

Galaxy Illusions

Texas Star Party 2013

Advanced Observing Program

List created by
Larry Mitchell and Jim Chandler

Observing Guide compiled by
Alvin Huey
FaintFuzzies.com



Texas Star Party

Other books by Alvin H. Huey

Hickson Group Observer's Guide, 2nd edition
The Abell Planetary Observer's Guide, 2nd edition
Observing the Arp Peculiar Galaxies

Downloadable Guides by FaintFuzzies.com

The Local Group
Selected Small Galaxy Groups
Galaxy Trios and Triple Systems
Selected Shakhbazian Groups
Globular Clusters
Observing Planetary Nebulae and Supernovae Remnants
Observing the Abell Galaxy Clusters
The Rose Catalogue of Compact Galaxies
Flat Galaxies
Ring Galaxies
Variable Galaxies
The Voronstov-Velyaminov Catalogue – Part I and II
Object of the Week 2012 and 2013 – Deep Sky Forum

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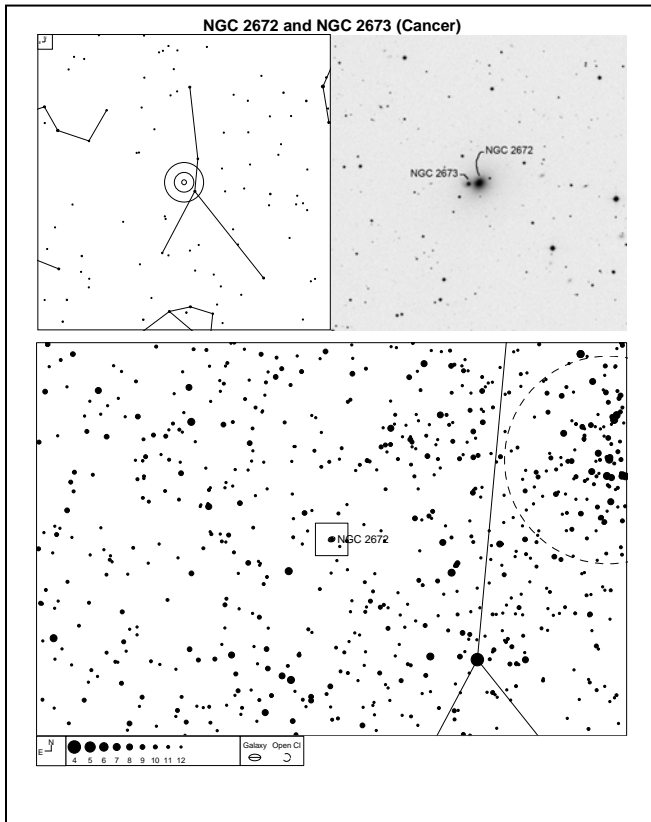
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Texas Star Party 2013 - Galaxy Illusions List

Pg	Object	RA	Dec	Const	Size	Mag	z	Distance	U1
8	NGC 2672	08 49 21.9	+ 19 04 30	Cnc	2.9 x 2.7	12.7B	0.014487	195M	U-142
	NGC 2673				1.2'	14.3	0.012535	169M	
9	NGC 2872	09 25 42.6	+ 11 25 56	Leo	1.6 x 1.4	12.8	0.010661	144M	U-188
	NGC 2874				2.8 x 0.8	13.4	0.012619	170M	
10	PGC 30467	10 23 47.1	+ 53 06 28	Uma	0.7 x 0.6	13.8	0.031385	419M	U-45
	PGC 30466				0.7 x 0.4	13.5	0.033451	446M	
11	UGC 5770	10 37 04.9	+ 20 26 27	Leo	0.9 x 0.9	15.4	0.042156	568M	U-145
	UGC 5769				1.0 x 0.9	15.3	0.043251	582M	
12	NGC 3314A	10 37 12.8	- 27 41 02	Hya	1.6 x 0.7	14.4	0.009510	128M	U 325
	NGC 3314B				1.3 x 0.6	13.8	0.015481	208M	
13	UGC 5818	10 41 15.7	+ 06 21 41	Leo	1.1 x 0.7	14.6	0.020864	280M	U-190
	CGCG 37-114				.8 x 0.7	14.8	0.019264	259M	
14	MCG +7-22-57	10 45 24.9	+ 39 09 50	LMi	0.8 x 0.2	14.9	0.025554	342M	U-72
	MCG +7-22-58				0.8 x 0.8	15.3	0.026498	355M	
15	UGC 5904	10 48 37.9	+ 66 21 43	Uma	2.0 x 0.3	13.9	0.021985	295M	U-24
	MCG +11-13-38B				0.5 x 0.3	16.0	0.024041	322M	
16	Markarian 421	11 04 27.3	+ 38 12 32	Uma	Stellar	13.3Var	0.030021	401M	U-106
	PGC 33453	11 04 28.3	+ 38 12 40		0.8 x 0.7	17.0	0.031288	418M	
17	NGC 3607	11 16 54.7	+ 18 03 06	Leo	5.5 x 5.1	10.8	0.003202	43M	U-146
	NGC 3605				1.6 x 1.2	13.1 (V)	0.002365	32M	
18	MCG +4-28-43	11 44 16.5	+ 20 13 01	Leo	0.6 x 0.4	16.2	0.02247	301M	U-147
	MCG +4-28-44				0.9 x 0.5	14.3	0.02124	285M	
19	NGC 3861	11 45 03.9	+ 19 58 25	Leo	2.1 x 1.2	13.7	0.016982	228M	U-147
	MCG +3-30-94				0.6 x 0.3	15.5	0.025171	337M	
20	NGC 3873	11 45 46.1	+ 19 46 26	Leo	1.0 x 1.0	13.9B	0.018126	244M	U-147
	NGC 3875				1.4 x 0.4	14.9	0.023209	311M	
21	NGC 4073	12 04 27.0	+ 01 53 45	Vir	3.4 x 2.3	12.9	0.019584	263M	U-238
	PGC 38205				0.2 x 0.2	15.3	0.021361	287M	
22	NGC 4089	12 05 37.4	+ 20 33 21	Com	0.8 x 0.8	14.6 (P)	0.024240	325M	U-148
	NGC 4091				1.2 x 0.3	15.2	0.025638	343M	
23	NGC 4169, H61A	12 12 18.8	+ 29 10 46	Com	2.3 x 1.2	13.2 (B)	0.012622	170M	U-107
	NGC 4173, H61B				5.0 x 0.7	15.2 (B)	0.003759	51M	
24	NGC 4496A	12 31 39.2	+ 03 56 22	Vir	4.0 x 3.1	11.9B	0.005771	78M	U-238
	NGC 4496B				1.0 x 0.9	14.0	0.015085	203M	
25	NGC 4540	12 34 50.9	+ 15 33 06	Com	1.9 x 1.4	12.4 (B)	0.004290	58M	U-194
	IC 3528				0.4 x 0.4	15.2 (B)	0.046120	610M	
26	PGC 44984, H63A	13 02 17.4	-32 45 44	Cen	1.3 x 0.4	14.9 (B)	0.016361	220M	U-370
	PGC 44979, H63C				0.7 x 0.5	15.5 (B)	0.032102	428M	
27	NGC 5353, H 68A	13 53 26.7	+ 40 16 59	CVn	3.3 x 1.8	12.0 (V)	0.007755	105M	U-76
	NGC 5354, H 68B					2.8 x 2.2	12.3 (V)	0.008603	116M

Pg	Object	RA	Dec	Const	Size	Mag	z	Distance	U1
28	UGC 8960	14 02 43.1	+ 39 10 06	CVn	2.0 x 0.4	14.4	0.018937	254M	U-77
	UGC 8962				1.1 X 1.1	14.8	0.019992	268M	
	PGC 50020				0.4 x 0.3	16.1	0.068000	889M	
29	IC 4371, H70A	14 04 10.1	+ 33 20 15	CVn	1.4 x 0.3	14.7	0.027479	367M	U-110
	IC 4370, H 70D	14 04 09.8	+ 33 20 45		0.5 x 0.3	15.7	0.062863	825M	
30	NGC 5526	14 13 51.8	+ 57 46 13	Uma	1.9 x 0.2	14.3	0.006685	90M	U-49
	MCG +10-20-84				0.8 x 0.5	15.2	0.039988	531M	
31	NGC 5532	14 16 52.9	+ 10 48 27	Boo	1.6 x 1.6	14.1	0.024704	331M	U-197
	UGC 9137	14 16 53.4	+ 10 47 54		0.7 x 0.5	15.0	0.0230	308M	
32	NGC 5679B, Arp274	14 35 08.8	+ 05 21 23	Vir	1.1 x 0.7	13.8	0.028900	386M	U-197
	NGC 5679A				1.3 x 0.6	14.5	0.025604	343M	
33	UGC 9401	14 36 09.2	+ 21 47 37	Boo	1.5 x 0.6	14.3 (P)	0.018773	252M	U-152
	MAC 1436+2148	14 36 06.3	+ 21 48 01		0.5 x 0.2	17.7	0.087047	1.127B	
34	NGC 5707	14 37 30.8	+ 51 33 42	Boo	2.5 x 0.4	13.1	0.007378	100M	U-50
	PGC 52269				1.0 x 1.0	15.6	0.043717	579M	
35	UGC 9602	14 55 55.3	+ 11 51 42	Boo	0.8 x 0.58	14.6	0.032196	429M	U-198
	CGCG 76-100				0.7 x 0.78	14.5	0.029574	395M	
36	NGC 5829, H 73A	15 02 42.0	+ 23 20 01	Boo	1.5 x 1.0	14.1	0.018797	253M	U-153
	IC 4526, H73B	15 02 38.2	+ 23 21 04		0.5 x 0.4	15.7	0.045648	604M	
37	CGCG 135-51	15 21 40.6	+ 25 50 33	CrB	0.4 x 0.4	15.2	0.033946	452M	U-154
	CGCG 135-51-02	15 21 39.6	+ 25 50 46			16.8	0.0745	971M	
38	UGC 10052	15 49 59.4	+ 20 48 20	Ser	0.5 x 0.4	14.4	0.035923	478M	U-155
	UGC 10052-01	15 49 57.3	+ 20 48 19		0.8 x 0.7	14.7	0.035149	468M	
39	CGCG 224-13	16 23 27.7	+ 41 42 23	Her	0.7 x 0.5	14.6 (P)	0.028039	375M	U-79
	J162326.33+414231-7					17.5	0.134002	1.69B	
40	MCG +7-34-64	16 28 44.4	+ 39 28 26	Her	0.8 x 0.8	14.1	0.027225	364M	U-80
	MCG +7-34-69				0.7 x 0.3	15.7	0.025898	347M	
41	NGC 6365A	17 22 43.8	+ 62 09 58	Dra	1.5 x 1.0	14.7	0.028341	379M	U-29
	NGC 6365B				1.1 x 0.3	16.5	0.026801	359M	
42	NGC 6962	20 47 19.0	+ 00 19 15	Aqr	3.3 x 2.2	13.3	0.014046	189M	U-254
	NGC 6964				1.7 x 4.2	13.8	0.012689	171M	

How to Use the Atlas



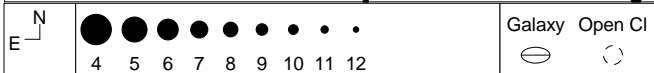
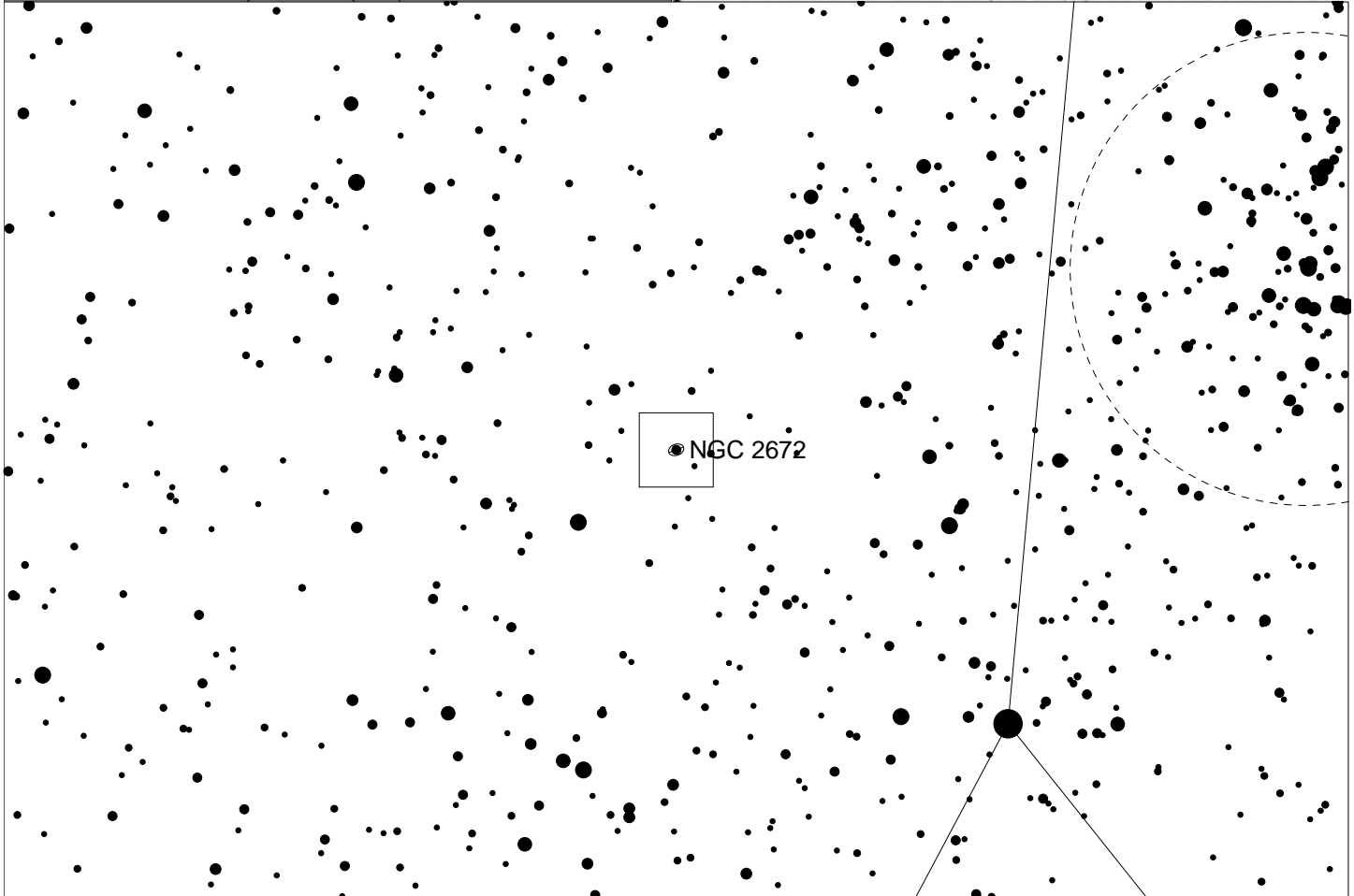
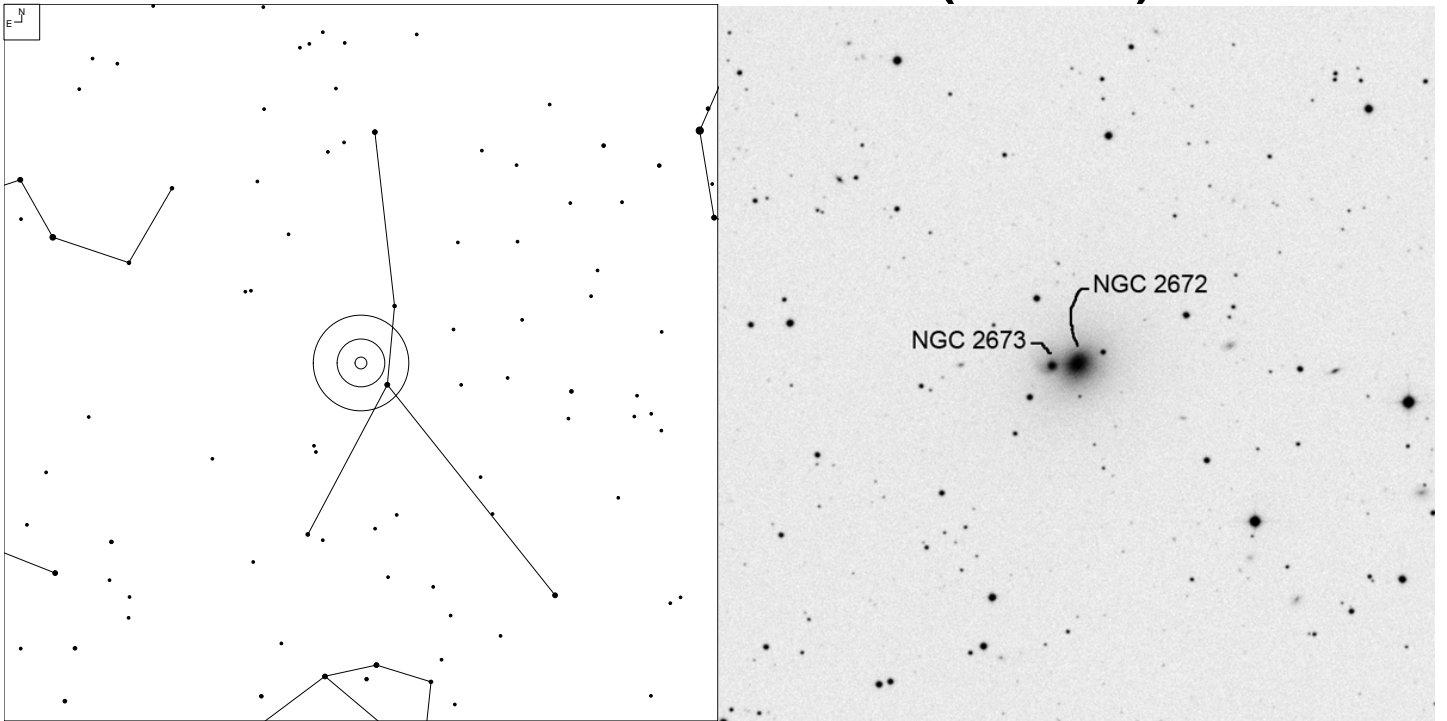
The top left panel contains the naked eye field with the TelRad™ superimposed on the center of the galaxy trio or triple system. The top right panel contains the inverted labeled DSS image. The image is generally 15' square, otherwise larger.

The bottom panel is a finder field of about 4.5° across and 3.0° high. The finder field is wide enough for the finder scope and detailed enough for those who choose to use a low power eyepiece as a “finder”. The limiting magnitude of the field stars is generally set to 12.0, but set to a lower limit in star rich regions. Pay attention to the magnitude scale on the bottom left. The rectangular field of the DSS image is superimposed on the finder chart.

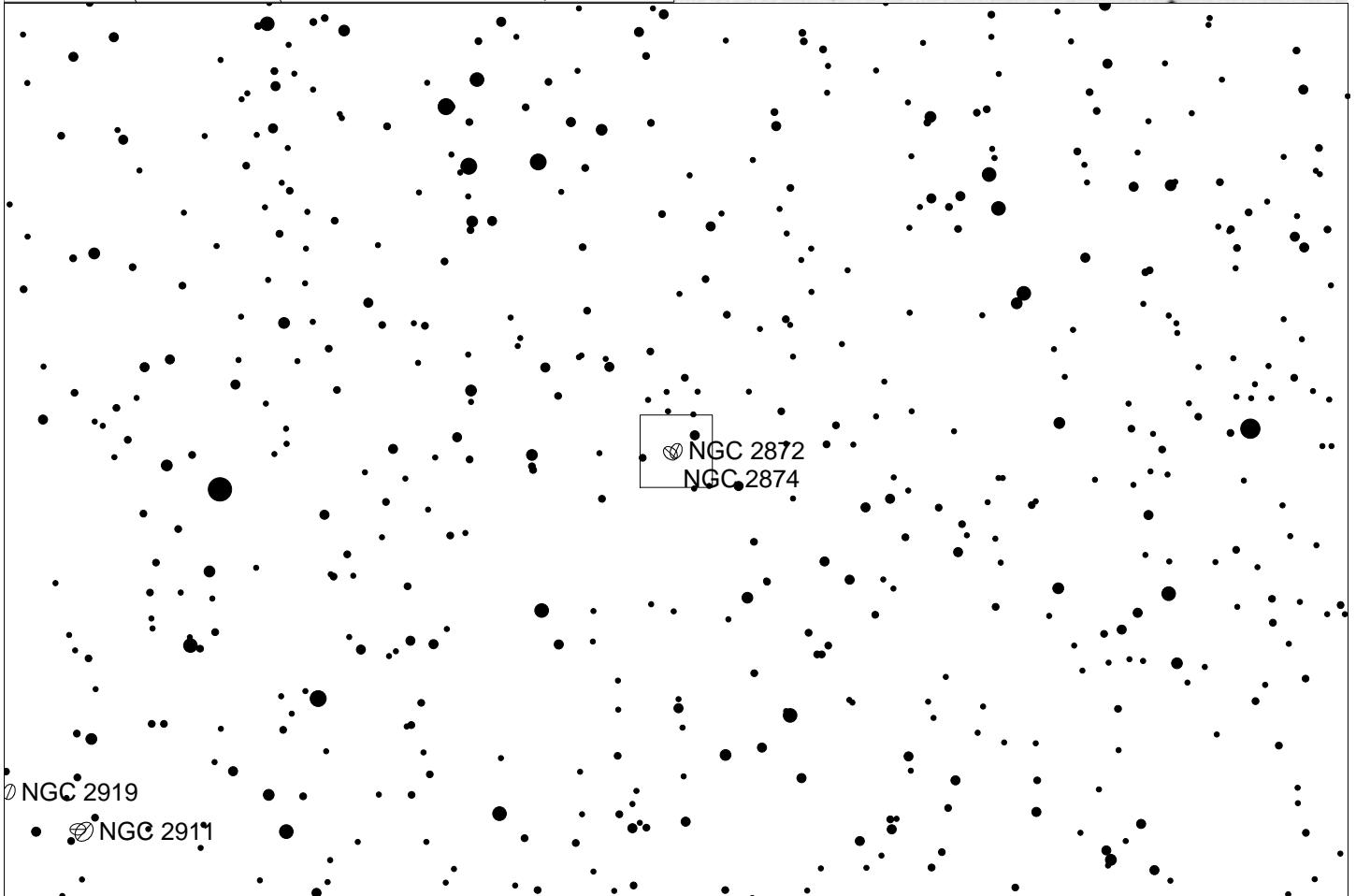
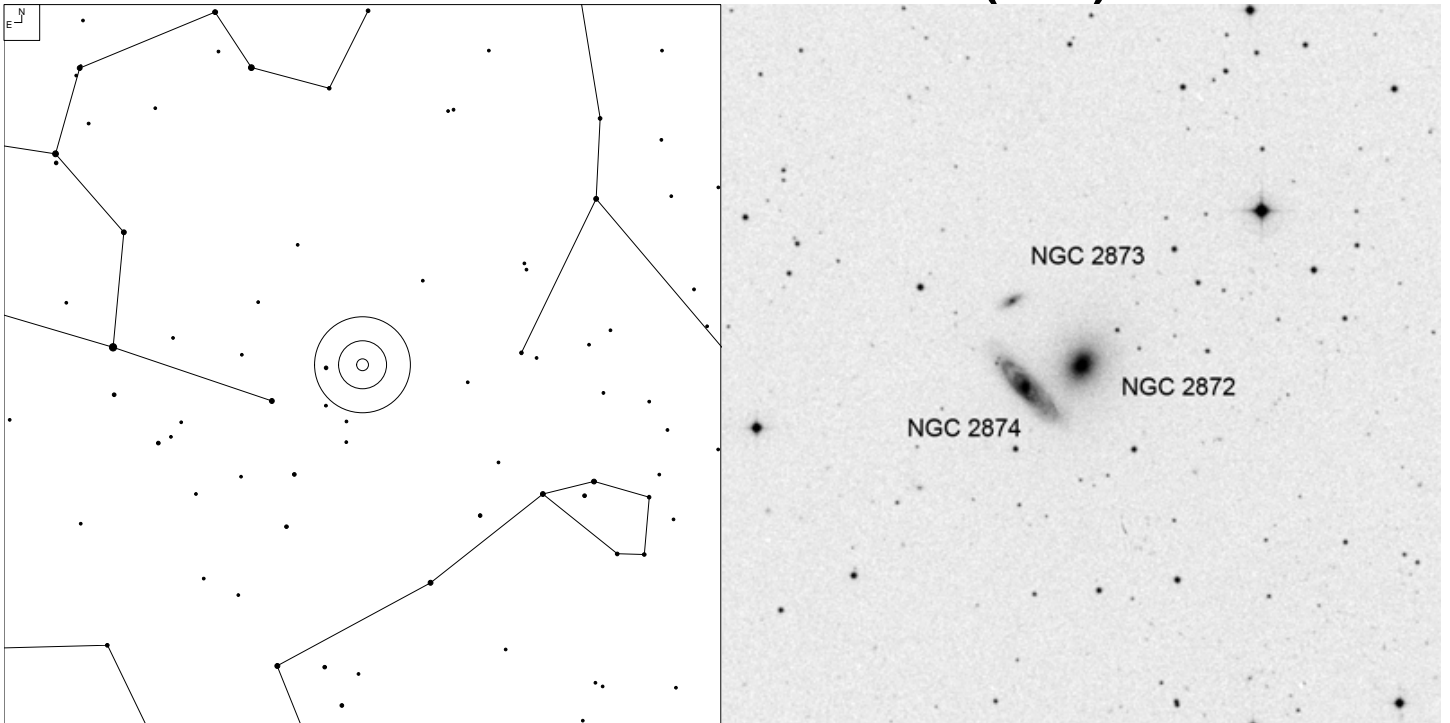
All charts and images are oriented north pointed up and west to the right.

