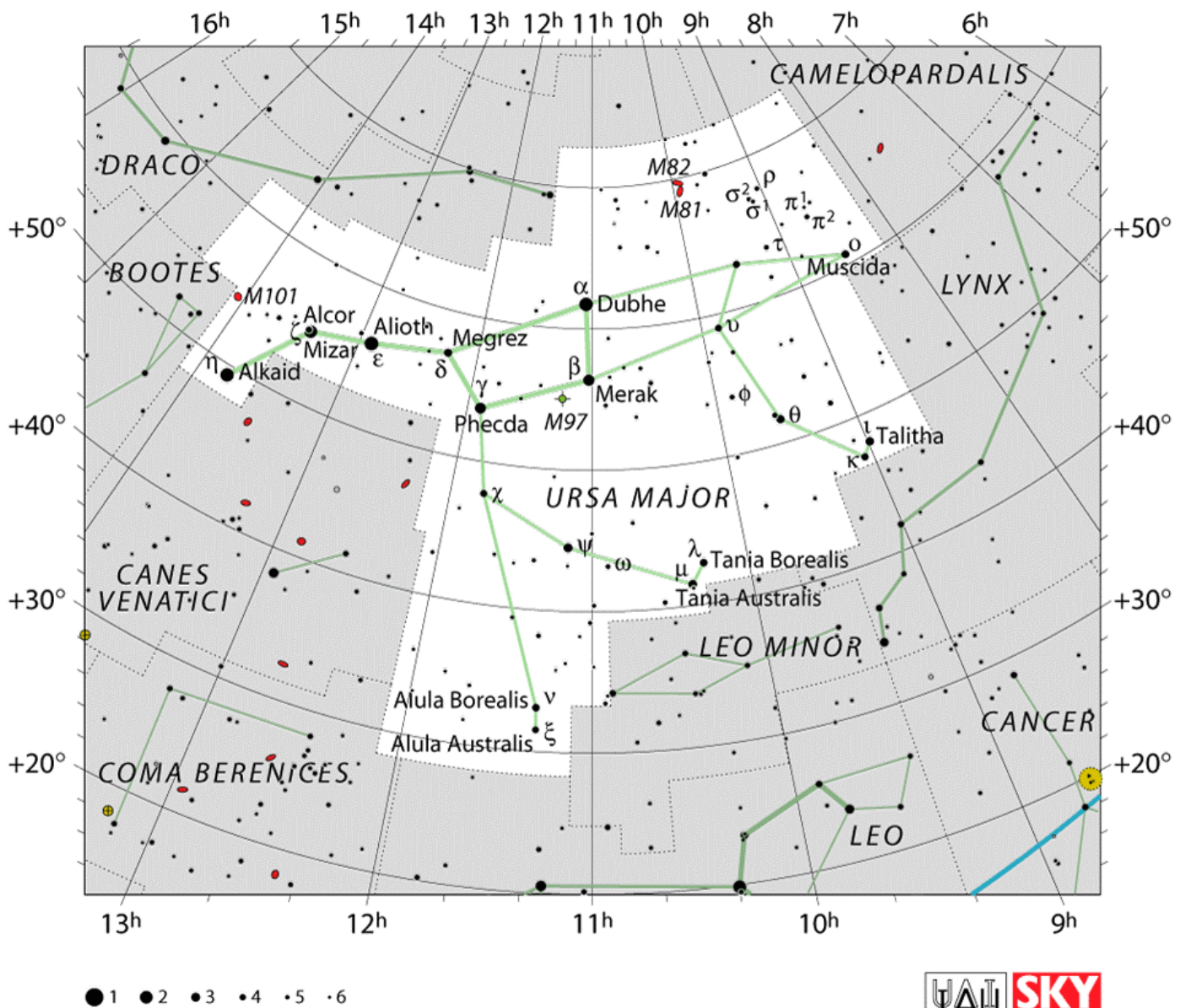


«ΣΤΟΛΙΔΙΑ» ΤΗΣ ΜΕΓΑΛΗΣ ΑΡΚΤΟΥ
ΟΡΑΤΑ ΜΕ ΕΡΑΣΙΤΕΧΝΙΚΟ ΤΗΛΕΣΚΟΠΙΟ

(ΓΑΛΑΞΙΕΣ- ΝΕΦΕΛΩΜΑΤΑ-ΔΙΠΛΑ ΑΣΤΡΑ)
ΦΩΤΟΓΡΑΦΙΕΣ-ΧΑΡΤΕΣ-ΣΥΝΤΕΤΑΓΜΕΝΕΣ

ΜΕΓΑΛΗ ΑΡΚΤΟΣ (URSA MAJOR)

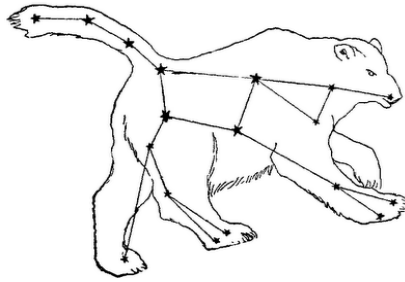


ΠΑΡΑΤΗΡΗΣΙΑΚΗ ΟΜΑΔΑ
ΑΣΤΡΟΝΟΜΙΚΗΣ ΕΤΑΙΡΕΙΑΣ ΚΕΡΚΥΡΑΣ

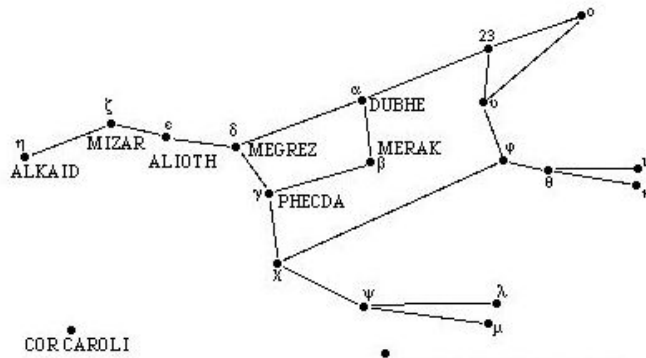
ΠΕΡΙΕΧΟΜΕΝΑ

Βασικά στοιχεία αστερισμού.....	σελ	4
Πληροφορίες καταλόγου.....	σελ	5
Τύποι Γαλαξιών.....	σελ	6
Ιδιαίτερα άστρα –περιοχές	σελ	7
Γαλαξίες.....	σελ	11
Χάρτης αστερισμού.....	σελ	14
Σμήνη-Νεφελώματα	σελ	187
Διπλά αστέρια	σελ	191
Πηγές.....	σελ	195

ΜΕΓΑΛΗ ΑΡΚΤΟΣ



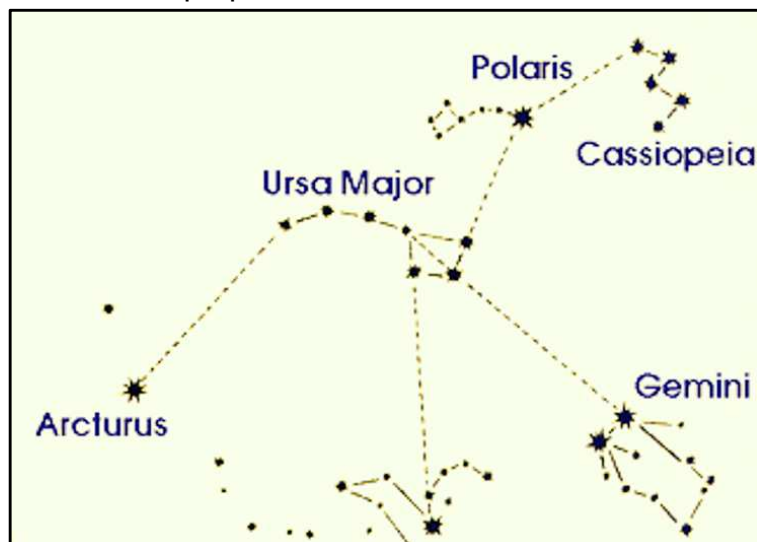
Ο αστερισμός της Μ. Άρκτου είναι ο πιο ευδιάκριτος και ο πιο αναγνωρίσιμος αστερισμός του Βορείου Ημισφαιρίου. Σημειώθηκε πρώτα από τον Πτολεμαίο και είναι ο 3^{ος} σε έκταση αστερισμός. Στο μεγαλύτερό του μέρος είναι αιφανής στην Ελλάδα. Αποτελείται από 138 άστρα 2^{ου}-6^{ου} μεγέθους. Οι αρχαίοι Έλληνες τον ονόμαζαν και «Άμαξα», οι Ρωμαίοι τον ονόμαζαν «Άροτρο», ενώ στον μεσαίωνα τον ονόμαζαν και «Άμαξα του Δαβίδ» ή «Κιβωτό του Νώε». Ο μύθος μιλά για τη Νύμφη Καλλιστώ, που αγαπήθηκε από τον Δία και μεταμορφώθηκε σε αρκούδα από τη ζηλιάρα Ήρα, οπότε ο Δίας την έκανε αστερισμό. Οι βασικοί αστέρες της Μεγάλης Άρκτου απεικονίζονται στην παρακάτω εικόνα.



Η Μ. Άρκτος αποτελεί μέρος ενός ανοικτού σμήνους αστέρων από το οποίο ο β, γ, δ, ε, ζ απομακρύνονται από τον ήλιο, ενώ ο α και ο η τον πλησιάζουν. Η κινούμενη ομάδα ονομάζεται και **Ursa Major Moving Group** ή και **Colinder 285**. Όλη αυτή η φυσική ομάδα αστέρων φτιάχτηκε από το ίδιο νεφέλωμα πριν 500 εκατομμύρια χρόνια και ταξιδεύει προς τον αστερισμό του Τοξότη.

Σ' αυτήν την ομάδα ανήκουν και οι αστέρες α **Corona Borealis**, β **Auriga**, δ **Aquarius**, γ **Lepus** κ.α. Απέχει από το ηλιακό σύστημα γύρω στα 80 έτη φωτός.

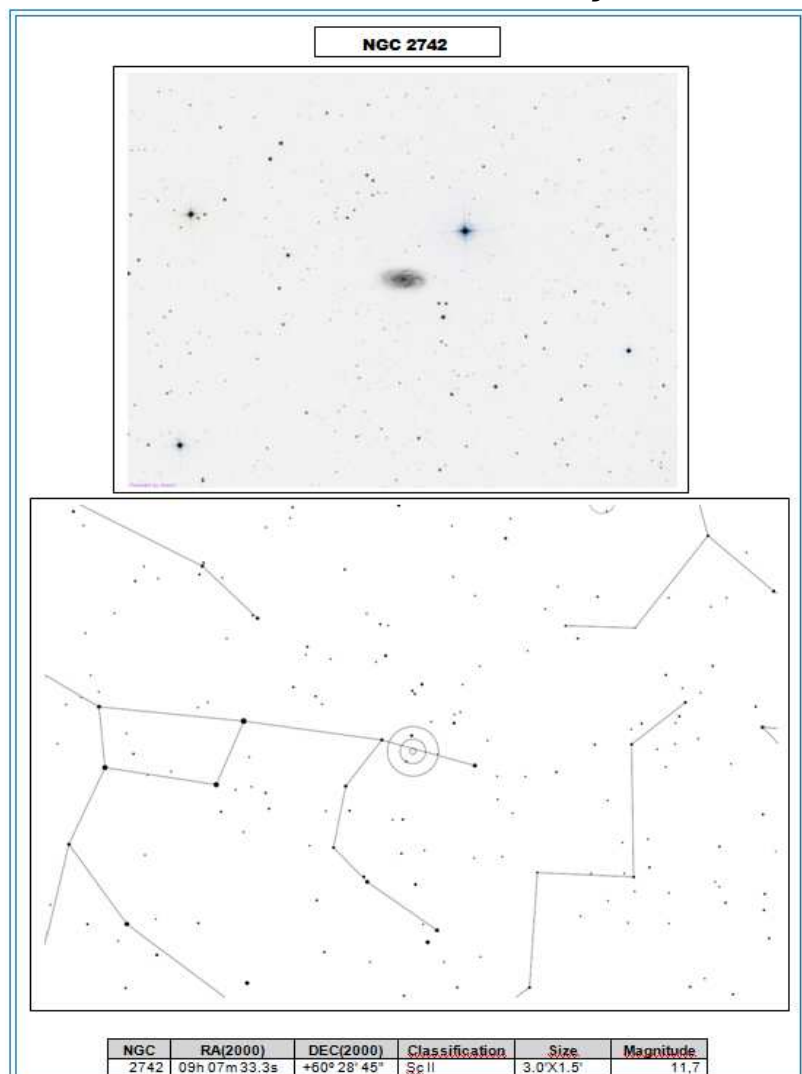
Με αφετηρία τον αστερισμό της Μ. Άρκτου μπορούν να εντοπιστούν εύκολα ο πολικός αστέρας αλλά και γειτονικοί αστερισμοί.



ΠΛΗΡΟΦΟΡΙΕΣ ΓΙΑ ΤΟΝ ΚΑΤΑΛΟΓΟ

Η Παρατηρησιακή Ομάδα της Αστρονομικής Εταιρείας Κέρκυρας αποφάσισε να παρατηρήσει όλους τους ορατούς στόχους του αστερισμού, ώστε να δοθούν όλες οι πληροφορίες, όπως φωτογραφίες, χάρτες, συντεταγμένες και άλλα δεδομένα που θα βοηθήσουν τον ερασιτέχνη αστρονόμο στην αναζήτηση των συγκεκριμένων αντικειμένων. Χρησιμοποιήθηκαν 2 τηλεσκόπια για αυτό το σκοπό, ένα νευτώνειο 10' ιντσών κι ένα καταδιοπτρικό 5' ιντσών. Θεωρήθηκε σωστό ο κατάλογος να περιλαμβάνει αντικείμενα μέχρι 13 mag, που τα περισσότερα είναι ορατά με μεσαία ερασιτεχνικά τηλεσκόπια. Εμπεριέχει και αμυδρότερους γαλαξίες από 13 mag οι οποίοι είναι είτε ακανόνιστοι γαλαξίες (Arp), είτε βρίσκονται πολύ κοντά σε μεγαλύτερους γαλαξίες. Στον κατάλογο δεν συμπεριλήφθηκαν γαλαξίες με γωνιακή διάμετρο μικρότερη από 1' λεπτό της μοίρας. Οι γαλαξίες ταξινομήθηκαν με αύξουσα σειρά ως προς την ορθή αναφορά τους (R.A.).

Η κάθε σελίδα αποτελείται από δύο εικόνες



Η πρώτη ανταποκρίνεται στην εικόνα του γαλαξία μέσα από το προσοφθάλμιο. Το πεδίο είναι είτε 1° X 50' αν πρόκειται για φωτεινό γαλαξία, είτε 32' X 25' αν πρόκειται για αμυδρό γαλαξία.

Για τις φωτογραφίες χρησιμοποιήθηκε το πρόγραμμα Aladin.

Η δεύτερη εικόνα ανταποκρίνεται στην εικόνα που έχουμε μέσα από τον ερευνητή μηδενικής μεγέθυνσης. Το πεδίο είναι είτε 60°, είτε 40°. Οι χάρτες φτιάχτηκαν με το πρόγραμμα Cartes du Ciel.

Στο κάτω μέρος της σελίδας δίνονται πληροφορίες σχετικά με το όνομα (NGC, UGC, IC), την ορθή αναφορά (RA), την απόκλιση (DEC), τον τύπο (Classification), τις διαστάσεις (Size) και το μέγεθος του (Magnitude)

Επίσης ο κατάλογος περιέχει στοιχεία και συντεταγμένες διπλών άστρων με πληροφορίες όπως το όνομα του αστέρα (name), την ορθή αναφορά (R.A), την απόκλιση (DEC), τα μεγέθη του ζεύγους (mag1-mag2), το διαχωρισμό (Sep), τη γωνία θέσης του συνοδού (P.A) και την υποκειμενική χρωματική απόδοση του διπλού αστέρα (COLOR). Αν πρόκειται για πολλαπλό αστέρα αναγράφονται τα στοιχεία των δύο πιο φωτεινών αστέρων του συστήματος.

Name	R.A.	Dec	Mag.1	Mag.2	Sep.	P.A.	COLOR
STT 231	11h11m05s	+30°27'	8,5	9,1	211	322	κίτρινο-πορτοκαλί

Για τη συνολική εικόνα του αστερισμού χρησιμοποιήθηκε ο δωρεάν χάρτης Torres Triatlas A set

ΤΥΠΟΙ ΓΑΛΑΞΙΩΝ

Ο αστερισμός της Μ. Άρκτου βρίσκεται μακριά απ' τη σπείρα του γαλαξία κι έτσι δεν παρεμβάλλεται γαλαξιακή – μεσοαστρική ύλη. Αυτό έχει σαν αποτέλεσμα να είναι ορατοί πάρα πολλοί γαλαξίες, αλλά υπάρχουν μόνο δύο ανοικτά σμήνη (NGC 3231, Iatysen 2) ,ένα σφαιρωτό σμήνος (Palomar 4) και δύο πλανητικά νεφελώματα (M 97 , Abel 28). Πολύ αμυδρούς στόχους αποτελούν και τα γαλαξιακά σμήνη όπως Hickson 41 , Hickson 45 , Hickson 49 , Hickson 50 , Hickson 56 , Hickson 60 , Hickson 66.

Η ταξινόμηση των γαλαξιών είναι η εξής:

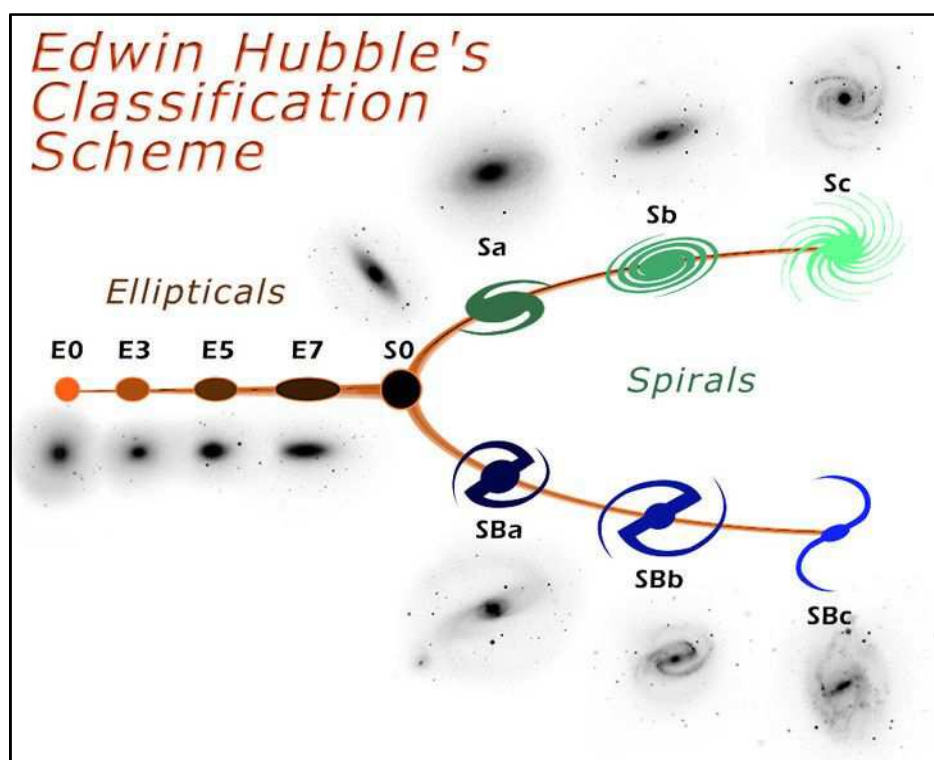
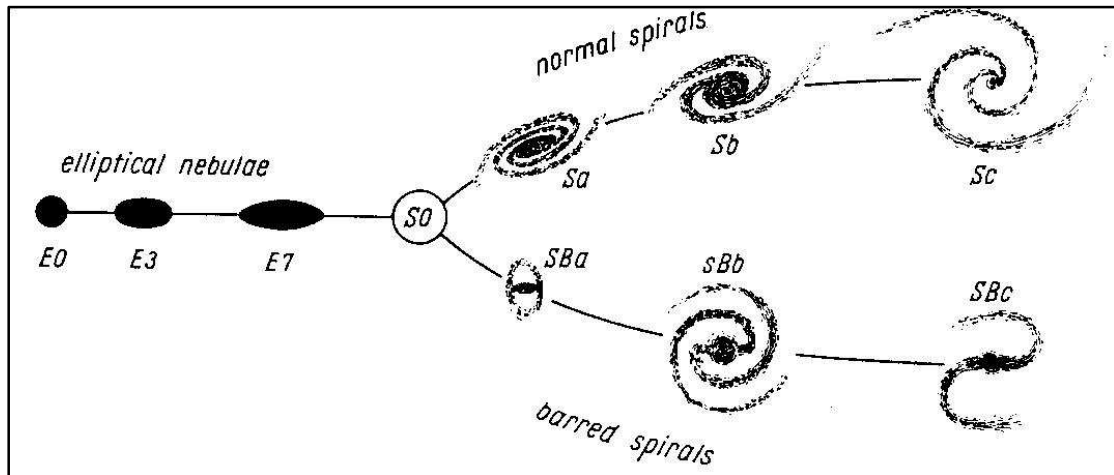
ΕΛΛΙΠΤΙΚΟΙ: *E0* , *E1* , *E2* , *E3* , *E4* , *E5* , *E6* , *E7*

Φακοειδείς: *S0*

Σπειροειδείς: *Sa* , *Sb* , *Sc*

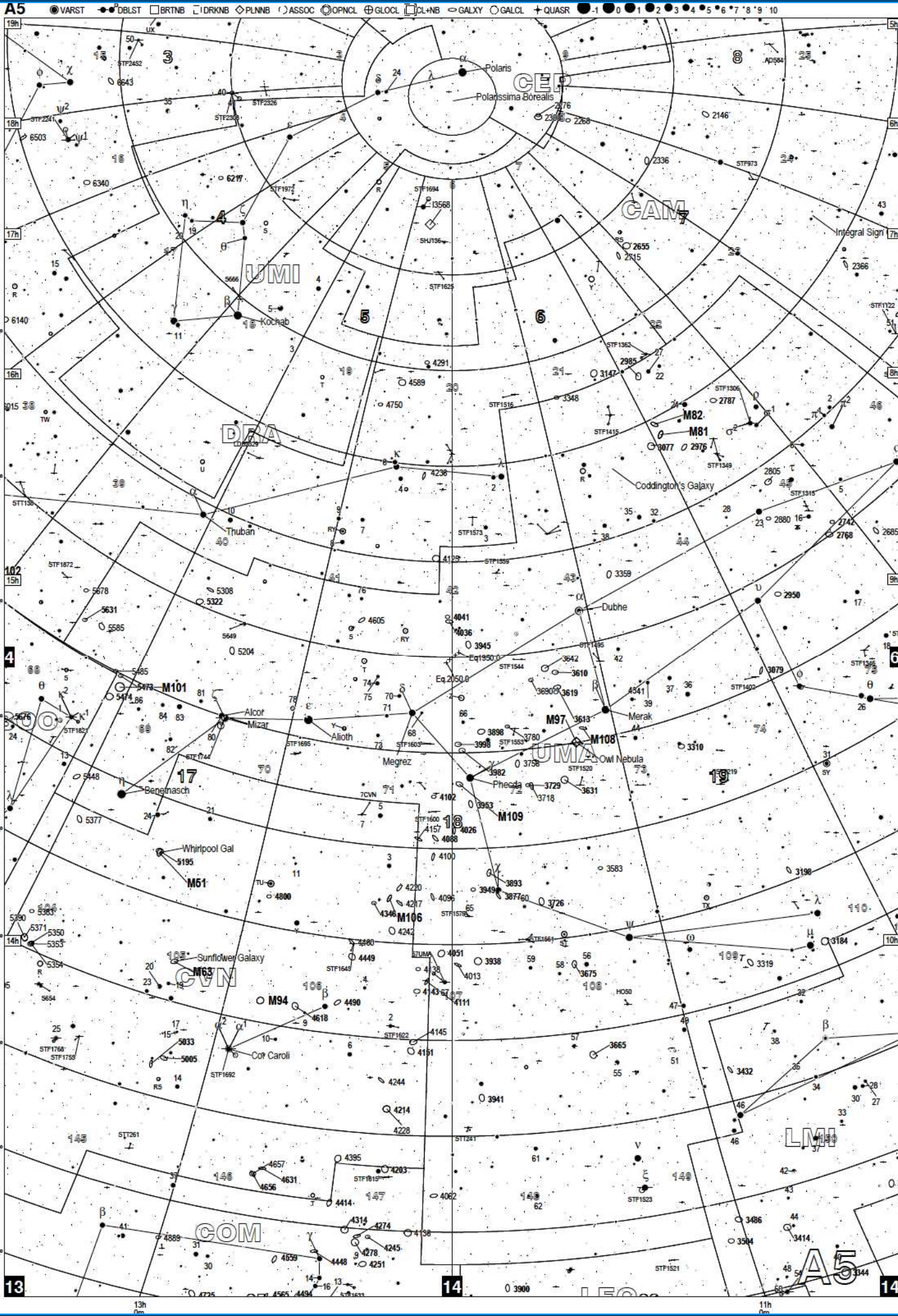
Σπειροειδείς με βραχίονα: *SBa* , *SBb* , *SBc*

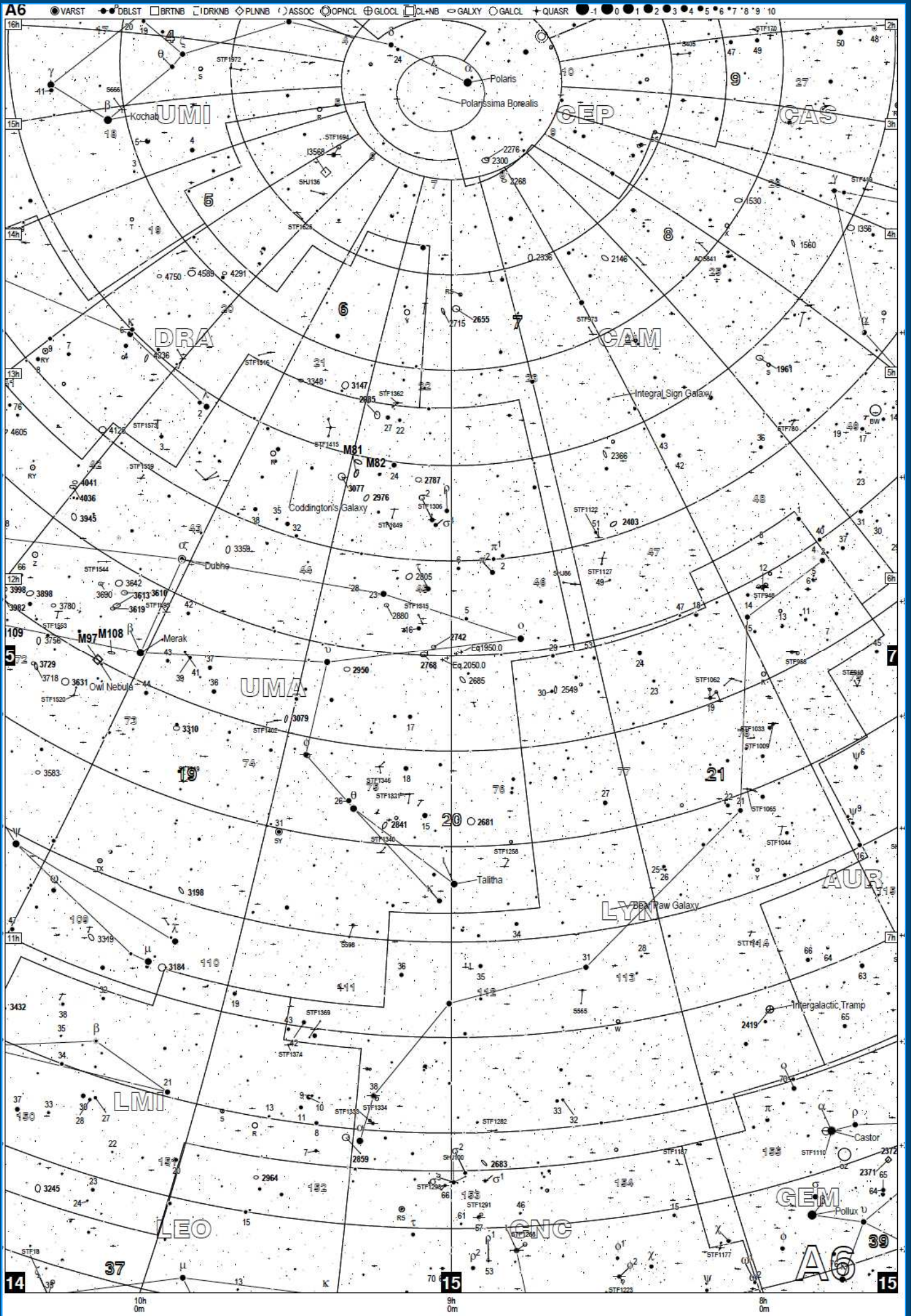
Ακανόνιστοι: *Irr*



ΑΣΤΡΑ-ΠΕΡΙΟΧΕΣ ΜΕ ΙΔΙΑΙΤΕΡΟ ΕΝΔΙΑΦΕΡΟΝ

NAME	R.A	DEC	MAG	INFORMATION
Mizar-Alcor	13 h 23 m 55 s	+54 ° 55 '31 "	2.3 - 4	Το γνωστό οπτικά διπλό άστρο ορατό με γυμνό οφθαλμό.
Hubble Deep Field	12 ^h 36 ^m 49	+62 ° 12 '58 "		Η πρώτη εικόνα βαθέως πεδίου του Hubble .
47 Uma	10 ^h 59 ^m 27	+40° 25' 49"	5	Ανακαλύφθηκαν πρόσφατα 3 εξωπλανήτες γύρω του σαν το Δία
W Uma	09 ^h 43 ^m 45	+55 ^h 57 ^m 09	7.9	Δύο αστέρια τόσο κοντά μεταξύ τους ώστε οι επιφάνειές τους βρίσκονται σε σχεδόν σε άμεση επαφή.
Lalande 21185	11 ^h 03 ^m 20	+35 ° 58 '11	7.5	Το 4ο κοντινότερο αστέρι στον ήλιο στα 8,3 ε.φ
VY Uma	10h 45' 4"	+67° 24' 40"	6	Αστέρι άνθρακα
Groombridge 1830	11 ^h 52 ^m 58	+37 ° 43 '07	6.5	Δεν κινείται όπως τα άλλα αστέρια του γαλαξία γιατί βρίσκεται στη γαλαξιακή άλω.
Markarian 421	11 ^h 04 ^m 27	+38 ° 12 '31	11.5-13.5	Το πιο φωτεινό Blazar (ενεργός γαλαξίας) του ουρανού με μεταβλητή λαμπρότητα
G 196-3	10 h 04 m 2	+50 '37	13	Νεαρό διπλό σύστημα ερυθρού και φαιού νάνου.
Messier 40	12 ^h 22 ^m 12.5 ^s	+58° 04' 59"	9.65 10.1	Οπτικά διπλό αστέρι το οποίο είναι μία απλή ευθυγράμμιση δύο άστρων.





GALAXIES

GALAXIES INDEX

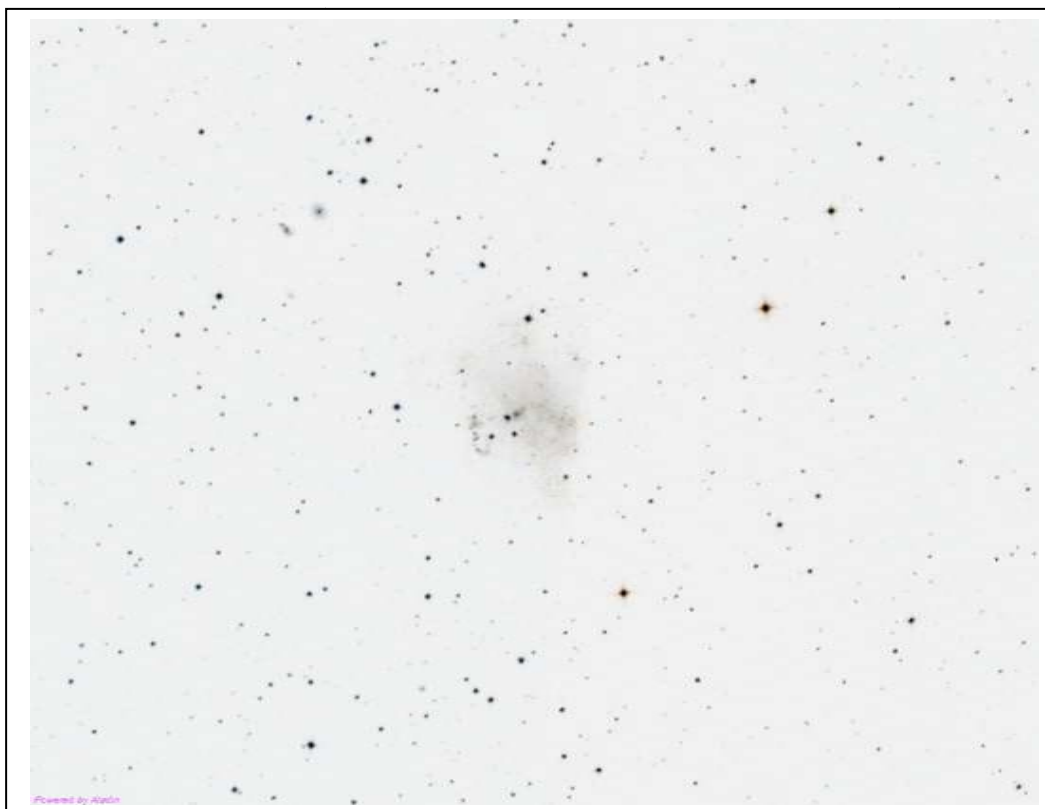
PAGE	NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
16	UGC4305	8h 19m 11s	70° 43' 00"	Ir+	7.6' x 6.2'	11,1
17	2639	08h 43m 37.9s	+50° 12' 20"	Sa?	1.8'X1.1'	11,9
18	2629	08h 47m 15.8s	+72° 59' 07"	E	2.3'X1.8'	11,9
19	2654	08h 49m 11.9s	+60° 13' 15"	Sa-b II	4.3'X0.8'	12
20	2681	08h 53m 32.8s	+51° 18' 49"	Sa	3.6'X3.3'	10,1
21	2685	08h 55m 34.6s	+58° 44' 02"	Sb pec II	4.5'X2.3'	10,9
22	2693	08h 56m 59.3s	+51° 20' 49"	E3 pec	2.6'X1.8'	11,7
23	2701	08h 59m 05.4s	+53° 46' 14"	Sc II	2.2'X1.6'	12
24	2726	09h 04m 56.8s	+59° 55' 57"	Sa?	1.6'X0.5'	12,7
25	2742	09h 07m 33.3s	+60° 28' 45"	Sc II	3.0'X1.5'	11,7
26	2756	09h 09m 00.9s	+53° 50' 57"	Sb	1.7'X1.1'	12,6
27	2769	09h 10m 32.1s	+50° 26' 00"	Sa	1.7'X0.4'	13,2
27	2771	09h 10m 39.7s	+50° 22' 47"	SBa	2.2'X1.9'	12,9
28	2768	09h 11m 37.5s	+60° 02' 14"	E-S0	8.1'X4.3'	10,1
29	2800	09h 18m 35.2s	+52° 30' 52"	E	1.4'X0.9'	12,9
30	2787	09h 19m 18.5s	+69° 12' 11"	SB0	3.2'X2.0'	10,9
31	2805	09h 20m 20.4s	+64° 06' 09"	Sc	6.3'X4.8'	11
31	2820	09h 21m 49.9s	+64° 15' 41"	SBc pec	4.3'X0.7'	12,7
32	2841	09h 22m 02.3s	+50° 58' 44"	Sb I	8.1'X3.5'	9,5
33	2810	09h 22m 04.5s	+71° 50' 38"	E	1.7'X1.7'	12,3
34	2854	09h 24m 03.1s	+49° 12' 15"	SBb	1.7'X0.6'	13,2
34	2856	09h 24m 16.0s	+49° 14' 56"	S	1.1'X0.5'	13,2
35	2857	09h 24m 37.8s	+49° 21' 25"	Sc	2.2'X2.0'	13,3
36	2880	09h 29m 34.5s	+62° 29' 26"	SB0	2.0'X1.2'	11,7
37	2950	09h 42m 35.1s	+58° 51' 04"	SB0	3.2'X2.1'	11
38	2959	09h 45m 09.2s	+68° 35' 40"	Sa	1.3'X1.3'	13
39	2976	09h 47m 15.3s	+67° 54' 59"	Sc pec	5.9'X2.7'	10,6
40	2998	09h 48m 43.6s	+44° 04' 51"	Sc II	2.9'X1.3'	12,4
41	IC 2574	10h 28m 24.0s	+68° 25' 00"	Sab	10.8'X5.3'	10,8
42	2985	09h 50m 21.8s	+72° 16' 47"	Sb I	4.6'X3.6'	10,5
43	3031	09h 55m 32.9s	+69° 03' 55"	Sb I-II	26.9'X14.1'	7,3
42	3027	09h 55m 40.4s	+72° 12' 13"	SBc III	4.3'X2.0'	11,7
43	3034	09h 55m 50.7s	+69° 40' 43"	Irr	11'X4.6'	8,9
44	3043	09h 56m 14.6s	+59° 18' 24"	Sb	1.7'X0.6'	12,8
46	3073	10h 00m 52.1s	+55° 37' 06"	S0	1.3'X1.2'	12,8
45	3065	10h 01m 55.3s	+72° 10' 13"	S0	2.0'X1.9'	11,9
46	3079	10h 01m 57.3s	+55° 40' 54"	Sb II	7.9'X1.4'	10,8
45	3066	10h 02m 11.0s	+72° 07' 31"	SBb/P	1.1'X1.0'	12,5
47	3077	10h 03m 20.4s	+68° 44' 02"	Irr II	5.4'X4.5'	10,5
48	3184	10h 18m 17.0s	+41° 25' 27"	Sc II	7.4'X6.9'	9,9
49	3182	10h 19m 33.0s	+58° 12' 21"	S0-a	1.8'X1.5'	12,3
50	3198	10h 19m 54.9s	+45° 33' 00"	Sc II	8.5'X3.3'	10,2
51	3206	10h 21m 47.8s	+56° 55' 48"	SBc	3.0'X1.9'	12,1
52	3225	10h 25m 09.9s	+58° 08' 59"	Sc	2.0'X1.0'	12,8
53	3264	10h 32m 19.7s	+56° 05' 06"	SBc/Irr	2.9'X1.2'	13,4
54	3259	10h 32m 34.8s	+65° 02' 28"	Sb	2.2'X1.2'	12,3
55	3266	10h 33m 17.5s	+64° 44' 57"	SB0	1.5'X1.3'	12,5
56	3310	10h 38m 45.9s	+53° 30' 10"	S[b]	3.1'X2.4'	10,4
57	3319	10h 39m 09.4s	+41° 41' 14"	SBc II	6.2'X3.4'	11,1
58	3320	10h 39m 36.5s	+47° 23' 52"	Sc III-IV	2.2'X1.0'	12,5
59	3353	10h 45m 22.3s	+55° 57' 37"	Sc?	1.3'X1.0'	12,5
60	3359	10h 46m 36.7s	+63° 13' 26"	SBc II	6.8'X4.3'	10,5
61	3348	10h 47m 10.1s	+72° 50' 23"	E	2.0'X2.0'	11,1
62	3394	10h 50m 39.9s	+65° 43' 37"	Sc	1.9'X1.4'	12,6
63	3415	10h 51m 42.7s	+43° 42' 44"	S0-a	2.1'X1.3'	12,2

