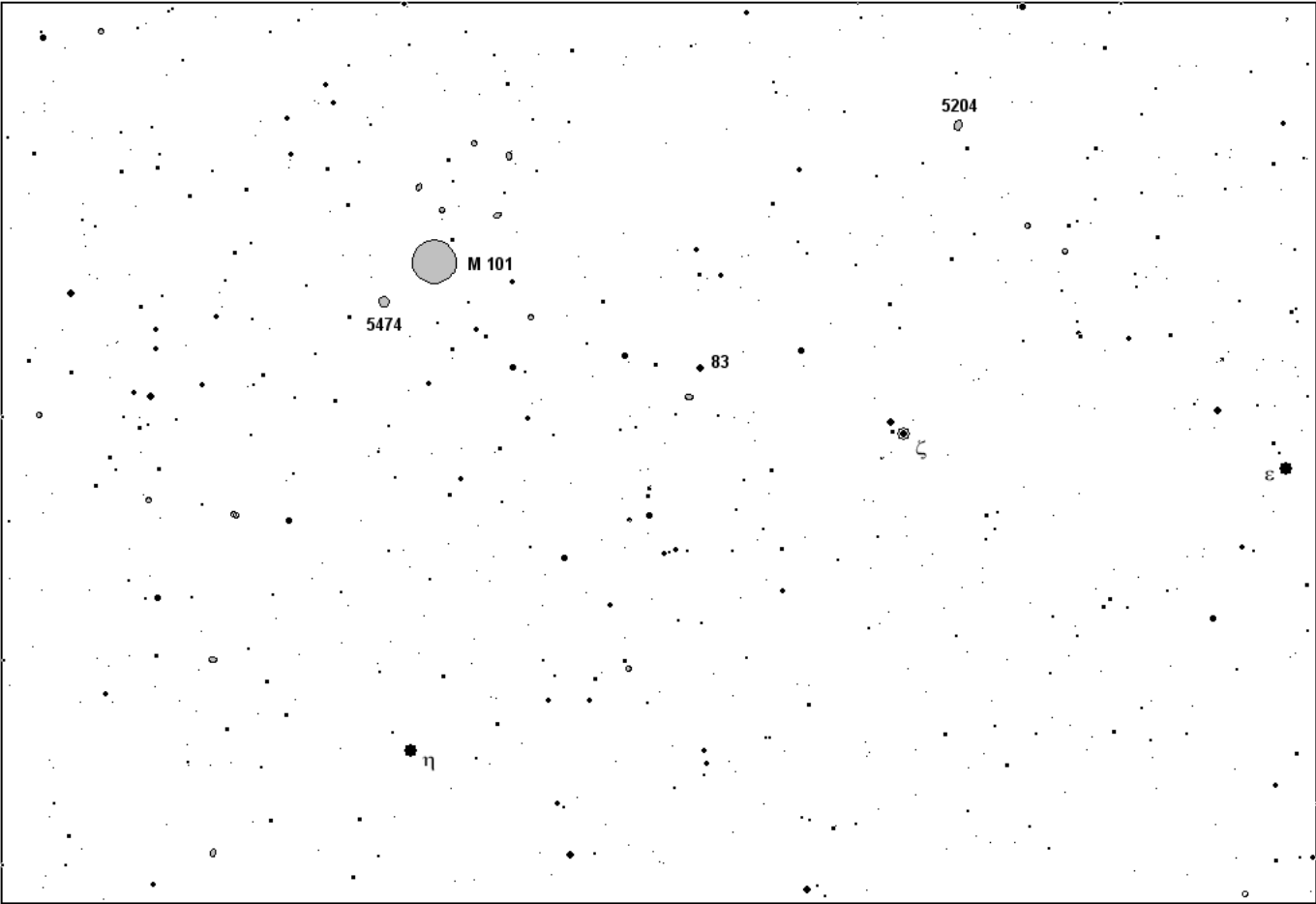


M 33 / NGC 672, 925

Ursa Major - Velká medvědice

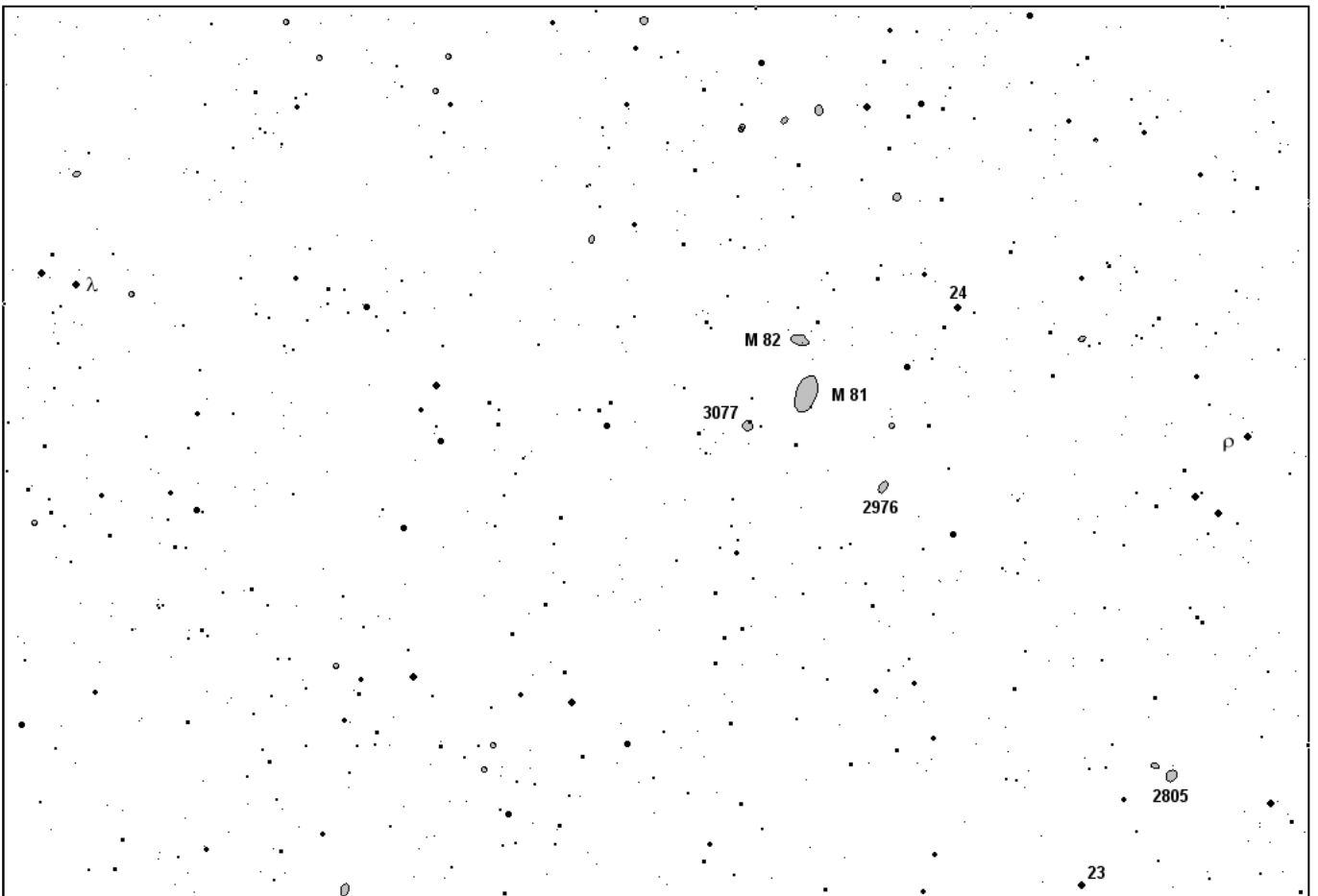
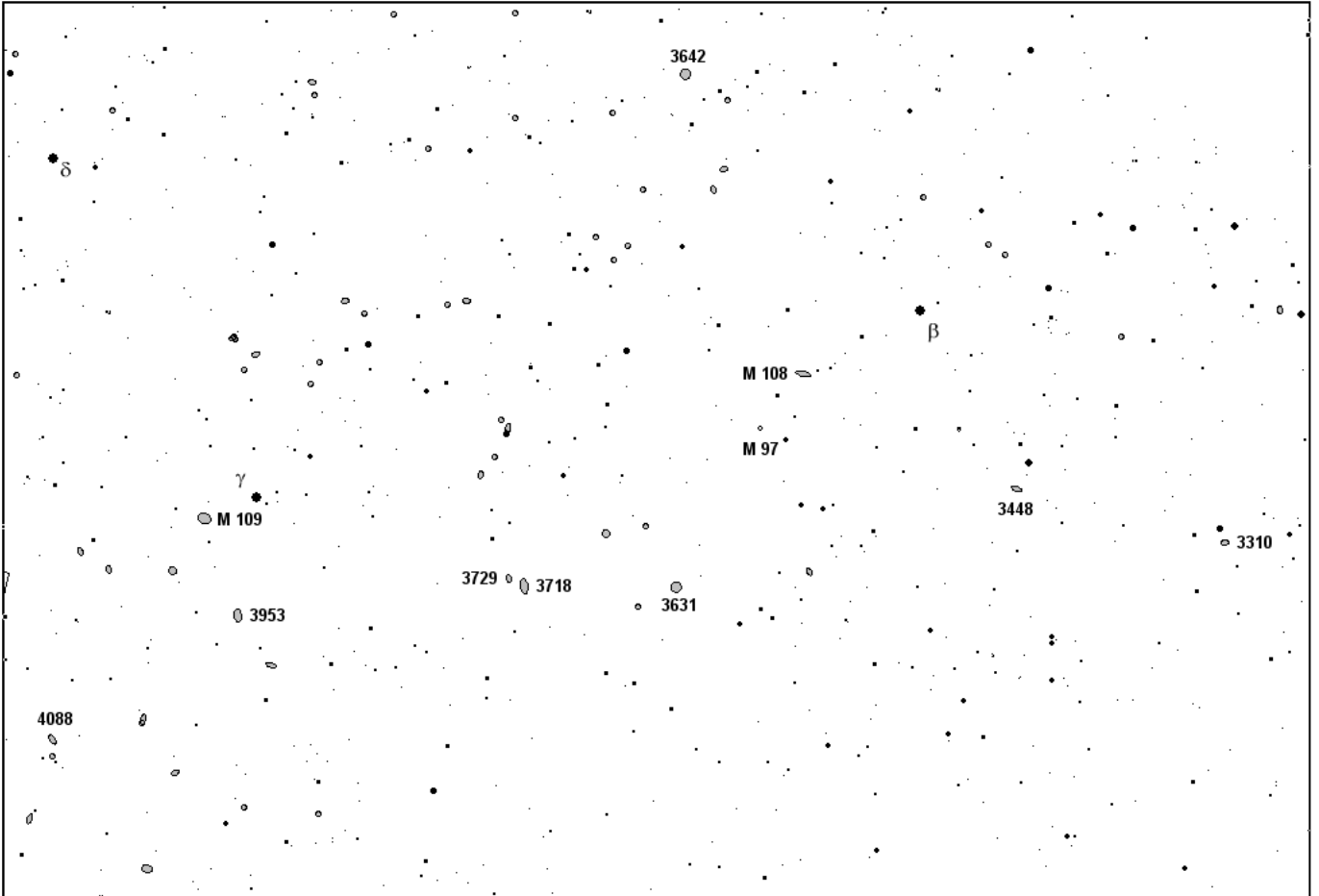


Deep Sky Atlas 2007



M 101 / NGC 5204, 5474

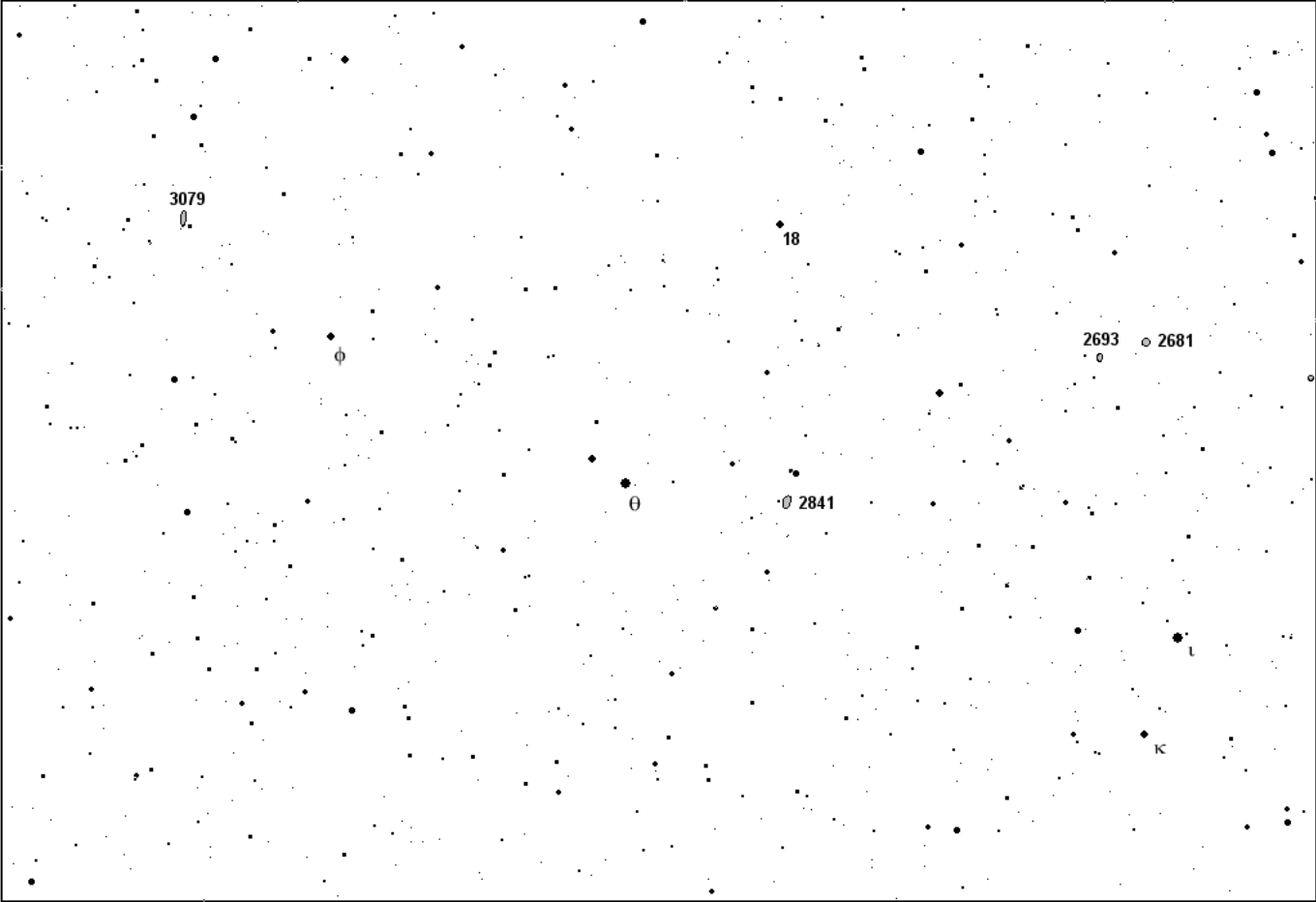
Ursa Major - Velká medvědice



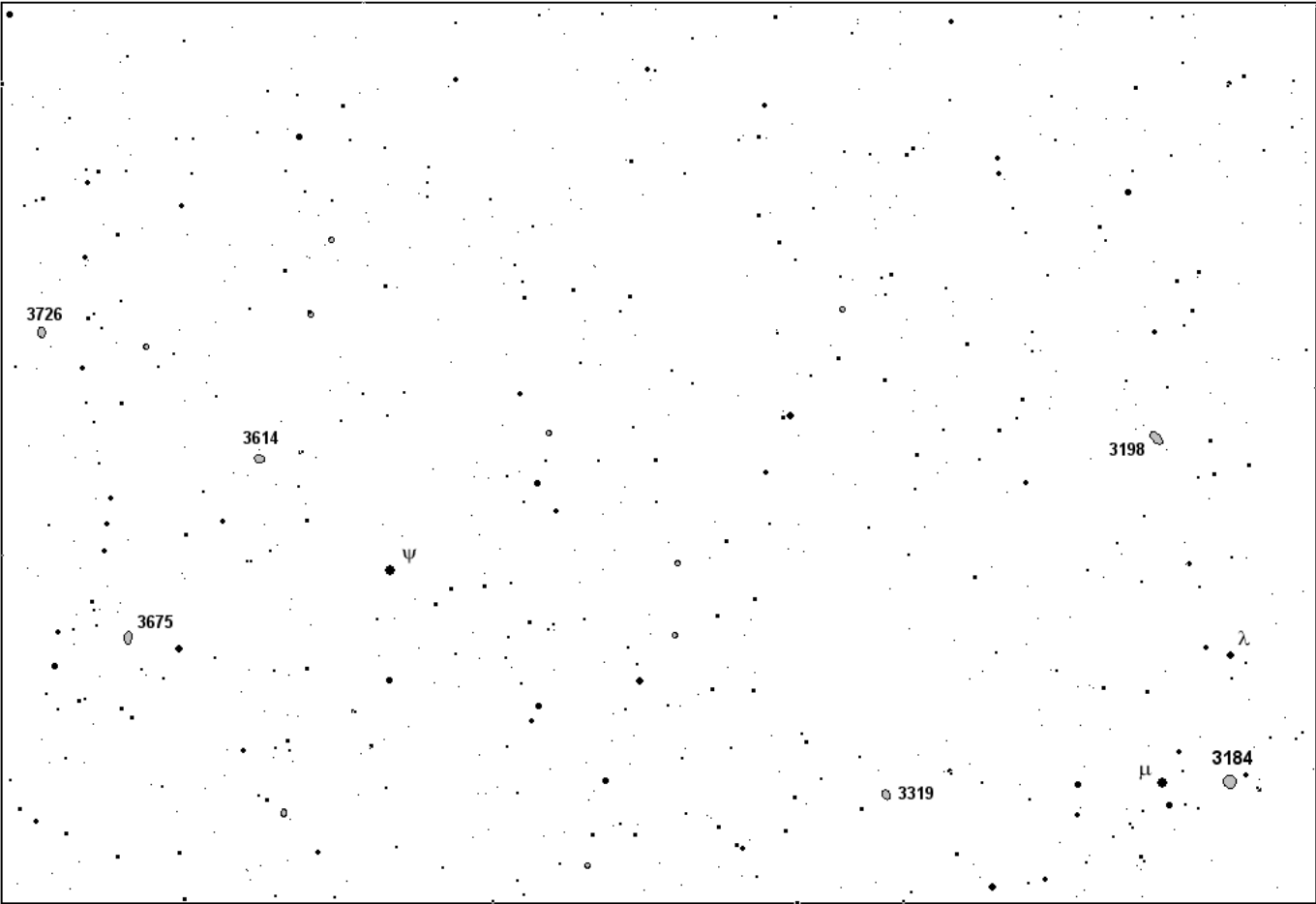
M 97, 108, 109 / NGC 3310, 3448, 3631, 3642, 3718, 3729, 3953, 4088

M 81, 82 / NGC 2805, 2976, 3077

Ursa Maior - Velká medvědice



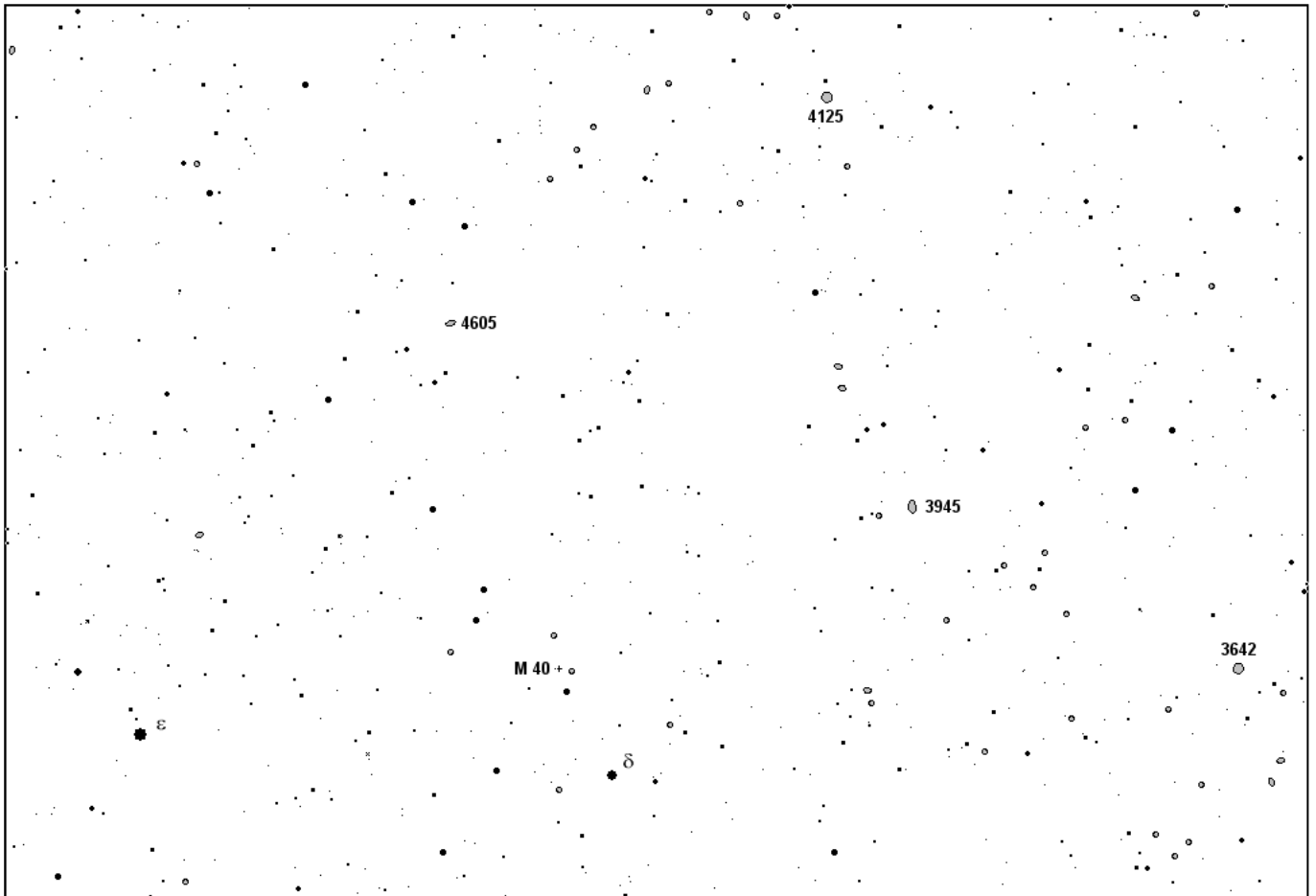
Deep Sky Atlas 2007



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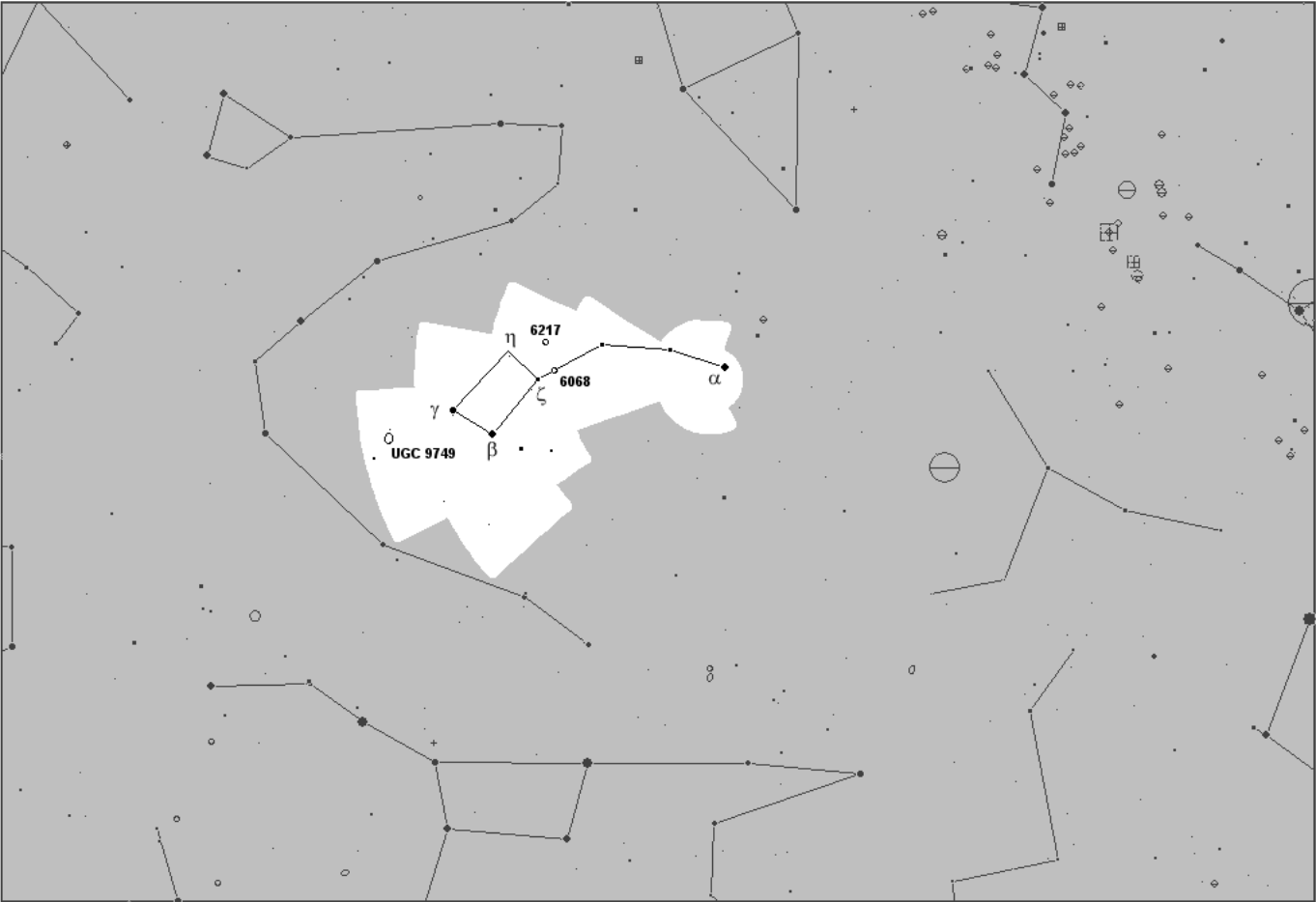
NGC 2681, 2693, 2841, 3079
NGC 3184, 3198, 3319, 3614, 3675, 3726

Ursa Maior - Velká medvědice

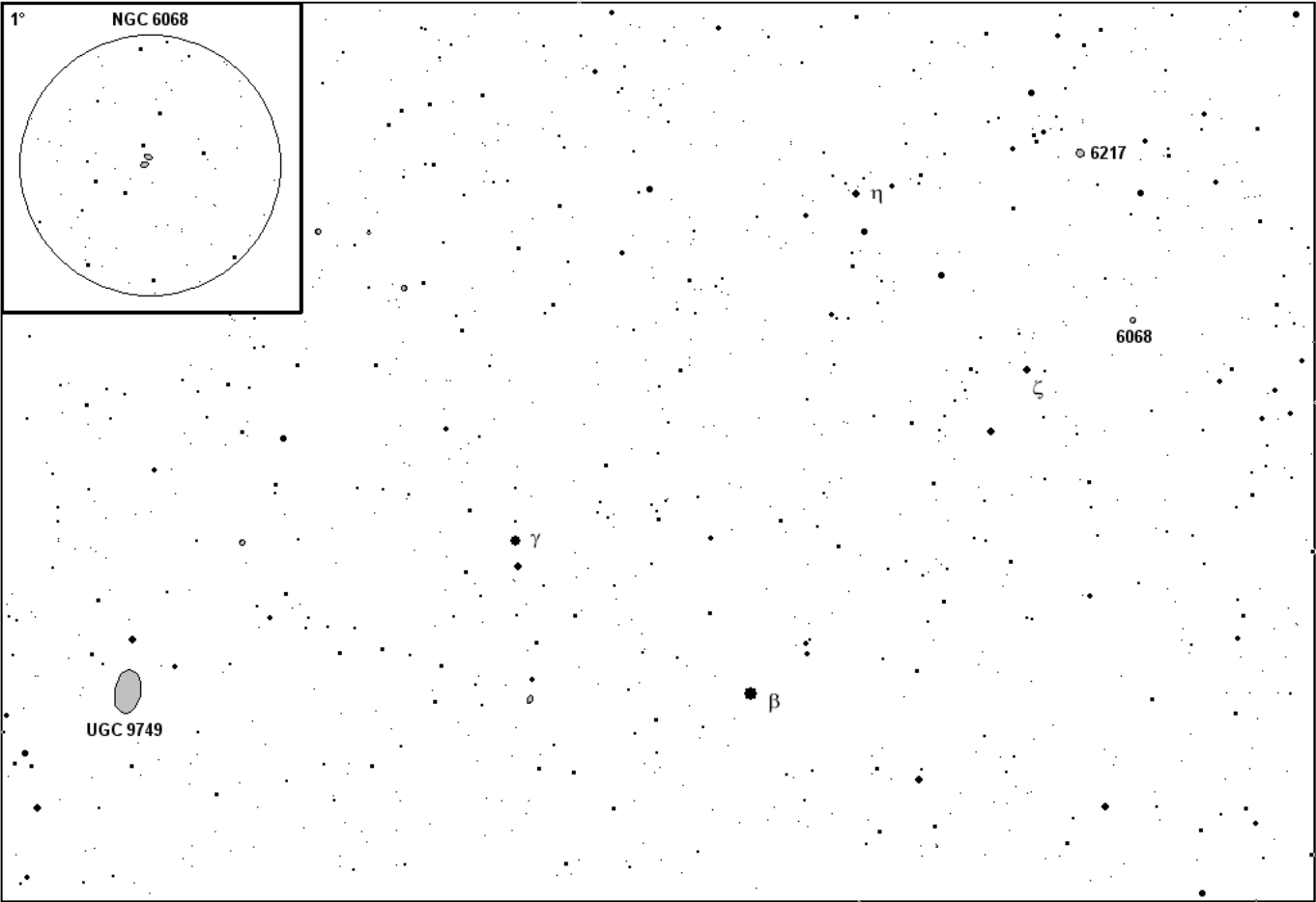
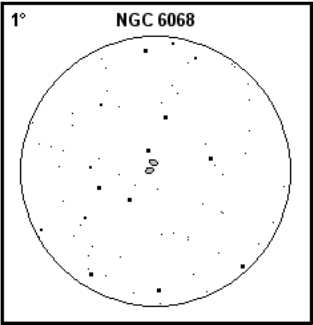