The Texas Star Party 2013 Advanced Observing List – Galaxy Illusions

NGC 2672 and NGC 2673 (Cancer)

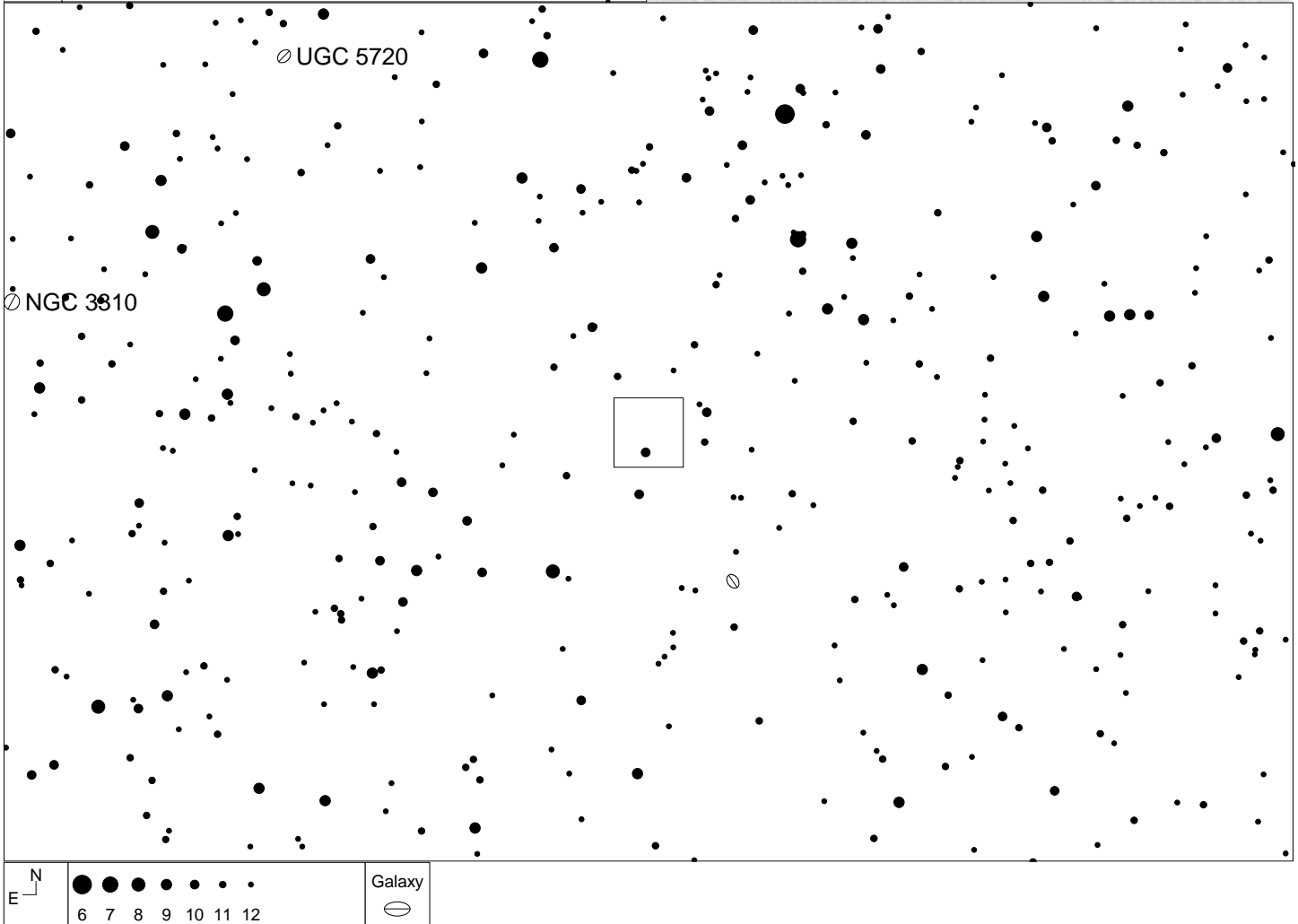
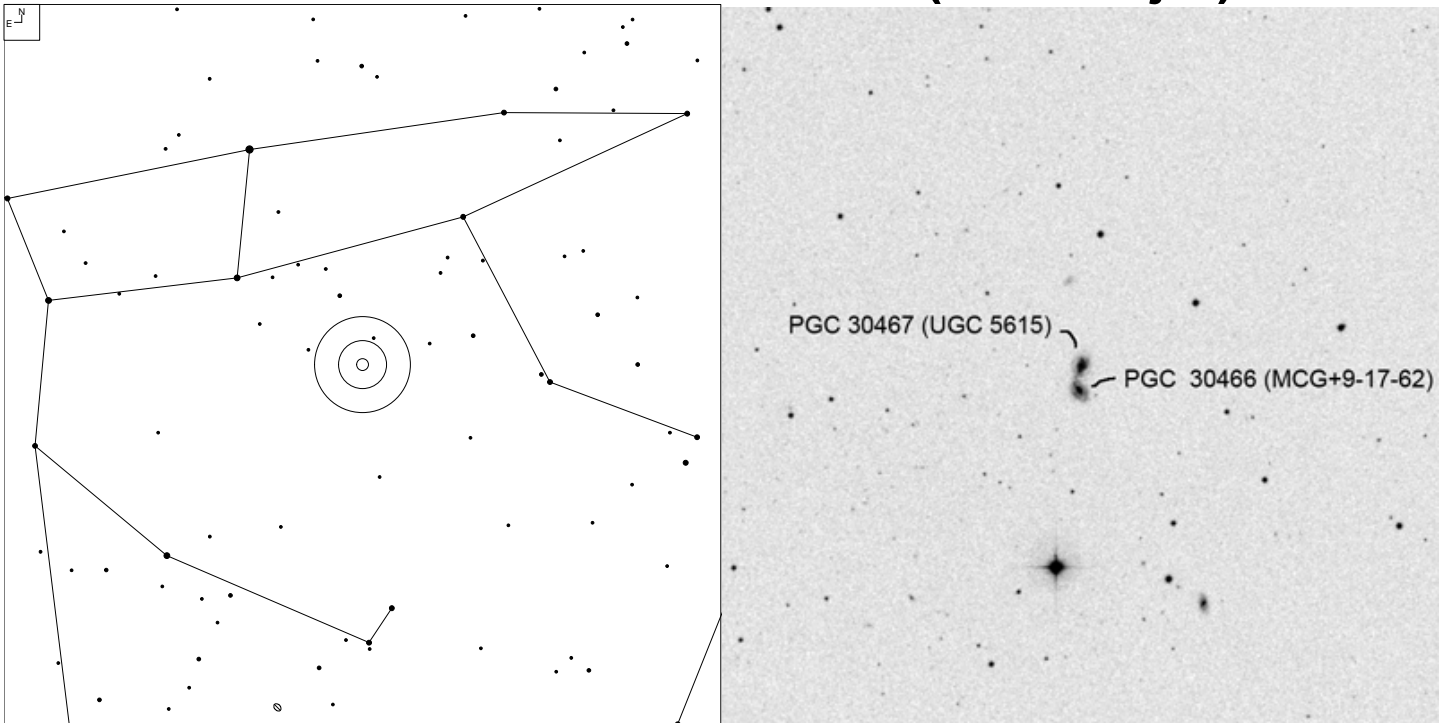


NGC 2872 and NGC 2874 (Leo)

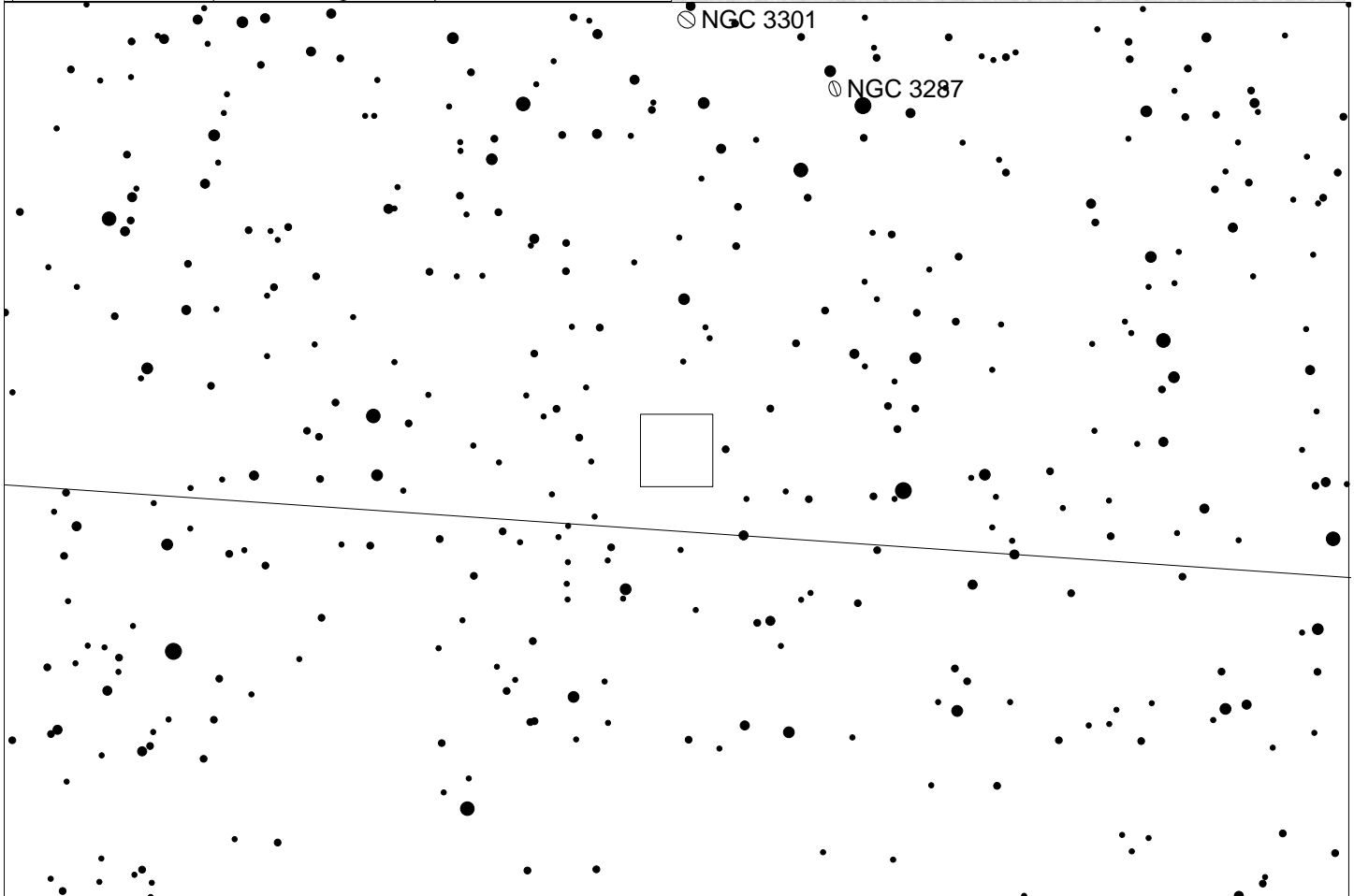
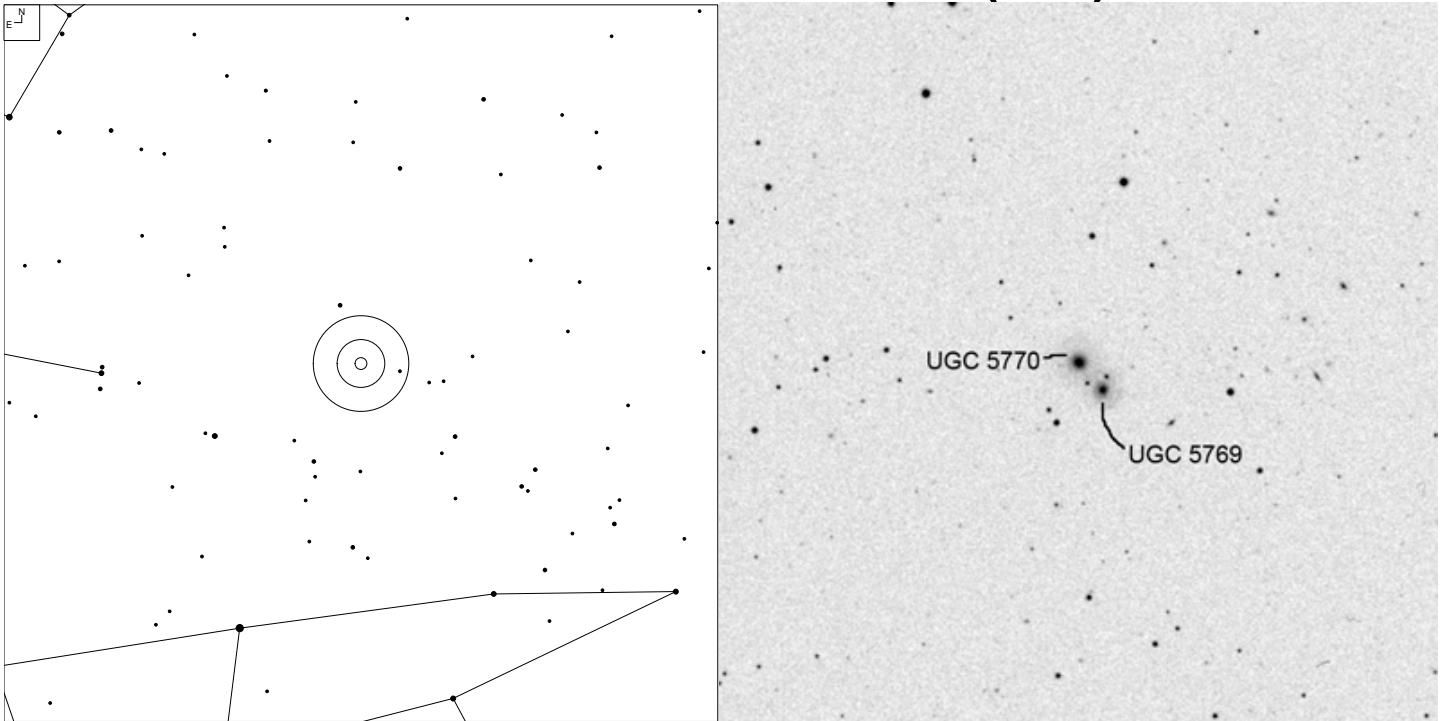


		Galaxy
	5 6 7 8 9 10 11 12	

PGC 30467 and PGC 30466 (Ursa Major)

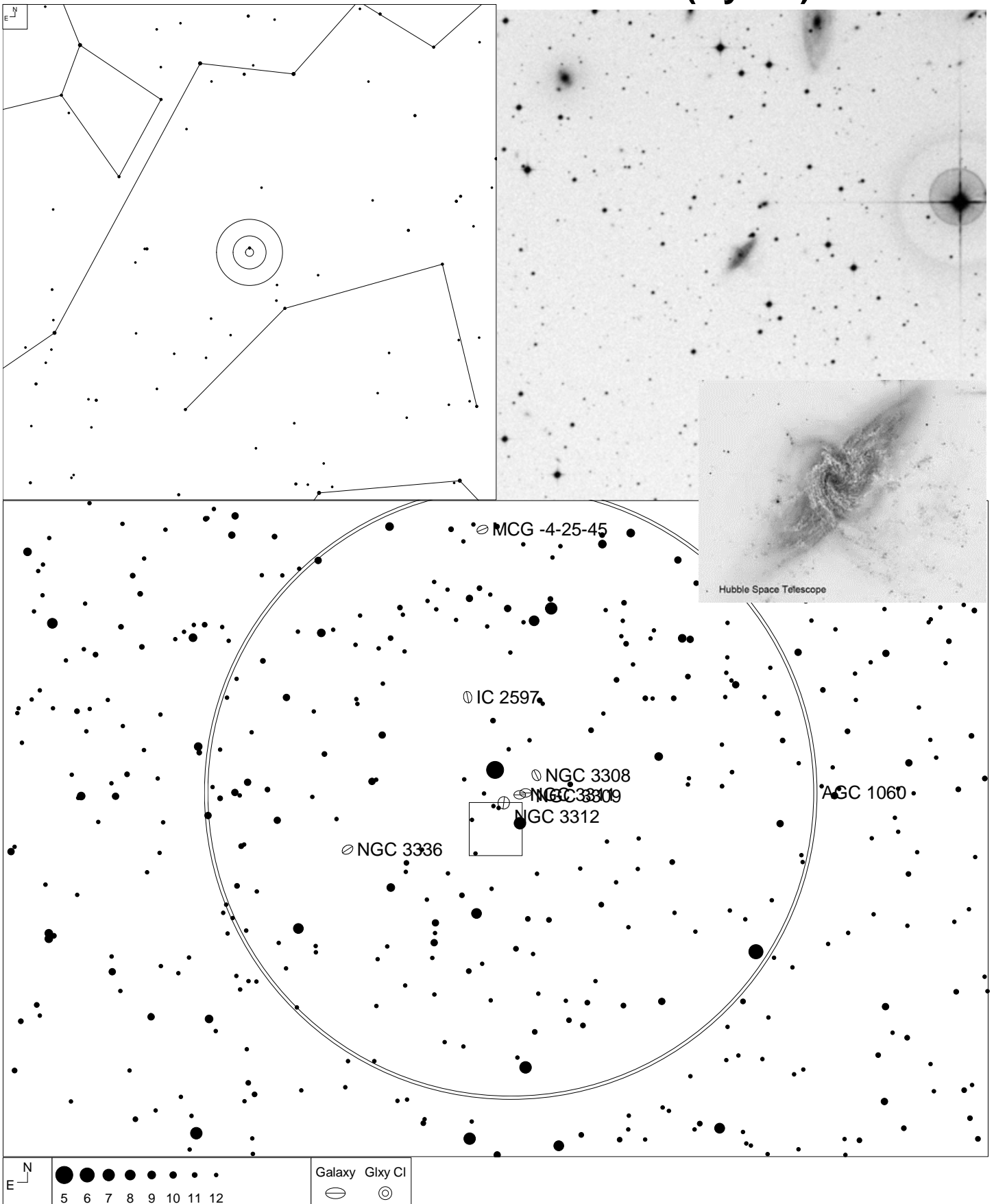


UGC 5770 and UGC 5769 (Leo)



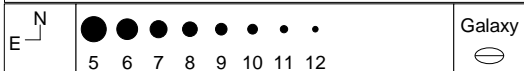
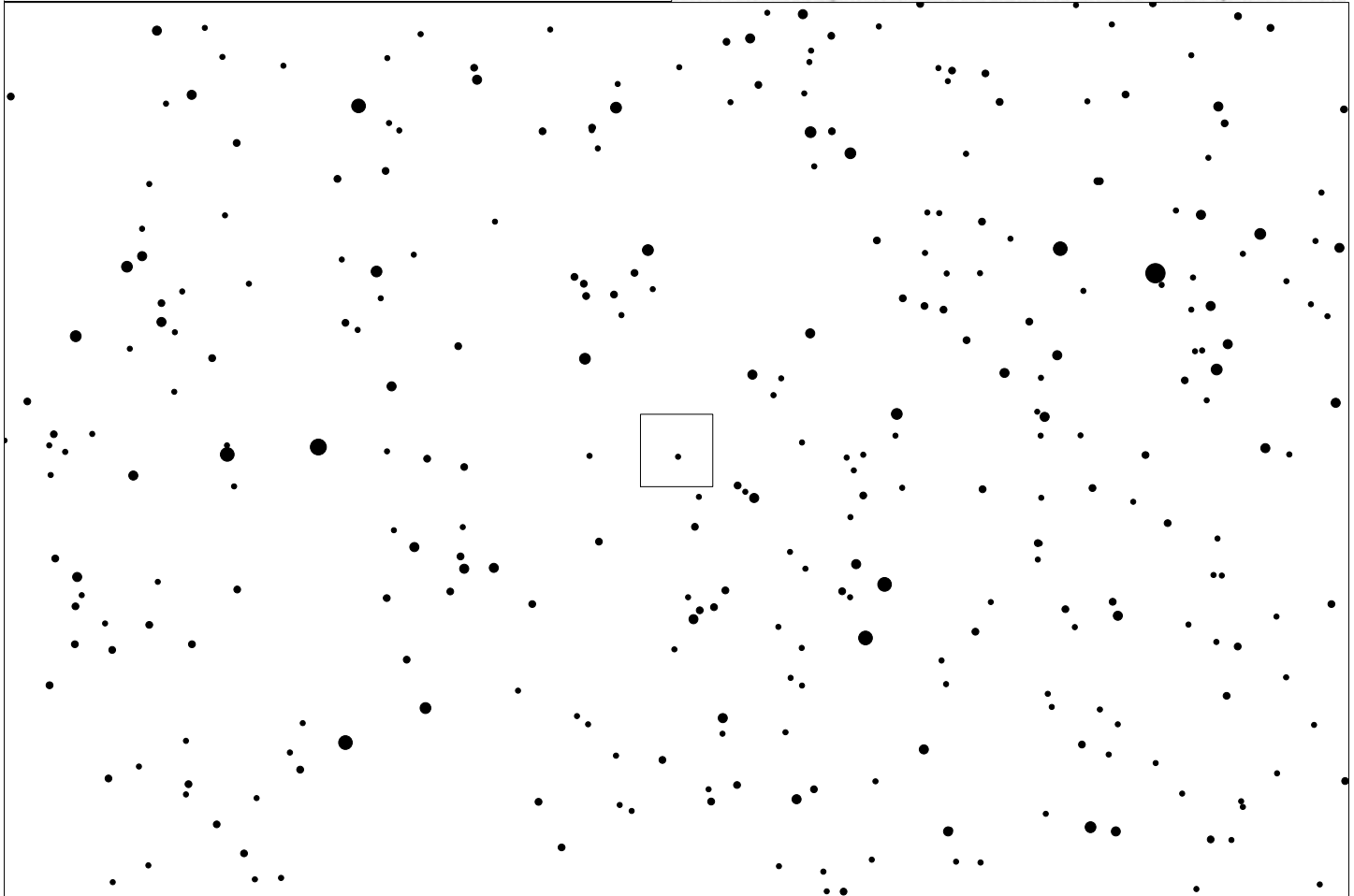
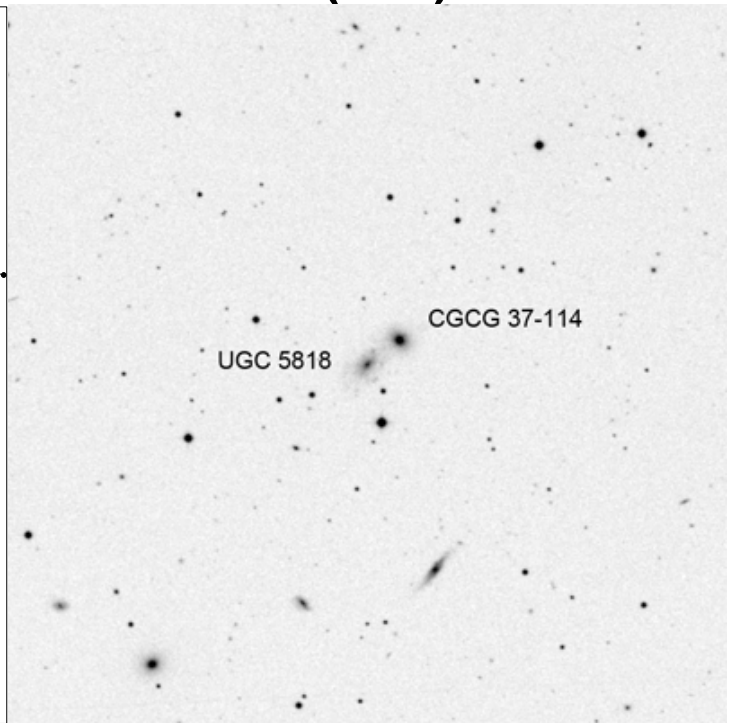
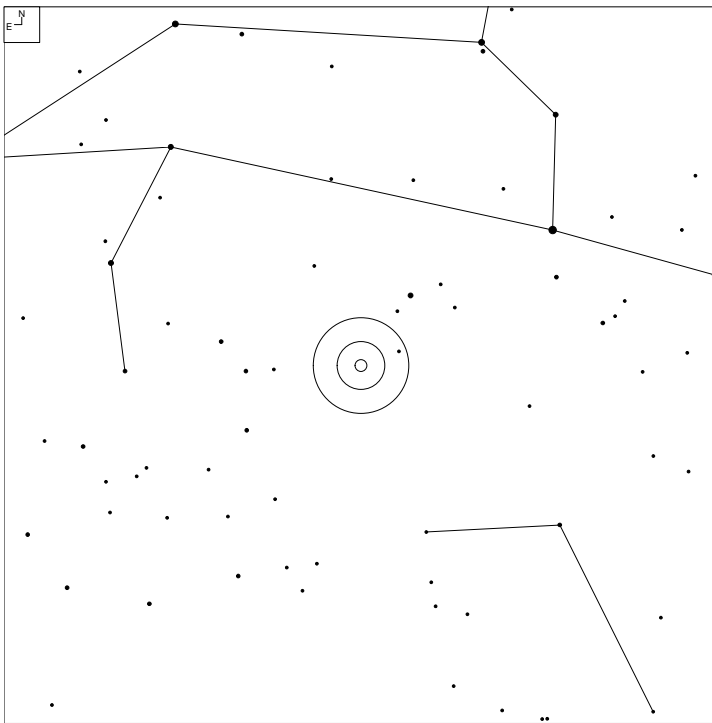
		Galaxy
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NGC 3314A and NGC 3314B (Hydra)

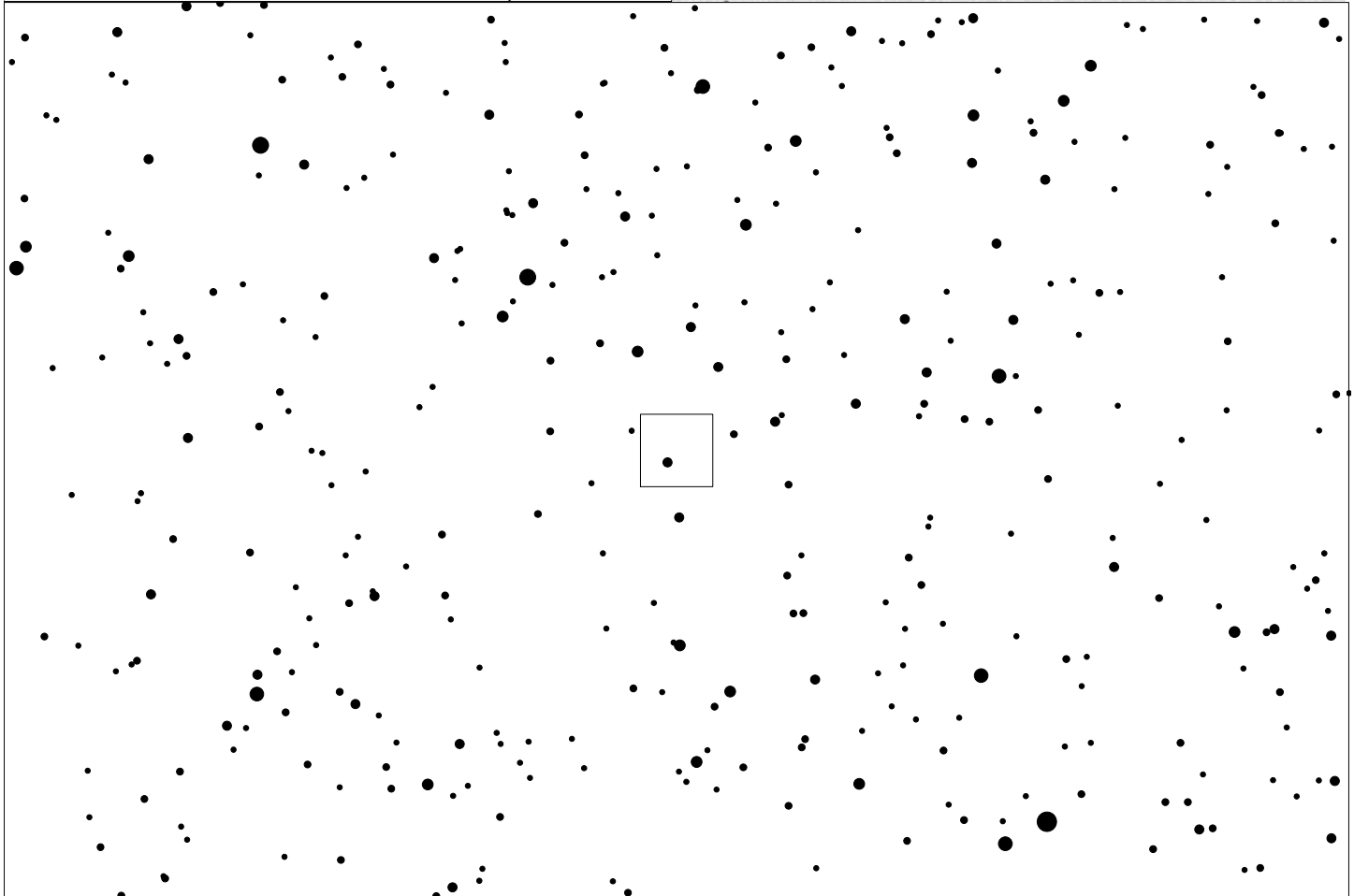
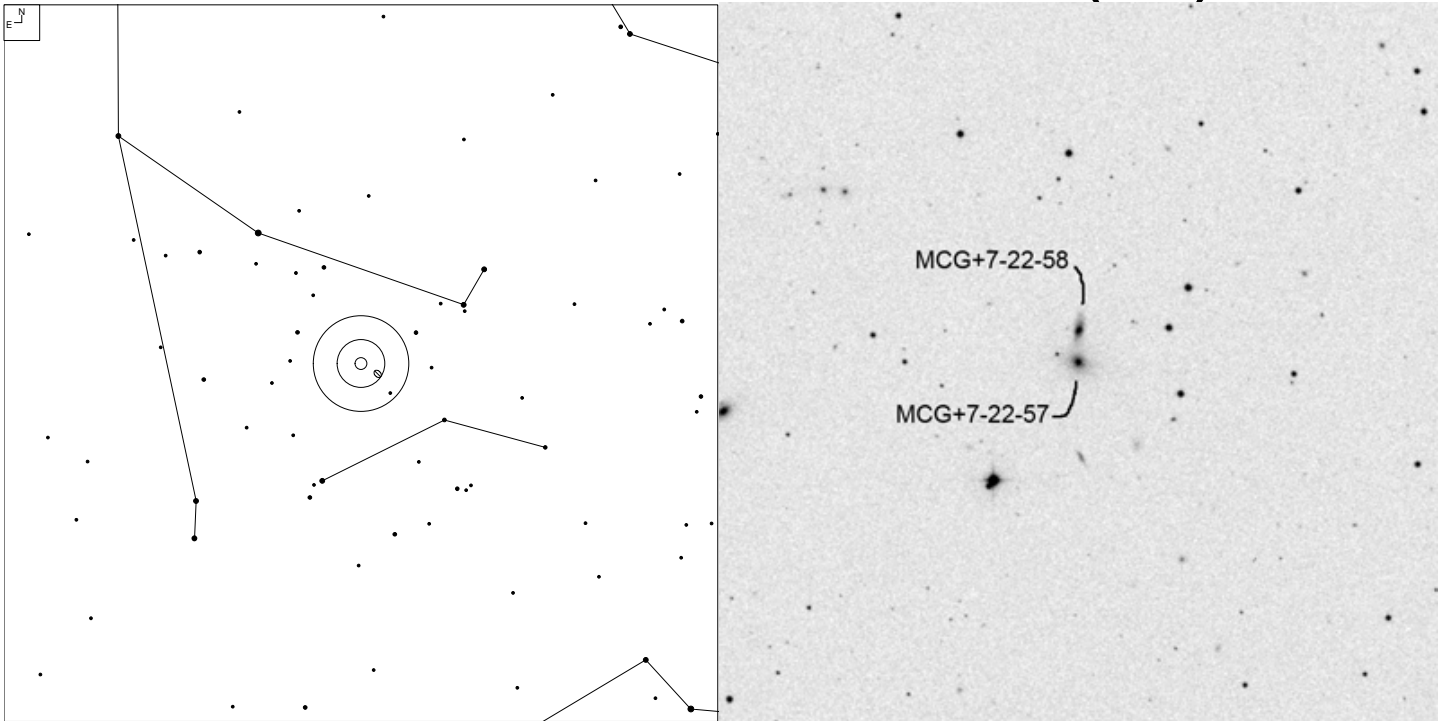


Superimposed on top of each other.