PAGE	NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
64	3445	10h 54m 35.7s	+56° 59' 25"	Sc	1.6'X1.5'	12,5
65	3448	10h 54m 39.0s	+54° 18' 18"	Pec	5.6'X1.8'	11,7
66	3458	10h 56m 01.5s	+57° 07' 01"	S0	1.4'X0.9'	12,3
67	3471	10h 59m 09.1s	+61° 31' 51"	Sa	1.7'X0.8'	12,5
68	3478	10h 59m 27.3s	+46° 07' 20"	SBb I-II	2.6'X1.2'	12,6
69	3516	11h 06m 47.5s	+72° 34' 06"	SB0	1.7'X1.3'	11,4
70	3549	11h 10m 56.7s	+53° 23' 16"	Sc II-III	3.2'X1.2'	12,2
71	3556	11h 11m 31.2s	+55° 40' 24"	Sc	8.7'X2.2'	10,2
72	3577	11h 13m 44.9s	+48° 16' 21"	SBb	1.4'X1.4'	13,6
72	3583	11h 14m 10.7s	+48° 19' 06"	SBb II	2.8'X1.8'	11,3
73	3595	11h 15m 25.5s	+47° 26' 49"	E-S0	1.6'X0.7'	12,1
74	3600	11h 15m 52.0s	+41° 35' 27"	Sa?	4.1'X0.9'	11,9
75	3614	11h 18m 21.3s	+45° 44' 52"	Sc II	4.6'X2.6'	11,8
76	3610	11h 18m 25.3s	+58° 47' 10"	S0	2.7'X2.3'	10,5
77	3613	11h 18m 36.1s	+57° 59' 59"	E-S0	3.9'X1.9'	10,7
77	3619	11h 19m 21.6s	+57° 45' 29"	S0/Sa	2.7'X2.3'	11,5
78	3631	11h 21m 02.9s	+53° 10' 09"	Sc I	5.0'X4.8'	10,6
79	3642	11h 22m 18.0s	+59° 04' 27"	Sb/Sc I	5.4'X4.5'	10,9
80	3648	11h 22m 31.5s	+39° 52' 36"	S0	1.3'X0.8'	12,7
81	3652	11h 22m 39.0s	+37° 45' 53"	S[Bc]	2.0'X0.7'	12,4
82	3656	11h 23m 38.5s	+53° 50' 31"	E?	1.6'X1.6'	12,9
83	3657	11h 23m 55.6s	+52° 55' 15"	SBc/P	1.0' X 0.8'	12,6
84	3658	11h 23m 58.2s	+38° 33' 44"	E-S0	1.6'X1.5'	12,3
85	3654	11h 24m 10.9s	+69° 24' 47"	S...	1.2'X0.6'	12,7
84	3665	11h 24m 43.7s	+38° 45' 47"	E-S0	2.5'X2.0'	10,8
86	3669	11h 25m 26.6s	+57° 43' 16"	SBcd Irr:	2.2'X0.5'	12,6
87	3668	11h 25m 30.3s	+63° 26' 46"	Sb/Sc	2.1'X1.3'	12,5
88	3675	11h 26m 07.9s	+43° 35' 10"	Sb II	5.9'X3.1'	10,2
89	3677	11h 26m 17.7s	+46° 58' 26"	Sa:	1.9'X1.7'	12,5
90	3674	11h 26m 26.5s	+57° 02' 54"	S0	1.9'X0.6'	12,3
91	3683	11h 27m 31.9s	+56° 52' 37"	SBc	1.9'X0.7'	12,7
92	3687	11h 28m 00.5s	+29° 30' 39"	Sb II-II	2.0'X2.0'	12,2
93	3690	11h 28m 31.9s	+58° 33' 45"	IBm Pec	2.4'X1.9'	11,6
94	3718	11h 32m 35.0s	+53° 04' 06"	S0/SBa	8.1'X4.0'	10,6
95	3726	11h 33m 21.3s	+47° 01' 44"	Sc I-II	6.2'X4.3'	10,5
94	3729	11h 33m 49.3s	+53° 07' 32"	SB...	2.8'X1.9'	11,6
96	3733	11h 35m 01.8s	+54° 51' 02"	Sc	4.8'X2.2'	12,3
96	3737	11h 35m 36.3s	+54° 56' 55"	SB0	1.0'X1.0'	13
98	3738	11h 35m 48.5s	+54° 31' 27"	Im	2.5'X1.9'	11,4
97	3755	11h 36m 33.3s	+36° 24' 38"	Sc	3.2'X1.4'	13
98	3756	11h 36m 48.1s	+54° 17' 39"	Sc II	4.2'X2.1'	11,4
99	3757	11h 37m 02.9s	+58° 24' 55"	S0	1.1'X1.1'	12,7
100	3762	11h 37m 23.9s	+61° 45' 32"	Sa	1.9'X0.5'	12,8
101	3769	11h 37m 44.1s	+47° 53' 34"	Sb:	3.1'X1.0'	11,7
102	3782	11h 39m 20.8s	+46° 30' 48"	Irr? (SBcd)	1.7'X1.1'	12,6
103	3780	11h 39m 22.3s	+56° 16' 14"	Sc II	3.1'X2.6'	11,7
104	3786	11h 39m 42.3s	+31° 54' 32"	Sa	2.2'X1.3'	12,5
104	3788	11h 39m 44.7s	+31° 55' 50"	S0	2.1'X0.7'	12,8
105	3796	11h 40m 31.0s	+60° 17' 55"	S...	1.3'X0.9'	12,6
103	3804	11h 40m 54.1s	+56° 12' 05"	Sc	2.2'X1.4'	13
103	3794	11h 40m 54.1s	+56° 12' 05"	Sc	2.4'X1.7'	12,9
106	3809	11h 41m 16.1s	+59° 53' 09"	S0	1.0'X0.8'	12,8
107	3811	11h 41m 16.8s	+47° 41' 28"	SBc	2.2'X1.7'	12,4
108	3813	11h 41m 18.7s	+36° 32' 47"	S...	2.2'X1.1'	12,1
109	3835	11h 44m 04.8s	+60° 07' 11"	Sab:sp	1.9'X0.8'	12,6
110	3838	11h 44m 13.7s	+57° 56' 54"	S0?	1.5'X0.6'	12,3

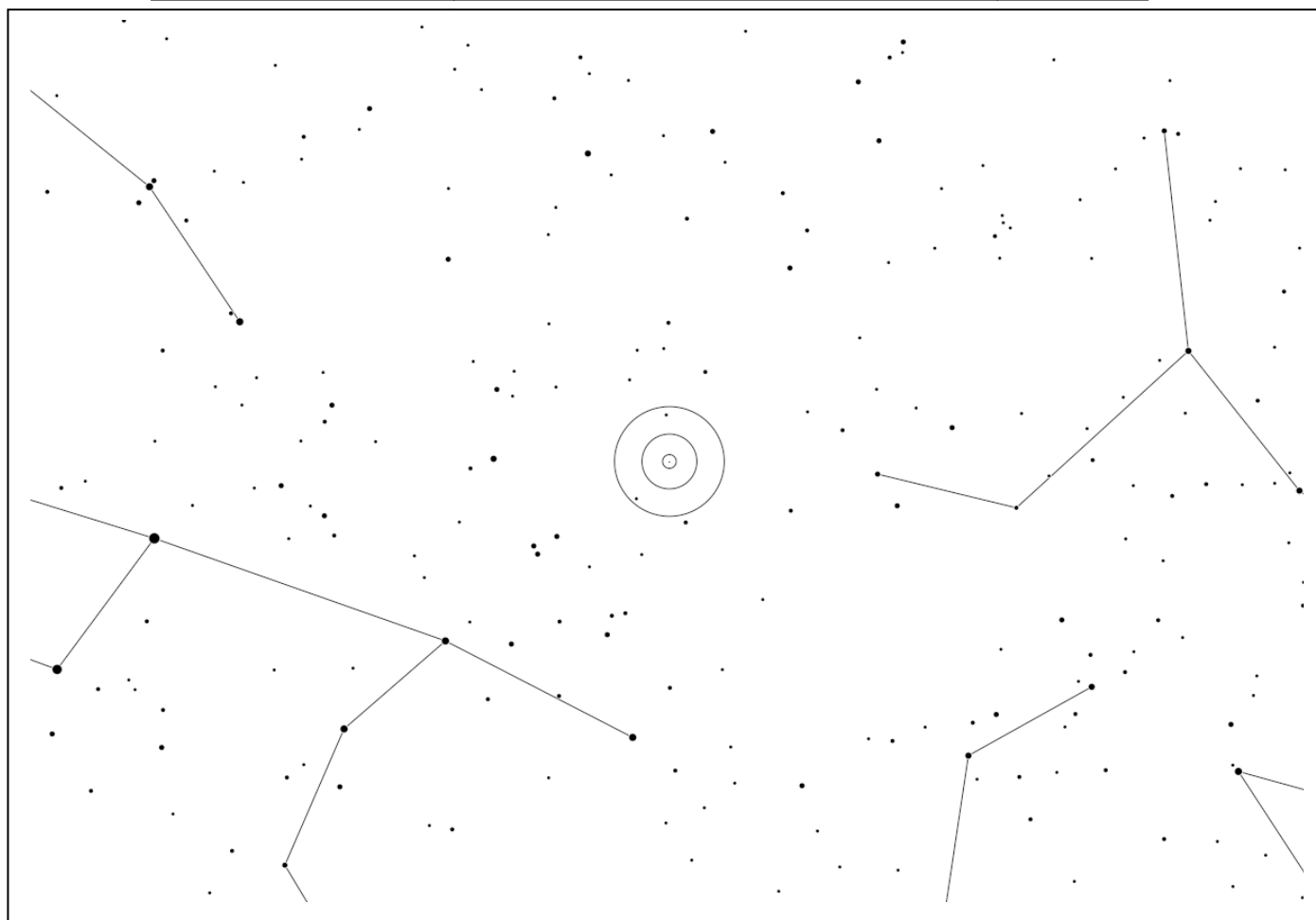
PAGE	NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
111	3870	11h 45m 56.5s	+50° 11' 59"	S0?	1.0'X0.9'	12,5
112	3877	11h 46m 07.7s	+47° 29' 41"	Sc	5.5'X1.3'	11,3
113	3888	11h 47m 34.4s	+55° 58' 01"	Sc II-III	1.7'X1.3'	12,3
114	3891	11h 48m 03.4s	+30° 21' 33"	Sb/Sc	2.0'X1.7'	12,6
116	3893	11h 48m 38.1s	+48° 42' 38"	Sc I	4.5'X2.8'	10,4
115	3894	11h 48m 50.3s	+59° 24' 55"	S0	2.0'X1.4'	11,8
116	3896	11h 48m 56.4s	+48° 40' 28"	SB0-a	1.4'X1.0'	13,1
115	3895	11h 49m 04.0s	+59° 25' 56"	SBa	1.3'X1.0'	13,3
117	3898	11h 49m 15.1s	+56° 05' 04"	Sa II	4.4'X2.6'	11
118	3906	11h 49m 40.2s	+48° 25' 35"	SB...	1.9'X1.7'	13,3
119	3913	11h 50m 38.9s	+55° 21' 12"	Sc	2.6'X2.6'	13,1
120	3917	11h 50m 45.3s	+51° 49' 28"	Sc	5.1'X1.3'	11,9
121	3916	11h 50m 51.0s	+55° 08' 35"	Sb	1.6'X0.4'	14,1
121	3921	11h 51m 06.8s	+55° 04' 42"	...	2.1'X1.3'	12,5
122	3922	11h 51m 13.3s	+50° 09' 25"	S0-a	1.7'X0.8'	13
123	3930	11h 51m 45.9s	+38° 00' 54"	Sc/SBc	3.2'X2.4'	12,6
124	3928	11h 51m 47.5s	+48° 40' 59"	E	1.5'X1.5'	12,4
125	3938	11h 52m 49.3s	+44° 07' 13"	Sc I	5.4'X4.9'	10,4
126	3941	11h 52m 55.3s	+36° 59' 10"	S0	3.5'X2.3'	10,4
127	3945	11h 53m 13.5s	+60° 40' 31"	SB0	5.5'X3.6'	10,5
128	3949	11h 53m 41.7s	+47° 51' 30"	S...	2.9'X1.7'	10,9
129	3953	11h 53m 48.9s	+52° 19' 35"	SBb I	6.9'X3.5'	10,2
130	3958	11h 54m 33.7s	+58° 22' 00"	Sa	1.5'X0.7'	12,7
130	3963	11h 54m 58.6s	+58° 29' 36"	SBb I-II	2.8'X2.5'	11,6
131	3971	11h 55m 36.4s	+29° 59' 44"	S0	1.4'X1.2'	12,8
132	3972	11h 55m 45.2s	+55° 19' 12"	Sc	3.9'X1.1'	12,2
132	3977	11h 56m 07.2s	+55° 23' 25"	Sa	1.7'X1.6'	13,6
133	3978	11h 56m 10.3s	+60° 31' 20"	Sb	1.6'X1.5'	12,6
134	3982	11h 56m 28.0s	+55° 07' 29"	SBb	2.3'X2.0'	11,2
135	3985	11h 56m 42.1s	+48° 20' 02"	S...	1.3'X0.8'	12,8
136	3991	11h 57m 30.8s	+32° 20' 13"	Irr	1.4'X0.4'	13,6
137	3990	11h 57m 35.7s	+55° 27' 30"	S0?	1.4'X0.8'	12,7
138	3992	11h 57m 36.0s	+53° 22' 28"	SBb I	7.6'X4.7'	9,9
136	3994	11h 57m 36.9s	+32° 16' 38"	S?...	1.0'X0.6'	13,4
136	3995	11h 57m 44.1s	+32° 17' 39"	S...	2.8'X1.0'	12,4
137	3998	11h 57m 56.1s	+55° 27' 12"	S0	2.7'X2.2'	10,5
141	4013	11h 58m 31.1s	+43° 56' 51"	Sb	5.2'X1.0'	11,7
142	4010	11h 58m 37.5s	+47° 15' 39"	Sc-Irr	4.3'X0.8'	12,5
143	4020	11h 58m 56.5s	+30° 24' 42"	SBcd	2.1'X0.9'	12,8
144	4026	11h 59m 25.1s	+50° 57' 42"	S0	5.2'X1.3'	10,7
139	UGC6930	11h 57m 17s	49° 16' 00"	S(B)d	4.4' x 2.8'	12,1
140	IC 749	11h 58m 36s	42° 43' 59"	SBc Ring	2.3' x 2'	12,4
140	IC750	11h 58m 54s	42° 43' 00"	Sab	2.6' x 1,2'	11,8
145	4036	12h 01m 26.7s	+61° 53' 44"	S0-	4.3'X1.7'	10,6
145	4041	12h 02m 12.1s	+62° 08' 14"	SA(rs)bc: II	2.7'X2.5'	11,1
146	4047	12h 02m 50.7s	+48° 38' 11"	Sb-c	1.6'X1.3'	12,4
147	4051	12h 03m 09.6s	+44° 31' 53"	SAB(rs)bc II	5.2'X3.9'	10,7
148	4068	12h 04m 00.8s	+52° 35' 17"	Irr	3.2'X1.8'	12,6
149	4062	12h 04m 03.7s	+31° 53' 44"	SA(s)c II-III	4.1'X1.7'	11,3
150	4085	12h 05m 22.7s	+50° 21' 11"	SAB(s)c: ? III	2.8'X0.8'	12,4
150	4088	12h 05m 34.1s	+50° 32' 23"	SAB(rs)bc II	5.8'X2.2'	11,1
151	4096	12h 06m 01.0s	+47° 28' 41"	SAB(rs)c III	6.6'X1.8'	11,1
152	4100	12h 06m 08.3s	+49° 34' 58"	(R')SA(rs)bc	5.4'X1.8'	11
153	4102	12h 06m 22.9s	+52° 42' 40"	Sb	3.0'X1.7'	11,3
154	4144	12h 09m 59.3s	+46° 27' 27"	SAB(s)cdsp III	6.0'X1.3'	11,6
155	4157	12h 11m 05.0s	+50° 29' 08"	SAB(s)b?sp II	6.8'X1.3'	11,1

PAGE	NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
156	4194	12h 14m 09.6s	+54° 31' 35"	IBmP	1.8'X1.1'	12,7
157	4271	12h 19m 32.6s	+56° 44' 11"	E-S0	1.5'X1.3'	12,7
158	4284	12h 20m 12.6s	+58° 05' 34"	Sb-c	2.5'X1.2'	13,7
158	4290	12h 20m 47.5s	+58° 05' 33"	SB(rs)ab: II	2.3'X1.6'	12
159	4335	12h 23m 01.9s	+58° 26' 40"	E	1.9'X1.5'	12,5
160	4384	12h 25m 11.9s	+54° 30' 22"	Sa/P	1.3'X1.0'	12,8
161	4500	12h 31m 22.1s	+57° 57' 52"	SBa	1.6'X1.0'	12,6
162	4605	12h 40m 00.0s	+61° 36' 28"	SBc/P	5.5'X2.3'	10,4
163	4686	12h 46m 39.7s	+54° 32' 02"	Sa	2.0'X0.6'	13
164	4814	12h 55m 21.9s	+58° 20' 38"	Sb II	3.1'X2.3'	11,6
165	5109	13h 20m 52.7s	+57° 38' 32"	S...	1.7'X0.5'	12,9
166	5204	13h 29m 36.5s	+58° 25' 08"	Sm IV	5.0'X3.0'	11,3
167	5205	13h 30m 03.5s	+62° 30' 42"	Sb	3.2'X1.8'	12,4
168	5216	13h 32m 06.9s	+62° 42' 01"	E	2.5'X1.5'	12,7
168	5218	13h 32m 10.3s	+62° 46' 03"	SBb/P	1.8'X1.3'	12,5
169	5278	13h 41m 39.7s	+55° 40' 14"	Sb pec	1.3'X1.0'	12,9
170	5308	13h 47m 00.5s	+60° 58' 22"	S0- sp	3.7'X0.7'	11,7
171	5322	13h 49m 15.4s	+60° 11' 27"	E3+	5.9'X3.9'	10,1
172	5376	13h 55m 15.9s	+59° 30' 23"	Sa-b	2.1'X1.3'	12,3
173	5379	13h 55m 34.4s	+59° 44' 34"	S0	2.2'X1.0'	13
173	5389	13h 56m 06.5s	+59° 44' 30"	SB0-a	3.5'X1.0'	12,3
174	5422	14h 00m 42.0s	+55° 09' 52"	S0-a	3.9'X0.7'	11,9
175	5430	14h 00m 45.7s	+59° 19' 43"	SBb	2.2'X1.1'	12,1
176	5443	14h 02m 11.5s	+55° 48' 52"	SBb	2.7'X1.0'	12,5
177	5448	14h 02m 49.9s	+49° 10' 21"	SBb	4.0'X1.8'	11,6
178	5457	14h 03m 12.4s	+54° 20' 55"	SBc I	28.8'X26.9'	7,5
179	5473	14h 04m 43.2s	+54° 53' 32"	S0	2.3'X1.7'	11,5
180	5474	14h 05m 01.5s	+53° 39' 44"	Sc	4.8'X4.3'	11
181	5475	14h 05m 12.3s	+55° 44' 31"	Sa	2.0'X0.5'	12,8
182	5480	14h 06m 21.4s	+50° 43' 31"	Sc? I-II	1.7'X1.1'	12,3
182	5481	14h 06m 41.2s	+50° 43' 23"	E	1.8'X1.5'	12,4
183	5485	14h 07m 11.3s	+55° 00' 05"	S0	2.3'X1.9'	11,5
183	5486	14h 07m 24.9s	+55° 06' 11"	Sc-Irr	1.9'X1.2'	13,4
184	5585	14h 19m 47.8s	+56° 43' 46"	Sc IV	5.8'X3.7'	11
185	5631	14h 26m 33.1s	+56° 34' 57"	S0/Sa	1.7'X1.7'	11,5

UGC 4305 (ARP 268)

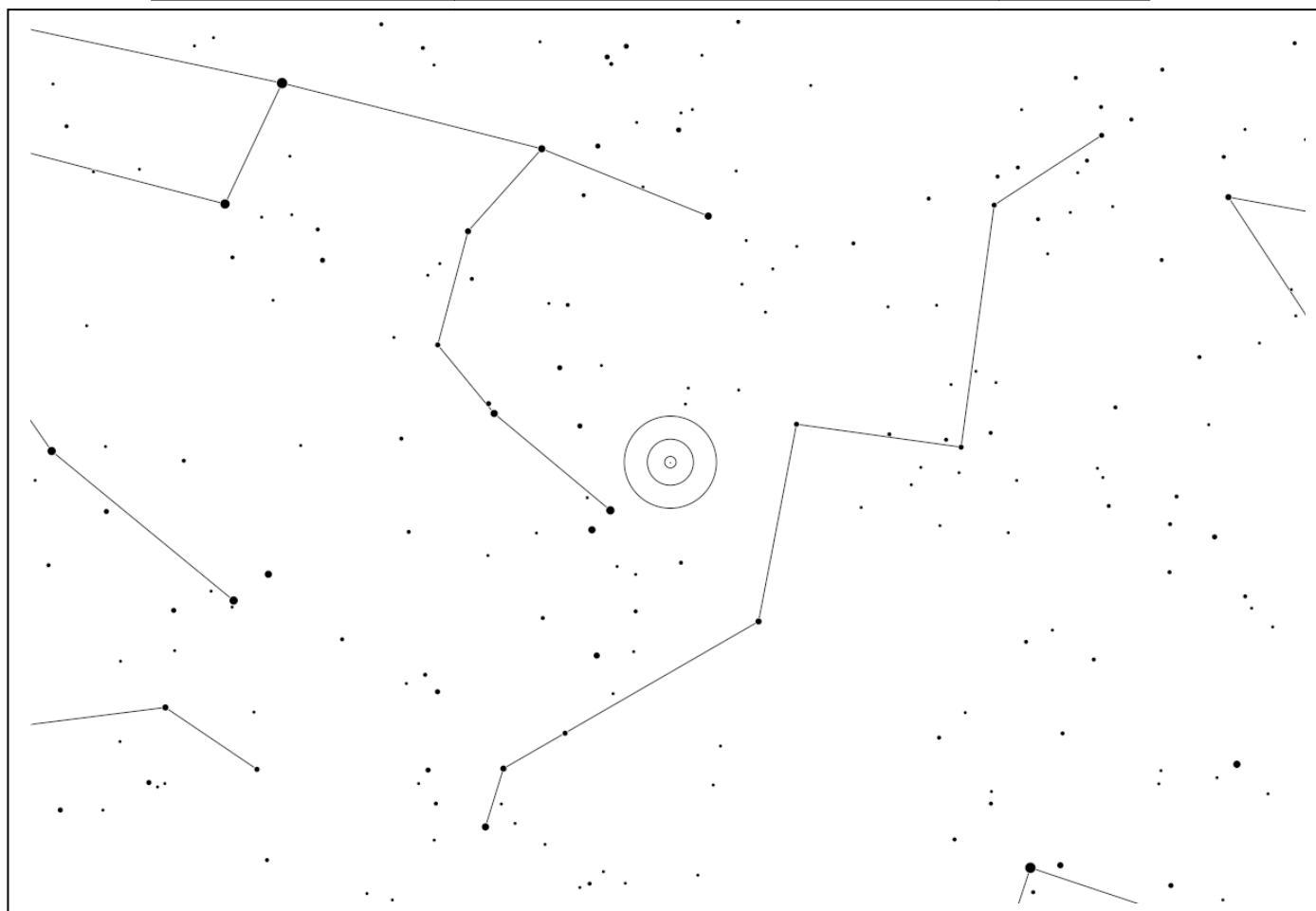
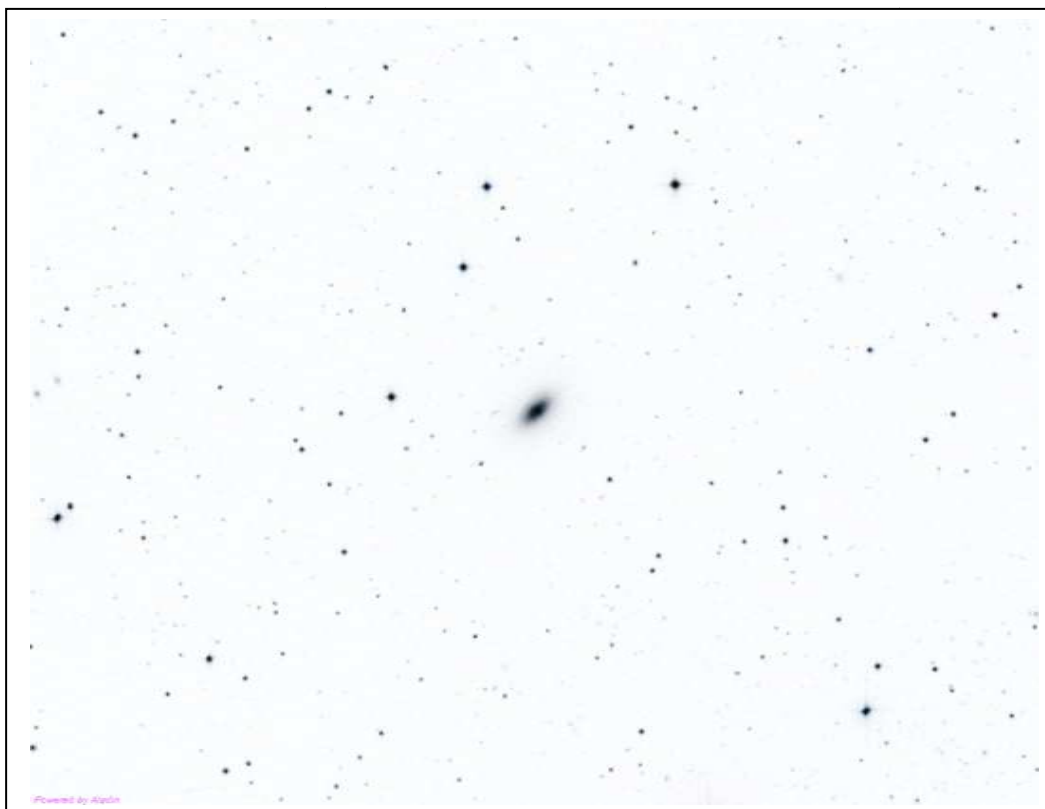


Powered by Aladin



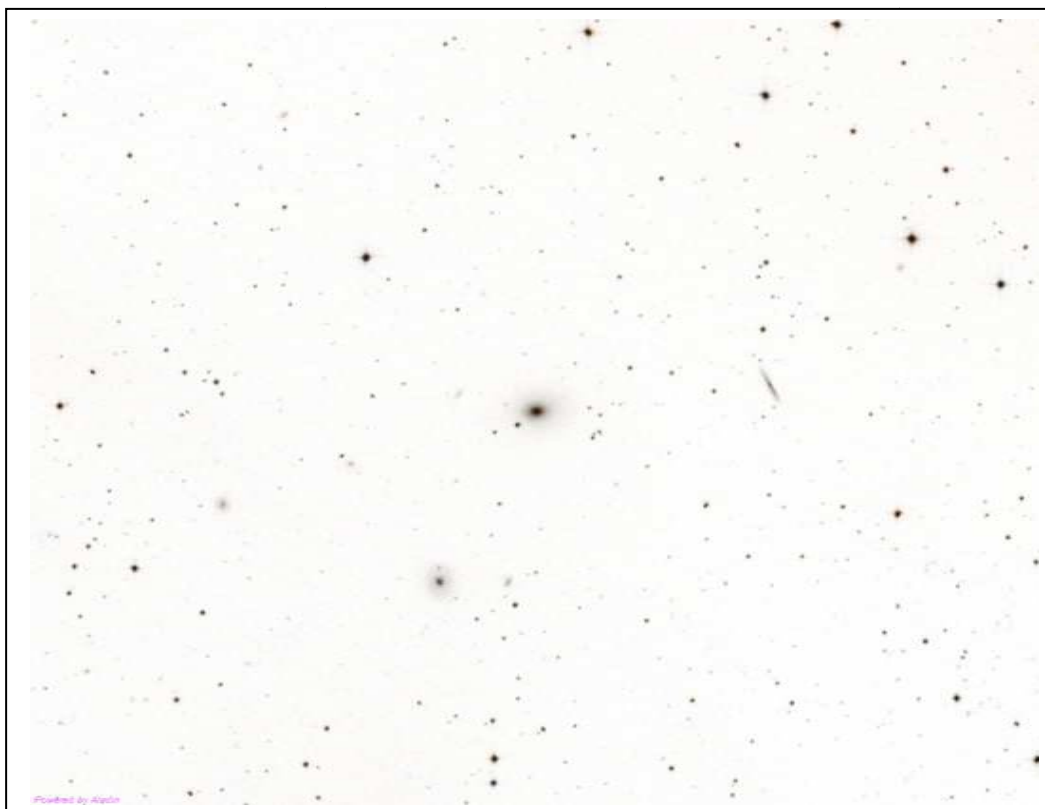
UGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
UGC4305	8h 19m 11s	70° 43' 00"	Ir+	7.6' x 6.2'	11,1

NGC 2639

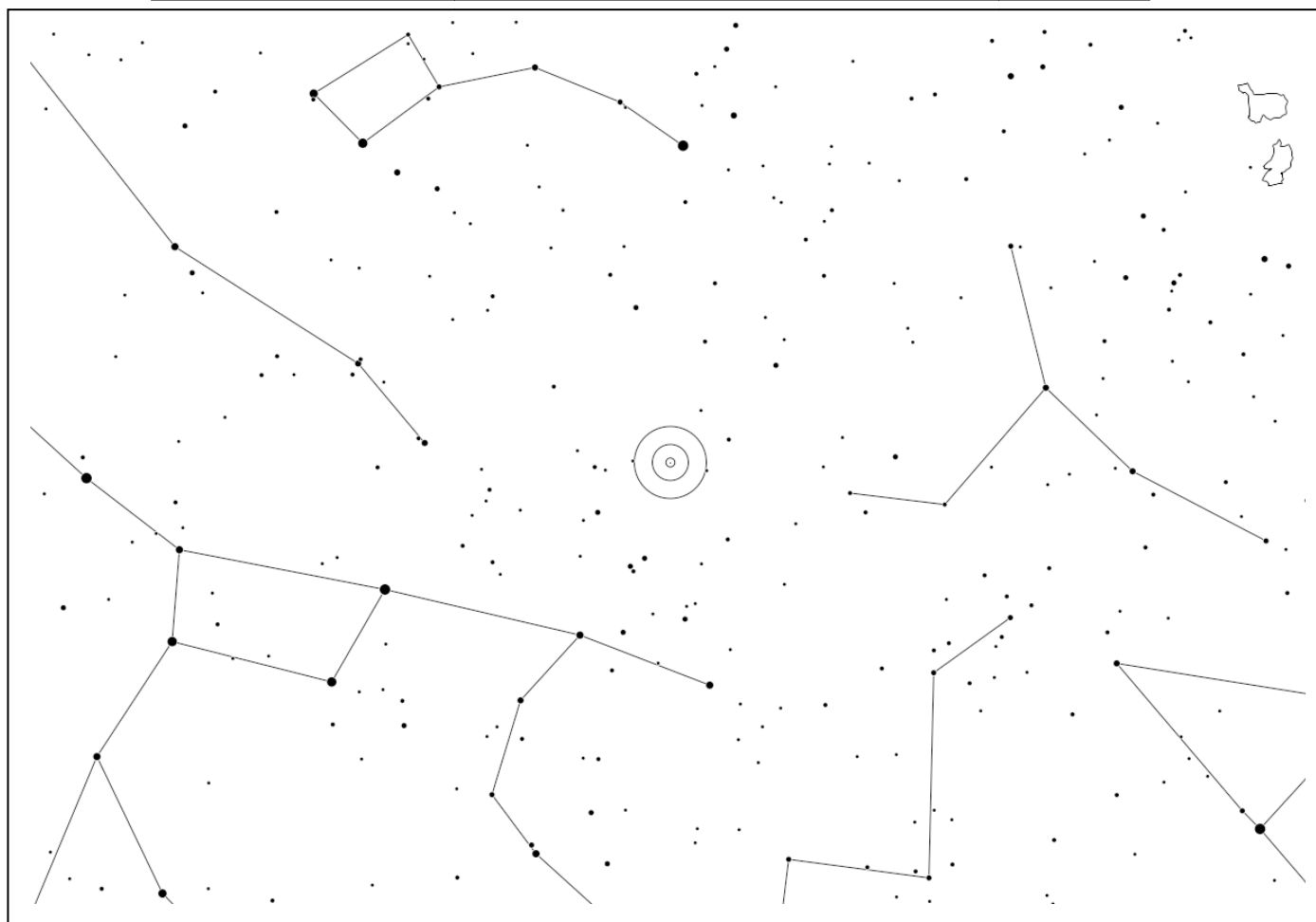


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2639	08h 43m 37.9s	+50° 12' 20"	Sa?	1.8'X1.1'	11,9

NGC 2629

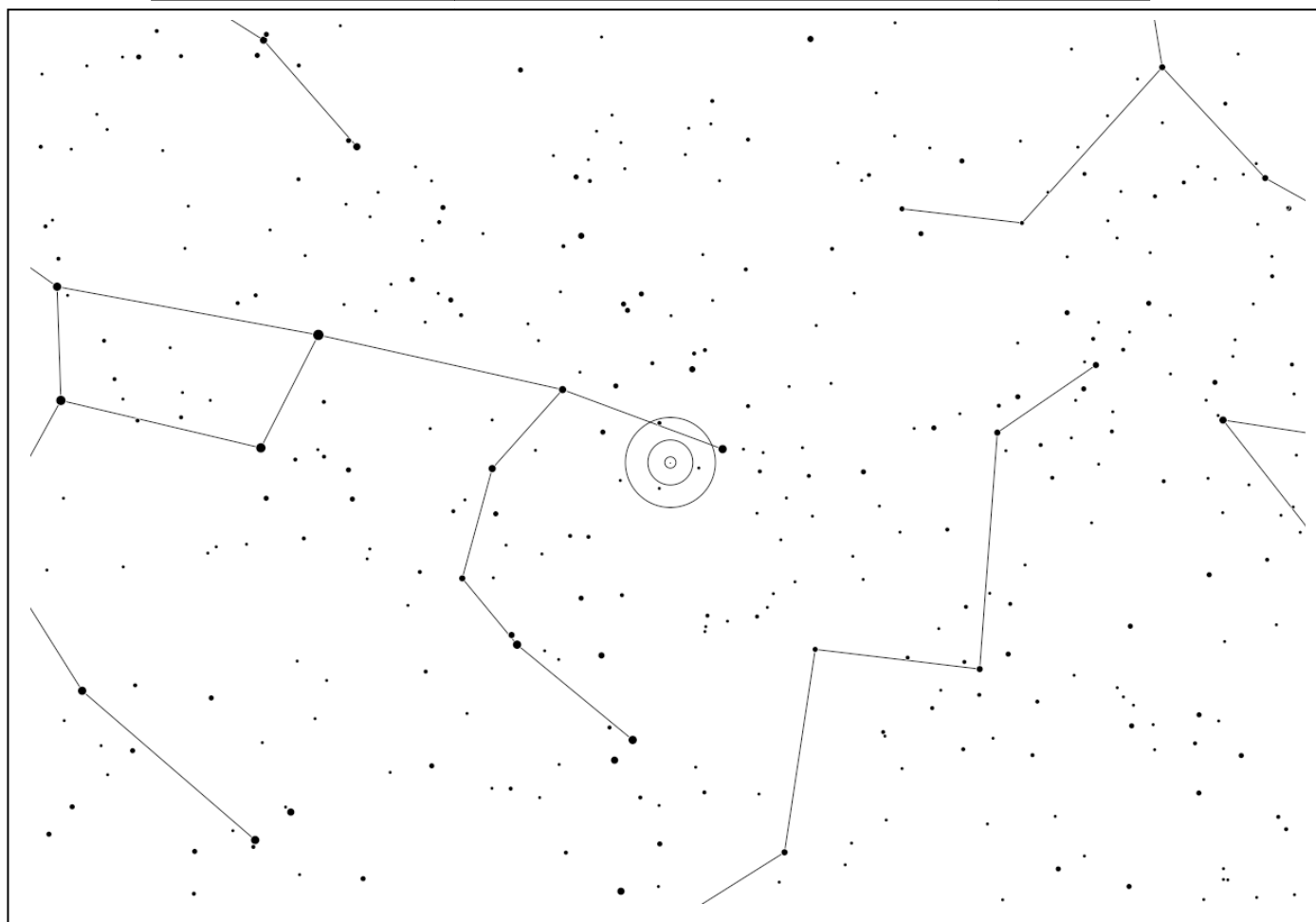


Processed by APOGEE



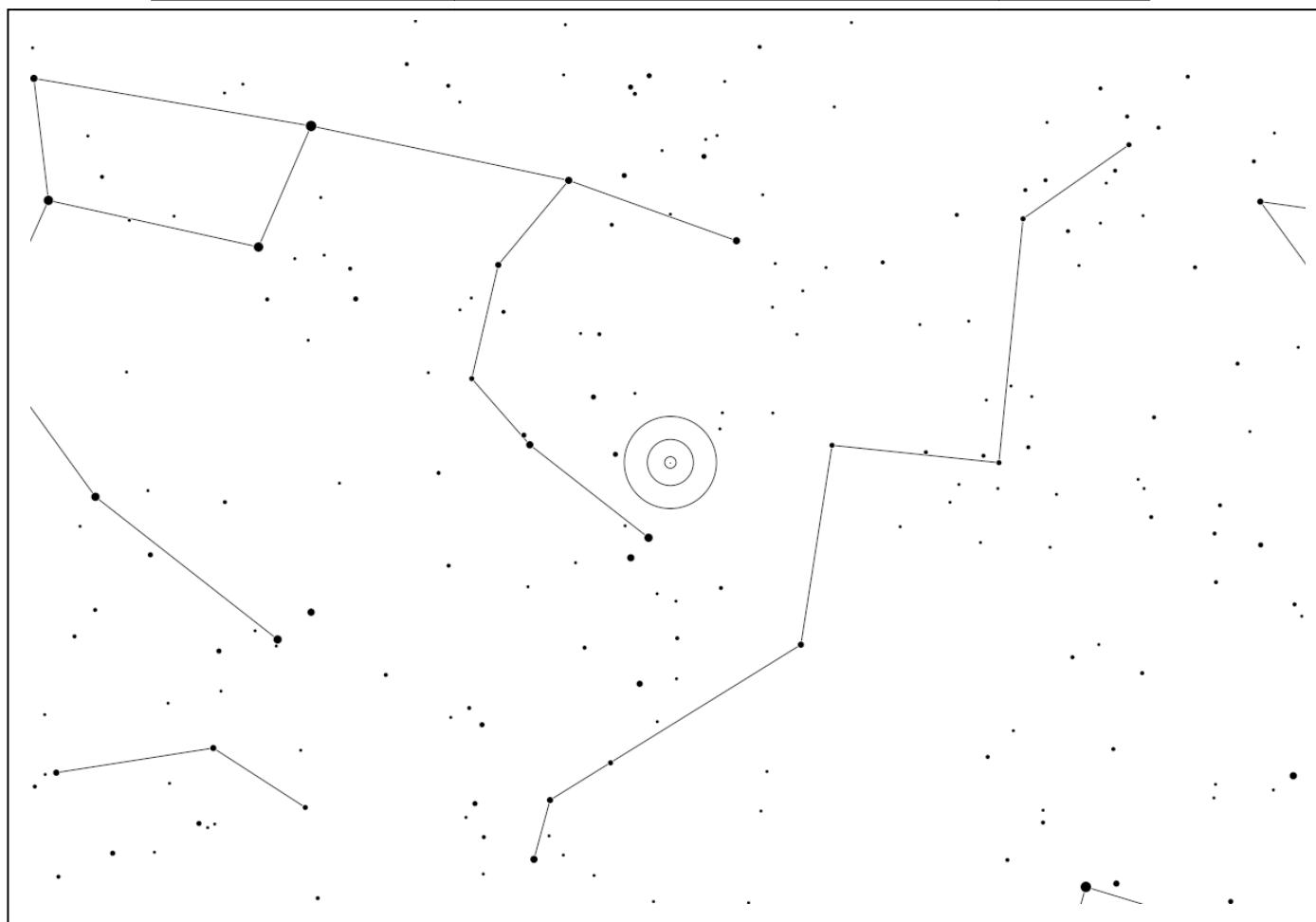
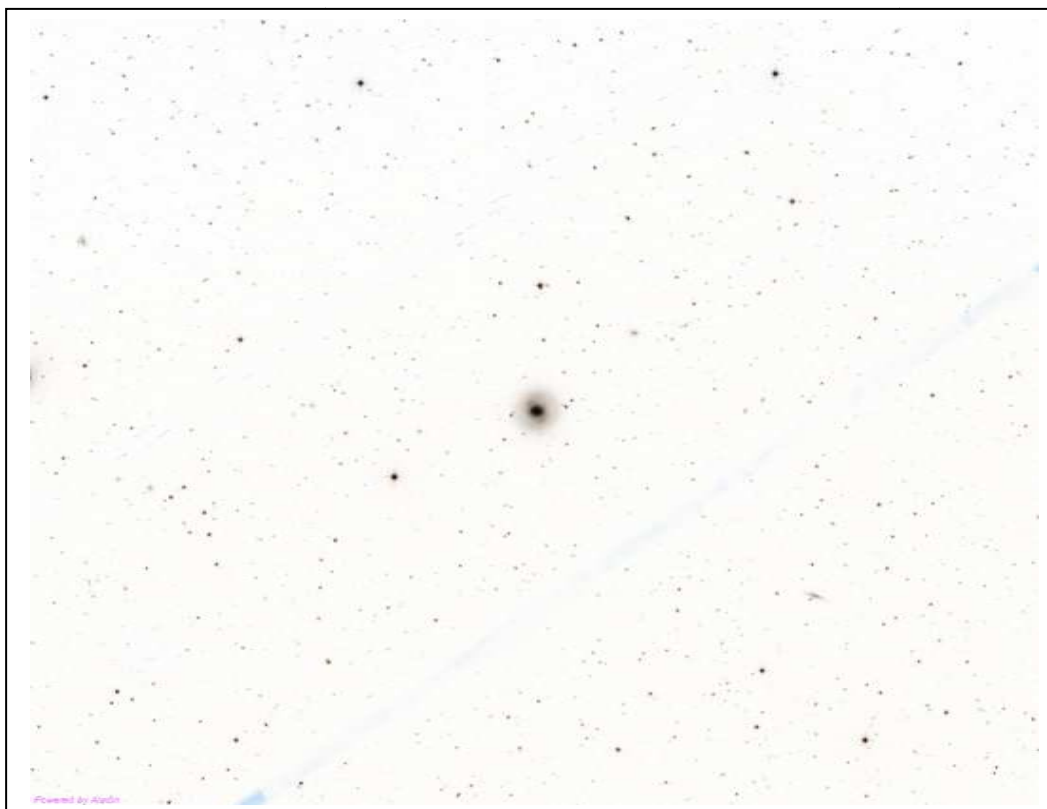
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2629	08h 47m 15.8s	+72° 59' 07"	E	2.3'X1.8'	11,9