M 40 / NGC 3642, 3945, 4125, 4605

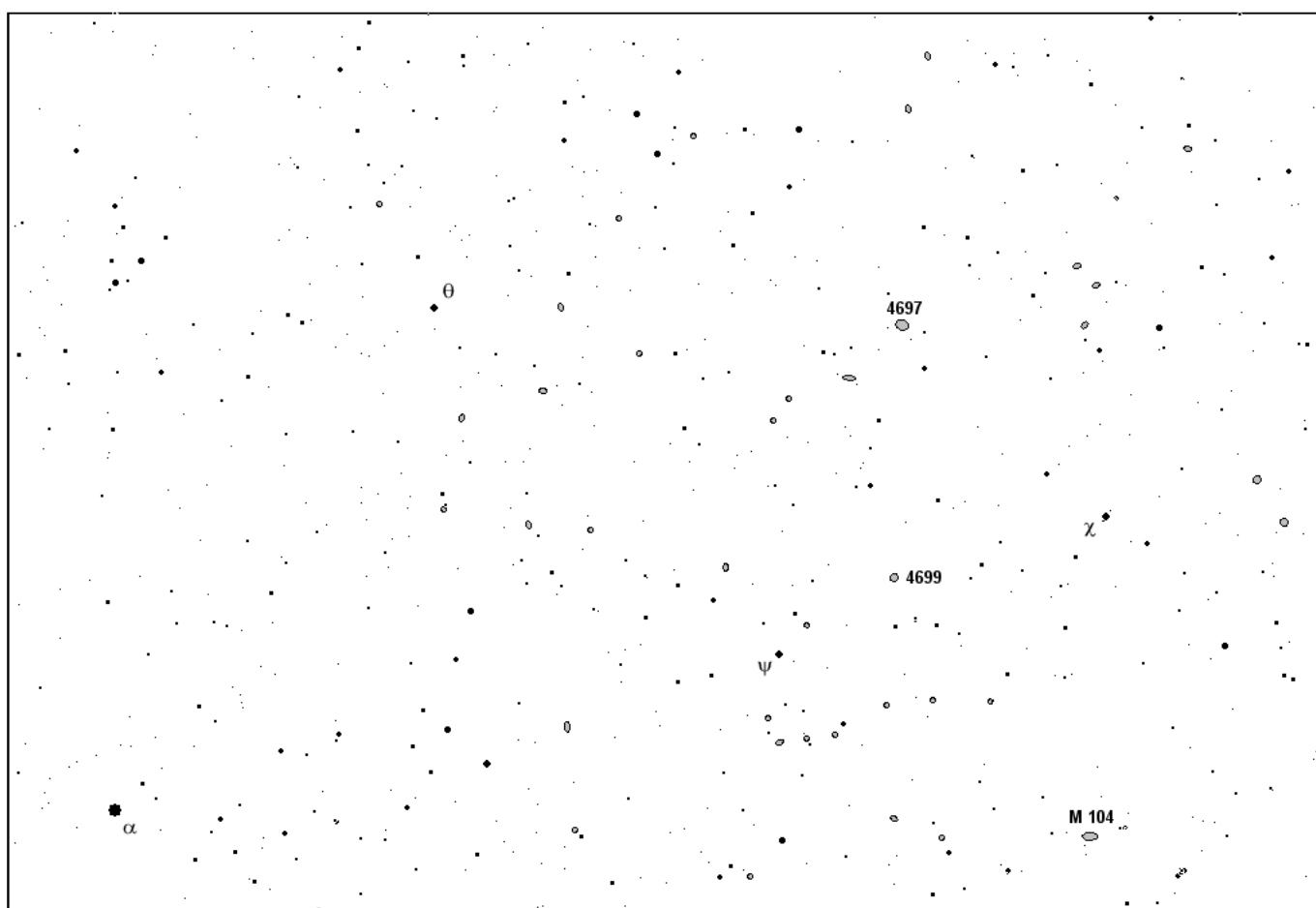
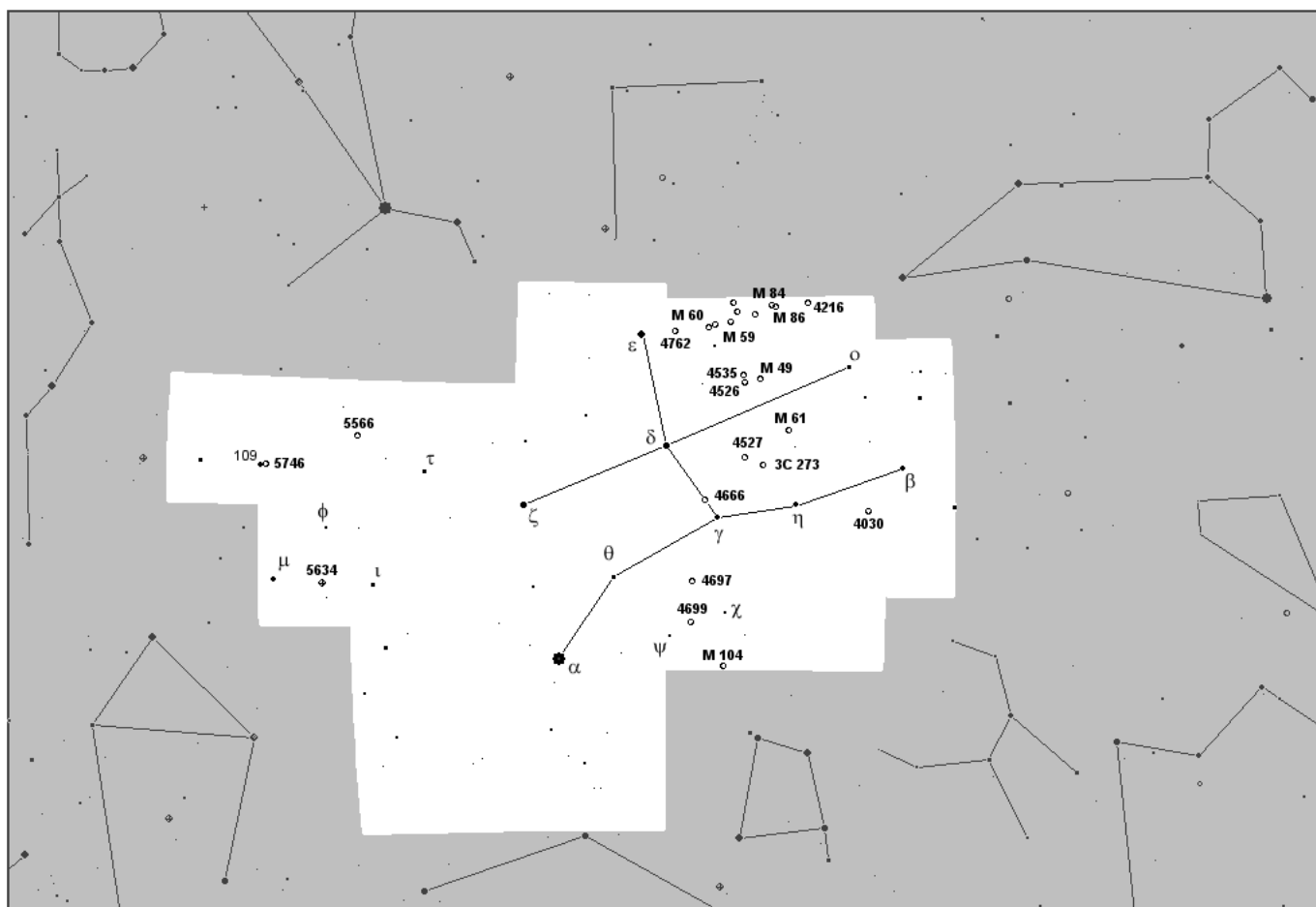
Ursa Minor - Malá medvědice



Deep Sky Atlas 2007

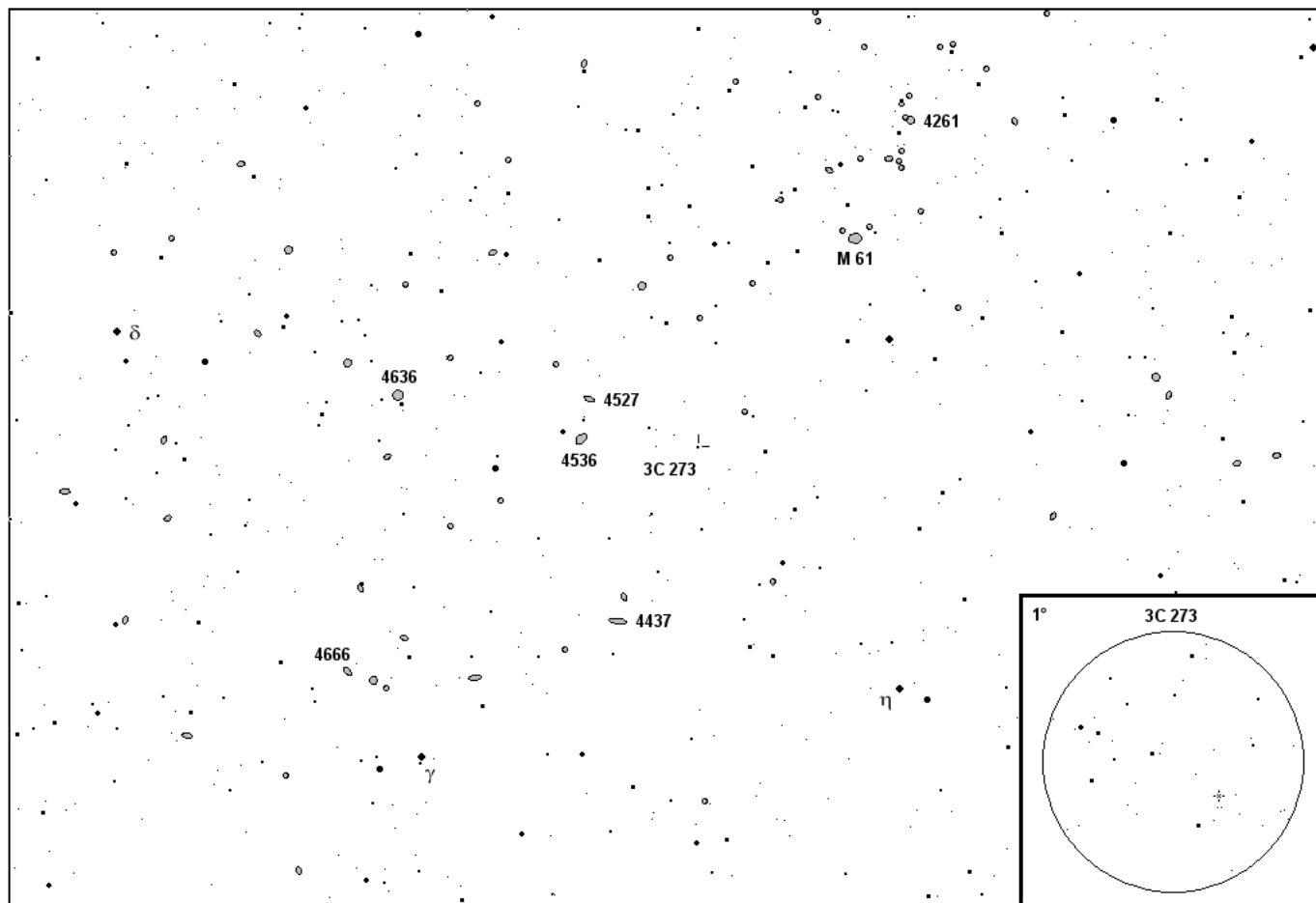


NGC 6068, 6217 / UGC 9749

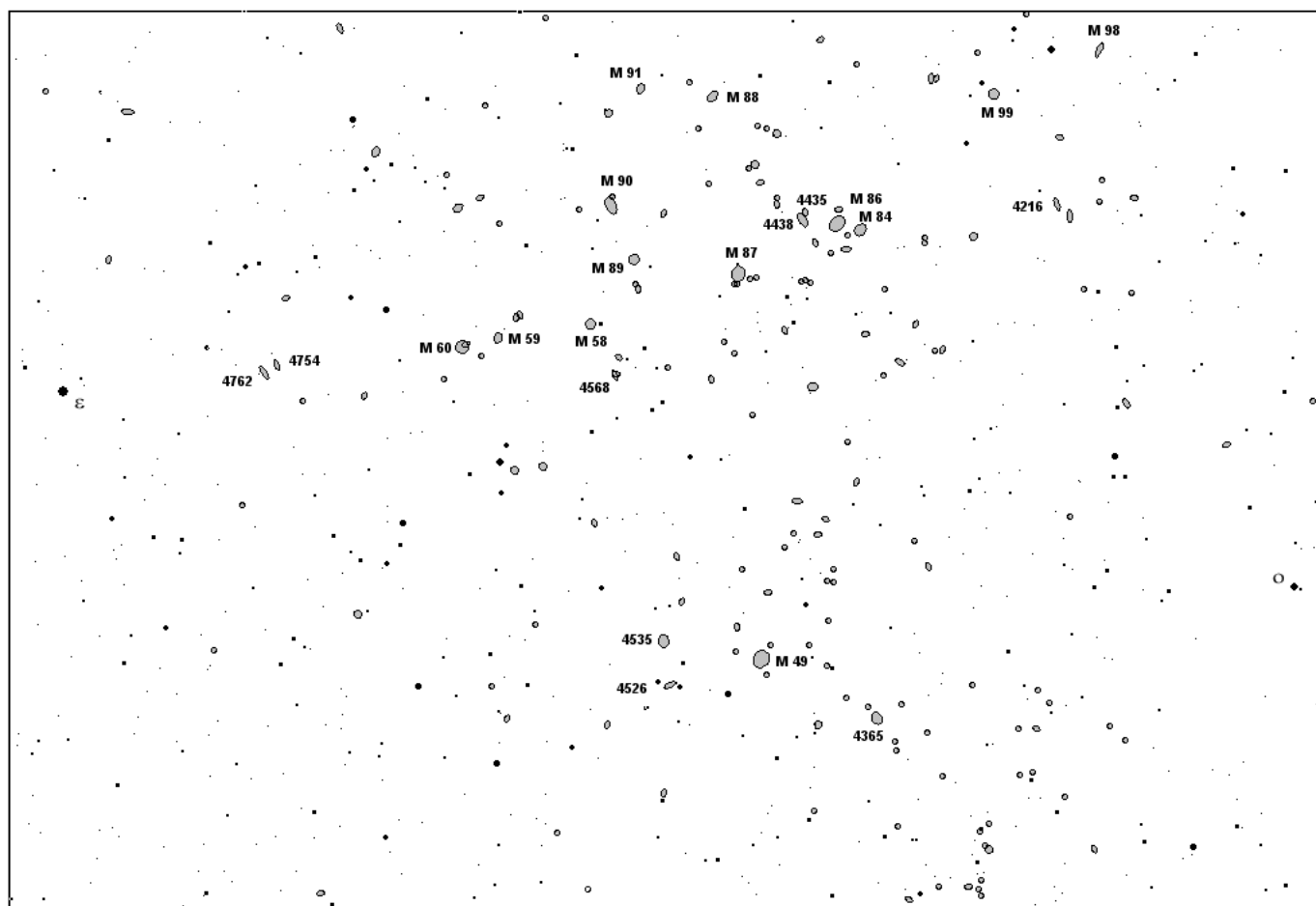


M 104 / NGC 4697, 4699

Virgo - Panna

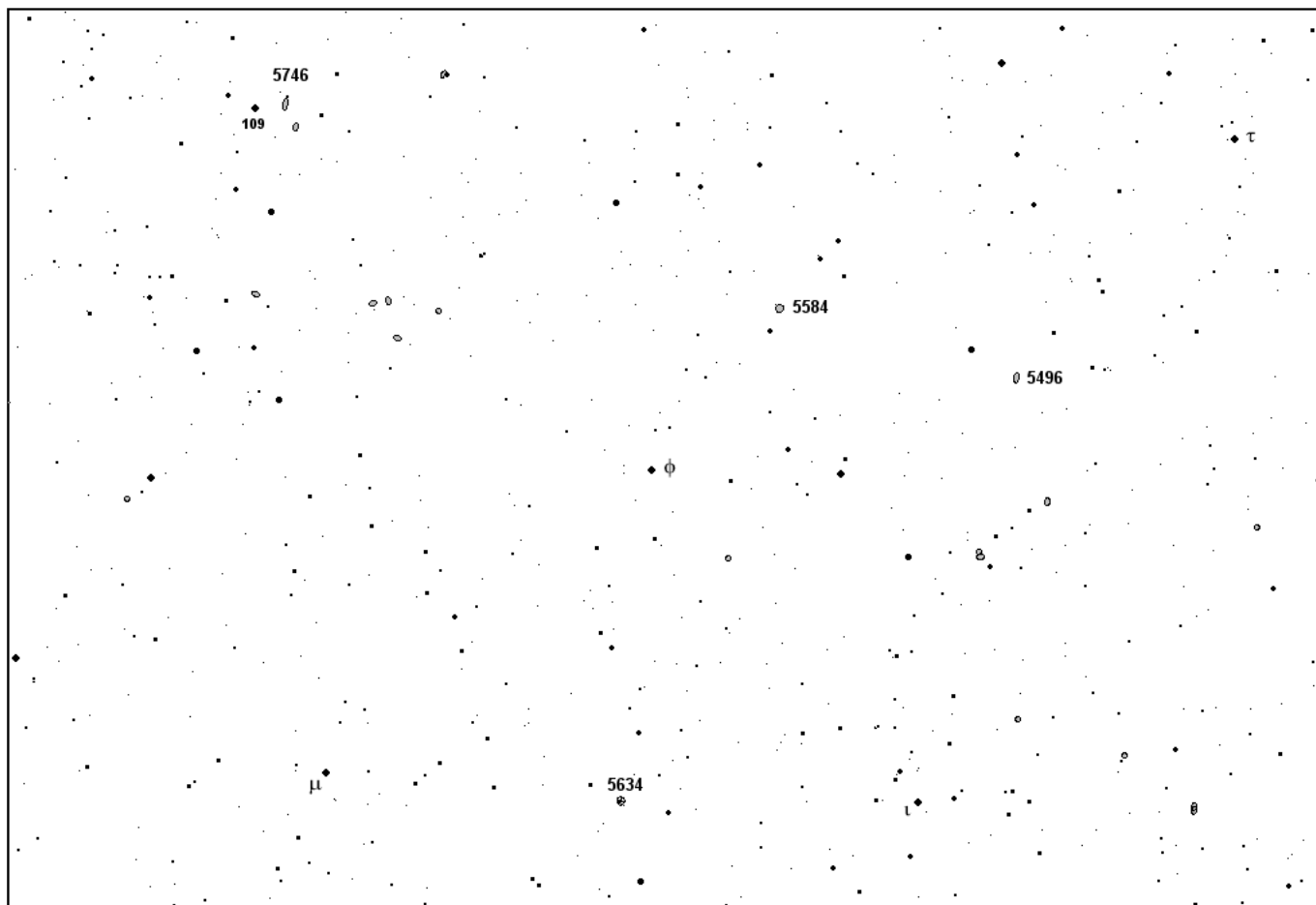


Deep Sky Atlas 2007



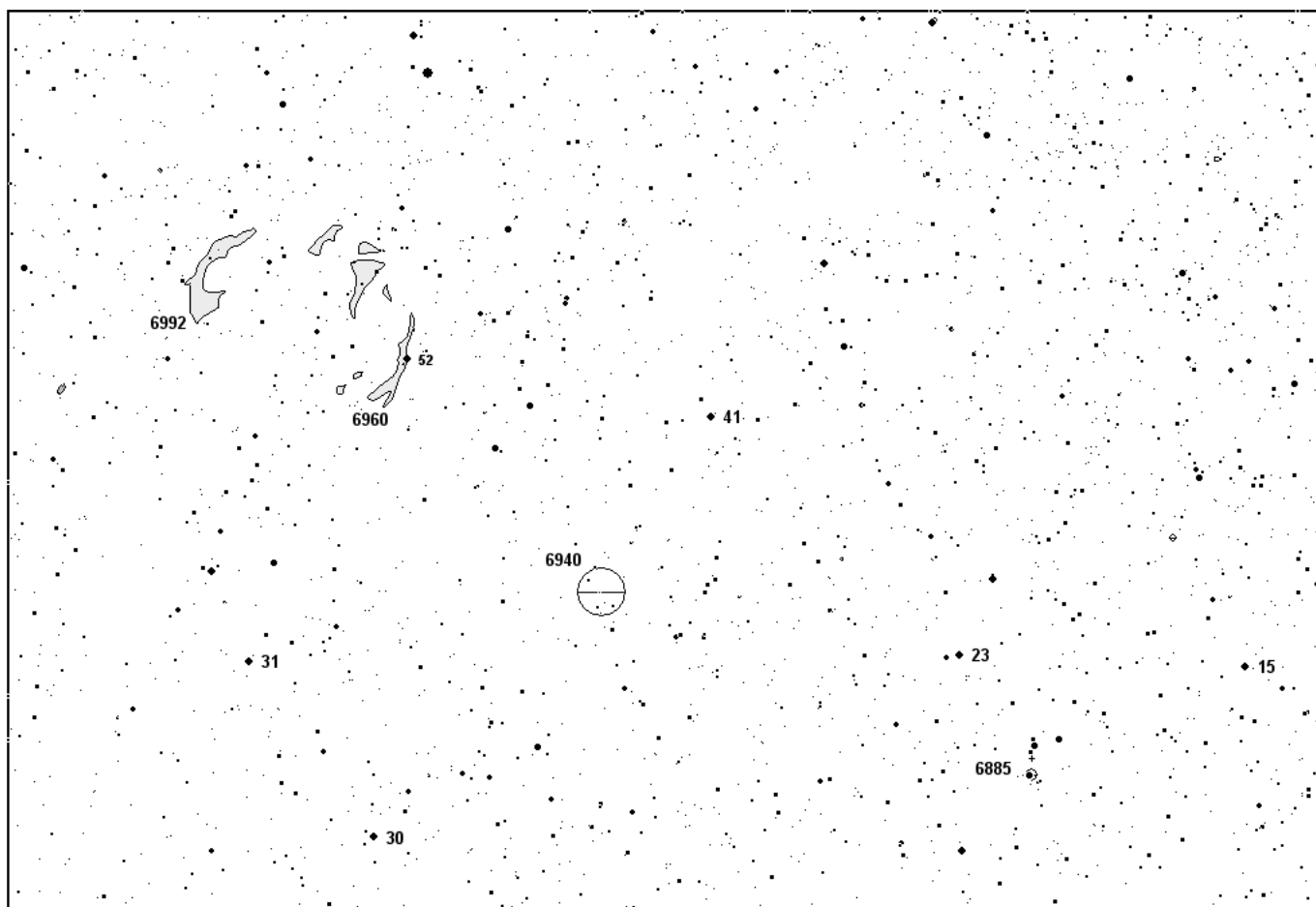
M 61 / NGC 4261, 4437, 4527, 4536, 4636, 4666 / 3C 273

M 49, 58, 59, 60, 84, 86, 87, 88, 89, 90, 91, 98, 99 / NGC 4216, 4365, 4435, 4438, 4526, 4535, 4568, 4754, 4762



NGC 5496, 5584, 5634, 5746

114



NGC 6885, 6940, 6960, 6992-5

Souhvězdí

latinský název	zkr.	str.	český název	zkr.	str.
Andromeda	And	7	Andromeda	And	7
Aquila	Aql	9	Beran	Ari	14
Aquarius	Aqr	11	Blíženci	Gem	54
Aries	Ari	14	Býk	Tau	103
Auriga	Aur	15	Delfin	Del	46
Bootes	Boo	17	Drak	Dra	48
Camelopardalis	Cam	18	Had	Ser	95
Capricornus	Cap	20	Hadonoš	Oph	73
Cassiopeia	Cas	21	Havran	Crv	38
Cepheus	Cep	24	Herkules	Her	56
Cetus	Cet	27	Honák	Boo	17
Canis Maior	CMA	30	Honící psi	CVn	39
Cancer	Cnc	32	Hydra	Hya	58
Coma Berenices	Com	34	Jednorožec	Mon	71
Corona Borealis	CBr	37	Ještěrka	Lac	61
Corvus	Crv	38	Kasiopea	Cas	21
Canes Venatici	CVn	39	Kefeus	Cep	24
Cygnus	Cyg	42	Kozoroh	Cap	20
Delphinus	Del	46	Labuť	Cyg	42
Draco	Dra	48	Lev	Leo	62
Eridanus	Eri	50	Lištička	Vul	114
Fornax	For	52	Lodní zád'	Pup	88
Gemini	Gem	54	Lyra	Lyr	69
Hercules	Her	56	Malá medvědice	CMi	110
Hydra	Hya	58	Orel	Aql	9
Lacerta	Lac	61	Orion	Ori	77
Leo	Leo	62	Panna	Vir	111
Lepus	Lep	64	Pec	For	52
Libra	Lib	66	Pegas	Peg	79
Lynx	Lyn	67	Perseus	Per	83
Lyra	Lyr	69	Rak	Cnc	32
Monoceros	Mon	71	Ryby	Psc	86
Ophiuchus	Oph	73	Rys	Lyn	67
Orion	Ori	77	Řeka Eridanus	Eri	50
Pegasus	Peg	79	Severní koruna	CBr	37
Perseus	Per	83	Sextant	Sex	98
Pisces	Psc	86	Sochař	Scl	90
Puppis	Pup	88	Střelec	Sgr	100
Sculptor	Scl	90	Šíp	Sge	99
Scorpius	Sco	92	Štír	Sco	92
Scutum	Sct	94	Štít	Sct	94
Serpens	Ser	95	Trojúhelník	Tri	105
Sextans	Sex	98	Váhy	Lib	66
Sagitta	Sge	99	Velká medvědice	UMa	106
Sagittarius	Sgr	100	Velký pes	CMA	30
Taurus	Tau	103	Velryba	Cet	27
Triangulum	Tri	105	Vlasy Bereniky	Com	34
Ursa Maior	UMa	106	Vodnář	Aqr	11
Ursa Minor	UMi	110	Vozka	Aur	15
Virgo	Vir	111	Zajíc	Lep	64
Vulpecula	Vul	114	Žirafa	Cam	18

Objekty

Kat. číslo	str.	Kat. číslo	str.	Kat. číslo	str.
3C 273	112	IC 342	18	M 44	32
Abell 12	78	IC 348	84, 104	M 45	104
Abell 1367	63	IC 405	15	M 46	88
Abell 1656	36	IC 410	15	M 47	88
Abell 194	27	IC 418	65	M 48	59
Abell 2065	37	IC 430	77	M 49	112
Abell 21	55	IC 434	77	M 50	71
Abell 2199	56	IC 443	54, 78	M 51	40
Abell 262	8	IC 4665	76	M 52	22
Abell 31	33	IC 4756	10, 97	M 53	34
Abell 347	8	IC 4997	99	M 54	101, 102
Abell 35	59	IC 5070	43	M 55	101
Abell 39	57	IC 5086	43	M 56	44, 69
B 135-6	9	IC 5146	43, 61	M 57	44, 69, 70
B 142-3	10	IC 5332	91	M 58	35, 112
B 145	42	IC 59	22	M 59	112
B 150	25	IC 63	22	M 60	35, 112
B 152	26	J 900	54	M 61	112
B 169-71	25, 26	Jones 1	81	M 62	75
B 173-4	25, 26	LDN 1543	104	M 63	40
B 287	93	Leo I	62	M 64	34, 36
B 3	84	M 1	78, 103	M 65	63
B 33	77	M 2	11	M 66	63
B 334	10	M 3	39	M 67	33
B 336-7	10	M 4	92	M 68	59
B 34	15	M 5	96	M 69	102
B 361	43	M 6	93	M 70	102
B 362	43	M 7	93	M 71	46, 99, 100, 114
B 4	84	M 8	101	M 72	12
B 5	104	M 9	75	M 73	12
B 72	75	M 10	73	M 74	14, 86
B 87	102	M 11	94	M 75	102
B 92	95, 101	M 12	73	M 76	84
Baade 1	104	M 13	56	M 77	28
Basel 11B	54	M 14	74	M 78	77
Basel 6	42	M 15	79	M 79	65
Be 84	104	M 16	95	M 80	92
Berk 10	19	M 17	95, 101	M 81	107
Ced 90	71	M 18	95, 101	M 82	107
Cr 106	72	M 19	75	M 83	59
Cr 107	72	M 20	101	M 84	35, 112
Cr 121	31, 89	M 21	101	M 85	35
Cr 350	76	M 22	101	M 86	35, 112
Cr 36	18, 19	M 23	101	M 87	35, 112
Cr 394	95	M 24	95, 101	M 88	35, 112
Cr 399	100, 114	M 25	95, 101	M 89	35, 112
Cr 89	54	M 26	94	M 90	35, 112
Cr 97	72	M 27	46, 99, 114	M 91	35, 112
Do 25	72	M 28	101, 102	M 92	56, 57
G1 - Mayall	7	M 29	42, 45	M 93	31, 89
Gum 1	71	M 30	20	M 94	40, 41
Harvard 20	46, 99, 100, 114	M 31	7	M 95	62, 63
HCG 44	63	M 32	7	M 96	62, 63
HCG 61	36	M 33	105	M 97	107
HCG 68	40	M 34	8, 83	M 98	35, 112
IC 10	22	M 35	54, 78	M 99	35, 112
IC 1276	74	M 36	15	M 100	35
IC 1318	42	M 37	15	M 101	106
IC 1396	25, 26, 43	M 38	15	M 103	22
IC 1613	28, 87	M 39	43, 61	M 104	111
IC 1795	21	M 40	109	M 105	62, 63
IC 1805	18	M 41	31	M 106	41
IC 2149	16	M 42	77	M 107	74
IC 2177	71	M 43	77	M 108	107

Kat. číslo	str.	Kat. číslo	str.	Kat. číslo	str.
M 109	107	NGC 2251	72	NGC 3640	64
M 110	7	NGC 2264	72	NGC 3642	107, 109
M1-92	44, 69	NGC 2281	16	NGC 3675	108
Maffei I	21	NGC 2283	31	NGC 3718	107
MCG 06-03-0	91	NGC 2286	72	NGC 3726	108
MCG 06-07-0	53	NGC 2301	72	NGC 3729	107
Merrill 2-1	66	NGC 2324	72	NGC 3945	109
NGC 6603	101	NGC 2331	55	NGC 3953	107
NGC 1023	8, 83	NGC 2335	71	NGC 40	25
NGC 1049	53	NGC 2353	71	NGC 4038	38
NGC 1055	28	NGC 2354	31, 89	NGC 4039	38
NGC 1058	83	NGC 2355	55	NGC 404	7
NGC 1073	28	NGC 2359	31	NGC 4051	41
NGC 1097	53	NGC 2360	31, 71	NGC 4064	35
NGC 1232	51	NGC 2362	31, 89	NGC 4088	107
NGC 1275	83	NGC 2366	19	NGC 4111	40, 41
NGC 129	22	NGC 2371	55	NGC 4125	49, 109
NGC 1300	51	NGC 2374	31, 71	NGC 4143	40
NGC 1316	53	NGC 2392	55	NGC 4145	41
NGC 134	91	NGC 2395	55	NGC 4147	35
NGC 1342	83, 84	NGC 2403	19	NGC 4151	40
NGC 1360	52	NGC 2419	67	NGC 4214	40
NGC 1365	53	NGC 2420	55	NGC 4216	112
NGC 1407	51	NGC 2423	88	NGC 4236	49
NGC 1435	104	NGC 246	29	NGC 4242	41
NGC 147	23	NGC 2467	31, 89	NGC 4244	40
NGC 1491	85	NGC 247	29, 90	NGC 4261	112
NGC 1499	84	NGC 253	29, 90	NGC 4274	36
NGC 1501	19	NGC 2549	68	NGC 4293	35
NGC 1502	19	NGC 255	29	NGC 4361	38
NGC 1514	104	NGC 2681	108	NGC 4365	112
NGC 1528	85	NGC 2683	68	NGC 4395	36
NGC 1535	51	NGC 2693	108	NGC 4414	36
NGC 1545	85	NGC 2775	33	NGC 4435	112
NGC 1555	104	NGC 2805	107	NGC 4437	112
NGC 1582	85	NGC 281	22	NGC 4438	112
NGC 1647	103	NGC 2832	68	NGC 4449	40, 41
NGC 1744	65	NGC 2841	108	NGC 4450	35
NGC 1746	103	NGC 2859	68	NGC 4490	40, 41
NGC 1848	21	NGC 288	29, 90	NGC 4494	36
NGC 185	23	NGC 2903	63	NGC 45	90
NGC 188	24	NGC 2976	107	NGC 4526	112
NGC 1893	15	NGC 300	91	NGC 4527	112
NGC 1907	15	NGC 3077	107	NGC 4535	112
NGC 1931	15	NGC 3079	108	NGC 4536	112
NGC 1977	77	NGC 3115	98	NGC 4559	36
NGC 1981	77	NGC 3162	63	NGC 4565	36
NGC 1999	77	NGC 3184	108	NGC 4568	112
NGC 2022	78	NGC 3190	63	NGC 457	22
NGC 2024	77	NGC 3198	108	NGC 4605	109
NGC 2071	77	NGC 3227	63	NGC 4627	36, 41
NGC 210	29	NGC 3239	63	NGC 4631	41
NGC 2124	65	NGC 3242	60	NGC 4636	112
NGC 2129	54	NGC 3310	107	NGC 4656	36, 41
NGC 2141	72, 78	NGC 3319	108	NGC 4666	112
NGC 2158	54	NGC 3338	62	NGC 4697	111
NGC 2162	37	NGC 3423	64	NGC 4699	111
NGC 2169	78	NGC 3448	107	NGC 470	87
NGC 2175	54, 78	NGC 3521	64	NGC 4725	36
NGC 2194	72, 78	NGC 3605	63	NGC 474	27, 28, 87
NGC 2232	72	NGC 3614	108	NGC 4754	112
NGC 2237-9	72	NGC 3626	63	NGC 4762	112
NGC 2242	16	NGC 3628	63	NGC 488	28, 87
NGC 225	22	NGC 3631	107	NGC 4889	36