UGC 5818 and CGCG 37-114 (Leo)

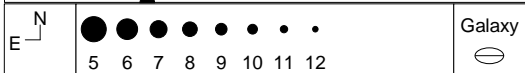
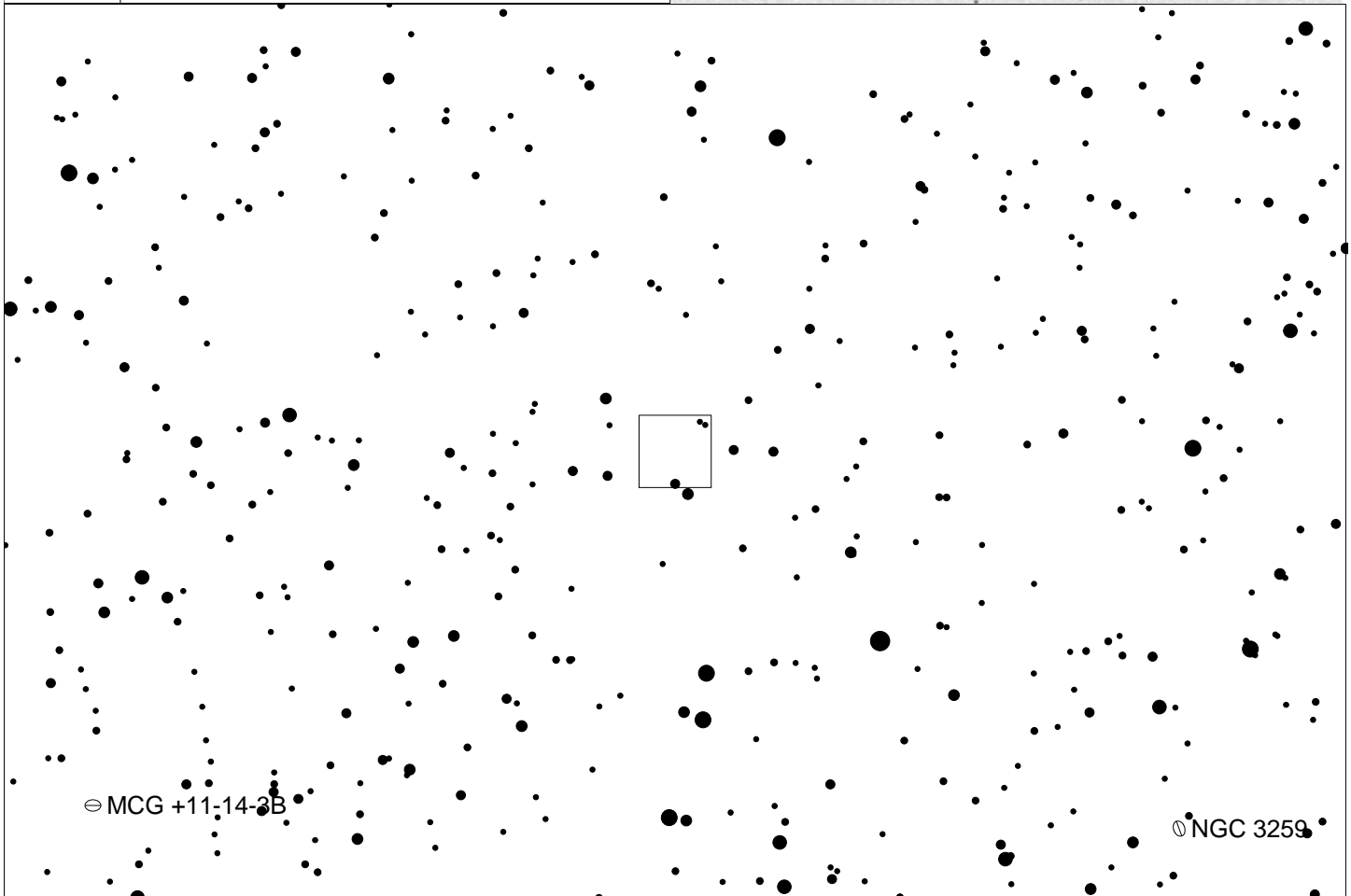
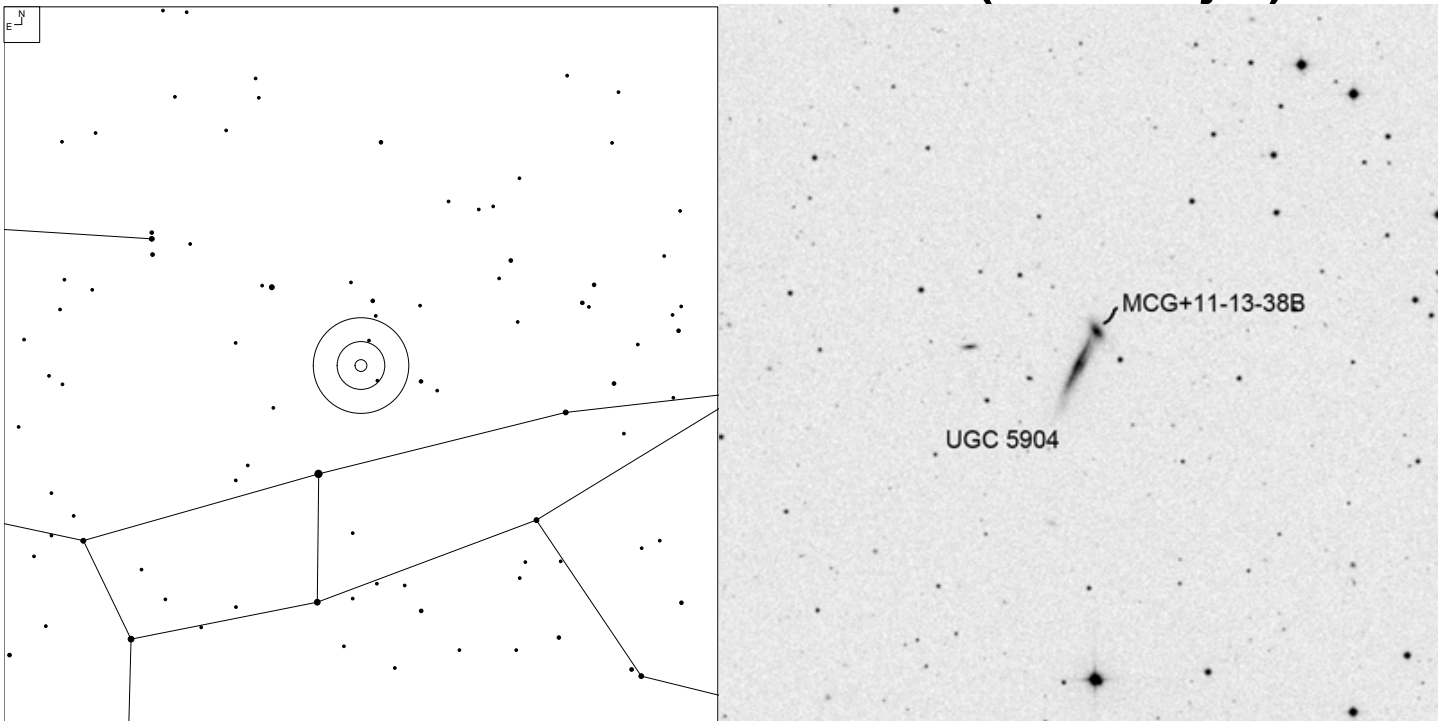


MCG+7-22-57 and MCG +7-22-58 (Leo)

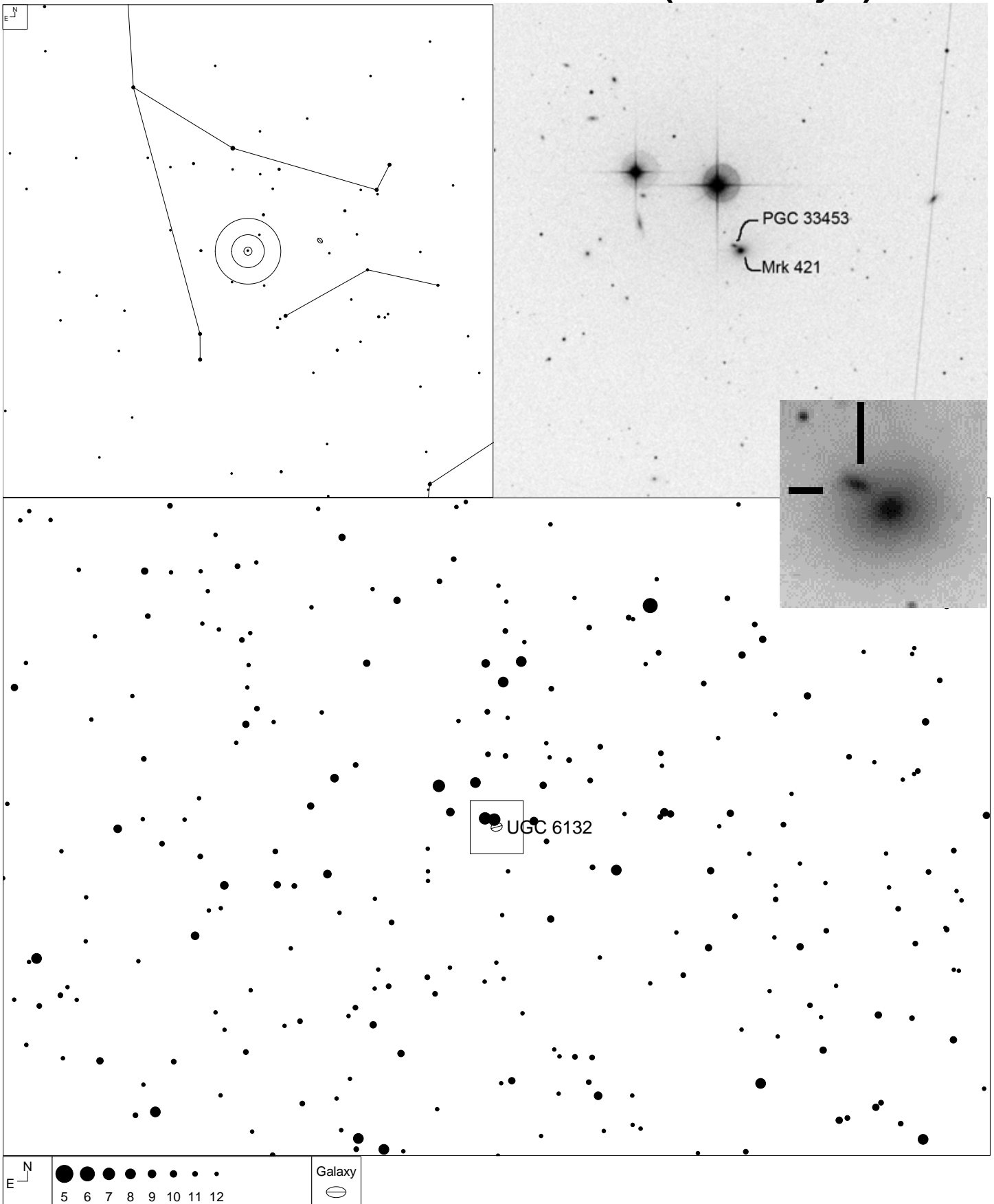


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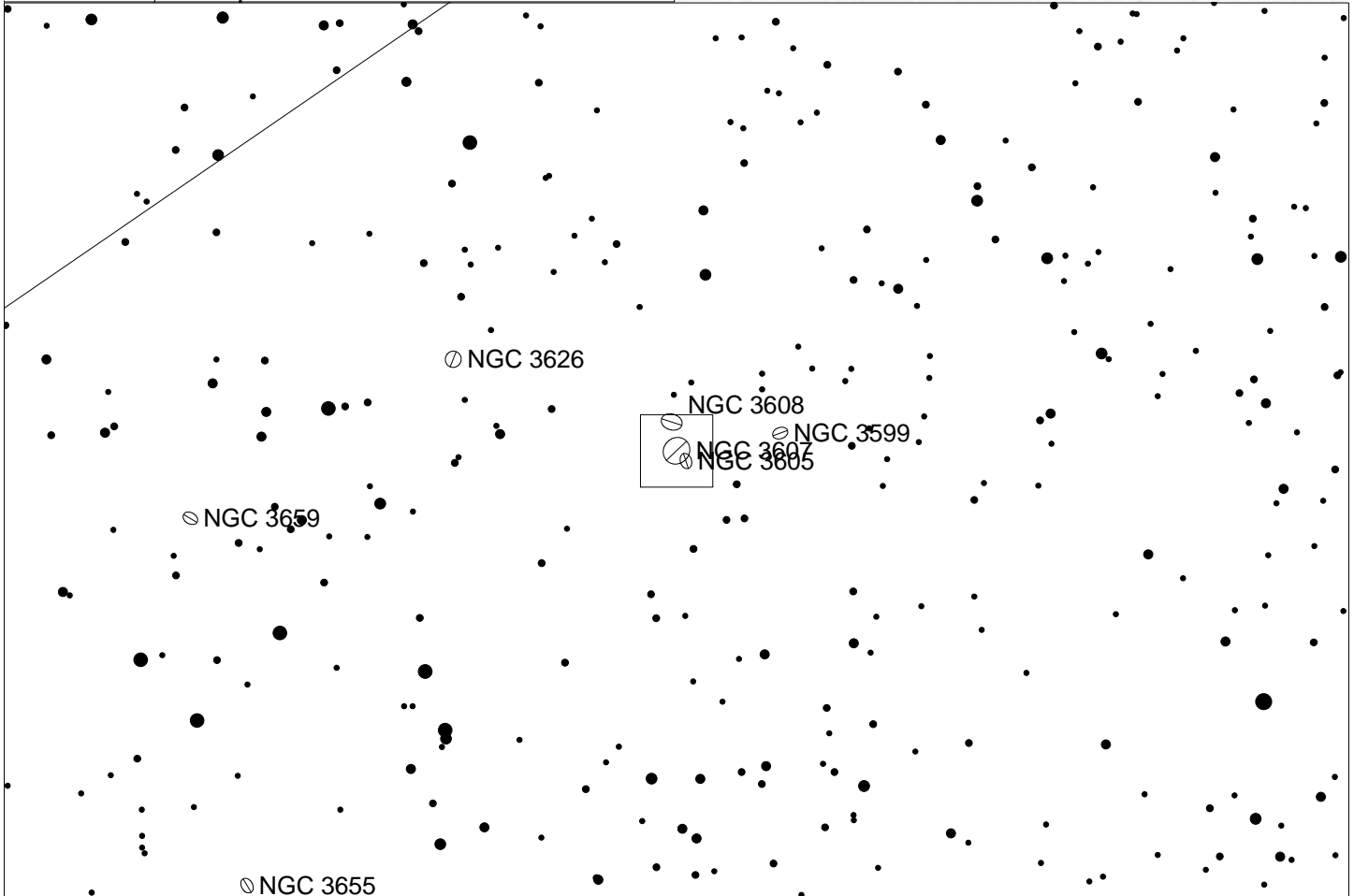
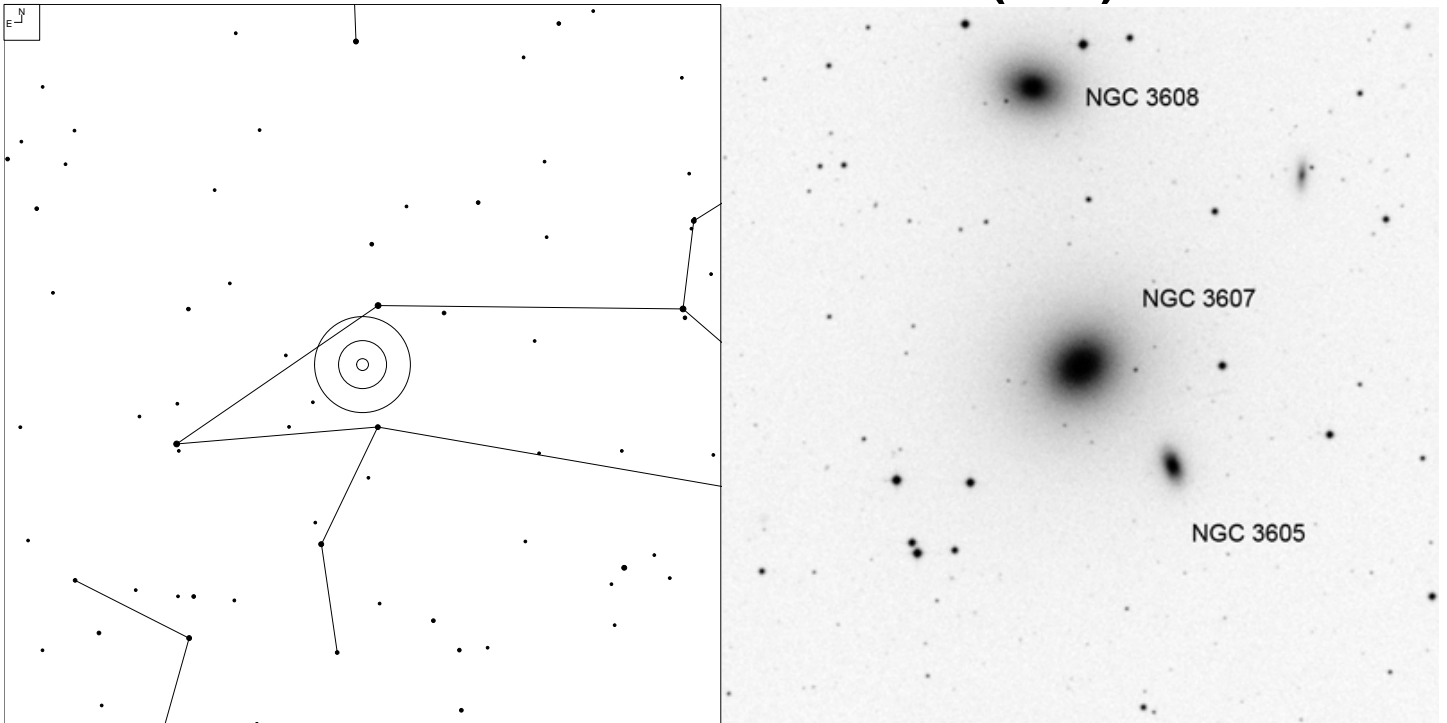
UGC 5904 and MCG+11-13-38B (Ursa Major)



Markarian 421 and PGC 33453 (Ursa Major)

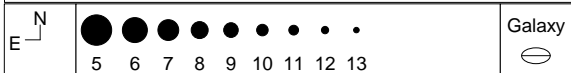
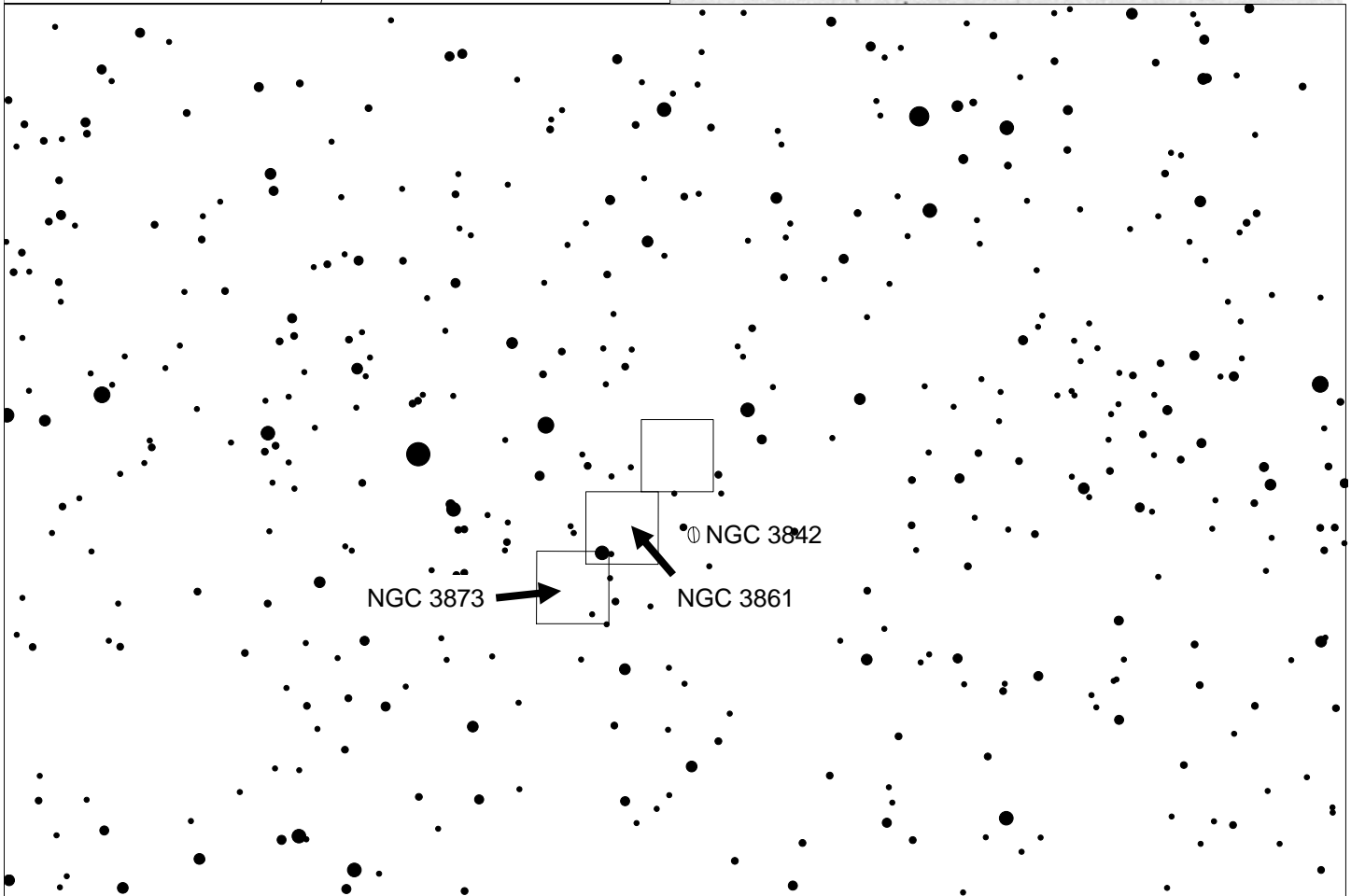
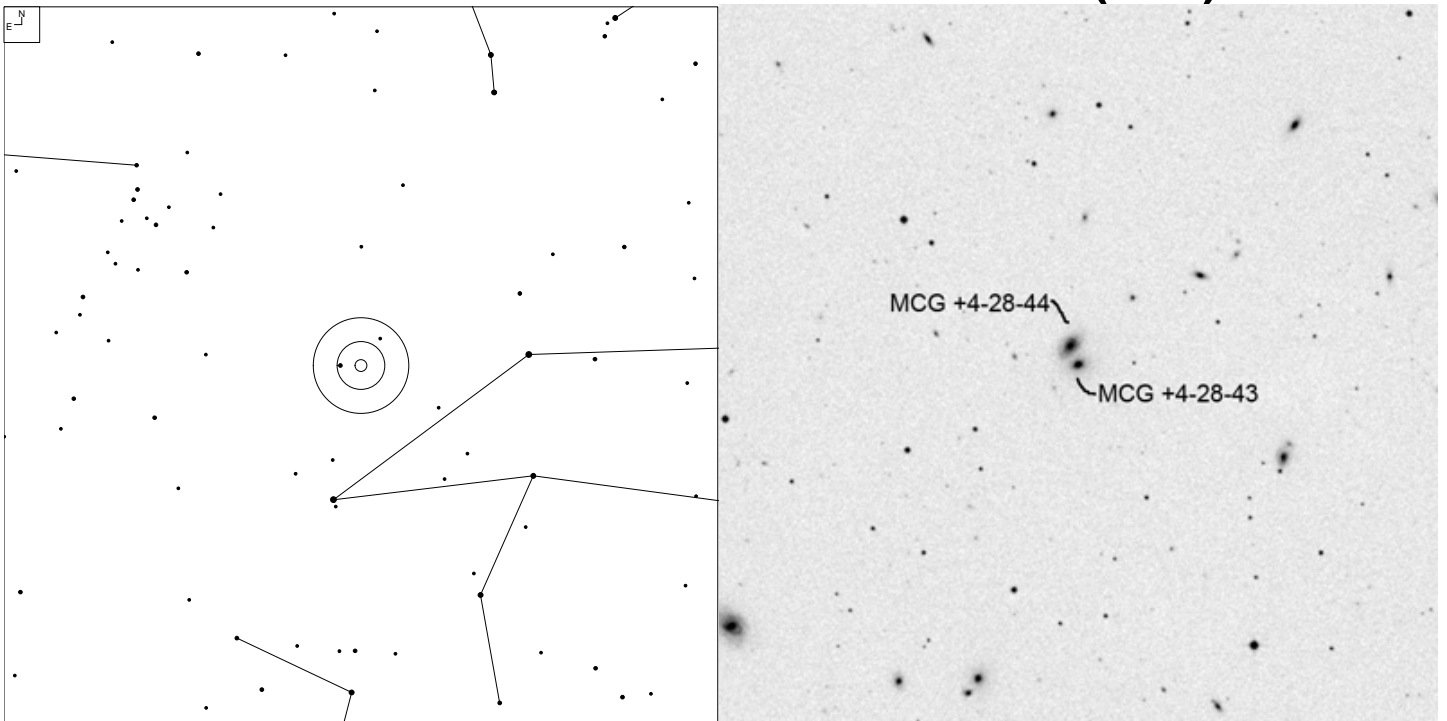


NGC 3607 and NGC 3605 (Leo)

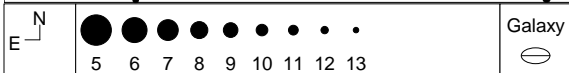
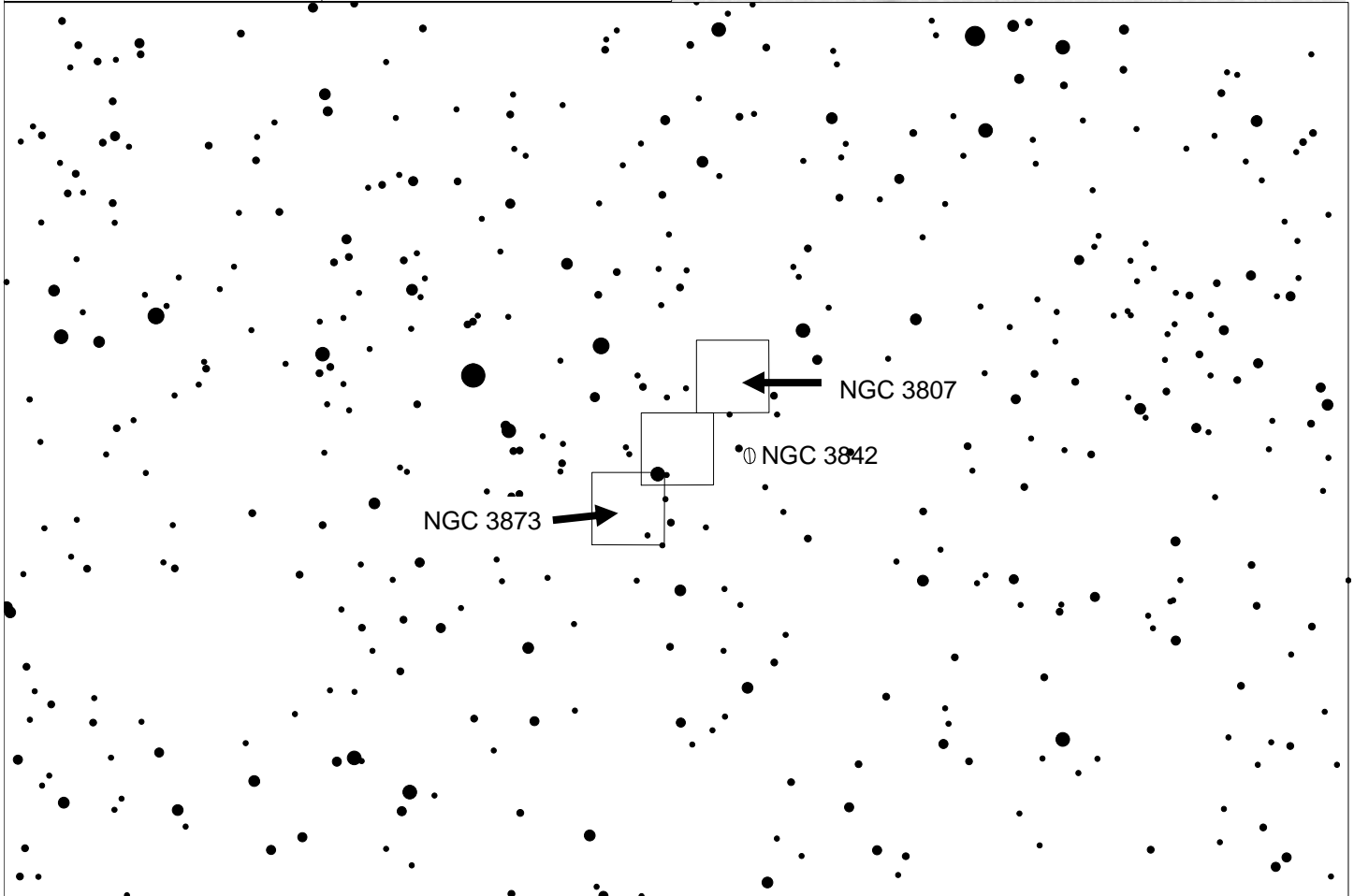
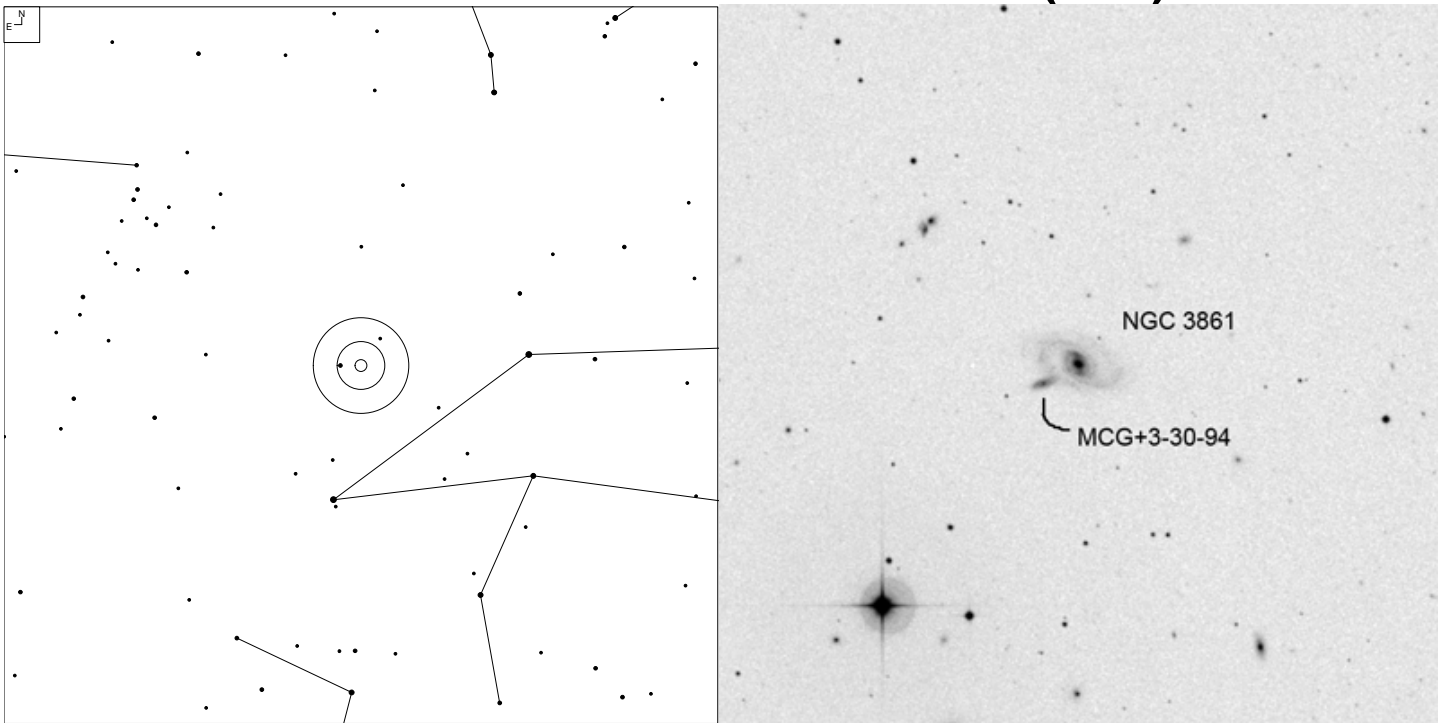