NGC 2654



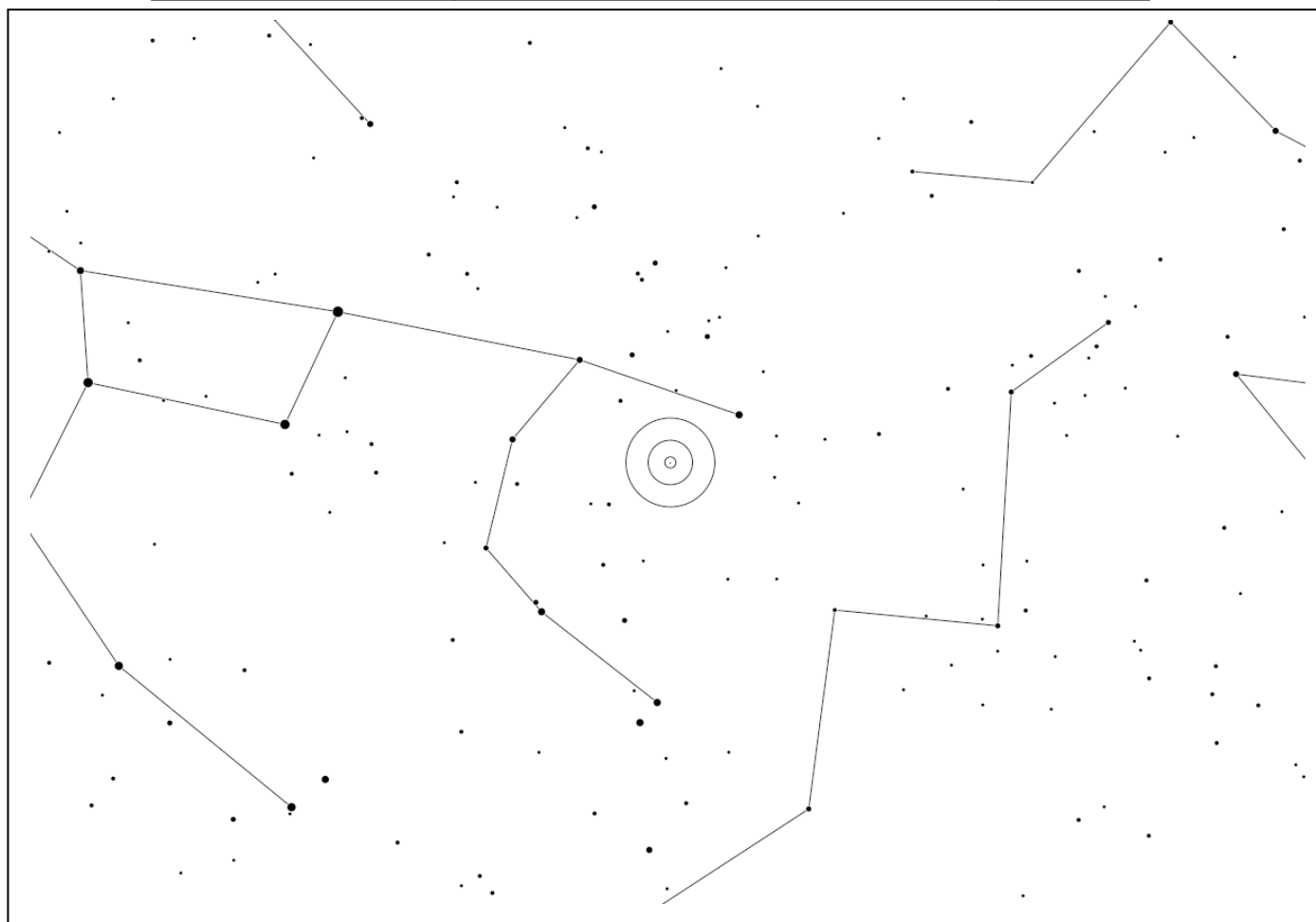
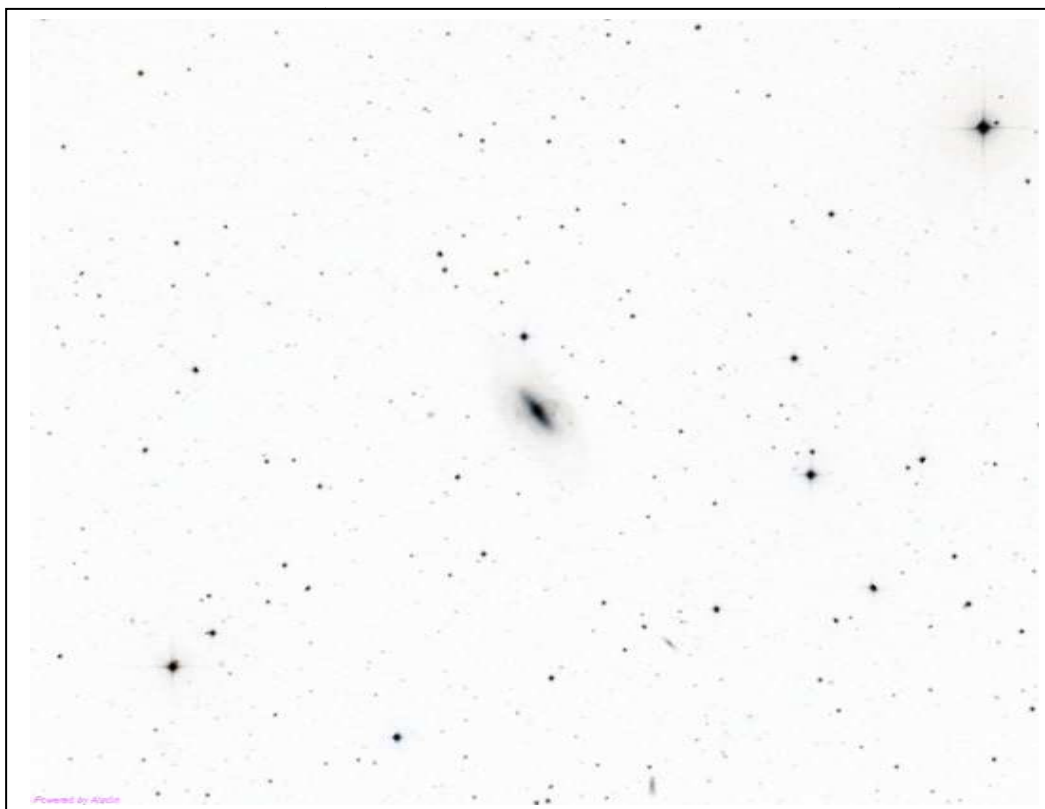
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2654	08h 49m 11.9s	+60° 13' 15"	Sa-b II	4.3'X0.8'	12

NGC 2681



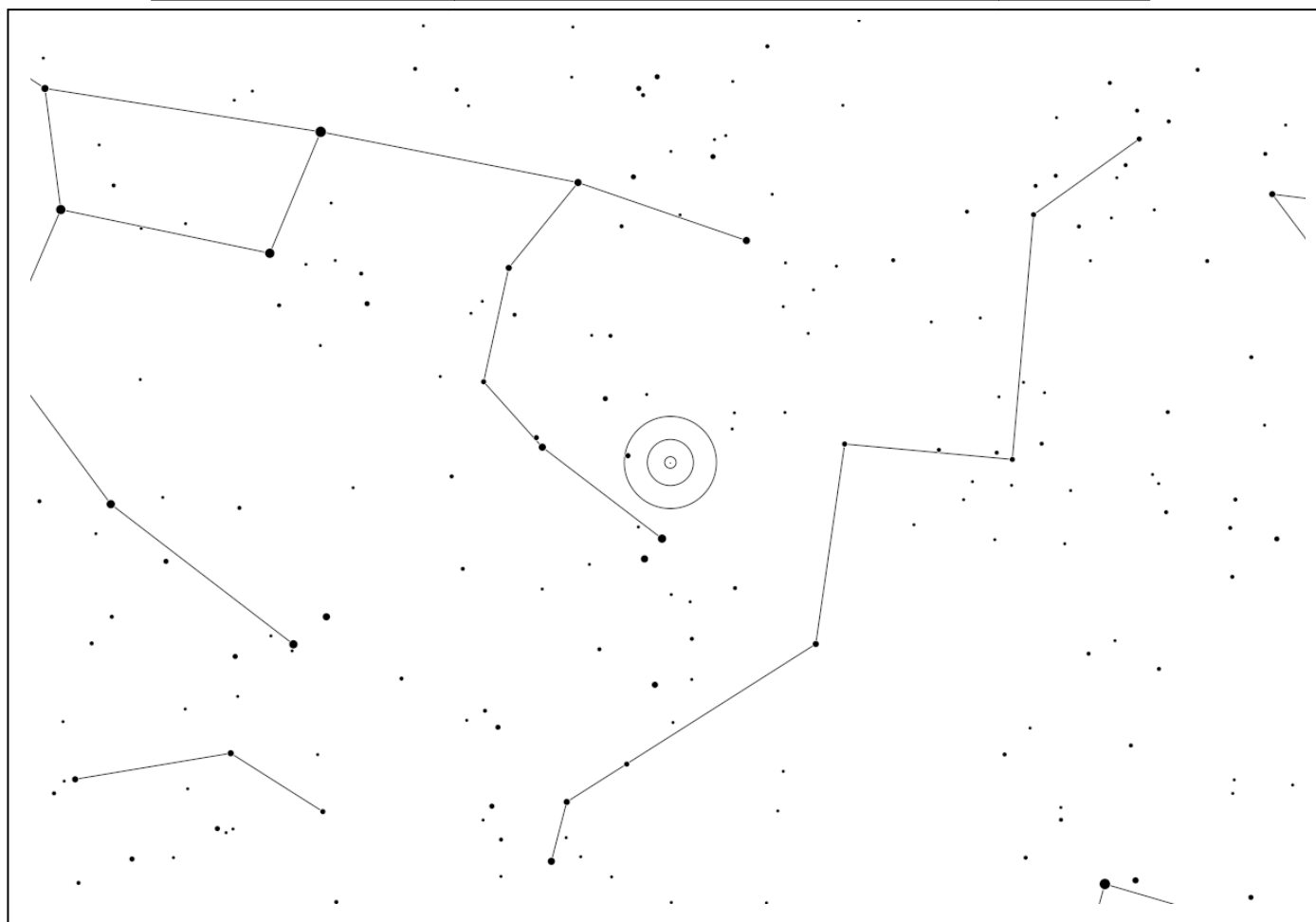
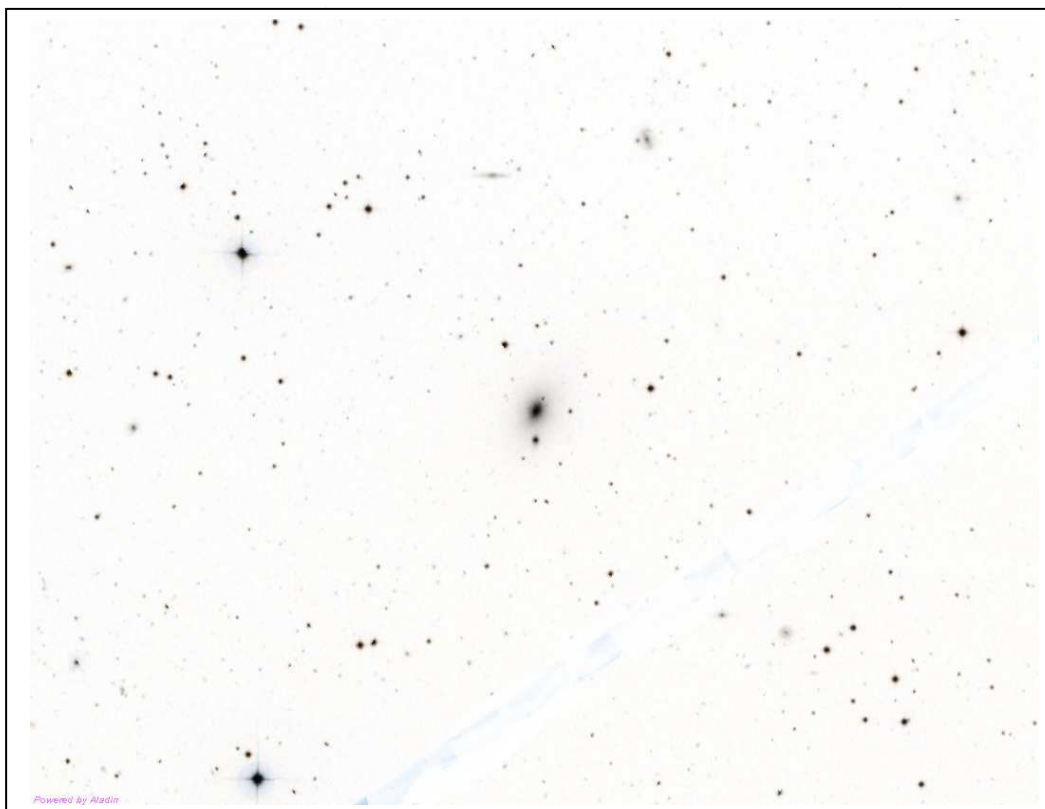
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2681	08h 53m 32.8s	+51° 18' 49"	Sa	3.6'X3.3'	10,1

NGC 2685



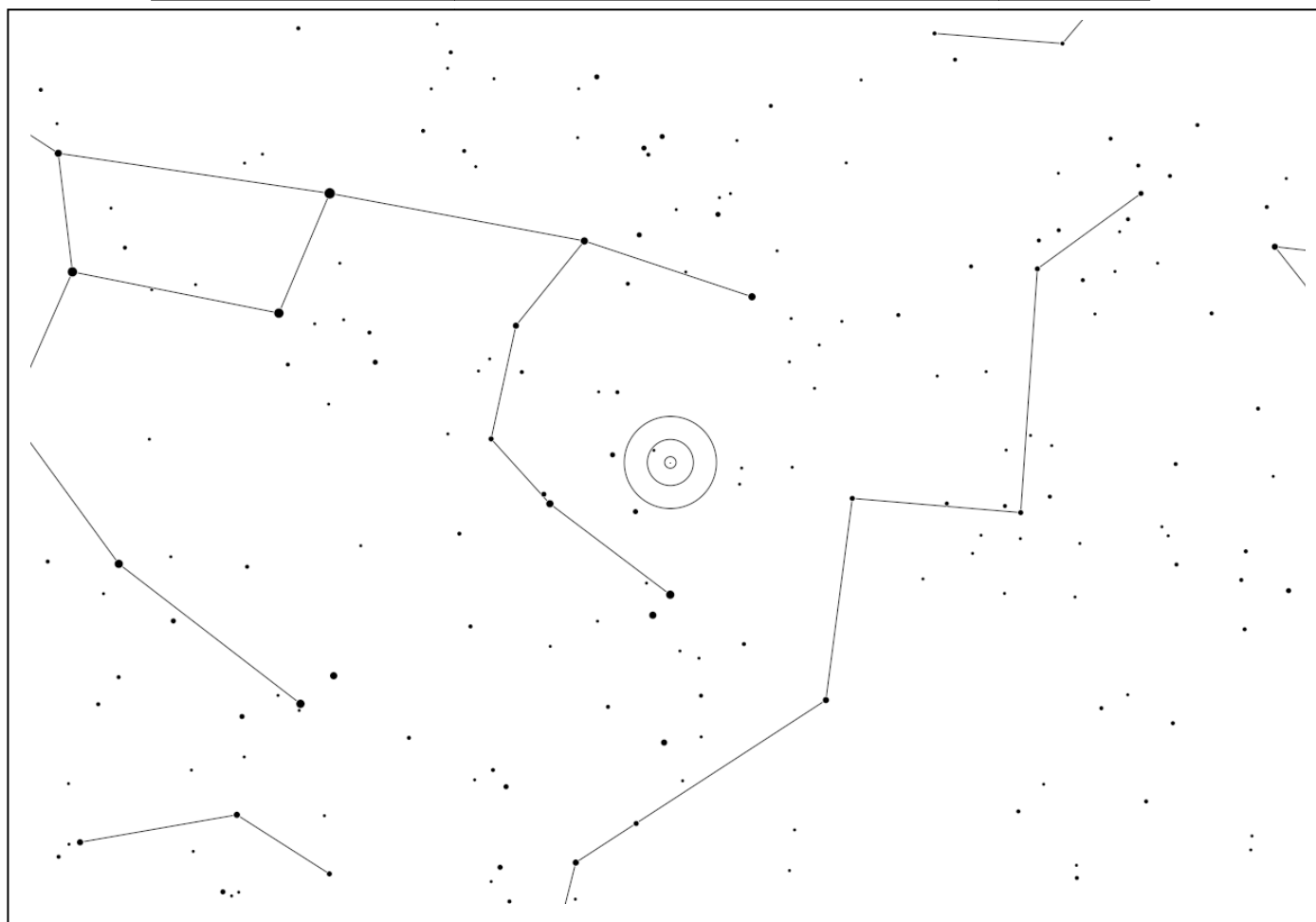
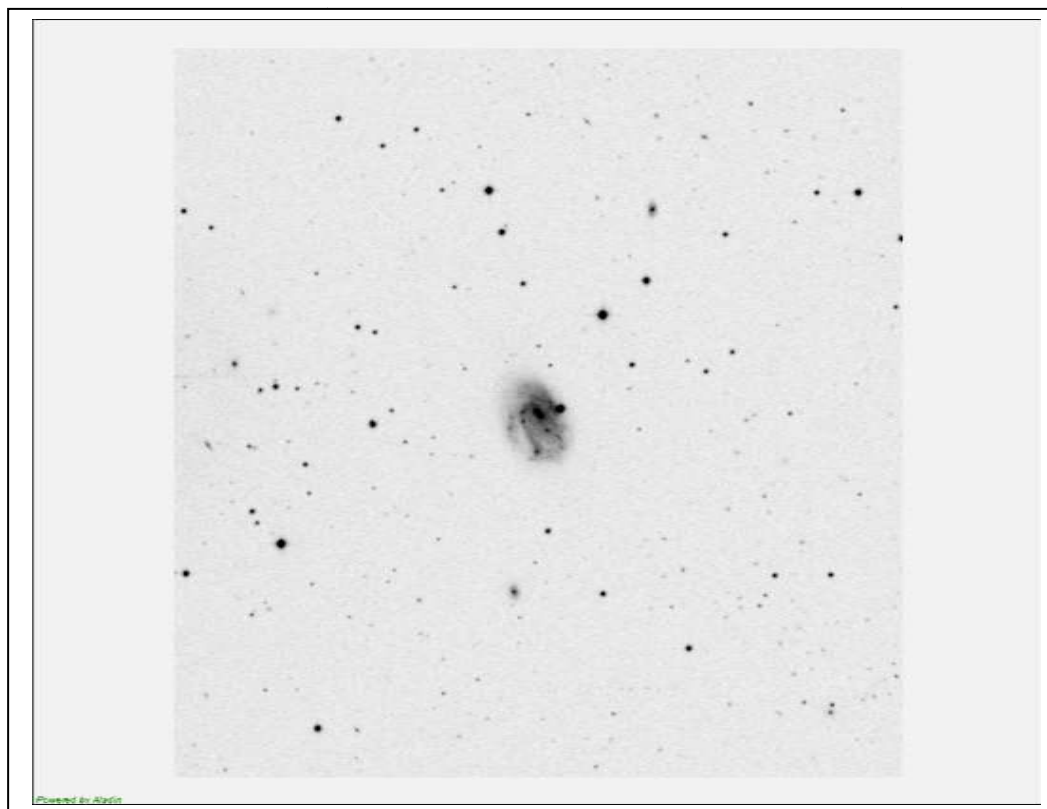
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2685 (ARP336)	08h 55m 34.6s	+58° 44' 02"	Sb pec II	4.5'X2.3'	10,9

NGC 2693



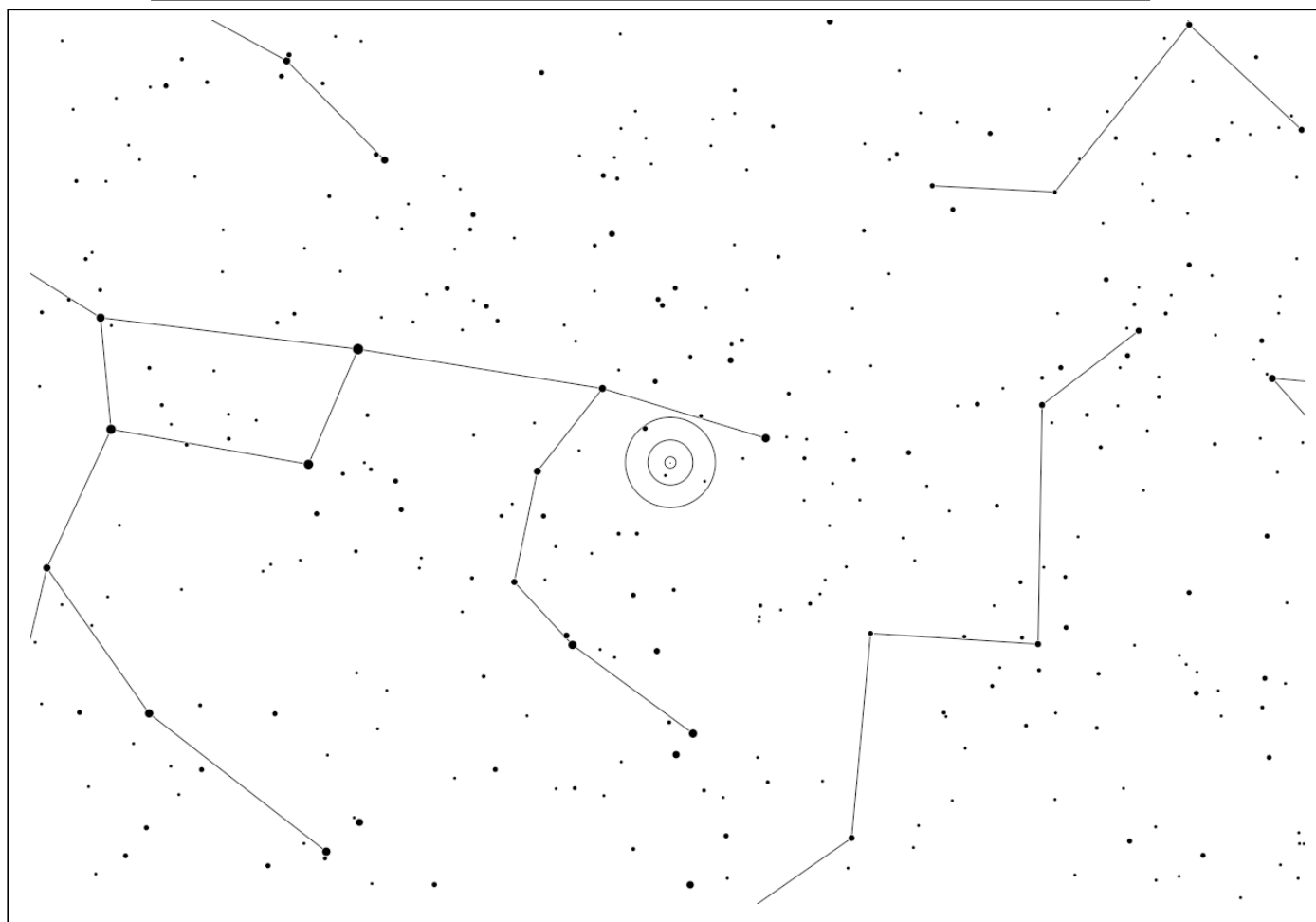
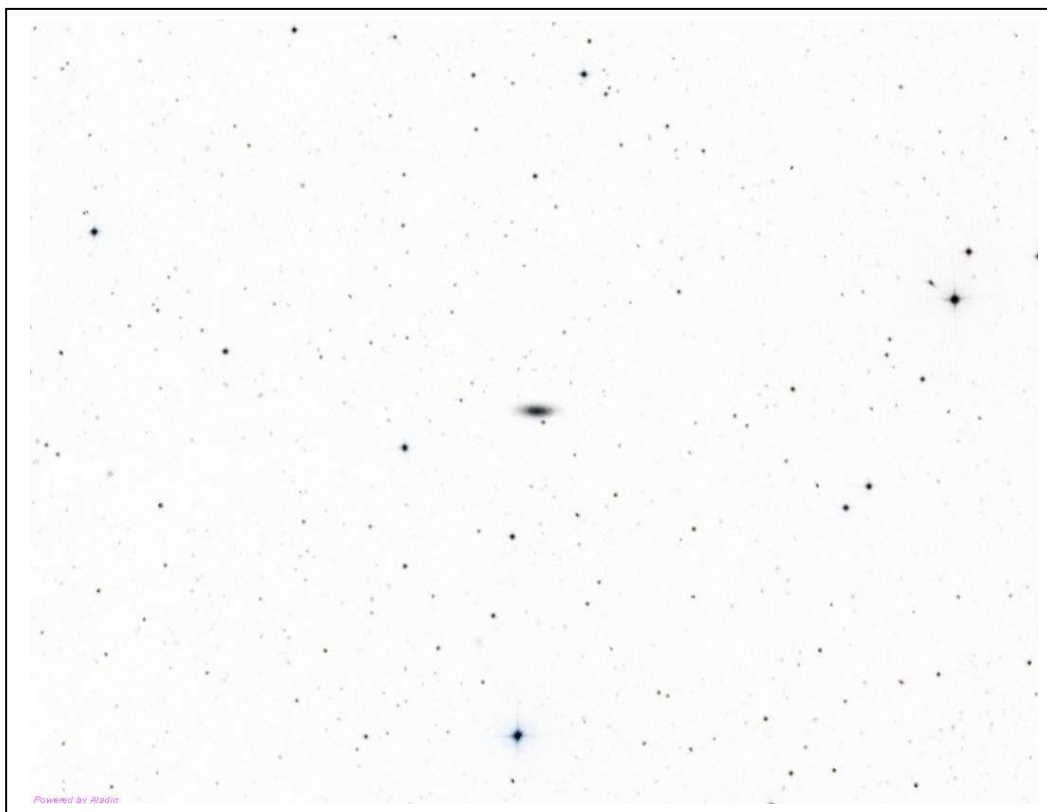
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2693	08h 56m 59.3s	+51° 20' 49"	E3 pec	2.6'X1.8'	11,7

NGC 2701



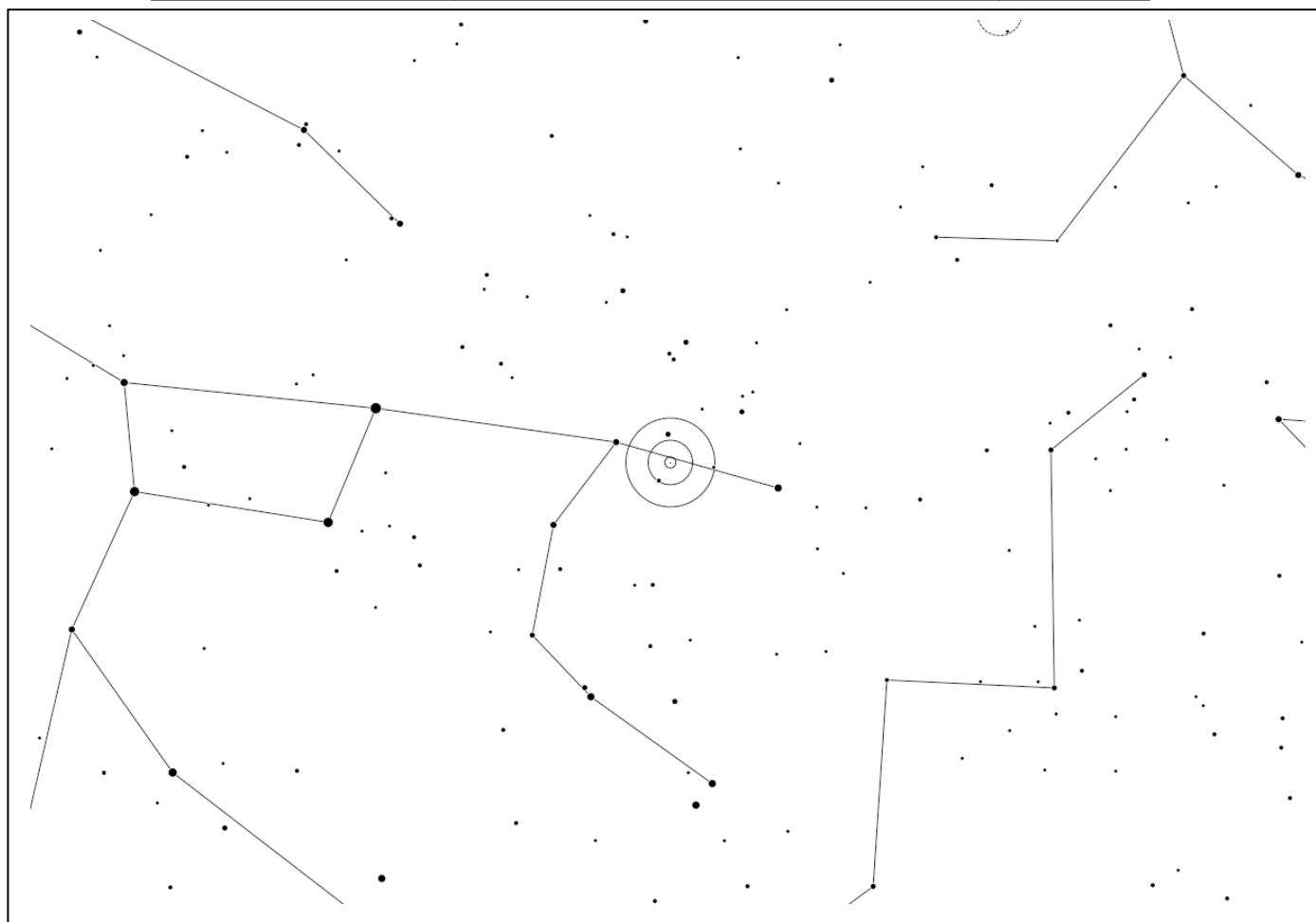
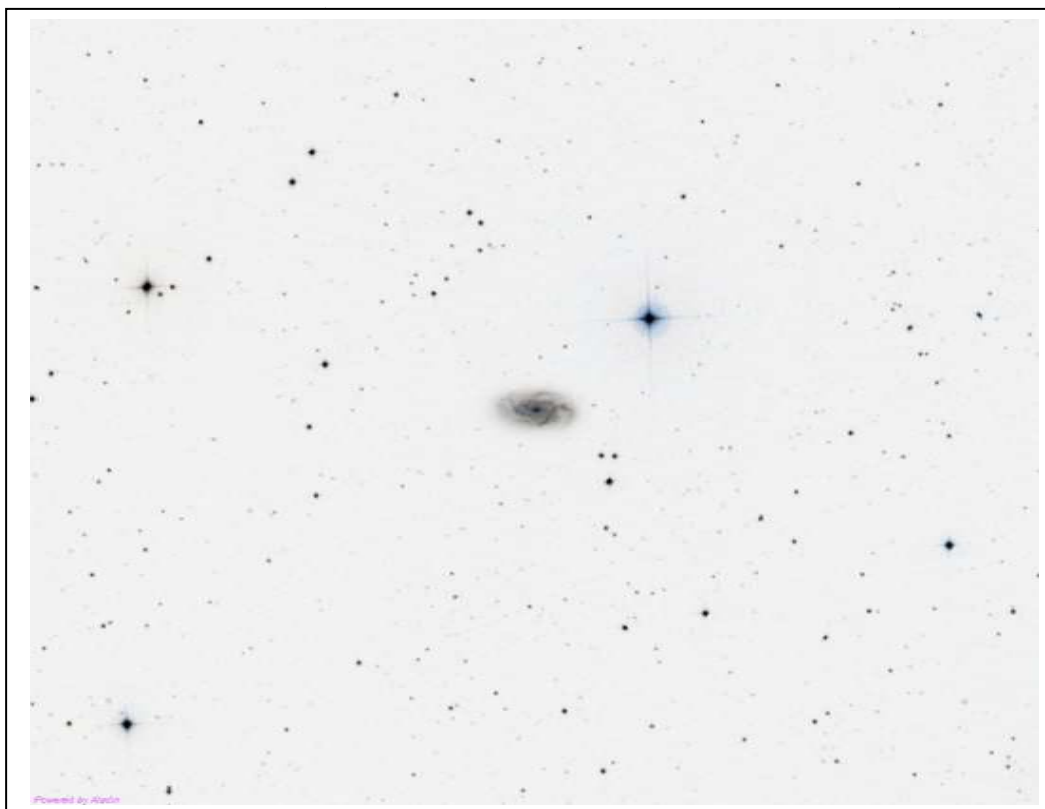
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2701	08h 59m 05.4s	+53° 46' 14"	Sc II	2.2'X1.6'	12

NGC 2726



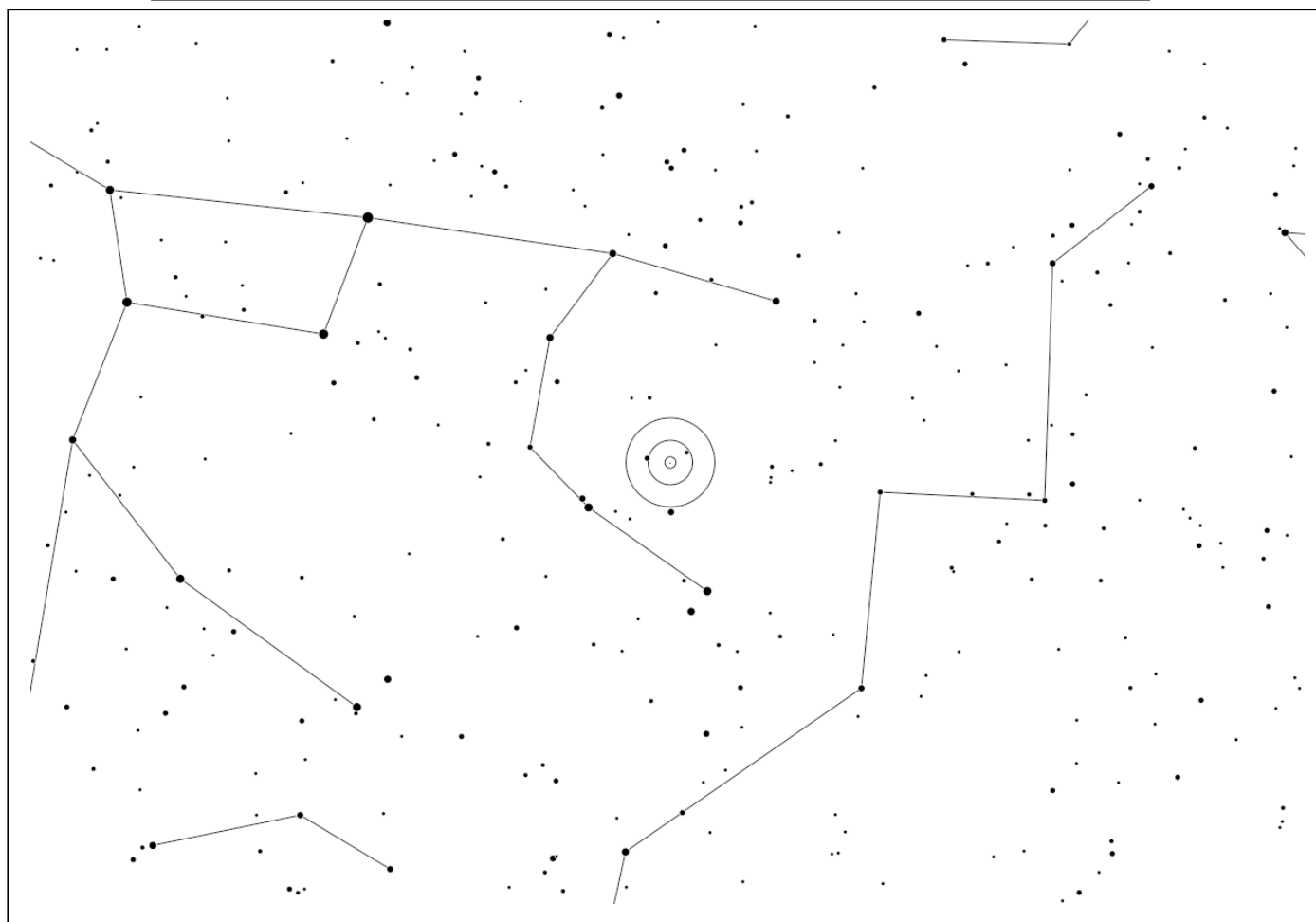
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2726	09h 04m 56.8s	+59° 55' 57"	Sa?	1.6'X0.5'	12,7

NGC 2742



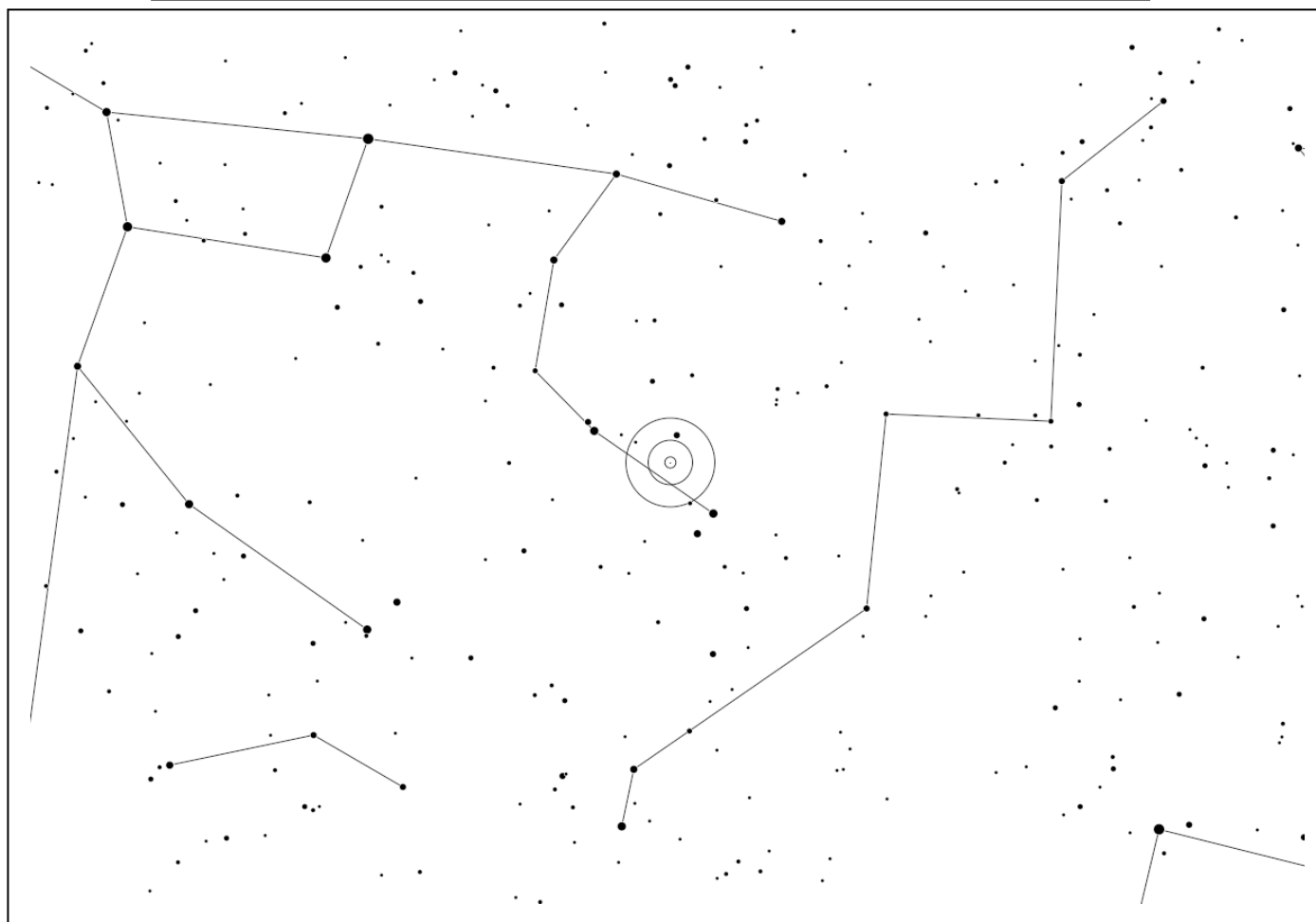
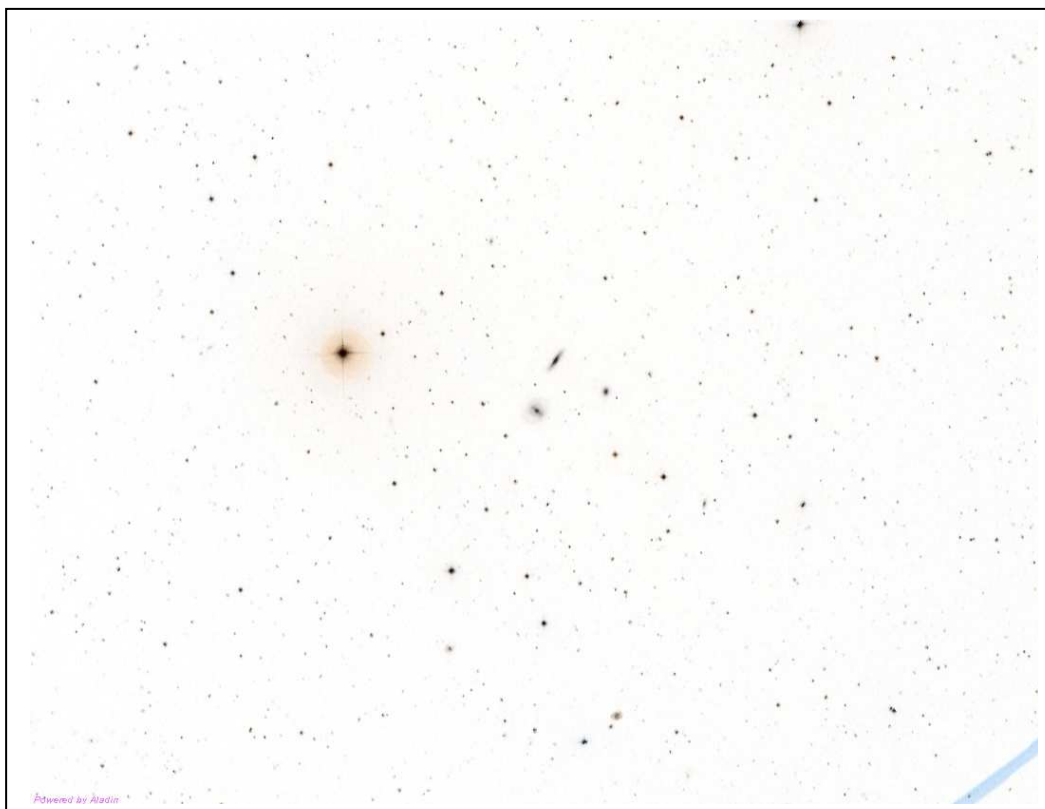
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2742	09h 07m 33.3s	+60° 28' 45"	Sc II	3.0'X1.5'	11,7