Kat. číslo	str.	Kat. číslo	str.	Kat. číslo	str.
NGC 5005	40, 41	NGC 659	21, 22	NGC 7479	80, 81
NGC 5033	40, 41	NGC 660	86	NGC 7510	26
NGC 5053	34	NGC 6624	93, 102	NGC 752	8
NGC 5078	59	NGC 663	21, 22	NGC 7600	13
NGC 5204	106	NGC 6633	76	NGC 7606	13
NGC 524	28, 87	NGC 6645	101	NGC 7619	81
NGC 5248	17	NGC 6652	102	NGC 7626	80
NGC 5297	40	NGC 6664	94	NGC 7635	22
NGC 5375	39	NGC 6683	94	NGC 7640	8
NGC 5466	39	NGC 6712	94	NGC 7662	8
NGC 5474	106	NGC 672	105	NGC 772	14, 86
NGC 5496	113	NGC 6738	10	NGC 7741	81
NGC 55	29, 91	NGC 6749	10	NGC 7743	81, 82
NGC 5556	60	NGC 6751	9	NGC 7762	22, 25
NGC 5584	113	NGC 6755	10	NGC 7788	22
NGC 559	21, 22	NGC 6756	10	NGC 7790	22
NGC 5634	113	NGC 6760	10	NGC 7793	91
NGC 5694	60	NGC 6765	44, 69	NGC 7814	82
NGC 5746	113	NGC 6781	10	NGC 7822	25
NGC 5866	48	NGC 6791	70	NGC 869	84
NGC 5897	66	NGC 6802	114	NGC 884	84
NGC 5907	48	NGC 6803	10	NGC 891	8, 83
NGC 5921	96	NGC 6804	10	NGC 908	30
NGC 5958	37	NGC 6811	44	NGC 925	105
NGC 5964	96	NGC 6814	9	NGC 956	8
NGC 5985	48	NGC 6818	102	Pal 10	100
NGC 5989	48	NGC 6822	102	Pal 11	9
NGC 6027	96	NGC 6826	44	Pal 12	20
NGC 6068	110	NGC 6834	44	Pal 5	96
NGC 6085	37	NGC 6866	44	Pal 8	95, 101
NGC 6086	37	NGC 6871	42	PK 164+31.1	68
NGC 609	21	NGC 6883	42	PK 357+7.1	75
NGC 6118	73, 97	NGC 6884	44	PK 64+5.1	44
NGC 613	91	NGC 6885	115	PK 80-6.1	45
NGC 6144	75, 92	NGC 6886	42, 99, 114	Ru 1	71
NGC 6210	57	NGC 6905	46	Sh1 - 118	22
NGC 6217	110	NGC 6934	47	Sh2 - 155	26
NGC 6229	57	NGC 6939	25, 26, 43	Sh2 - 276	77
NGC 6284	75	NGC 6940	115	Sh2 - 282	72
NGC 6293	75	NGC 6946	25, 26, 43	Shane 1	73, 97
NGC 6304	75	NGC 6951	26	SL 28	93
NGC 6309	74, 75	NGC 6960	45, 115	Steph 1	70
NGC 6316	75	NGC 6992-5	45, 115	Stock 1	114
NGC 6355	75	NGC 700	43	Stock 2	21
NGC 6356	75	NGC 7006	47	Stock 6	18
NGC 6440	75	NGC 7008	43	Tombaugh 5	19
NGC 6441	93	NGC 7009	12	Tr 2	84
NGC 6445	101	NGC 7013	45	UGC 10822	50
NGC 6480	93	NGC 7023	26	UGC 12613	80, 82
NGC 6503	49	NGC 7026	43	UGC 12632	8
NGC 6517	74	NGC 7027	43	UGC 3580	19
NGC 6520	102	NGC 7048	43	UGC 9749	110
NGC 6522	93, 102	NGC 7063	45	UGCA 205	98
NGC 6528	102	NGC 7082	61	vdB 24	84
NGC 6530	101	NGC 7129	26		
NGC 6535	76, 97	NGC 7209	61		
NGC 6537	95	NGC 7217	80		
NGC 6539	74	NGC 7243	61		
NGC 654	21, 22	NGC 7293	12		
NGC 6543	49	NGC 7317-20	80		
NGC 6544	101, 102	NGC 7331	80		
NGC 6553	102	NGC 7354	26		
NGC 6569	93, 102	NGC 7377	12		
NGC 6572	76	NGC 7380	22, 26		

Rejstříky

Součástí *Deep Sky Atlasu 2007* je soubor rejstříků, ve kterých jsou k objektům na jednotlivých mapových listech uvedeny souřadnice (rektascenze, deklinace), katalogová čísla v několika různých katalozích, velikost objektu v obloukových minutách, magnituda, povrchová jasnost a zkrácený popis objektu pomocí dreyerova systému.

Ze základního souboru byly dále pro snazší orientaci vybrány objekty některých často používaných katalogů a to Messierova, Caldwellova a RASC. Pro úplnost je uveden i seznam pojmenovaných objektů, které se na mapách vyskytují.

Je zde též uveden přehled s vysvětlivkami k dreyerovu systému zkratk, používaných při popisu objektů v rejstříku.

Vysvětlivky k použitým zkratkám

CAT I	katalog
NO	katalogové číslo
CAT II	označení v alternativním katalogu
TYPE	typ objektu
CON	souhvězdí
RA	rektascenze
DE	deklinace
SIZE	úhlový rozměr v obloukových minutách
MAG	magnituda
SBR	povrchová jasnost
DESC	popis objektu (Dreyerova notace)
NAME	jméno objektu (u pojmenovaných objektů)
M	katalogové číslo Messierova katalogu
C	katalogové číslo Caldwellova katalogu
R	katalogové číslo RASC
H	katalogové číslo katalogu Herschell 400
Nb	mlhovina (difuzní, emisní)
Pl	planetární mlhovina
Drk	temná mlhovina
C+N	hvězdokupa s mlhovinou
Oc	otevřená hvězdokupa
Gb	kulová hvězdokupa
Gcl	kupa galaxií
Gx	galaxie

Dreyerův systém zkratek

Dreyerův systém zkratek je subjektivní systém označení vlastností pozorovaného objektu jako jsou např. jasnost, velikost a tvar. Některá spojení nebylo zcela jednoduché patřičně přeložit do češtiny tak, aby byla zcela zřejmá intenzita výrazu, proto byl do tabulek pro snazší orientaci přidán sloupec **Int**, vyjadřující míru dané vlastnosti.

Nejpoužívanější zkratky

Kód	Jasnost		Int
eF	excessively faint	extrémně slabý	-5
vF	very faint	značně slabý	-4
F	faint	velmi slabý	-3
cF	considerably faint	celkem slabý	-2
pF	pretty faint	slabý	-1
pB	pretty bright	jasný	1
cB	considerably bright	celkem jasný	2
B	bright	velmi jasný	3
vB	very bright	značně jasný	4
eB	extremely bright	extrémně jasný	5
Kód	Velikost		Int
eS	excessively small	extrémně malý	-5
vS	very small	značně malý	-4
S	small	velmi malý	-3
cS	considerably small	celkem malý	-2
pS	pretty small	malý	-1
pL	pretty large	velký	1
cL	considerably large	celkem velký	2
L	large	velmi velký	3
vL	very large	značně velký	4
eL	extremely large	extrémně velký	5
Kód	Tvar		Int
R	round	kulatý	1
vIE	very little extended	velmi málo protáhlý	2
E	elliptic or oval	eliptický nebo oválný	3
cE	considerably extended	značně protáhlý	4
pmE	pretty much extended	celkem protáhlý	5
mE	much extended	hodně protáhlý	6
vmE	very much extended	velmi hodně protáhlý	7
eE	extremely extended	extrémně protáhlý	8

Kompletní seznam zkratk používaný v Dreyerově notaci

Kód	Popis	
<i>Ab</i>	about	přibližně
<i>alm</i>	almost	skoro
<i>am</i>	among	mezi
<i>app</i>	appended	připojený
<i>att</i>	attached	připojený
<i>b</i>	brighter	jasnější
<i>be</i>	between	mezi
<i>biN</i>	binuclear	dvojaderný
<i>bn</i>	brightest towards the north side	jasnější směrem k severu
<i>bs</i>	brightest towards the south side	jasnější směrem k jihu
<i>bp</i>	brightest towards the preceding side	jasnější před
<i>bf</i>	brightest towards the following side	jasnější za
<i>B</i>	bright	jasný
<i>c</i>	considerably	značně
<i>ch</i>	chevelure	?
<i>co</i>	coarse, coarsely	hrubý, hrubě
<i>com</i>	cometic	kometární
<i>cont</i>	in contact	v kontaktu
<i>C</i>	compressed	stlačený
<i>C.G.H.</i>	Cape of Good Hope	Mys dobré naděje ?
<i>Cl</i>	cluster	shluk, kupa
<i>d</i>	diameter	průměr
<i>def</i>	defined	stanovený, definovaný
<i>dif</i>	diffused	difuzní
<i>diffic</i>	difficult	obtížný
<i>dist</i>	distance or distant	vzdálenost, vzdálený
<i>D</i>	double	dvojitý
<i>e</i>	extremely, excessively	nadměrně
<i>ee</i>	most extremely	nejextréměji
<i>er</i>	easily resolvable	snadno rozlišitelný
<i>exc</i>	'excentric'	výstřední, excentrický
<i>E</i>	extended	protáhlý, rozšířený
<i>f</i>	following	následující
<i>F</i>	faint	slabý
<i>g</i>	gradually	postupně
<i>gr</i>	group	skupina
<i>i</i>	irregular	nepravidelný
<i>inv</i>	involved, involving	zahrnutý, zahrnující
<i>iF</i>	irregular figure	nepravidelný tvar
<i>l</i>	little or long	málo nebo dlouhý
<i>L</i>	large	velký
<i>m</i>	much	mnoho
<i>mm</i>	mixed magnitudes	různé magnitudy
<i>mn</i>	milky nebulosity	mléčná mlhovina
<i>M</i>	middle, or in the middle	střed, ve středu

Kompletní seznam zkratk používaný v Dreyerově notaci

Kód	Popis	
<i>n</i>	north	sever
<i>neb</i>	nebula	mlhovina
<i>nf</i>	north following	následující k severu
<i>np</i>	north preceding	předcházející severu
<i>nr</i>	near	blízko
<i>N</i>	Nucleus, or to a Nucleus	jádro
<i>p</i>	pretty (before F,B,L,S)	dost (ve spojení s F,B,L,S)
<i>p</i>	preceding	předcházející severu
<i>pg</i>	pretty gradually	celkem postupně
<i>pm</i>	pretty much	celkem mnoho
<i>ps</i>	pretty suddenly	celkem najednou
<i>P</i>	poor	slabý
<i>quad</i>	quadrilateral	čtyřstranný
<i>quar</i>	quartile	čtvrtina
<i>r</i>	resolvable (mottled,not resolved)	skvrnitý
<i>rr</i>	partially resolved (some stars seen)	částečně rozlišitelný
<i>rrr</i>	well resolved, clearly consisting of stars	dobře rozlišitelný
<i>R</i>	round	okrouhlý
<i>RR</i>	exactly round	kruhový
<i>Ri</i>	rich	bohatý
<i>s</i>	suddenly	náhle
<i>s</i>	south	jih
<i>sp</i>	south preceding	předcházející jihu
<i>sf</i>	south following	následující jih
<i>sc</i>	scattered	rozptýlený
<i>st</i>	stars	hvězdy
<i>sev</i>	several	několik
<i>susp</i>	suspected	předpokládaný, tušený
<i>sh</i>	shaped	zformovaný
<i>stell</i>	stellar	hvězdný
<i>S</i>	small	malý
<i>sm</i>	smaller	menší
<i>triN</i>	trinuclear	trojjaderný
<i>trap</i>	trapezium	lichoběžník
<i>v</i>	very	velmi
<i>vv</i>	very, very	velmi, velmi
<i>*</i>	a star: *10, a star of 10th magnitude	hvězda, hvězda 10 magnitudy
<i>var</i>	variable	proměnný
<i>**</i>	double star	dvojhvězda
<i>***</i>	triple star	trojhvězda
<i>!</i>	remarkable	významný
<i>!!</i>	very remarkable	velmi významný
<i>!!!</i>	a magnificent or otherwise interesting object	velmi významný nebo jinak zajímavý objekt
<i>st 9</i>	stars from the 9th magnitude downwards	hvězdy od 9 mag. Niže
<i>st 9 13</i>	stars from the 9th to 13th magnitude	hvězdy mezi 9-13 mag

Seznam objektů Messierova katalogu

M CAT	TYPE	CON	RA	DE	SIZE	MAG	SBR	NAME	
1 NGC	1952	Nb	Tau	5h34m30.00s	+22°01'00.0"	8.0'x4.0'	8.4	11.00	Crab nebula
2 NGC	7089	Gb	Aqr	21h33m30.00s	-00°49'00.0"	11.7'x 11.7'	6.5	11.00	
3 NGC	5272	Gb	CVn	13h42m12.00s	+28°23'00.0"	18.6'x 18.6'	6.4	11.00	
4 NGC	6121	Gb	Sco	16h23m36.00s	-26°32'00.0"	26.3'x 26.3'	5.9	12.00	
5 NGC	5904	Gb	Ser	15h18m36.00s	+02°05'00.0"	19.9'x 19.9'	5.8	11.00	Butterfly cluster
6 NGC	6405	OC	Sco	17h40m18.00s	-32°15'00.0"	20.0'x 20.0'	4.2	10.00	
7 NGC	6475	OC	Sco	17h53m54.00s	-34°48'00.0"	80.0'x 80.0'	3.3	12.00	
8 NGC	6523	C+N	Sgr	18h03m42.00s	-24°23'00.0"	45.0'x 30.0'	5.0	13.00	
9 NGC	6333	Gb	Oph	17h19m12.00s	-18°31'00.0"	5.5'x5.5'	7.9	11.00	Lagoon nebula
10 NGC	6254	Gb	Oph	16h57m06.00s	-04°06'00.0"	12.2'x 12.2'	6.6	12.00	
11 NGC	6705	OC	Sct	18h51m06.00s	-06°16'00.0"	14.0'x 14.0'	5.8	9.00	
12 NGC	6218	Gb	Oph	16h47m12.00s	-01°57'00.0"	14.5'x 14.5'	6.6	12.00	
13 NGC	6205	Gb	Her	16h41m42.00s	+36°28'00.0"	23.2'x 23.2'	5.9	12.00	Wild duck cluster
14 NGC	6402	Gb	Oph	17h37m36.00s	-03°15'00.0"	6.7'x6.7'	7.6	12.00	
15 NGC	7078	Gb	Peg	21h30m00.00s	+12°10'00.0"	12.3'x 12.3'	6.4	11.00	
16 NGC	6611	C+N	Ser	18h18m48.00s	-13°47'00.0"	7.0'x7.0'	6.0	12.00	
17 NGC	6618	C+N	Sgr	18h20m48.00s	-16°11'00.0"	11.0'x 11.0'	6.0	13.00	Great hercules cluster
18 NGC	6613	OC	Sgr	18h19m54.00s	-17°08'00.0"	9.0'x9.0'	6.9	12.00	
19 NGC	6273	Gb	Oph	17h02m36.00s	-26°16'00.0"	5.3'x5.3'	7.2	11.00	
20 NGC	6514	C+N	Sgr	18h02m42.00s	-22°58'00.0"	28.0'x 28.0'	6.3	13.00	
21 NGC	6531	OC	Sgr	18h04m12.00s	-22°29'00.0"	13.0'x 13.0'	5.9	11.00	Trifid nebula
22 NGC	6656	Gb	Sgr	18h36m24.00s	-23°54'00.0"	24.0'x 24.0'	5.1	11.00	
23 NGC	6495	OC	Sgr	17h57m06.00s	-18°59'00.0"	27.0'x 27.0'	5.5	13.00	
24 IC	4715	OC	Sgr	18h26m36.00s	-18°23'00.0"	95.0'x 35.0'	3.1	4.30	
25 IC	4725	OC	Sgr	18h31m48.00s	-19°07'00.0"	29.0'x 29.0'	4.6	12.00	Dumbbell nebula
26 NGC	6694	OC	Sct	18h45m12.00s	-09°24'00.0"	15.0'x 15.0'	8.0	12.00	
27 NGC	6853	PI	Vul	19h59m36.00s	+22°43'00.0"	8.0'x5.7'	7.3	11.20	
28 NGC	6626	Gb	Sgr	18h24m30.00s	-24°52'00.0"	15.0'x 15.0'	6.9	11.00	
29 NGC	6913	OC	Cyg	20h23m54.00s	+38°32'00.0"	7.0'x7.0'	6.6	11.00	Pinwheel galaxy
30 NGC	7099	Gb	Cap	21h40m24.00s	-23°11'00.0"	8.9'x8.9'	7.5	11.00	
31 NGC	224	Gx	And	0h42m42.00s	+41°16'00.0"	189.1'x 61.7'	3.4	13.50	
32 NGC	221	Gx	And	0h42m42.00s	+40°51'60.0"	8.5'x6.5'	8.1	12.40	
33 NGC	598	Gx	Tri	1h33m54.00s	+30°39'00.0"	68.7'x 41.6'	5.7	14.20	Beehive cluster
34 NGC	1039	OC	Per	2h42m06.00s	+42°47'00.0"	35.0'x 35.0'	5.2	12.66	
35 NGC	2168	OC	Gem	6h08m12.00s	+24°22'00.0"	28.0'x 28.0'	5.1	12.00	
36 NGC	1960	OC	Aur	5h36m18.00s	+34°08'00.0"	12.0'x 12.0'	6.0	12.00	
37 NGC	2099	OC	Aur	5h52m18.00s	+32°33'00.0"	24.0'x 24.0'	5.6	11.00	Whirlpool galaxy
38 NGC	1912	OC	Aur	5h28m42.00s	+35°50'60.0"	21.0'x 21.0'	6.4	12.00	
39 NGC	7092	OC	Cyg	21h32m12.00s	+48°26'00.0"	32.0'x 32.0'	4.6	11.00	
40		D*	UMa	12h21m54.00s	+58°05'60.0"	>0.1'	8.7	8.70	
41 NGC	2287	OC	CMa	6h46m00.00s	-20°45'00.0"	38.0'x 38.0'	4.5	12.00	Ring nebula
42 NGC	1976	C+N	Ori	5h35m18.00s	-05°23'00.0"	90.0'x 60.0'	4.0	11.00	
43 NGC	1982	Nb	Ori	5h35m30.00s	-05°16'00.0"	20.0'x 15.0'	9.0	13.00	
44 NGC	2632	OC	Cnc	8h40m00.00s	+19°40'00.0"	95.0'x 95.0'	3.1	13.00	
45 Mel	22	C+N	Tau	3h47m00.00s	+24°07'00.0"	100.0'x100.0'	1.2	11.00	Black eye galaxy
46 NGC	2437	OC	Pup	7h41m48.00s	-14°49'00.0"	27.0'x 27.0'	6.1	13.00	
47 NGC	2422	OC	Pup	7h36m36.00s	-14°29'00.0"	30.0'x 30.0'	4.4	11.00	
48 NGC	2548	OC	Hya	8h13m48.00s	-05°48'00.0"	54.0'	5.8	14.20	
49 NGC	4472	Gx	Vir	12h29m48.00s	+08°00'00.0"	9.8'x8.2'	8.4	13.20	Sunflower galaxy
50 NGC	2323	OC	Mon	7h02m30.00s	-08°23'00.0"	16.0'x 16.0'	5.9	12.00	
51 NGC	5194	Gx	CVn	13h29m54.00s	+47°12'00.0"	10.8'x6.6'	8.4	12.90	
52 NGC	7654	OC	Cas	23h24m12.00s	+61°35'00.0"	13.0'x 13.0'	6.9	12.00	
53 NGC	5024	Gb	Com	13h12m54.00s	+18°10'00.0"	14.4'x 14.4'	7.7	12.00	Black eye galaxy
54 NGC	6715	Gb	Sgr	18h55m06.00s	-30°29'00.0"	9.1'x9.1'	7.7	11.00	
55 NGC	6809	Gb	Sgr	19h40m00.00s	-30°58'00.0"	19.0'x 19.0'	7.0	13.00	
56 NGC	6779	Gb	Lyr	19h16m36.00s	+30°11'00.0"	5.0'x5.0'	8.3	12.00	
57 NGC	6720	PI	Lyr	18h53m36.00s	+33°02'00.0"	1.4'x1.0'	9.4	9.30	Black eye galaxy
58 NGC	4579	Gx	Vir	12h37m42.00s	+11°49'00.0"	6.0'x4.8'	9.7	13.10	
59 NGC	4621	Gx	Vir	12h42m00.00s	+11°39'00.0"	5.3'x4.0'	9.6	12.90	
60 NGC	4649	Gx	Vir	12h43m42.00s	+11°33'00.0"	7.6'x6.2'	8.8	12.90	
61 NGC	4303	Gx	Vir	12h21m54.00s	+04°28'00.0"	6.5'x5.9'	9.6	13.40	Black eye galaxy
62 NGC	6266	Gb	Oph	17h01m12.00s	-30°07'00.0"	14.1'x 14.1'	6.6	11.00	
63 NGC	5055	Gx	CVn	13h15m48.00s	+42°02'00.0"	12.6'x7.5'	8.6	13.30	
64 NGC	4826	Gx	Com	12h56m42.00s	+21°41'00.0"	10.3'x5.0'	8.5	12.70	

M CAT	NO	TYPE	CON	RA	DE	SIZE	MAG	SBR	NAME
65 NGC	3623	Gx	Leo	11h18m54.00s	+13°05'00.0"	9.0'x2.3'	9.3	12.80	
66 NGC	3627	Gx	Leo	11h20m12.00s	+13°00'00.0"	9.1'x4.1'	8.9	12.70	
67 NGC	2682	OC	Cnc	8h50m48.00s	+11°49'00.0"	30.0'x 30.0'	6.9	13.00	
68 NGC	4590	Gb	Hya	12h39m30.00s	-26°45'00.0"	9.8'x9.8'	8.2	13.00	
69 NGC	6637	Gb	Sgr	18h31m24.00s	-32°20'00.0"	7.1'x7.1'	7.7	11.00	
70 NGC	6681	Gb	Sgr	18h43m12.00s	-32°18'00.0"	7.8'x7.8'	8.1	11.00	
71 NGC	6838	Gb	Sge	19h53m48.00s	+18°47'00.0"	6.1'x6.1'	8.3	12.00	
72 NGC	6981	Gb	Aqr	20h53m30.00s	-12°32'00.0"	5.9'x5.9'	9.4	12.00	
73 NGC	6994	OC	Aqr	20h59m00.00s	-12°38'00.0"	2.8'x2.8'	8.9	10.88	
74 NGC	628	Gx	Psc	1h36m42.00s	+15°47'00.0"	10.0'x9.4'	9.4	14.20	
75 NGC	6864	Gb	Sgr	20h06m06.00s	-21°55'00.0"	6.0'x6.0'	8.6	11.00	
76 NGC	651	PI	Per	1h42m18.00s	+51°35'00.0"	2.7'x1.8'	11.0	10.40	Little Dumbbell nebula
77 NGC	1068	Gx	Cet	2h42m42.00s	-00°01'00.0"	7.3'x6.3'	8.9	12.80	
78 NGC	2068	Nb	Ori	5h46m48.00s	+00°05'00.0"	8.0'x6.0'	8.0	12.00	inv
79 NGC	1904	Gc	Lep	5h24m30.00s	-24°33'00.0"	8.7'	8.0	12.44	
80 NGC	6093	Gb	Sco	16h17m00.00s	-22°59'00.0"	5.1'x5.1'	7.2	11.00	
81 NGC	3031	Gx	UMa	9h55m36.00s	+69°04'00.0"	24.9'x 11.5'	6.9	13.20	Bode's nebula
82 NGC	3034	Gx	UMa	9h55m54.00s	+69°41'00.0"	10.5'x5.1'	8.4	12.50	
83 NGC	5236	Gx	Hya	13h37m00.00s	-29°52'00.0"	13.1'x 12.2'	7.5	12.80	
84 NGC	4374	Gx	Vir	12h25m06.00s	+12°53'00.0"	6.7'x6.0'	9.1	13.00	
85 NGC	4382	Gx	Com	12h25m24.00s	+18°11'00.0"	7.4'x5.9'	9.1	12.90	
86 NGC	4406	Gx	Vir	12h26m12.00s	+12°57'00.0"	9.8'x6.3'	8.9	13.20	
87 NGC	4486	Gx	Vir	12h30m48.00s	+12°23'00.0"	8.7'x6.6'	8.6	13.00	
88 NGC	4501	Gx	Com	12h32m00.00s	+14°25'00.0"	6.8'x3.7'	9.6	13.00	
89 NGC	4552	Gx	Vir	12h35m42.00s	+12°33'00.0"	5.3'x4.8'	9.8	13.20	
90 NGC	4569	Gx	Vir	12h36m48.00s	+13°10'00.0"	9.9'x4.4'	9.5	13.40	
91 NGC	4548	Gx	Com	12h35m24.00s	+14°30'00.0"	5.2'x4.2'	10.1	13.40	
92 NGC	6341	Gb	Her	17h17m06.00s	+43°08'00.0"	11.2'x 11.2'	6.5	11.00	
93 NGC	2447	OC	Pup	7h44m30.00s	-23°51'00.0"	22.0'x 22.0'	6.2	12.00	
94 NGC	4736	Gx	CVn	12h50m54.00s	+41°06'00.0"	12.3'x 10.8'	8.2	13.10	
95 NGC	3351	Gx	Leo	10h44m00.00s	+11°42'00.0"	7.3'x4.4'	9.7	13.50	
96 NGC	3368	Gx	Leo	10h46m48.00s	+11°49'00.0"	7.8'x5.2'	9.3	13.10	
97 NGC	3587	PI	UMa	11h14m48.00s	+55°01'00.0"	3.4'x3.3'	11.0	12.10	Owl nebula
98 NGC	4192	Gx	Com	12h13m48.00s	+14°54'00.0"	9.4'x2.3'	10.1	13.60	
99 NGC	4254	Gx	Com	12h18m48.00s	+14°25'00.0"	5.3'x4.6'	9.9	13.20	Pinwheel nebula
100 NGC	4321	Gx	Com	7h06m00.00s	+50°45'00.0"	1.4'x1.1'	13.6	13.90	
101 NGC	5457	Gx	UMa	14h03m12.00s	+54°20'00.0"	28.5'x 28.3'	7.9	14.90	
103 NGC	581	OC	Cas	1h33m24.00s	+60°39'00.0"	6.0'x6.0'	7.4	11.00	
104 NGC	4594	Gx	Vir	12h40m00.00s	-11°37'00.0"	8.6'x4.2'	8.0	11.60	Sombrero galaxy
105 NGC	3379	Gx	Leo	10h47m48.00s	+12°34'00.0"	4.5'	9.3	12.31	
106 NGC	4258	Gx	CVn	12h19m00.00s	+47°18'00.0"	17.4'x6.6'	8.4	13.60	
107 NGC	6171	Gb	Oph	16h32m30.00s	-13°03'00.0"	3.3'x3.3'	8.1	12.00	
108 NGC	3556	Gx	UMa	11h11m30.00s	+55°40'00.0"	8.6'x2.4'	10.0	13.10	
109 NGC	3992	Gx	UMa	11h57m36.00s	+53°21'00.0"	7.5'x4.4'	9.8	13.60	
110 NGC	205	Gx	And	0h40m24.00s	+41°41'00.0"	19.5'x 11.5'	8.1	14.00	