E N	●	●	●	●	●	●	Galaxy ☉
	7	8	9	10	11	12	

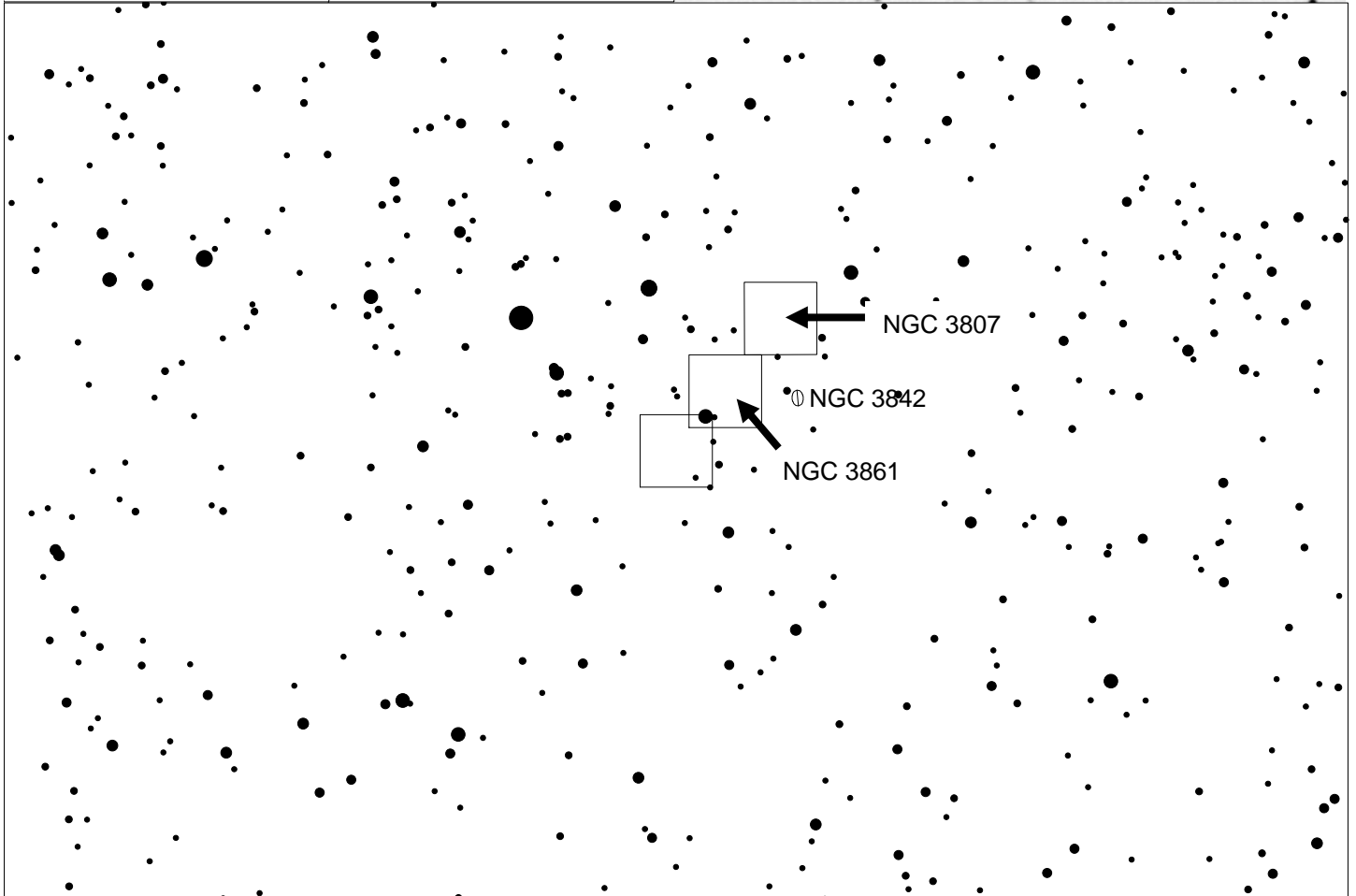
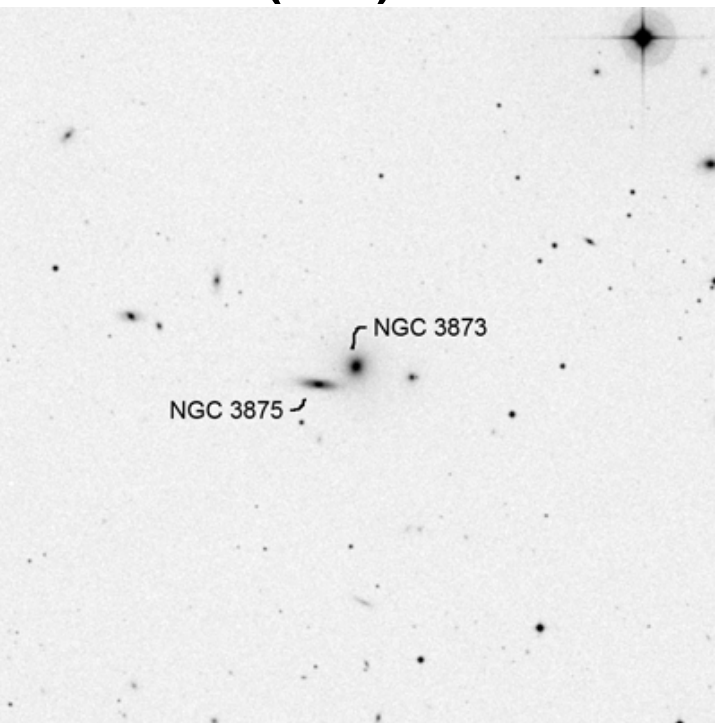
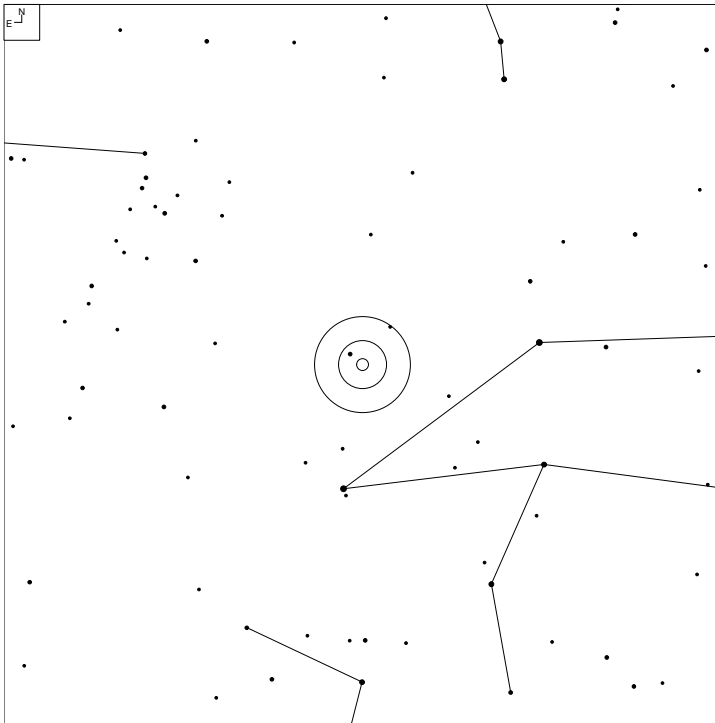
MCG +4-28-43 and MCG +4-28-44 (Leo)



NGC 3861 and MCG +3-30-94 (Leo)



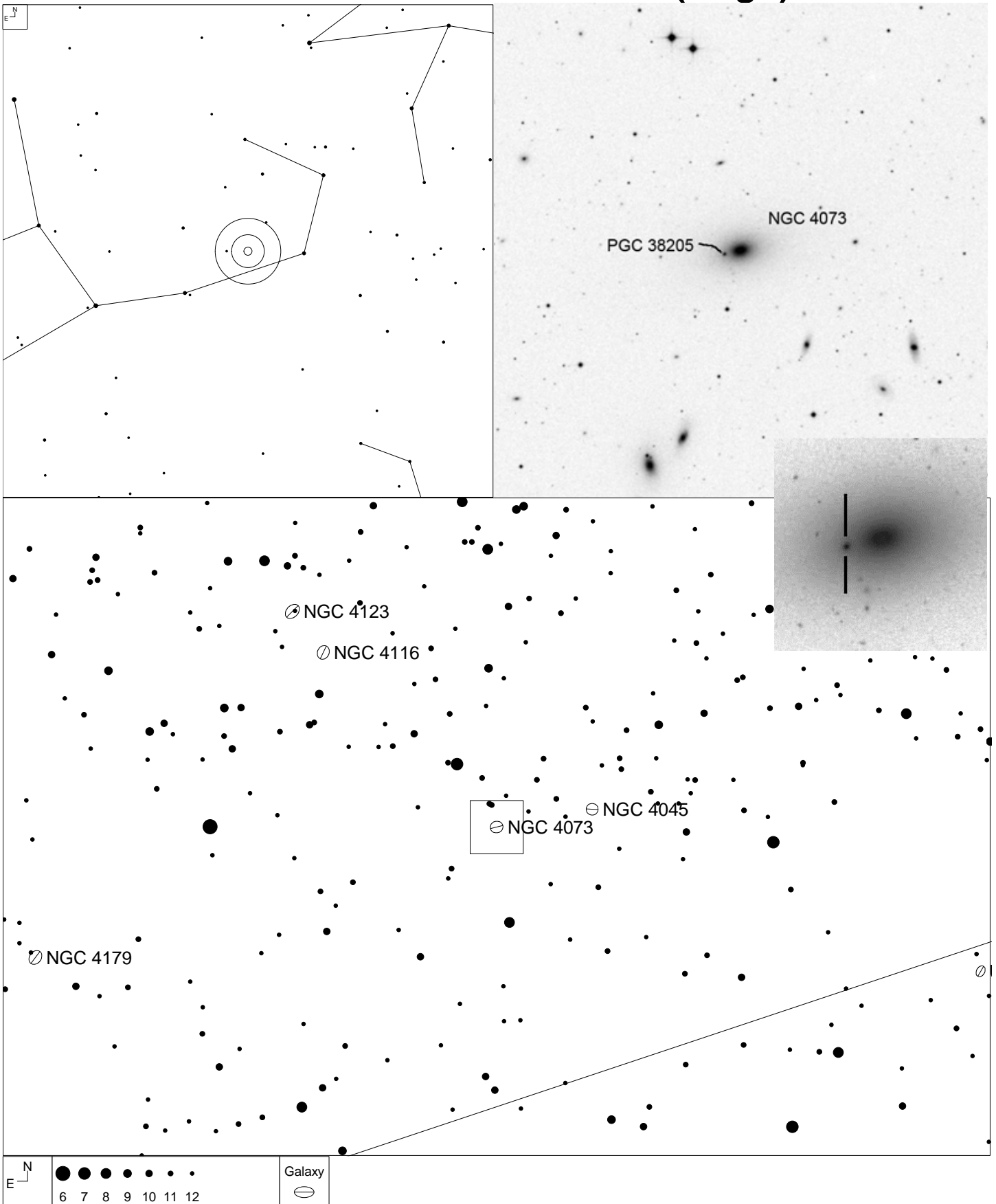
NGC 3873 and NGC 3875 (Leo)



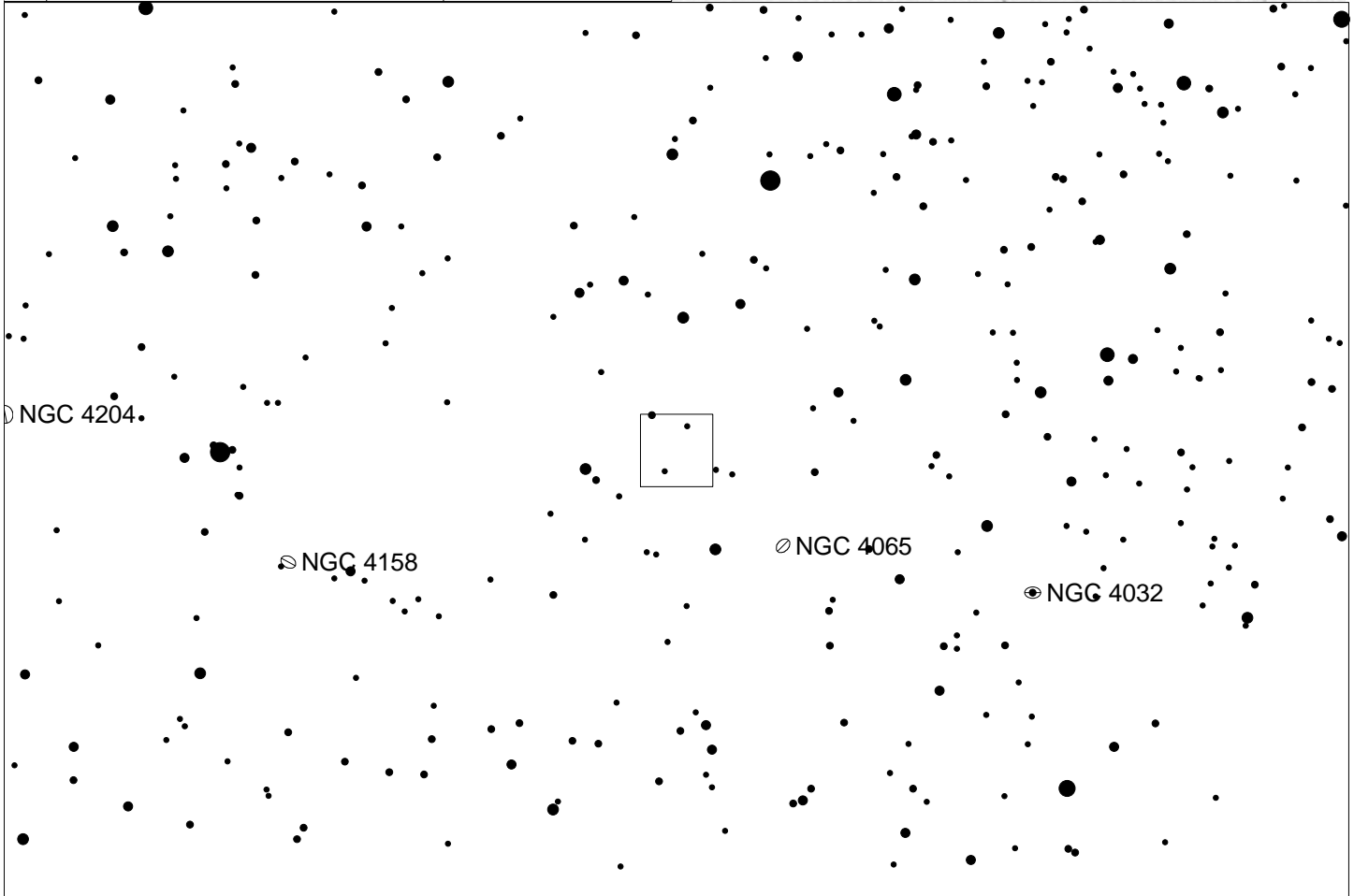
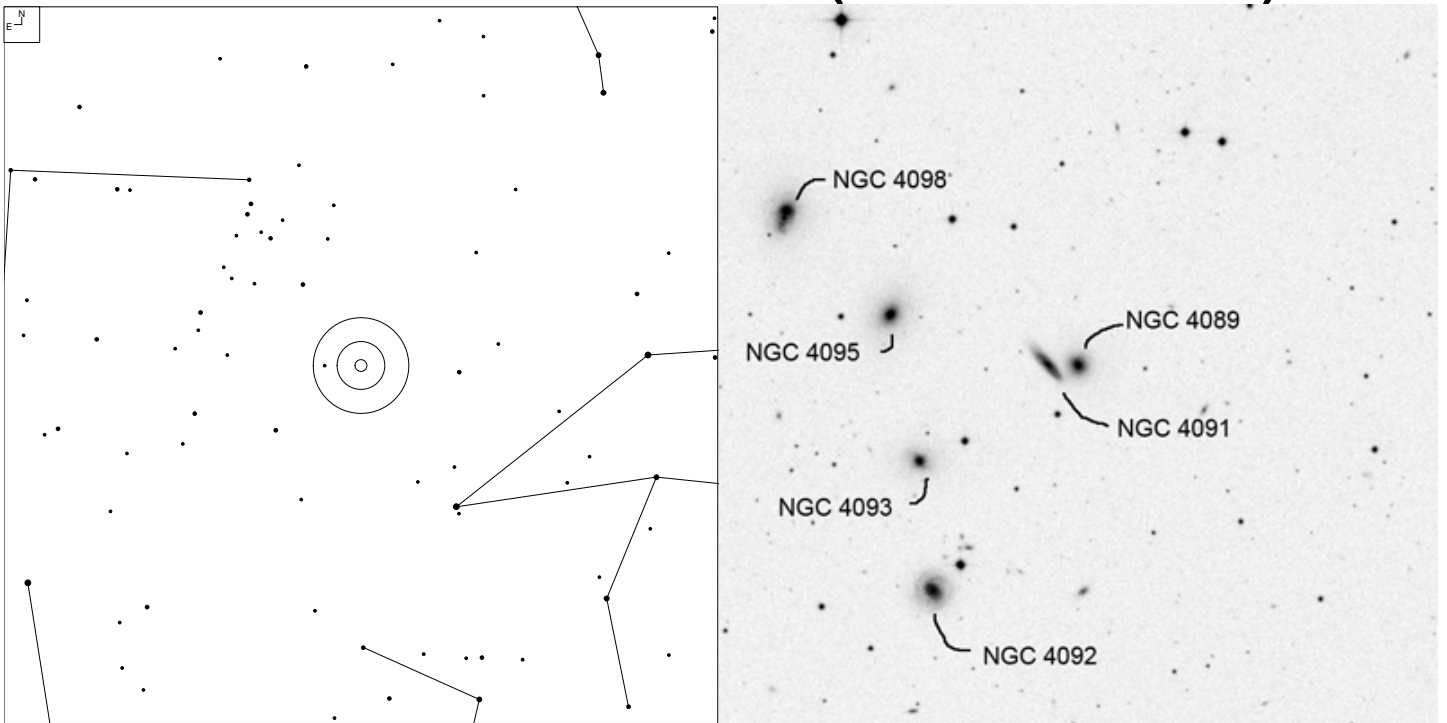
E N
5 6 7 8 9 10 11 12 13
Galaxy

A magnitude scale showing circles of increasing size from magnitude 5 to 13. To the right is a symbol for a galaxy, consisting of a horizontal oval with a vertical line through its center.

NGC 4073 and PGC 38205 (Virgo)

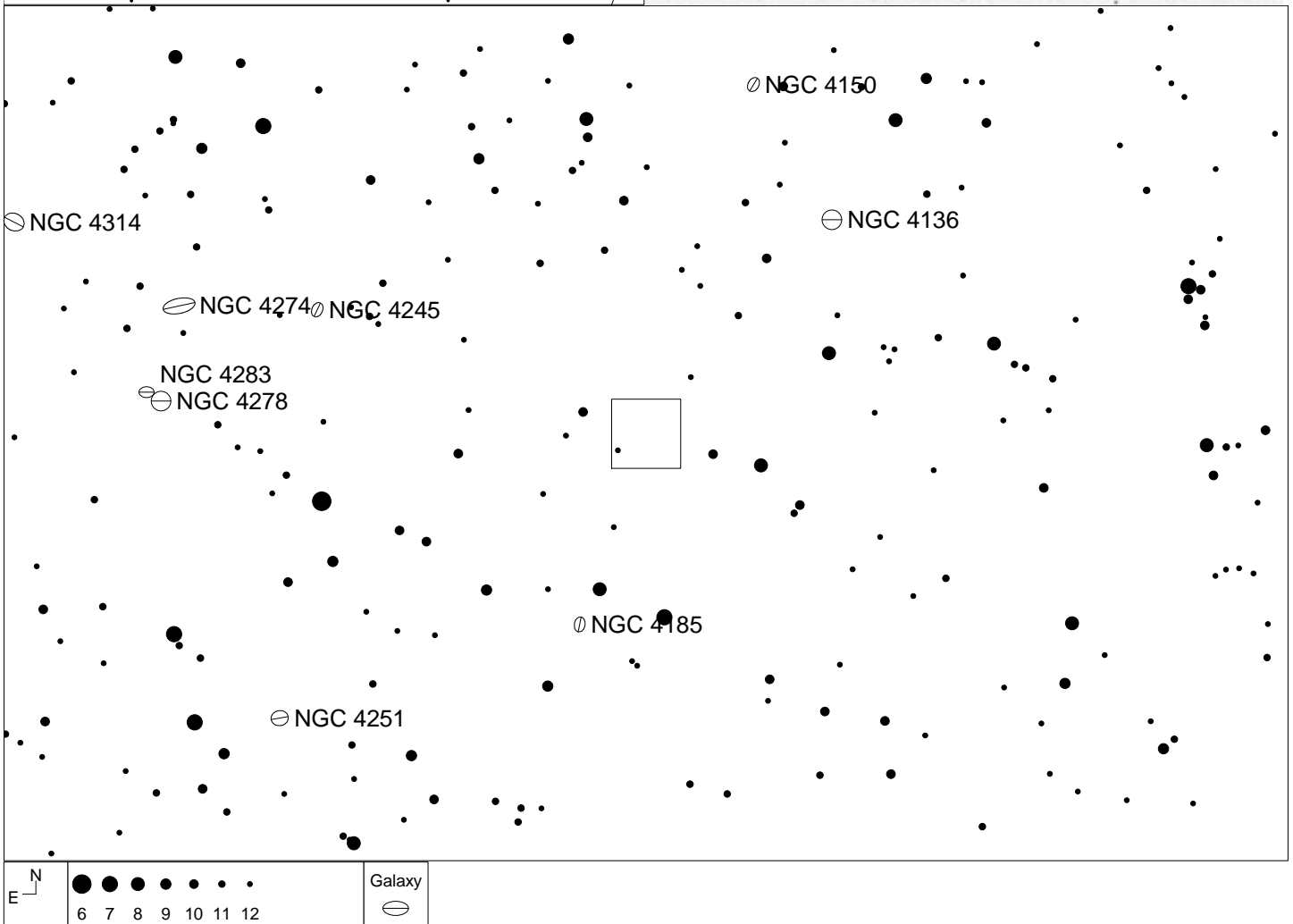
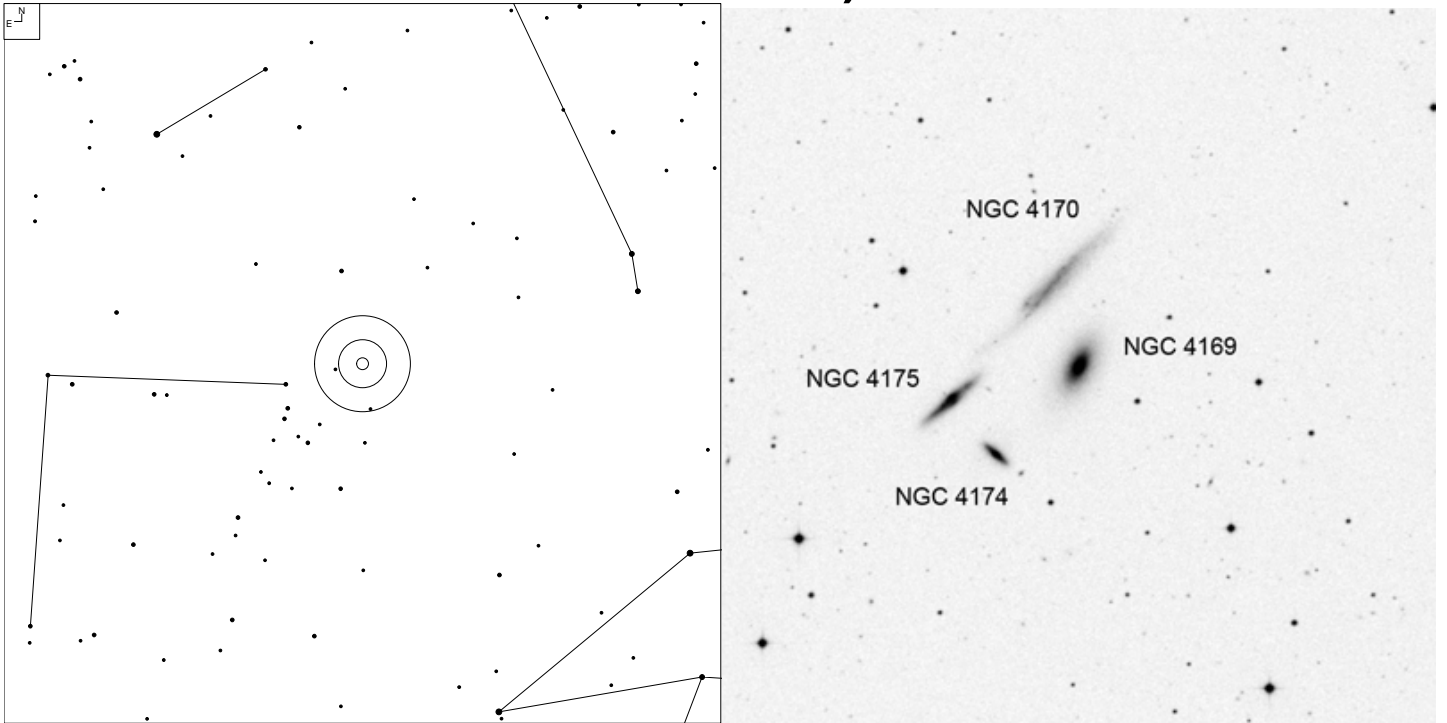


NGC 4089 and NGC 4091 (Coma Berenices)