NGC 2756



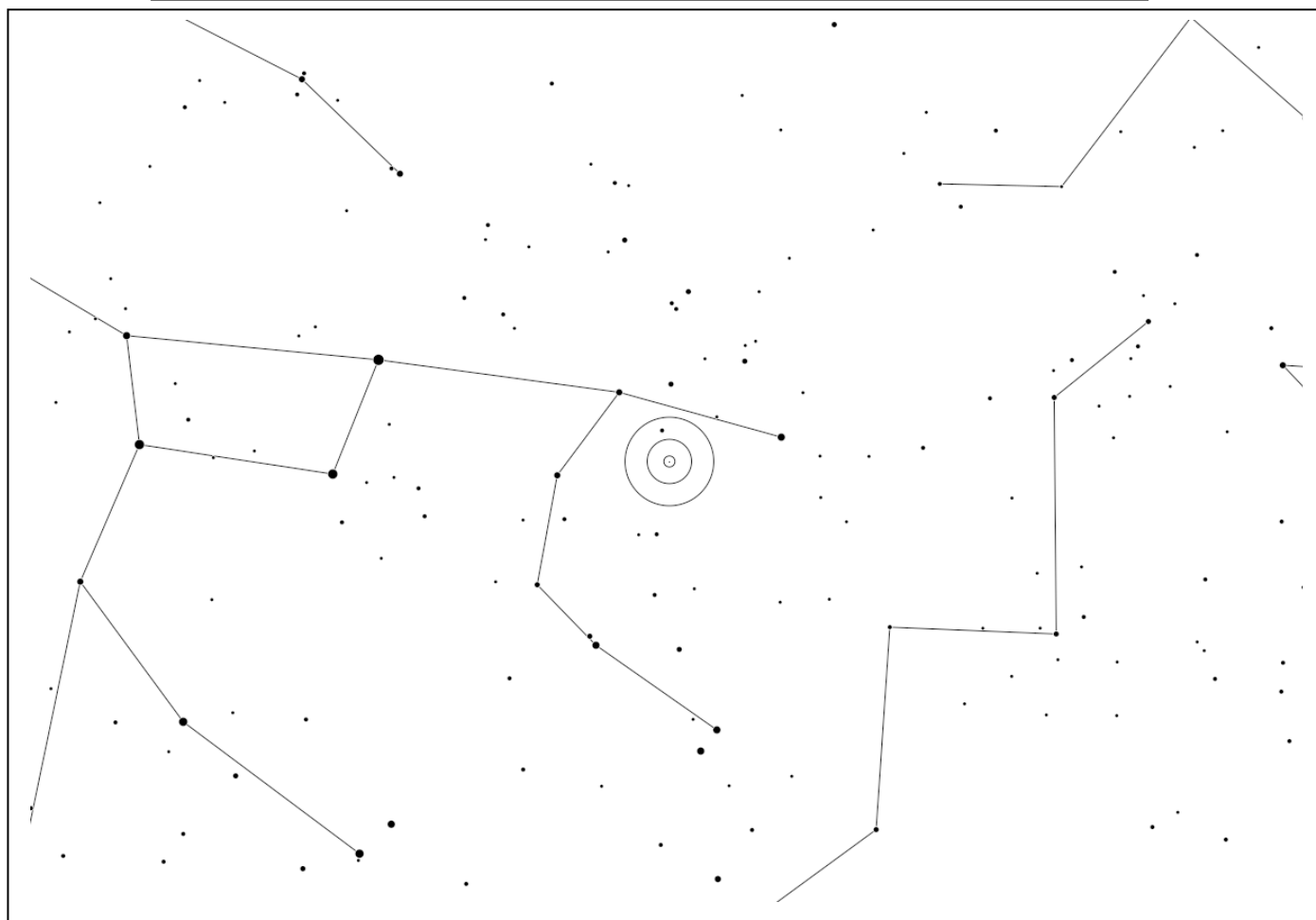
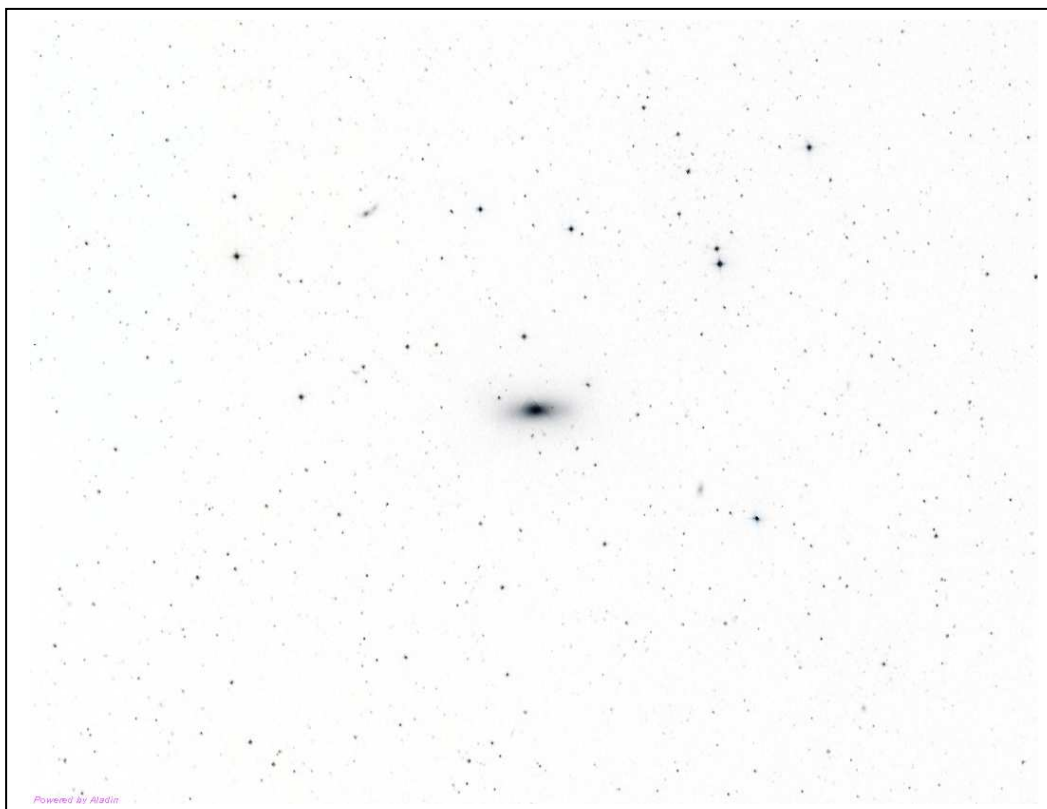
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2756	09h 09m 00.9s	+53° 50' 57"	Sb	1.7'X1.1'	12,6

NGC 2771 – NGC 2769



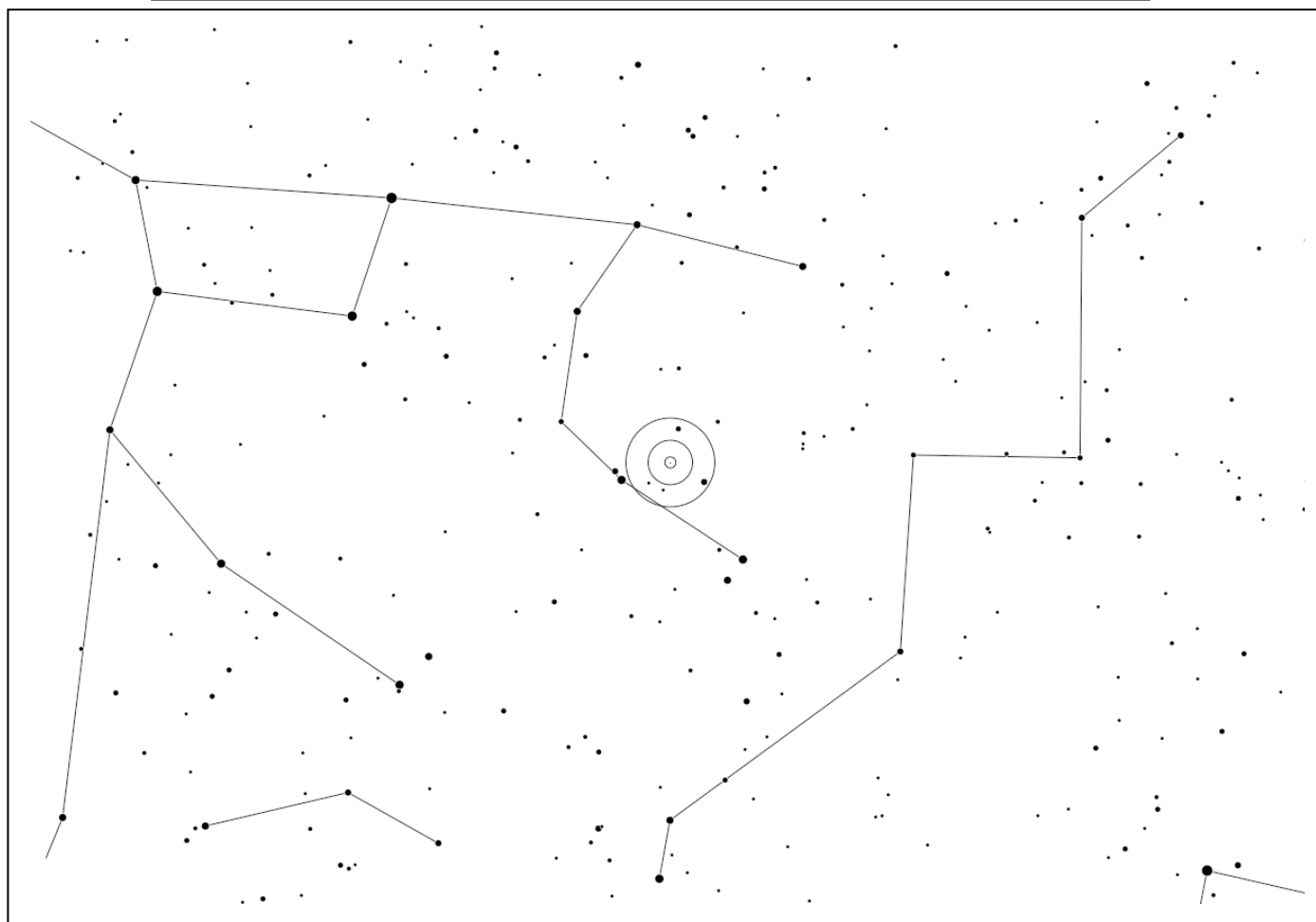
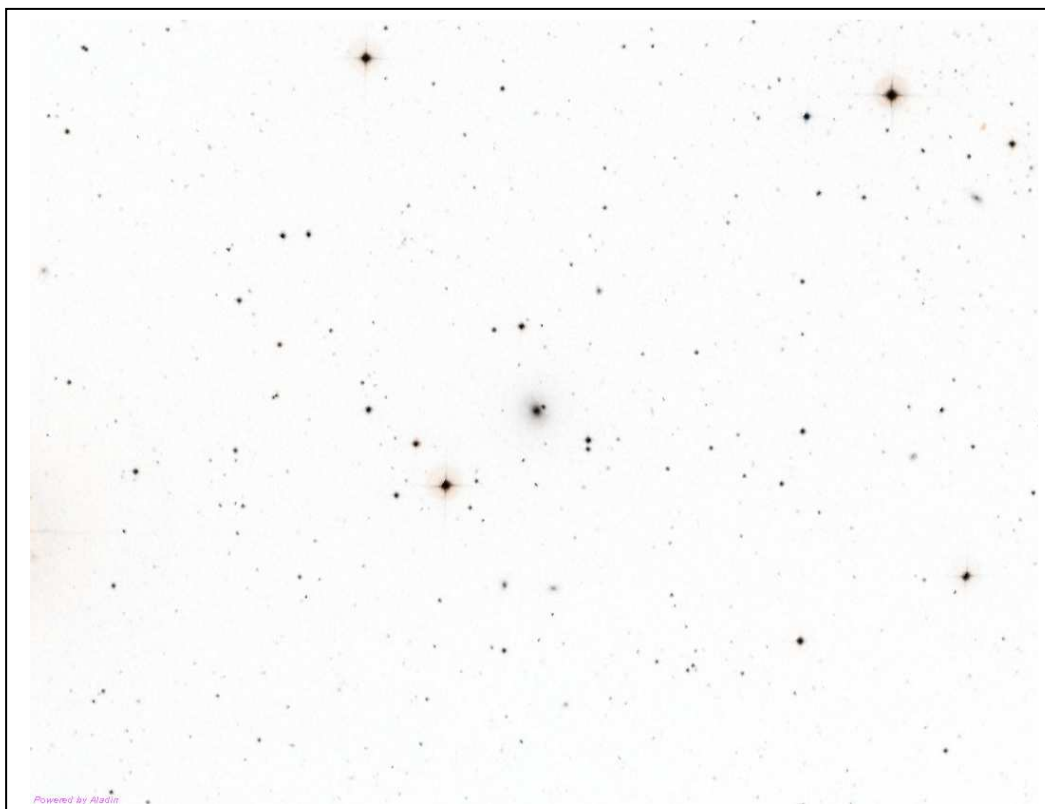
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2771	09h 10m 39.7s	+50° 22' 47"	SBa	2.2'X1.9'	12,9
2769	09h 10m 32.1s	+50° 26' 00"	Sa	1.7'X0.4'	13,2

NGC 2768



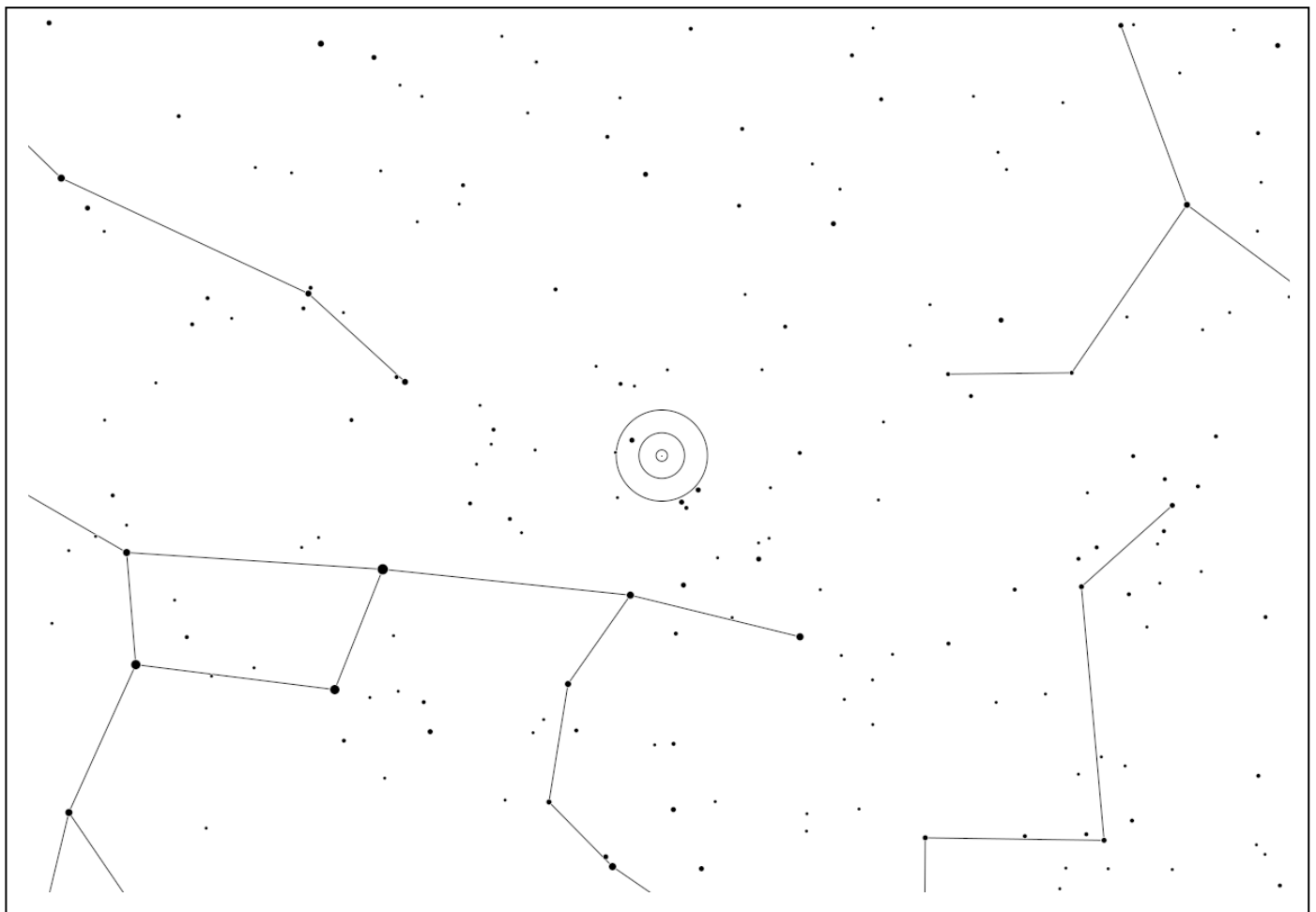
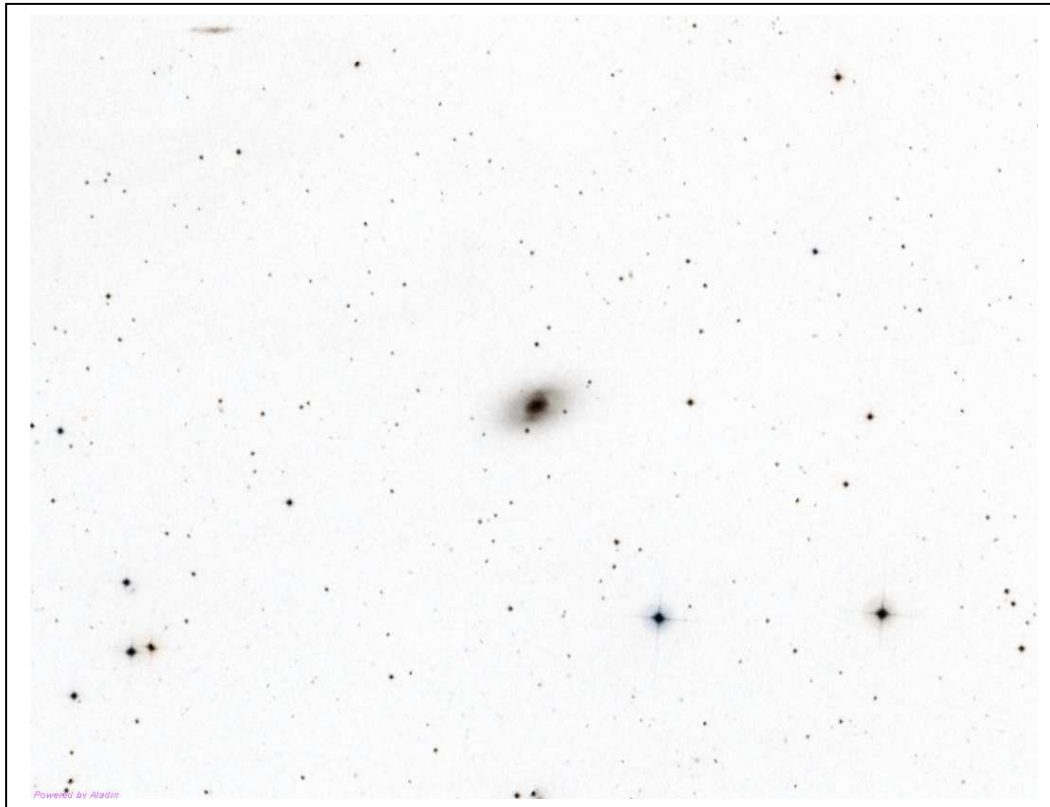
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2768	09h 11m 37.5s	+60° 02' 14"	E-S0	8.1'X4.3'	10,1

NGC 2800



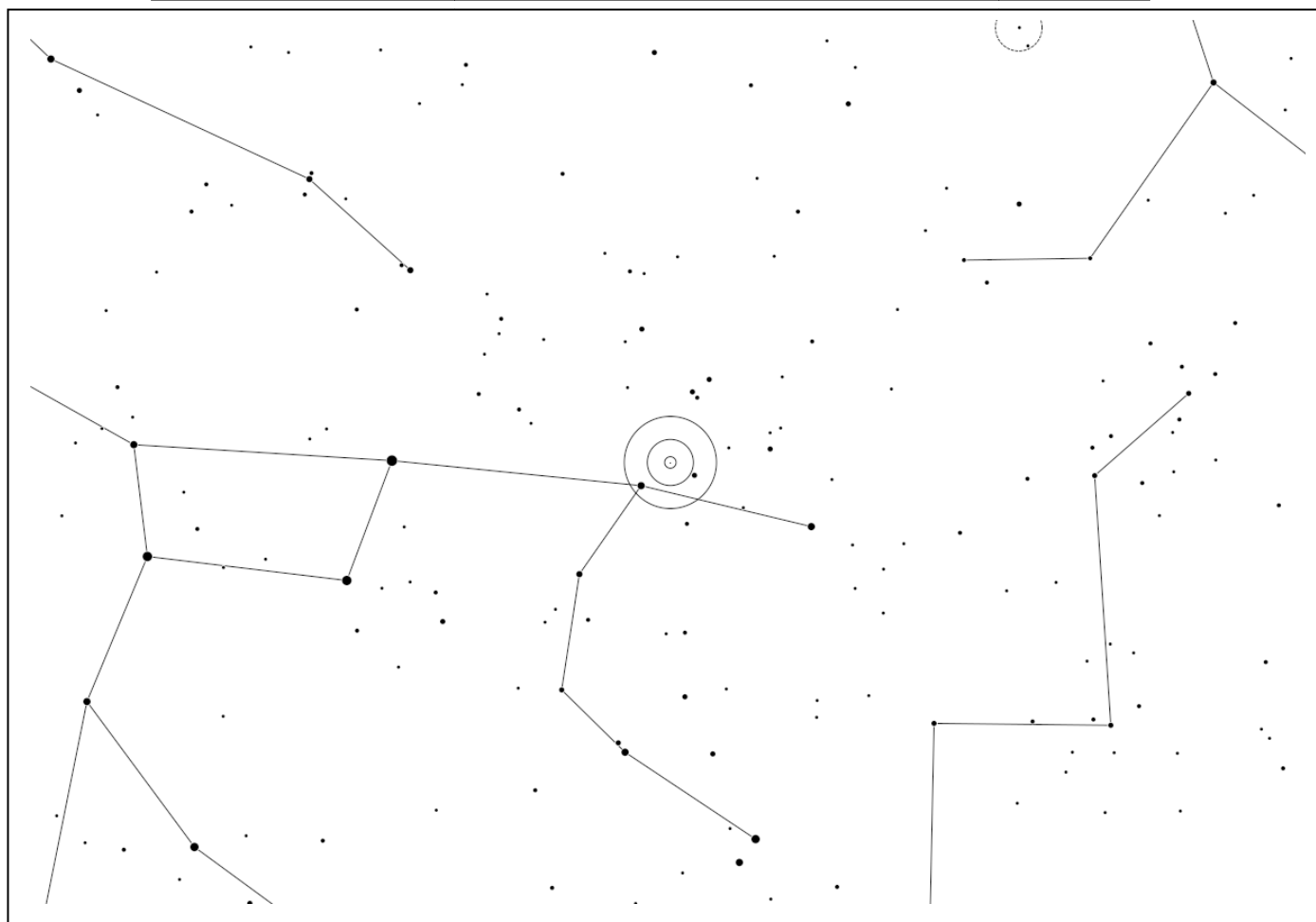
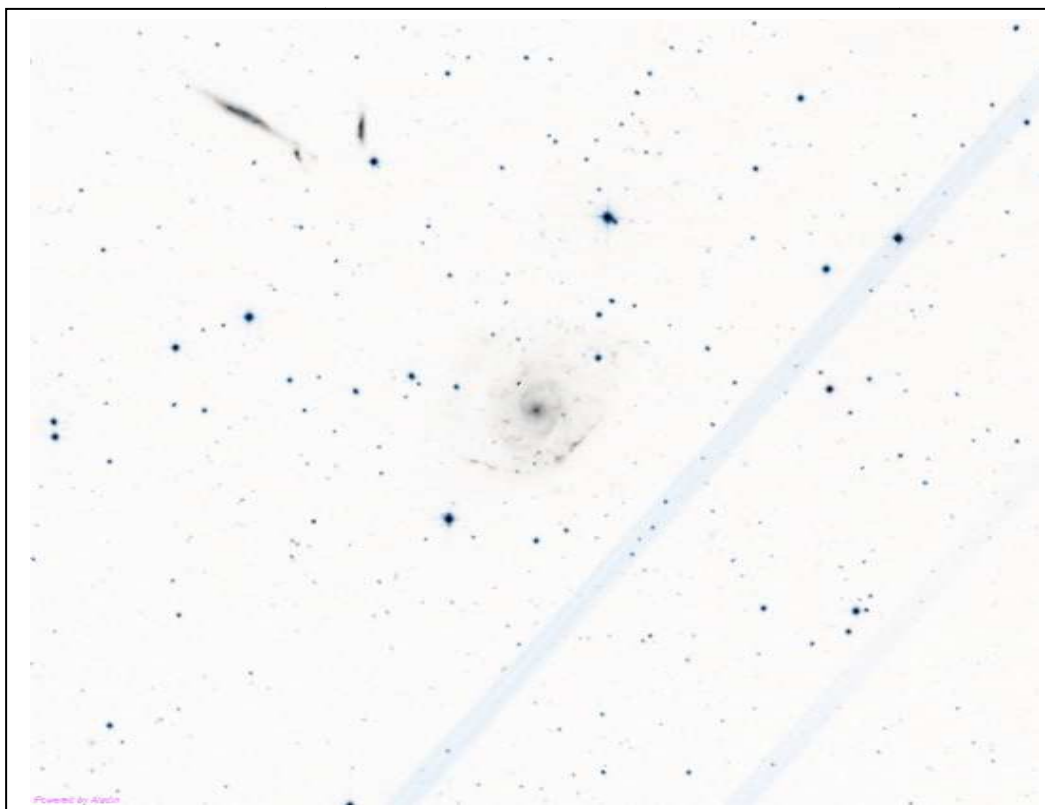
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2800	09h 18m 35.2s	+52° 30' 52"	E	1.4'X0.9'	12,9

NGC 2787



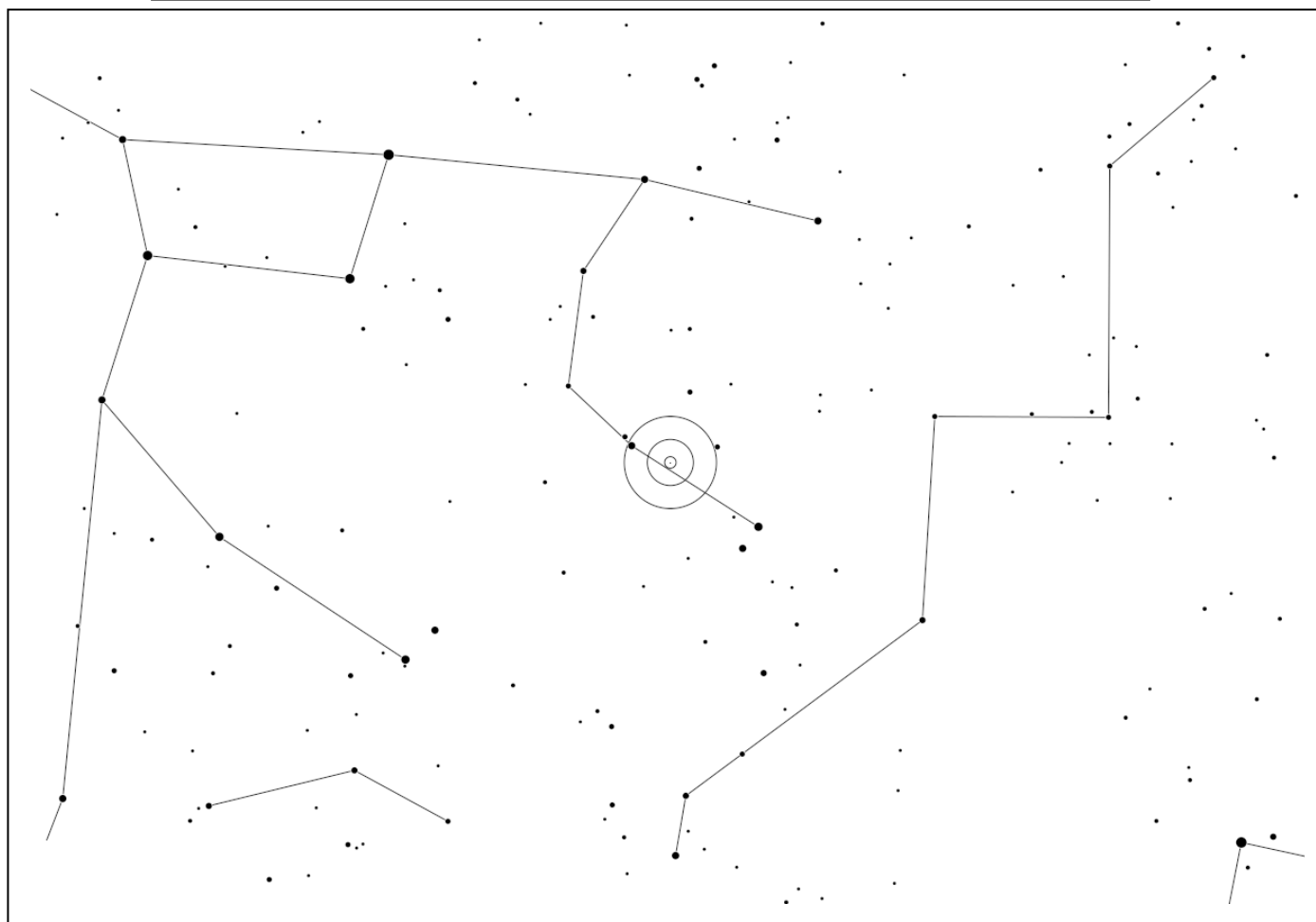
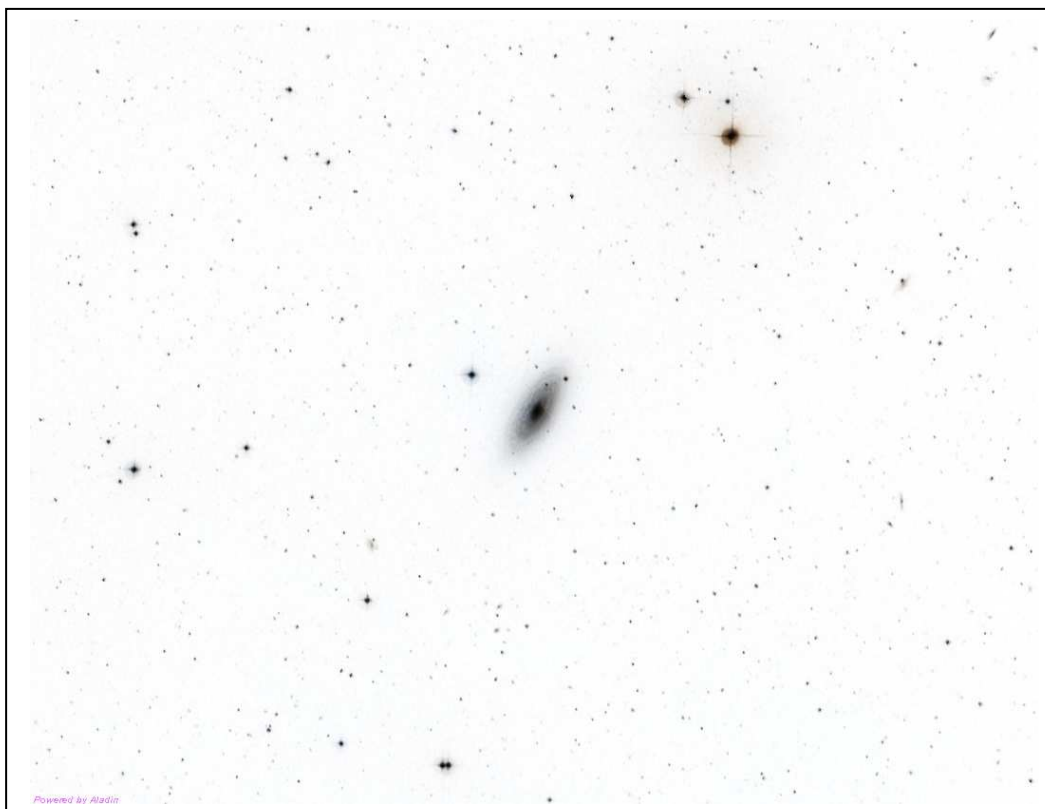
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2787	09h 19m 18.5s	+69° 12' 11"	SB0	3.2'X2.0'	10,9

NGC 2805 – NGC 2820



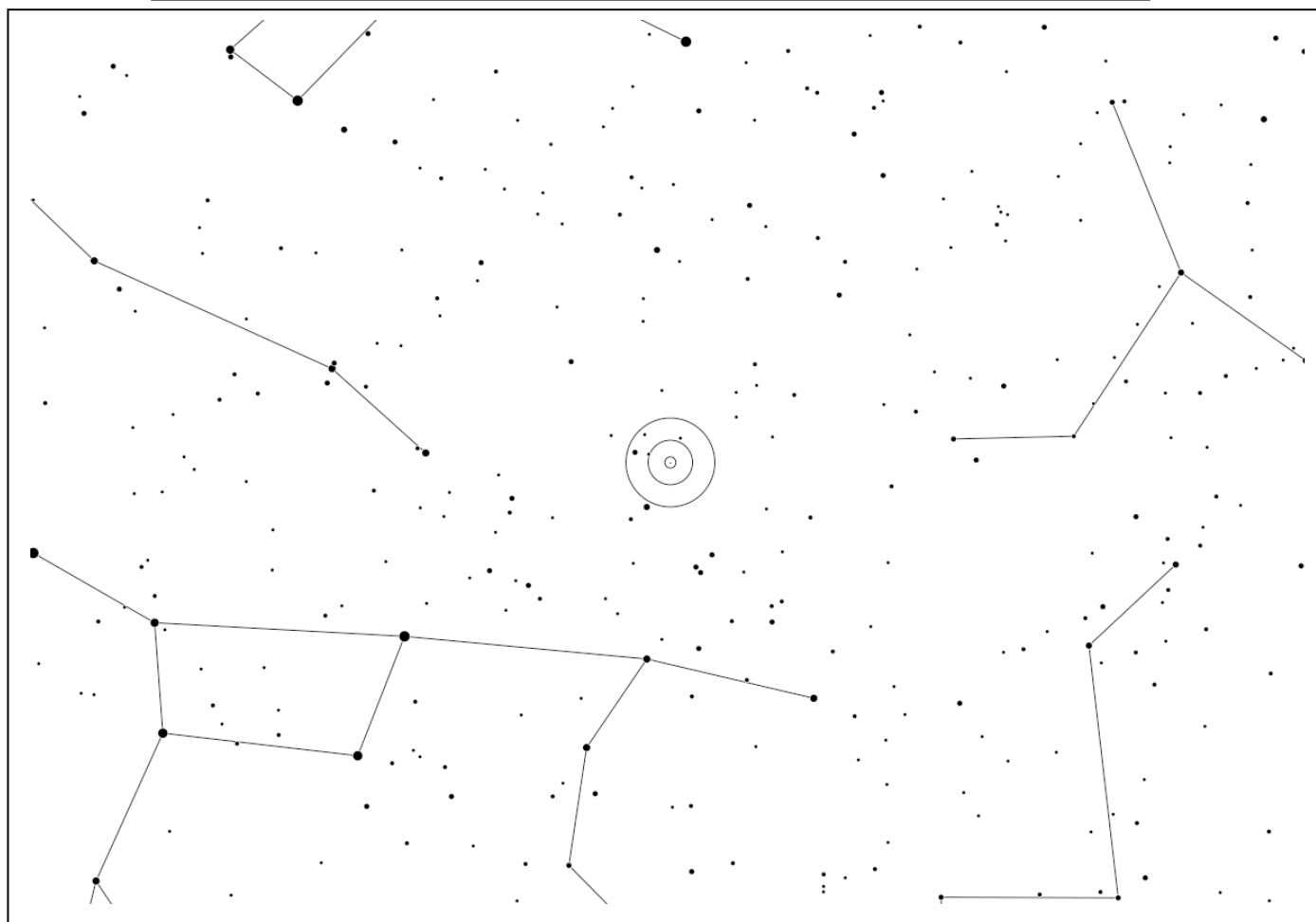
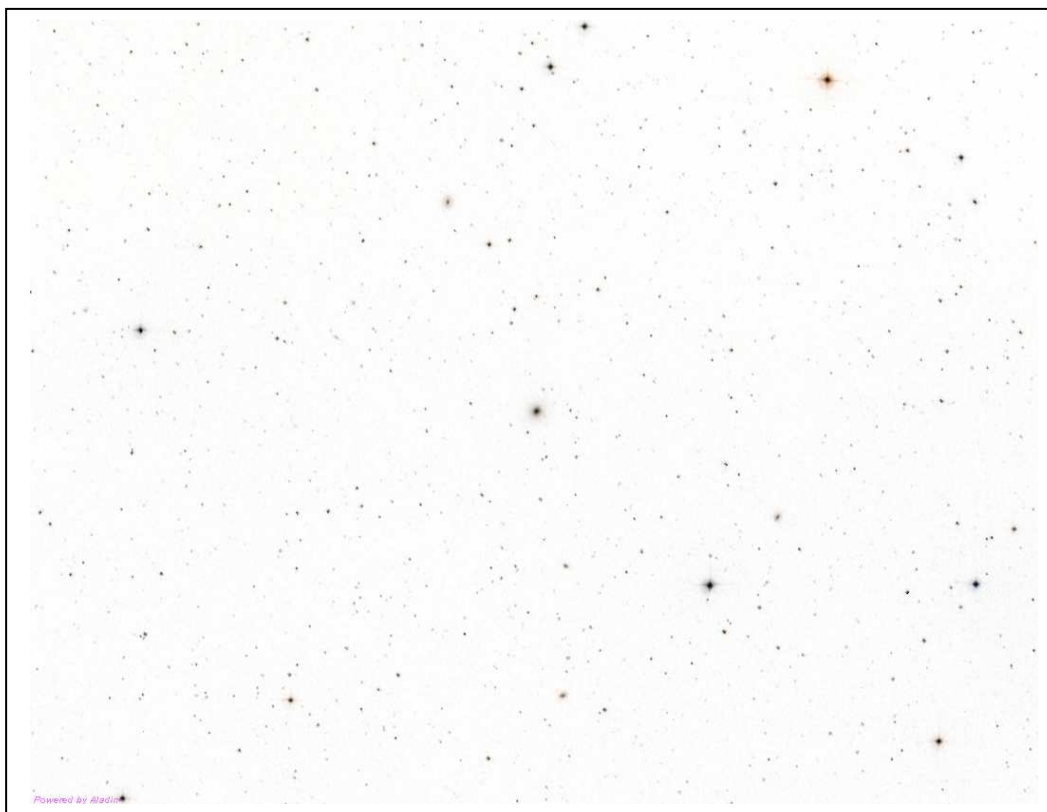
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2805	09h 20m 20.4s	+64° 06' 09"	Sc	6.3'X4.8'	11
2820	09h 21m 49.9s	+64° 15' 41"	SBc pec	4.3'X0.7'	12,7