Seznam objektů Caldwellova katalogu

C CAT I	NO	TYPE	CON	RA	DE	SIZE	MAG	SBR	NAME
1 NGC	188	OC	Cep	0h47m30.00s	+85°13'60.0"	14.0'x 14.0'	8.1	13.57	
2 NGC	40	PI	Cep	0h13m00.00s	+72°31'00.0"	1.0'x0.7'	10.7	7.30	
3 NGC	4236	Gx	Dra	12h16m42.00s	+69°28'00.0"	22.6'x6.9'	9.6	15.00	
4 NGC	7023	C+N	Cep	21h00m30.00s	+68°09'60.0"	5.0'x5.0'	7.1	10.33	
5 IC	342	Gx	Cam	3h46m48.00s	+68°05'60.0"	20.9'x 20.4'	12.0	14.90	
6 NGC	6543	PI	Dra	17h58m36.00s	+66°37'60.0"	0.4'x0.3'	8.3	5.00	Cat's eye nebula
7 NGC	2403	Gx	Cam	7h36m48.00s	+65°35'60.0"	23.4'x 11.8'	8.5	14.40	
8 NGC	559	OC	Cas	1h29m30.00s	+63°19'00.0"	4.4'x4.4'	9.5	12.46	
9 Sh	2-155	Nb	Cep	22h56m48.00s	+62°36'60.0"	50.0'x 30.0'			Cave nebula
10 NGC	663	OC	Cas	1h46m00.00s	+61°15'00.0"	16.0'x 16.0'	7.1	12.86	
11 NGC	7635	Nb	Cas	23h20m12.00s	+61°11'00.0"	15.0'x8.0'	11.0	15.94	Bubble nebula
12 NGC	6946	Gx	Cep	20h34m54.00s	+60°09'00.0"	11.2'x9.8'	8.8	13.80	
13 NGC	457	OC	Cas	1h19m30.00s	+58°17'00.0"	13.0'x 13.0'	6.4	11.71	Owl cluster
14 NGC	869	OC	Per	2h19m06.00s	+57°08'00.0"	30.0'x 30.0'	5.3	12.43	h Persei
14 NGC	884	OC	Per	2h22m30.00s	+57°09'00.0"	30.0'x 30.0'	6.1	13.23	chi Persei
15 NGC	6826	PI	Cyg	19h44m48.00s	+50°32'00.0"	0.4'x0.4'	8.8	6.90	Blinking nebula
16 NGC	7243	OC	Lac	22h15m06.00s	+49°54'00.0"	21.0'x 21.0'	6.4	12.75	
17 NGC	147	Gx	Cas	0h33m12.00s	+48°30'00.0"	13.5'x8.2'	9.5	14.50	
18 NGC	185	Gx	Cas	0h39m00.00s	+48°20'00.0"	12.5'x 10.4'	9.2	14.30	
19 IC	5146	C+N	Cyg	21h53m24.00s	+47°16'00.0"	20.0'x 10.0'	10.0	15.49	Cocoon nebula
20 NGC	7000	Nb	Cyg	21h01m48.00s	+44°12'00.0"	120.0'x 30.0'	4.0	12.63	North America nebula
21 NGC	4449	Gx	CVn	12h28m12.00s	+44°05'60.0"	6.2'x4.9'	9.6	13.00	
22 NGC	7662	PI	And	23h25m54.00s	+42°32'00.0"	0.3'x0.2'	8.6	5.60	Blue snowball
23 NGC	891	Gx	And	2h22m36.00s	+42°20'60.0"	13.1'x2.8'	9.9	13.60	
24 NGC	1275	Gx	Per	3h19m48.00s	+41°31'00.0"	2.3'x1.6'	11.9	13.10	Perseus A
25 NGC	2419	Gb	Lyn	7h38m06.00s	+38°53'00.0"	6.2'x6.2'	10.4	14.10	Intergalactic wanderer
26 NGC	4244	Gx	CVn	12h17m30.00s	+37°48'00.0"	15.9'x1.8'	10.4	14.00	
27 NGC	6888	Nb	Cyg	20h12m48.00s	+38°19'00.0"	20.0'x 10.0'	10.0	15.49	Crescent nebula
28 NGC	752	OC	And	1h57m42.00s	+37°40'00.0"	50.0'x 50.0'	5.7	13.93	
29 NGC	5005	Gx	CVn	13h10m54.00s	+37°03'00.0"	5.8'x2.9'	9.8	12.70	
30 NGC	7331	Gx	Peg	22h37m06.00s	+34°25'00.0"	10.2'x4.2'	9.5	13.30	
31 IC	405	Nb	Aur	5h16m30.00s	+34°20'60.0"	50.0'x 30.0'	10.0	17.68	Flaming star nebula
32 NGC	4631	Gx	CVn	12h42m06.00s	+32°32'00.0"	15.2'x2.8'	9.2	13.10	
33 NGC	6992	Nb	Cyg	20h56m24.00s	+31°43'00.0"	60.0'x8.0'	7.0	13.44	Eastern veil
34 NGC	6960	Nb	Cyg	20h45m42.00s	+30°43'00.0"	70.0'			Western veil (cirrus nebula)
35 Abell	1656	Gcl	Com	12h59m48.00s	+27°59'00.0"	157.0'x157.0'	11.0	21.72	Coma cluster
36 NGC	4559	Gx	Com	12h36m00.00s	+27°58'00.0"	11.0'x4.9'	10.0	14.00	
37 NGC	6885	OC	Vul	20h11m54.00s	+26°29'00.0"	7.0'x7.0'	8.1	12.07	
38 NGC	4565	Gx	Com	12h36m18.00s	+25°59'00.0"	14.9'x2.0'	9.6	13.30	
39 NGC	2392	PI	Gem	7h29m12.00s	+20°55'00.0"	0.8'x0.7'	8.6	6.80	Eskimo nebula
40 NGC	3626	Gx	Leo	11h20m06.00s	+18°21'00.0"	3.2'x2.4'	11.0	12.60	
42 NGC	7006	Gb	Del	21h01m30.00s	+16°11'00.0"	2.8'x2.8'	10.6	12.58	
43 NGC	7814	Gx	Peg	0h03m12.00s	+16°09'00.0"	4.7'x2.4'	10.6	13.20	
44 NGC	7479	Gx	Peg	23h04m54.00s	+12°19'00.0"	4.0'x3.1'	10.9	13.40	
45 NGC	5248	Gx	Boo	13h37m30.00s	+08°53'00.0"	5.9'x4.5'	10.3	13.80	
47 NGC	6934	Gb	Del	20h34m12.00s	+07°24'00.0"	2.0'x2.0'	8.9	10.15	
48 NGC	2775	Gx	Cnc	9h10m18.00s	+07°02'00.0"	4.5'x3.6'	10.1	12.90	
51 IC	1613	Gx	Cet	1h04m54.00s	+02°08'00.0"	16.6'x 14.9'	9.2	15.00	
52 NGC	4697	Gx	Vir	12h48m36.00s	-05°48'00.0"	6.2'x4.5'	9.2	13.10	
53 NGC	3115	Gx	Sex	10h05m12.00s	-07°43'00.0"	7.3'x3.4'	8.9	11.90	Spindle galaxy
55 NGC	7009	PI	Aqr	21h04m12.00s	-11°22'00.0"	0.5'x0.4'	8.3	6.20	Saturnn nebula
56 NGC	246	PI	Cet	0h47m06.00s	-11°52'00.0"	4.0'x3.5'	8.5	13.50	
57 NGC	6822	Gx	Sgr	19h44m54.00s	-14°48'00.0"	15.4'x 14.2'	8.8	14.50	Barnard's galaxy
58 NGC	2360	OC	CMa	7h17m42.00s	-15°38'00.0"	13.0'x 13.0'	7.2	12.51	
59 NGC	3242	PI	Hya	10h24m48.00s	-18°39'00.0"	0.7'x0.6'	8.6	5.40	Ghost of Jupiter
60 NGC	4038	Gx	Crv	12h01m54.00s	-18°52'60.0"	2.6'	10.7	12.51	Ringtail galaxy
61 NGC	4039	Gx	Crv	12h01m54.00s	-18°52'60.0"	2.6'	10.7	12.51	Antennae
62 NGC	247	Gx	Cet	0h47m06.00s	-20°46'00.0"	21.0'x5.6'	9.1	14.40	
63 NGC	7293	PI	Aqr	22h29m36.00s	-20°50'00.0"	16.0'x 12.0'	6.3	13.60	Helix nebula
64 NGC	2362	OC	CMa	7h18m42.00s	-24°57'00.0"	8.0'x8.0'	4.1	8.36	Tau CMa cluster
65 NGC	253	Gx	ScI	0h47m36.00s	-25°18'00.0"	26.4'x6.0'	7.2	12.70	Sculptor galaxy
66 NGC	5694	Gb	Hya	14h39m36.00s	-26°32'00.0"	3.6'x3.6'	10.2	12.72	
67 NGC	1097	Gx	For	2h46m18.00s	-30°17'00.0"	9.4'x6.6'	9.5	13.80	
70 NGC	300	Gx	ScI	0h54m54.00s	-37°41'00.0"	19.3'x 13.3'	8.1	14.30	
72 NGC	55	Gx	ScI	0h14m54.00s	-39°11'00.0"	31.2'x5.9'	7.9	13.40	

Seznam objektů katalogu Kanadské Královské Astronomické Společnosti (Royal Astronomical Society of Canada - RASC)

R CAT I	NO	TYPE	CON	RA	DE	SIZE	MAG	SBR	NAME
1 NGC	7822	Nb	Cep	0h03m36.00s	+68°37'00.0"	20.0'x4.0'			
2 IC	59	Nb	Cas	0h57m30.00s	+61°09'00.0"	10.0'x5.0'			
3 NGC	609	OC	Cas	1h36m24.00s	+64°32'00.0"	3.0'x3.0'	11.0	13.13	
4 IC	1795	Nb	Cas	2h25m48.00s	+61°59'00.0"	12.0'x 12.0'			
5	Maffei 1	Gx	Cas	2h36m18.00s	+59°39'00.0"	5.0'x3.0'	11.4	10.00	
6 NGC	1049	Gcl	For	2h39m42.00s	-34°16'60.0"	1.2'x 1.2'	12.6	12.74	
7 NGC	1275	Gx	Per	3h19m48.00s	+41°31'00.0"	2.3'x1.6'	11.9	13.10	Perseus A
8 NGC	1432/5	Nb	Tau	3h46m12.00s	+23°46'00.0"	30.0'x 30.0'			
9 IC	342	Gx	Cam	3h46m48.00s	+68°05'60.0"	20.9'x 20.4'	12.0	14.90	
10 NGC	1499	Nb	Per	4h03m12.00s	+36°21'60.0"	160.0'x 40.0'	5.0	14.26	California nebula
11 NGC	1554/5	Nb	Tau	4h21m54.00s	+19°32'00.0"	0.5'x0.5'			Hind's variable nebula
12 IC	405	Nb	Aur	5h16m30.00s	+34°20'60.0"	50.0'x 30.0'	10.0	17.68	Flaming star nebula
14 Sh	2-276	Nb	Ori	Excessively large object					Barnard's loop
15 PK	198- 6.1	PI	Ori	6h02m24.00s	+09°39'00.0"	0.6'x0.6'	13.9	11.30	
16 IC	443	Nb	Gem	6h16m54.00s	+22°46'60.0"	50.0'	12.0	19.99	
18 IC	2177	Nb	Mon	7h05m06.00s	-10°42'00.0"	20.0'x 20.0'			
19 PK	205+14.1	PI	Gem	7h29m00.00s	+13°15'00.0"	10.0'x6.0'	14.1	16.40	Medusa nebula
20 NGC	2419	Gb	Lyn	7h38m06.00s	+38°53'00.0"	6.2'x6.2'	10.4	14.10	Intergalactic wanderer
21 PK	164+31.1	PI	Lyn	7h57m48.00s	+53°25'00.0"	6.7'x6.7'	14.0	17.86	
22 UGC	5470	Gx	Leo	10h08m24.00s	+12°18'00.0"	10.7'x8.3'	10.2	14.80	Leo I
23 Abell	1367	Gcl	Leo	11h44m30.00s	+19°50'00.0"	157.0'x157.0'	14.0	24.72	
25 NGC	4236	Gx	Dra	12h16m42.00s	+69°28'00.0"	22.6'x6.9'	9.6	15.00	
27 3C	273	Gx	Vir	12h29m06.00s	+02°06'00.0"	>0.1'	12.0	11.74	Quasar in virgo
29 Abell	1656	Gcl	Com	12h59m48.00s	+27°59'00.0"	157.0'x157.0'	11.0	21.72	Coma cluster
30 NGC	5053	Gb	Com	13h16m30.00s	+17°42'00.0"	8.9'x8.9'	9.8	14.29	
31 NGC	5897	Gb	Lib	15h17m24.00s	-21°01'00.0"	8.7'x8.7'	8.6	13.04	
32 Abell	2065	Gcl	CrB	15h22m06.00s	+27°39'00.0"	61.0'x 61.0'	14	22.67	
33 NGC	6027	Gx	Ser	15h59m12.00s	+20°46'00.0"	1.9'x1.0'	14.3	11.70	Seyfert's sextet
34 B	72	Nb	Oph	17h23m30.00s	-23°38'00.0"	30.0'x 30.0'			S nebula
35 NGC	6791	OC	Lyr	19h20m42.00s	+37°50'60.0"	16.0'x 16.0'	9.5	15.26	
36 PK	64+ 5.1	PI	Cyg	19h34m48.00s	+30°31'00.0"	0.1'x0.1'	9.6	6.90	Campbell's nebula
37	M 1-92	Nb	Cyg	19h36m18.00s	+29°33'00.0"	0.1'x0.3'	11.7	7.82	
38 NGC	6822	Gx	Sgr	19h44m54.00s	-14°48'00.0"	15.4'x 14.2'	8.8	14.50	Barnard's galaxy
39 IC	4997	PI	Sge	20h20m06.00s	+16°44'00.0"	0.0'x0.0'	11.3	2.90	
40 IC	1318	Nb	Cyg	20h27m54.00s	+40°00'00.0"	45.0'x 20.0'	14.9	22.03	
41 PK	80-6.1	PI	Cyg	21h02m18.00s	+36°42'00.0"	0.4'x0.3'	13.5	11.07	
42 IC	1396	C+N	Cep	21h39m06.00s	+57°30'00.0"	89.0'x 89.0'	3.5	12.99	
43 IC	5146	C+N	Cyg	21h53m24.00s	+47°16'00.0"	20.0'x 10.0'	10.0	15.49	Cocoon nebula
44 NGC	7317-20	Gx	Peg	22h36m06.00s	+33°57'00.0"				Stephan's quintet
45 PK	104-29.1	PI	Peg	23h35m54.00s	+30°28'00.0"	5.2'x5.2'	12.7	16.60	

Souhrnný přehled objektů řazený dle souhvězdí

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer DESC
Abell	262	Gcl	And	Abell 262					
Abell	347	Gcl	And	Abell 347					
NGC	205	Gx	And	M 110	0h40m24.00s	+41°41'00.0"	19.5"x 11.5'	8.1	14.00 vB,vL,mE 165 degrees;vgmbM. M31 Companion;UGC 426;H V 18
NGC	221	Gx	And	M 32	0h42m42.00s	+40°51'60.0"	8.5"x6.5'	8.1	wB,L,R,psmbMN;M31 Triplicate;Comp to M31
NGC	224	Gx	And	M 31	0h42m42.00s	+41°16'00.0"	189.1"x 61.7'	3.4	!!leeB,eL,vmE;Local Group;Andromeda Galaxy;nearest spiral
NGC	404	Gx	And	UGC 718	1h09m24.00s	+35°43'00.0"	4.3"x3.9'	10.3	pB,cL,R,gbM;H II 224;UGC 718;Beta And sf 6'
NGC	752	OC	And	OC 363	1h57m42.00s	+37°40'00.0"	50.0"x 50.0'	5.7	Cl,wL,R;L & S,C;H VII 32;Best in RFT or binocs;lr scattered cl 70* mags 8...
NGC	891	Gx	And	UGC 1831	2h22m36.00s	+42°20'60.0"	13.1"x2.8'	9.9	B,vL,vmE22;H V 19;NGC 1023 group;Lord Rosse Drawing shows dark lane
NGC	956	OC	And	OC 377	2h32m30.00s	+44°35'60.0"	8.0"x8.0'	8.9	Cl,pRi,*9... 15;
NGC	7640	Gx	And	UGC 12554	23h22m06.00s	+40°50'60.0"	10.0"x1.9'	11.3	cF,L,mE164,vlbM,r;H II 600;nearly edge on spiral
NGC	7662	Pl	And	PK 106-17.1	23h25m54.00s	+42°32'00.0"	0.3"x0.2'	8.6	!!! Planetary or annular neb,vB,ps,R,blue;Blue Snowball Nebula;H IV 18;Barnard-cent * variable?
UGC	12632	Gx	And	UGC 12632	23h30m00.00s	+41°00'00.0"	4.9"x3.9'	12.1	15.00
	G1	Gb	And	Mayall II	00h32m46.8s	+39°34'42.0"		13.7	Extragalactic globular cluster
B	135-6	Drk	Aql	LDN 581	19h07m24.00s	-03°55'00.0"	50.0"x 30.0'		1 deg north following Lambda Aql
B	142-3	Drk	Aql	B 142-3	19h40m42.00s	+10°57'00.0"	80.0"x 50.0'		! L,lr,2 extensions W Narrow lanes 3 deg north preceding Altair
B	334,336-7	Drk	Aql	B 334, 336-7	19h36m48.00s	+12°27'00.0"	40.0"x 5.0'		2 deg north preceding B142-3
NGC	6738	OC	Aql	OC 101	19h01m24.00s	+11°36'00.0"	15.0"x 15.0'	8.3	Cl,P,IC;
NGC	6749	Gb	Aql	GCL 107	19h05m18.00s	+01°54'00.0"	6.3"x6.3'	11.1	L,IC,st L&S;Globular absorbed by 7 mags
NGC	6751	Pl	Aql	PK 29-5.1	19h05m54.00s	-06°00'00.0"	0.3"x0.3'	12.0	pB,S;Annular
NGC	6755	OC	Aql	OC 96	19h07m48.00s	+04°16'00.0"	15.0"x 15.0'	7.5	Cl,vL,vRi,pC,*12... 14;H VII 19
NGC	6756	OC	Aql	OC 99	19h08m42.00s	+04°42'00.0"	4.0"x4.0'	10.6	Cl,S,Ri,IC,*11... 12;H VII 62
NGC	6760	Gb	Aql	GCL 109	19h11m12.00s	+01°02'00.0"	2.4"x2.4'	9.1	pB,pL,vglbM (Auw. 44)
NGC	6781	Pl	Aql	PK 41-2.1	19h18m30.00s	+06°32'00.0"	1.9"x1.8'	11.8	F,L,R,vsbM disc;H III 743;PK41-2.1;opposite dark lane from Altair
NGC	6803	Pl	Aql	PK 46-4.1	19h31m18.00s	+10°03'00.0"	0.1"x0.1'	11.0	stellar
NGC	6804	Pl	Aql	PK 45-4.1	19h31m36.00s	+09°14'00.0"	1.0"x0.8'	12.4	cB,S,IR,rr;H VI 38;PK45-4.1;Herschel misclassified this as open cl
NGC	6814	Gx	Aql	MCG - 2-50- 1	19h42m42.00s	-10°20'00.0"	3.5"x3.5'	11.2	pF,pL,R,bM,r;H III 744
Pal	11	Gb	Aql	Pal 11	19h45m18.00s	-08°02'00.0"	3.2"x3.2'	11.9	14.17
NGC	6981	Gb	Aqr	M 72	20h53m30.00s	-12°32'00.0"	5.9"x5.9'	9.4	pB,pL,R,gmCM,rr;3 deg WSW of NGC 7009
NGC	6994	OC	Aqr	M 73	20h59m00.00s	-12°38'00.0"	2.8"x2.8'	8.9	Cl,eP,vC,No neb,4 or 5 10th mag stars;Messier saw neby but there is none
NGC	7009	Pl	Aqr	PK 37-34.1	21h04m12.00s	-11°22'00.0"	0.5"x0.4'	8.3	!!! vB,S,elliptic;Saturn Nebula;H IV 1;bright blue-green disk
NGC	7089	Gb	Aqr	M 2	21h33m30.00s	-00°49'00.0"	11.7"x 11.7'	6.5	!!B,vL,vgmbM,rr,st eS;Lord Rosse-Dark area near core;* mags 13...
NGC	7293	Pl	Aqr	PK 36-57.1	22h29m36.00s	-20°50'00.0"	16.0"x 12.0'	6.3	!pF,vL,E or biN;Helical Nebula;low surf brightness
NGC	7377	Gx	Aqr	NGC 7377	22h47m48.00s	-22°19'00.0"	4.1"x 3.4'	11.1	pB,S,vE,vgmbM,*12p
NGC	7600	Gx	Aqr	MCG - 1-59- 19	23h18m54.00s	-07°35'00.0"	3.1"x1.6'	11.9	cF,S,R,psmbM;H II 431
NGC	7606	Gx	Aqr	MCG - 2-59- 12	23h19m06.00s	-08°29'00.0"	4.2"x2.3'	10.8	pF,cL,pmE0;H I 104
NGC	772	Gx	Ari	UGC 1466	1h59m18.00s	+19°00'00.0"	7.5"x4.3'	10.3	B,cL,R,gbM,r;H I 112;Several tightly collared arms br on NW side;UGC 1466
B	34	Drk	Aur	B 34	5h43m30.00s	+32°39'00.0"	20.0"x 20.0'		2 deg preceding cluster M 37

CAT I	NO TYPE CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer DESC
IC	405	Nb Aur LBN 795	5h16m30.00s	+34°20'60.0"	50.0"x 30.0"	10.0	17.68	* 6.7 w pB,vL,néb;Flaming Star nebula;variable AE Aur in center of neby
IC	410	Nb Aur NGC 1893	5h22m42.00s	+33°25'00.0"	11.0"x 11.0"	7.5	12.45	Dif, many st inv;incl cluster NGC 1893
IC	2149	Pl Aur PK 166+10.1	5h56m24.00s	+46°05'60.0"	0.2"x0.1"	10.0	5.49	S,vB
NGC	1893	OC Aur NGC 1893	5h22m42.00s	+33°25'00.0"	11.0"x 11.0"	7.5	12.45	Cl,L,Ri;in Aur OB2;20* mags 9...12;neby IC 410 invl
NGC	1907	OC Aur OCL 434	5h28m06.00s	+35°20'00.0"	7.0"x7.0"	8.2	12.17	Cl,pRi,pC,R,sg9...12;H VII 39
NGC	1912	OC Aur M 38	5h28m42.00s	+35°50'60.0"	21.0"x 21.0"	6.4	12.00	Cl,B,vL,vRi;F,St L & S;in Aur OB1;Burnham-shaped like Greek letter Pi
NGC	1931	C+N Aur OCL 441	5h31m24.00s	+34°15'00.0"	3.0"x3.0"	10.1	12.23	vB,L,R,B**in M;H I 261;Contains triple ADS 4112
NGC	1960	OC Aur M 36	5h36m18.00s	+34°08'00.0"	12.0"x 12.0"	6.0	12.00	Cl,B,vL,vRi;IC, *9...11;in Aur OB1;incl Struve 737 10.7"sep
NGC	2099	OC Aur M 37	5h52m18.00s	+32°33'00.0"	24.0"x 24.0"	5.6	11.00	!!Cl,Ri,pCM,St L & S
NGC	2242	Pl Aur ZWG 204. 5	6h34m06.00s	+44°47'00.0"	0.4"x0.4"	14.5	13.00	eeF,vS,R,F* nf
NGC	2281	OC Aur OCL 446	6h48m18.00s	+41°05'00.0"	15.0"x 15.0"	5.4	11.02	Cl,pRi,vC,St pL;H VIII 71
NGC	5248	Gx Boo UGC 8616	13h37m30.00s	+08°53'00.0"	5.9"x4.5"	10.3	13.80	B,L,E150,psbMRN;H I 34;eBN in vB lens w many dk lanes
Berk	10	OC Cam Berk 10	3h39m24.00s	+66°32'00.0"	12.0"x 12.0"	12.0	17.14	
IC	342	Gx Cam UGC 2847	3h46m48.00s	+68°05'60.0"	20.9"x 20.4"	12.0	14.90	F,vL,R,vsBN;Local Group Member
NGC	1501	Pl Cam PK 144+6.1	4h07m00.00s	+60°55'00.0"	0.9"x0.8"	12.0	11.60	pB,pS,vE,1'Diam;H IV 53;PK144+6.1
NGC	1502	OC Cam OCL 383	4h07m48.00s	+62°20'00.0"	8.0"x8.0"	6.9	11.16	Cl,pRi,cC,IF;H VII 47;incl Struve 484 5"sep PA 130 & Struve 485 18" 6" 11"mul*
NGC	2366	Gx Cam UGC 3847	7h28m30.00s	+69°11'60.0"	1.6"x1.0"	15.5	15.75	neb* or vF;S,2366 sf
NGC	2403	Gx Cam UGC 3918	7h36m48.00s	+65°35'60.0"	23.4"x 11.8"	8.5	14.40	!! cB,eL,vnE,vgmbMN;H V 44;in M81 group;many well res irreg arms;broad bar
Tomb	5	OC Cam Tombaugh 5	3h47m48.00s	+59°03'00.0"	17.0"x 17.0"	8.4	14.29	
UGC	3697	Gx Cam UGC 3697	7h11m24.00s	+71°50'00.0"	3.5"x0.3"	12.9	12.20	
NGC	7099	Gb Cap M 30	21h40m24.00s	-23°11'00.0"	8.9"x8.9"	7.5	11.00	I,B,L,IE,gmbM,St 12...16;Wm. Herschel saw very elliptical shape
Pal	12	Gb Cap Pal 12	21h46m30.00s	-21°14'00.0"	2.9"x2.9"	12.9	14.95	
IC	10	Gx Cas UGC 192	0h20m24.00s	+59°18'00.0"	6.4"x5.3"	13.3	14.00	Mem. of Local Group;very obscured;several H II regions
IC	59	Nb Cas LBN 620	0h57m30.00s	+61°09'00.0"	10.0"x5.0"			pF,eL, nf Gamma Cass. Neb patch 30' N of Gamma Cas
IC	63	Nb Cas LBN 623	0h59m30.00s	+60°55'00.0"	10.0"x3.0"			pF,eL, conn w np one Fan-shaped neby 20' north foll Gamma Cas
IC	1795	Nb Cas LBN 645	2h25m48.00s	+61°59'00.0"	12.0"x 12.0"	6.5	12.75	vL,F;Brightest portion of IC 1805;vast neby incl cluster Mel 15
IC	1848	C+N Cas OCL 364	2h51m24.00s	+60°25'00.0"	40.0"x 10.0"			vL,F;Brightest portion of IC 1805;vast neby incl cluster Mel 15
NGC	129	OC Cas OCL 294	0h30m00.00s	+60°13'00.0"	21.0"x 21.0"	6.5	12.85	Cl,vL,pRi;IC,St 9...13;H VIII 79;Contains DL Cas
NGC	147	Gx Cas UGC 326	0h33m12.00s	+48°30'00.0"	13.5"x8.2"	9.5	14.50	vF,vL,iR,gsmbM,*1.1;Dwarf EI;P w NGC 185 at 58';low surface br
NGC	185	Gx Cas UGC 396	0h39m00.00s	+48°20'00.0"	12.5"x 10.4"	9.2	14.30	pB,vL,iR,vgmbM,r;H II 707;Dwarf elliptical;NGC 396
NGC	225	OC Cas OCL 305	0h43m36.00s	+61°46'00.0"	12.0"x 12.0"	7.0	12.14	Cl,L,IC,St 9...10;H VIII 78;W shaped
NGC	281	C+N Cas IC 11	0h53m00.00s	+56°36'60.0"	4.0"x4.0"	7.4	10.15	F,vL,dif;S triple * on np edge;
NGC	457	OC Cas OCL 321	1h19m30.00s	+58°17'00.0"	13.0"x 13.0"	6.4	11.71	Cl,B,L,pRi,*7,8,10;H VII 42;Phi Cas is not a member;Not incl in mag
NGC	559	OC Cas OCL 322	1h29m30.00s	+63°19'00.0"	4.4"x4.4"	9.5	12.46	Cl,B,pL,pRi;H VII 48
NGC	581	OC Cas M 103	1h33m24.00s	+60°39'00.0"	6.0"x6.0"	7.4	11.00	Cl,pL,B,R,Ri,*10..11
NGC	609	OC Cas OCL 325	1h36m24.00s	+64°32'00.0"	3.0"x3.0"	11.0	13.13	Cl,S,pRi,*14...;
NGC	654	OC Cas OCL 330	1h44m00.00s	+61°53'00.0"	5.0"x5.0"	6.5	9.73	Cl,IF,Ri,1*6.7m;H VII 46;in Cas OB8?;50* mags 11..14

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer DESC
NGC	659	OC	Cas	1h44m24.00s	+60°40'00.0"	5.0"x5.0"	7.9	11.13	Cl,IRi,ist B;H VIII 65;30* mags 12...
NGC	663	OC	Cas	1h46m00.00s	+61°15'00.0"	16.0"x 16.0"	7.1	12.86	Cl,B,L,Eri,ist pL;H VI 31;in Cas OB8;incl Struve 151 152 & 153
NGC	7635	Nb	Cas	23h20m12.00s	+61°11'00.0"	15.0"x8.0"	11.0	15.94	vF,*8 inv l excentric;H IV 52;Bubble Nebula;L neb ring
NGC	7654	OC	Cas	23h24m12.00s	+61°35'00.0"	13.0"x 13.0"	6.9	12.00	L,Ri,mCM,*9,.13;Messier saw neby tHere is none
NGC	7788	OC	Cas	23h56m42.00s	+61°24'00.0"	9.0"x9.0"	9.4	13.91	Cl,S,pRi,vC,st 10,13..;in Cas OB5?
NGC	7790	OC	Cas	23h58m24.00s	+61°13'00.0"	17.0"x 17.0"	8.5	14.39	Cl,pRi,pC;H VII 56;Contains CE Cas
PK	118+ 2.1	Pl	Cas	0h07m36.00s	+64°58'00.0"	2.0"x2.0"	12.9	14.15	
	Maffei 1	Gx	Cas	2h36m18.00s	+59°39'00.0"	5.0"x3.0"	11.4	10.00	vF,pS, Very obscured infrared source
B	150	Dirk	Cep	20h50m36.00s	+60°18'00.0"	60.0"x3.0"			Curved filament 1.6 deg south of Eta Cep
B	152	Dirk	Cep	21h14m30.00s	+61°45'00.0"	15.0"x3.0"			Double cloud 1 deg south preceding Alpha Cep
B	169-71	Dirk	Cep	21h58m54.00s	+58°45'00.0"	80.0"x 80.0"			Narrow curved lanes 3 deg north following IC 1396
IC	1396	C+N	Cep	21h39m06.00s	+57°30'00.0"	89.0"x 89.0"	3.5	12.99	F,eL neby,incl Struve 2816;in Cep OB2;Neby is 165°X135';cluster is Tr 37
NGC	40	Pl	Cep	0h13m00.00s	+72°31'00.0"	1.0"x0.7"	10.7	7.30	F,vS,R,vsmbM,L*cont f;H IV 58;PK120+9.1;Lord Rosse saw spiral structure
NGC	188	OC	Cep	0h47m30.00s	+85°13'60.0"	14.0"x 14.0"	8.1	13.57	Cl,vL,R,150-200 st 10...18;
NGC	6939	OC	Cep	20h31m30.00s	+60°40'00.0"	8.0"x8.0"	7.8	12.06	Cl,pL,Eri,pCM,*11..16;H VI 42;Gal N6946 38' SE
NGC	6946	Gx	Cep	20h34m54.00s	+60°09'00.0"	11.2"x9.8"	8.8	13.80	vF,vL,vg,vsbM,r;H IV 76;One of nearest spirals
NGC	6951	Gx	Cep	20h37m12.00s	+66°05'60.0"	3.9"x3.5"	10.6	13.30	pB,pL,IE;
NGC	7023	C+N	Cep	21h00m30.00s	+68°09'60.0"	5.0"x5.0"	7.1	10.33	*7 in eF,eL,neby;H IV 74;Complex structure w Br And dark filaments
NGC	7129	C+N	Cep	21h43m00.00s	+66°07'00.0"	2.7"x2.7"	11.5	13.40	i,cF,pL,gbM***;H IV 75;Sev F * invl
NGC	7354	Pl	Cep	22h40m18.00s	+61°17'00.0"	0.4"x0.3"	12.9	10.10	B,S,R,pgvbm;H II 705
NGC	7380	OC	Cep	22h47m18.00s	+58°08'00.0"	12.0"x 12.0"	7.2	12.34	Cl,pL,pRi,IC,*9...13;H VIII 77; in Cep OB1
NGC	7510	OC	Cep	23h11m30.00s	+60°34'00.0"	4.0"x4.0"	7.9	10.65	Cl,pRi,pC,fan-sh,*pB;H VII 44;L region of F neby to SE
NGC	7762	OC	Cep	23h49m48.00s	+68°02'00.0"	11.0"x 11.0"	10.0	14.95	Cl,pRi,pC,*11...15
NGC	7822	Nb	Cep	0h03m36.00s	+68°37'00.0"	20.0"x4.0"			ieeF,eel, Portion of 2 deg arc;whole area nebulous
Sh	2-155	Nb	Cep	22h56m48.00s	+62°36'60.0"	50.0"x 30.0"			Cave nebula
Abell	194	Gcl	Cet	1h25m30.00s	-01°22'00.0"	131.0"x131.0"	13.0	23.33	Includes NGC 541 and Minkowski's object;Arp 133
IC	1613	Gx	Cet	1h04m54.00s	+02°08'00.0"	16.6"x 14.9"	9.2	15.00	F,eL;Member of Local Group
NGC	210	Gx	Cet	0h40m36.00s	-13°52'00.0"	4.6"x3.2"	10.9	13.80	B,pS,R,psbM,r,* 11 p 2;H II 452;F outer arms Form encircling ring
NGC	246	Pl	Cet	0h47m06.00s	-11°52'00.0"	4.0"x3.5"	8.5	13.50	;H V 25;PK118-74.1;Galaxy NGC 255 15' NNE
NGC	247	Gx	Cet	0h47m06.00s	-20°46'00.0"	21.0"x5.6"	9.1	14.40	F,eL,vntE 172 degrees;H V 20
NGC	255	Gx	Cet	0h47m48.00s	-11°28'00.0"	3.1"x2.7"	11.9	13.90	F,pS,R,gbM;H II 472
NGC	908	Gx	Cet	2h23m06.00s	-21°14'00.0"	6.1"x2.7"	10.2	13.00	cB,vL,E;H I 153
NGC	1055	Gx	Cet	2h41m48.00s	+00°27'00.0"	7.6"x3.0"	10.6	13.70	pF,cL,IE80,bM,*11n1';H I 1= II 6;Nearly edge-on spiral w equatOriat dust lane
NGC	1068	Gx	Cet	2h42m42.00s	-00°01'00.0"	7.3"x6.3"	8.9	12.80	vB,pL,iR,sbMrrN;Seyfert;brtst in NGC 1068 grp
NGC	1073	Gx	Cet	2h43m42.00s	+01°23'00.0"	4.9"x4.3"	11.0	14.20	vF,L,lbM,er;H III 455;NGC 1068 group
Cr	121	OC	CMa	6h54m12.00s	-24°38'00.0"	50.0"x 50.0"	2.6	10.83	
NGC	2283	Gx	CMa	6h45m54.00s	-18°13'00.0"	3.6"x2.7"	12.2	14.60	3 or 4S* + neb