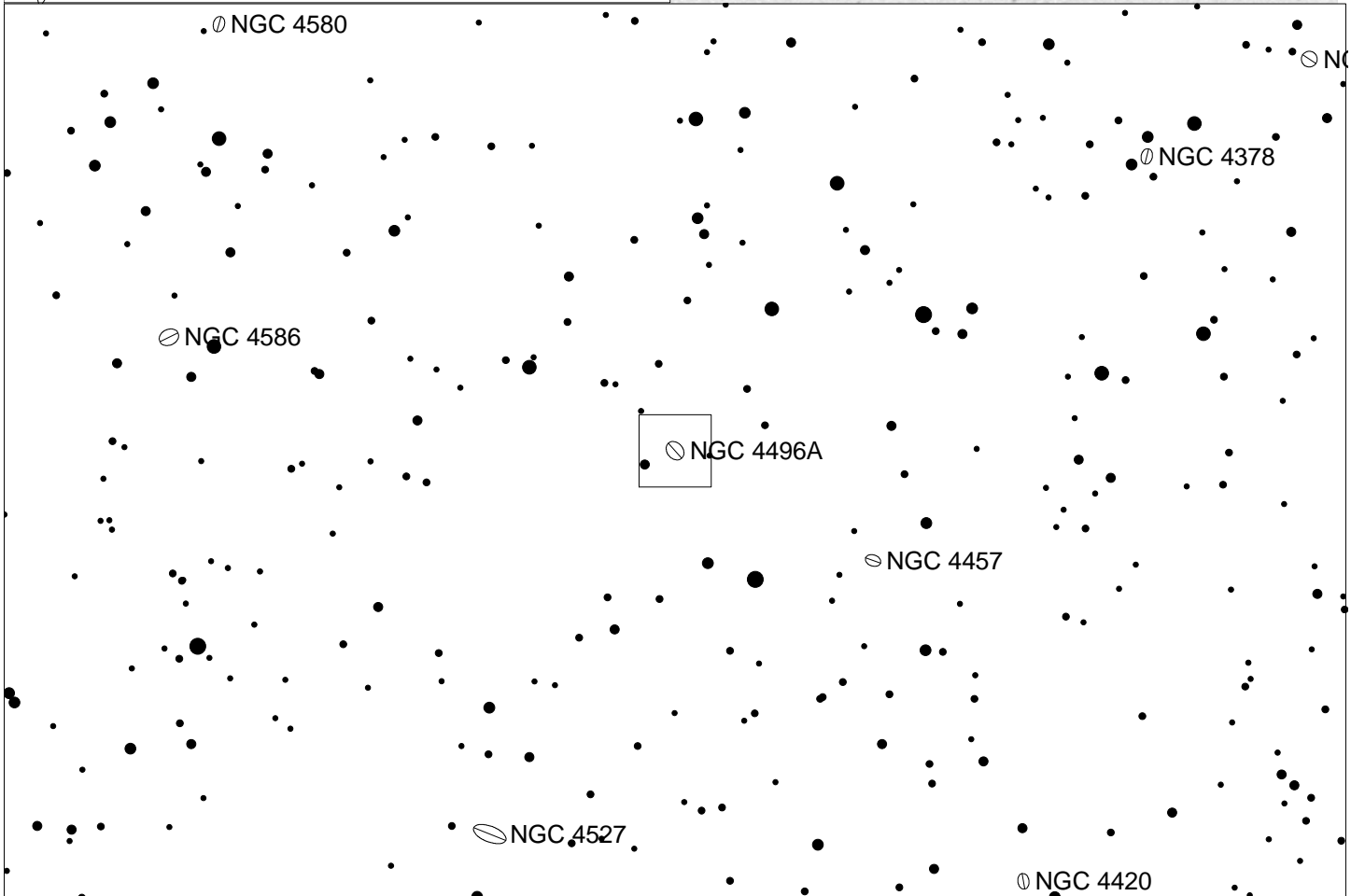
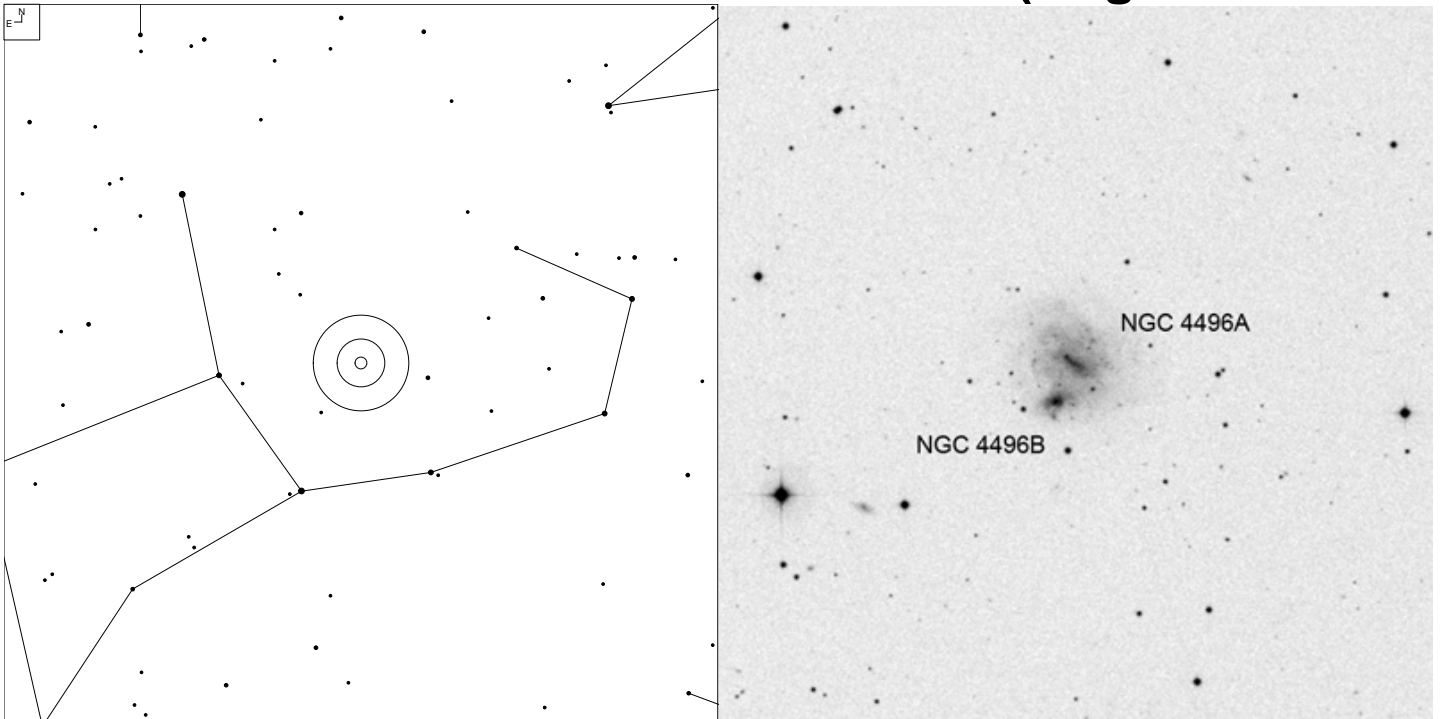


		Galaxy
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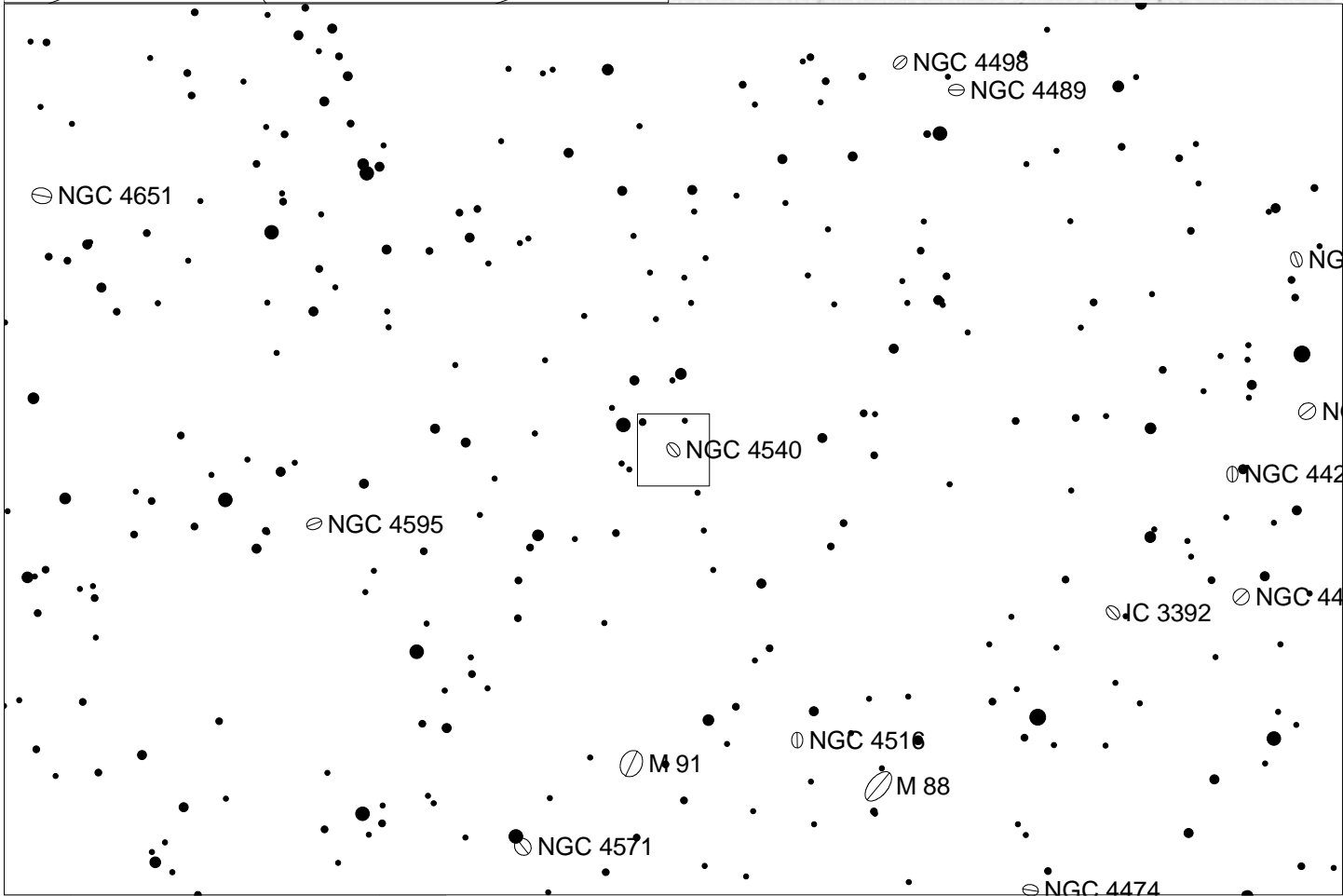
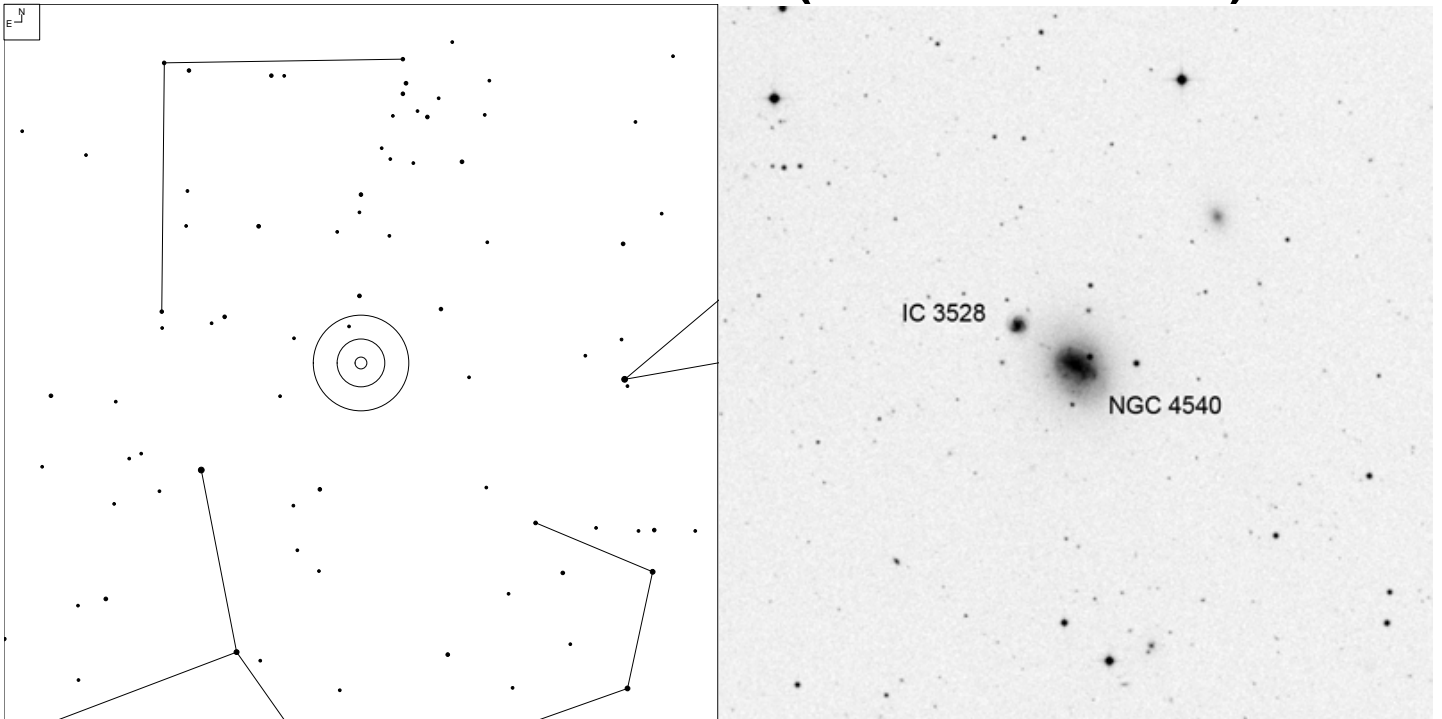
NGC 4169 and NGC 4173 – Hickson 61 (Coma Berenices)



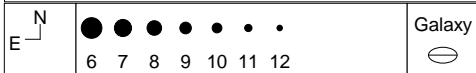
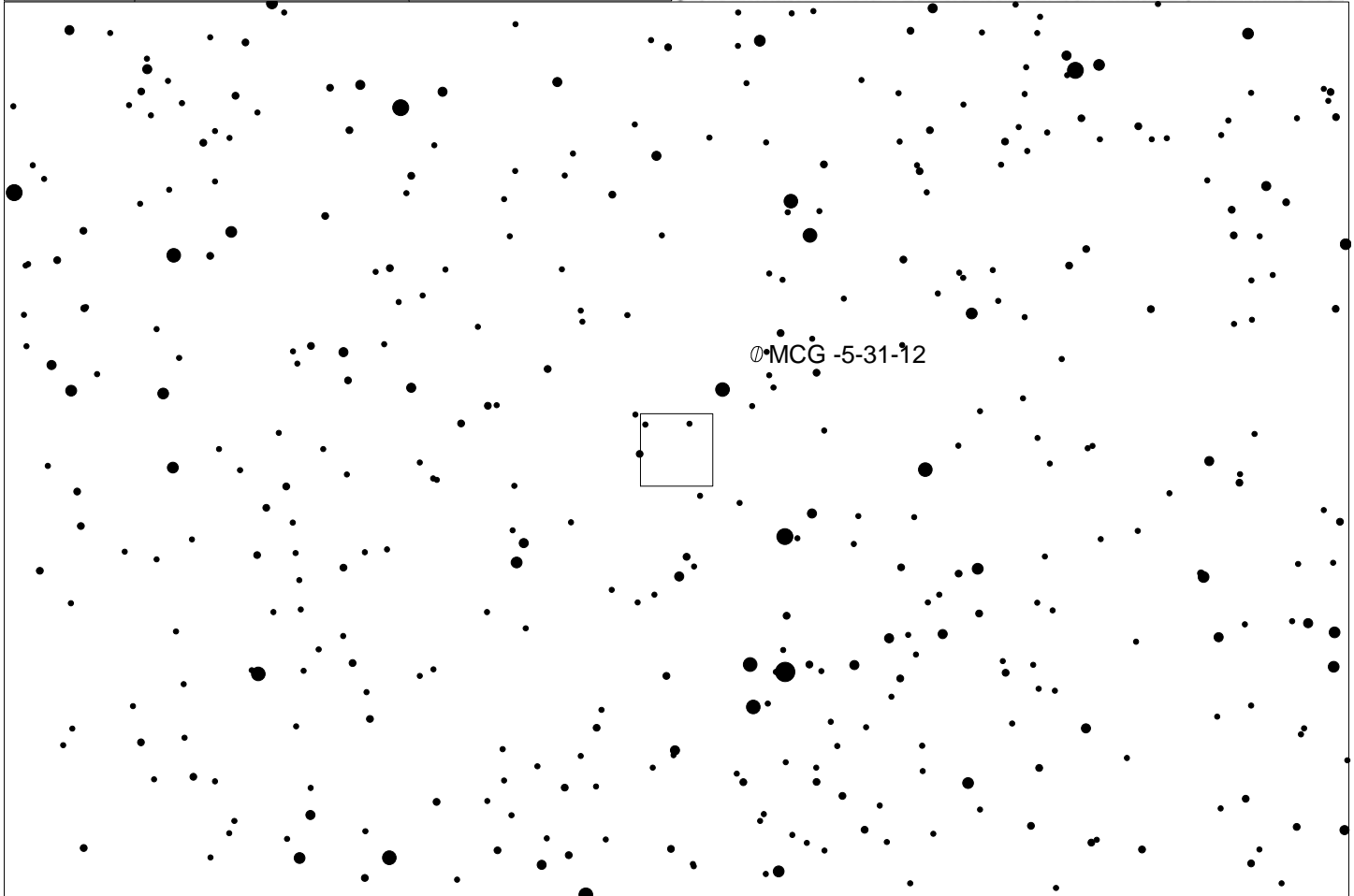
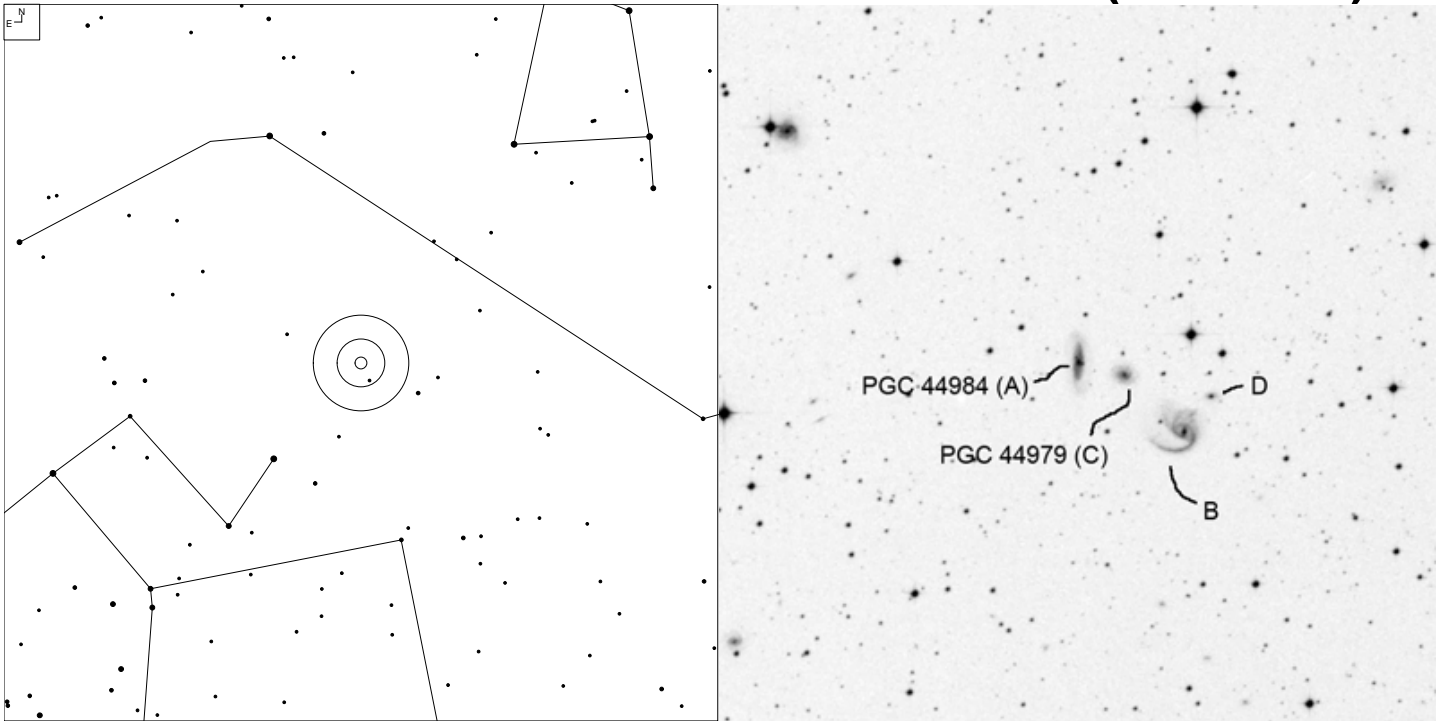
NGC 4496A and NGC 4496B (Virgo)



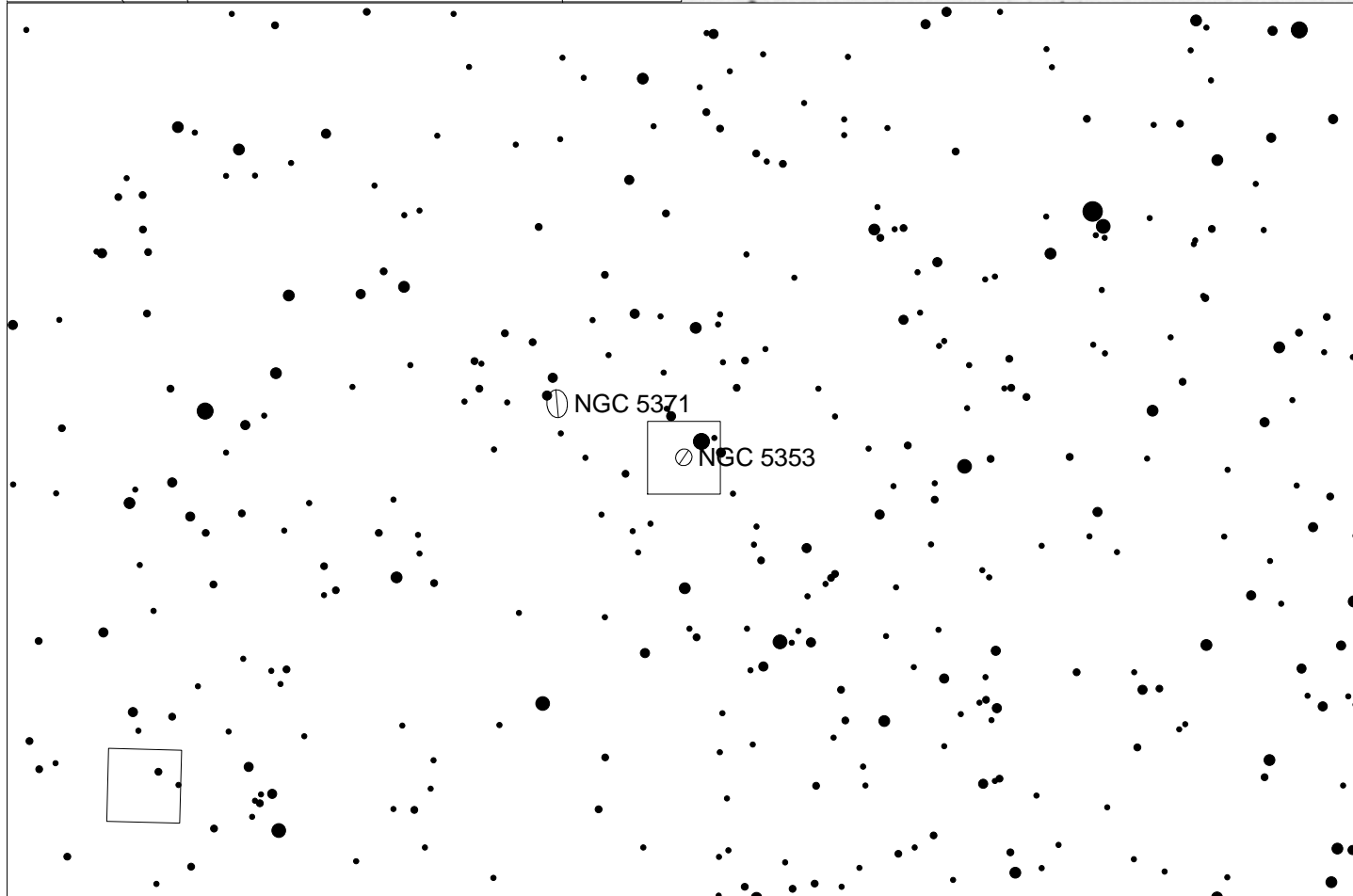
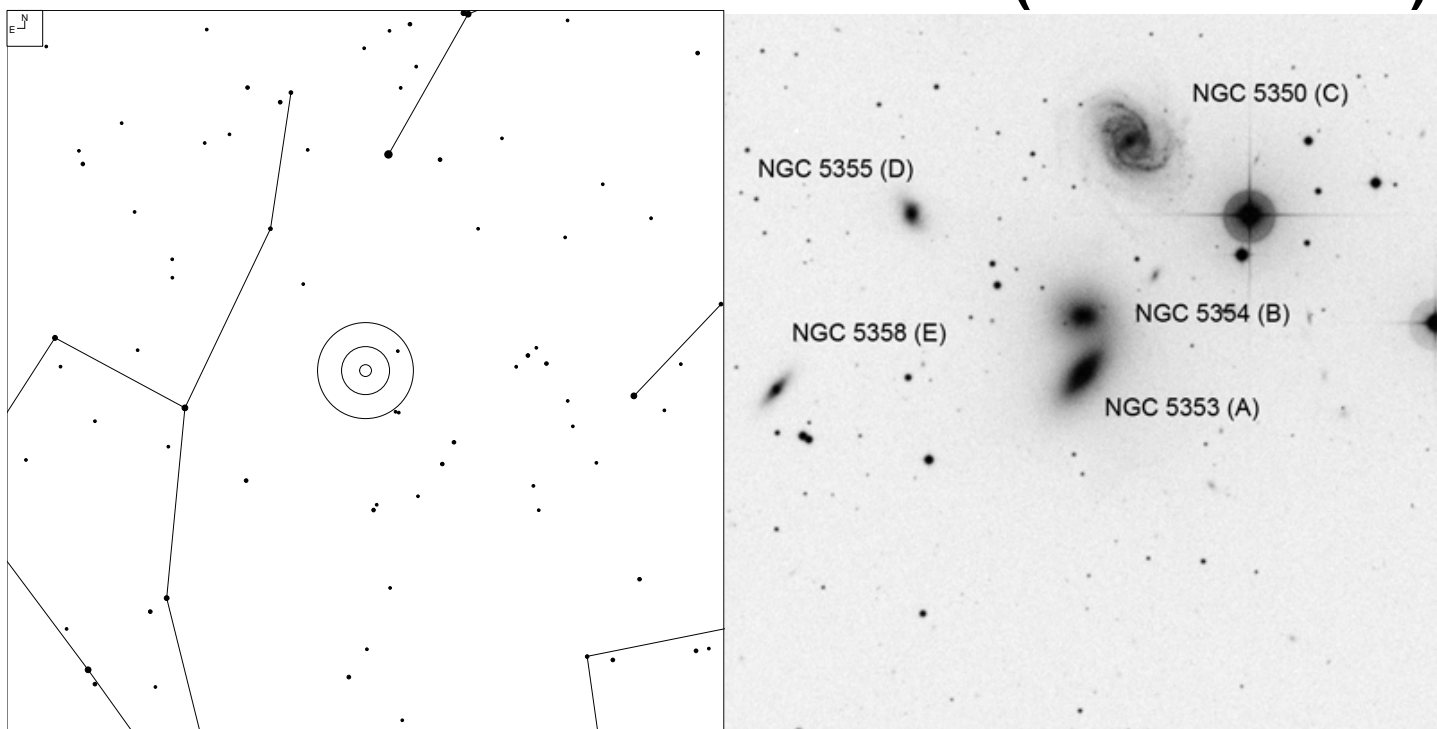
NGC 4540 and IC 3528 (Coma Berenices)



PGC 44984 and PGC 44979 Hickson 63 (Centarus)

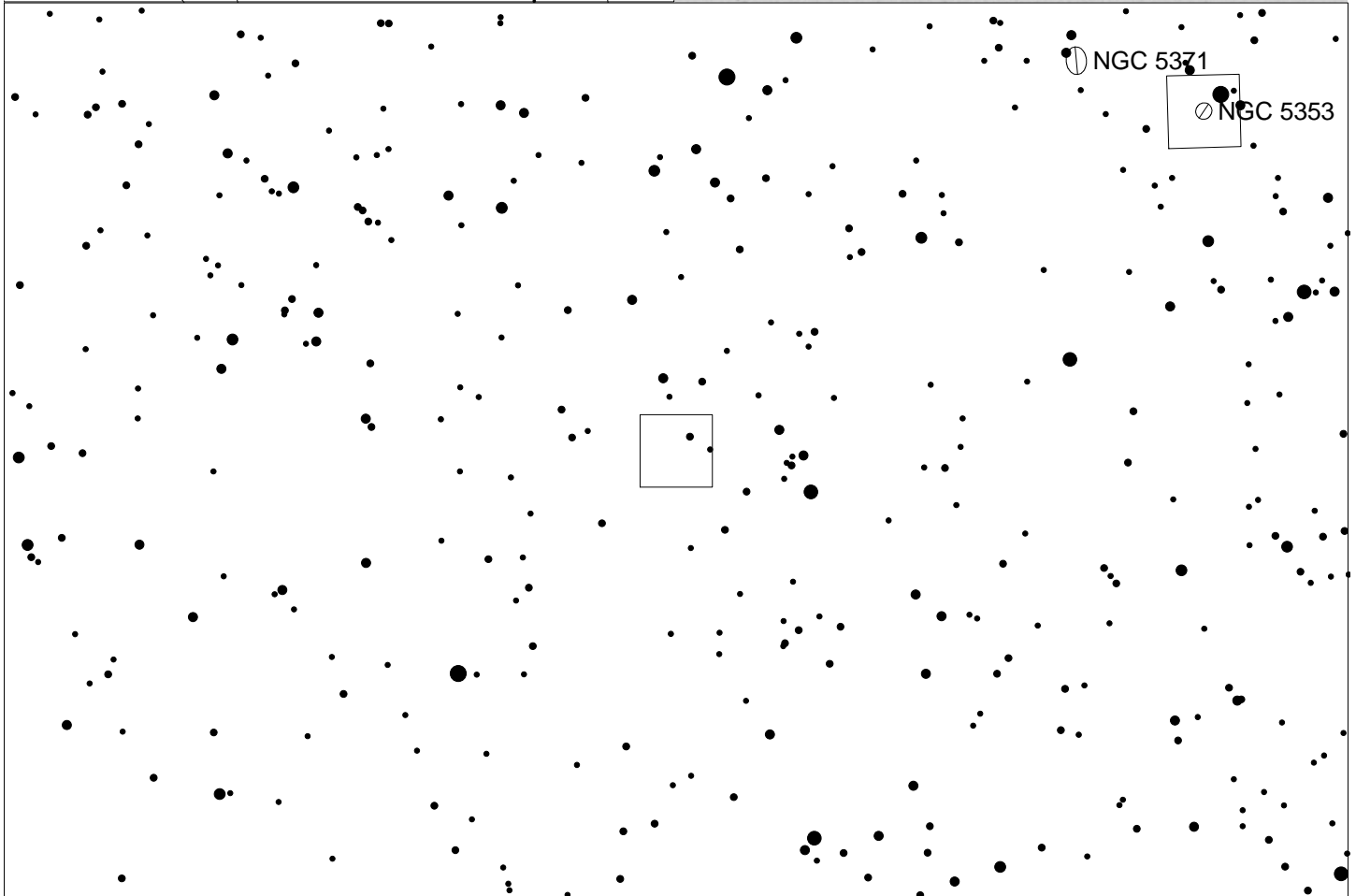
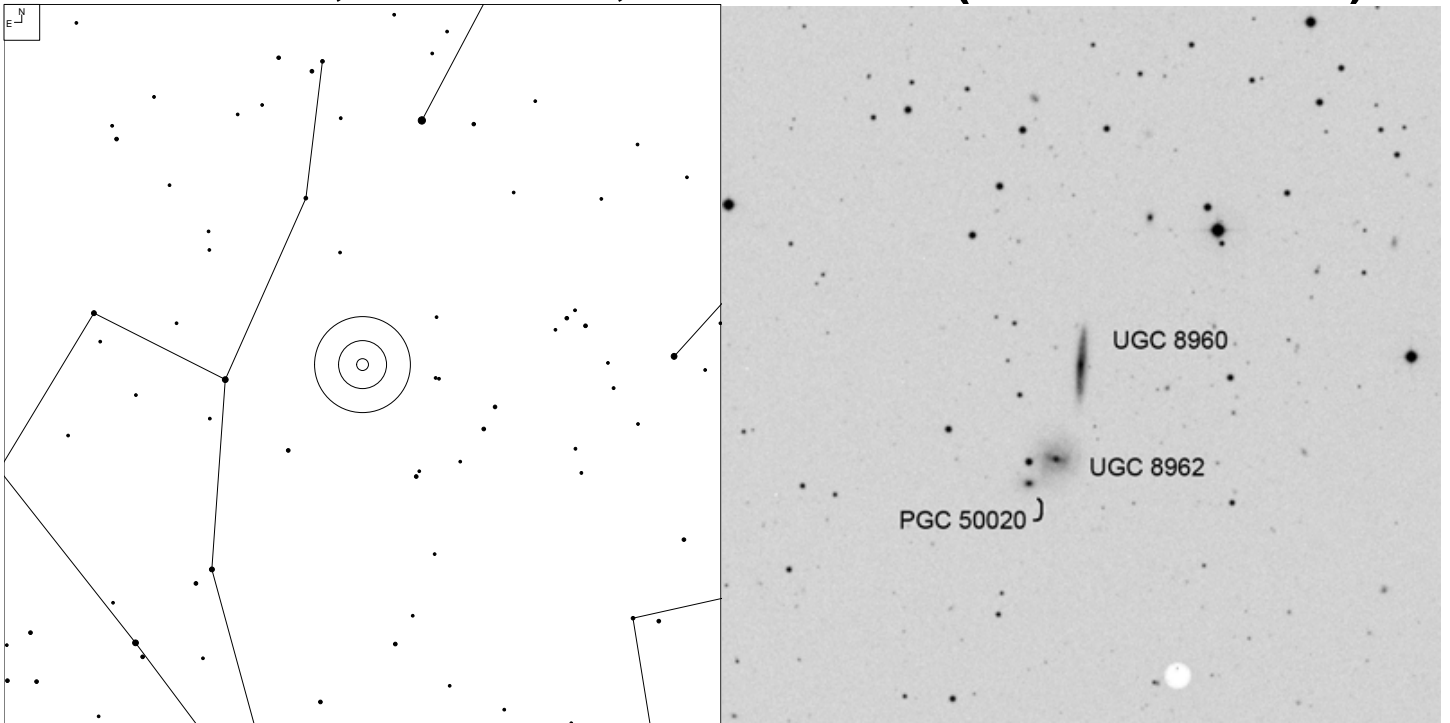