NGC 2841



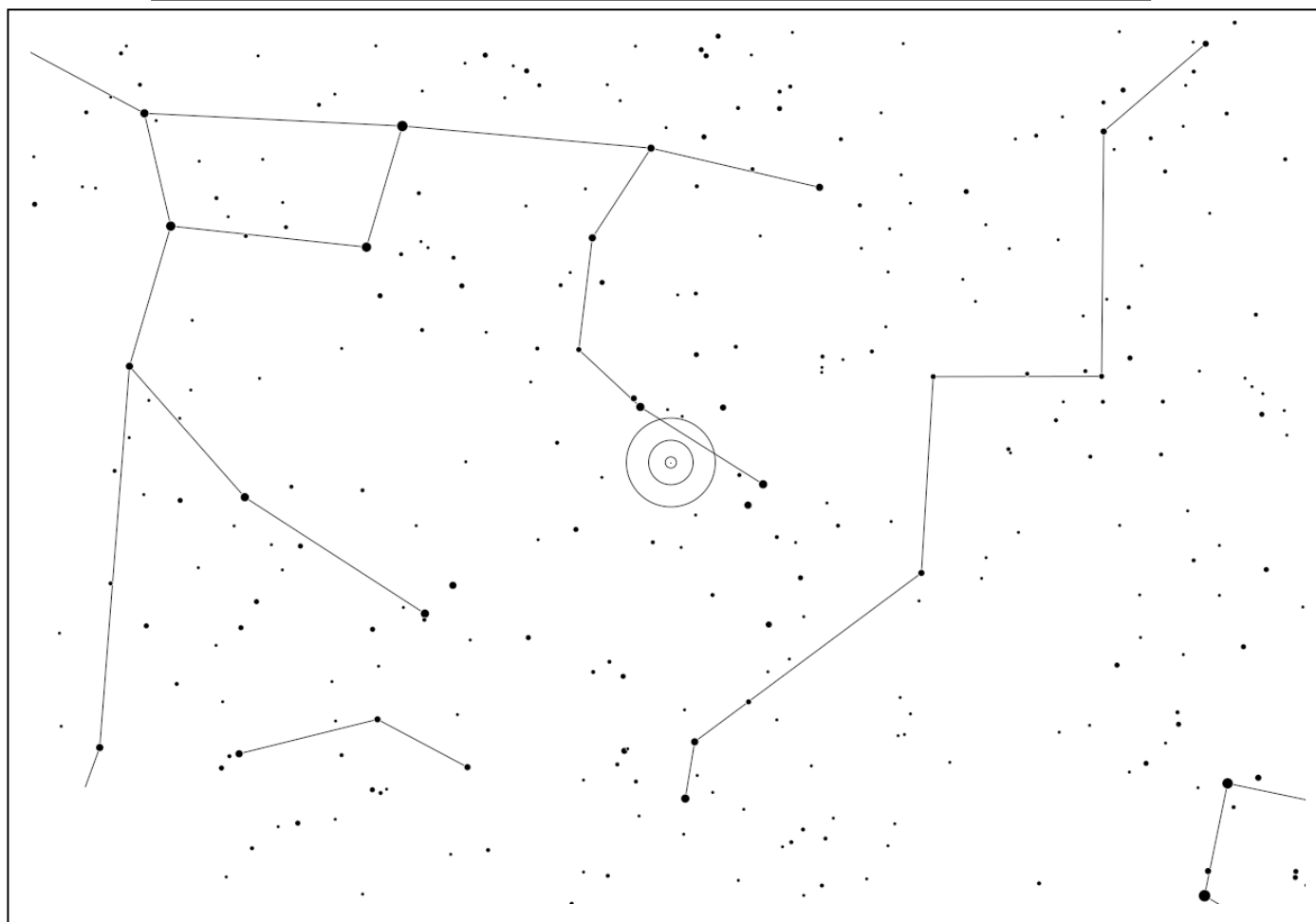
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2841	09h 22m 02.3s	+50° 58' 44"	Sb I	8.1'X3.5'	9,5

NGC 2810



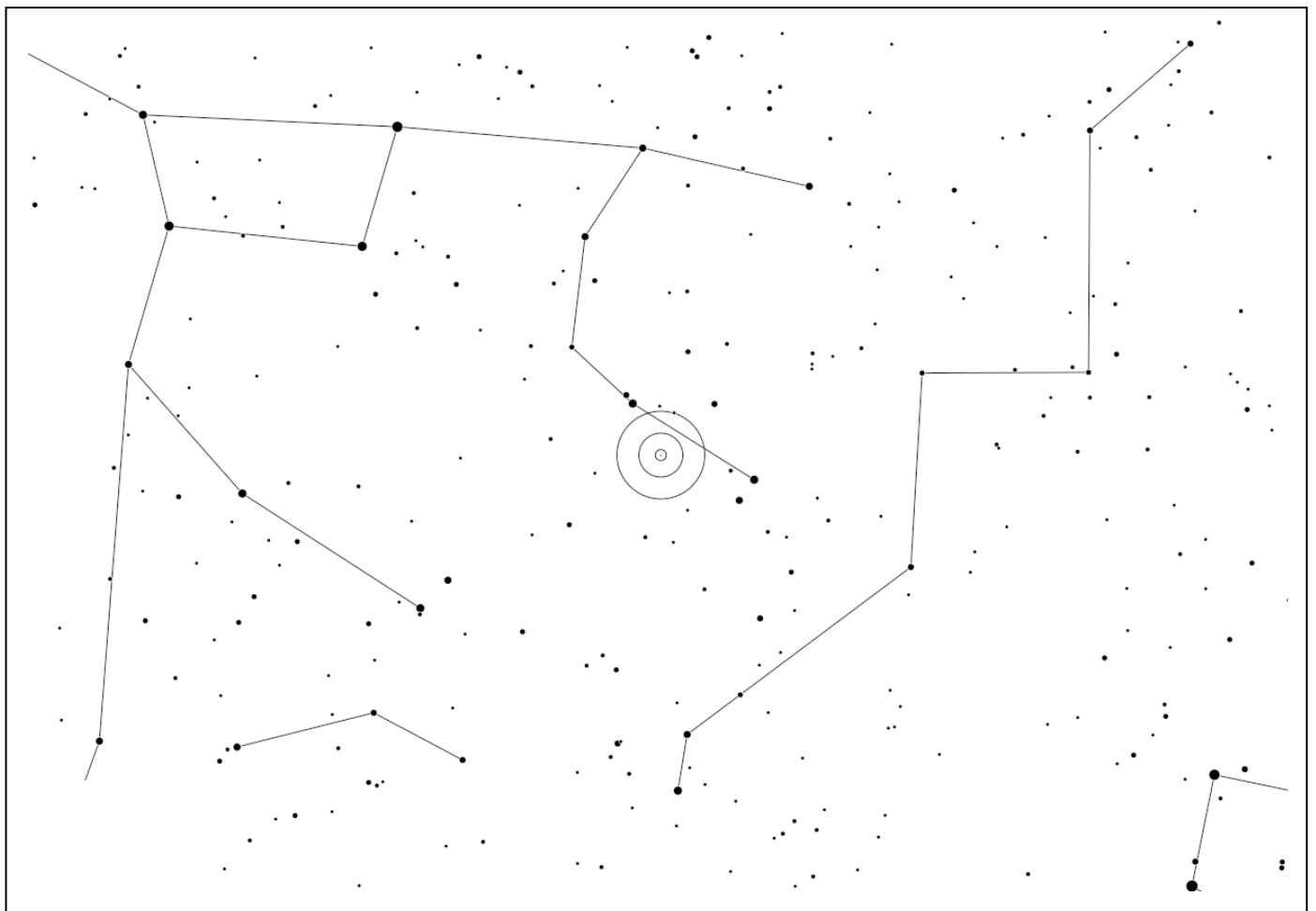
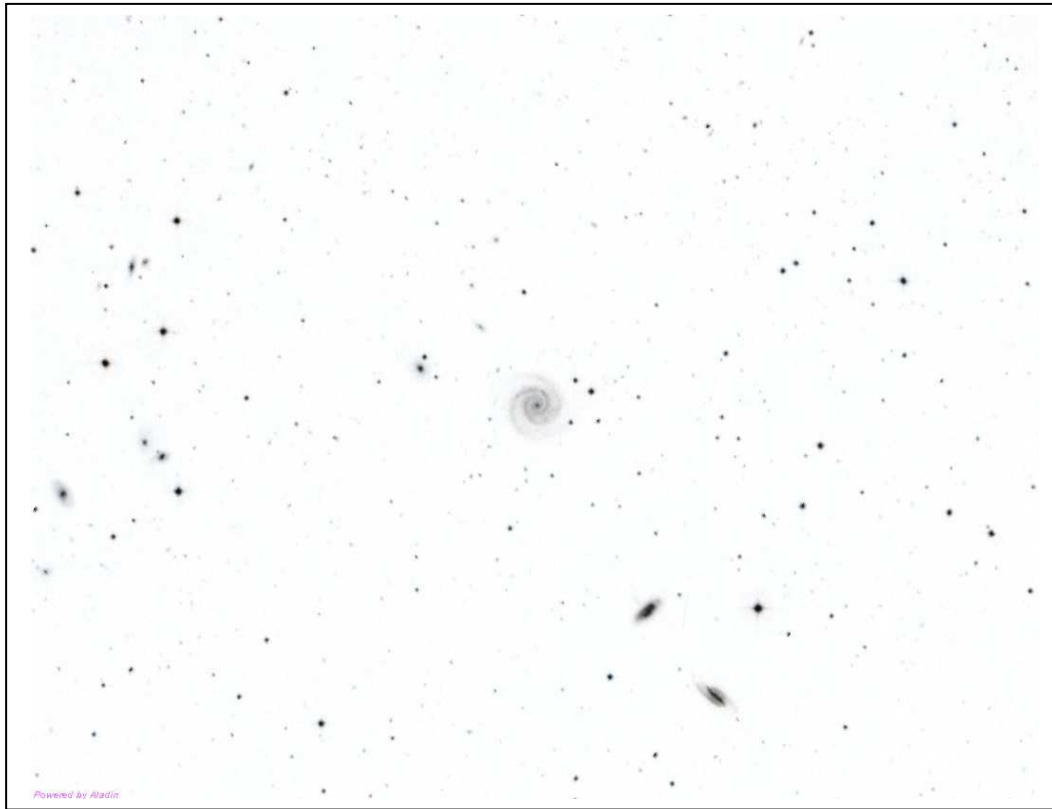
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2810	09h 22m 04.5s	+71° 50' 38"	E	1.7'X1.7'	12,3

NGC 2854 (ARP-285)-NGC 2856



NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2854 (ARP 285)	09h 24m 03.1s	+49° 12' 15"	SBb	1.7'X0.6'	13,2
2856	09h 24m 16.0s	+49° 14' 56"	S	1.1'X0.5'	13,2

NGC 2857 (ARP 1)

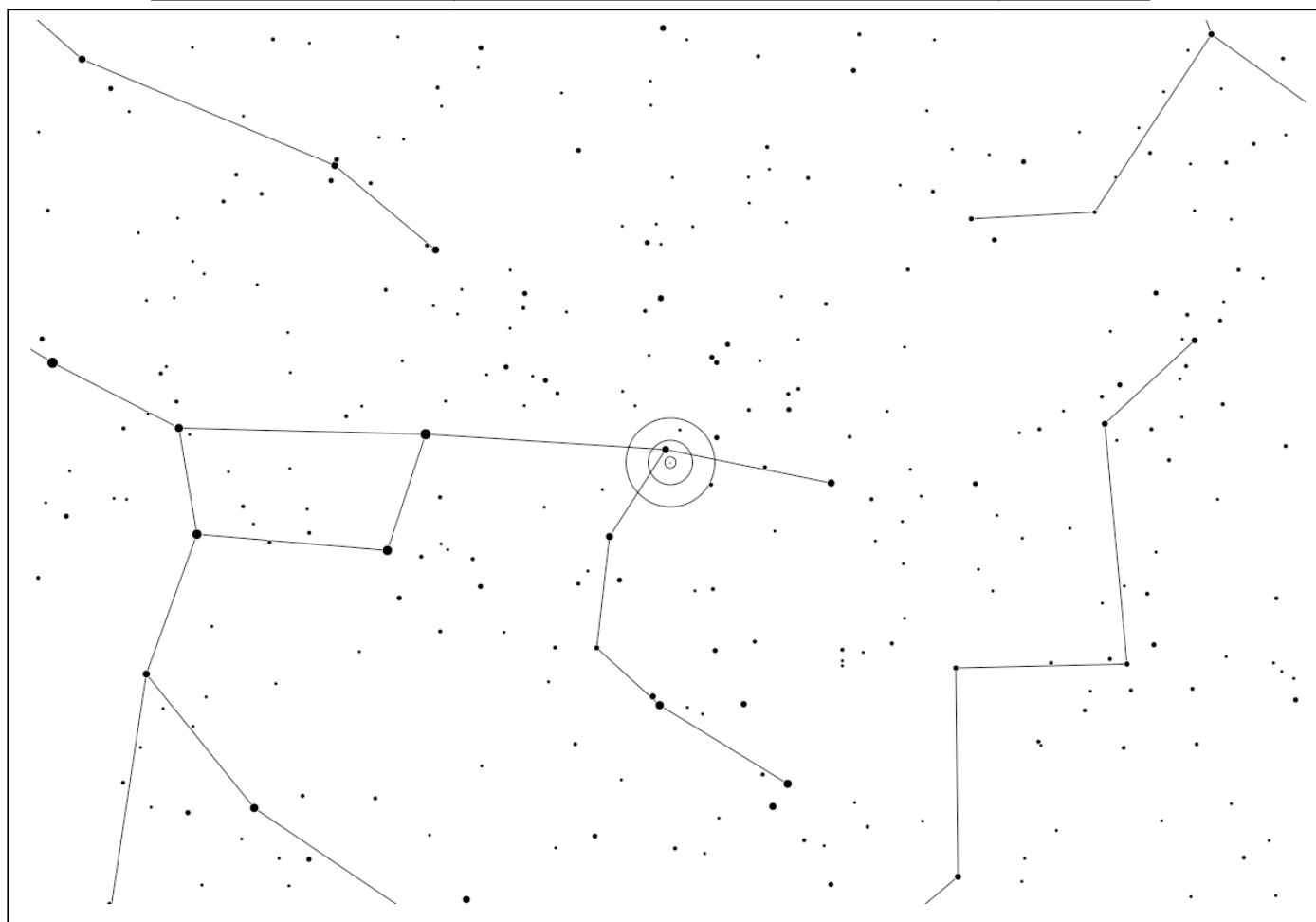


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2857(ARP 1)	09h 24m 37.8s	+49° 21' 25"	Sc	2.2'X2.0'	13,3

NGC 2880

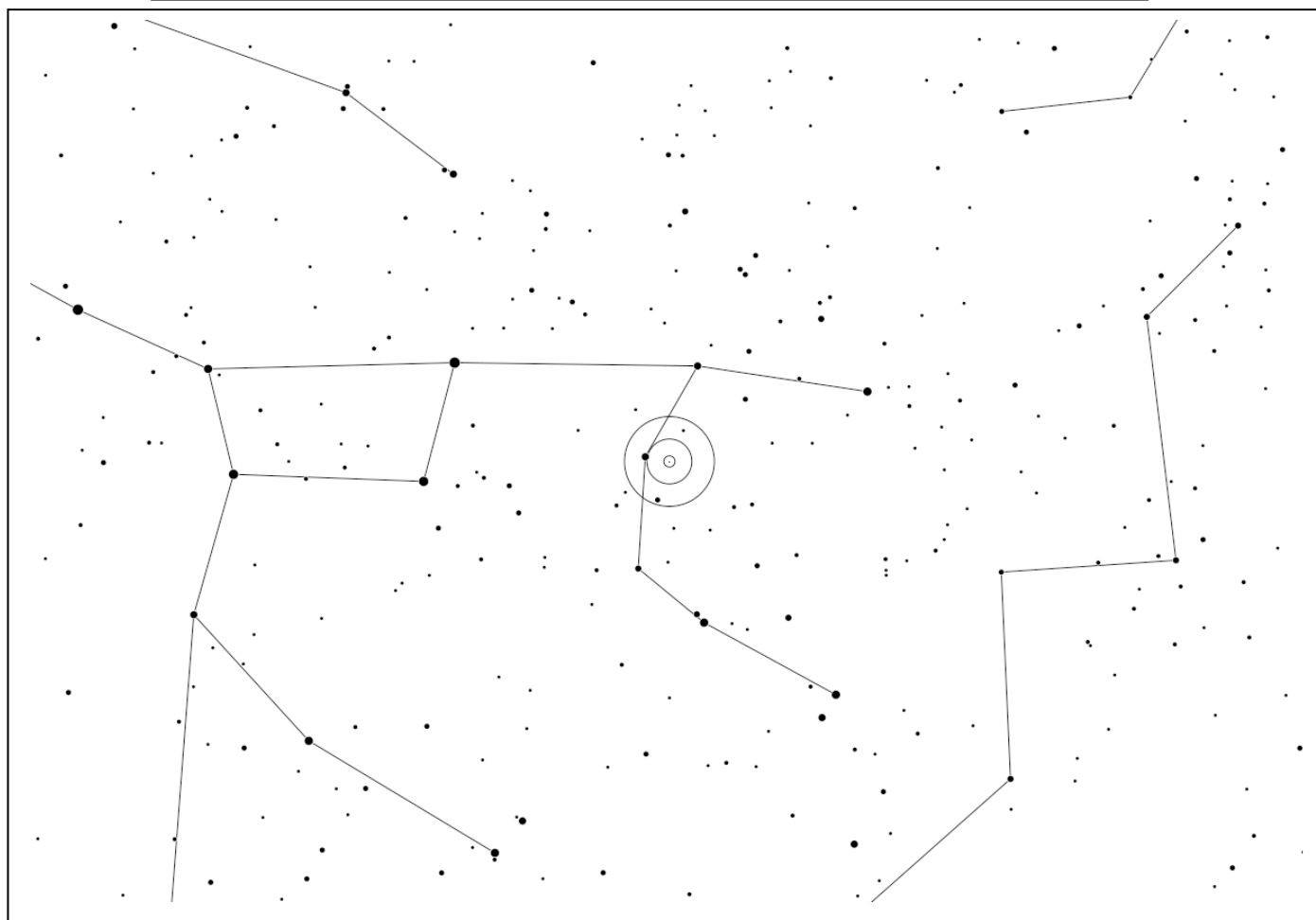


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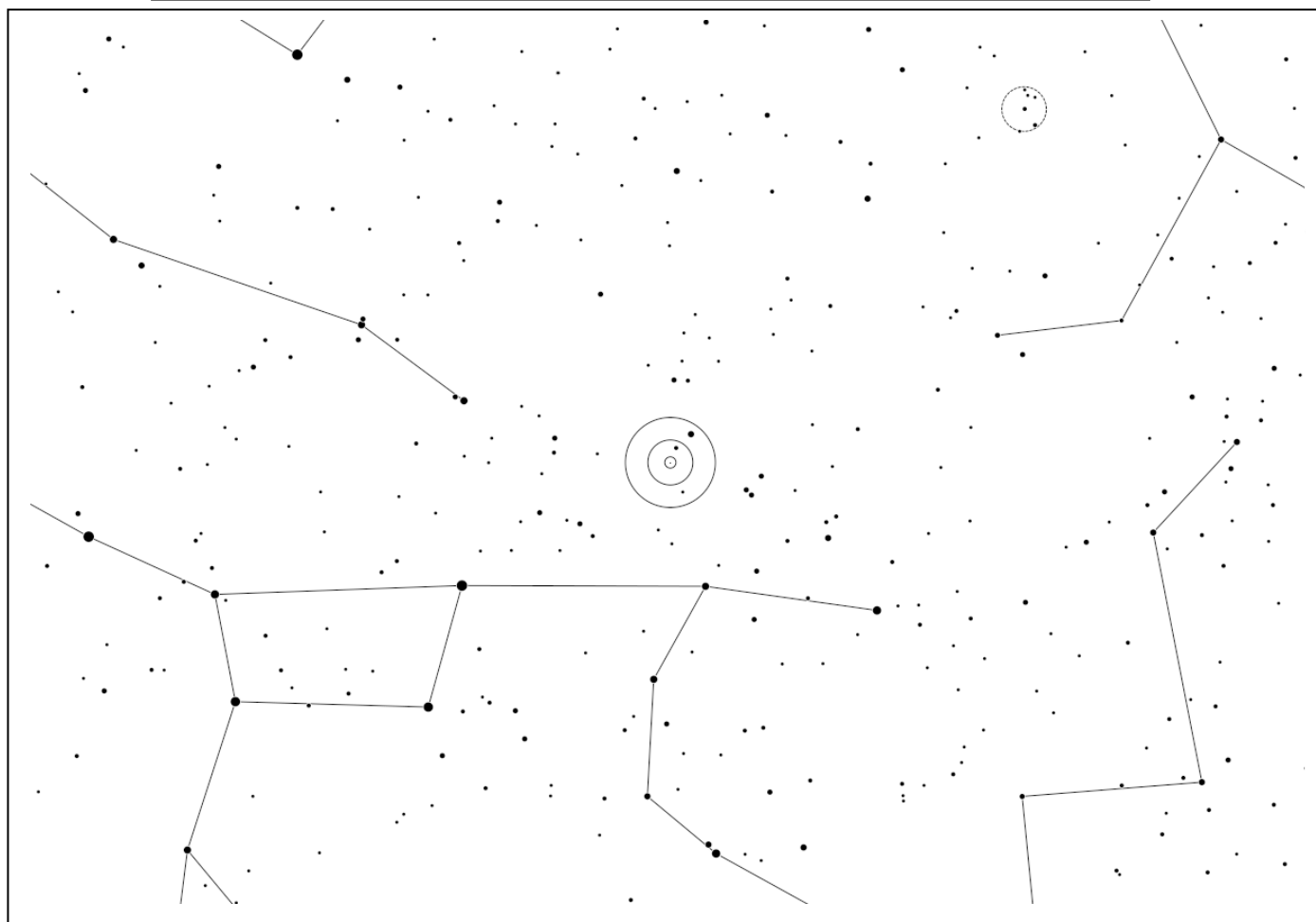
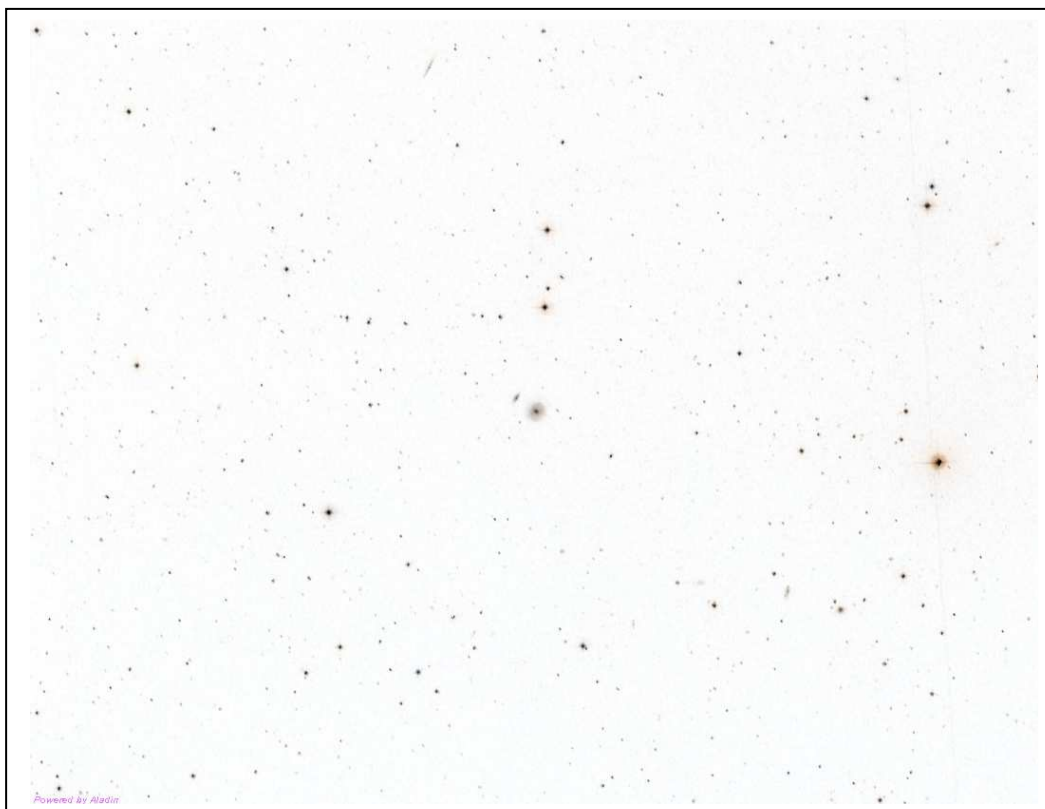
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2880	09h 29m 34.5s	+62° 29' 26"	SB0	2.0'X1.2'	11,7

NGC 2950



NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2950	09h 42m 35.1s	+58° 51' 04"	SB0	3.2'X2.1'	11

NGC 2959

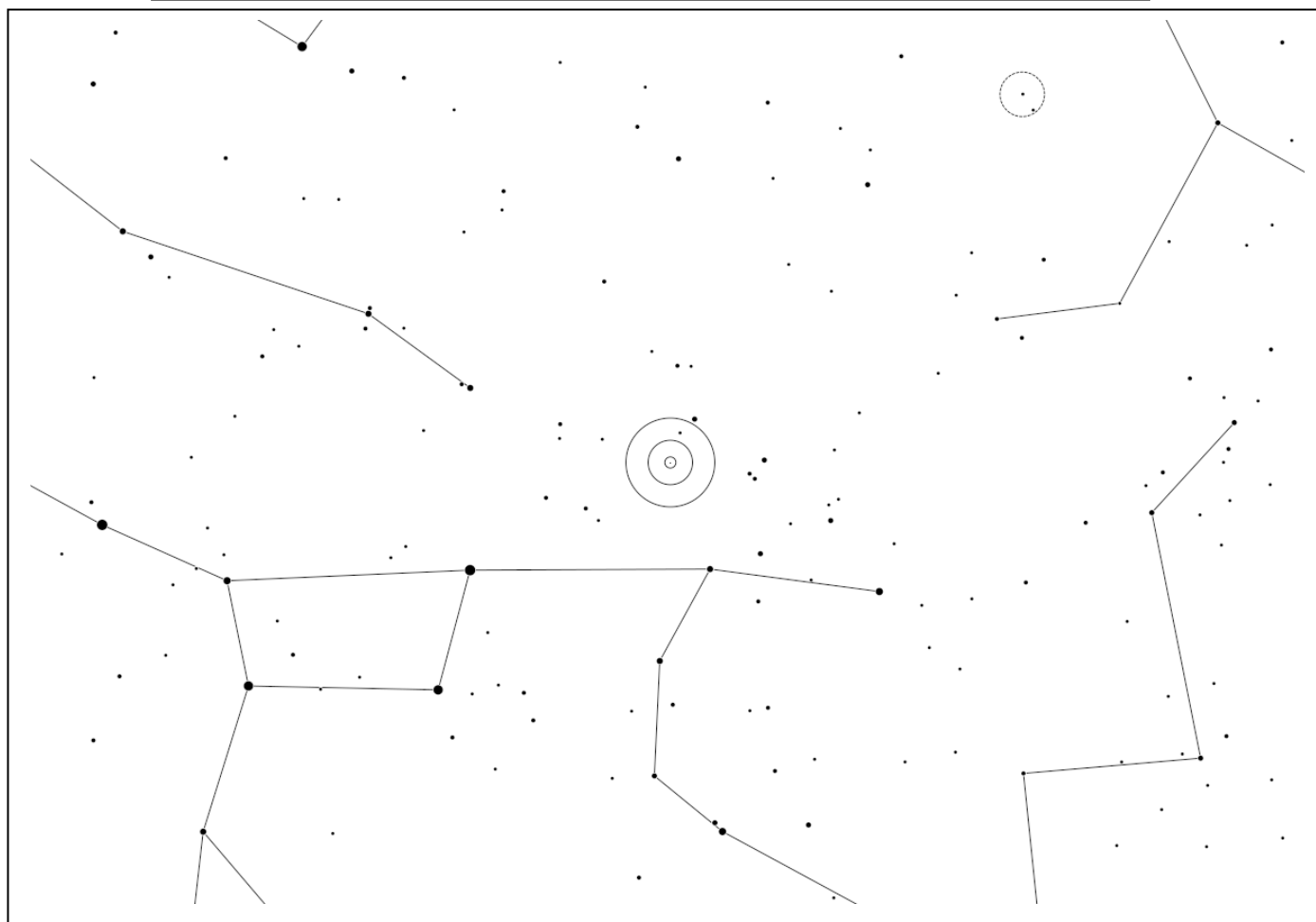


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2959	09h 45m 09.2s	+68° 35' 40"	Sa	1.3'X1.3'	13

NGC 2976

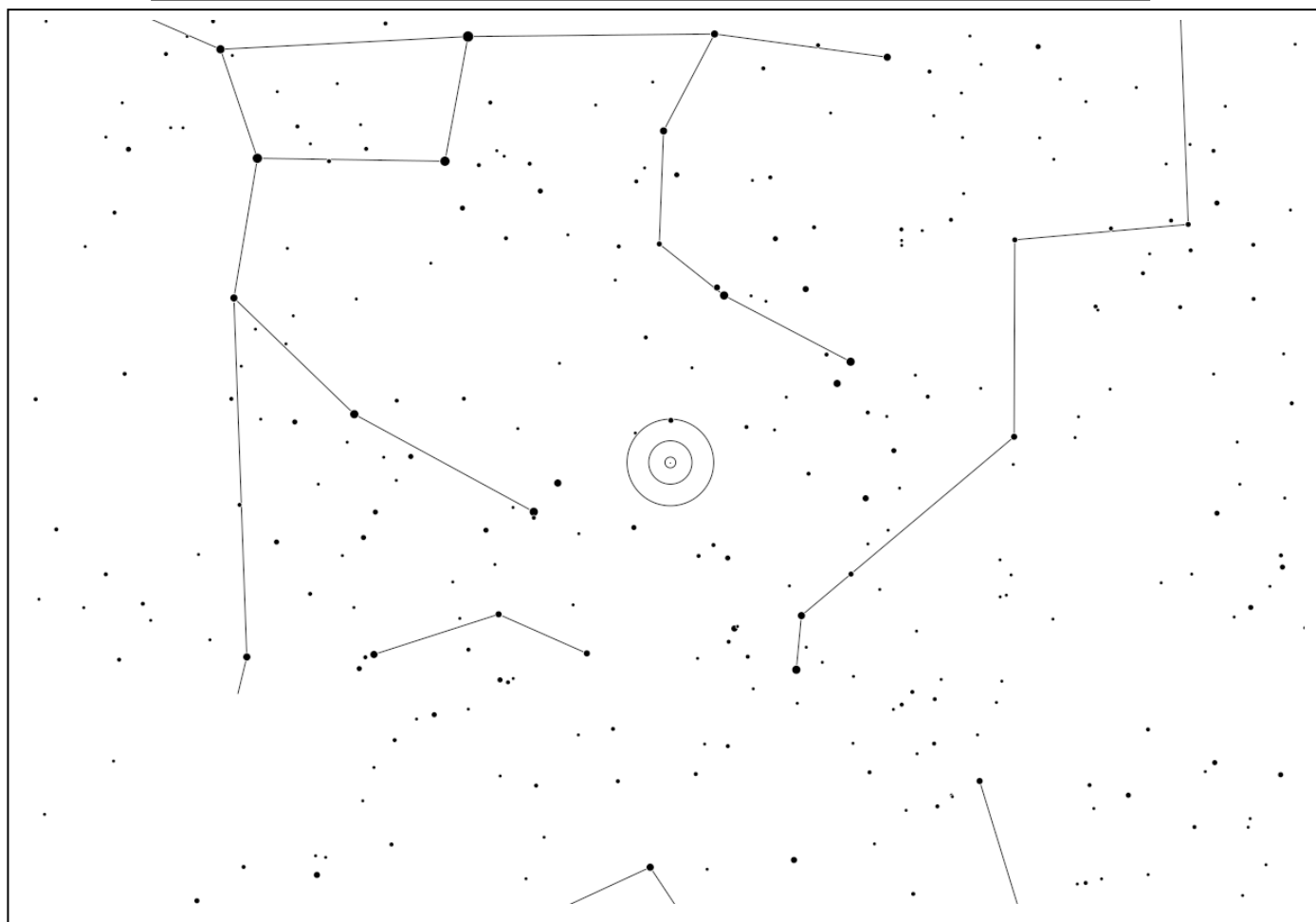
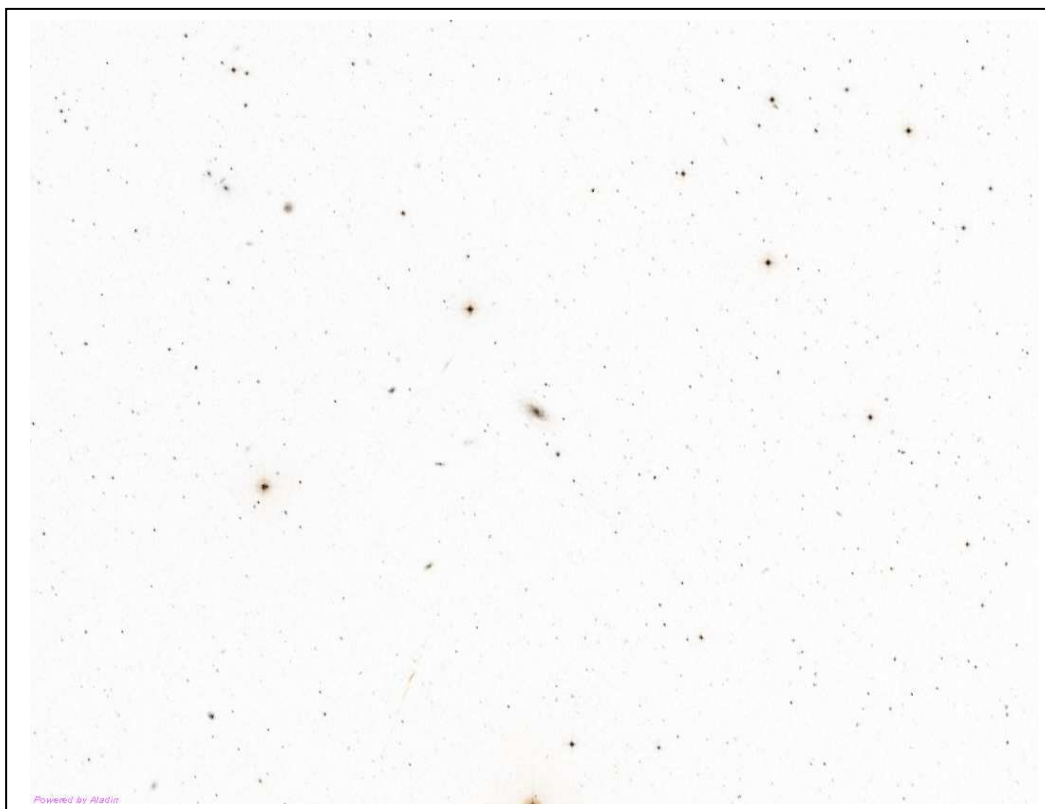


Powered by Aladin



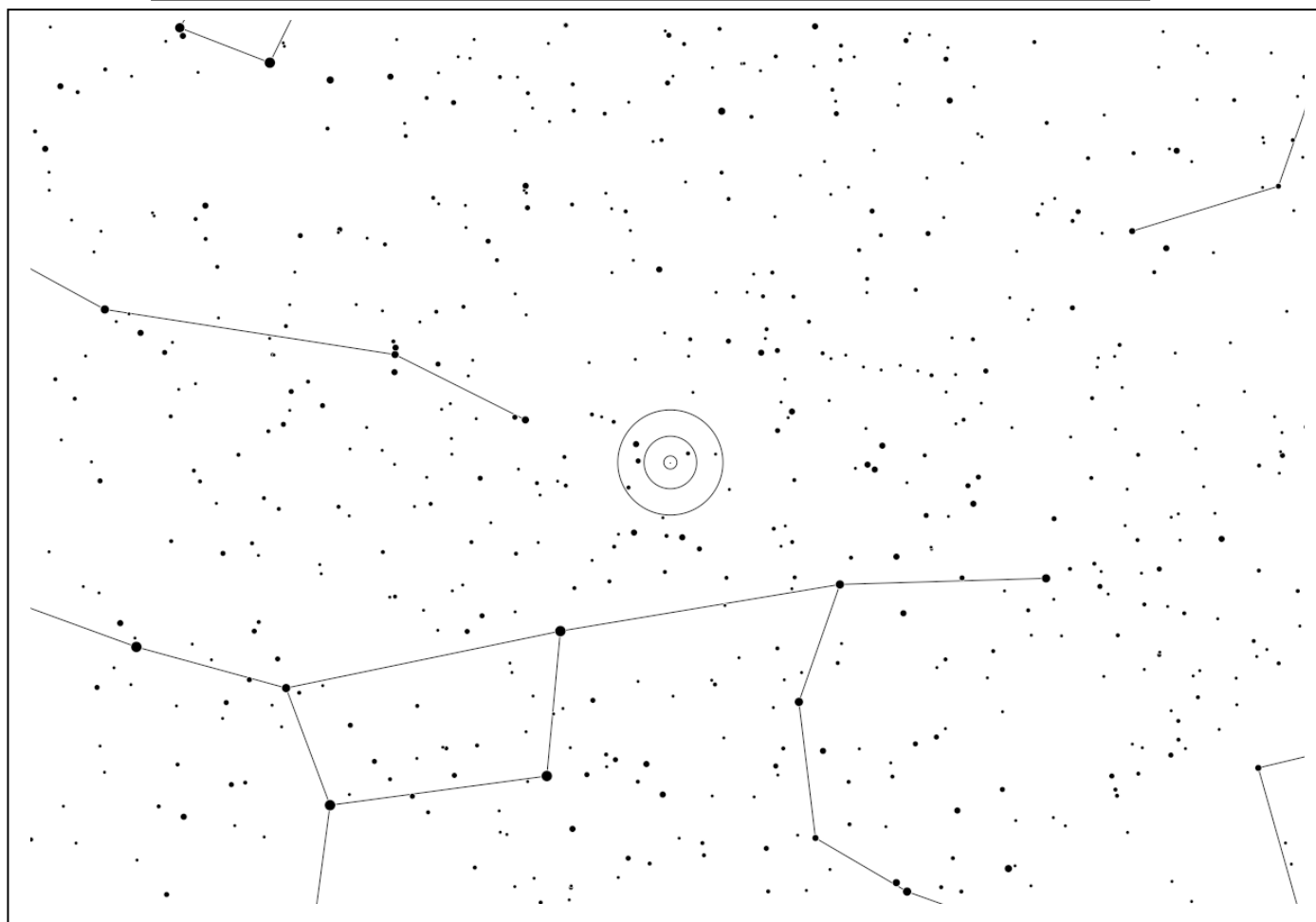
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2976	09h 47m 15.3s	+67° 54' 59"	Sc pec	5.9'X2.7'	10,6

NGC 2998



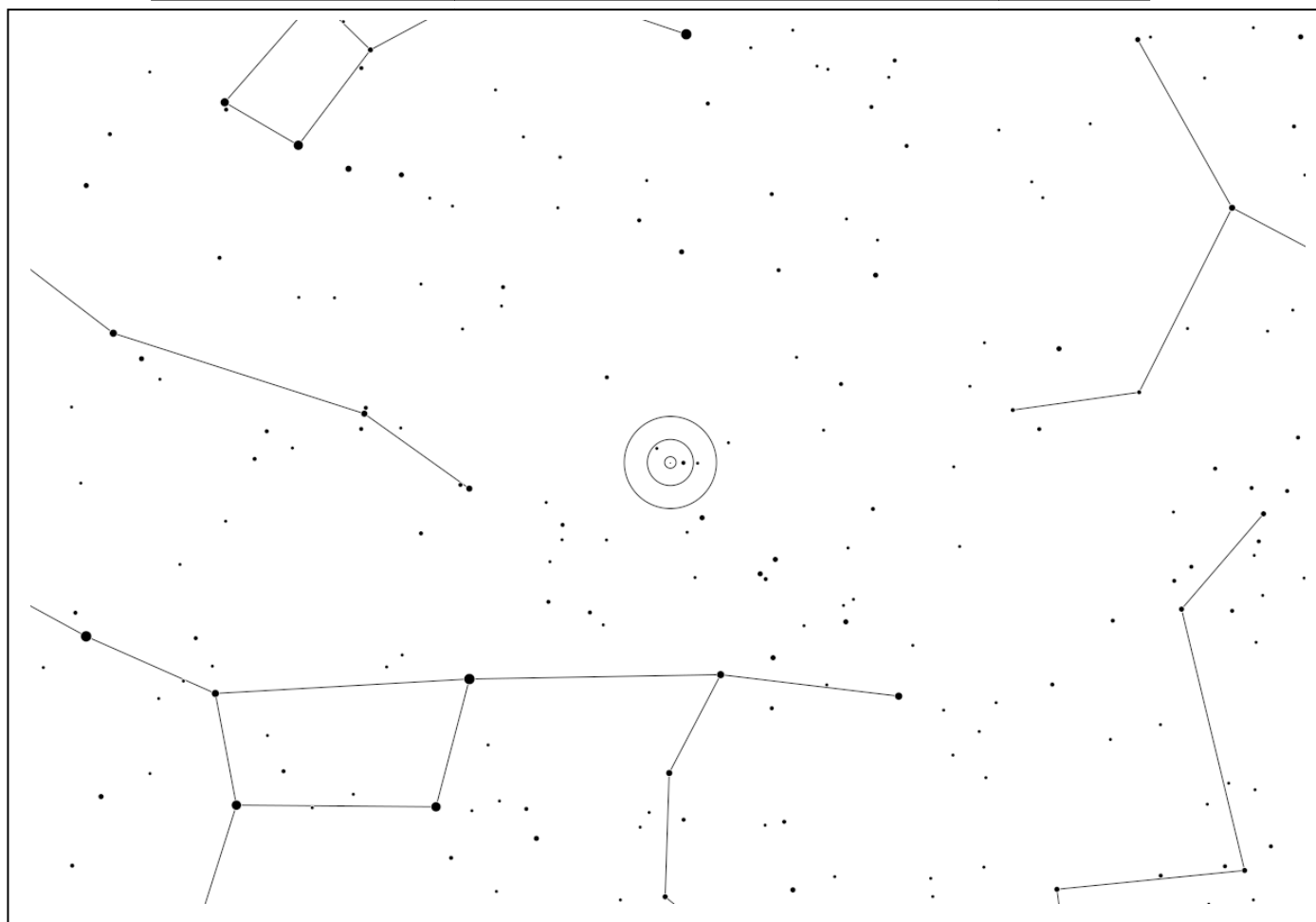
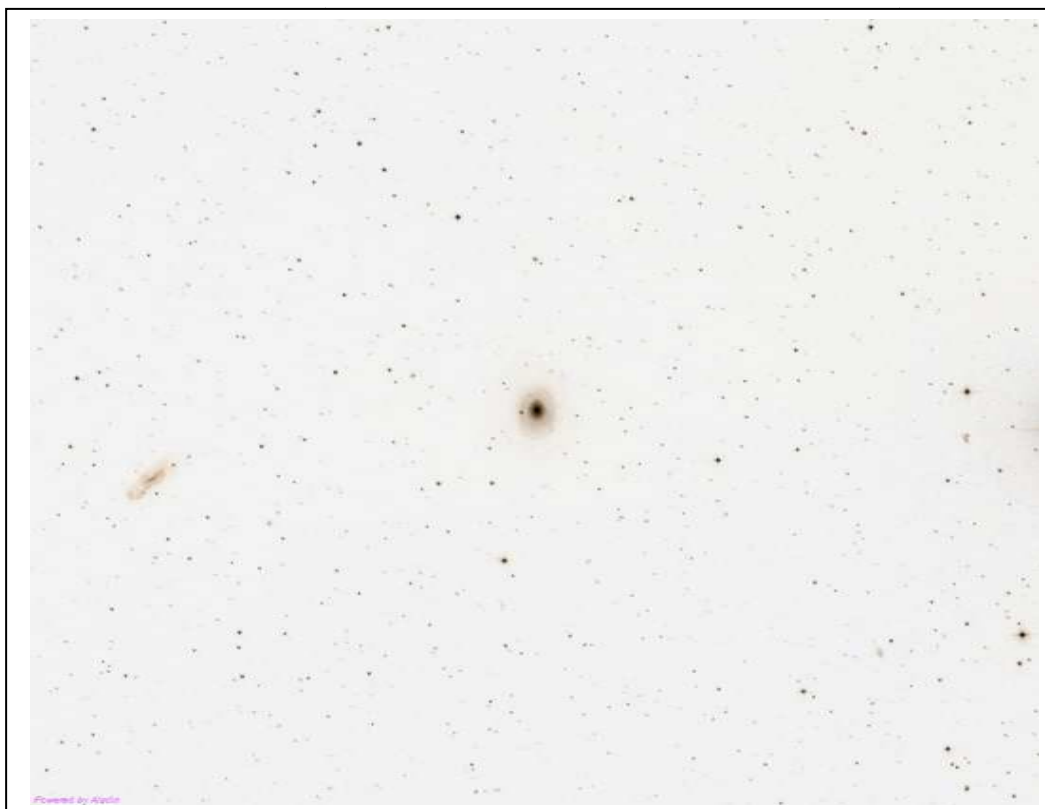
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2998	09h 48m 43.6s	+44° 04' 51"	Sc II	2.9'X1.3'	12,4