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer DESC
NGC	2287	OC	CMa M 41	6h46m00.00s	-20°45'00.0"	38.0'x38.0'	4.5	12.00	Cl,V,L,B,IC,st 8...
NGC	2354	OC	CMa OCL 639	7h14m18.00s	-25°42'00.0"	20.0'x20.0'	6.5	12.75	Cl,cRi,j,IC
NGC	2359	Nb	CMa LBN 1041	7h18m30.00s	-13°14'00.0"	10.0'x5.0'			!!;vF,vVL,vF,H V 21;Duck Neb;curved filam;cent* Wolf Rayet;UHC filter helps
NGC	2360	OC	CMa OCL 589	7h17m42.00s	-15°38'00.0"	13.0'x13.0'	7.2	12.51	Cl,V,L,Ri,pC,st9...12
NGC	2362	OC	CMa OCL 633	7h18m42.00s	-24°57'00.0"	8.0'x8.0'	4.1	8.36	Cl,pL,Ri,(30 CMA)
Ced	90	Nb	Cma Gum 3;RCW 1	7h05m12.00s	-12°20'00.0"	10.0'x10.0'			
NGC	2632	OC	Cnc M 44	8h40m00.00s	+19°40'00.0"	95.0'x95.0'	3.1	13.00	!!Praesepe;Beehive;200 memb to 14 mag
NGC	2682	OC	Cnc M 67	8h50m48.00s	+11°49'00.0"	30.0'x30.0'	6.9	13.00	! Cl,vB,vL,Eri,IC,*10...15;500 memb to 16 mag;Mallas-dark spot near center
NGC	2775	Gx	Cnc UGC 4820	9h10m18.00s	+07°02'00.0"	4.5'x3.6'	10.1	12.90	cB,cL,R,vgsmbM,r,H I 2;N in B smooth lens;many knotty arms Form dk lane
PK	219+31.1	Pl	Cnc Abell 31	8h54m12.00s	+08°55'00.0"	16.8'x15.6'	12.2	17.99	
Abell	1656	Gcl	Com Cama I	12h59m48.00s	+27°59'00.0"	157.0'x157.0'	11.0	21.72	Dense GALCL for amateurs;72 brighter than 15 mag in 2 deg
HCG	61	Gcl	Com Hickson 61	12h12m24.00s	+29°12'00.0"				galaxy cluster
NGC	4064	Gx	Com UGC 7054	12h04m12.00s	+18°27'00.0"	4.6'x1.7'	11.4	13.50	B,E,gbM;
NGC	4147	Gb	Com NGC 4153	12h10m06.00s	+18°33'00.0"	4.0'x4.0'	10.3	13.05	vB,pL,R,gbM,rrr,H I 19;Stars F
NGC	4192	Gx	Com M 98	12h13m48.00s	+14°54'00.0"	9.4'x2.3'	10.1	13.60	B,vL,vmE152,vsmbM;6 Comae Berenices is 30' east
NGC	4254	Gx	Com M 99	12h18m48.00s	+14°25'00.0"	5.3'x4.6'	9.9	13.20	!B,L,R,gbM,r,3 branch spiral;SN 1967h;Norton-diff For small Scope
NGC	4274	Gx	Com UGC 7377	12h19m48.00s	+29°37'00.0"	6.8'x2.4'	10.4	13.30	vB,vL,E90,mbMN;H I 75;Saturn-like inner ring w F outer halo
NGC	4293	Gx	Com UGC 7405	12h21m12.00s	+18°23'00.0"	5.5'x2.9'	10.4	13.10	F,vL,E,lbM,r,vsBN;H V 5;Spiral pattern dim;heavy dust lanes
NGC	4321	Gx	Com M 100	7h06m00.00s	+50°45'00.0"	1.4'x1.1'	13.6	13.90	vF,12'h of 2320
NGC	4382	Gx	Com M 85	12h25m24.00s	+18°11'00.0"	7.4'x5.9'	9.1	12.90	vB,pL,R,bM,* np;SN 1960r;P w NGC 4394 @ 7.8' foll
NGC	4414	Gx	Com UGC 7539	12h26m30.00s	+31°13'00.0"	3.6'x2.0'	10.1	12.10	vB,L,E,g,vsmbM*B diff N in B bulge;H I 77
NGC	4450	Gx	Com UGC 7594	12h28m30.00s	+17°05'00.0"	5.4'x4.1'	10.1	13.20	B,L,R,gvmbM*,r,B* sp;H I 56
NGC	4494	Gx	Com UGC 7662	12h31m24.00s	+25°46'00.0"	4.5'x4.3'	9.8	12.90	vB,pL,R,vsmbMN;H I 83
NGC	4501	Gx	Com M 88	12h32m00.00s	+14°25'00.0"	6.8'x3.7'	9.6	13.00	B,vL,vmE;Comp @ 6.9';mult arm spiral
NGC	4548	Gx	Com M 91	12h35m24.00s	+14°30'00.0"	5.2'x4.2'	10.1	13.40	B,L,IE,lbM;NGC 4571 @ 27.0';H I 120;F outer arms in S patim
NGC	4559	Gx	Com UGC 7766	12h36m00.00s	+27°58'00.0"	11.0'x4.9'	10.0	14.00	vB,vL,vmE150,gbM,3 * f;H I 92;SN 1941a;multi arm spiral
NGC	4565	Gx	Com UGC 7772	12h36m18.00s	+25°59'00.0"	14.9'x2.0'	9.6	13.30	!!B,eL,eE135,vsbMN = *10-11;H V 24;NGC 4562 @ 13.4';classic edge-on galaxy
NGC	4725	Gx	Com UGC 7989	12h50m24.00s	+25°30'00.0"	10.4'x7.2'	9.4	14.00	vB,vL,E,vg,vsmbM,eBN;H I 84;P w NGC 4712 @ 12.0'
NGC	4826	Gx	Com M 64	12h56m42.00s	+21°41'00.0"	10.3'x5.0'	8.5	12.70	!vB,vL,vmE120,bM,SNB;Blackeye Galaxy;dark marking nr center
NGC	4889	Gx	Com NGC 4884	13h00m06.00s	+27°59'00.0"	2.8'x2.0'	11.5	13.30	pB,pmE,bM,*7 n;H I 32;B in Coma cluster;NGC 4872 @ 0.8' sp;NGC 4886 @ 1.1' np
NGC	5024	Gb	Com M 53	13h12m54.00s	+18°10'00.0"	14.4'x14.4'	7.7	12.00	!B,vC,iR,wmbM,st 12...;1 deg NE of Alpha Comae Berenices
NGC	5053	Gb	Com GCL 23	13h16m30.00s	+17°42'00.0"	8.9'x8.9'	9.8	14.29	Cl,vF,pL,iR,vgbM,st 15;H VI 7;Low surf brightness;1 deg sf M 53
Abell	2065	Gcl	CrB Abell 2065	15h22m06.00s	+27°39'00.0"	61.0'x61.0'	14	22.67	Brightest 6 GALXYS 15.5 mag;40 in 1/2 deg field to 17 mag
Abell	2162	Gcl	CrB Abell 2162	16h12m30.00s	+29°32'00.0"	144.0'x144.0'	13.7	24.23	
NGC	5958	Gx	CrB UGC 9909	15h34m48.00s	+28°39'00.0"	1.0'x1.0'	12.6	12.50	pF,pL,iR,bM,r, H I 399;Peculiar?
NGC	4038	Gx	CrV NGC 4038	12h01m54.00s	-18°52'60.0"	2.6'	10.7	12.51	pB,cL,R,vgbM
NGC	4039	Gx	CrV NGC 4039	12h01m54.00s	-18°52'60.0"	2.6'	10.7	12.51	pB,cL,R,vgbM

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer DESC
NGC	4361	Pl	Crv	ESO 573-PN19	12h24m30.00s	-18°47'00.0"	10.9	11.10	vB, L, R, vsmbMN, r, H I 65; PK294+43.1
HCG	68	Gdl	CVn	Hickson 68	13h53m24.00s	+40°21'50.0"			galaxy cluster
NGC	4111	Gx	CVn	UGC 7103	12h07m00.00s	+43°04'00.0"	10.7	12.20	vB, pS, mE151, vsBN, H I 195; NGC 4109 @ 4.8'; UGC 7103; Ho 333a
NGC	4145	Gx	CVn	UGC 7154	12h10m00.00s	+39°53'00.0"	11.3	14.60	B, vL, vglbM, H I 169; NGC 4151 @ 29'; Ho 342b @ 13'; UGC 7154
NGC	4151	Gx	CVn	UGC 7166	12h10m30.00s	+39°24'00.0"	10.8	14.20	vB, S, R, vsmbMN, p of 2; H I 165; P w NGC 4145; NGC 4156 @ 5.2'; Ho 345c @ 8.8'
NGC	4214	Gx	CVn	NGC 4228	12h15m36.00s	+36°20'00.0"	9.8	14.00	cB, cL, iE, biN, =NGC 4208; H I 95
NGC	4242	Gx	CVn	UGC 7323	12h17m30.00s	+45°36'00.0"	10.8	13.90	vF, cL, iR, vglbM, r, H III 725
NGC	4244	Gx	CVn	UGC 7322	12h17m30.00s	+37°48'00.0"	10.4	14.00	pB, vL, eE43, vglbM, vsBN or *?; H V 41
NGC	4258	Gx	CVn	M 106	12h19m00.00s	+47°18'00.0"	8.4	13.60	i, vB, vL, vmE0, sbMBN, H V 43
NGC	4395	Gx	CVn	UGC 7524	12h25m48.00s	+33°33'00.0"	10.2	15.40	eF, vL, np of Dneb
NGC	4449	Gx	CVn	UGC 7592	12h28m12.00s	+44°05'00.0"	9.6	13.00	vB, cL, mE, D or bifid, rr, *F, B center w N or *, H I 213
NGC	4490	Gx	CVn	UGC 7651	12h30m36.00s	+41°39'00.0"	9.8	12.90	vB, vL, mE130, r, sf of 2; H I 198; disrupted; P w NGC 4485 @ 3.5'
NGC	4627	Gx	CVn	UGC 7860	12h42m00.00s	+32°34'00.0"	12.4	14.10	F, S, R, np of 2, BM no BN; H II 659; P w NGC 4631 @ 2.5'
NGC	4631	Gx	CVn	UGC 7865	12h42m06.00s	+32°32'00.0"	9.2	13.10	vB, vL, eE70, bMN, * at n; H V 42; P w NGC 4627 @ 2.5'
NGC	4656	Gx	CVn	UGC 7907	12h44m00.00s	+32°10'00.0"	10.5	14.50	pB, L, vmE34, sp of 2; H I 176; NGC 4657 suPerimposed
NGC	4736	Gx	CVn	M 94	12h50m54.00s	+41°06'00.0"	8.2	13.10	vB, L, iR, vsmbM, BN, r,
NGC	5005	Gx	CVn	UGC 8256	13h10m54.00s	+37°03'00.0"	9.8	12.70	vB, vL, vmE66, vsbMN; H I 96; P w NGC 5033; eBN in B lens; sev knotty arms
NGC	5033	Gx	CVn	UGC 8307	13h13m30.00s	+36°35'00.0"	10.2	14.40	vB, pL, E167, smbM, vBN; H I 97; P w NGC 5005; svBN in B bulge w spir patt of dk lanes
NGC	5055	Gx	CVn	M 63	13h15m48.00s	+42°02'00.0"	8.6	13.30	vB, L, pME120, vsmbM, BN; vsbB stell. N in B inner lens; many filam
NGC	5194	Gx	CVn	M 51	13h29m54.00s	+47°12'00.0"	8.4	12.90	!!!, Great spiral nebula; Whirlpool Gal; interacting pair; classic spiral
NGC	5272	Gb	CVn	M 3	13h42m12.00s	+28°23'00.0"	6.4	11.00	i, eB, vL, vsmbM, st 11... Lord Rosse-sev dark marks within 5' of center
NGC	5297	Gx	CVn	UGC 8709	13h46m24.00s	+43°51'00.0"	11.8	13.80	cB, L, pME142, gbM; H I 180; P w NGC 5296 at 1'; vsBN; B lens w knotty arms
B	145	Drk	Cyg	LDN 865	20h02m48.00s	+37°40'00.0"			Triangular; north of B144
Basel	6	OC	Cyg	Basel 6	20h06m48.00s	+38°20'00.0"	7.7	13.17	13"-pB, pL, arrowhead shape, 22" at 100x
IC	1318	Nb	Cyg	Sh2-108	20h27m54.00s	+40°00'00.0"	14.9	22.03	Gamma Cygni Neb, L patches of F nebulosity. Portions of neby surround Gamma Cyg, elong generally E-W
IC	5068	Nb	Cyg	LBN 328	20h50m48.00s	+42°31'00.0"			vF
IC	5070	Nb	Cyg	LBN 350	20h50m48.00s	+44°20'00.0"	8.0	16.43	F, dif; Pelican Nebula; w IC 5067; 56 Cyg invl
IC	5146	C+N	Cyg	OCL 213	21h53m24.00s	+47°16'00.0"	10.0	15.49	F, L, iR, *9.5 m invl, br + drk masses invl; Cocoon neb, at end of dark streamer B168
NGC	6811	OC	Cyg	OCL 185	19h38m12.00s	+46°34'00.0"	6.8	12.11	Ci, L, pRi, iC, st11...14;
NGC	6826	Pl	Cyg	PK 83+12.1	19h44m48.00s	+50°32'00.0"	8.8	6.90	Planetary, B, pl, R, *11m; H IV 73; Blinking Planetary; PK83+12.1
NGC	6834	OC	Cyg	OCL 134	19h52m12.00s	+29°24'00.0"	7.8	11.03	Ci, P, iC, *11...12
NGC	6866	OC	Cyg	OCL 183	20h03m54.00s	+44°10'00.0"	7.6	11.57	Ci, L, vRi, cC, H VII 59; 50" mags 10...
NGC	6871	OC	Cyg	OCL 148	20h05m54.00s	+35°47'00.0"	5.2	11.45	Ci, st L&S, D* invl; n Cyg OB3?
NGC	6883	OC	Cyg	OCL 148	20h11m18.00s	+35°50'00.0"	8.0	13.62	Ci, pRi, ** invl;
NGC	6884	Pl	Cyg	PK 82+7.1	20h10m24.00s	+46°28'00.0"	12.6	6.00	stellar;
NGC	6888	Nb	Cyg	LBN 203	20h12m48.00s	+38°19'00.0"	10.0	15.49	F, vL, vmE, ** att; H IV 72; Crescent Neb; Wolf-Rayet * invl
NGC	6913	OC	Cyg	M 29	20h23m54.00s	+38°32'00.0"	6.6	11.00	Ci, P, iC, st L&S; About 20 stars mags 8...

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer DESC
NGC	6960	Nb	Cyg NGC 6960	20h45m42.00s	+30°43'00.0"	70.0'			!! pB, cL, eF, 52 Cyg inv
NGC	6992	Nb	Cyg CED 182B	20h56m24.00s	+31°43'00.0"	60.0'x8.0'	7.0	13.44	eF,eL,eF,Bifid;H V 14;Veil Nebula eastern part
NGC	7000	Nb	Cyg LBN 373	21h01m48.00s	+44°12'00.0"	120.0'x30.0'	4.0	12.63	F,eel,dif nebulosity;H V 377;North America nebula;Cl NGC 6997 invl
NGC	7008	Pl	Cyg PK 93+5.2	21h00m30.00s	+54°33'00.0"	1.4'x1.1'	12.0	11.80	cB,L,E45,r,** att;H I 192
NGC	7013	Gx	Cyg UGC 11670	21h03m36.00s	+29°54'00.0"	4.5'x1.4'	11.3	13.10	pB,cS,R,psbM,pB* np
NGC	7026	Pl	Cyg PK 89+0.1	21h06m18.00s	+47°50'60.0"	0.4'x0.2'	12.0	8.50	pB,biN;
NGC	7027	Pl	Cyg PK 84-3.1	21h07m00.00s	+42°14'00.0"	0.3'x0.2'	9.6	6.19	eB,S,bizarre spectrum
NGC	7048	Pl	Cyg PK 88-1.1	21h14m18.00s	+46°17'00.0"	1.0'x0.8'	11.0	12.20	pF,pl,dif,iR,vbM;
NGC	7063	OC	Cyg OCL 192	21h24m24.00s	+36°30'00.0"	8.0'x8.0'	7.0	11.26	Cl,P,st10...
NGC	7092	OC	Cyg M 39	21h32m12.00s	+48°26'00.0"	32.0'x32.0'	4.6	11.00	Cl,vL,P,vC,*7...10;Large but loose cluster
PK	80-6.1	Pl	Cyg IV Zw 67	21h02m18.00s	+36°42'00.0"	0.4'x0.3'	13.5	11.07	Egg Nebula;protoplanetary?;bipolar;light 48% polarized
PK	64+ 5.1	Pl	Cyg BD+30 3639	19h34m48.00s	+30°31'00.0"	0.1'x0.1'	9.6	6.90	vF,S;Campbell's hydrogen star, BD means Bonner Durchmusterung
NGC	M 1-92	Nb	Cyg M 1-92	19h36m18.00s	+29°33'00.0"	0.1'x0.3'	11.7	7.82	13"-pB,vS,nBM;sE in PA0 at 220X. Footprint Neb;looks like Dbl*;30" East of * of equal mag
NGC	6905	Pl	Del PK 61-9.1	20h22m24.00s	+20°06'00.0"	0.7'x0.6'	12.0	10.00	B,pS,R,4S* nr;Blue Flash Nebula
NGC	6934	Gb	Del GCL 117	20h34m12.00s	+07°24'00.0"	2.0'x2.0'	8.9	10.15	B,L,R,rr,*16...;H I 103;*10m 2' west
NGC	7006	Gb	Del GCL 119	21h01m30.00s	+16°11'00.0"	2.8'x2.8'	10.6	12.58	B,pL,R,gbM;H I 52;Stars eF;very remote globular
NGC	4125	Gx	Dra UGC 7118	12h08m06.00s	+65°09'60.0"	6.0'x5.1'	9.7	12.90	pB,pl,cE,mbM;
NGC	4236	Gx	Dra UGC 7306	12h16m42.00s	+69°28'00.0"	22.6'x6.9'	9.6	15.00	vF,eL,mE160,vgbM;H V 51;P w Ho 357b @ 9';L;F spiral structure
NGC	5866	Gx	Dra NGC 5866	15h06m30.00s	+55°46'00.0"	5.2'	10.0	13.32	vB, cL, pmE 146deg , gbM
NGC	5907	Gx	Dra NGC 5907	15h15m54.00s	+56°20'00.0"	11.8'x1.3'	10.3	13.30	cB,vL,vmE155,vgBMN;H II 759;vs bulge nearly hidden by strong dk lane; SN 1940a
NGC	5985	Gx	Dra UGC 9969	15h39m36.00s	+59°20'00.0"	5.4'x2.7'	11.1	14.00	pB,cl,lE,r, H II 766;Brightest of 3
NGC	5989	Gx	Dra NGC 5989	15h41m30.00s	+59°45'00.0"	0.9'x 0.9'	13.0	12.74	vF, vS
NGC	6503	Gx	Dra UGC 11012	17h49m30.00s	+70°09'00.0"	7.0'x2.5'	10.2	13.10	pF,L,mE,*9f4';
NGC	6543	Pl	Dra PK 96+29.1	17h58m36.00s	+66°37'60.0"	0.4'x0.3'	8.3	5.00	vB,pS,sbMvSN;H IV 37;Cat's Eye Nebula;PK96+29.1
UGC	10822	Gx	Dra UGC 10822	17h20m12.00s	+57°55'00.0"	33.5'x18.9'	9.9	17.20	13"-vF,L,pmE at 60X;Draco Dwarf. Member of Local Group;dwarf elliptical
NGC	1232	Gx	Eri ESO 547-14	3h09m48.00s	-20°35'00.0"	7.1'x6.3'	9.9	13.90	pB,cl,R,gbM,r;H II 258;Excellent face-on spiral
NGC	1300	Gx	Eri ESO 547-31	3h19m42.00s	-19°25'00.0"	5.9'x4.1'	10.4	13.80	cB,vL,vmE,psvmbM;
NGC	1535	Pl	Eri PK 206-40.1	4h14m18.00s	-12°44'00.0"	0.3'x0.3'	10.4	7.20	vB,S,R,pS,vsbM,r;H IV 26;PK206-40.1
MCG	06-07-001	Gx	For MCG 06-07-001	2h39m54.00s	-34°32'00.0"	17.0'x12.0'	8.1	13.90	vF,wL,R,Low Surface Brightness InvL GLOCL NGC 1049;Memb Local Grp;Brightest * = 19mag
NGC	1049	Gb	For ESO 356-SC3	2h39m42.00s	-34°16'60.0"	1.2'x 1.2'	12.6	12.74	vS,F InvL in Fornax System
NGC	1097	Gx	For ESO 416-20	2h46m18.00s	-30°17'00.0"	9.4'x6.6'	9.5	13.80	vB,L,vmE151,vbMN;H V 48
NGC	1316	Gx	For NGC 1316	3h22m42.00s	-37°12'00.0"	7.1'	8.9	12.90	vB, cL, vE, vsvmbMN
NGC	1360	Pl	For PK 220-53.1	3h33m12.00s	-25°52'00.0"	6.0'x4.5'	9.4	13.70	*8in B,L neb,E ns;
NGC	1365	Gx	For NGC 1365	3h33m36.00s	-36°07'60.0"	9.8'	9.5	14.20	!! vB, vL, mE, rN
IC	443	Nb	Gem LBN 844	6h16m54.00s	+22°46'60.0"	50.0'	12.0	19.99	F, narrow, curved vF,vL;arc 25'x5';filamentary structure
NGC	2129	OC	Gem OCL 467	6h00m42.00s	+23°19'00.0"	7.0'x7.0'	6.7	10.67	Cl,pL,40 or 50* 8...15;H V
NGC	2158	OC	Gem OCL 468	6h07m24.00s	+24°06'00.0"	5.0'x5.0'	8.6	11.83	Cl,pS,mC,vRi,irr triangle

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer	DESC
NGC	2168	OC	Gem	M 35	6h08m12.00s	+24°22'00.0"	28.0"x 28.0"	5.1	12.00	Cl,vL,eRi,pC,st9...16;Lord
NGC	2331	OC	Gem	OC 475	7h07m00.00s	+27°16'00.0"	18.0"x 18.0"	8.5	14.52	Cl,L,vIC,S Cl inv,H VIII 4
NGC	2355	OC	Gem	NGC 2356	7h17m00.00s	+13°45'00.0"	9.0"x9.0"	9.7	14.21	Cl,pS,pRi,mC,*15...16
NGC	2371	PI	Gem	NGC 2372	7h25m36.00s	+29°29'00.0"	1.2"x0.9"	13.0	10.50	B,S,R,bMN,p of Dneb;H II 3
NGC	2392	PI	Gem	PK 197+17.1	7h29m12.00s	+20°55'00.0"	0.8"x0.7"	8.6	6.80	B,S,R,*9M,*8 nt 100";H IV
NGC	2395	OC	Gem	OC 502	7h27m12.00s	+13°37'00.0"	12.0"x 12.0"	8.0	13.14	Cl,pRi,C
NGC	2420	OC	Gem	OC 488	7h38m24.00s	+21°34'00.0"	10.0"x 10.0"	8.3	13.04	Cl,cL,Ri,C,st 11...18;H VI
PK	194+ 2.1	PI	Gem	J 900	6h26m00.00s	+17°47'00.0"	0.2"x0.2"	12.4	7.70	vS,B,nearly stellar
PK	205+14.1	PI	Gem	Abell 21	7h29m00.00s	+13°15'00.0"	10.0"x6.0"	14.1	16.40	13"-F,pl,E at 100X with UHC crescent shape;Medusa nebula;large and low surface brightness
NGC	6205	Gb	Her	M 13	16h41m42.00s	+36°28'00.0"	23.2"x 23.2"	5.9	12.00	!;eB,vRi,vgeCM,*11...;Hercules cluster;Messier said round nebula contains no star
NGC	6210	PI	Her	PK 43+37.1	16h44m30.00s	+23°48'00.0"	0.3"x0.2"	9.7	5.90	vB,vS,R,disc;
NGC	6229	Gb	Her	GCL 47	16h47m00.00s	+47°32'00.0"	3.8"x3.8"	9.4	12.04	vB,L,R,disc,r;H IV 50;Wm. Herschel pLaced in Planetary category by mistake
NGC	6341	Gb	Her	M 92	17h17m06.00s	+43°08'00.0"	11.2"x 11.2"	6.5	11.00	vB,vL,eCM,st 12...;Lord Rosse saw spiral structure
PK	47+42.1	PI	Her	Abell 39	16h27m30.00s	+27°54'00.0"	2.9"x2.9"	12.9	14.95	
NGC	2548	OC	Hya	M 48	8h13m48.00s	-05°48'00.0"	54.0"	5.8	14.20	Cl,vL,pRi,pmC,st 9...13
NGC	3242	PI	Hya	PK 261+32.1	10h24m48.00s	-18°39'00.0"	0.7"x0.6"	8.6	5.40	! vB,IE 147,45" d,blue;H IV 27;Ghost of Jupiter
NGC	4590	Gb	Hya	M 68	12h39m30.00s	-26°45'00.0"	9.8"x9.8"	8.2	13.00	L,Eri,vC,iR,rr,st 13...;
NGC	5078	Gx	Hya	ESO 508-48	13h19m48.00s	-27°25'00.0"	19.5"x5.8"	11.0	13.00	pB,pS,cE,psbM,*7'8" H II 566;Dust lane;Nearly edge-on
NGC	5236	Gx	Hya	M 83	13h37m00.00s	-29°52'00.0"	13.1"x 12.2"	7.5	12.80	vB,vL,E55,esBMN,spir;Fast SupNova producer-4 in 50 yrs
NGC	5556	Gx	Hya	ESO 446-50	14h20m36.00s	-29°15'00.0"	4.1"x3.3"	11.8	14.40	eF,L,* inv
NGC	5694	Gb	Hya	GCL 29	14h39m36.00s	-26°32'00.0"	3.6"x3.6"	10.2	12.72	cB,cS,R,psbM,r,*9.5 sp;H II 196;Rich w eF stars;distant globular
PK	303+40.1	PI	Hya	Abell 35	12h53m36.00s	-22°52'00.0"	15.6"x 10.6"	12.0	18.90	
NGC	7209	OC	Lac	OC 215	22h05m06.00s	+46°29'00.0"	25.0"x 25.0"	7.7	14.43	Cl,L,cRi,pC,st9...12;H VII 53
NGC	7243	OC	Lac	OC 221	22h15m06.00s	+49°54'00.0"	21.0"x 21.0"	6.4	12.75	Cl,L,P,IC,st vL;H VIII 75;Incl Struve 2890 D*
Abell	1367	Gcl	Leo	Abell 1367	11h44m30.00s	+19°50'00.0"	157.0"x157.0"	14.0	24.72	13"-1 gal pF,pL,R 4 others vF,S, 10 others nr More GALXYS >14 mag than any GALCL
HCG	44	Gcl	Leo	Hickson 44	10h18m06.00s	+21°50'00.0"				galaxy cluster
NGC	2903	Gx	Leo	UGC 5079	9h32m12.00s	+21°30'00.0"	12.0"x5.6"	9.0	13.60	cB,vL,E,gmbM,r,sp of 2;H I 56;short B nucleus bar,fine multi arm spiral
NGC	3162	Gx	Leo	NGC 3575	10h13m30.00s	+22°44'00.0"	3.1"x2.7"	11.6	13.70	pF,cL,R,vglbM,r,S* inv;H II 43;svBN: 0.5'X0.3';2 main knotty arms
NGC	3190	Gx	Leo	UGC 5559	10h18m06.00s	+21°50'00.0"	4.0"x1.5"	11.1	13.10	B,pS,E,psbMN;H II 44;bright in grp;disturbed edge-on spiral;P w NGC 3187
NGC	3227	Gx	Leo	UGC 5620	10h23m30.00s	+19°52'00.0"	6.6"x5.0"	10.3	13.40	pB,cL,R,D,H II 29;P w NGC 3226;vF env surr system;50' E of Gamma Leo
NGC	3239	Gx	Leo	UGC 5637	10h25m06.00s	+17°10'00.0"	4.5"x2.4"	11.3	14.20	vF,*9 inv nr M;H IV 10;strongly peculiar;UGC 5637
NGC	3338	Gx	Leo	UGC 5826	10h42m06.00s	+13°45'00.0"	5.7"x3.4"	11.1	14.20	F,cL,E,vglbM,*7 p 10";H II 77;Leo group
NGC	3351	Gx	Leo	M 95	10h44m00.00s	+11°42'00.0"	7.3"x4.4"	9.7	13.50	B,L,R,pgmbMN;Leo group
NGC	3368	Gx	Leo	M 96	10h46m48.00s	+11°49'00.0"	7.8"x5.2"	9.3	13.10	vB,vL,IE,vsmbM,r;Comp @ 3.8';PA 205
NGC	3379	Gx	Leo	M 105	10h47m48.00s	+12°34'60.0"	4.5"	9.3	12.31	vB,cL,R,psbM,r
NGC	3521	Gx	Leo	UGC 6150	11h05m48.00s	-00°02'00.0"	11.2"x5.4"	9.0	13.20	cB,cL,mE 140;vsmbMN;H I 13
NGC	3596	Gx	Leo	UGC 6277	11h15m06.00s	+14°47'00.0"	4.1"x4.1"	11.3	14.10	pF,L,R,glbM H II 102;Leo group;UGC 6277