NGC 5353 and NGC 5354 - Hickson 68 (Canes Venatici)

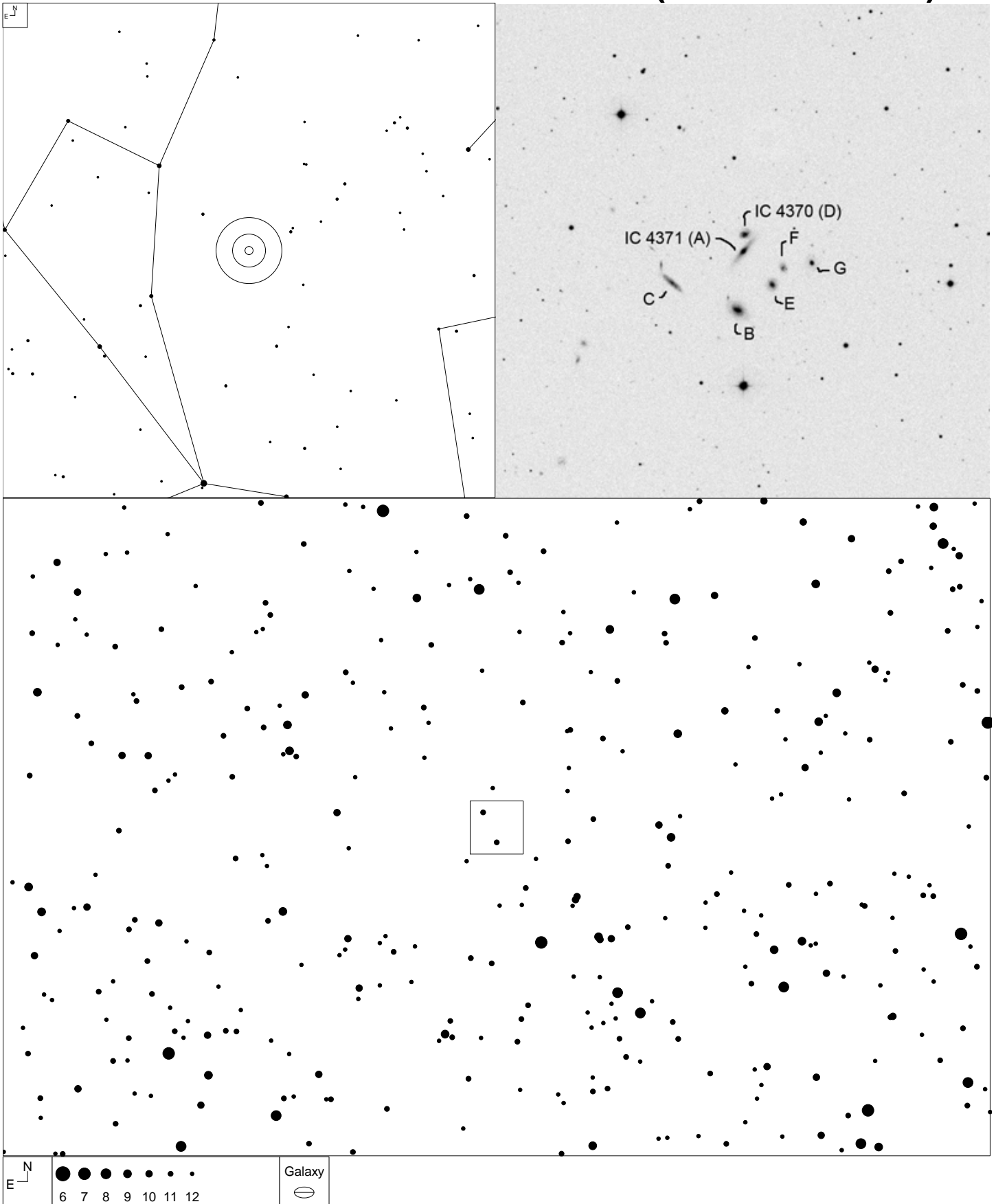


		Galaxy
	6 7 8 9 10 11 12	

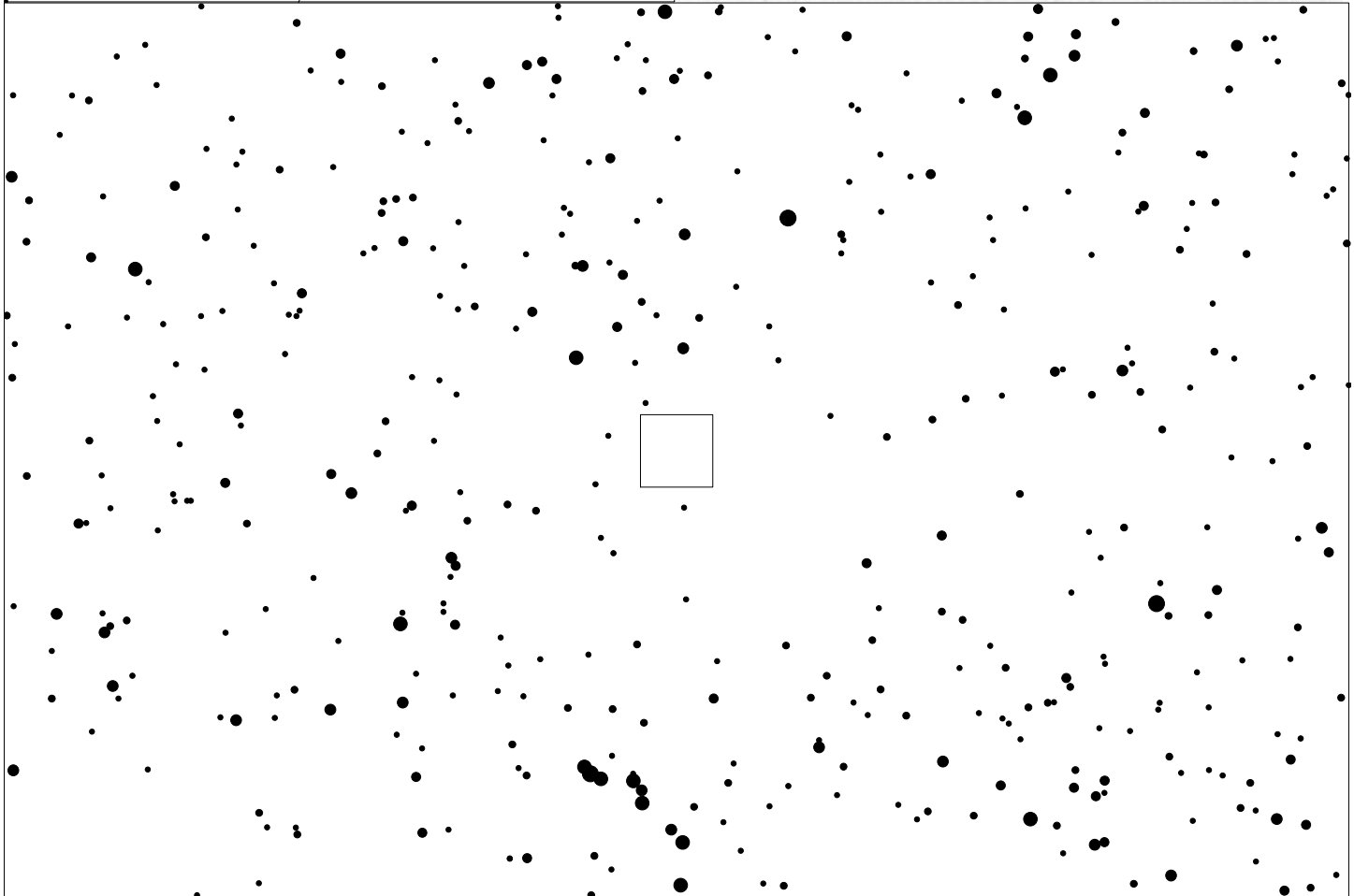
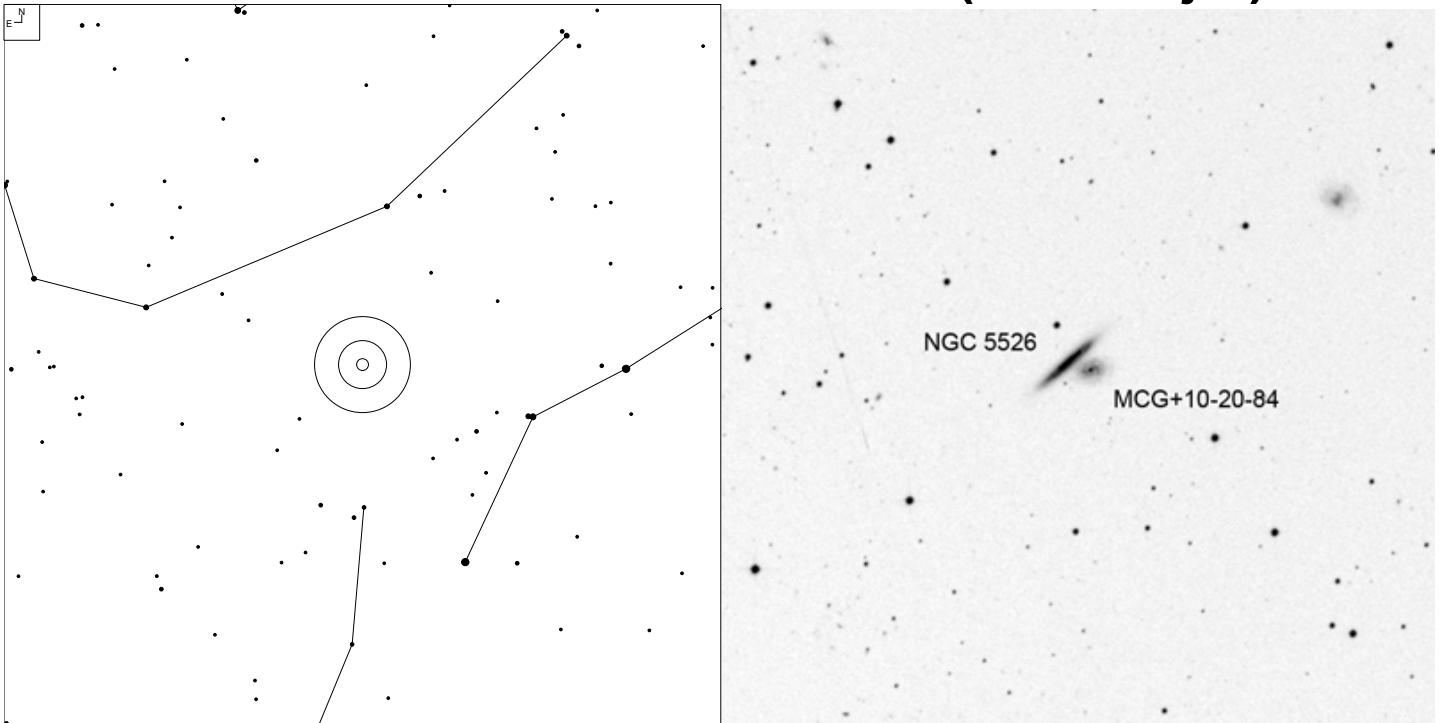
UGC 8960, UGC 8962, PGC 50020 (Canes Venatici)



IC 4371 and IC 4370 – Hickson 70 (Canes Venatici)

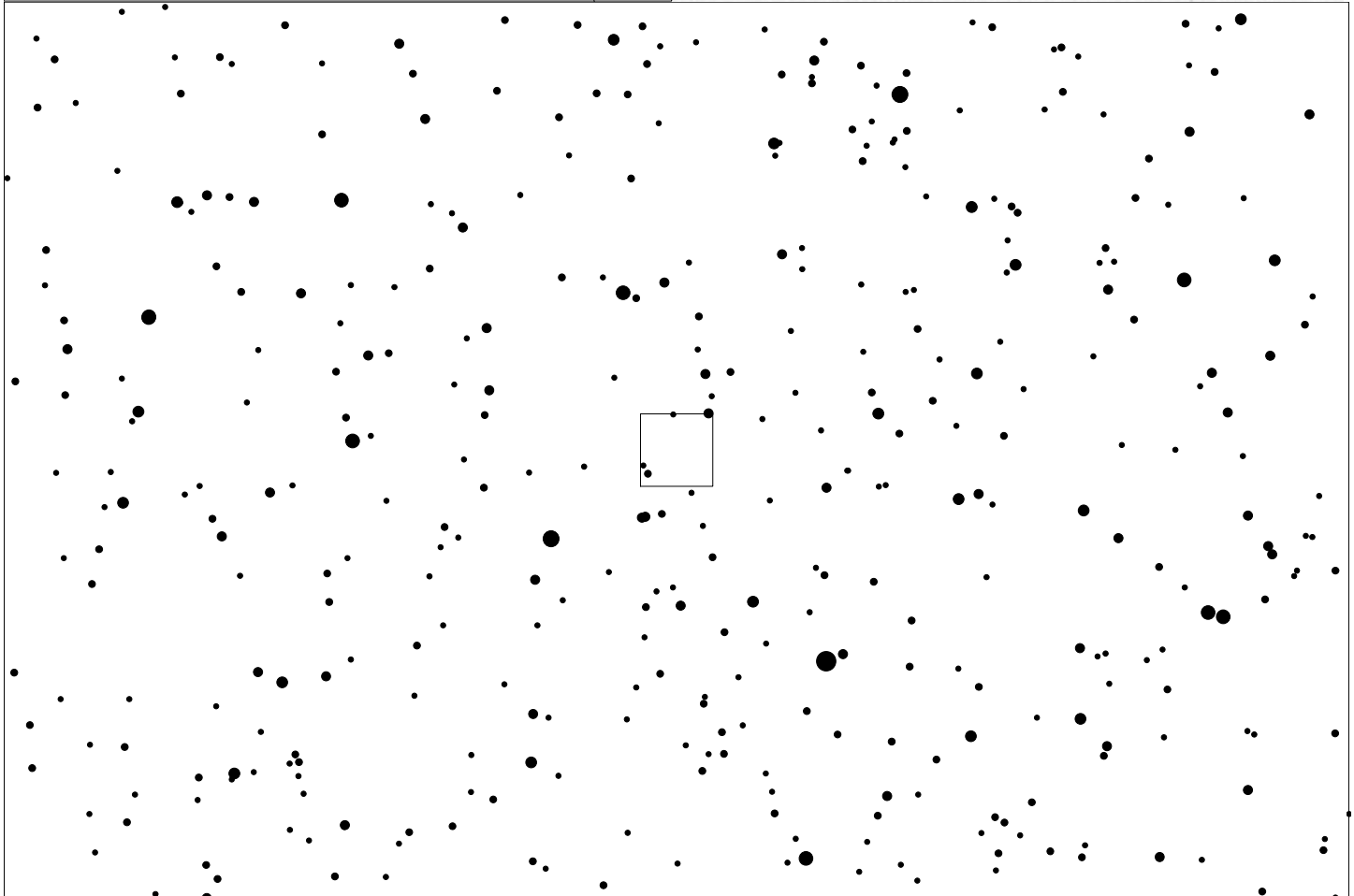
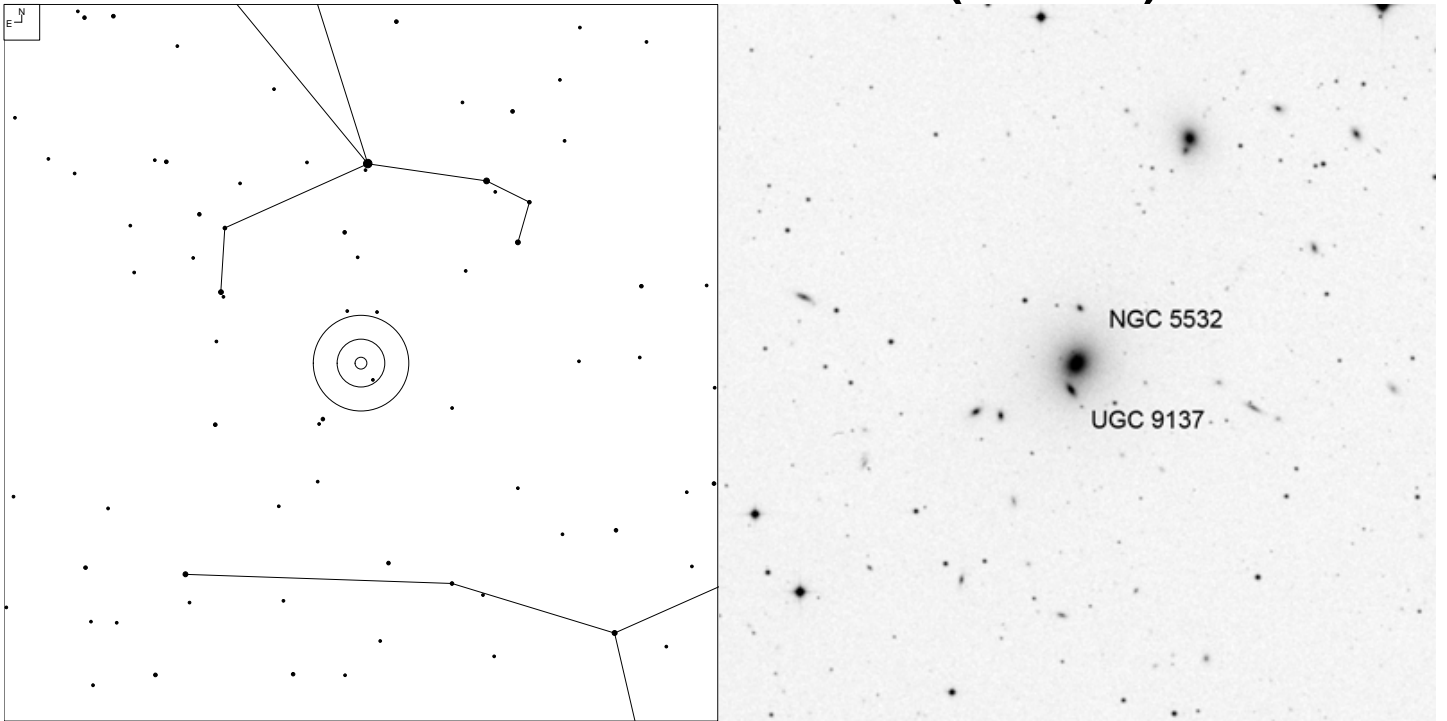


NGC 5526 and MCG+10-20-84 (Ursa Major)



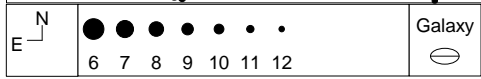
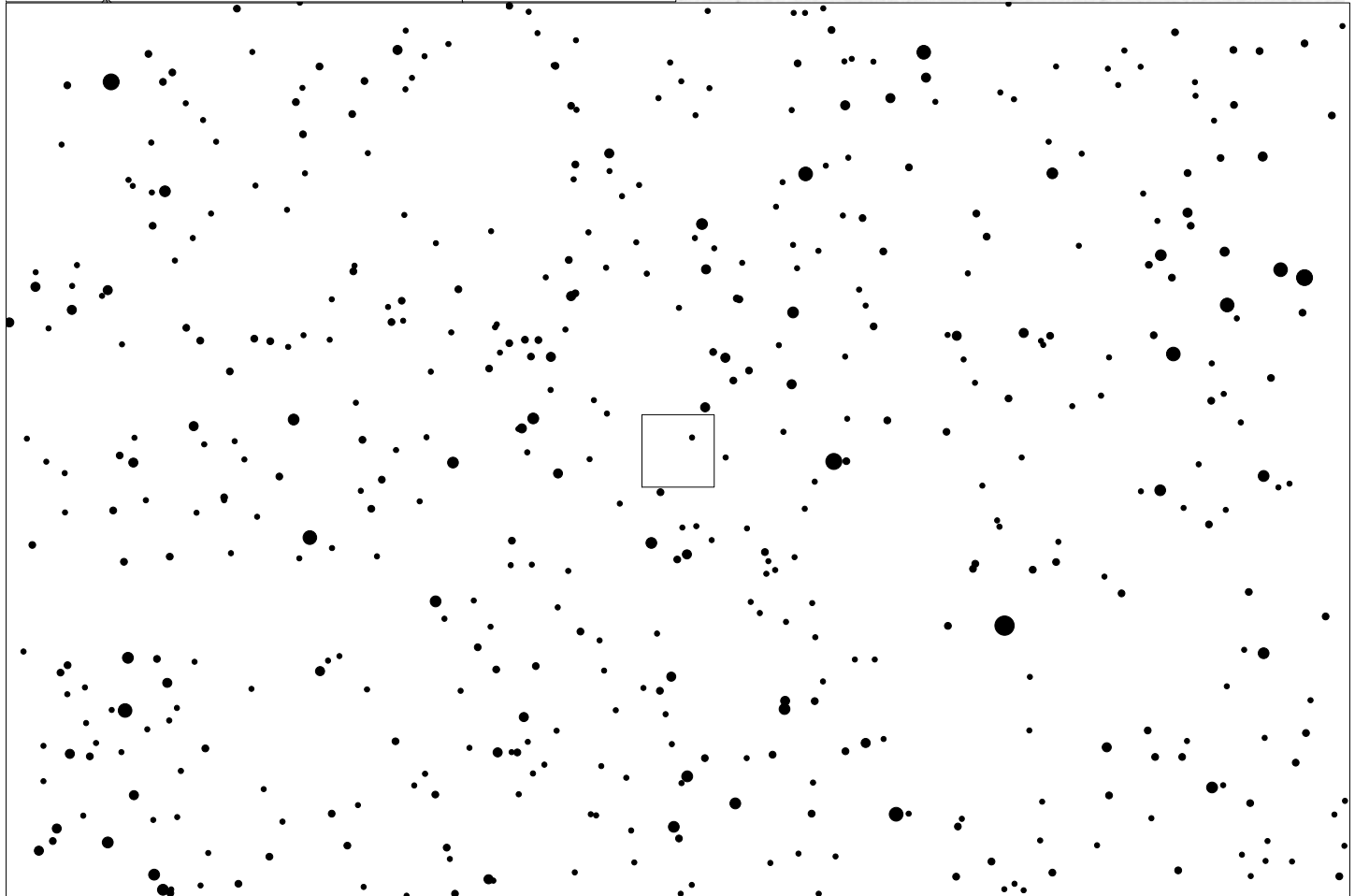
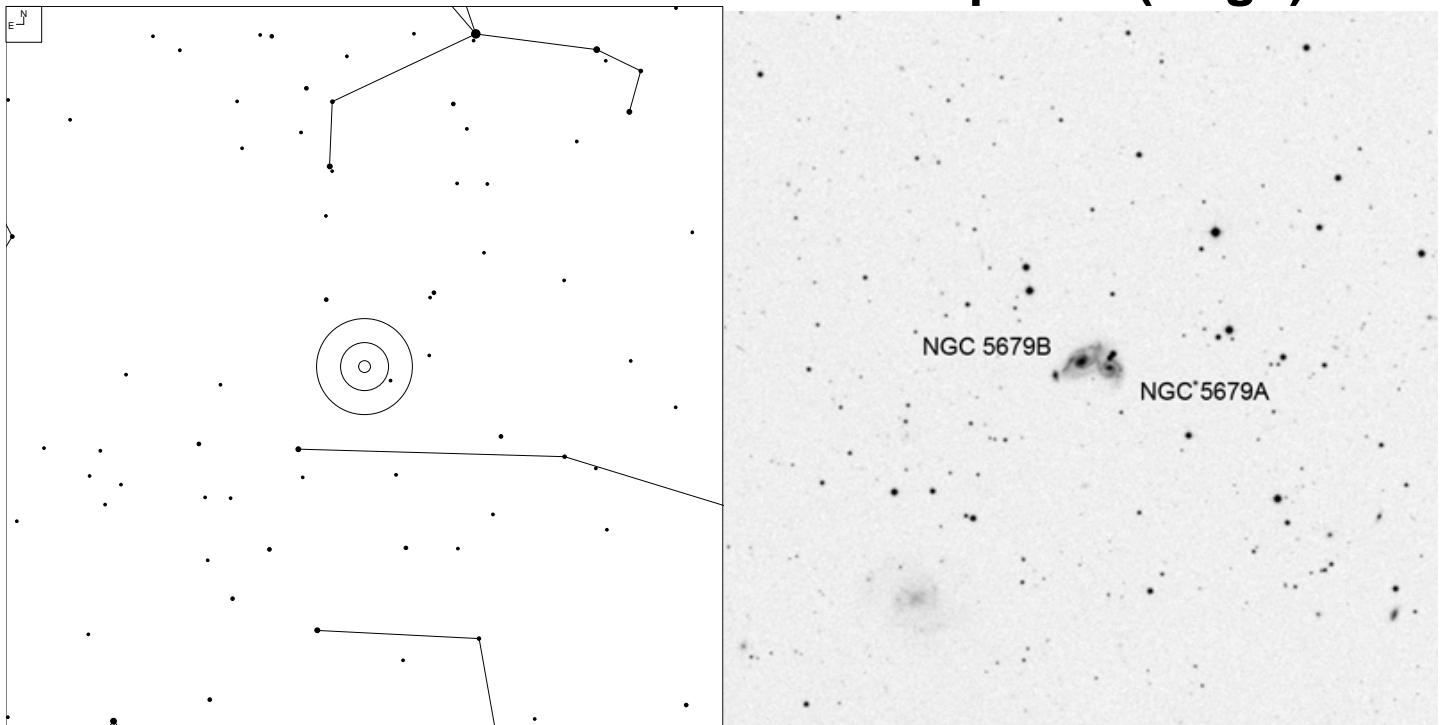
	7 8 9 10 11 12	Galaxy

NGC 5532 and UGC 9137 (Bootes)