IC 2574 –Goddington's Nebula



NAME	RA(2000)	DEC(2000)	Classification	Size	Magnitude
IC 2574	10h 28m 23.1s	+68° 25' 00"	Sab	10.8'X5.3'	10,8

NGC 2985 - NGC 3027

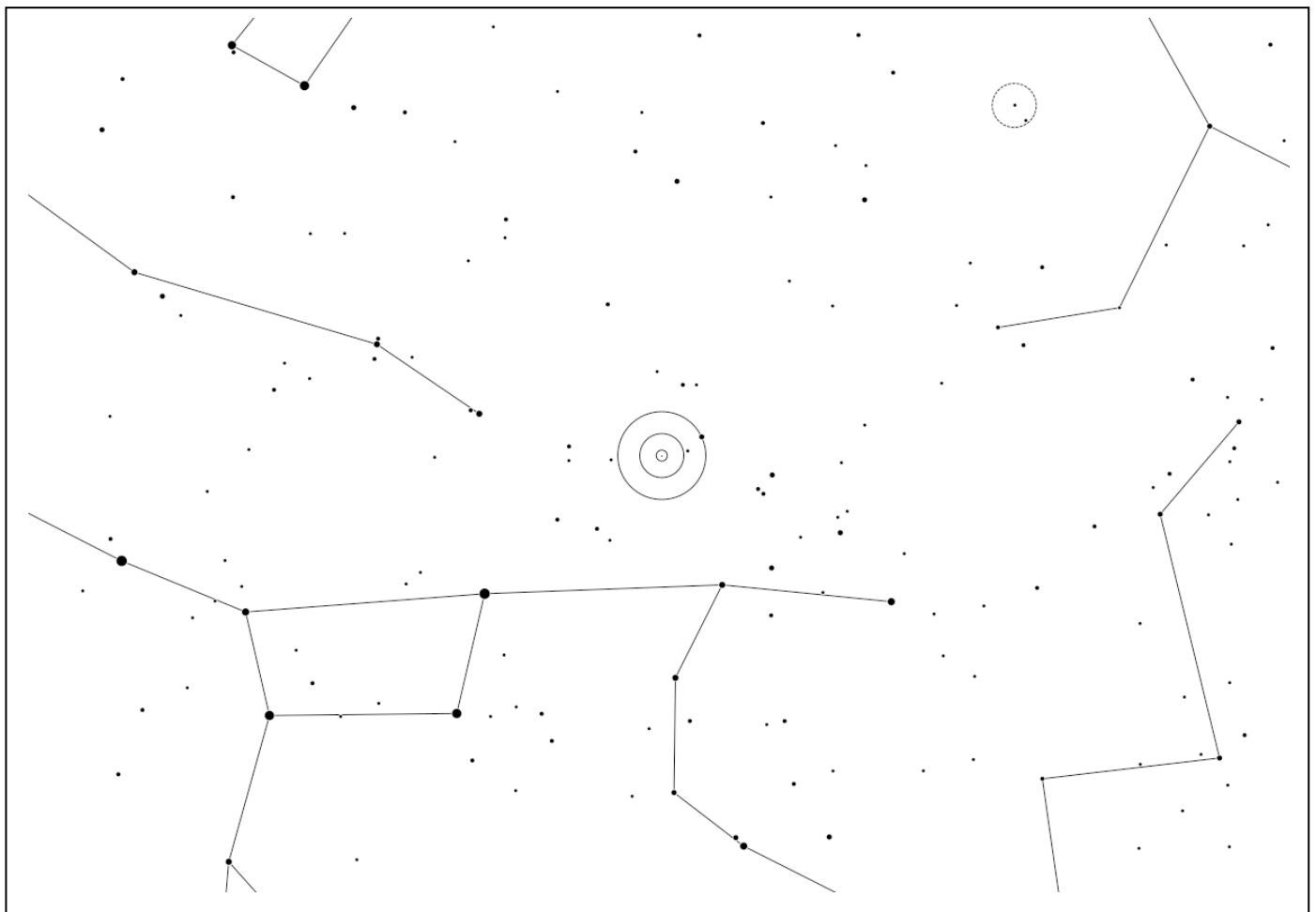


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
2985	09h 50m 21.8s	+72° 16' 47"	Sb I	4.6'X3.6'	10,5
3027	09h 55m 40.4s	+72° 12' 13"	SBc III	4.3'X2.0'	11,7

M81 (NGC 3031)- M82(NGC 3034)

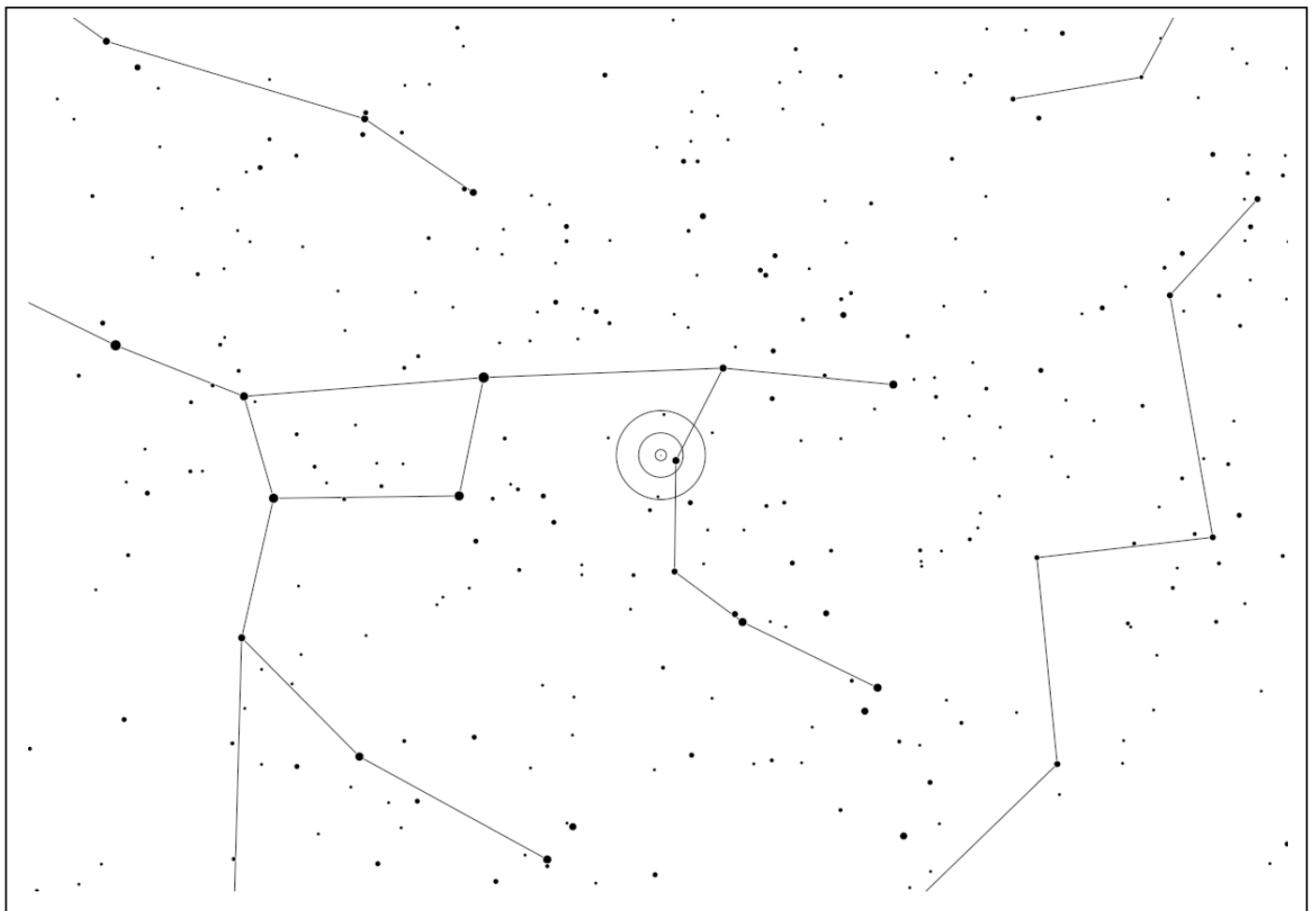


Powered by Aladin



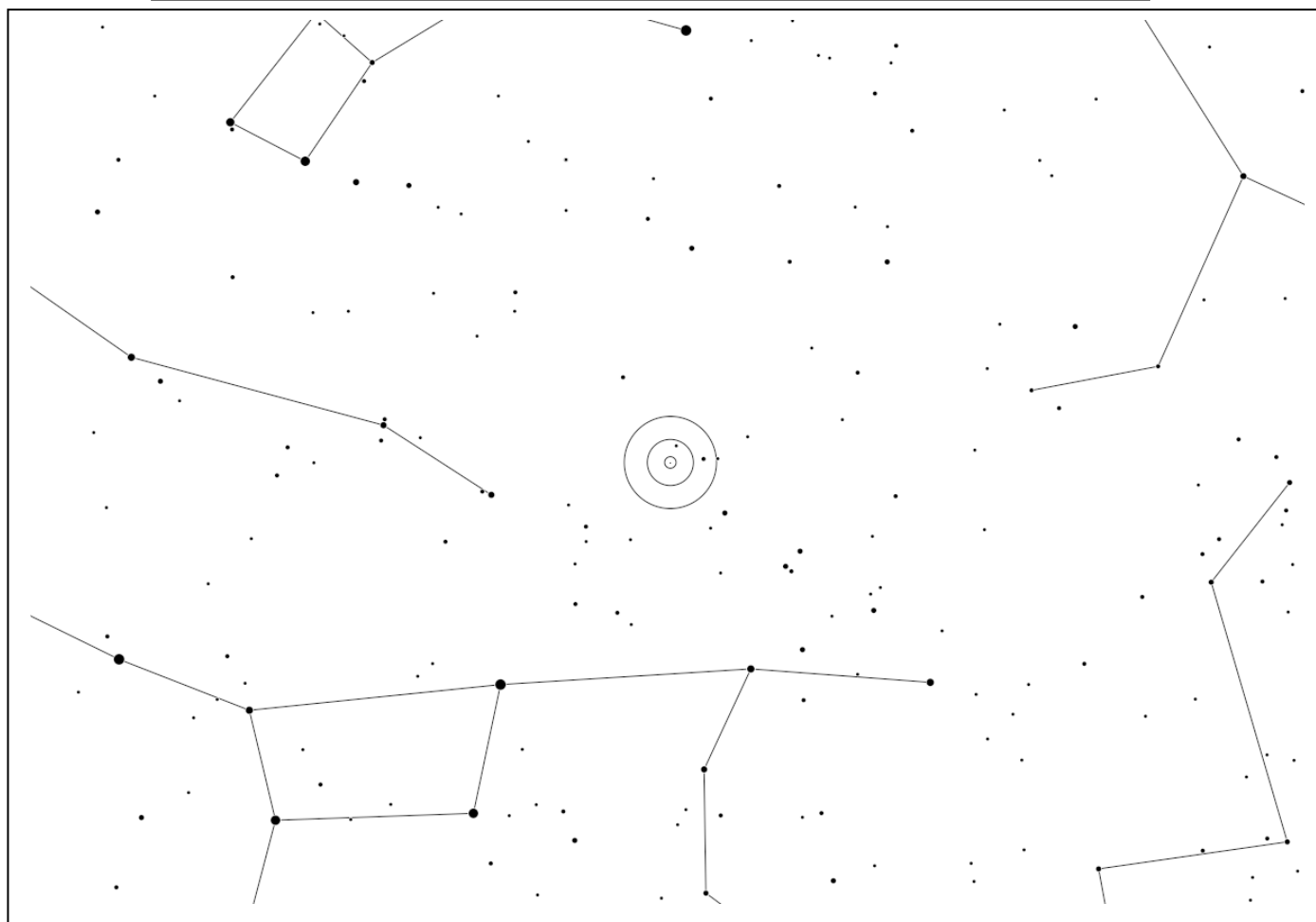
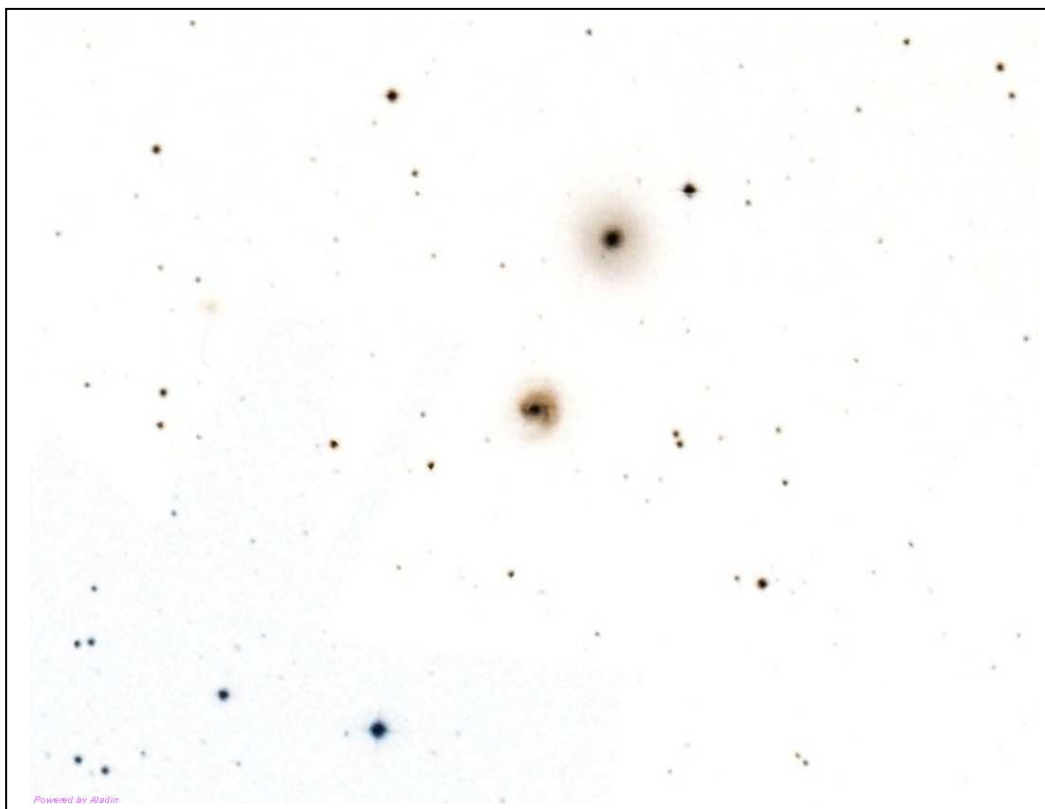
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3031	09h 55m 32.9s	+69° 03' 55"	Sb I-II	26.9'X14.1'	7,3
3034	09h 55m 50.7s	+69° 40' 43"	Irr	11'X4.6'	8,9

NGC 3043



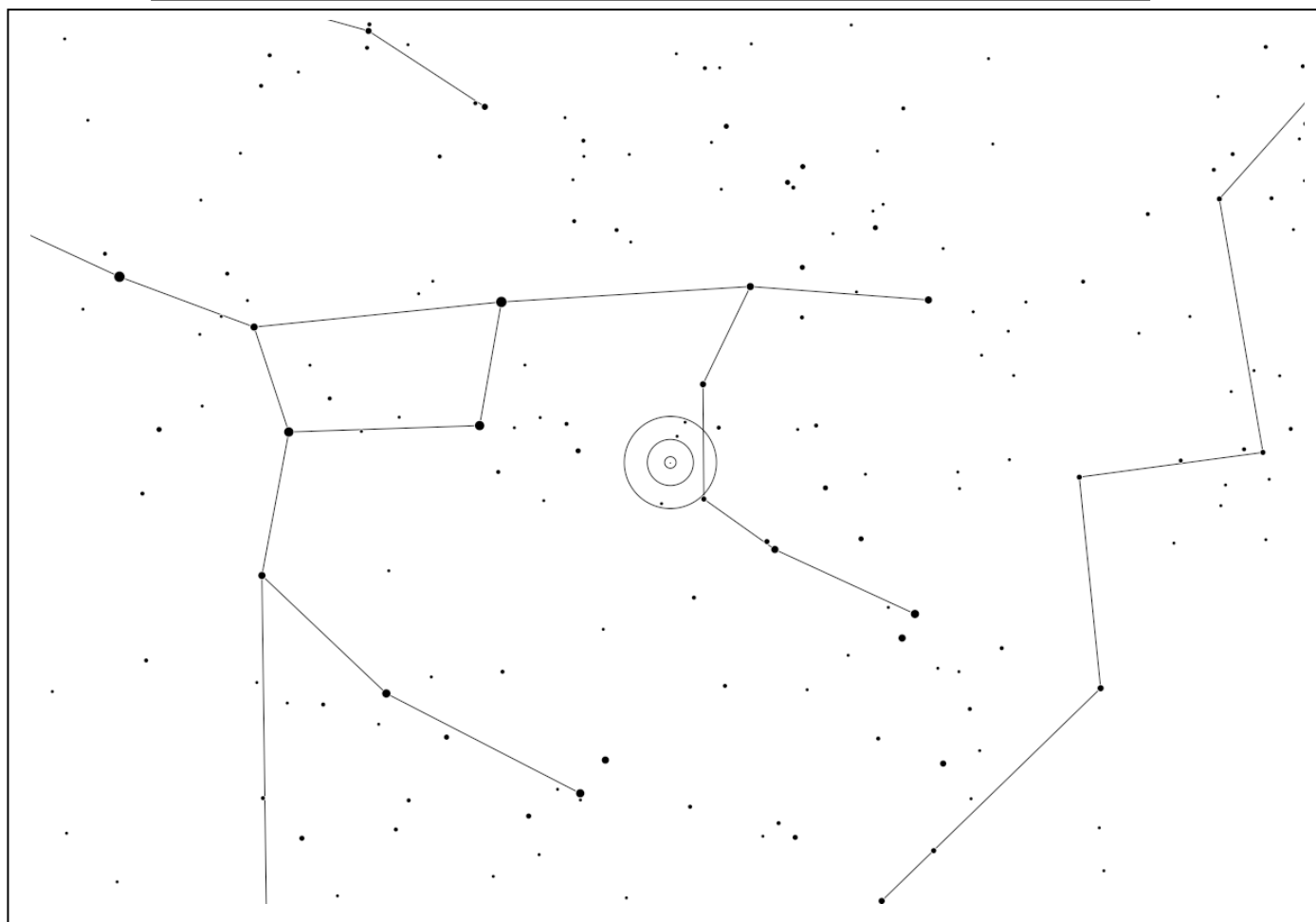
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3043	09h 56m 14.6s	+59° 18' 24"	Sb	1.7'X0.6'	12,8

NGC 3065-NGC3066



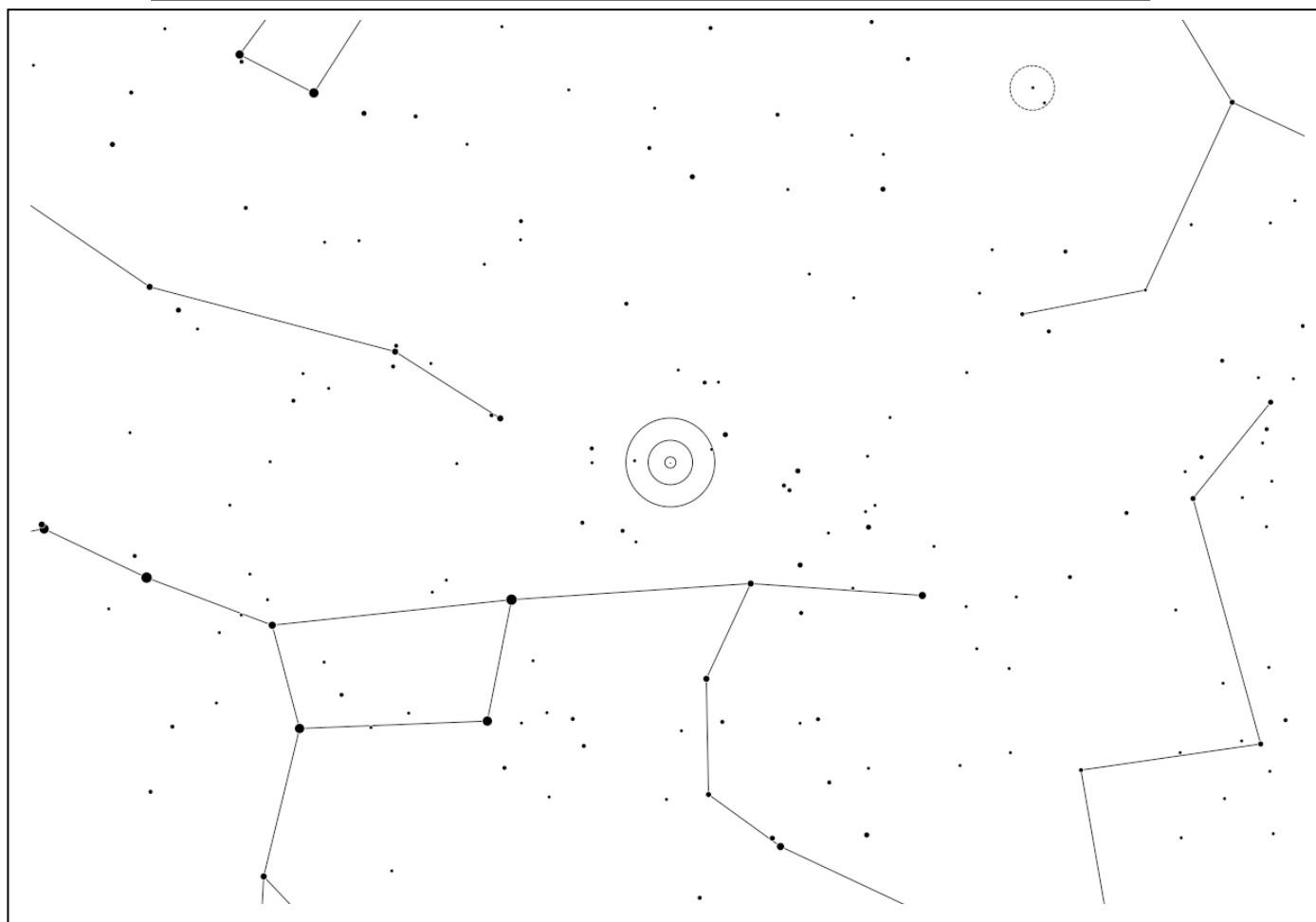
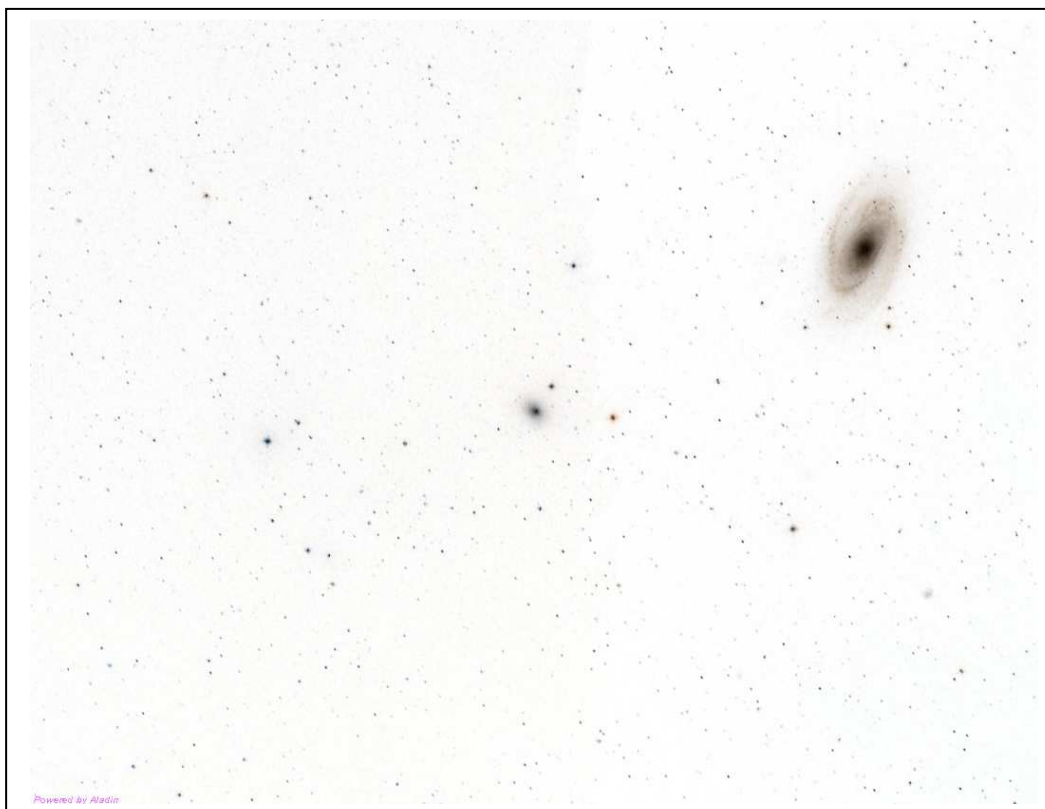
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3065	10h 01m 55.3s	+72° 10' 13"	S0	2.0'X1.9'	11,9
3066	10h 02m 11.0s	+72° 07' 31"	SBb/P	1.1'X1.0'	12,5

NGC 3079 – NGC 3073



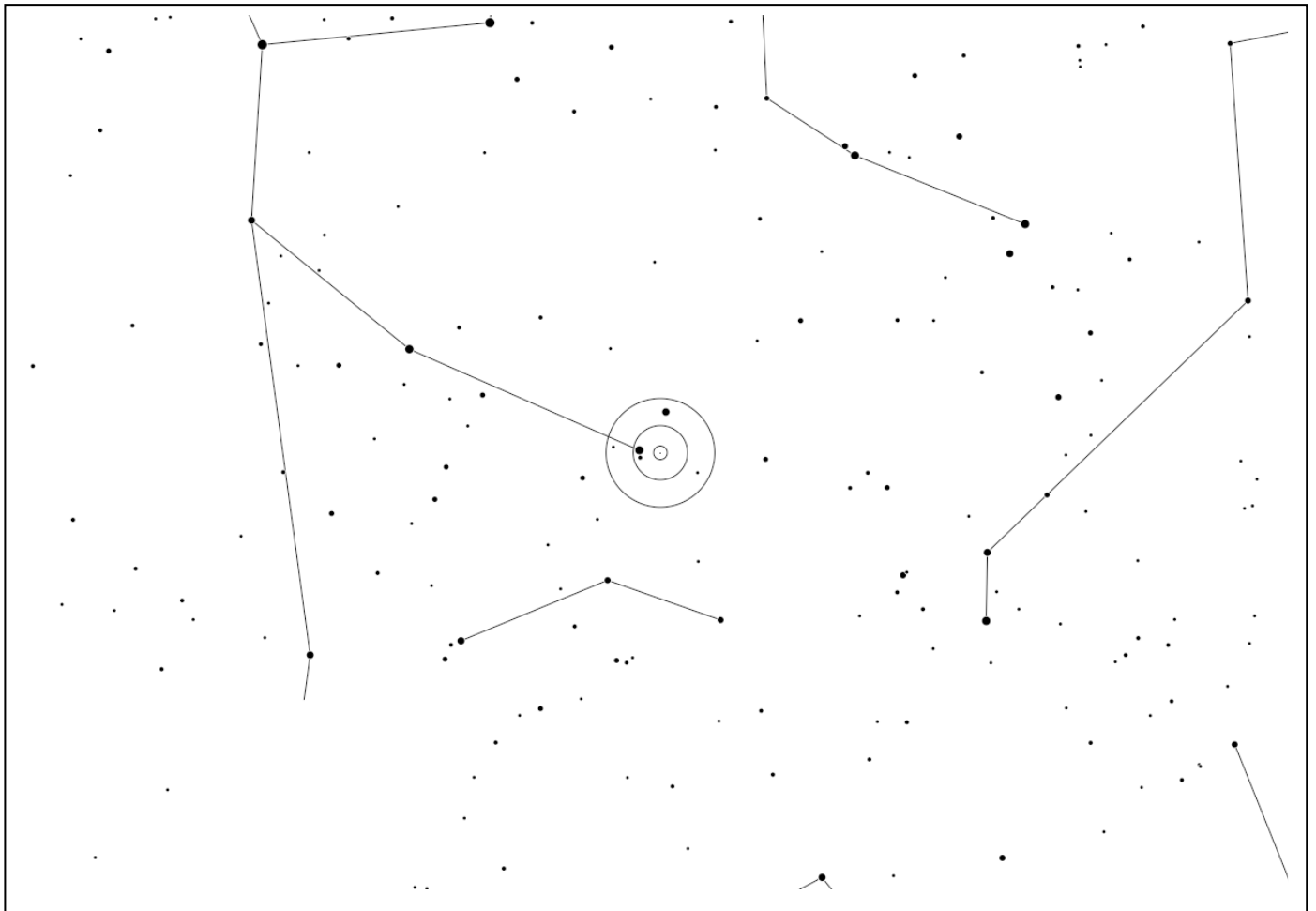
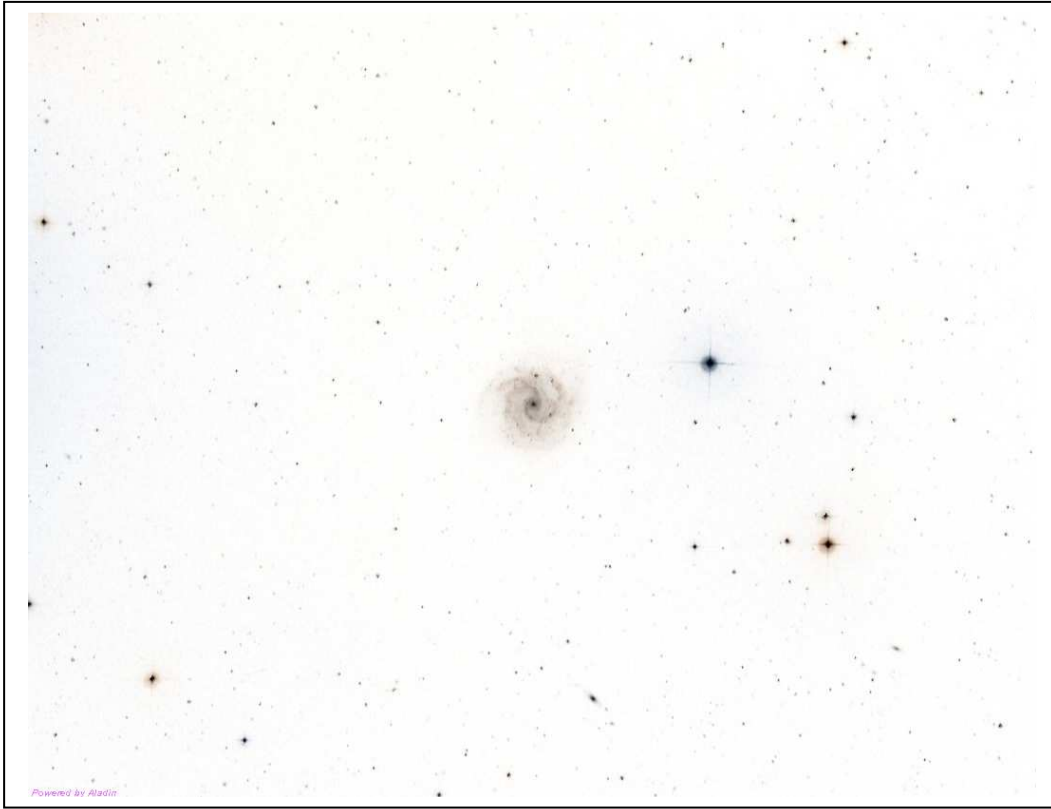
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3079	10h 01m 57.3s	+55° 40' 54"	Sb II	7.9'X1.4'	10,8
3073	10h 00m 52.1s	+55° 37' 06"	S0	1.3'X1.2'	12,8

NGC 3077



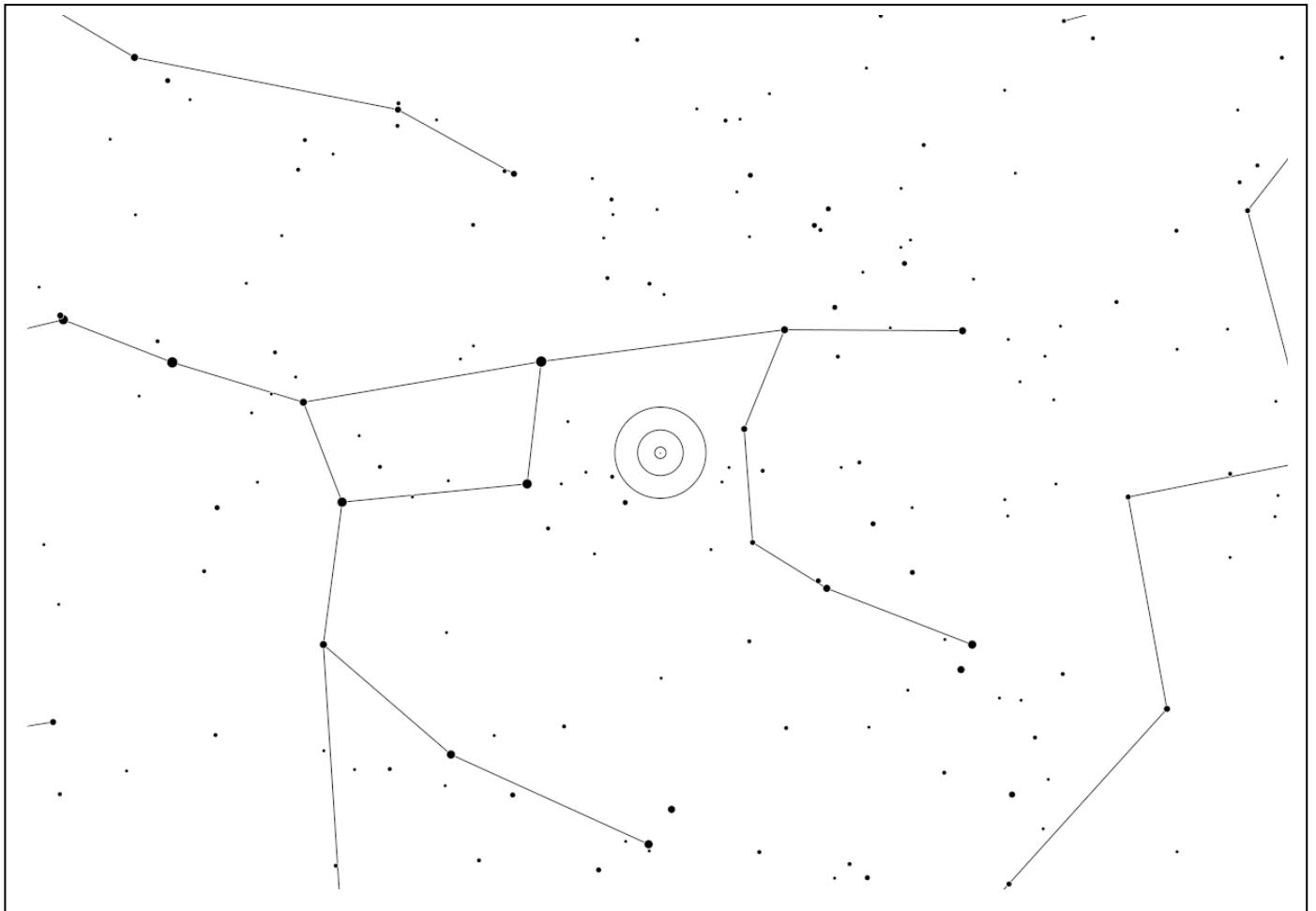
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3077	10h 03m 20.4s	+68° 44' 02"	Irr II	5.4'X4.5'	10,5

NGC 3184



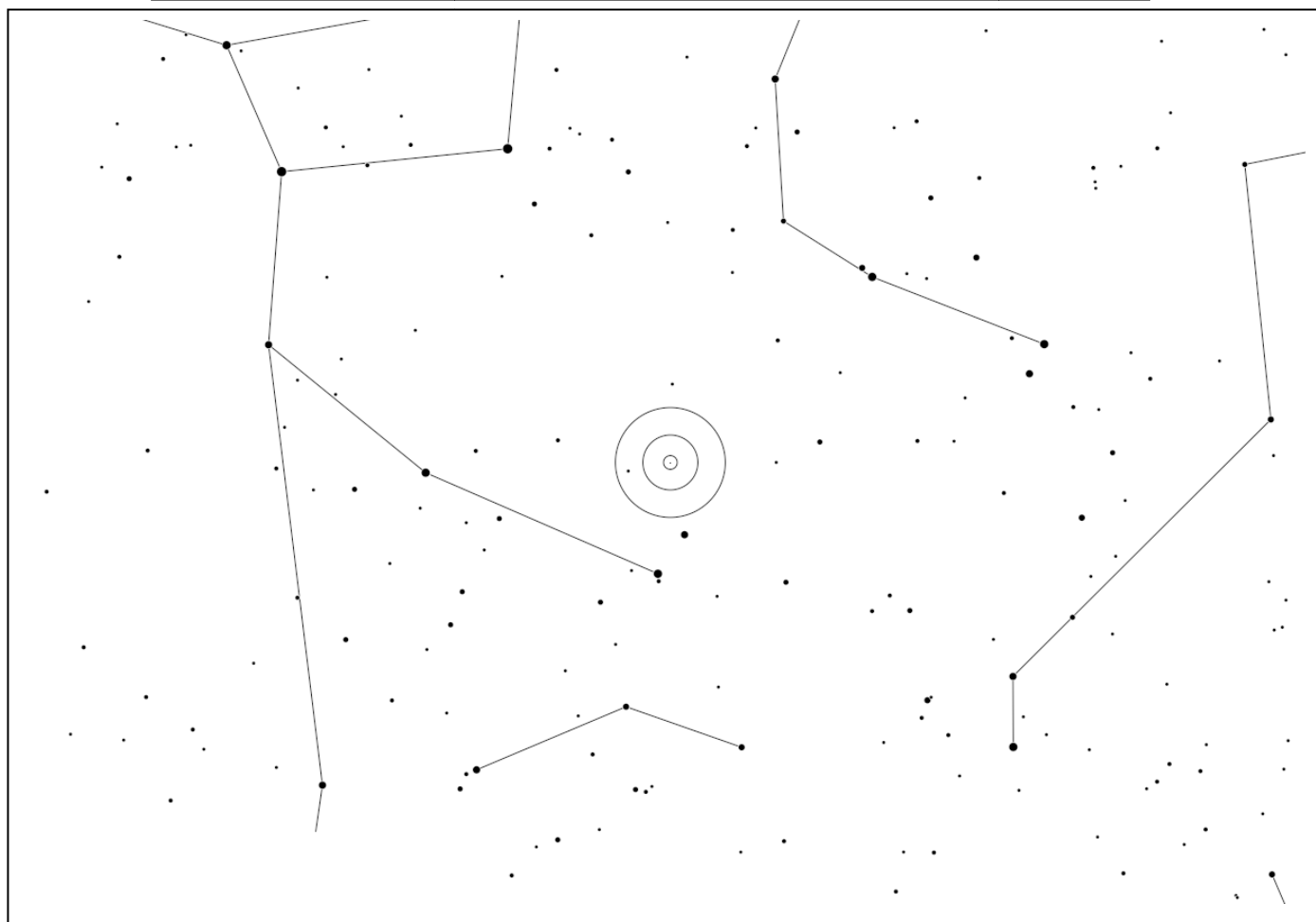
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3184	10h 18m 17.0s	+41° 25' 27"	Sc II	7.4'X6.9'	9,9