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer	DESC
NGC	3605	Gx	Leo	UGC 6295	11h16m48.00s	+18°01'00.0"	12.3	12.80	F,S,R,sp of 3;H III	27;NGC 3607 nf
NGC	3623	Gx	Leo	M 65	11h18m54.00s	+13°05'00.0"	9.3	12.80	B,vL,mE	165,gbMBN;M66 subgroup
NGC	3626	Gx	Leo	NGC 3632	11h20m06.00s	+18°21'00.0"	11.0	12.60	B,S,vE,SBM;H II	52;indense part of clust;nearest Comp 2' PA73 .5'X0.4'
NGC	3627	Gx	Leo	M 66	11h20m12.00s	+13°00'00.0"	8.9	12.70	B,vL,mE	150,mbM,2 st np;brightest in group;M 65 & NGC 3628 in field
NGC	3628	Gx	Leo	UGC 6350	11h20m18.00s	+13°35'00.0"	9.5	13.40	pB,vL,vmE	102;H V 8;Leo group;disturbed
NGC	3640	Gx	Leo	UGC 6368	11h21m06.00s	+03°14'00.0"	10.4	13.20	B,pL,R,psbM;H II	33;P w NGC 3641 at 2.5';PA170
UGC	5470	Gx	Leo	Leo I	10h08m24.00s	+12°18'00.0"	10.2	14.80	dwarf elliptical in Local Group;0.3' N of Regulus	
IC	418	Pl	Lep	IC 418	5h27m30.00s	-12°42'00.0"	11.0	7.25	plan = "9.2 (gaseous sp)	
NGC	1744	Gx	Lep	ESO 486-5	5h00m00.00s	-26°01'00.0"	11.1	14.90	F,vL,vmE,vgvbm	
NGC	1904	Gc	Lep	M 79	5h24m30.00s	-24°33'00.0"	8.7	8.0	glob. cl. , pL, eRi, eC, rrr	
NGC	5897	Gb	Lib	GCL 33	15h17m24.00s	-21°01'00.0"	8.6	13.04	pF,L,Vr,vgbM,rrr;H VI 19	
PK	342+27.1	Pl	Lib	Merrill 2-1	15h22m18.00s	-23°38'00.0"	11.6	6.70	13"-pB,vS,R,nBM at 220X;same as PK342+17.1	
NGC	2419	Gb	Lyn	GCL 12	7h38m06.00s	+38°53'00.0"	10.4	14.10	pB,pL,IE 90deg,vgbM,*7-8 267deg,4' dist;H I 218;Most distant globular;Brightest * 17 mag	
NGC	2549	Gx	Lyn	UGC 4313	8h19m00.00s	+57°48'00.0"	11.2	12.80	pB,S,mE0,psmbMB elongated w traces of bright tips;F outer envel	
NGC	2683	Gx	Lyn	UGC 4641	8h52m42.00s	+33°25'00.0"	9.8	12.90	vB,vL,vmE39,gbmM;H I 200;peanut-shaped bulge;many filam; arm w dk lanes 1 side	
NGC	2832	Gx	Lyn	UGC 4942	9h19m48.00s	+33°45'00.0"	11.9	13.50	cB,cl,E,3rd of 3 comp east is compact;NGC 2831 superimposed;lens shape	
PK	164+31.1	Pl	Lyn	PK 164 +31.1	7h57m48.00s	+53°25'00.0"	14.0	17.86	13"-vF,pL,nBM,sev* invol at 100X with UHC;Often confused with NGC 2474	
NGC	6720	Pl	Lyr	M 57	18h53m36.00s	+33°02'00.0"	9.4	9.30	Ring neb.B,pL,cE;Ring Nebula;central* var 14 to 16 mag;PK63+13.1	
NGC	6765	Pl	Lyr	PK 62+9.1	19h11m06.00s	+30°33'00.0"	12.9	12.20	F,S,E;	
NGC	6779	Gb	Lyr	M 56	19h16m36.00s	+30°11'00.0"	8.3	12.00	B,L,IR,gvmCM,rrr;Stars 11...	
NGC	6791	OC	Lyr	OCL 142	19h20m42.00s	+37°50'60.0"	9.5	15.26	vF,L,vRi,*F;	
Steph	1	OC	Lyr	Steph 1	18h53m30.00s	+36°55'00.0"	3.8	10.05	13"-B,pL,nRi,nC at 100X 15" and Delta LYR;Delta Lyrae cluster	
IC	2177	Nb	Mon	Gum 2;Sh2-296	7h05m06.00s	-10°42'00.0"			pB,eL,iR,v diff Streamer incl bright patches NGC 2337 & Gum 1;Eagle nebula	
NGC	2232	OC	Mon	OCL 545	6h28m00.00s	-04°51'00.0"	3.9	11.03	B* (10 MON) + Cl;H VIII 25	
NGC	2237	C+N	Mon	OCL 511	6h30m54.00s	+05°03'00.0"	5.5	14.44	pB,vvL,dif part of el. nebs ring ar 2239;Rosette nebula	
NGC	2238	Nb	Mon	LBN 948	6h30m42.00s	+05°01'00.0"	6.0	14.94	F* in neby part of el. nebs ring ar 2239;Rosette nebula	
NGC	2239	OC	Mon	NGC 2239	6h31m54.00s	+04°57'00.0"	4.8	11.44	*8 in L,P,B Cl;	
NGC	2251	OC	Mon	OCL 499	6h34m36.00s	+08°22'00.0"	7.3	12.04	Cl,vL,E,Ri,IC;H VIII 3	
NGC	2264	C+N	Mon	OCL 495	6h41m00.00s	+09°54'00.0"	3.9	10.15	eL neb,3 deg diam,densest 12' sp 15 MON;H V 27=H VIII 5, 20 * mags 6...10 w neby, Near Cone nebula	
NGC	2286	OC	Mon	OCL 548	6h47m42.00s	-03°09'00.0"	7.5	13.12	Cl,L,C,ab 100* 9...15	
NGC	2301	OC	Mon	OCL 540	6h51m48.00s	+00°28'00.0"	6.0	11.14	Cl,Ri,L,IF, st L & S;H VI 27'60" 8...;blue&gold D* near center	
NGC	2323	OC	Mon	M 50	7h02m30.00s	-08°23'00.0"	5.9	12.00	Cl,vL,Ri,pC About 100 stars mags 9...14	
NGC	2324	OC	Mon	OCL 542	7h04m06.00s	+01°03'00.0"	8.4	12.66	Cl,L,Ri,cC,st 12...16;H VII 38	
NGC	2335	OC	Mon	OCL 562	7h06m48.00s	-10°02'00.0"	7.2	12.34	Cl,L,IC;H VIII 32;in CMa OB1	
NGC	2353	OC	Mon	OCL 567	7h14m30.00s	-10°16'00.0"	7.1	13.35	Cl,L,IC,one vB*;H VIII 34;in CMa OB1	
NGC	2374	OC	Mon	OCL 585	7h23m54.00s	-13°16'00.0"	8.0	14.13	Cl,vL,pRi,IC, st L, H VIII 35	
Gum 1		Nb	Mon	RCW 2	7h04m18.00s	-10°28'00.0"			20.0'x 20.0'	

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer DESC
B	72	Nb	Oph B 72	17h23m30.00s	-23°38'00.0"	30.0'x 30.0'			13" pL, pDark, thin winding Dneb at 100X. The Snake; 1.5 deg nrf Theta Oph
IC	4665	OC	Oph OCL 85	17h46m18.00s	+05°43'00.0"	41.0'x 41.0'	4.2	12.00	wL sparse group, about 20 * mags 7....., incl Struve 2212 8.5+9.0; 3.1" sep; 340 deg PA
NGC	6171	Gb	Oph M 107	16h32m30.00s	-13°03'00.0"	3.3'x3.3'	8.1	12.00	L, vRi, vmC, R, rrr, H VI 40
NGC	6218	Gb	Oph M 12	16h47m12.00s	-01°57'00.0"	14.5'x 14.5'	6.6	12.00	vB, vL, iR, gmbM; Somewhat loose structure
NGC	6254	Gb	Oph M 10	16h57m06.00s	-04°06'00.0"	12.2'x 12.2'	6.6	12.00	B, vL, R, gvmBM, rrr; Lord Rosse reported dark lane in cluster
NGC	6266	Gb	Oph M 62	17h01m12.00s	-30°07'00.0"	14.1'x 14.1'	6.6	11.00	vB, L, gmbM, rrr; Asymmetrical
NGC	6273	Gb	Oph M 19	17h02m36.00s	-26°16'00.0"	5.3'x5.3'	7.2	11.00	vB, L, R, vCM, rrr; One of the most oblate globulars
NGC	6284	Gb	Oph GCL 53	17h04m30.00s	-24°46'00.0"	2.7'x2.7'	9.0	10.90	B, L, R, CM, st16....
NGC	6293	Gb	Oph GCL 55	17h10m12.00s	-26°35'00.0"	3.5'x3.5'	8.2	10.66	vB, L, R, psbM, st16
NGC	6304	Gb	Oph GCL 56	17h14m30.00s	-29°28'00.0"	3.8'x3.8'	8.4	11.04	B, cL, R, lbM, rrr
NGC	6309	PI	Oph PK 9+14.1	17h14m06.00s	-12°55'00.0"	0.3'x0.2'	11.6	8.60	B, S, bet 2 * v nr
NGC	6309	PI	Oph NGC 6309	17h14m06.00s	-12°55'00.0"	0.3'x0.2'	11.6	8.60	B, S, bet 2 * v nr
NGC	6316	Gb	Oph GCL 57	17h16m36.00s	-28°08'00.0"	4.9'x4.9'	9.0	12.19	cB, pS, R, gvmBM
NGC	6333	Gb	Oph M 9	17h19m12.00s	-18°31'00.0"	5.5'x5.5'	7.9	11.00	B, L, R, eCM, rrr; Dark neb B64 prominent to west
NGC	6355	Gb	Oph GCL 63	17h24m00.00s	-26°21'00.0"	6.1'x6.1'	9.6	13.27	cF, L, R, gbM, rrr
NGC	6356	Gb	Oph GCL 62	17h23m36.00s	-17°49'00.0"	3.5'x3.5'	8.4	10.86	vB, cL, vgvbmBM, rrr; H I 48
NGC	6402	Gb	Oph M 14	17h37m36.00s	-03°15'00.0"	6.7'x6.7'	7.6	12.00	B, vL, R, Eri, vgvbmM; Many vF stars 14....
NGC	6572	PI	Oph PK 34+11.1	18h12m06.00s	+06°51'00.0"	0.3'x0.2'	8.0	4.30	vB, vS, R, I haz;
NGC	6633	OC	Oph OCL 90	18h27m18.00s	+06°31'00.0"	27.0'x 27.0'	4.6	11.50	Ci, IC, st L; H VIII 72
PK	357 +7.1	PI	Oph M4- 3	17h10m42.00s	-27°09'00.0"	0.2'x0.2'	12.9	9.80	
B	33	Drk	Ori B 33	5h40m54.00s	-02°28'00.0"	6.0'x4.0'			; Horsehead nebula; part of large
IC	430	Nb	Ori CED 55K	5h38m30.00s	-07°05'00.0"	11.0'x 11.0'			vL, vF, E neby 8' np 49 Ori;
IC	434	Nb	Ori LBN 954	5h41m00.00s	-02°27'00.0"	90.0'x 30.0'	11.0	19.32	eF, vL, vmE; 1 deg long incl Zeta
NGC	1973	Nb	Ori CED 55B	5h35m06.00s	-04°44'00.0"	5.0'x5.0'	7.0	10.23	*8, 9 inv in neb;
NGC	1975	Nb	Ori CED 55C	5h35m18.00s	-04°41'00.0"	10.0'x5.0'	7.0	10.99	B** inv in neb;
NGC	1976	C+N	Ori M 42	5h35m18.00s	-05°23'00.0"	90.0'x 60.0'	4.0	11.00	!!!, Theta Orionis and the great
NGC	1977	C+N	Ori OCL 525	5h35m18.00s	-04°51'00.0"	20.0'x 10.0'	7.0	12.49	42 Orionis neb; H V 30
NGC	1981	OC	Ori OCL 525	5h35m12.00s	-04°26'00.0"	25.0'x 25.0'	4.2	10.93	Ci, vB, iRi, st L, sc; In Ori OB1; in
NGC	1982	Nb	Ori M 43	5h35m30.00s	-05°16'00.0"	20.0'x 15.0'	9.0	13.00	!, vB, vL, R w tail, mbM*8; H III 1
NGC	1999	Nb	Ori LBN 979	5h36m24.00s	-06°43'00.0"	2.0'x2.0'			*10, 11 inv in neb; H IV 33
NGC	2022	PI	Ori PK 196-10.1	5h42m06.00s	+09°05'00.0"	0.5'x0.4'	12.8	9.20	pB, vS, vE; H IV 34; small; faint a
NGC	2024	Nb	Ori CED 55P	5h41m42.00s	-01°51'00.0"	30.0'x 30.0'			! irr, B, vL, black sp incl; H V 2
NGC	2068	Nb	Ori M 78	5h46m48.00s	+00°05'00.0"	8.0'x6.0'	8.0	12.00	B, L, wisp, gmbN, 3* inv, r; Comet sh
NGC	2071	Nb	Ori LBN 938	5h47m06.00s	+00°18'00.0"	7.0'x5.0'	8.0	11.60	D*(10 & 14m) w vF, L chev; H IV 3
NGC	2141	OC	Ori OCL 487	6h02m54.00s	+10°27'00.0"	10.0'x 10.0'	9.4	14.14	F, pS, diff;
NGC	2169	OC	Ori OCL 481	6h08m24.00s	+13°58'00.0"	7.0'x7.0'	5.9	9.87	Ci, S, iRi, pmC, ** (ADS 4728); H VI
NGC	2175	C+N	Ori OCL 476	6h09m36.00s	+20°29'00.0"	18.0'x 18.0'	6.8	12.82	*8 in neb In Gem OB1?

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer DESC
NGC	2194	OC	Ori	6h13m48.00s	+12°48'00.0"	10.0"x 10.0"	8.5	13.24	Cl,L,Ri,gvmCM;H VI 5;faint;ric
PK	198- 6.1	Pl	Ori	6h02m24.00s	+09°39'00.0"	0.6"x0.6"	13.9	11.30	On NW edge OF Mu Ori;star makes ID difficult
Sh	2-276	Nb	Ori						Barnard's loop
NGC	7078	Gb	Peg	21h30m00.00s	+12°10'00.0"	12.3"x 12.3"	6.4	11.00	I,vB,vL,iR,vsmBM,rr,st vS;Stars mags 13...
NGC	7217	Gx	Peg	22h07m54.00s	+31°22'00.0"	4.0"x3.4"	10.1	12.70	B,pL,gbM,er;H II 207;vB diff Nuc .35X0.27many knotty arms
NGC	7315	Gx	Peg	22h35m30.00s	+34°48'00.0"	1.6"x1.6"	12.5	13.40	vF,eS,R,bM
NGC	7331	Gx	Peg	22h37m06.00s	+34°25'00.0"	10.2"x4.2"	9.5	13.30	B,pL,pmE163,smBM;H I 53;UGC 12113;Brightest in group of F obj;sev dark lanes
NGC	7479	Gx	Peg	23h04m54.00s	+12°19'00.0"	4.0"x3.1"	10.9	13.40	pB,cl,mE12,bet 2 st;H I 55;excellent barred spiral
NGC	7619	Gx	Peg	23h20m12.00s	+08°12'00.0"	2.8"x2.5"	11.1	12.90	cB,pS,R,psBM;H II 439;UGC 12523
NGC	7626	Gx	Peg	23h20m42.00s	+08°13'00.0"	3.0"x2.7"	11.1	13.10	cB,pS,R,psBM;H II 440;P w NGC 7619;Br members of small group
NGC	7741	Gx	Peg	23h43m54.00s	+26°04'00.0"	4.5"x2.9"	11.3	13.90	cF,cl,iR,D* 10-12 np 2';H II 208;UGC 12754;B narrow bar .8X0.2';S shape w thick bar
NGC	7743	Gx	Peg	23h44m24.00s	+09°56'00.0"	2.8"x2.4"	11.5	13.60	pF,S,R,*14 sf;H II 256;P w NGC 7742
NGC	7814	Gx	Peg	0h03m12.00s	+16°09'00.0"	4.7"x2.4"	10.6	13.20	cB,cl,E,vgbM;H II 240;EquatOriat dust lane;Nearly edge-on
NGC	7317-20	Gx	Peg	22h36m06.00s	+33°57'00.0"				Stephan's quintet
PK	104-29.1	Pl	Peg	23h35m54.00s	+30°28'00.0"	5.2"x5.2"	12.7	16.60	13"-vF,vL,irr; only seen with UHC filter 100X;Large dim glow in 30 cm Scope
UGC	12613	Gx	Peg	23h28m36.00s	+14°45'00.0"	4.6"x3.0"	12.0	14.59	Pegasus Dwarf. Dwarf Member Local Group
B	3, 4	Drk	Per	3h44m00.00s	+31°47'00.0"	100.0"x100.0"			Lies south preceding O Per
IC	348	C+N	Per	3h44m36.00s	+32°10'00.0"	10.0"x 10.0"	7.3	12.04	pB,vL,vgbM With faint neby;surrounds Omicron Persei;near B4
NGC	651	Pl	Per	1h42m18.00s	+51°35'00.0"	2.7"x1.8"	11.0	10.40	vB,f of DneB;Little Dumbbell or Cork Nebula;faintest M obj;H I 193
NGC	869	OC	Per	2h19m06.00s	+57°08'00.0"	30.0"x 30.0"	5.3	12.43	Cl,vL,vRi,*7 ...14;H VI 33;h Perin Per OB1;Double Cluster w NGC 884
NGC	884	OC	Per	2h22m30.00s	+57°09'00.0"	30.0"x 30.0"	6.1	13.23	Cl,vL,vRi,ruby*M;H VI 34;chi Per;in Per OB1;Double Cluster w NGC 869
NGC	1023	Gx	Per	2h40m24.00s	+39°04'00.0"	8.1"x3.4"	9.4	12.80	vB,vL,vmE,vmbM;H I 156;brtst in grp;more neb 10' E;lens shp F tuft on E tip
NGC	1039	OC	Per	2h42m06.00s	+42°47'00.0"	35.0"x 35.0"	5.2	12.66	Cl,B,vL,IC,sC s19...;At least 80 true members;sev D* incl h1123 & O Struve 44
NGC	1058	Gx	Per	2h43m30.00s	+37°20'00.0"	3.2"x3.1"	11.2	13.40	pF,cl,R,glbM H II 633;NGC1023 grp;patchy main body;mult arm pattern;SN1961v
NGC	1275	Gx	Per	3h19m48.00s	+41°31'00.0"	2.3"x1.6"	11.9	13.10	F,S;Seyfert;brtst in Persus Cl;center obj in dense galaxy cluster
NGC	1342	OC	Per	3h31m42.00s	+37°21'60.0"	14.0"x 14.0"	6.7	12.17	Cl,vL,ab60*;H VIII 88
NGC	1491	Nb	Per	4h03m12.00s	+51°19'00.0"	6.0"x9.0"			vB,S,iF,bM,r,* inv
NGC	1499	Nb	Per	4h03m12.00s	+36°21'60.0"	160.0"x 40.0"	5.0	14.26	vF,vL,mE ns,dif;Califomia Nebula;0.6 deg from Xi Per
NGC	1528	OC	Per	4h15m18.00s	+51°13'00.0"	24.0"x 24.0"	6.4	13.04	Cl,B,vRi,cC;H VII 61;80 * mag 8...;1 deg NNW from b1 Per
NGC	1545	OC	Per	4h20m54.00s	+50°15'00.0"	18.0"x 18.0"	6.2	12.22	Cl,pRi,IC,st L;H VIII 85
NGC	1582	OC	Per	4h31m48.00s	+43°47'00.0"	37.0"x 37.0"	7.0	14.58	Cl,vL,pRi,IC,st L;H VIII 70
vdB	24	Nb	Per	3h49m36.00s	+38°59'00.0"	9.0"x9.0"			
NGC	470	Gx	Psc	1h19m42.00s	+03°25'00.0"	2.9"x1.7"	11.8	13.40	pB,L,IR;H III 250;Brightest of 3;UGC 858
NGC	474	Gx	Psc	1h20m06.00s	+03°25'00.0"	6.1"x5.0"	11.5	15.50	pB,S,smBM, f of 2;H III 251;NGC 470 group;disturbed;UGC 864;Arp 227
NGC	488	Gx	Psc	1h21m48.00s	+05°15'00.0"	5.4"x3.9"	10.3	13.40	pB,L,R,smBM,*8F10';Delicate spiral pattern
NGC	524	Gx	Psc	1h24m48.00s	+09°32'00.0"	3.2"x3.2"	10.3	12.30	vB,pl,mbM,4S* nr;H I 151
NGC	628	Gx	Psc	1h36m42.00s	+15°47'00.0"	10.0"x9.4"	9.4	14.20	F,vL,R,vg,psmbM,rr;Fine face on spiral

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer DESC
NGC	660	Gx	Psc	UGC 1201	1h43m00.00s	+13°39'00.0"	11.2	14.60	pB,pL,eBM,r;H II 253;UGC 1201
NGC	2422	OC	Pup	M 47	7h36m36.00s	-14°29'00.0"	4.4	11.00	ClB,vL,pRi,st L & S H VIII 38;Messier gave poor position;Struve 1121 & 1120 invl
NGC	2437	OC	Pup	M 46	7h41m48.00s	-14°49'00.0"	6.1	13.00	!Cl,vB,vRi,vL PLNNB NGC 2438 on N edge;150 * 10-13 mag
NGC	2447	OC	Pup	M 93	7h44m30.00s	-23°51'00.0"	6.2	12.00	ClL,pRi,IC,st8...13, 63 members to 13 mag;wedge shaped center
NGC	2467	C+N	Pup	OC L 668	7h52m30.00s	-26°26'00.0"	7.1	12.72	pB,vL,R,ar,*8m H IV 22;Scattered stars 8..12 w vF haze of nebulosity,in PUP OB1
Blanco 1		OC	ScI	Blanco 1	0h04m18.00s	-29°56'00.0"	4.5	14.01	Zeta Sculptoris cluster
IC	5332	Gx	ScI	ESO 408-9	23h34m30.00s	-36°05'60.0"	10.5	14.50	eF,vL,bM,bet 2 * D* p 45 deg
MCG	06-03-015	Gx	ScI	MCG 06-03-015	0h59m54.00s	-33°42'00.0"	10.5	17.10	wL,eef,IE,ESO 351-G030;Member of Local Group;large and dim
NGC	55	Gx	ScI	Dunlop 507	0h14m54.00s	-39°11'00.0"	7.9	13.40	vB,vL,vmE,triN;Sculptor Galaxy Group
NGC	134	Gx	ScI	ESO 350-23	0h30m24.00s	-33°15'00.0"	10.4	13.30	vB,L,vmE 47 degrees,psbM,f of 2,*10 np 45";Nearly edge-on
NGC	253	Gx	ScI	ESO 474-29	0h47m36.00s	-25°18'00.0"	7.2	12.70	!wB,vvL,vmE 54 degrees,gbM;H V 1;SAndage-arms are more defined by dust than *
NGC	288	Gb	ScI	ESO 474-SC37	0h52m48.00s	-26°35'00.0"	8.1	13.54	B,L,IE,st 12...16;H VI 20;loose structured globular
NGC	300	Gx	ScI	ESO 295-20	0h54m54.00s	-37°41'00.0"	8.1	14.30	pB,vL,vmiE,vgrmbM;Large S-shaped;loose structured spiral
NGC	613	Gx	ScI	ESO 413-11	1h34m18.00s	-29°25'00.0"	10.1	13.30	vB,vL,vmE118,sbM,* nf;H I 281
NGC	7793	Gx	ScI	ESO 349-12	23h57m48.00s	-32°35'60.0"	9.1	13.40	Like a Comet (1850);
B	287	Dirk	Sco	B 287	17h54m24.00s	-35°12'00.0"			30' south-south following cluster M7
NGC	6093	Gb	Sco	M 80	16h17m00.00s	-22°59'00.0"	7.2	11.00	vB,L,vmbM,rr,st 14...;Extremely rich And Compressed
NGC	6121	Gb	Sco	M 4	16h23m36.00s	-26°32'00.0"	5.9	12.00	Cl,8 or 10 B* in line,rr;Look For central bar structure
NGC	6144	Gb	Sco	GCL 42	16h27m12.00s	-26°01'00.0"	9.1	12.80	Cl,cL,mC,gbM,rr;H VI 10
NGC	6405	OC	Sco	M 6	17h40m18.00s	-32°15'00.0"	4.2	10.00	Cl,L,iR,IC,st7,10...;Butterfly cluster;51 members to 10.5 mag incl var* BM Sco
NGC	6441	Gb	Sco	GCL 78	17h50m12.00s	-37°03'00.0"	7.4	11.60	vB,pL,R,vgrmbM;
NGC	6475	OC	Sco	M 7	17h53m54.00s	-34°48'00.0"	3.3	12.00	Cl,vB,pRi,IC,*7...12;80 members to 10th mag;Fine naked eye cluster
NGC	6480	C+N	Sco	ESO 456-?13	17h54m24.00s	-30°27'00.0"	12.0	15.23	neb S part of Milky Way
NGC	6664	OC	ScI	OC L 68	18h36m36.00s	-07°49'00.0"	7.8	13.56	Cl,L,pRi,vC H V/III 12;Contains Cepheid variable EV Sct
NGC	6683	OC	ScI	OC L 74	18h42m12.00s	-06°17'00.0"	9.4	14.35	Cl,vRi,vC,in Milky Way Rich Milky Way field prob not true cluster
NGC	6694	OC	ScI	M 26	18h45m12.00s	-09°24'00.0"	8.0	12.00	Cl,cL,pRi,pC,st12...15;FinderScope will show why Messier included it;70 * to 14 m
NGC	6705	OC	ScI	M 11	18h51m06.00s	-06°16'00.0"	5.8	9.00	!Cl,vB,L,iR,Ri,*9...;500 stars to 14th mag;Wild duck cluster
NGC	6712	Gb	ScI	GCL 103	18h53m06.00s	-08°42'00.0"	8.2	11.11	pB,vL,irr,rr;H I 47
IC	4756	OC	Ser	Cr 386	18h39m00.00s	+05°27'00.0"	4.6	12.30	wL,scattered group of 80 * mags 7.... Naked eye from dark site
NGC	5904	Gb	Ser	M 5	15h18m36.00s	+02°05'00.0"	5.8	11.00	!vB,L,eCM,Eri;st mags 11...;suPerb cluster
NGC	5921	Gx	Ser	UGC 9824	15h21m54.00s	+05°04'00.0"	10.8	13.90	cB,cL,iR,vsbM*12,am * H I 148;eBN in B bar
NGC	5964	Gx	Ser	IC 4551	15h37m36.00s	+05°58'00.0"	12.0	14.70	eF,vL,R,vgrmbM,r, narrow bar w low surf brightness arms
NGC	6027	Gx	Ser	UGC 10116	15h59m12.00s	+20°46'00.0"	14.3	11.70	eF,vF*inv,2vF st nr;Seyfert's Sextet; Compact group of 6; difficult
NGC	6118	Gx	Ser	UGC 10350	16h21m48.00s	-02°17'00.0"	11.7	13.90	vF,cL,cE45,r, H II 402;Low surface brightness
NGC	6535	Gb	Ser	GCL 83	18h03m48.00s	-00°18'00.0"	10.6	10.91	pF,vS,vS neb *p
NGC	6611	C+N	Ser	M 16	18h18m48.00s	-13°47'00.0"	6.0	12.00	L,B,scattered Cl,neb invl;in Ser OB1;Star Queen or Eagle Nebula;stars mags 8...
Pal	5	Gb	Ser	Pal 5	15h16m06.00s	-00°07'00.0"	11.8	15.73	13"-eF,pL,nBM at 100X; low surface brightness;

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer DESC
PK	13+32.1	Pl	Ser Shane 1	16h21m06.00s	+00°17'00.0"	0.1"x0.1"	12.8	7.14	Stellar
NGC	3115	Gx	Sex MCG-01-26-018	10h05m12.00s	-07°43'00.0"	7.3"x3.4"	8.9	11.90	vB,L,vmE 46,vgsmbMEN;H I 163;Spindle Galaxy
NGC	3423	Gx	Sex UGC 5962	10h51m12.00s	+05°50'00.0"	3.9"x3.3"	11.1	13.70	F,vL,R,vgbM,rr;H IV 6= II 131;fine face on spiral
UGCA 205		Gx	Sex MCG-01-26-030	10h11m00.00s	-04°43'00.0"	5.9"x4.9"	11.5	15.00	
Harvard 20		OC	Sge Harvard 20	19h53m06.00s	+18°20'00.0"	7.0"x7.0"	7.7	11.67	pL,IC,* 11,...,40 faint * in 12';has two centers
IC	4997	Pl	Sge PK 58-10.1	20h20m06.00s	+16°44'00.0"	0.0"x0.0"	11.3	2.90	Stellar;Small;bright PLNNB--Harlung
NGC	6838	Gb	Sge M 71	19h53m48.00s	+18°47'00.0"	6.1"x6.1"	8.3	12.00	Cl,vL,vRi,pmC,*11...16;Arrowhead shape, stars have few metals
NGC	6886	Pl	Sge PK 60-7.2	20h12m42.00s	+19°59'00.0"	0.1"x0.1"	12.5	6.20	stellar=10m;
Pal	10	Gb	Sge Pal 10	19h18m12.00s	+18°34'00.0"	3.5"x3.5"	13.2	15.66	13"-vF,pS,sBM at 100X
B	87	Nb	Sgr B 87	18h04m18.00s	-32°30'00.0"	12.0"x 12.0"			Parrot's Head;4.5 deg south of cluster NGC 6520
B	92	Nb	Sgr B 92	18h15m30.00s	-18°11'00.0"	12.0"x6.0"			13"-L, very prominent Dark neb at 60x. On NW edge of Small Sagittarius Star Cloud
IC	4715	OC	Sgr M 24	18h26m36.00s	-18°23'00.0"	95.0"x 35.0"	3.1	4.30	eeL cloud of st And neb;Small Sagittarius Star Cloud; sev dark neb And NGC 6603 invl
IC	4725	OC	Sgr M 25	18h31m48.00s	-19°07'00.0"	29.0"x 29.0"	4.6	12.00	Cl,pC;Contains U Sgr;Stars mags 6...10
NGC	6445	Pl	Sgr PK 8+3.1	17h49m18.00s	-20°01'00.0"	0.6"x0.5"	13.0	9.60	pB,pS,R,gbM,r,*15 np;Little Gem
NGC	6495	OC	Sgr M 23	17h57m06.00s	-18°59'00.0"	27.0"x 27.0"	5.5	13.00	Cl,B,vL,pRi,IC,*10...100 members to 13th mag
NGC	6514	C+N	Sgr M 20	18h02m42.00s	-22°58'00.0"	28.0"x 28.0"	6.3	13.00	vB,vL,Trifid,D* inv;Trifid nebula;sev dark lanes;H IV 41 & V 10;D* HN 40 invl
NGC	6520	OC	Sgr OCL 10	18h03m24.00s	-27°53'00.0"	6.0"x6.0"	7.6	11.23	Cl,pS,Ri,IC,st9...13;H VII 7;Dark neb B86 on W edge
NGC	6522	Gb	Sgr GCL 82	18h03m36.00s	-30°02'00.0"	5.6"x5.6"	8.6	12.08	B,pL,R,gvmbM,rr;H I 49
NGC	6523	C+N	Sgr M 8	18h03m42.00s	-24°23'00.0"	45.0"x 30.0"	5.0	13.00	!!!,vB,eL,eIF,w L Cl;Lagoon Nebula;Cl NGC 6530 invl;dark lane crosses neb
NGC	6528	Gb	Sgr GCL 84	18h04m48.00s	-30°03'00.0"	3.7"x3.7"	9.5	12.08	pF,cS,R,gbM,rr;H II 200,* mags 16...;Gamma Sgr in field
NGC	6530	OC	Sgr OCL 19	18h04m30.00s	-24°21'00.0"	15.0"x 15.0"	4.6	10.22	Cl,B,L,pRi,f M8;In Lagoon nebula M8;25* mags 7...
NGC	6531	OC	Sgr M 21	18h04m12.00s	-22°29'00.0"	13.0"x 13.0"	5.9	11.00	Cl,pRi,IC,st9...12;In Sgr OB1;36 members to 12th mag
NGC	6544	Gb	Sgr GCL 87	18h07m18.00s	-25°00'00.0"	8.4"x8.4"	8.3	12.66	cF,pL,iR,r
NGC	6553	Gb	Sgr GCL 88	18h09m18.00s	-25°54'00.0"	3.2"x3.2"	8.3	10.57	F,L,IE,vglbM,rr;H IV 12,* mags 20...
NGC	6569	Gb	Sgr GCL 91	18h13m36.00s	-31°50'00.0"	5.8"x5.8"	8.7	12.26	cB,L,R,rr,*15...H II 201;D* Bumham 1353 in field
NGC	6603	OC	Sgr NGC 6603	18h18m24.00s	-18°24'00.0"	5.0"x5.0"	11.1	14.33	Cl,vRi,vmC,R;Within star cloud Messier 24
NGC	6613	OC	Sgr M 18	18h19m54.00s	-17°08'00.0"	9.0"x9.0"	6.9	12.00	Cl,P,vIC;12 * mag 9-10; 1 deg S of M17
NGC	6618	C+N	Sgr M 17	18h20m48.00s	-16°11'00.0"	11.0"x 11.0"	6.0	13.00	!!!,B,eL,eIF,2 hooked;Omega nebula;Swan Nebula;many F outer loops;use filter
NGC	6624	Gb	Sgr GCL 93	18h23m42.00s	-30°22'00.0"	5.9"x5.9"	8.3	11.89	vB,pL,R,rr,st16...;H I 50
NGC	6626	Gb	Sgr M 28	18h24m30.00s	-24°52'00.0"	15.0"x 15.0"	6.9	11.00	vB,L,R,geCM,rr;45' NW from Lambda Sgr,* mags 14...
NGC	6637	Gb	Sgr M 69	18h31m24.00s	-32°20'60.0"	7.1"x7.1"	7.7	11.00	B,L,R,rr,*14...16;
NGC	6645	OC	Sgr OCL 48	18h32m36.00s	-16°53'00.0"	10.0"x 10.0"	8.5	13.24	Cl,pL,vRi,pC,st11...15;H VI 23
NGC	6652	Gb	Sgr GCL 98	18h35m48.00s	-32°59'00.0"	3.5"x3.5"	8.9	11.36	B,S,IE,rr,st15;
NGC	6656	Gb	Sgr M 22	18h36m24.00s	-23°54'00.0"	24.0"x 24.0"	5.1	11.00	vB,vL,R,vRi,vmC;Stars mags 11...;one of finest globs
NGC	6681	Gb	Sgr M 70	18h43m12.00s	-32°18'00.0"	7.8"x7.8"	8.1	11.00	B,pL,R,gbM;Curved arc of stars to NE,* mags 14...
NGC	6715	Gb	Sgr M 54	18h55m06.00s	-30°29'00.0"	9.1"x9.1"	7.7	11.00	vB,L,R,g,smbM,* mags 15...
NGC	6809	Gb	Sgr M 55	19h40m00.00s	-30°58'00.0"	19.0"x 19.0"	7.0	13.00	pB,L,R,vRi,vgbM,* mags 15...