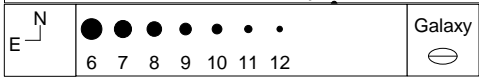
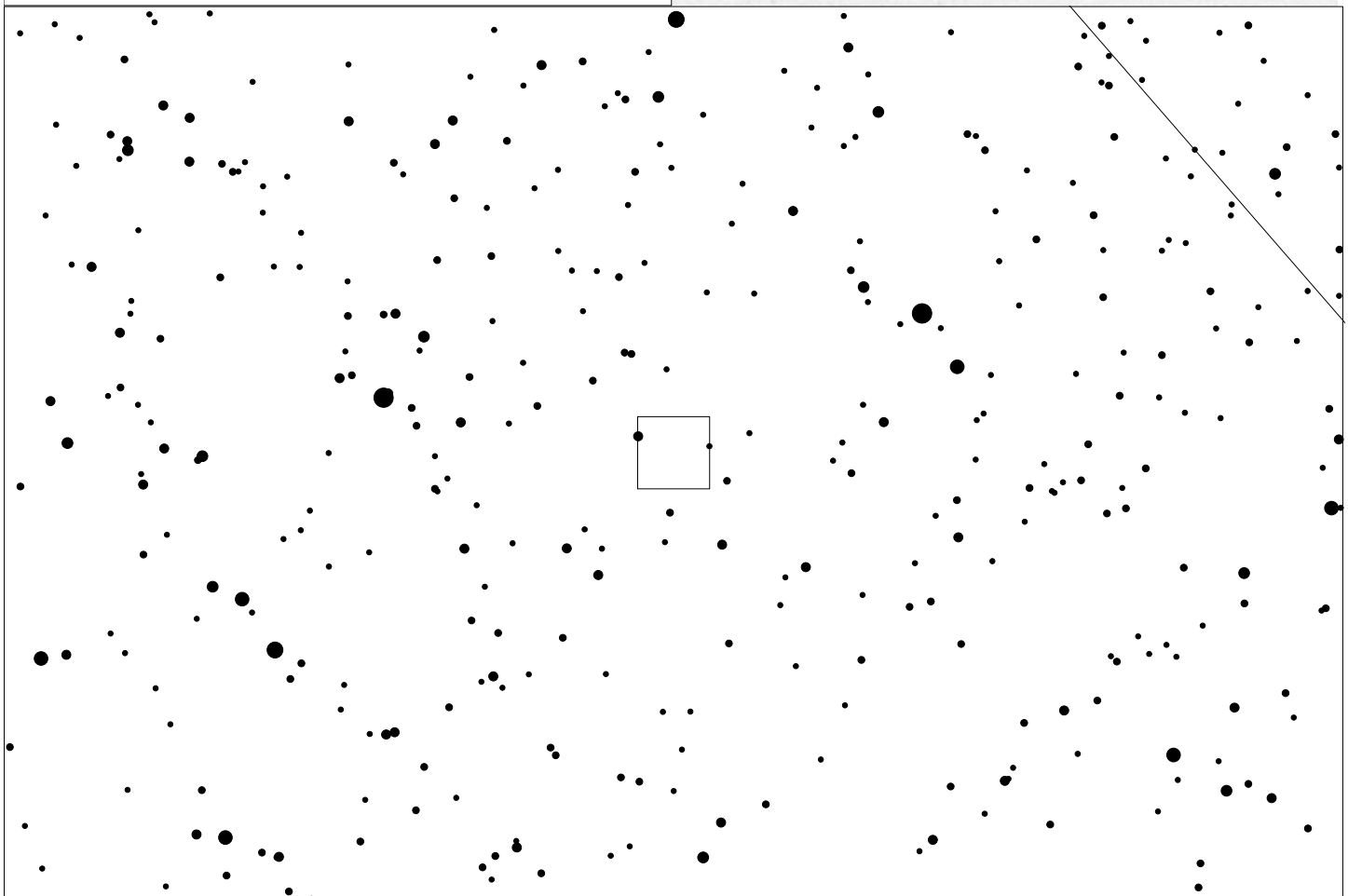
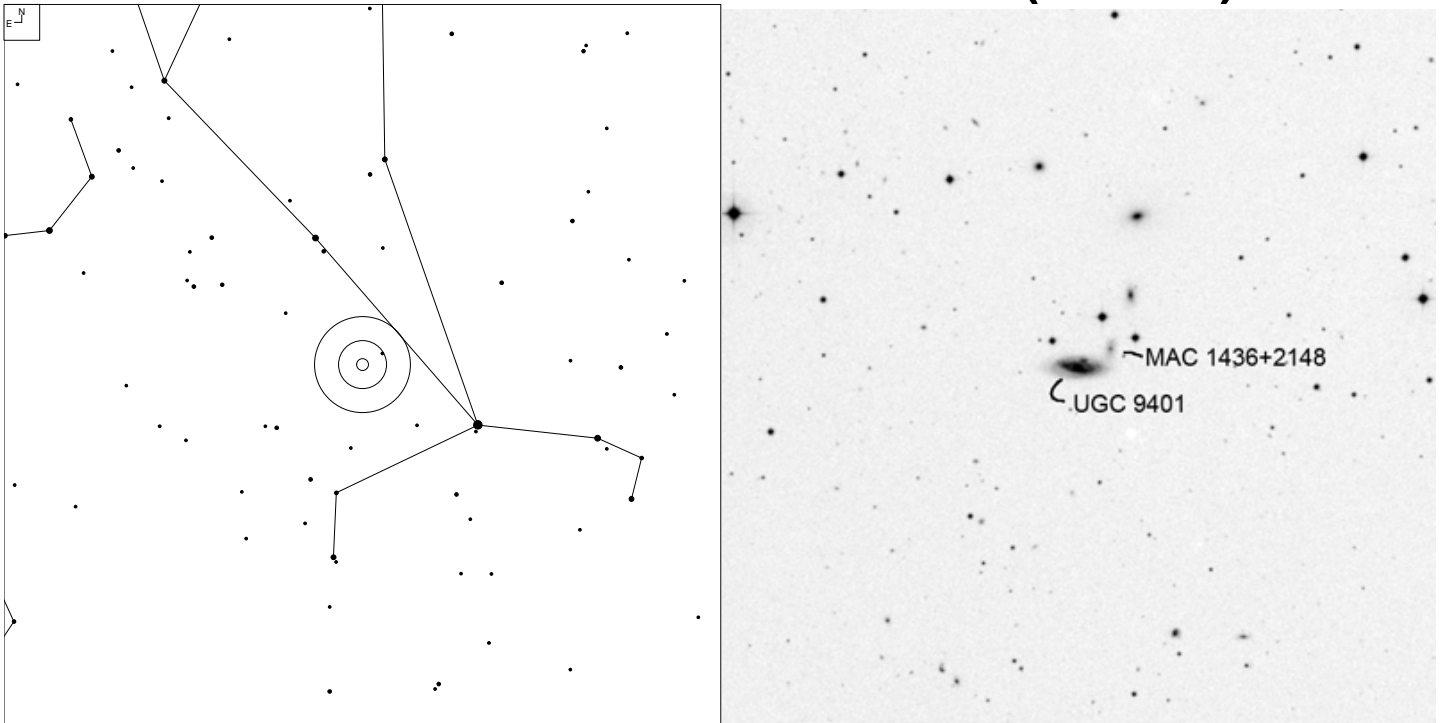


		Galaxy
	5 6 7 8 9 10 11 12	

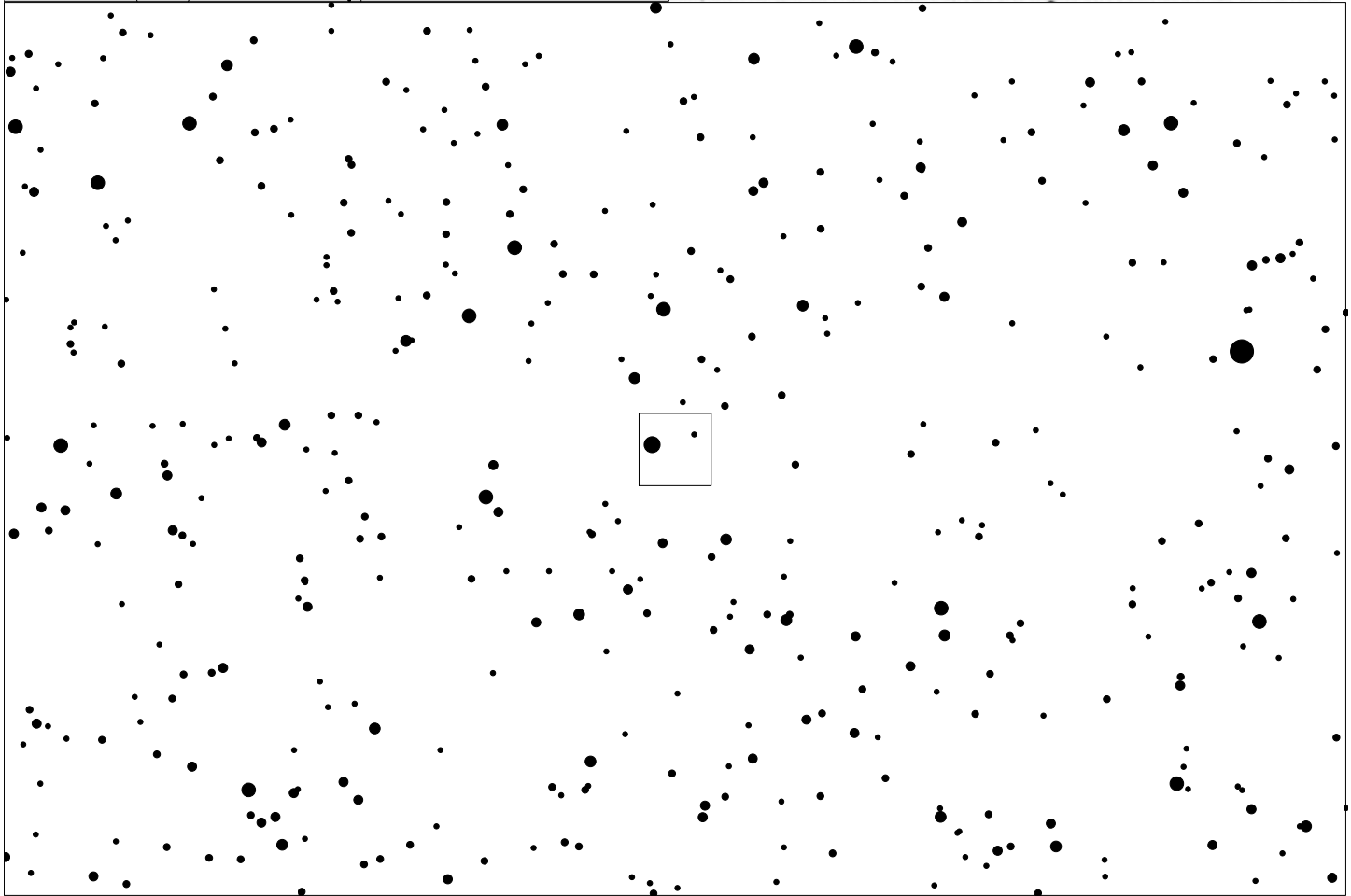
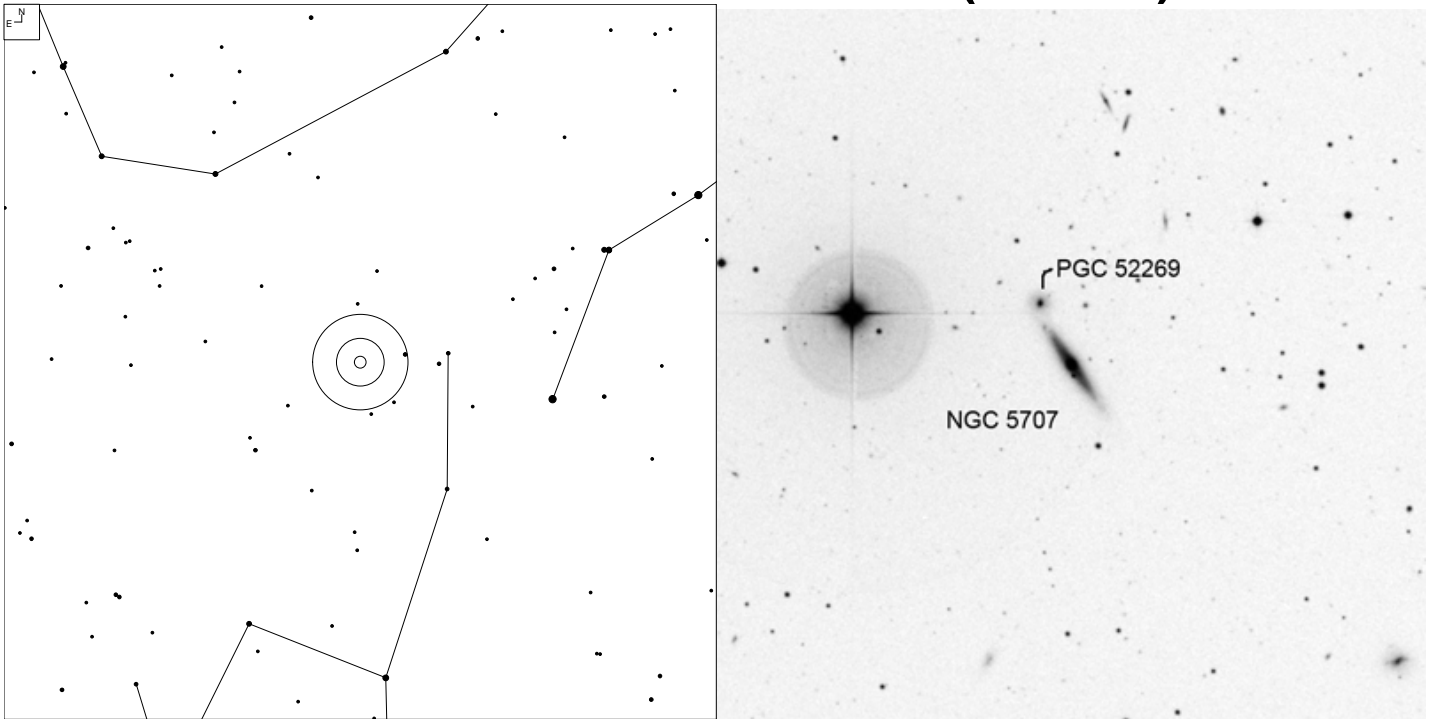
NGC 5679B and NGC 5679A – Arp 274 (Virgo)



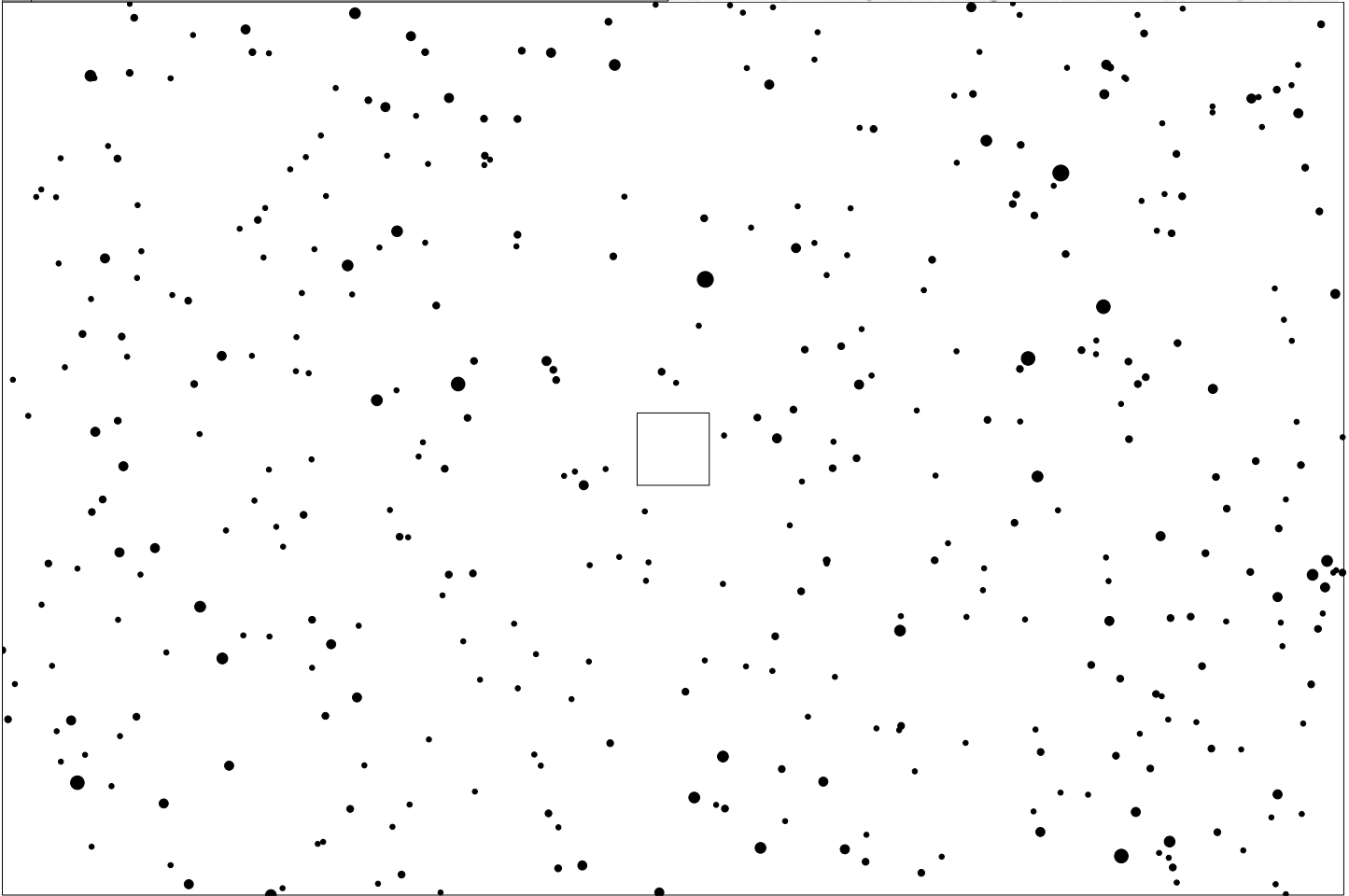
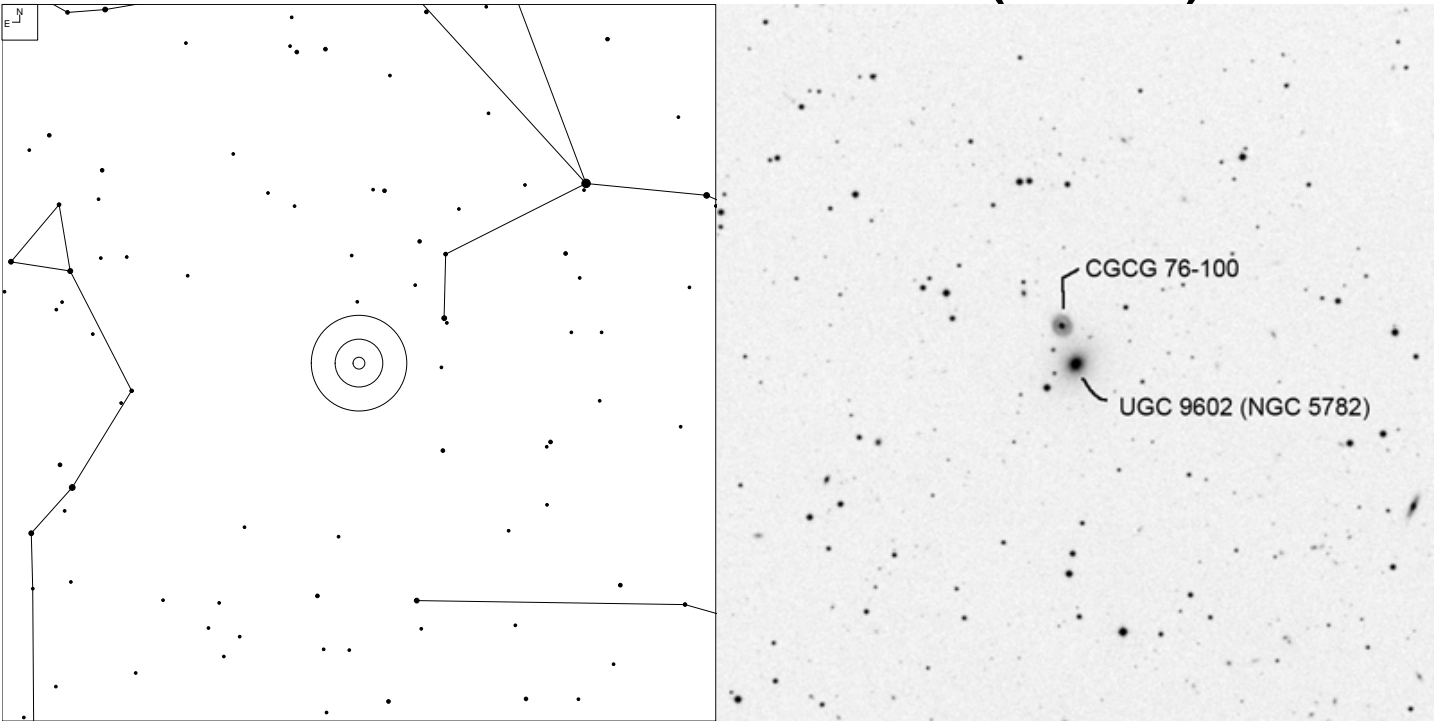
UGC 9401 and MAC 1436+2148 (Bootes)



NGC 5707 and PGC 52269 (Bootes)

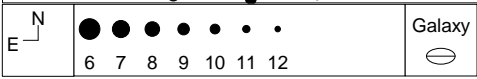
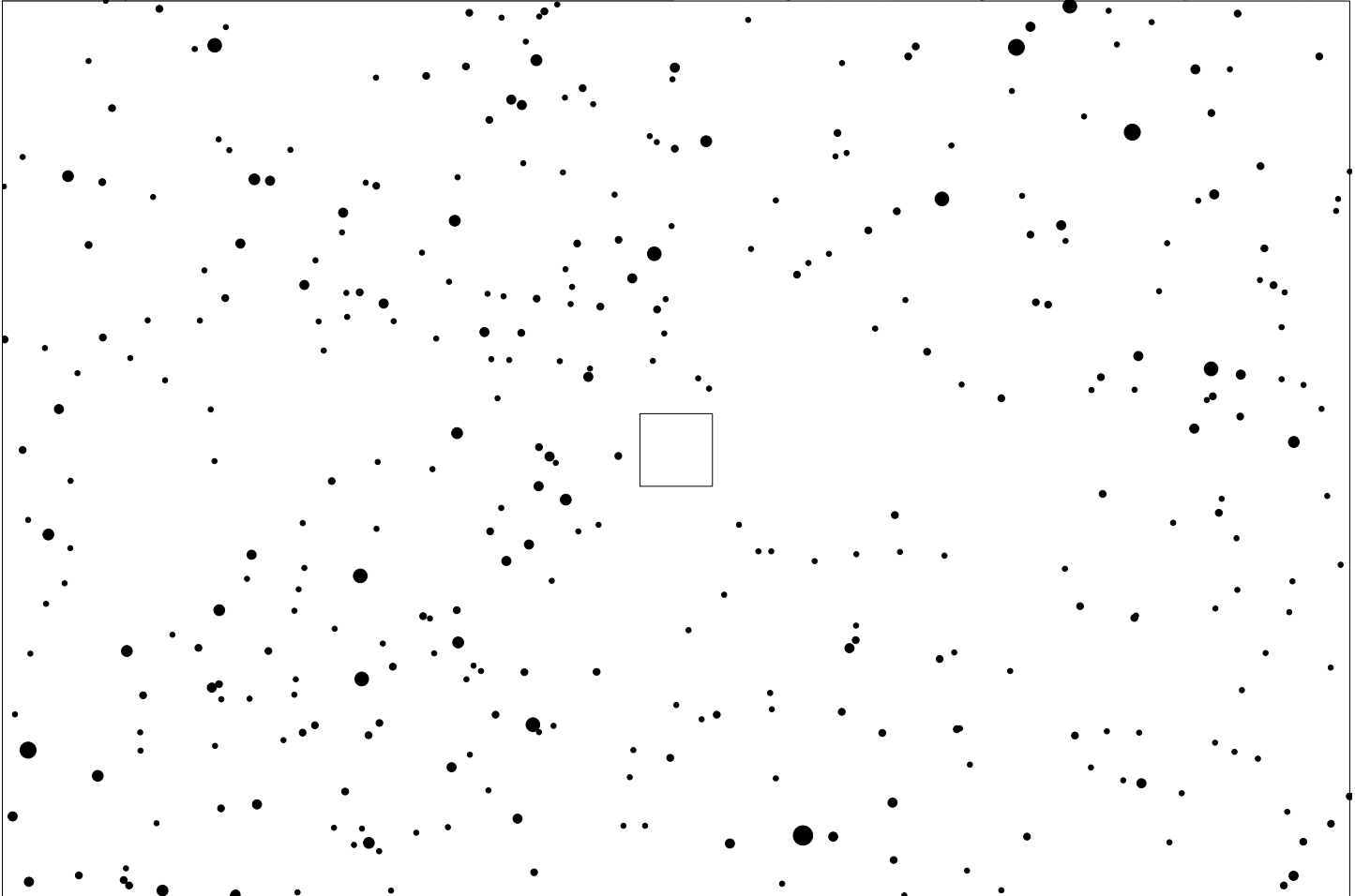
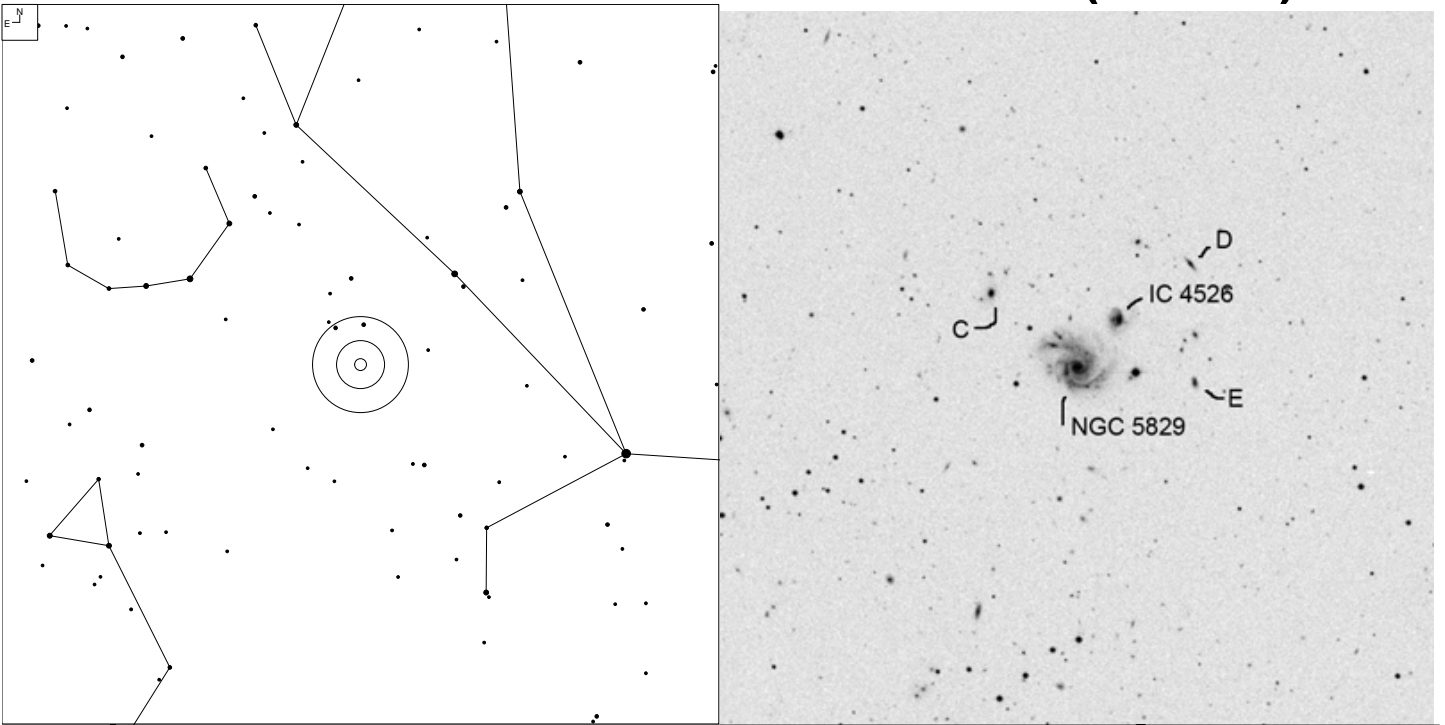


UGC 9602 and CGCG 76-100 (Bootes)