NGC 3182



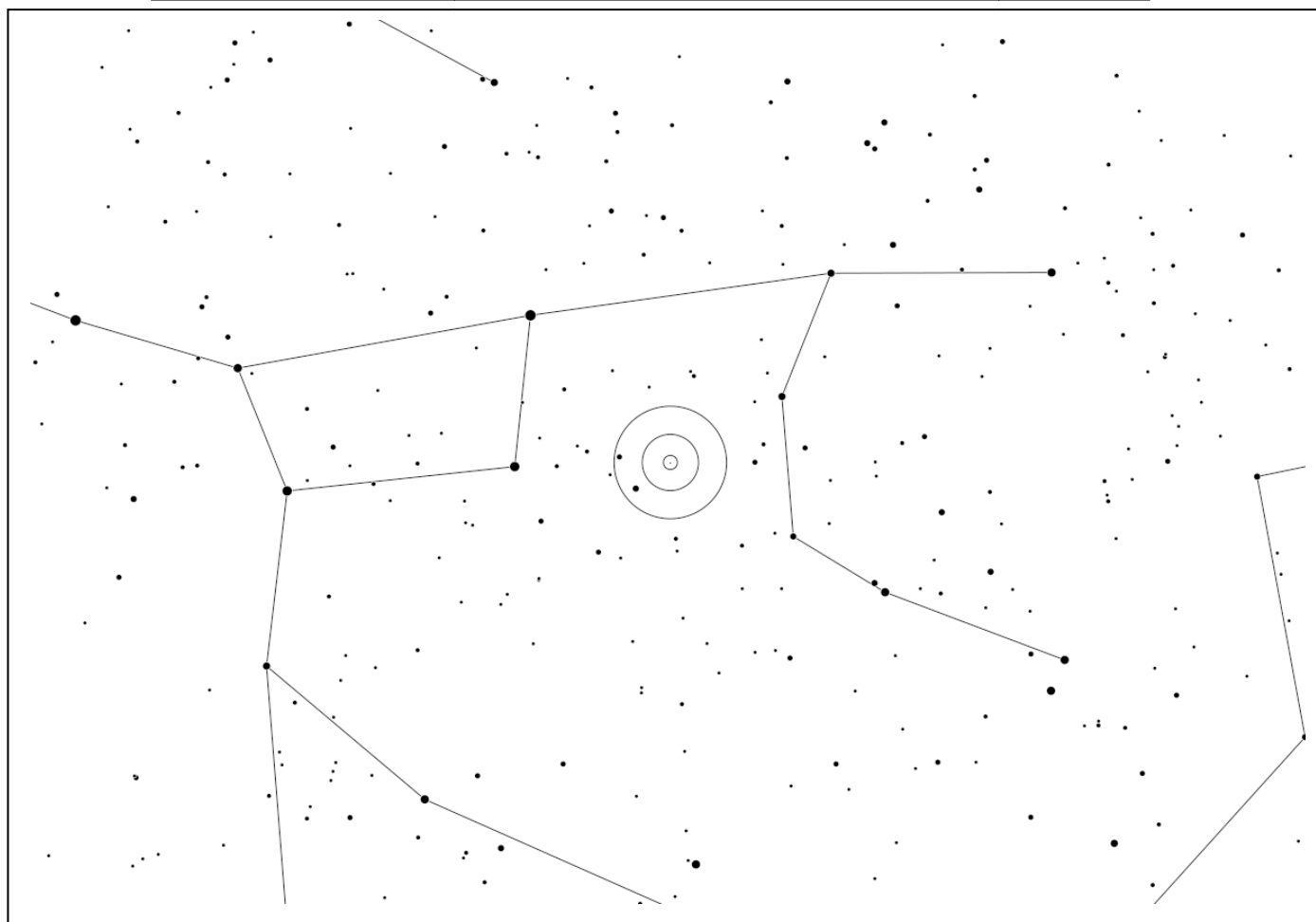
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3182	10h 19m 33.0s	+58° 12' 21"	S0-a	1.8'X1.5'	12,3

NGC 3198



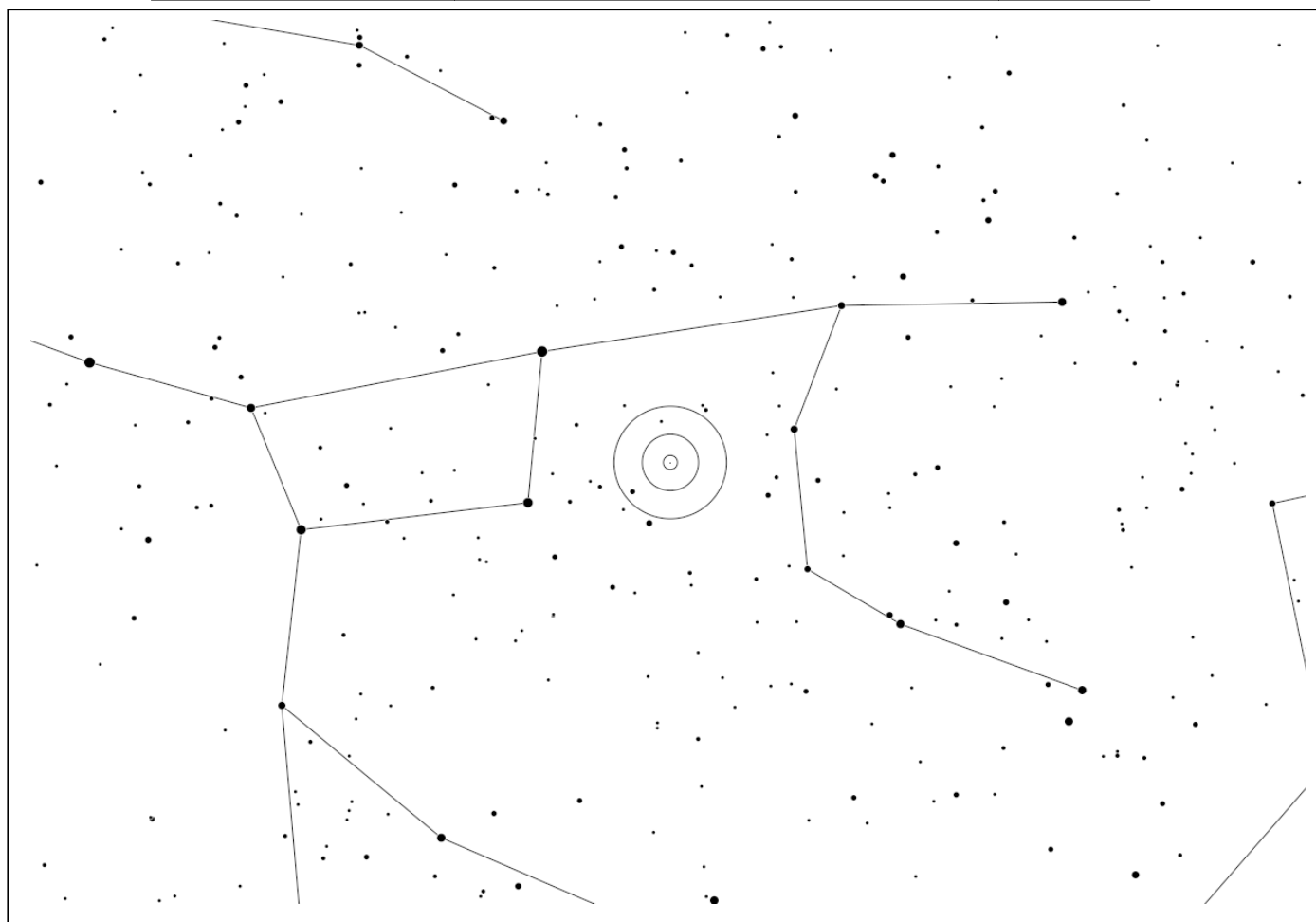
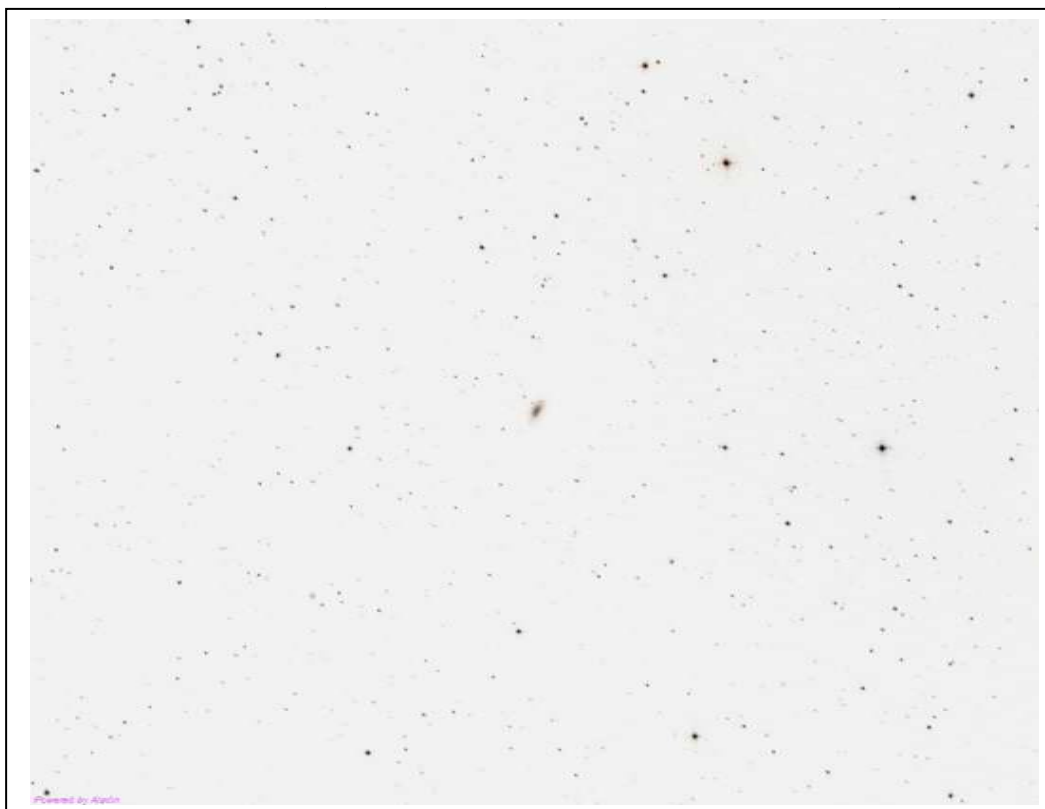
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3198	10h 19m 54.9s	+45° 33' 00"	Sc II	8.5'X3.3'	10,2

NGC 3206



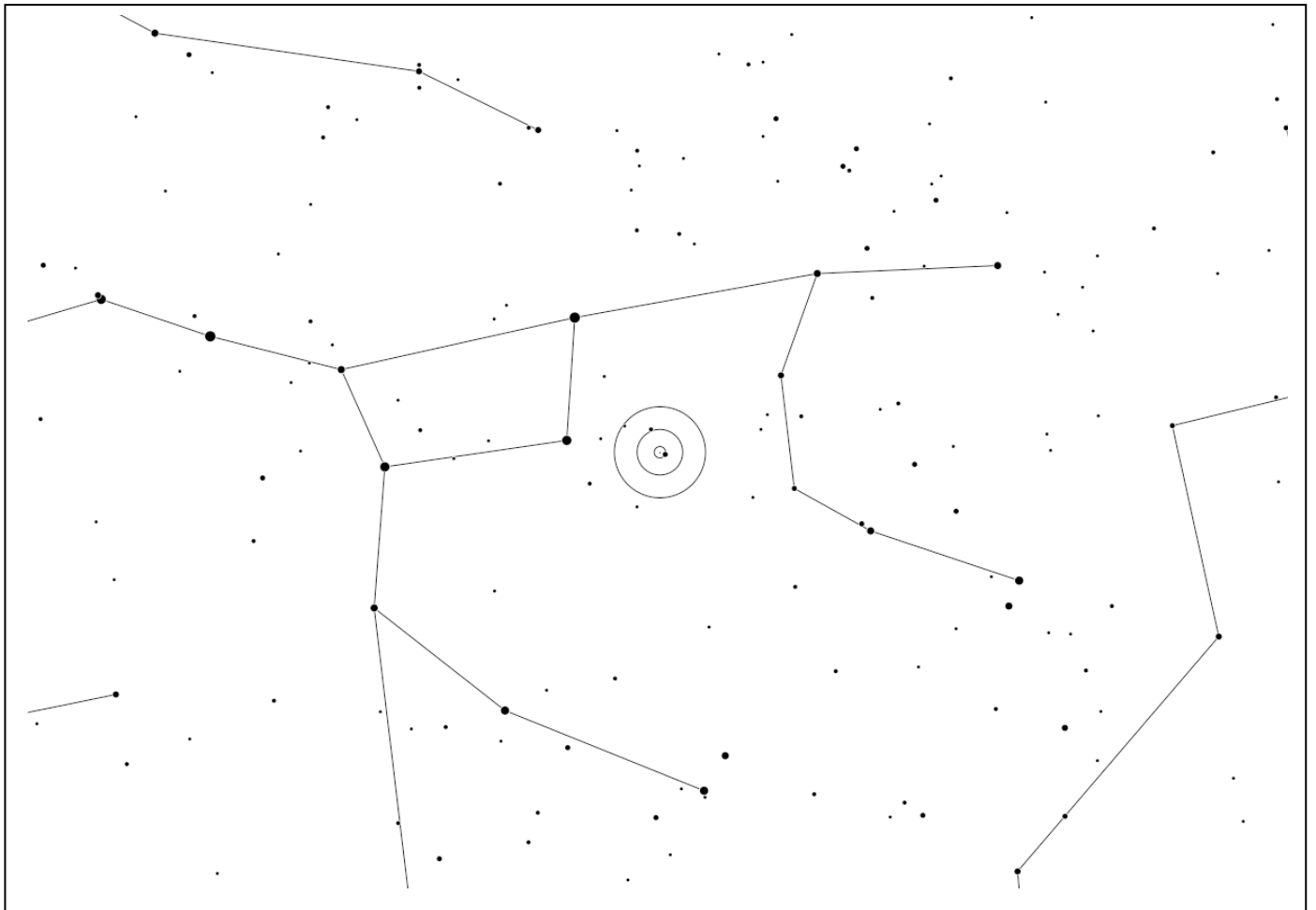
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3206	10h 21m 47.8s	+56° 55' 48"	SBc	3.0'X1.9'	12,1

NGC 3225



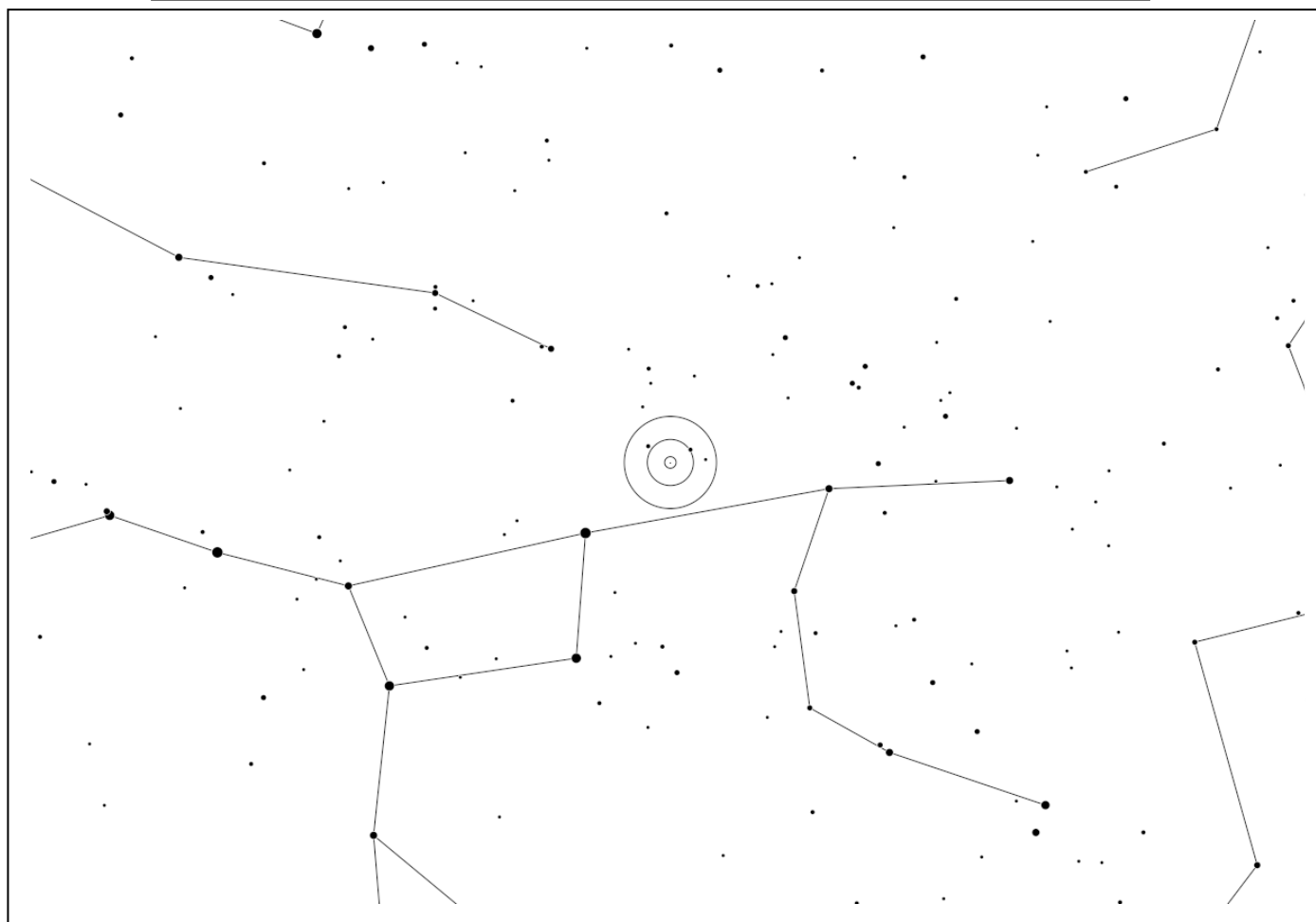
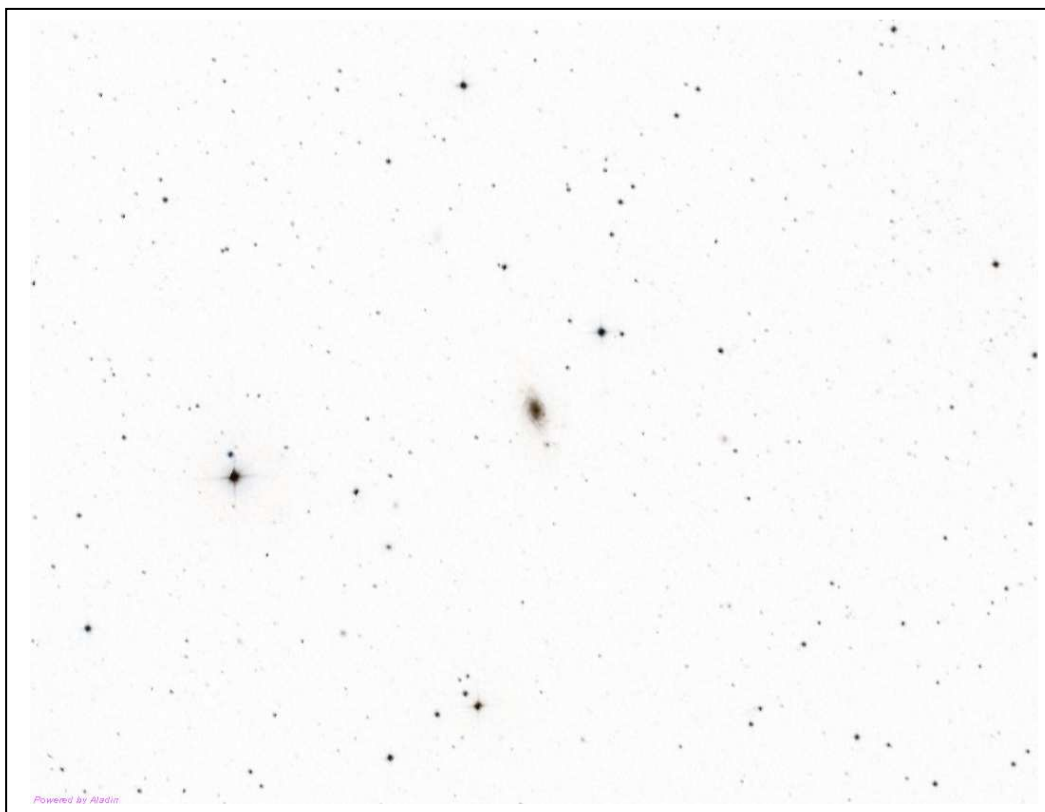
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3225	10h 25m 09.9s	+58° 08' 59"	Sc	2.0'X1.0'	12,8

NGC 3264



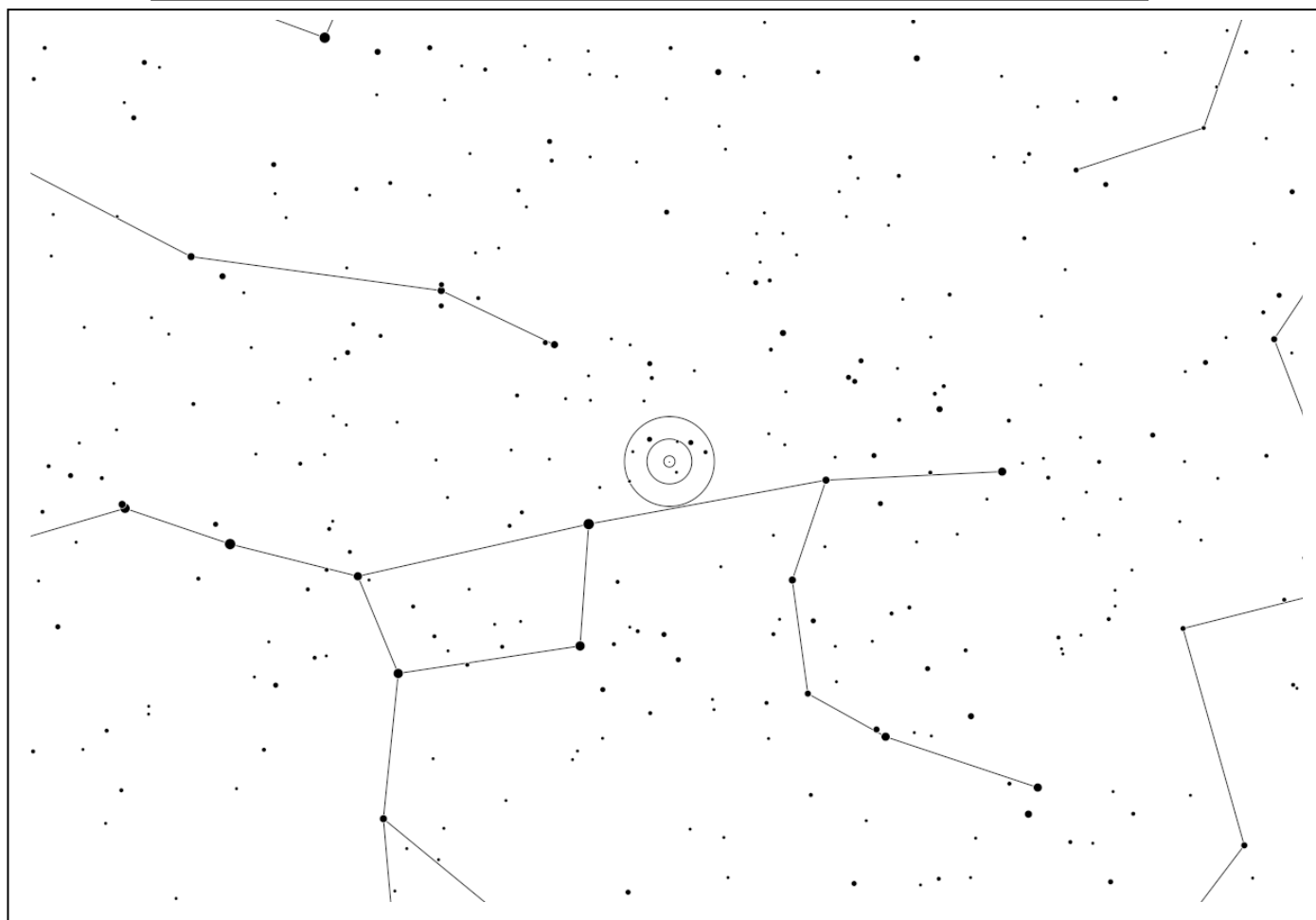
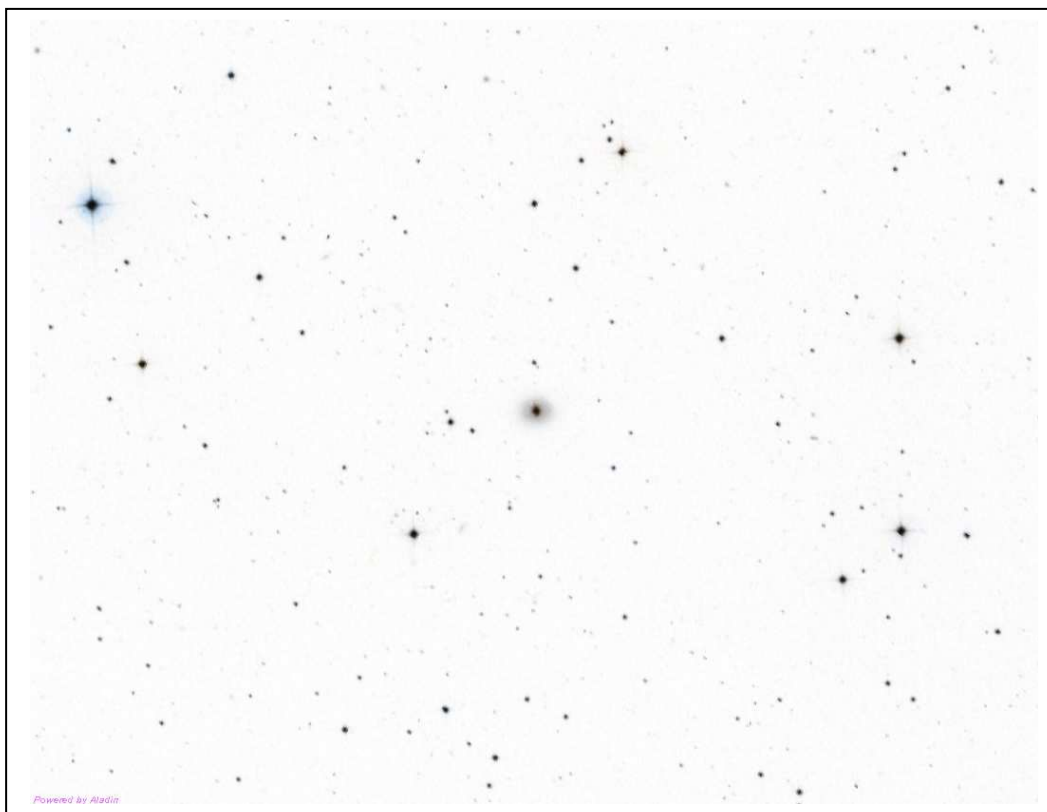
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3264	10h 32m 19.7s	+56° 05' 06"	SBc/Irr	2.9'X1.2'	12

NGC 3259



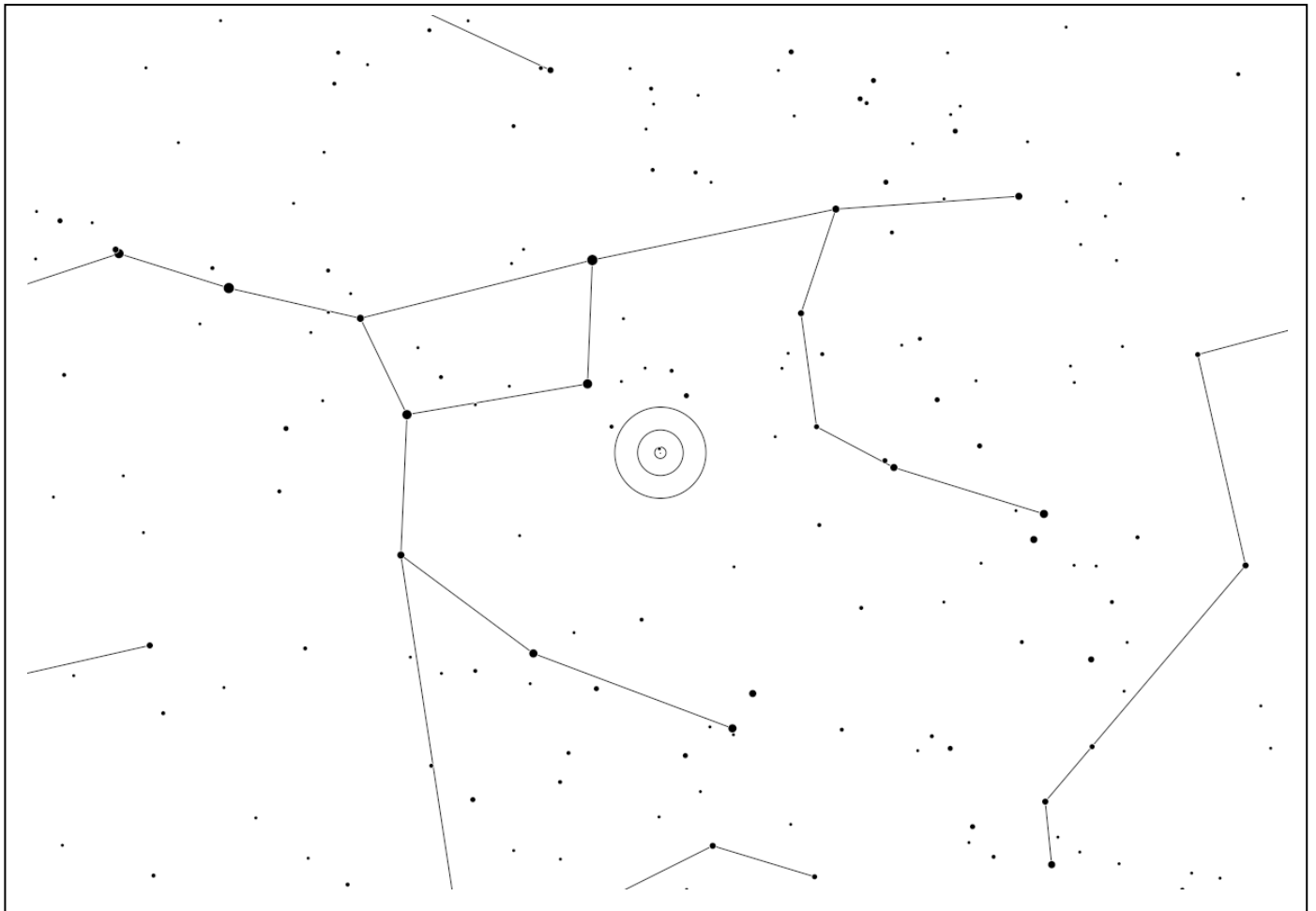
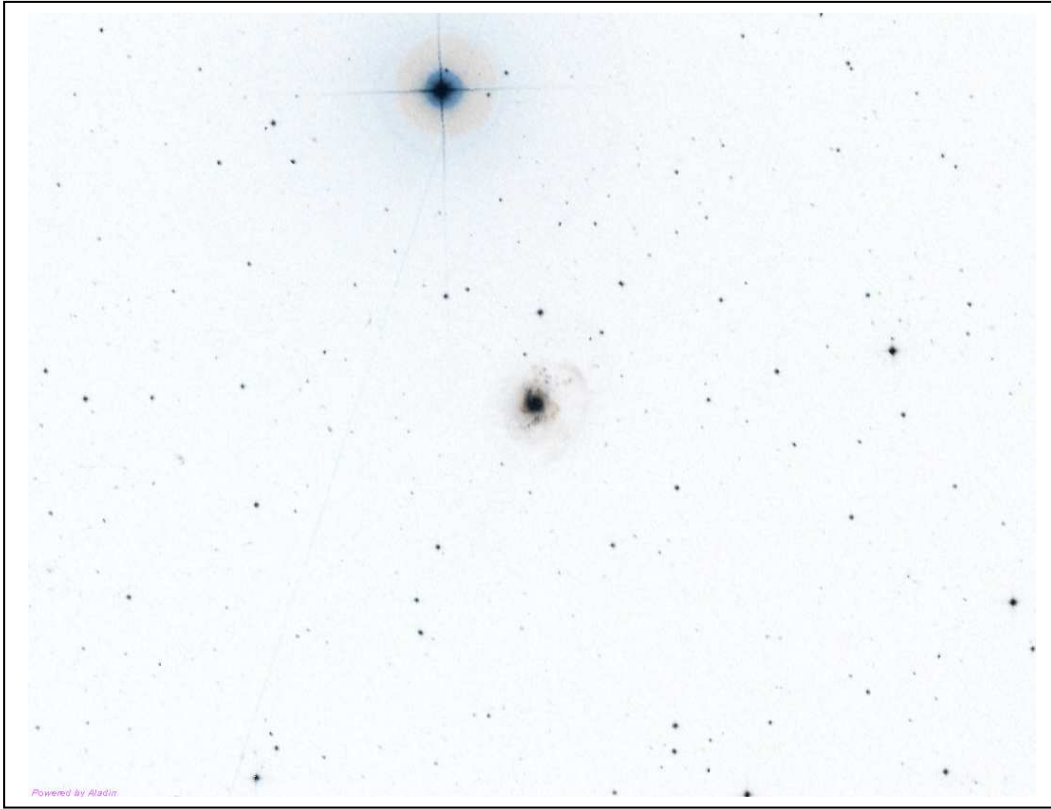
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3259	10h 32m 34.8s	+65° 02' 28"	Sb	2.2'X1.2'	12,3

NGC 3266



NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3266	10h 33m 17.5s	+64° 44' 57"	SB0	1.5'X1.3'	12,5

NGC 3310

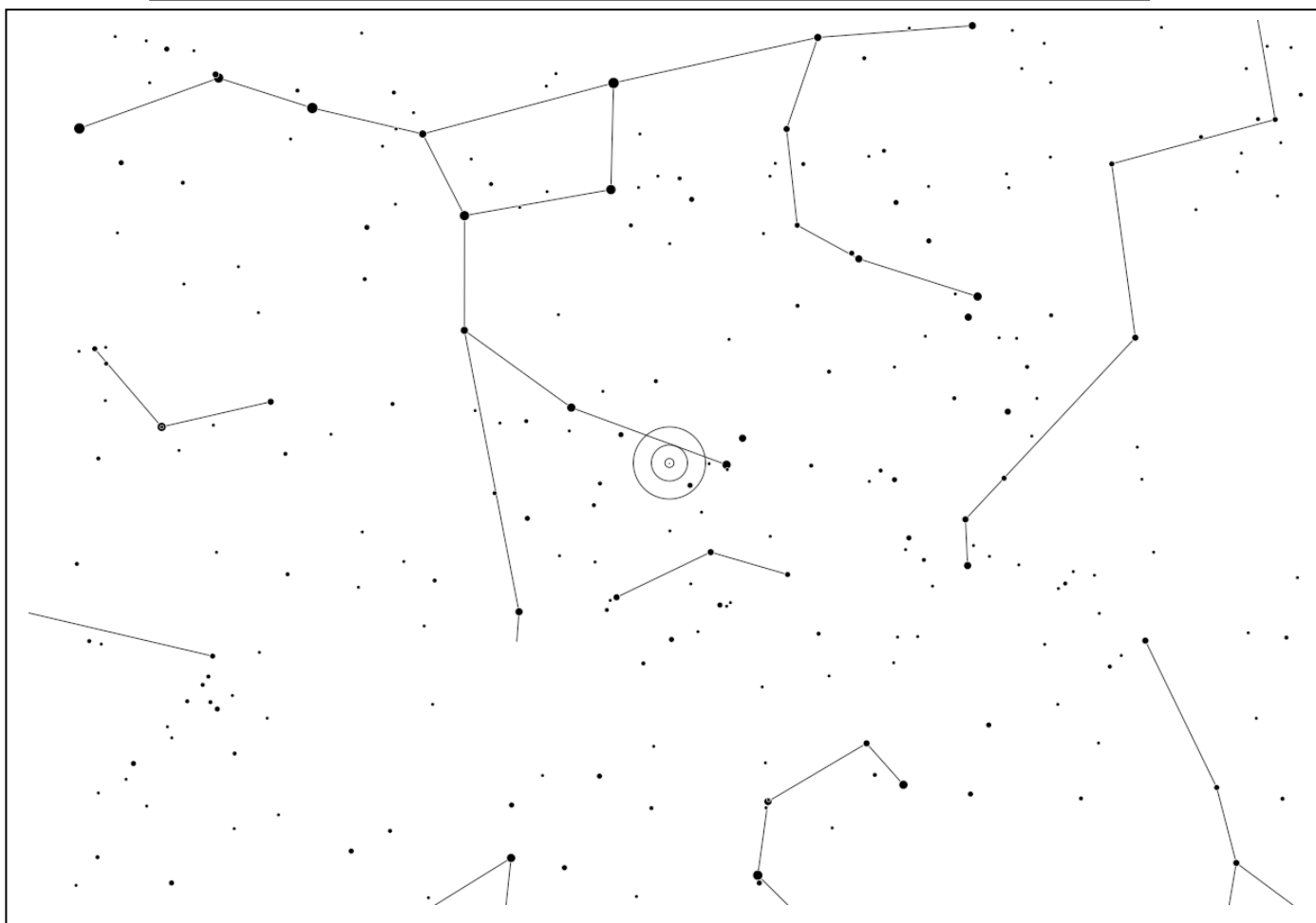


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3310	10h 38m 45.9s	+53° 30' 10"	S[b]	3.1'X2.4'	10,4

NGC 3319



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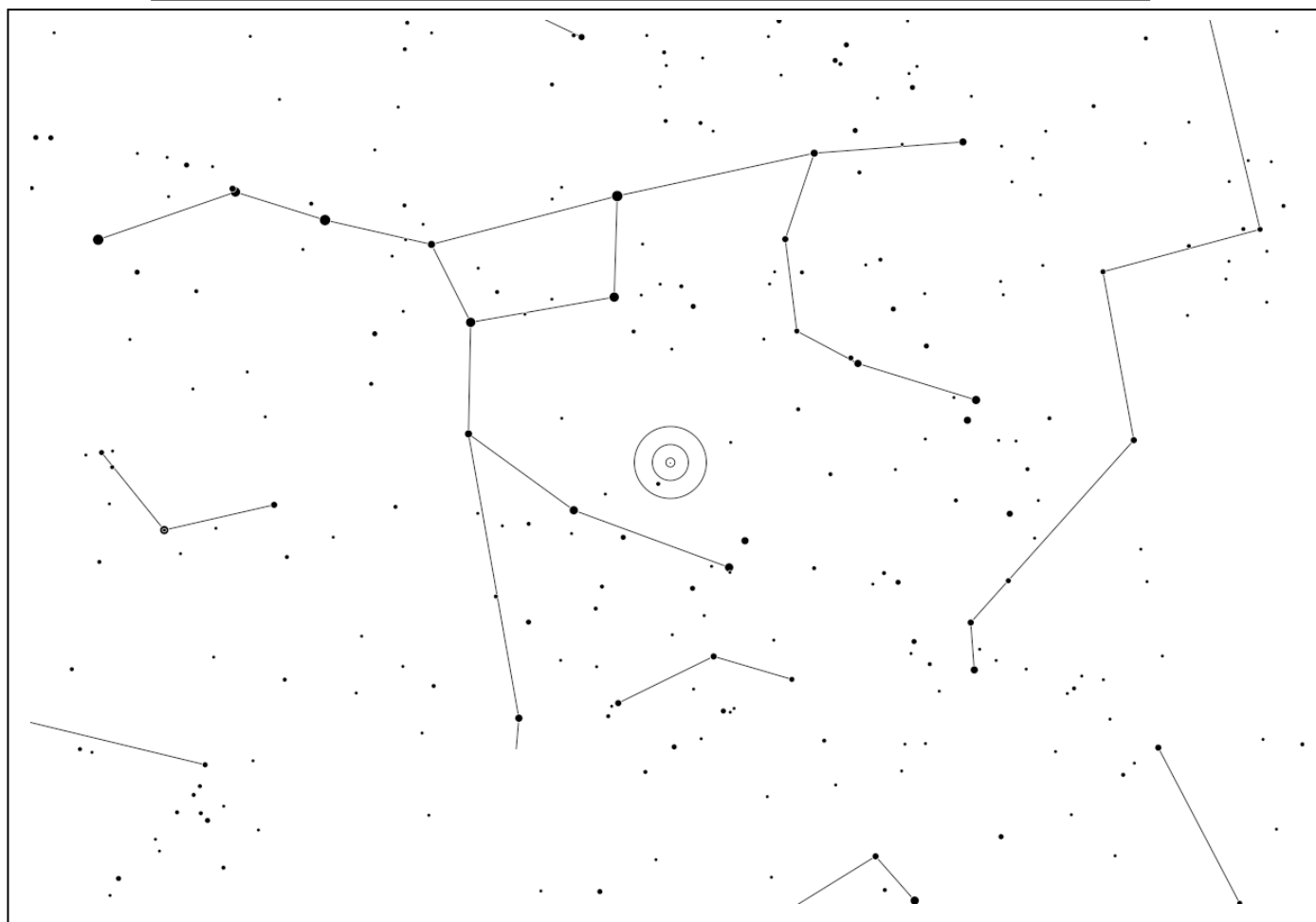