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer DESC
NGC	6818	Pl	Sgr PK 25-17.1	19h44m00.00s	-14°09'00.0"	0.4"x0.3'	10.0	7.00	B,V,S,R;H IV 51; Little Gem Nebula; PK25-17.1
NGC	6822	Gx	Sgr IC 4895	19h44m54.00s	-14°48'00.0"	15.4"x14.2'	8.8	14.50	vF,L,E,Dif; Barnard's Galaxy; IC 1308 = HII region in NGC 6822
NGC	6864	Gb	Sgr M 75	20h06m06.00s	-21°55'00.0"	6.0"x6.0'	8.6	11.00	B,p,L,R,vmbMBN,irr,* mags 17...
Pal	8	Gb	Sgr Pal 8	18h41m30.00s	-19°49'00.0"	4.7"x4.7'	11.2	14.30	
MeI	22	C+N	Tau M 45	3h47m00.00s	+24°07'00.0"	100.0"x100.0'	1.2	11.00	wB,vL,brilliant naked eye cluster,neb inv,Pleiades;nebys NGC 1432 And 1435 involved
NGC	1514	Pl	Tau PK 165-15.1	4h09m18.00s	+30°47'00.0"	2.0"x1.5'	10.8	12.60	*9 in neb 3'Diam;H IV 69;PK165-15.1
NGC	1647	OC	Tau OCL 457	4h45m54.00s	+19°06'00.0"	45.0"x45.0'	6.4	14.41	Cl,vL,st L,sC
NGC	1952	Nb	Tau M 1	5h34m30.00s	+22°01'00.0"	8.0"x4.0'	8.4	11.00	vB,vL,E135,vglbM,r; Crab Nebula; Rosse saw filaments; cent; pulsar 16 mag; 3C144
NGC	1432/5	Nb	Tau CED 19I	3h46m12.00s	+23°46'00.0"	30.0"x30.0'			vF,vL,diff, (Meropae in Pleiades)
NGC	1554/5	Nb	Tau DG 31	4h21m54.00s	+19°32'00.0"	0.5"x0.5'			vF,S,variable,!!!; Hind's Variable Neb; associated w T Tauri□
NGC	1746	OC	Tau OCL 452	5h03m48.00s	+23°46'00.0"	42.0"x42.0'	6.1	13.96	Cl,P
PK	171-25.1	Pl	Tau Baade 1	3h53m30.00s	+19°28'00.0"	0.6"x0.6'	13.9	14.80	
NGC	598	Gx	Tri M 33	1h33m54.00s	+30°39'00.0"	68.7"x41.6'	5.7	14.20	eB,el,R,vglbMN; Local Group; Pinwheel Galaxy; H V 17
NGC	672	Gx	Tri UGC 1256	1h47m54.00s	+27°26'00.0"	7.5"x2.6'	10.9	13.90	F,p,L,mE80;H I 157; Brightest in group; coarse spiral
NGC	925	Gx	Tri UGC 1913	2h27m18.00s	+33°35'00.0"	10.9"x6.2'	10.1	14.40	cF,cL,E,vglbM,2*13 np;H III 177;NGC 1023 group; coarse spiral
M	40	D*	UMa M 40	12h21m54.00s	+58°05'60.0"	> 0.1'	8.7	8.70	* 9.0 & 9.3 mag 50" sep; No neby
NGC	2681	Gx	UMa UGC 4645	8h53m30.00s	+51°19'00.0"	3.7"x3.7'	10.3	12.80	vB,vL,vglbMN; Compact center And distinct spiral arms
NGC	2693	Gx	UMa UGC 4674	8h57m00.00s	+51°20'60.0"	3.0"x2.1'	11.9	13.60	pB,IE,psmbM;H II 823; very Compact
NGC	2805	Gx	UMa UGC 4936	9h20m18.00s	+64°05'60.0"	6.3"x4.5'	11.0	14.60	vF,L,R,mbM;H III 878; slightly asym; many irreg res vF knotty arms; multi sys
NGC	2841	Gx	UMa UGC 4966	9h22m00.00s	+50°59'00.0"	7.7"x3.6'	9.2	12.70	vB,L,vntE151,vsmbM = *10;H I 205; fine spiral w symmetrical whorls
NGC	2976	Gx	UMa UGC 5221	9h47m12.00s	+67°54'60.0"	6.2"x3.1'	10.2	13.00	B,vL,mE152, st inv;H I 285;B main body; chaotic inner w many dk lane; F outer disc
NGC	3031	Gx	UMa M 81	9h55m36.00s	+69°04'00.0"	24.9"x11.5'	6.9	13.20	! eB,el,E 156,gsmbM,BN; brightest in group; fine spiral
NGC	3034	Gx	UMa M 82	9h55m54.00s	+69°41'00.0"	10.5"x5.1'	8.4	12.50	vB,vL,vntE(ray);M81 group; eruptive; H IV 79
NGC	3077	Gx	UMa UGC 5398	10h03m18.00s	+68°43'60.0"	5.2"x4.7'	9.9	13.10	cB,cL,mbM,R w ray;H I 286;M81 group; dust streamers tending to radial direction
NGC	3079	Gx	UMa UGC 5387	10h02m00.00s	+55°41'00.0"	8.1"x1.3'	10.9	13.40	vB,L,mE 135, long streak; H V 47; brightest of 3; Comp 6.5 nf; 0.9'X0.4'; mag 14.6
NGC	3184	Gx	UMa UGC 5557	10h18m18.00s	+41°25'00.0"	7.6"x7.4'	9.8	13.90	pB,vL,R,vglbM;H I 168;svBN; smooth lens w spiral pattern of dark markings
NGC	3198	Gx	UMa UGC 5572	10h19m54.00s	+45°33'00.0"	8.1"x3.0'	10.3	13.80	pB,vL,mE 45,vgbM;H I 199;svBN in bar partly obscured on one side
NGC	3310	Gx	UMa UGC 5786	10h38m48.00s	+53°30'00.0"	2.8"x2.6'	10.8	12.80	cB,pL,R,vglbMN 15";H IV 60; UGC 5786
NGC	3319	Gx	UMa UGC 5789	10h39m12.00s	+41°41'00.0"	6.1"x3.4'	11.1	14.20	cF,L,mE;H III 700; flattened central region along NE-SW coarse spiral
NGC	3448	Gx	UMa UGC 6024	10h54m36.00s	+54°18'00.0"	5.6"x1.7'	12.1	14.40	B,p,L,mE 67,gbM;H I 233;P w UGC 6016; bridge; UGC 6024; Arp 205; near 44 UMa
NGC	3556	Gx	UMa M 108	11h11m30.00s	+55°40'00.0"	8.6"x2.4'	10.0	13.10	cB,vL,vntE 79,pBM,H V 46;M 97 is 48' SE; nearly edge-on
NGC	3587	Pl	UMa M 97	11h14m48.00s	+55°01'00.0"	3.4"x3.3'	11.0	12.10	!! vB,vL,R,vglbMN; Owl Nebula; PK148+57.1
NGC	3614	Gx	UMa UGC 6318	11h18m24.00s	+45°45'00.0"	4.8"x2.9'	11.6	14.10	F,p,L,IE 90,glbM,r H II 729; comp at 2.6'; PA220; 0.9'X0.7' dwarf; dif; patchy
NGC	3631	Gx	UMa UGC 6360	11h21m00.00s	+53°10'00.0"	5.0"x4.8'	10.4	13.70	pB,L,R,svmbMrN;H I 226;SN 1964a; UGC 6360; Arp 27
NGC	3642	Gx	UMa UGC 6385	11h22m18.00s	+59°04'00.0"	5.5"x4.7'	11.2	14.50	pB,pL,R,vglbM
NGC	3675	Gx	UMa UGC 6439	11h26m06.00s	+43°35'00.0"	6.2"x3.6'	10.2	13.20	vB,cL,vntE 0,vsmbMN; many st p H I 194; in field of 56 UMa
NGC	3718	Gx	UMa UGC 6524	11h32m36.00s	+53°04'00.0"	8.2"x3.5'	10.8	14.40	pB,vL,R,vglbM;H I 221;P w NGC 3729 at 11.5'ENE; cent dust lane spri arms

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer DESC
NGC	3726	Gx	UMa	11h33m18.00s	+47°02'00.0"	6.0"x4.1"	10.4	13.80	pB,vL,IE 0,vsmbM *15,*11 n;H II 730;well defined spiral pattern
NGC	3729	Gx	UMa	11h33m48.00s	+53°08'00.0"	2.9"x1.9"	11.4	13.10	pB,pL,IE 0,gbM,*12 nr;H I 222;In field w NGC 3718
NGC	3945	Gx	UMa	11h53m12.00s	+60°40'00.0"	6.4"x4.2"	10.9	13.90	B,pL,R,gbmB,r,*12 sp;H I 251
NGC	3953	Gx	UMa	11h53m48.00s	+52°19'00.0"	6.9"x3.6"	10.1	13.40	cB,L,E 0,vsbm,fine spiral;H V 45;Comps 3.9;PA190;0.3'X0.1';4.6';PA156;0.4'X0.4'
NGC	3992	Gx	UMa	11h57m36.00s	+53°21'60.0"	7.5"x4.4"	9.8	13.60	cB,vL,pmE,sbM,BN,H IV 61;theta struc barred sp;Gamma UMa 40' NW
NGC	4051	Gx	UMa	12h03m12.00s	+44°32'00.0"	5.3"x4.4"	10.2	13.30	B,vL,E,vgvsmbM*11,vseBN or *,H IV 56;thick spiral arms
NGC	4088	Gx	UMa	12h05m36.00s	+50°32'00.0"	5.6"x2.1"	10.6	13.20	B,cL,E55,lbM;H I 206;P w NGC 4085 11" to south;distorted spir arms;UGC 7081
NGC	4605	Gx	UMa	12h40m00.00s	+61°35'60.0"	5.9"x2.4"	10.3	12.90	B,L,vmE118,glbM;H I 254
NGC	5204	Gx	UMa	13h29m36.00s	+58°25'00.0"	5.0"x3.0"	11.3	14.10	pB,cL,iR,gbmB,r;H IV 63;M 101 group;no def N;BM;highly res irreg arms
NGC	5457	Gx	UMa	14h03m12.00s	+54°20'60.0"	28.5"x 28.3"	7.9	14.90	pB,vL,iR,g,vsmbM,BSN,P w NGC 5474;SN 1909;spir galax w one heavy arm;B knot E
NGC	5474	Gx	UMa	14h05m00.00s	+53°40'00.0"	5.0"x4.5"	10.8	13.90	pB,L,bM,P w M101;H I 214;low surf. bright;smooth part res cent w vsFN;strongly asym
NGC	6068	Gx	UMi	15h55m24.00s	+79°00'00.0"	1.0"x0.7"	12.8	12.40	vF,vS,IE0,r;H III 973;nf of 2;distorted;UGC 10126
NGC	6217	Gx	UMi	16h32m36.00s	+78°11'60.0"	3.3"x3.2"	11.2	13.20	B,cL,IE,sbM;H I 280;Narrow filaments;Arp 185;UGC 10470
UGC	9749	Gx	UMi	15h08m48.00s	+67°11'60.0"	27.3"x 16.0"	10.9	17.80	13"-vF,L,E 1.5X1 at 60X; low surface brightnss;Ursa Minor Dwarf. Member Local Group
3C	273	Gx	Vir	12h29m06.00s	+02°06'00.0"	>0.1"	12.0	11.74	F,stellar,looks like D*;Brightest quasar;Finder Astronomy Mag Dec 79 pg 56
NGC	4030	Gx	Vir	12h00m24.00s	-01°06'00.0"	4.2"x3.2"	10.6	13.20	cB,L,vIE,psmbM,B* nr;H I 121;fine nearly face on spiral
NGC	4216	Gx	Vir	12h15m54.00s	+13°09'00.0"	7.8"x1.8"	10.0	12.80	vB,vL,vmE17,sbMN;H I 35;UGC 7284;edge on streak;two dHer in field
NGC	4261	Gx	Vir	12h19m24.00s	+05°49'00.0"	3.8"x3.5"	10.4	13.30	pB,ps,R,gbM H II 139;NGC 4264 @ 3.4";NGC 4257 @ 7.1;UGC 7360;3C270
NGC	4303	Gx	Vir	12h21m54.00s	+04°28'00.0"	6.5"x5.9"	9.6	13.40	vB,vL,vsbm* biN;SN 1926;1961;1964;NGC 4301 @ 10.0";H I 139;L face-on spiral
NGC	4365	Gx	Vir	12h24m30.00s	+07°19'00.0"	6.5"x4.9"	9.6	13.40	cB,pL,vIE,gl,smB;H I 30;NGC 4370 @ 10.0'
NGC	4374	Gx	Vir	12h25m06.00s	+12°53'00.0"	6.7"x6.0"	9.1	13.00	vB,pL,R,psbM;Markarian's chain;NGC 4387 @ 10.5';center of Virgo cluster
NGC	4406	Gx	Vir	12h26m12.00s	+12°57'00.0"	9.8"x6.3"	8.9	13.20	vB,L,R,gbMN;Markarian's chain;Comp suPerimposed @ 1.4";NGC 4402 @ 10.0'
NGC	4435	Gx	Vir	12h27m42.00s	+13°05'00.0"	3.0"x2.2"	10.8	12.50	vB,cL,R,np of 2 H I 28;Markarian's chain;NGC 4438 @ 4.3' SSE
NGC	4437	Gx	Vir	12h32m48.00s	+00°07'00.0"	10.2"x1.7"	11.2	14.04	F,eE75,*10 nf,=4517;NGC Copying error
NGC	4438	Gx	Vir	12h27m48.00s	+13°00'00.0"	8.5"x3.0"	10.2	13.60	B,cL,vIE,r,sf of 2;H I 28;Markarian's chain;NGC 4435 @ 4.4';long filaments
NGC	4472	Gx	Vir	12h29m48.00s	+08°00'00.0"	9.8"x8.2"	8.4	13.20	vB,L,R,mbM,r;NGC 4467 @ 4.2";NGC 4470 @ 10.5";NGC 4465 @ 5.8'
NGC	4486	Gx	Vir	12h30m48.00s	+12°23'00.0"	8.7"x6.6"	8.6	13.00	vB,vL,R,mbM,3 of 3;B in Virgo cluster;NGC 4486A @ 7.5' sst;NGC 4486B @ 7.3'
NGC	4526	Gx	Vir	12h34m00.00s	+07°42'00.0"	7.0"x2.5"	9.7	12.70	vB,vL,mE120,psmbM;H I 31;lenticular;between two 7th mag stars
NGC	4527	Gx	Vir	12h34m06.00s	+02°39'00.0"	5.9"x2.3"	10.5	13.10	pB,L,pmE89,mbM,vseBN or *,H II 37;SN 1915a;NGC 4536 @ 29.0
NGC	4535	Gx	Vir	12h34m18.00s	+08°12'00.0"	6.9"x5.4"	10.0	13.70	pF,vL,r,vseBN or *,H II 500;Ho 420b @ 5.0';S-shaped spiral
NGC	4536	Gx	Vir	12h34m24.00s	+02°11'00.0"	7.1"x3.1"	10.6	13.90	B,vL,mE110,sbM,er;H V 2;NGC 4533 @ 8.2';high tilt spiral w long curvd arms
NGC	4552	Gx	Vir	12h35m42.00s	+12°33'00.0"	5.3"x4.8"	9.8	13.20	pB,ps,R,gbmB;
NGC	4568	Gx	Vir	12h36m36.00s	+11°14'00.0"	4.6"x2.2"	10.8	13.10	vF,L,sf of Dneb H IV 9;NGC 4567 @ 1.2';overlaps 4567;Siamese Twins
NGC	4569	Gx	Vir	12h36m48.00s	+13°10'00.0"	9.9"x4.4"	9.5	13.40	pL,bMN;IC 3583 @ 6.0';vseBN in B diff bar w much dark matter
NGC	4579	Gx	Vir	12h37m42.00s	+11°49'00.0"	6.0"x4.8"	9.7	13.10	B,L,iR,vmbM;fine Compact spiral
NGC	4594	Gx	Vir	12h40m00.00s	-11°37'00.0"	8.6"x4.2"	8.0	11.60	ivB,vL,eE92,vsmbMN,H I 43;dark equatOriat lane;Sombrero galaxy
NGC	4621	Gx	Vir	12h42m00.00s	+11°39'00.0"	5.3"x4.0"	9.6	12.90	B,pL,IE,vsmbM,2 * p;B diff N;smooth arms

CAT I	NO TYPE	CON	CAT II	RA	DE	SIZE	MAG	SBR	Dreyer DESC
NGC	4636	Gx	Vir	NGC 4624?	12h42m48.00s	+02°41'00.0"	5.9x4.6'	9.5	13.10 B,L,IR,vgrvmbM,r,H II 38
NGC	4649	Gx	Vir	M 60	12h43m42.00s	+11°33'00.0"	7.6'x6.2'	8.8	vB,pL,R,f of Dneb,NGC 4647 @ 2.5'
NGC	4666	Gx	Vir	UGC 7926	12h45m06.00s	-00°28'00.0"	4.5'x1.4'	10.7	B,vL,mE45,psbM,H I 15;NGC 4668 @ 7.3';NGC 4653 @ 20.0';edge on
NGC	4697	Gx	Vir	MCG - 1-33- 10	12h48m36.00s	-05°48'00.0"	6.2'x4.5'	9.2	vB,L,IE45,smbMN,H I 39
NGC	4699	Gx	Vir	MCG - 1-33- 13	12h49m00.00s	-08°40'00.0"	3.8'x2.8'	9.5	vB,R,vmbMrN,r,H I 129
NGC	4754	Gx	Vir	UGC 8010	12h52m18.00s	+11°19'00.0"	4.4'x2.4'	10.6	B,pL,R,psbM,p of 2;H I 25;P w NGC 4762 11'to NW
NGC	4762	Gx	Vir	UGC 8016	12h52m54.00s	+11°14'00.0"	8.6'x2.0'	10.3	pB,vnE31,3 B * s,f of 2;H II 75;NGC 4754 @ 10.5';thick streak w tufts at ends
NGC	5496	Gx	Vir	UGC 9079	14h11m36.00s	-01°10'00.0"	4.7'x0.9'	12.1	pB,vL,E ns edge on w streaky dust lanes
NGC	5566	Gx	Vir	UGC 9175	14h20m18.00s	+03°56'00.0"	6.6'x2.3'	10.6	B,pL,R,psbM,r,*f1,5';H I 144;double galaxy
NGC	5584	Gx	Vir	UGC 9201	14h22m24.00s	-00°23'00.0"	3.4'x2.7'	11.4	F,L,mE,dif,glbM sh. B bar in lens;sev. part. res. branch filam arms
NGC	5634	Gb	Vir	GCL 28	14h29m36.00s	-05°59'00.0"	4.9'x4.9'	11.0	vB,cl,R,gbM,rr,st 19...,*8 sf;H I 70;11 mag star on E edge
NGC	5746	Gx	Vir	UGC 9499	14h44m54.00s	+01°57'00.0"	6.9'x1.2'	10.3	B,L,vnE170,bM,BN;H I 126;vsBN in B cent.bulge;NGC 5740 at 18';edge on
NGC	4567-8	Gx	Vir	NGC 4567-8	12h36m36.00s	+11°14'00.0"	4.6'x2.2'	10.8	vF,L,sf of Dneb H IV 9;NGC 4567 @ 1.2';overlaps 4567;Siamese Twins
Cr	399	OC	Vul	Cr 399	19h25m24.00s	+20°11'00.0"	140.0'x 50.0'	3.6	vL,B incl 4,5,7 Vulp;Brocchi's cluster;The Coathanger Cleasy naked eye
NGC	6802	OC	Vul	OCL 114	19h30m36.00s	+20°16'00.0"	3.2'x3.2'	8.8	Cl,L,vC,E0,st14...;18;H VI 14;Bar shaped along N-S
NGC	6853	Pl	Vul	M 27	19h59m36.00s	+22°43'00.0"	8.0'x5.7'	7.3	!!vB,vL,bl-N,IE,Dumbbell Neb;PK60-3,1;Lord Rosse drew 18* invl
NGC	6885	OC	Vul	OCL 152	20h11m54.00s	+26°29'00.0"	7.0'x7.0'	8.1	Cl,vB,vL,R,IC,*6..11;H VIII 20;With 20 Vul
NGC	6940	OC	Vul	OCL 141	20h34m24.00s	+28°17'00.0"	31.0'x 31.0'	6.3	Cl,vB,vL,vRi,cC;H VII 8;100 * mags 9...

Převodní tabulka katalogů

CAT I	NO	TYPE	CON	CAT II	M	H	C	R	CAT I	NO	TYPE	CON	CAT II	M	H	C	R
3C	273	Gx	Vir					27	NGC	134	Gx	Sci	ESO 350-23				
Abell	194	Gcl	Cet						NGC	147	Gx	Cas	UGC326;D3			17	
Abell	262	Gcl	And						NGC	185	Gx	Cas	UGC396		5	18	
Abell	347	Gcl	And						NGC	188	OC	Cep	OCL 309			1	
Abell	1367	Gcl	Leo					23	NGC	205	Gx	And	NGC 205	110	6		
Abell	1656	Gcl	Com	Coma I			35	29	NGC	210	Gx	Cet	MCG - 2- 2- 81				
Abell	2065	Gcl	CrB					32	NGC	221	Gx	And	NGC 221	32			
Abell	2162	Gcl	CrB						NGC	224	Gx	And	NGC 224	31			
B	3.4	Drk	Per						NGC	225	OC	Cas	OCL 305		7		
B	33	Drk	Ori						NGC	246	PI	Cet	PK 118-74.1		8	56	
B	34	Drk	Aur						NGC	247	Gx	Cet	ESO 540-22		9	62	
B	72	Nb	Oph					34	NGC	253	Gx	Sci	ESO 474-29		10	65	
B	87	Nb	Sgr						NGC	255	Gx	Cet	MCG - 2- 3- 17				
B	92	Nb	Sgr						NGC	281	C+N	Cas	IC11				
B	145	Drk	Cyg	LDN 865					NGC	288	Gb	Sci	ESO 474-SC37		12		
B	150	Drk	Cep						NGC	300	Gx	Sci	ESO 295-20			70	
B	152	Drk	Cep						NGC	404	Gx	And	UGC718		14		
B	287	Drk	Sco						NGC	457	OC	Cas	OCL 321		16	13	
B	169-71	Drk	Cep	LDN 1151					NGC	470	Gx	Psc	UGC858				
B	142-3	Drk	Aql						NGC	474	Gx	Psc	UGC864				
B 334,336-7		Drk	Aql						NGC	488	Gx	Psc	UGC907		17		
B	135-6	Drk	Aql						NGC	524	Gx	Psc	UGC968		18		
Basel	6	OC	Cyg						NGC	559	OC	Cas	OCL 322		19	8	
Berk	10	OC	Cam						NGC	581	OC	Cas	NGC 581	103			
Blanco	1	OC	Sci	Blanco 1					NGC	598	Gx	Tri	NGC 598	33	22		
Ced	90	Nb	Cma	Gum 3;RCW 1					NGC	609	OC	Cas	OCL 325				3
Cr	121	OC	CMa						NGC	613	Gx	Sci	ESO 413-11		23		
Cr	399	OC	Vul						NGC	628	Gx	Psc	NGC 628	74			
Harva	20	OC	Sge						NGC	651	PI	Per	NGC 651	76	26		
HCG	44	Gx	Leo						NGC	654	OC	Cas	OCL 330		27		
HCG	61	Gcl	Com						NGC	659	OC	Cas	OCL 332		28		
HCG	68	Gcl	CVn						NGC	660	Gx	Psc	UGC 1201				
HCG		Gx							NGC	663	OC	Cas	OCL 333		29	10	
IC	10	Gx	Cas	UGC192					NGC	672	Gx	Tri	UGC 1256				
IC	59	Nb	Cas	LBN 620				2	NGC	752	OC	And	OCL 363		31	28	
IC	63	Nb	Cas	LBN 623					NGC	772	Gx	Ari	UGC 1466		32		
IC	342	Gx	Cam	UGC 2847			5	9	NGC	869	OC	Per	OCL 350		34	14	
IC	348	C+N	Per						NGC	884	OC	Per	OCL 353		35	14	
IC	405	Nb	Aur	LBN 795			31	12	NGC	891	Gx	And	UGC 1831		36	23	
IC	410	Nb	Aur	NGC 1893					NGC	908	Gx	Cet	ESO 545-11		37		
IC	418	PI	Lep						NGC	925	Gx	Tri	UGC 1913				
IC	430	Nb	Ori	CED 55K					NGC	956	OC	And	OCL 377				
IC	434	Nb	Ori	LBN 954					NGC	1023	Gx	Per	UGC 2154		40		
IC	443	Nb	Gem	LBN 844				16	NGC	1039	OC	Per		34			
IC	1318	Nb	Cyg	Sh2-108				40	NGC	1049	Gb	For					6
IC	1396	C+N	Cep	OCL 222				42	NGC	1055	Gx	Cet	UGC 2173		43		
IC	1613	Gx	Cet	UGC668			51		NGC	1058	Gx	Per	UGC 2193				
IC	1795	Nb	Cas	LBN 645				4	NGC	1068	Gx	Cet	NGC 1068	77			
IC	1848	C+N	Cas	OCL 364					NGC	1073	Gx	Cet	UGC 2210				
IC	2149	PI	Aur	PK 166+10.1					NGC	1097	Gx	For	ESO 416-20			67	
IC	2177	Nb	Mon	Gum 2;Sh2-296;RCW 1				18	NGC	1232	Gx	Eri	ESO 547-14				
IC	4665	OC	Oph	OCL85					NGC	1275	Gx	Per	3C84;UGC 2669			24	7
IC	4715	OC	Sgr		24				NGC	1300	Gx	Eri	ESO 547-31				
IC	4725	OC	Sgr		25				NGC	1316	Gx	For					
IC	4756	OC	Aql						NGC	1342	OC	Per	OCL 401		46		
IC	4756	OC	Ser	Cr 386					NGC	1360	PI	For	PK 220-53.1				

CAT I	NO	TYPE	CON	CAT II	M	H	C	R	CAT I	NO	TYPE	CON	CAT II	M	H	C	R
IC	4997	PI	Sge	PK 58-10.1				39	NGC	1365	Gx	For					
IC	5068	Nb	Cyg	LBN 328					NGC	1491	Nb	Per	LBN 704				
IC	5070	Nb	Cyg	LBN 350					NGC	1499	Nb	Per	LBN 756				10
IC	5146	C+N	Cyg	OCL 213			19	43	NGC	1501	PI	Cam	PK 144+6.1	49			
IC	5332	Gx	Scl	ESO 408- 9					NGC	1502	OC	Cam	OCL 383	50			
MCG 06-03-015		Gx	Scl	Sculptor Dwarf					NGC	1514	PI	Tau	PK 165-15.1				
MCG 06-07-001		Gx	For						NGC	1528	OC	Per	OCL 397	52			
Mel	22	C+N	Tau	Mel 22	45				NGC	1535	PI	Eri	PK 206-40.1	53			
NGC	40	PI	Cep	PK 120+9.1		1	2		NGC	1545	OC	Per	OCL 399	54			
NGC	55	Gx	Scl	Dunlop 507			72		NGC	1582	OC	Per	OCL 407				
NGC	129	OC	Cas	OCL 294		2			NGC	1647	OC	Tau	OCL 457	55			
NGC	1744	Gx	Lep	ESO 486- 5					NGC	2693	Gx	UMa	UGC 4674				
NGC	1893	OC	Aur						NGC	2775	Gx	Cnc	UGC 4820	124	48		
NGC	1904	Gc	Lep	NGC 1904	79				NGC	2805	Gx	UMa	UGC 4936				
NGC	1907	OC	Aur	OCL 434		60			NGC	2832	Gx	Lyn	UGC 4942				
NGC	1912	OC	Aur	NGC 1912	38				NGC	2841	Gx	UMa	UGC 4966	128			
NGC	1931	C+N	Aur	OCL 441		61			NGC	2903	Gx	Leo	UGC 5079	130			
NGC	1952	Nb	Tau		1				NGC	2976	Gx	UMa	UGC 5221	134			
NGC	1960	OC	Aur	NGC 1960	36				NGC	3031	Gx	UMa	NGC 3031	81			
NGC	1973	Nb	Ori	CED 55B					NGC	3034	Gx	UMa	NGC 3034	82	136		
NGC	1975	Nb	Ori	CED 55C					NGC	3077	Gx	UMa	UGC 5398	137			
NGC	1976	C+N	Ori	NGC 1976	42				NGC	3079	Gx	UMa	UGC 5387	138			
NGC	1977	C+N	Ori	OCL 525					NGC	3115	Gx	Sex	MCG - 1-26- 18	139	53		
NGC	1981	OC	Ori	OCL 525					NGC	3162	Gx	Leo	NGC 3575				
NGC	1982	Nb	Ori	NGC 1982	43				NGC	3184	Gx	UMa	UGC 5557	143			
NGC	1999	Nb	Ori	LBN 979		65			NGC	3190	Gx	Leo	UGC 5559	144			
NGC	2022	PI	Ori	PK 196-10.1		66			NGC	3198	Gx	UMa	UGC 5572	146			
NGC	2024	Nb	Ori	CED 55P		67			NGC	3227	Gx	Leo	UGC 5620	148			
NGC	2068	Nb	Ori	NGC 2068	78				NGC	3239	Gx	Leo	UGC 5637				
NGC	2071	Nb	Ori	LBN 938					NGC	3242	PI	Hya	PK 261+32.1	149	59		
NGC	2099	OC	Aur	NGC 2099	37				NGC	3310	Gx	UMa	UGC 5786	153			
NGC	2129	OC	Gem	OCL 467		69			NGC	3319	Gx	UMa	UGC 5789				
NGC	2141	OC	Ori	OCL 487					NGC	3338	Gx	Leo	UGC 5826				
NGC	2158	OC	Gem	OCL 468		70			NGC	3351	Gx	Leo	NGC 3351	95			
NGC	2168	OC	Gem	NGC 2168	35				NGC	3368	Gx	Leo	NGC 3368	96			
NGC	2169	OC	Ori	OCL 481		71			NGC	3379	Gx	Leo	NGC 3379	105	156		
NGC	2175	C+N	Ori	OCL 476					NGC	3423	Gx	Sex	UGC 5962				
NGC	2194	OC	Ori	OCL 495		74			NGC	3448	Gx	UMa	UGC 6024				
NGC	2232	OC	Mon	OCL 545		77			NGC	3521	Gx	Leo	UGC 6150		165		
NGC	2237	C+N	Mon	OCL 511					NGC	3556	Gx	UMa	NGC 3556	108	166		
NGC	2238	Nb	Mon	LBN 948					NGC	3587	PI	UMa	NGC 3587	97			
NGC	2239	OC	Mon						NGC	3596	Gx	Leo	UGC 6277				
NGC	2242	PI	Aur	ZWG 204. 5					NGC	3605	Gx	Leo	UGC 6295				
NGC	2251	OC	Mon	OCL 499		79			NGC	3614	Gx	UMa	UGC 6318				
NGC	2264	C+N	Mon	OCL 495		80			NGC	3623	Gx	Leo	NGC 3623	65			
NGC	2281	OC	Aur	OCL 446		82			NGC	3626	Gx	Leo	NGC 3632		174	40	
NGC	2283	Gx	CMa	ESO 557-13					NGC	3627	Gx	Leo	NGC 3627	66			
NGC	2286	OC	Mon	OCL 548		83			NGC	3628	Gx	Leo	UGC 6350		175		
NGC	2287	OC	CMa	NGC 2287	41				NGC	3631	Gx	UMa	UGC 6360		176		
NGC	2301	OC	Mon	OCL 540		84			NGC	3640	Gx	Leo	UGC 6368		177		
NGC	2323	OC	Mon	NGC 2323	50				NGC	3642	Gx	UMa	UGC 6385				
NGC	2324	OC	Mon	OCL 542		87			NGC	3675	Gx	UMa	UGC 6439		180		
NGC	2331	OC	Gem	OCL 475					NGC	3718	Gx	UMa	UGC 6524				
NGC	2335	OC	Mon	OCL 562		88			NGC	3726	Gx	UMa	UGC 6537		182		
NGC	2353	OC	Mon	OCL 567		90			NGC	3729	Gx	UMa	UGC 6547		183		
NGC	2354	OC	CMa	OCL 639					NGC	3945	Gx	UMa	UGC 6860		193		