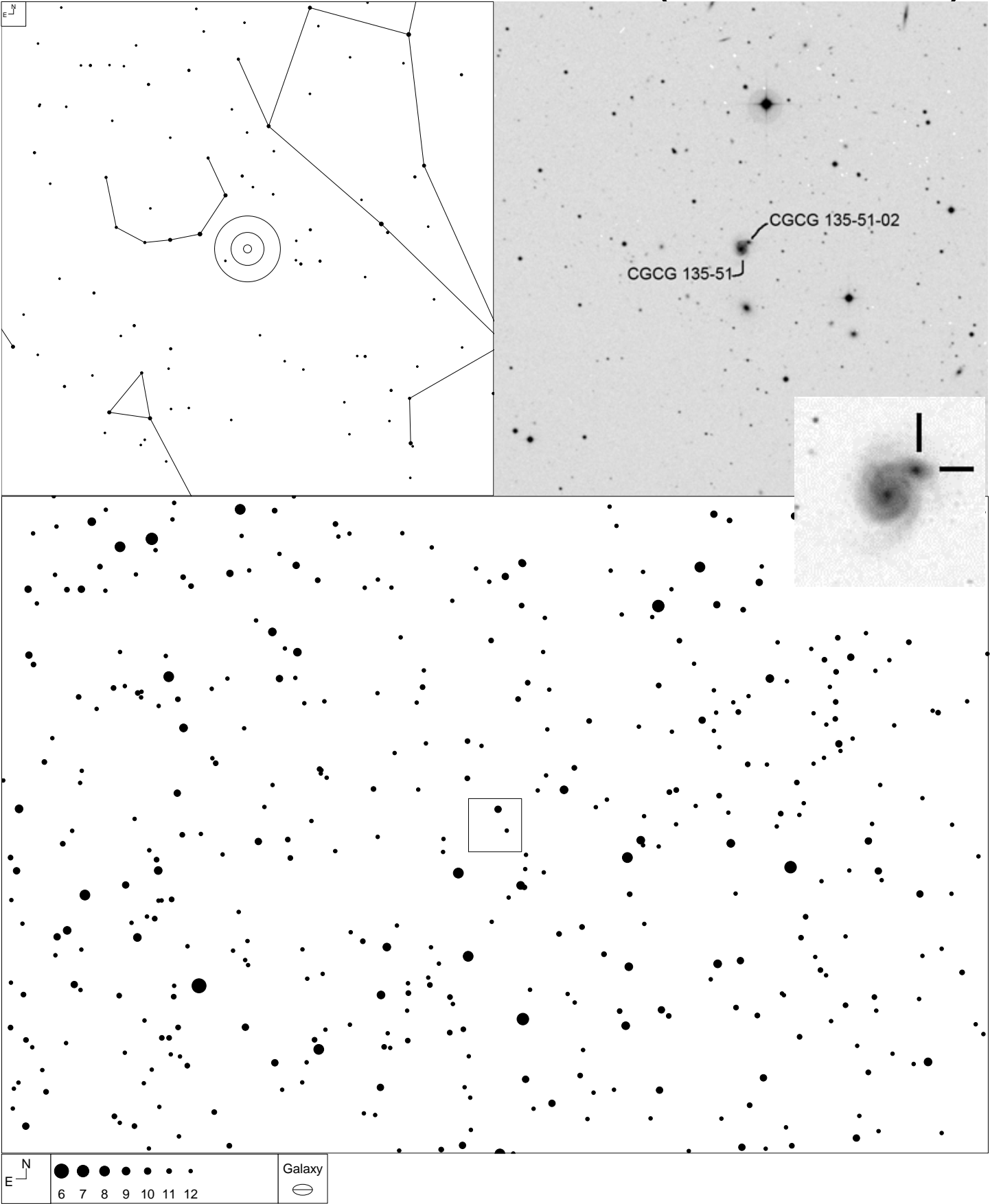


		Galaxy
	6 7 8 9 10 11 12	

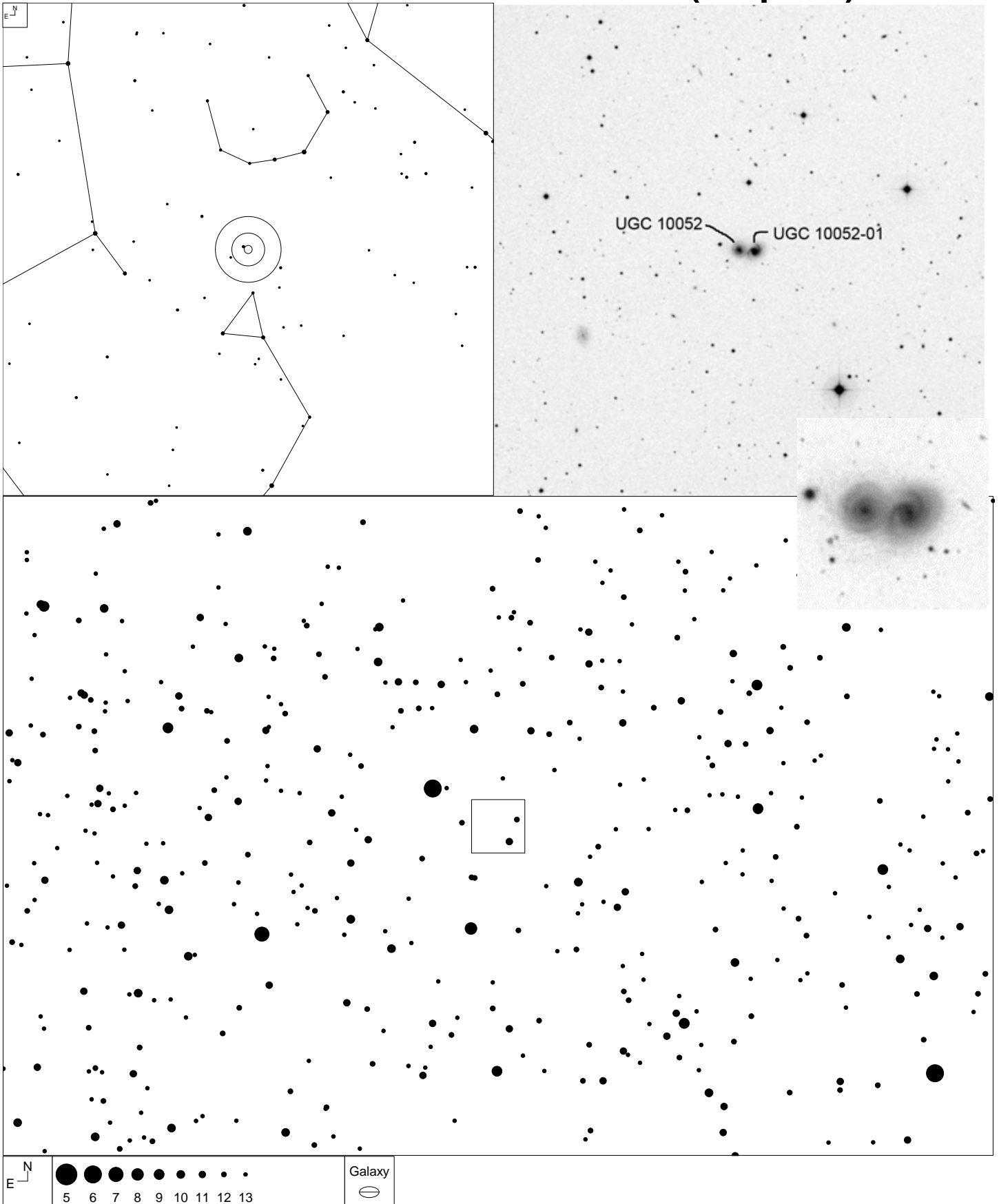
NGC 5829 and IC 4526 – Hickson 73 (Bootes)



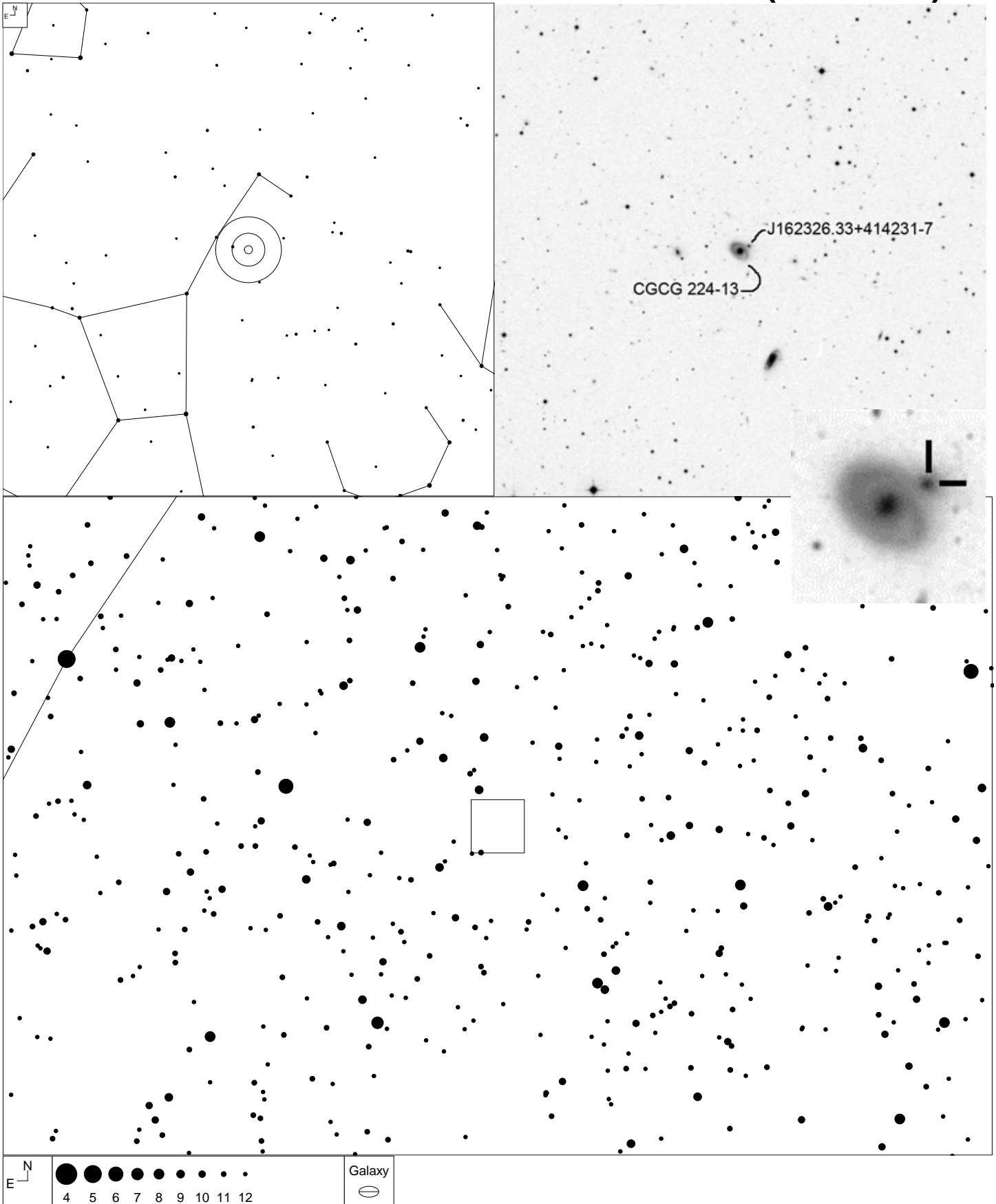
CGCG 135-51 and CGCG 135-51-02 (Corona Borealis)



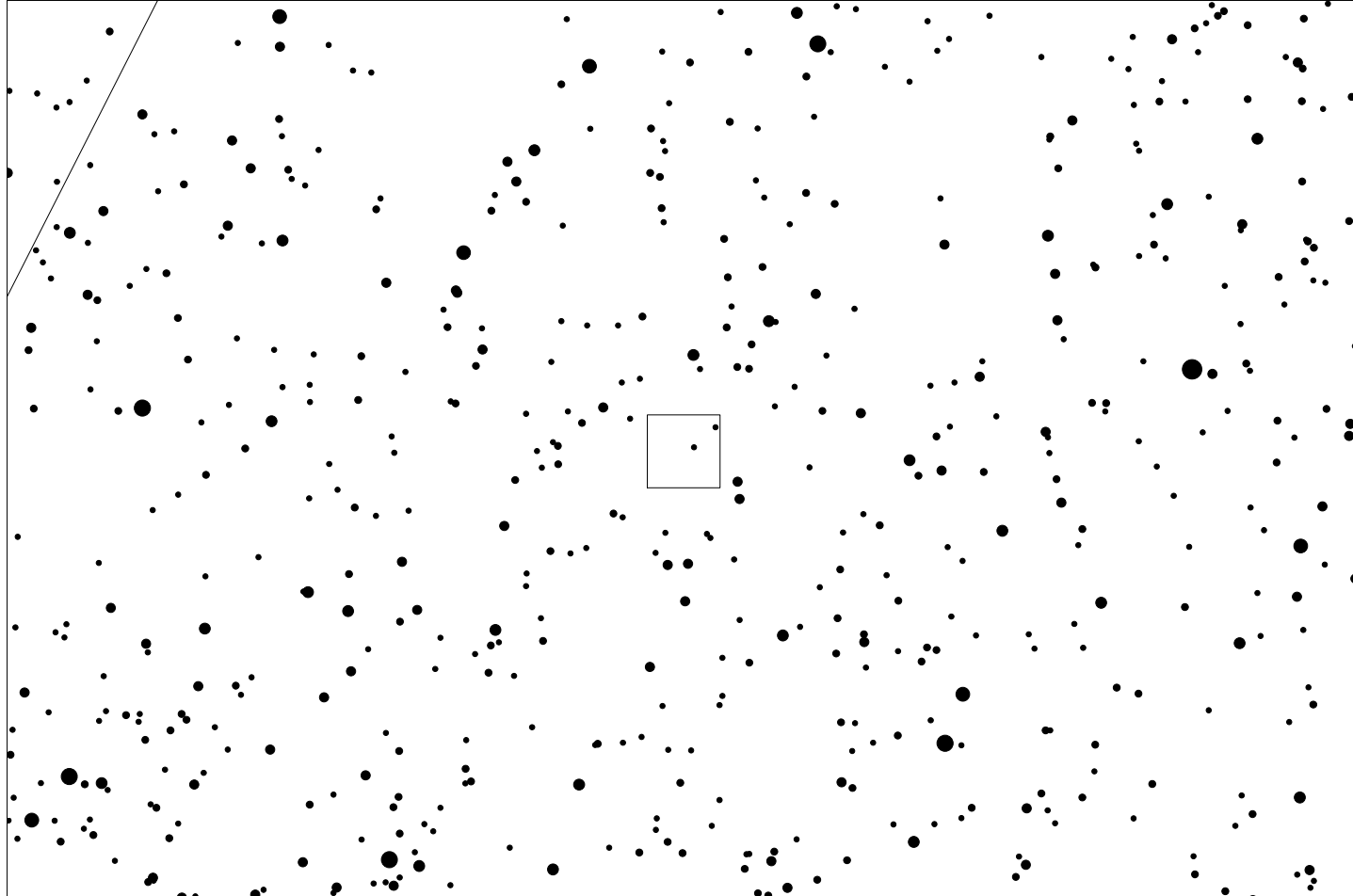
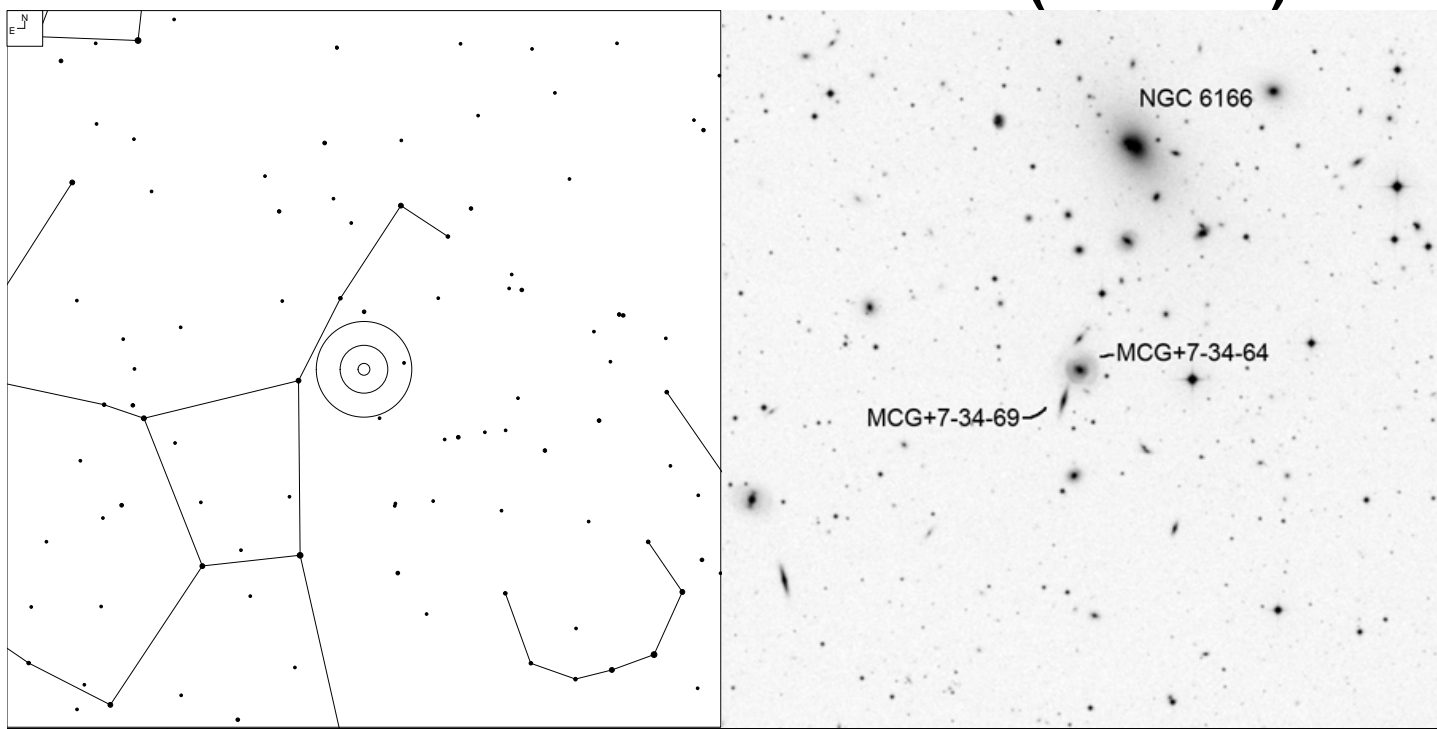
UGC 10052 and UGC 10052-01 (Serpens)



CGCG 224-13 and J162326.33+414231-7 (Hercules)

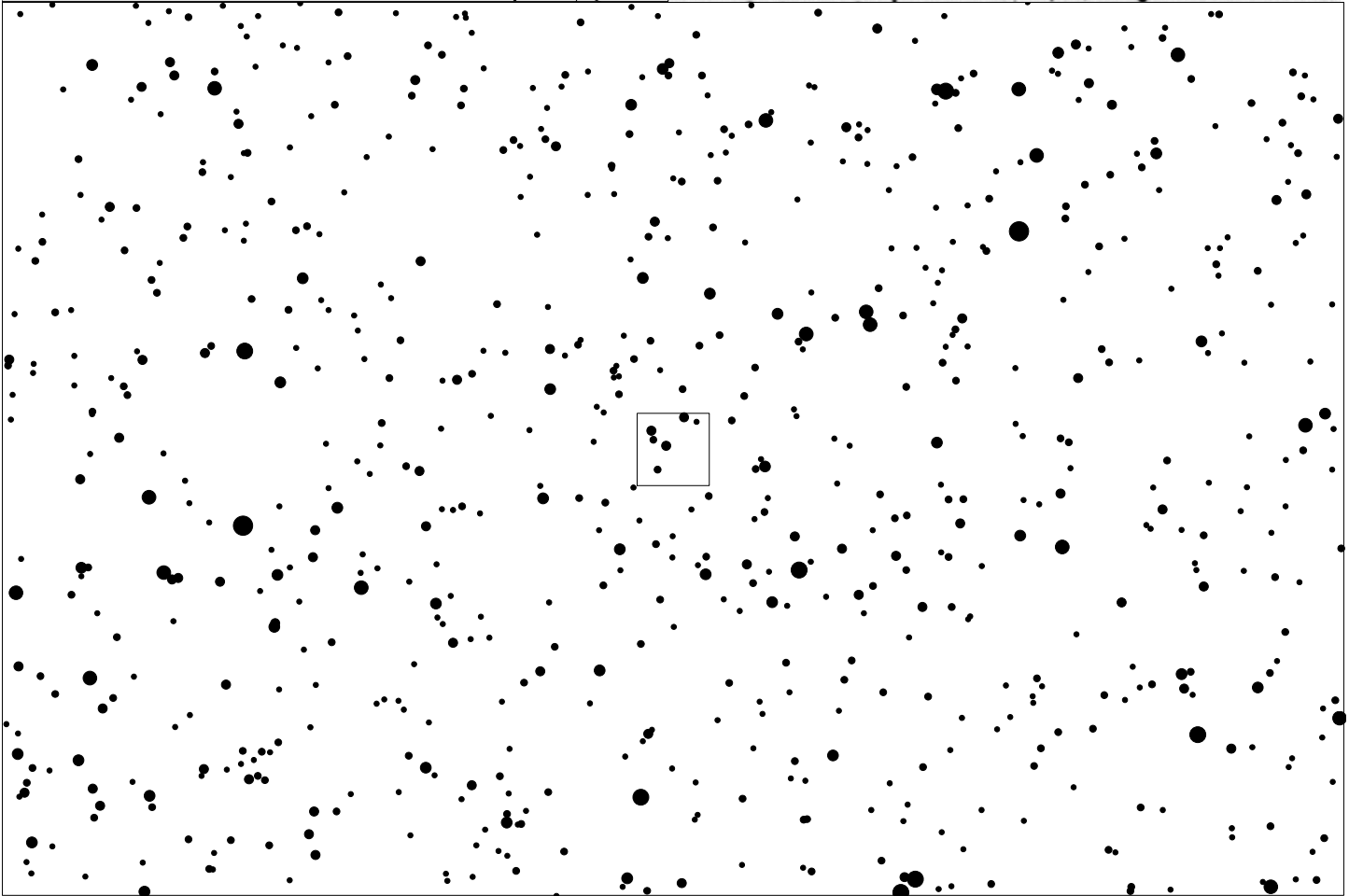
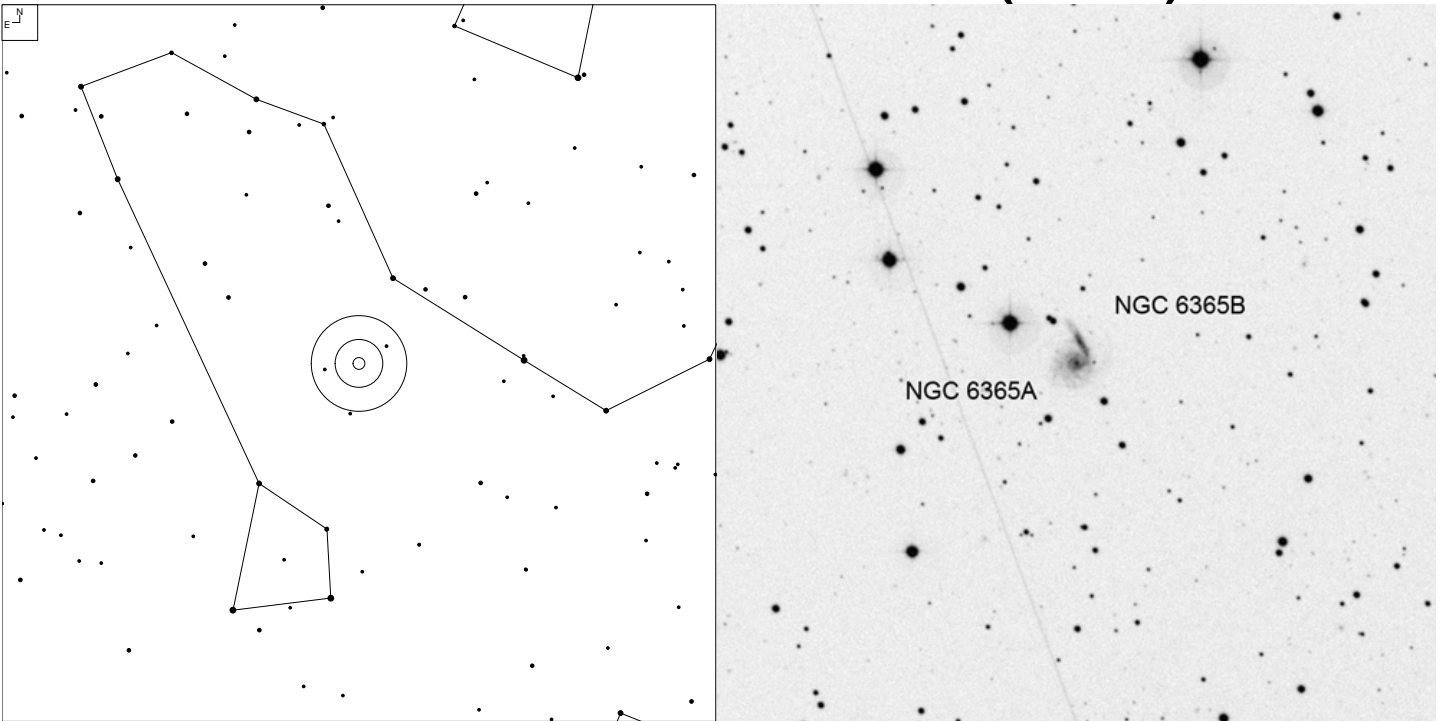


MCG +7-34-64 and MCG +7-34-69 (Hercules)



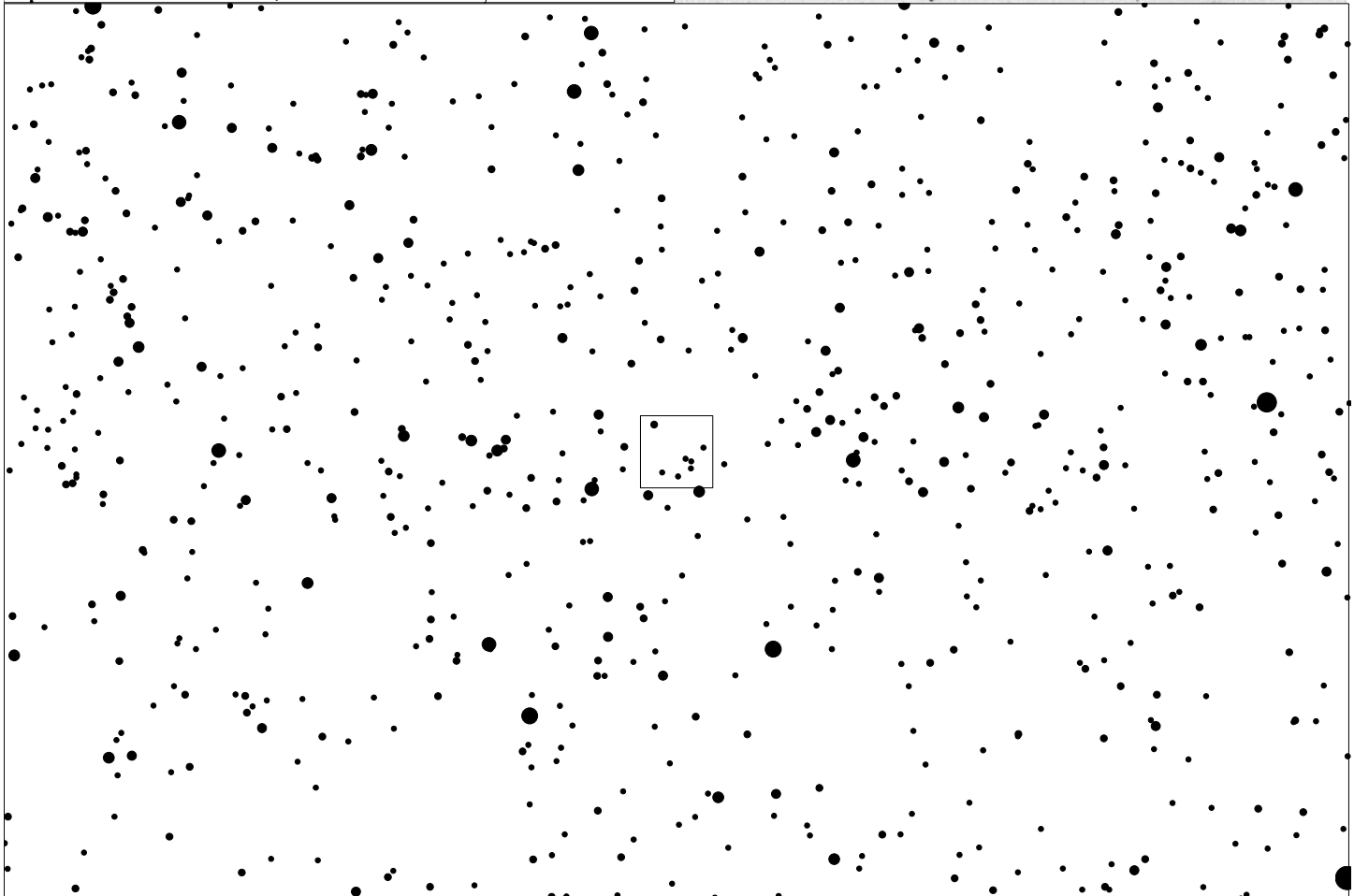
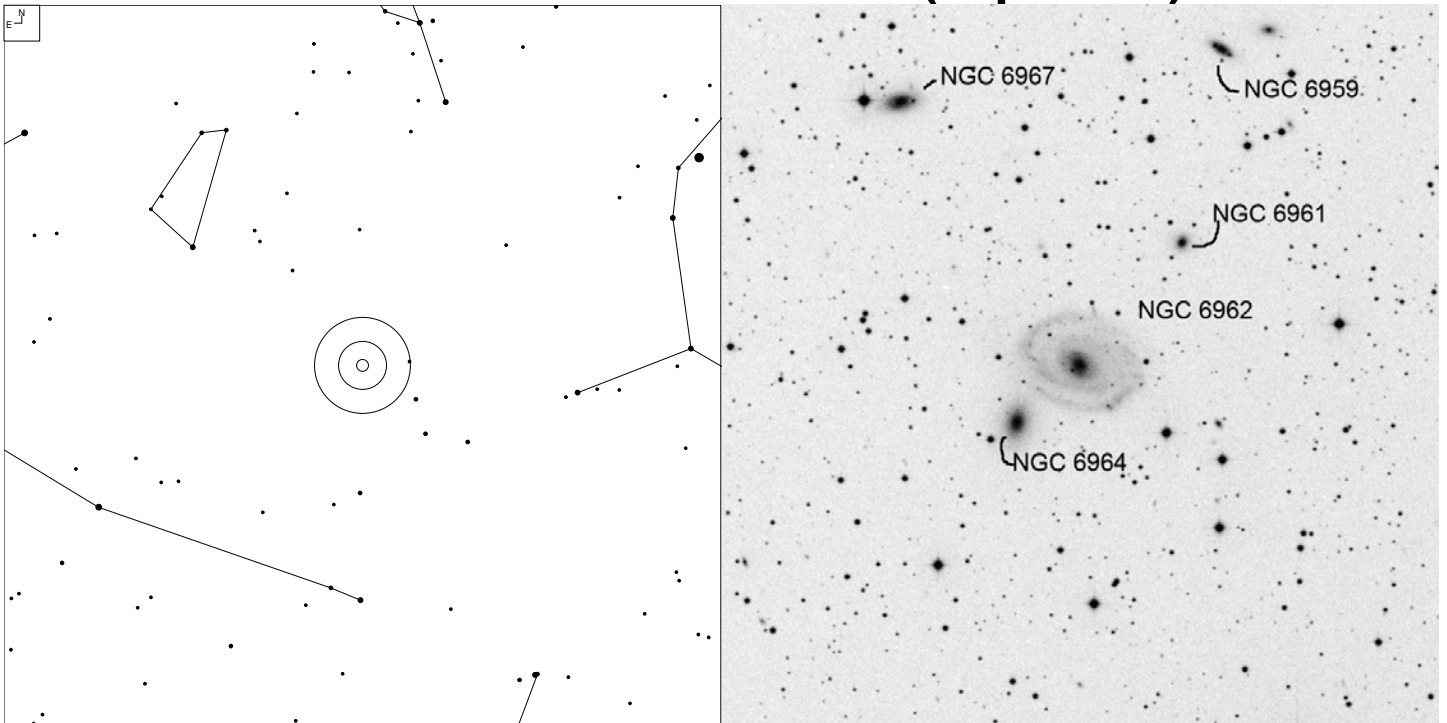
		Galaxy
	6 7 8 9 10 11 12 13	

NGC 6365A and NGC 6365B (Draco)



		Galaxy
	5 6 7 8 9 10 11 12	

NGC 6962 and NGC 6964 (Aquarius)



N
E

 Galaxy