CAT I	NO	TYPE	CON	CAT II	M	H	C	R	CAT I	NO	TYPE	CON	CAT II	M	H	C	R
NGC	2355	OC	Gem	NGC 2356					NGC	3953	Gx	UMa	UGC 6870		195		
NGC	2359	Nb	CMa	LBN 1041					NGC	3992	Gx	UMa	NGC 3992	109	198		
NGC	2360	OC	CMa	OCL 589		93	58		NGC	4030	Gx	Vir	UGC 6993		202		
NGC	2362	OC	CMa	OCL 633		94	64		NGC	4038	Gx	Crv			204	60	
NGC	2366	Gx	Cam	UGC 3847					NGC	4039	Gx	Crv				61	
NGC	2371	PI	Gem	NGC 2372		95			NGC	4051	Gx	UMa	UGC 7030		206		
NGC	2374	OC	Mon	OCL 585					NGC	4064	Gx	Com	UGC 7054				
NGC	2392	PI	Gem	PK 197+17.1		97	39		NGC	4088	Gx	UMa	UGC 7081		208		
NGC	2395	OC	Gem	OCL 502					NGC	4111	Gx	CVn	UGC 7103		210		
NGC	2403	Gx	Cam	UGC 3918		99	7		NGC	4125	Gx	Dra	UGC 7118				
NGC	2419	Gb	Lyn	GCL 12		100	25	20	NGC	4145	Gx	CVn	UGC 7154				
NGC	2420	OC	Gem	OCL 488		101			NGC	4147	Gb	Com	NGC 4153		212		
NGC	2422	OC	Pup		47				NGC	4151	Gx	CVn	UGC 7166		214		
NGC	2437	OC	Pup		46				NGC	4192	Gx	Com	NGC 4192	98			
NGC	2447	OC	Pup		93				NGC	4214	Gx	CVn	NGC 4228		217		
NGC	2467	C+N	Pup	OCL 668					NGC	4216	Gx	Vir	UGC 7284		218		
NGC	2548	OC	Hya	NGC 2548	48	114			NGC	4236	Gx	Dra	UGC 7306			3	25
NGC	2549	Gx	Lyn	UGC 4313					NGC	4242	Gx	CVn	UGC 7323				
NGC	2632	OC	Cnc	NGC 2632	44				NGC	4244	Gx	CVn	UGC 7322			26	
NGC	2681	Gx	UMa	UGC 4645		120			NGC	4254	Gx	Com	NGC 4254	99			
NGC	2682	OC	Cnc	NGC 2682	67				NGC	4258	Gx	CVn	NGC 4258	106	221		
NGC	2683	Gx	Lyn	UGC 4641		121			NGC	4261	Gx	Vir	UGC 7360		222		
NGC	4274	Gx	Com	UGC 7377		224			NGC	5584	Gx	Vir	UGC 9201				
NGC	4293	Gx	Com	UGC 7405		227			NGC	5634	Gb	Vir	GCL 28		305		
NGC	4303	Gx	Vir	NGC 4303	61	228			NGC	5694	Gb	Hya	GCL 29		308	66	
NGC	4321	Gx	Com	NGC 4321	100				NGC	5746	Gx	Vir	UGC 9499		309		
NGC	4361	PI	Crv	ESO 573-PN19		232			NGC	5866	Gx	Dra					
NGC	4365	Gx	Vir	UGC 7488		233			NGC	5897	Gb	Lib	GCL 33		312		31
NGC	4374	Gx	Vir	NGC 4374	84				NGC	5904	Gb	Ser	NGC 5904	5			
NGC	4382	Gx	Com	NGC 4382	85				NGC	5907	Gx	Dra			313		
NGC	4395	Gx	CVn	UGC 7524					NGC	5921	Gx	Ser	UGC 9824				
NGC	4406	Gx	Vir	NGC 4406	86				NGC	5958	Gx	CrB	UGC 9909				
NGC	4414	Gx	Com	UGC 7539		236			NGC	5964	Gx	Ser	IC 4551				
NGC	4435	Gx	Vir			239			NGC	5985	Gx	Dra	UGC 9969				
NGC	4437	Gx	Vir	NGC 4517					NGC	5989	Gx	Dra					
NGC	4438	Gx	Vir	UGC 7574		240			NGC	6027	Gx	Ser	UGC 10116				33
NGC	4449	Gx	CVn	UGC 7592		243	21		NGC	6068	Gx	UMi	UGC 10126				
NGC	4450	Gx	Com	UGC 7594		244			NGC	6093	Gb	Sco	NGC 6093	80			
NGC	4472	Gx	Vir	NGC 4472	49				NGC	6118	Gx	Ser	UGC 10350		315		
NGC	4486	Gx	Vir	NGC 4486	87				NGC	6121	Gb	Sco	NGC 6121	4			
NGC	4490	Gx	CVn	UGC 7651		250			NGC	6144	Gb	Sco	GCL 42		316		
NGC	4494	Gx	Com	UGC 7662					NGC	6171	Gb	Oph	NGC 6171	107	317		
NGC	4501	Gx	Com	NGC 4501	88				NGC	6205	Gb	Her	NGC 6205	13			
NGC	4526	Gx	Vir	NGC 4560		252			NGC	6210	PI	Her	PK 43+37.1				
NGC	4527	Gx	Vir	UGC 7721		253			NGC	6217	Gx	UMi	UGC 10470		319		
NGC	4535	Gx	Vir	UGC 7727		254			NGC	6218	Gb	Oph	NGC 6218	12			
NGC	4536	Gx	Vir	UGC 7732		255			NGC	6229	Gb	Her	GCL 47		320		
NGC	4548	Gx	Com	NGC 4548	91	257			NGC	6254	Gb	Oph	NGC 6254	10			
NGC	4552	Gx	Vir	NGC 4552	89				NGC	6266	Gb	Oph	NGC 6266	62			
NGC	4559	Gx	Com	UGC 7766		259	36		NGC	6273	Gb	Oph	NGC 6273	19			
NGC	4565	Gx	Com	UGC 7772		260	38		NGC	6284	Gb	Oph	GCL 53		322		
NGC	4568	Gx	Vir	UGC 7776					NGC	6293	Gb	Oph	GCL 55		324		
NGC	4569	Gx	Vir	NGC 4569	90				NGC	6304	Gb	Oph	GCL 56		325		
NGC	4579	Gx	Vir	NGC 4579	58				NGC	6309	PI	Oph	PK 9+14.1				
NGC	4590	Gb	Hya	NGC 4590	68				NGC	6309	PI	Oph					
NGC	4594	Gx	Vir	NGC 4594	104	262			NGC	6316	Gb	Oph	GCL 57		326		

CAT I	NO	TYPE	CON	CAT II	M	H	C	R	CAT I	NO	TYPE	CON	CAT II	M	H	C	R
NGC	4605	Gx	UMa	UGC 7831					NGC	6333	Gb	Oph	NGC 6333	9			
NGC	4621	Gx	Vir	NGC 4621	59				NGC	6341	Gb	Her	NGC 6341	92			
NGC	4627	Gx	CVn	UGC 7860					NGC	6355	Gb	Oph	GCL 63		328		
NGC	4631	Gx	CVn	UGC 7865		265	32		NGC	6356	Gb	Oph	GCL 62		329		
NGC	4636	Gx	Vir	NGC 4624?		266			NGC	6402	Gb	Oph	NGC 6402	14			
NGC	4649	Gx	Vir	NGC 4649	60				NGC	6405	OC	Sco	NGC 6405	6			
NGC	4656	Gx	CVn	UGC 7907		269			NGC	6441	Gb	Sco	GCL 78				
NGC	4666	Gx	Vir	UGC 7926		272			NGC	6445	PI	Sgr	PK 8+3.1;H II 586		334		
NGC	4697	Gx	Vir	MCG - 1-33- 10		274	52		NGC	6475	OC	Sco	NGC 6475	7			
NGC	4699	Gx	Vir	MCG - 1-33- 13		276			NGC	6480	C+N	Sco	ESO 456-?13				
NGC	4725	Gx	Com	UGC 7989		277			NGC	6495	OC	Sgr	NGC 6494	23			
NGC	4736	Gx	CVn	NGC 4736	94				NGC	6503	Gx	Dra	UGC 11012				
NGC	4754	Gx	Vir	UGC 8010		279			NGC	6514	C+N	Sgr	NGC 6514	20	336		
NGC	4762	Gx	Vir	UGC 8016		280			NGC	6520	OC	Sgr	OCL10		338		
NGC	4826	Gx	Com	NGC 4826	64				NGC	6522	Gb	Sgr	GCL 82		339		
NGC	4889	Gx	Com	NGC 4884					NGC	6523	C+N	Sgr	NGC 6523	8			
NGC	5005	Gx	CVn	UGC 8256		289	29		NGC	6528	Gb	Sgr	GCL 84		340		
NGC	5024	Gb	Com	NGC 5024	53				NGC	6530	OC	Sgr	OCL19				
NGC	5033	Gx	CVn	UGC 8307		290			NGC	6531	OC	Sgr	NGC 6531	21			
NGC	5053	Gb	Com	GCL 23				30	NGC	6535	Gb	Ser	GCL 83				
NGC	5055	Gx	CVn	NGC 5055	63				NGC	6543	PI	Dra	PK 96+29.1		342	6	
NGC	5078	Gx	Hya	ESO 508-48					NGC	6544	Gb	Sgr	GCL 87		343		
NGC	5194	Gx	CVn	NGC 5194	51				NGC	6553	Gb	Sgr	GCL 88		344		
NGC	5204	Gx	UMa	UGC 8490					NGC	6569	Gb	Sgr	GCL 91		346		
NGC	5236	Gx	Hya	NGC 5236	83				NGC	6572	PI	Oph	PK 34+11.1				
NGC	5248	Gx	Boo	UGC 8616		293	45		NGC	6603	OC	Sgr					
NGC	5272	Gb	CVn	NGC 5272	3				NGC	6611	C+N	Ser	NGC 6611	16			
NGC	5297	Gx	CVn	UGC 8709					NGC	6613	OC	Sgr	NGC 6613	18			
NGC	5457	Gx	UMa	NGC 5457	101				NGC	6618	C+N	Sgr	NGC 6618	17			
NGC	5474	Gx	UMa	UGC 9013		300			NGC	6624	Gb	Sgr	GCL 93		348		
NGC	5496	Gx	Vir	UGC 9079					NGC	6626	Gb	Sgr	NGC 6626	28			
NGC	5556	Gx	Hya	ESO 446-50					NGC	6633	OC	Oph	OCL90		350		
NGC	5566	Gx	Vir	UGC 9175		302			NGC	6637	Gb	Sgr	NGC 6637	69			
NGC	6645	OC	Sgr	OCL48		353			NGC	7209	OC	Lac	OCL 215		384		
NGC	6652	Gb	Sgr	GCL 98					NGC	7217	Gx	Peg	UGC 11914		385		
NGC	6656	Gb	Sgr	NGC 6656	22				NGC	7243	OC	Lac	OCL 221		386	16	
NGC	6664	OC	Sct	OCL68		354			NGC	7293	PI	Aqr	PK 36-57.1			63	
NGC	6681	Gb	Sgr	NGC 6681	70				NGC	7315	Gx	Peg	UGC 12097				
NGC	6683	OC	Sct	OCL74					NGC	7331	Gx	Peg	UGC 12113		388	30	
NGC	6694	OC	Sct	NGC 6694	26				NGC	7354	PI	Cep	PK 107+2.1				
NGC	6705	OC	Sct	NGC 6705	11				NGC	7377	Gx	Aqr					
NGC	6712	Gb	Sct	GCL 103		355			NGC	7380	OC	Cep	OCL 244		389		
NGC	6715	Gb	Sgr	NGC 6715	54				NGC	7479	Gx	Peg	UGC 12343		391	44	
NGC	6720	PI	Lyr	NGC 6720	57				NGC	7510	OC	Cep	OCL 256		392		
NGC	6738	OC	Aql	OCL 101					NGC	7600	Gx	Aqr	MCG - 1-59- 19				
NGC	6749	Gb	Aql	GCL 107					NGC	7606	Gx	Aqr	MCG - 2-59- 12		393		
NGC	6751	PI	Aql	PK 29-5.1					NGC	7619	Gx	Peg	UGC 12523				
NGC	6755	OC	Aql	OCL96		356			NGC	7626	Gx	Peg	UGC 12531				
NGC	6756	OC	Aql	OCL99		357			NGC	7635	Nb	Cas	LBN 549			11	
NGC	6760	Gb	Aql	GCL 109					NGC	7640	Gx	And	UGC 12554				
NGC	6765	PI	Lyr	PK 62+9.1					NGC	7654	OC	Cas	NGC 7654	52			
NGC	6779	Gb	Lyr	NGC 6779	56				NGC	7662	PI	And	PK 106-17.1		394	22	
NGC	6781	PI	Aql	PK 41-2.1		358			NGC	7741	Gx	Peg	UGC 12754				
NGC	6791	OC	Lyr	OCL 142				35	NGC	7743	Gx	Peg	UGC 12759				
NGC	6802	OC	Vul	OCL 114		359			NGC	7762	OC	Cep	OCL 280				
NGC	6803	PI	Aql	PK 46-4.1					NGC	7788	OC	Cas	OCL 275				

CAT I	NO	TYPE	CON	CAT II	M	H	C	R	CAT I	NO	TYPE	CON	CAT II	M	H	C	R
NGC	6804	PI	Aql	PK 45-4.1					NGC	7814	Gx	Peg	UGC 8		400	43	
NGC	6809	Gb	Sgr	NGC 6809	55				NGC	7822	Nb	Cep	LBN 589				1
NGC	6811	OC	Cyg	OCL 185					NGC	7317-20	Gx	Peg					44
NGC	6814	Gx	Aql	MCG - 2-50- 1					NGC	1432/5	Nb	Tau	CED 19I				8
NGC	6818	PI	Sgr	PK 25-17.1		360			NGC	1554/5	Nb	Tau	DG 31				11
NGC	6822	Gx	Sgr	IC 4895			57	38	NGC	1746	OC	Tau	OCL 452				
NGC	6826	PI	Cyg	PK 83+12.1		362	15		NGC	4567-8	Gx	Vir					
NGC	6834	OC	Cyg	OCL 134		364			Pal	5	Gb	Ser					
NGC	6838	Gb	Sge	NGC 6838	71				Pal	8	Gb	Sgr					
NGC	6853	PI	Vul	NGC 6853	27				Pal	10	Gb	Sge					
NGC	6864	Gb	Sgr	NGC 6864	75				Pal	11	Gb	Aql					
NGC	6866	OC	Cyg	OCL 183		365			Pal	12	Gb	Cap					
NGC	6871	OC	Cyg	OCL 148					PK	164+31.1	PI	Lyn					21
NGC	6883	OC	Cyg	OCL 148					PK	80-6.1	PI	Cyg	IV Zw 67				41
NGC	6884	PI	Cyg	PK 82+7.1					PK	104-29.1	PI	Peg	Jones 1				45
NGC	6885	OC	Vul	OCL 152		367	37		PK	118+ 2.1	PI	Cas	Sh1-118				
NGC	6886	PI	Sge	PK 60-7.2					PK	13+32.1	PI	Ser	Shane 1				
NGC	6888	Nb	Cyg	LBN 203			27		PK	171-25.1	PI	Tau	Baade 1				
NGC	6905	PI	Del	PK 61-9.1;H IV 16		368			PK	194+ 2.1	PI	Gem	J 900				
NGC	6913	OC	Cyg	NGC 6913	29				PK	198- 6.1	PI	Ori	Abell 12				15
NGC	6934	Gb	Del	GCL 117		370	47		PK	205+14.1	PI	Gem	Abell 21				19
NGC	6939	OC	Cep	OCL 217		371			PK	219+31.1	PI	Cnc	Abell 31				
NGC	6940	OC	Vul	OCL 141		372			PK	303+40.1	PI	Hya	Abell 35				
NGC	6946	Gx	Cep	UGC 11597		373	12		PK	342+27.1	PI	Lib	Merrill 2-1				
NGC	6951	Gx	Cep	NGC 6952					PK	357 +7.1	PI	Oph	M4- 3				
NGC	6960	Nb	Cyg				34		PK	47+42.1	PI	Her	Abell 39				
NGC	6981	Gb	Aqr	NGC 6981	72				PK	64+ 5.1	PI	Cyg	BD+30 3639				36
NGC	6992	Nb	Cyg	CED 182B			33		Sh	2-276	Nb	Ori					14
NGC	6994	OC	Aqr	NGC 6994	73				Sh	2-155	Nb	Cep			9		
NGC	7000	Nb	Cyg	LBN 373		374	20		Steph 1		OC	Lyr					
NGC	7006	Gb	Del	GCL 119		375	42		Tombaugh 5		OC	Cam					
NGC	7008	PI	Cyg	PK 93+5.2		376			UGC	3697	Gx	Cam					
NGC	7009	PI	Aqr	PK 37-34.1		377	55		UGC	5470	Gx	Leo	Leo I				22
NGC	7013	Gx	Cyg	UGC 11670					UGC	9749	Gx	UMi	Ursa Minor Dwarf				
NGC	7023	C+N	Cep	OCL 235			4		UGC	10822	Gx	Dra	Draco Dwarf				
NGC	7026	PI	Cyg	PK 89+0.1					UGC	12613	Gx	Peg	Pegasus Dwarf				
NGC	7027	PI	Cyg	PK 84-3.1					UGC	12632	Gx	And					
NGC	7048	PI	Cyg	PK 88-1.1					UGCA 205		Gx	Sex	MCG -01-26-030				
NGC	7063	OC	Cyg	OCL 192					vdB	24	Nb	Per					
NGC	7078	Gb	Peg	NGC 7078	15				G1		Gb	And	Mayall II				
NGC	7089	Gb	Aqr	NGC 7089	2				Gum 1		Nb	Mon	RCW 2				
NGC	7092	OC	Cyg		39				M 1-92		Nb	Cyg					37
NGC	7099	Gb	Cap	NGC 7099	30				Maffei 1		Gx	Cas					5
NGC	7129	C+N	Cep	OCL 240							D*	UMa	Winnecke 4	40			
NGC	7790	OC	Cas	OCL 276		399											
NGC	7793	Gx	Sci	ESO 349-12													

Česká a anglická jména vybraných objektů

NAME	CAT I	NO	TYPE	CON	RA	DE	SIZE	MAG	SBR	M	C	R
Antennae	NGC	4038-9	Gx	CrV	12h01m54.00s	-18°52'60.0"	2.6'	10.7	12.51		61	
Barnard's loop	Sh	2-276	Nb									
Barnard's galaxy	NGC	6822	Gx	Sgr	19h44m54.00s	-14°48'00.0"	15.4'x 14.2'	8.8	14.50		57	38
Beehive cluster	NGC	2632	OC	Cnc	8h40m00.00s	+19°40'00.0"	95.0'x 95.0'	3.1	13.00	44		
Black eye galaxy	NGC	4826	Gx	Com	12h56m42.00s	+21°41'00.0"	10.3'x5.0'	8.5	12.70	64		
Black hole in Sagittarius	B	92	Nb	Sgr	18h15m30.00s	-18°11'00.0"	12.0'x6.0'					
Blinking nebula	NGC	6826	PI	Cyg	19h44m48.00s	+50°32'00.0"	0.4'x0.4'	8.8	6.90		15	
Blue flash	NGC	6905	PI	Del	20h22m24.00s	+20°06'00.0"	0.7'x0.6'	12.0	10.00			
Blue snowball	NGC	7662	PI	And	23h25m54.00s	+42°32'00.0"	0.3'x0.2'	8.6	5.60		22	
Bode's nebula	NGC	3031	Gx	UMa	9h55m36.00s	+69°04'00.0"	24.9'x 11.5'	6.9	13.20	81		
Box nebula	NGC	6309	PI	Oph	17h14m06.00s	-12°55'00.0"	0.3'x0.2'	11.6	8.60			
Broochi's cluster	Cr	399	OC	Vul	19h25m24.00s	+20°11'00.0"	140.0'x 50.0'	3.6	12.95			
Bubble nebula	NGC	7635	Nb	Cas	23h20m12.00s	+61°11'00.0"	15.0'x8.0'	11.0	15.94		11	
Butterfly cluster	NGC	6405	OC	Sco	17h40m18.00s	-32°15'00.0"	20.0'x 20.0'	4.2	10.00	6		
California nebula	NGC	1499	Nb	Per	4h03m12.00s	+36°21'60.0"	160.0'x 40.0'	5.0	14.26		10	
Campbell's nebula	PK	64+ 5.1	PI	Cyg	19h34m48.00s	+30°31'00.0"	0.1'x0.1'	9.6	6.90		36	
Cat's eye nebula	NGC	6543	PI	Dra	17h58m36.00s	+66°37'60.0"	0.4'x0.3'	8.3	5.00		6	
Cave nebula	Sh	2-155	Nb	Cep	22h56m48.00s	+62°36'60.0"	50.0'x 30.0'				9	
Cocoon galaxy	NGC	4490	Gx	CVn	12h30m36.00s	+41°39'00.0"	6.4'x3.2'	9.8	12.90			
Cocoon nebula	IC	5146	C+N	Cyg	21h53m24.00s	+47°16'00.0"	20.0'x 10.0'	10.0	15.49		19	43
Coma cluster	Abell	1656	Gcl	Com	12h59m48.00s	+27°59'00.0"	157.0'x157.0'	11.0	21.72		35	29
Copeland's septet	HCG	57	Gcl	Leo	11h37m54.00s	+21°59'00.0"						
Crab nebula	NGC	1952	Nb	Tau	5h34m30.00s	+22°01'00.0"	8.0'x4.0'	8.4	11.00	1		
Crescent nebula	NGC	6888	Nb	Cyg	20h12m48.00s	+38°19'00.0"	20.0'x 10.0'	10.0	15.49		27	
Draco dwarf	UGC	10822	Gx	Dra	17h20m12.00s	+57°55'00.0"	33.5'x 18.9'	9.9	17.20			
Dumbbell nebula	NGC	6853	PI	Vul	19h59m36.00s	+22°43'00.0"	8.0'x5.7'	7.3	11.20	27		
Eagle nebula	NGC	6611	C+N	Ser	18h18m48.00s	-13°47'00.0"	7.0'x7.0'	6.0	12.00	16		
Eastern veil	NGC	6992	Nb	Cyg	20h56m24.00s	+31°43'00.0"	60.0'x8.0'	7.0	13.44		33	
Eskimo nebula	NGC	2392	PI	Gem	7h29m12.00s	+20°55'00.0"	0.8'x0.7'	8.6	6.80		39	
Eyes	NGC	4435	Gx	Vir	12h27m42.00s	+13°05'00.0"	3.0'x2.2'	10.8	12.50			
Flaming star nebula	IC	405	Nb	Aur	5h16m30.00s	+34°20'60.0"	50.0'x 30.0'	10.0	17.68		31	12
Fomax dwarf	MCG	06-07-001	Gx	For	2h39m54.00s	-34°32'00.0"	17.0'x 12.0'	8.1	13.90			
Ghost of Jupiter	NGC	3242	PI	HyA	10h24m48.00s	-18°39'00.0"	0.7'x0.6'	8.6	5.40		59	
Great hercules cluster	NGC	6205	Gb	Her	16h41m42.00s	+36°28'00.0"	23.2'x 23.2'	5.9	12.00	13		
h Persei	NGC	869	OC	Per	2h19m06.00s	+57°08'00.0"	30.0'x 30.0'	5.3	12.43		14	
Helix nebula	NGC	7293	PI	Aqr	22h29m36.00s	-20°50'00.0"	16.0'x 12.0'	6.3	13.60		63	
Hind's variable nebula	NGC	1554/5	Nb	Tau	4h21m54.00s	+19°32'00.0"	0.5'x0.5'					11

NAME	CAT I	NO	TYPE	CON	RA	DE	SIZE	MAG	SBR	M	C	R
Horse nebula	IC	434	Nb	Ori	5h41m00.00s	-02°27'00.0"	90.0"x 30.0"	11.0	19.32			
chi Persei	NGC	884	OC	Per	2h22m30.00s	+57°09'00.0"	30.0"x 30.0"	6.1	13.23		14	
Integral sign	UGC	3697	Gx	Cam	7h11m24.00s	+71°50'00.0"	3.5"x0.3"	12.9	12.20			
Intergalactic wanderer	NGC	2419	Gb	Lyn	7h38m06.00s	+38°53'00.0"	6.2"x6.2"	10.4	14.10		25	20
Lagoon nebula	NGC	6523	C+N	Sgr	18h03m42.00s	-24°23'00.0"	45.0"x 30.0"	5.0	13.00	8		
Leo I	UGC	5470	Gx	Leo	10h08m24.00s	+12°18'00.0"	10.7"x8.3"	10.2	14.80			22
Little Dumbbell nebula	NGC	651	Pl	Per	1h42m18.00s	+51°35'00.0"	2.7"x1.8"	11.0	10.40	76		
Medusa nebula	PK	205+14.1	Pl	Gem	7h29m00.00s	+13°15'00.0"	10.0"x6.0"	14.1	16.40			19
North America nebula	NGC	7000	Nb	Cyg	21h01m48.00s	+44°12'00.0"	120.0"x 30.0"	4.0	12.63		20	
Omega nebula	NGC	6618	C+N	Sgr	18h20m48.00s	-16°11'00.0"	11.0"x 11.0"	6.0	13.00	17		
Owl cluster	NGC	457	OC	Cas	1h19m30.00s	+58°17'00.0"	13.0"x 13.0"	6.4	11.71		13	
Owl nebula	NGC	3587	Pl	UMa	11h14m48.00s	+55°01'00.0"	3.4"x3.3"	11.0	12.10	97		
Parrot's head	B	87	Nb	Sgr	18h04m18.00s	-32°30'00.0"	12.0"x 12.0"					
Pegasus Dwarf	UGC	12613	Gx	Peg	23h28m36.00s	+14°45'00.0"	4.6"x3.0"	12.0	14.59			
Pelican nebula	IC	5070	Nb	Cyg	20h50m48.00s	+44°20'60.0"	60.0"x 50.0"	8.0	16.43			
Perseus A	NGC	1275	Gx	Per	3h19m48.00s	+41°31'00.0"	2.3"x1.6"	11.9	13.10		24	7
Pinwheel galaxy	NGC	598	Gx	Tri	1h33m54.00s	+30°39'00.0"	68.7"x 41.6"	5.7	14.20	33		
Pinwheel nebula	NGC	4254	Gx	Com	12h18m48.00s	+14°25'00.0"	5.3"x4.6"	9.9	13.20	99		
Ring nebula	NGC	6720	Pl	Lyr	18h53m36.00s	+33°02'00.0"	1.4"x1.0"	9.4	9.30	57		
S nebula	B	72	Nb	Oph	17h23m30.00s	-23°38'00.0"	30.0"x 30.0"					34
Saturn nebula	NGC	7009	Pl	Aqr	21h04m12.00s	-11°22'00.0"	0.5"x0.4"	8.3	6.20		55	
Sculptor Dwarf	MCG	06-03-015	Gx	Sci	0h59m54.00s	-33°42'00.0"	40.0"x 31.0"	10.5	17.10			
Sculptor galaxy	NGC	253	Gx	Sci	0h47m36.00s	-25°18'00.0"	26.4"x6.0"	7.2	12.70		65	
Sextans A	UGCA	205	Gx	Sex	10h11m00.00s	-04°43'00.0"	5.9"x4.9"	11.5	15.00			
Seyfert's sextet	NGC	6027	Gx	Ser	15h59m12.00s	+20°46'00.0"	1.9"x1.0"	14.3	11.70			33
Siamese twins	NGC	4567-8	Gx	Vir	12h36m36.00s	+11°14'00.0"	4.6"x2.2"	10.8	13.10			
Sombrero galaxy	NGC	4594	Gx	Vir	12h40m00.00s	-11°37'00.0"	8.6"x4.2"	8.0	11.60	104		
Spindle galaxy	NGC	3115	Gx	Sex	10h05m12.00s	-07°43'00.0"	7.3"x3.4"	8.9	11.90		53	
Stephan's quintet	NGC	7317-20	Gx	Peg	22h36m06.00s	+33°57'00.0"						
Sunflower galaxy	NGC	5055	Gx	CVn	13h15m48.00s	+42°02'00.0"	12.6"x7.5"	8.6	13.30	63		
Tau CMA cluster	NGC	2362	OC	CMA	7h18m42.00s	-24°57'00.0"	8.0"x8.0"	4.1	8.36		64	
Trifid nebula	NGC	6514	C+N	Sgr	18h02m42.00s	-22°58'00.0"	28.0"x 28.0"	6.3	13.00	20		
Ursa minor dwarf	UGC	9749	Gx	Umi	15h08m48.00s	+67°11'60.0"	27.3"x 16.0"	10.9	17.80			34
Western veil (cirrus neb.)	NGC	6960	Nb	Cyg	20h45m42.00s	+30°43'00.0"	70.0"					
Whirpool galaxy	NGC	5194	Gx	CVn	13h29m54.00s	+47°12'00.0"	10.8"x6.6"	8.4	12.90	51		
Wild duck cluster	NGC	6705	OC	Sci	18h51m06.00s	-06°16'00.0"	14.0"x 14.0"	5.8	9.00	11		
Zeta Sculptoris cluster	Blanco 1		OC	Sci	0h04m18.00s	-29°56'00.0"	90.0"x 90.0"	4.5	14.01			