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3319	10h 39m 09.4s	+41° 41' 14"	SBc II	6.2'X3.4'	11,1

NGC 3320

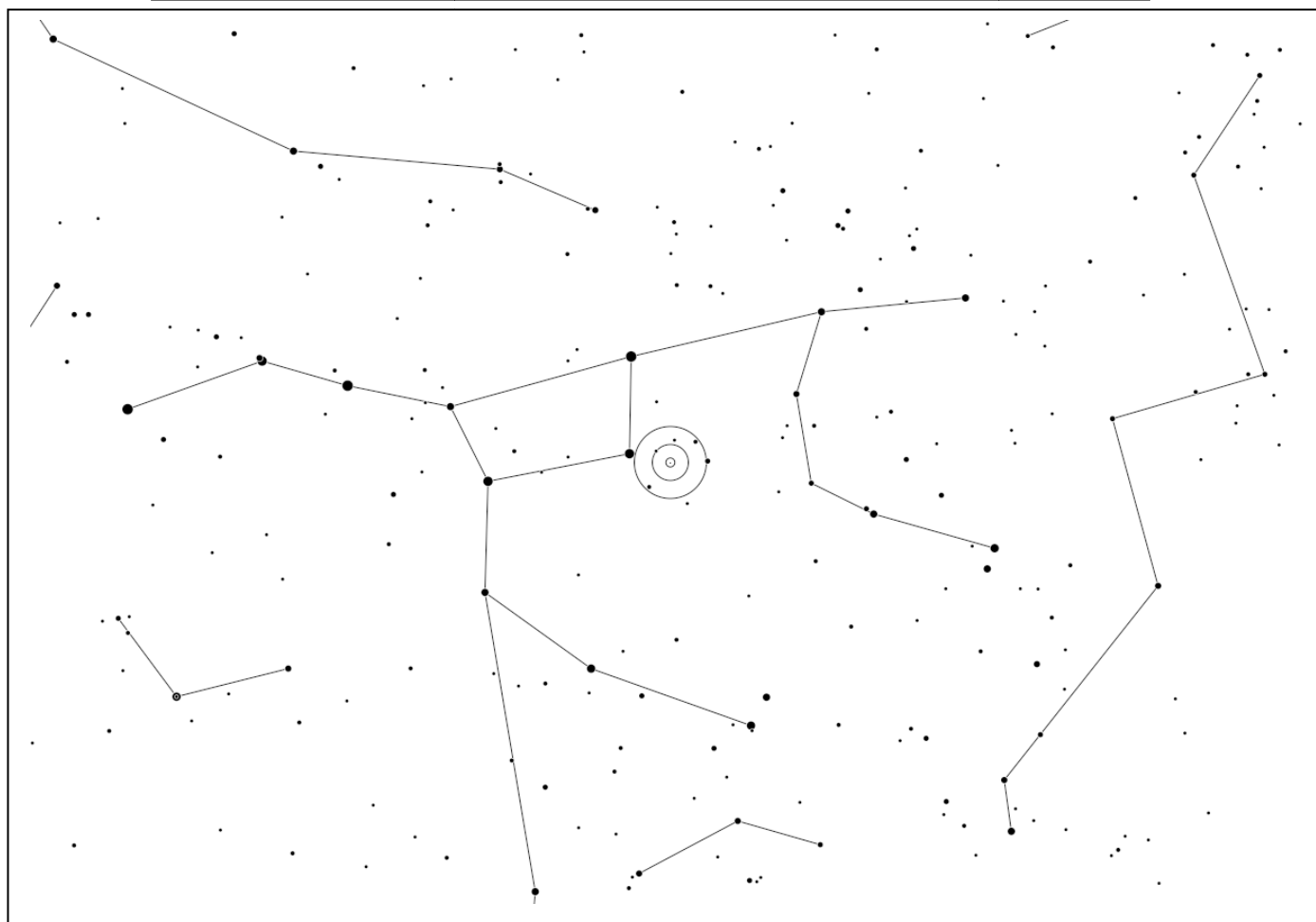


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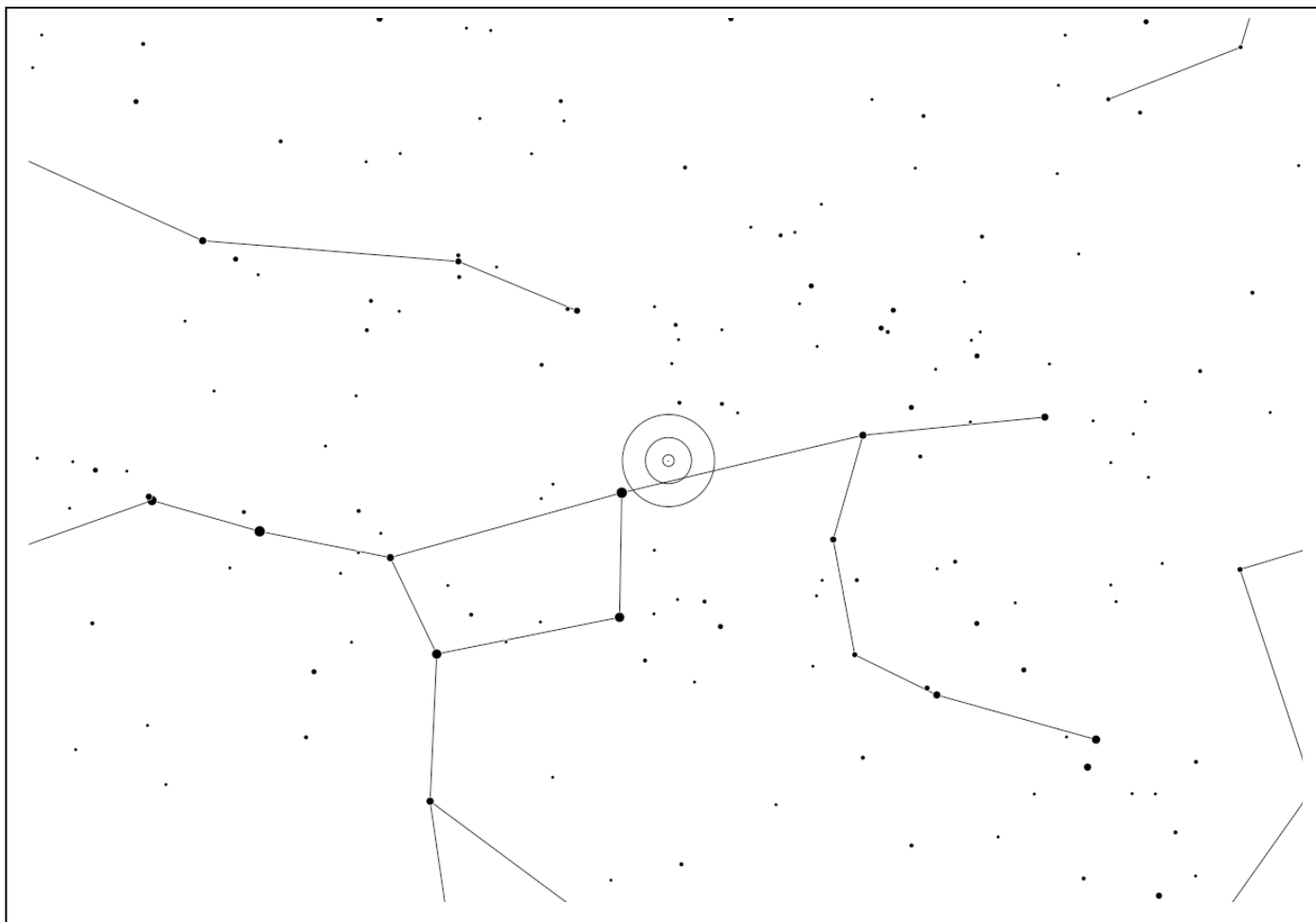
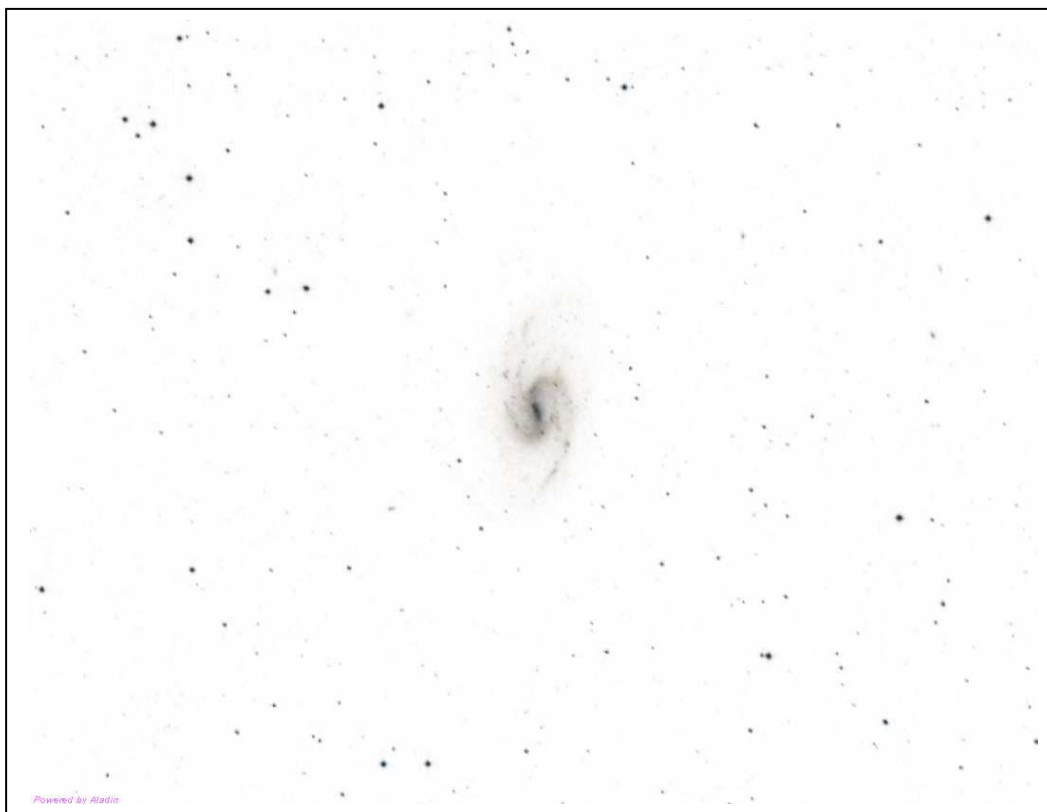
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3320	10h 39m 36.5s	+47° 23' 52"	Sc III-IV	2.2'X1.0'	12,5

NGC 3353



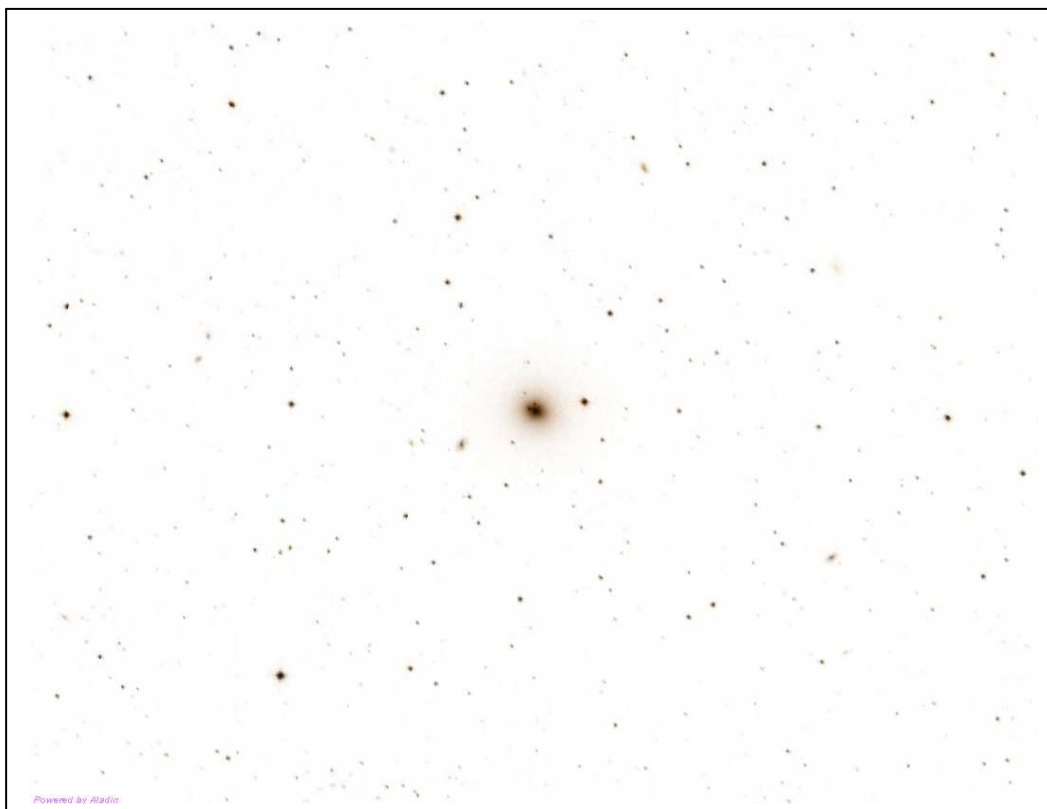
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3353	10h 45m 22.3s	+55° 57' 37"	Sc?	1.3'X1.0'	12,5

NGC 3359

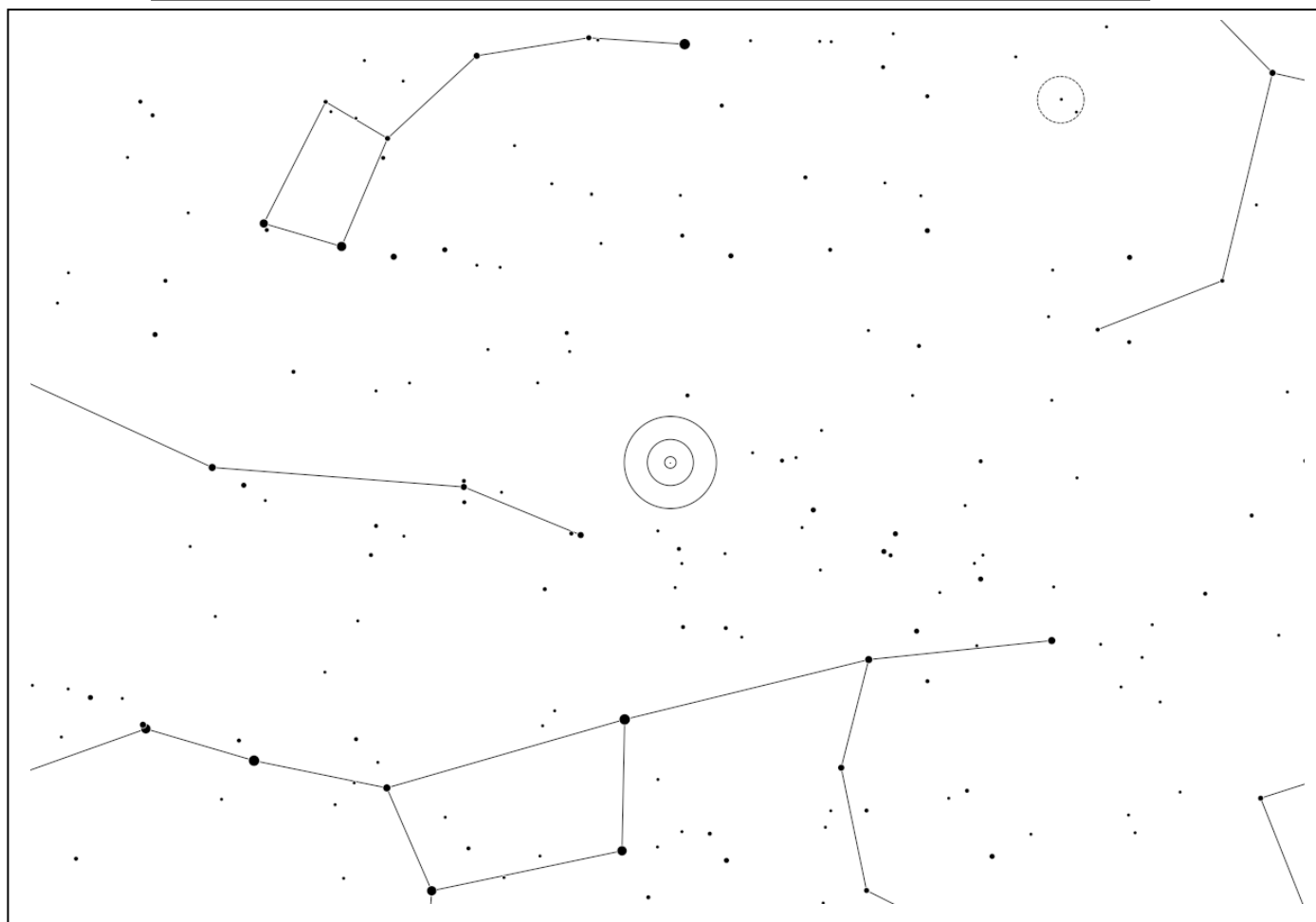


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3359	10h 46m 36.7s	+63° 13' 26"	SBc II	6.8'X4.3'	10,5

NGC 3348

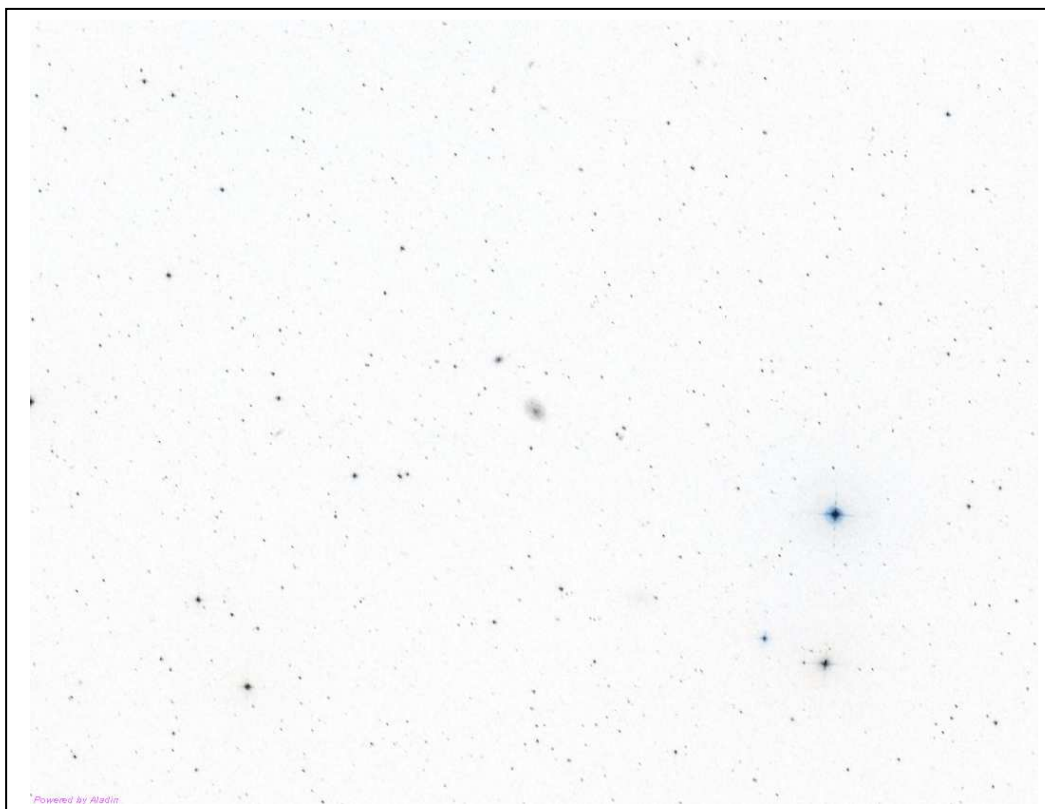


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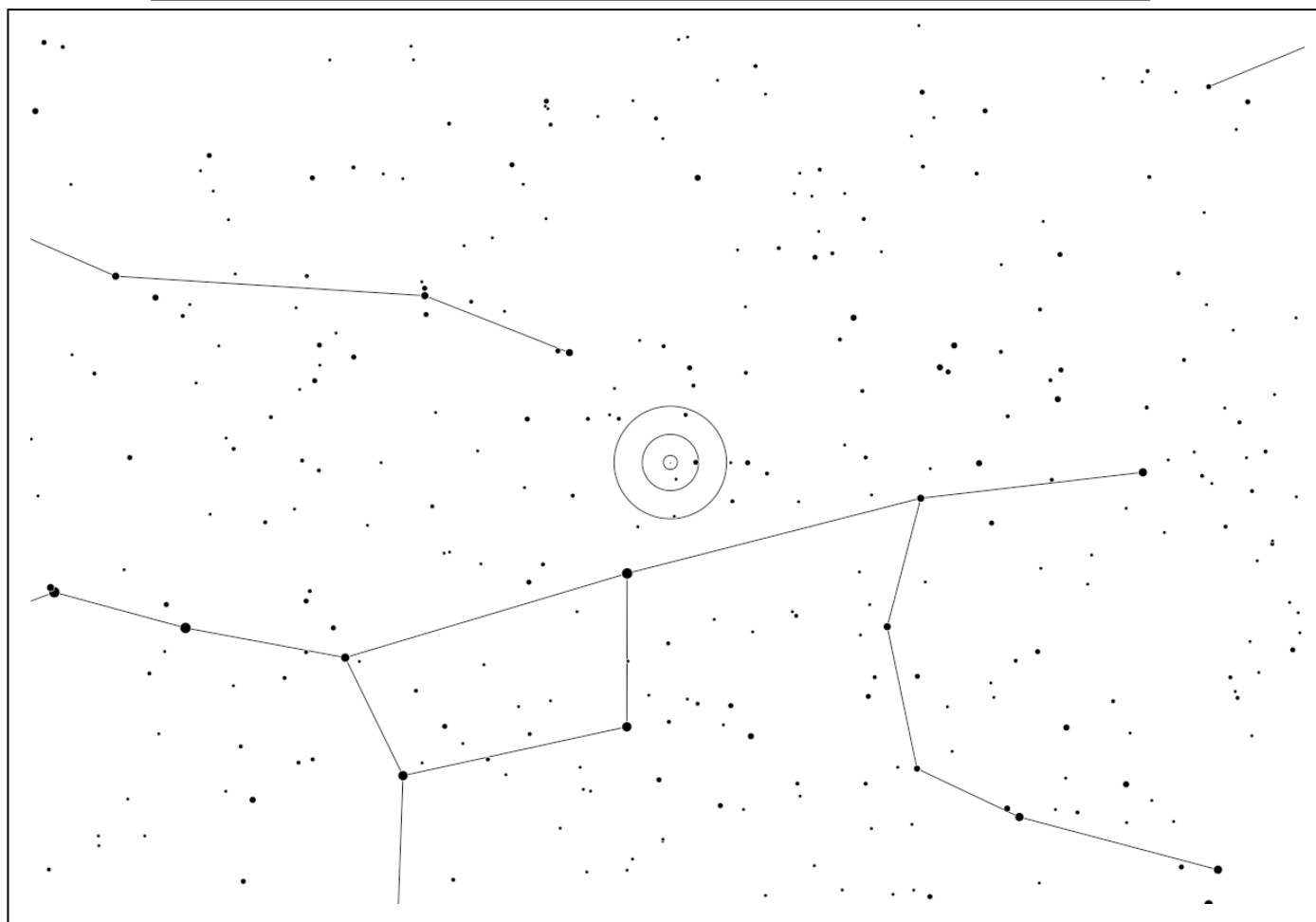


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3348	10h 47m 10.1s	+72° 50' 23"	E	2.0'X2.0'	11,1

NGC 3394

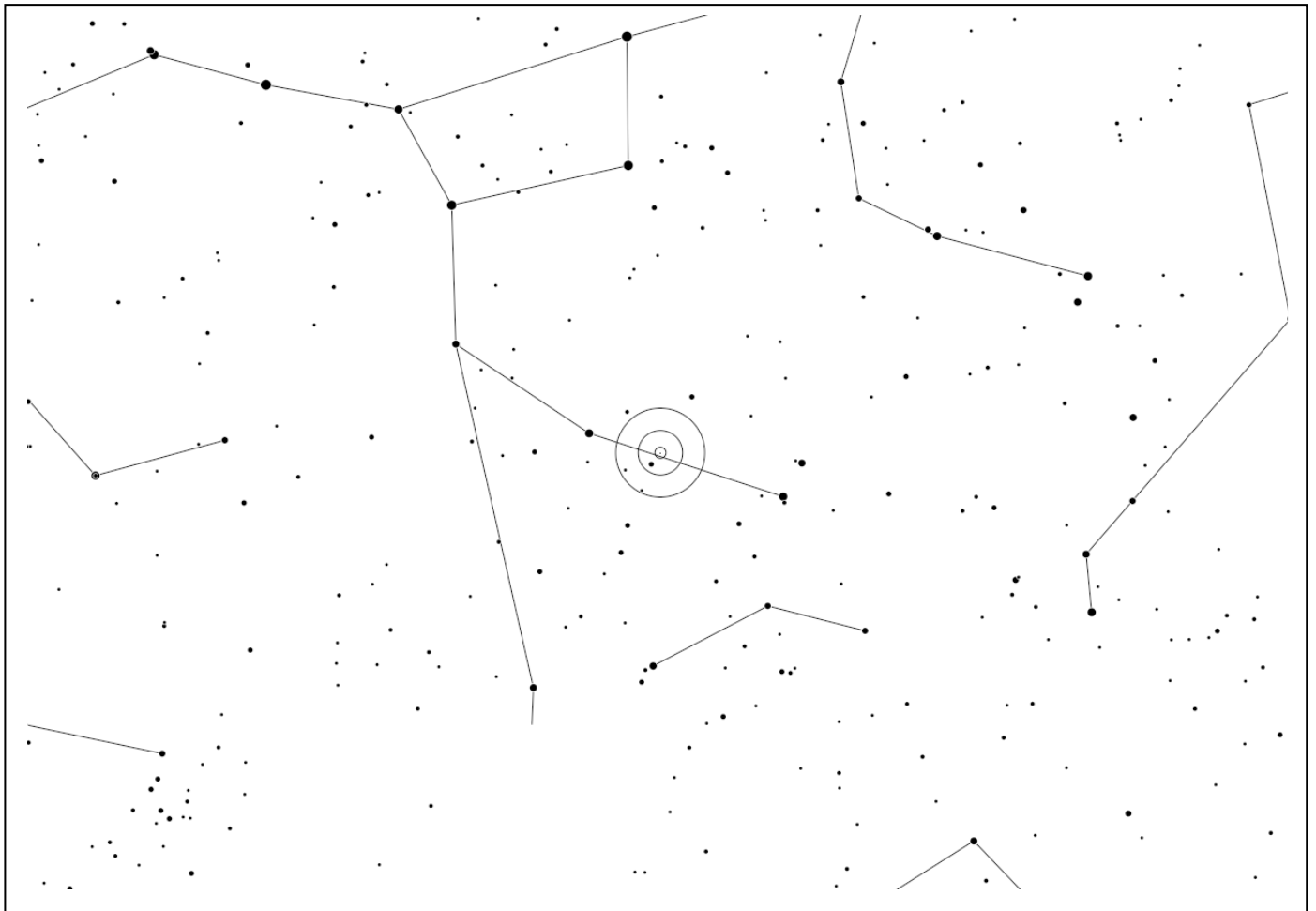


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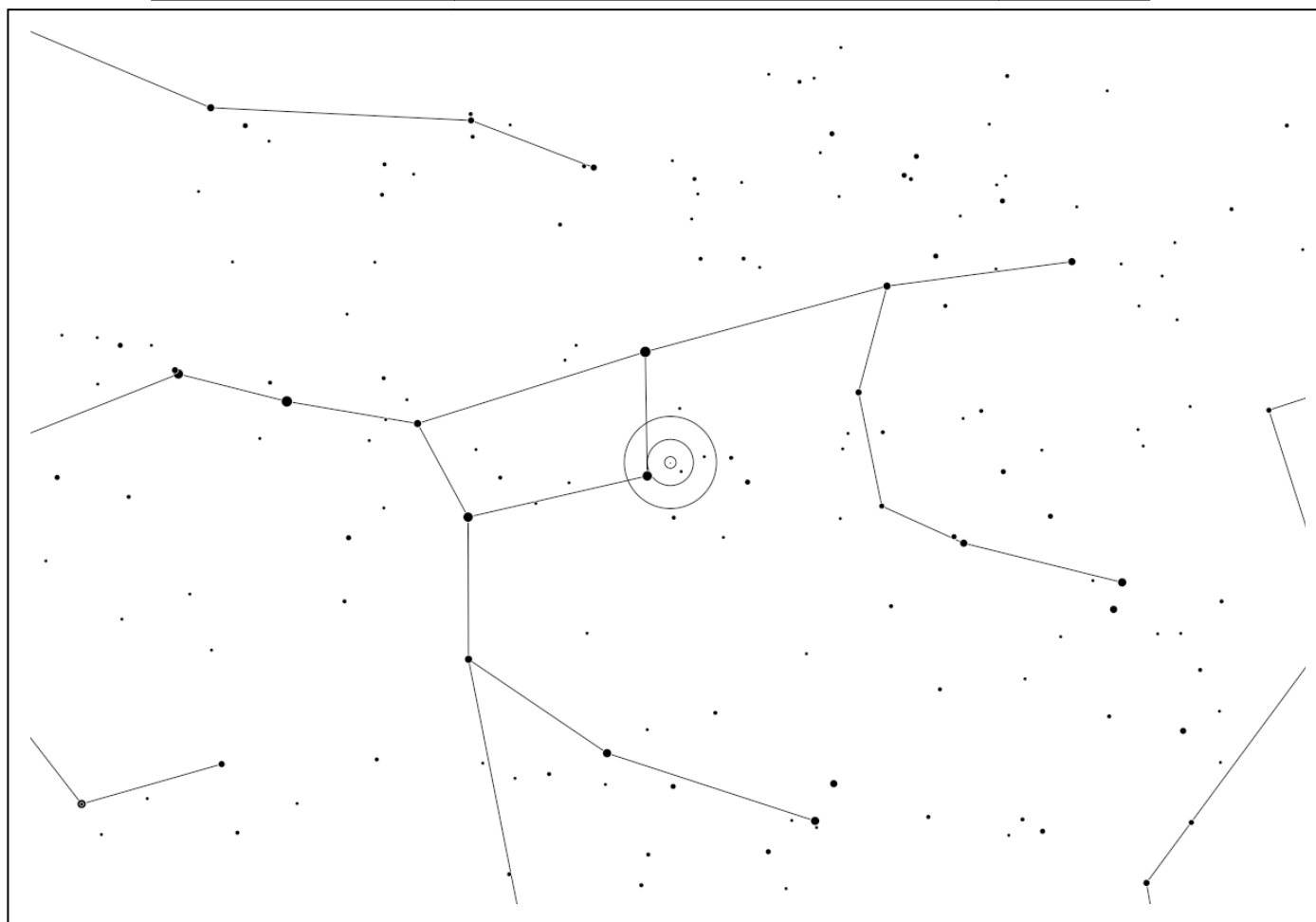
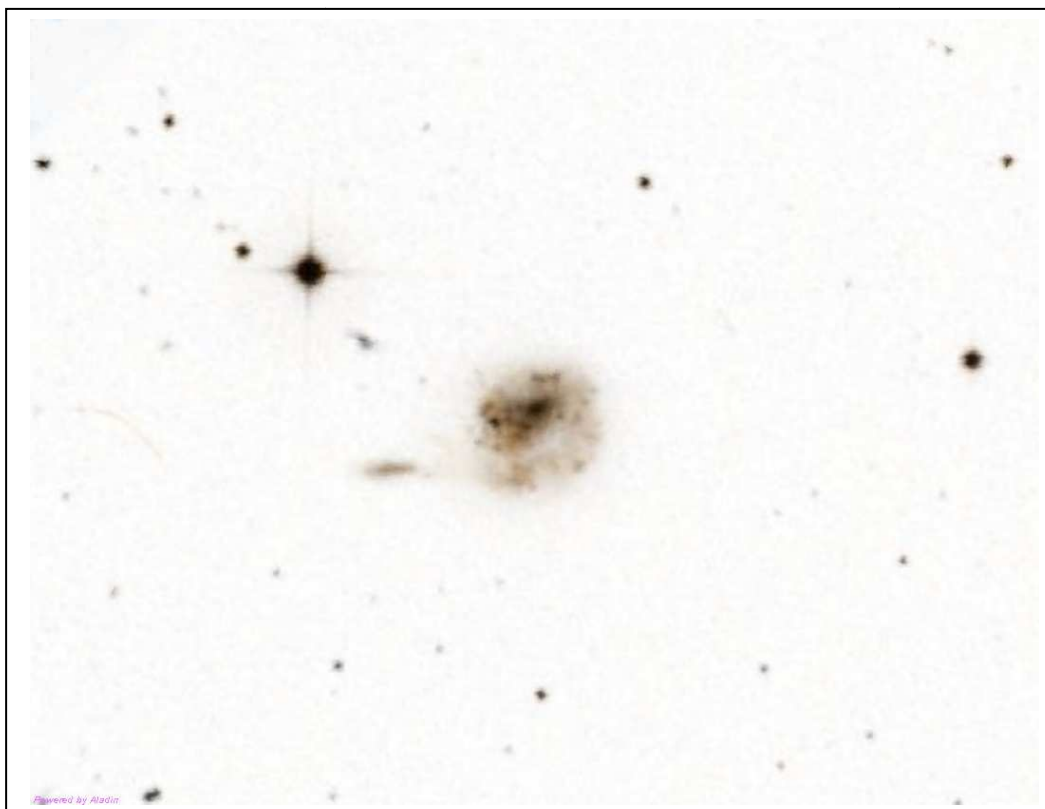
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3394	10h 50m 39.9s	+65° 43' 37"	Sc	1.9'X1.4'	12,6

NGC 3415



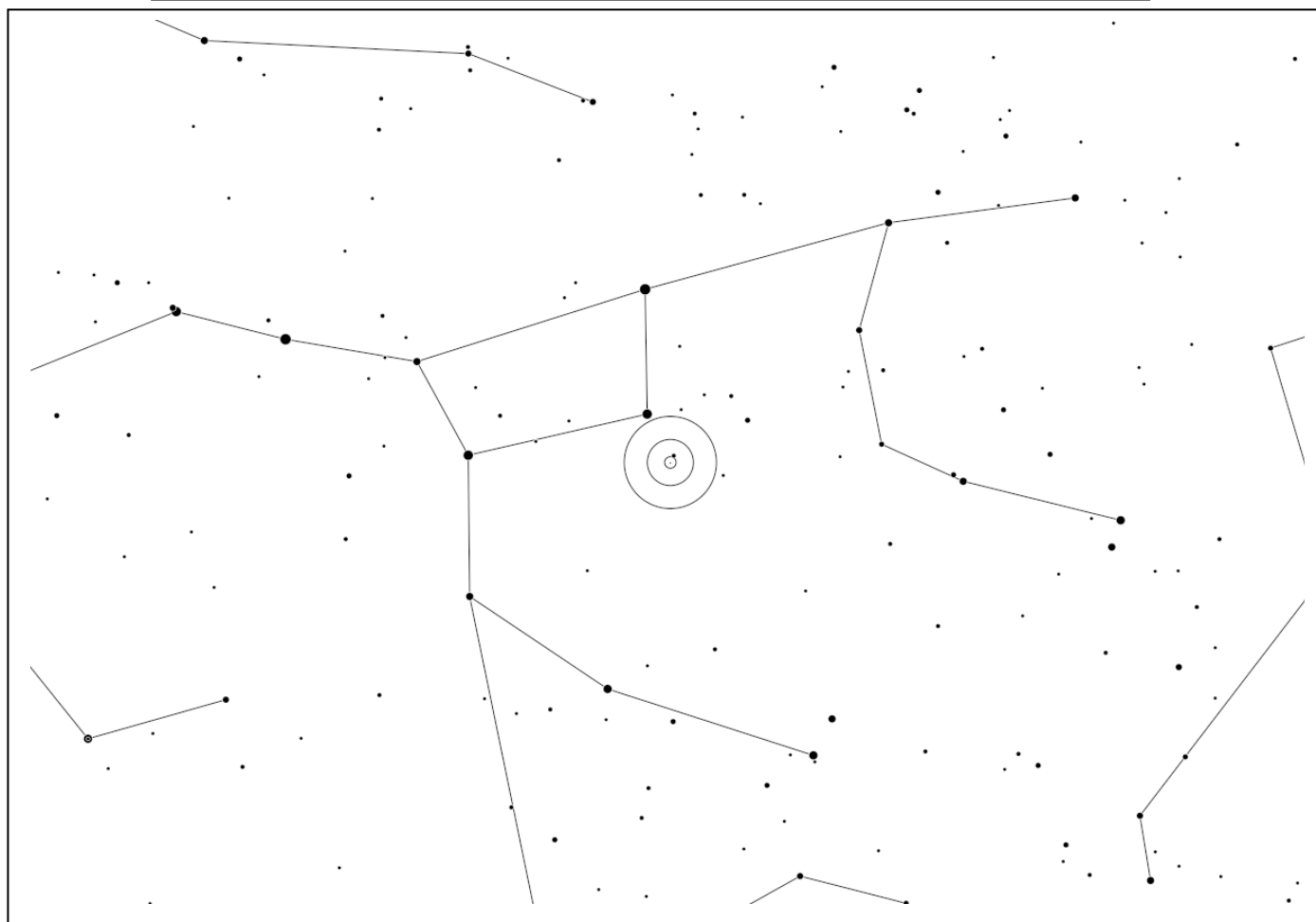
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3415	10h 51m 42.7s	+43° 42' 44"	S0-a	2.1'X1.3'	12,2

NGC 3445



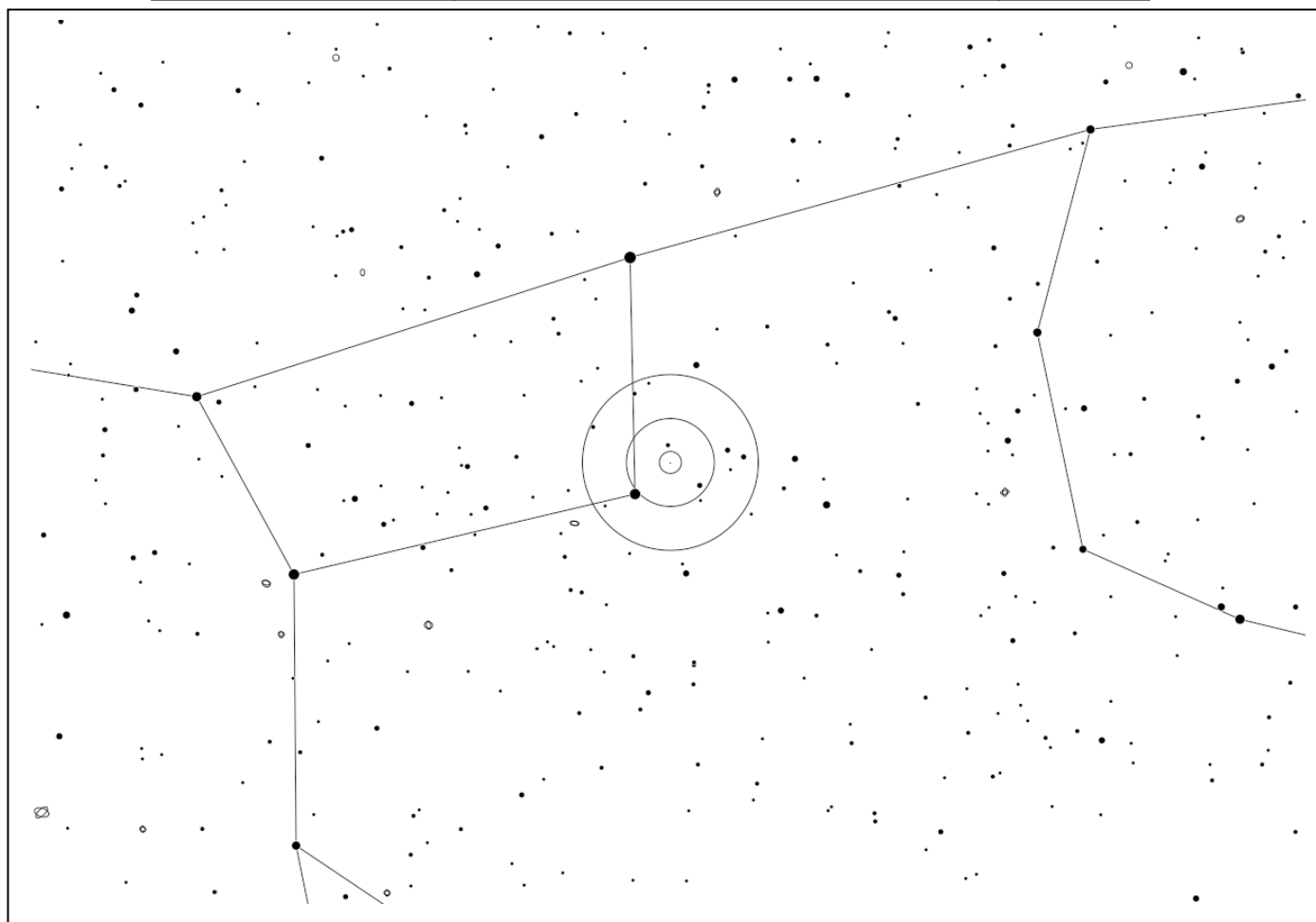
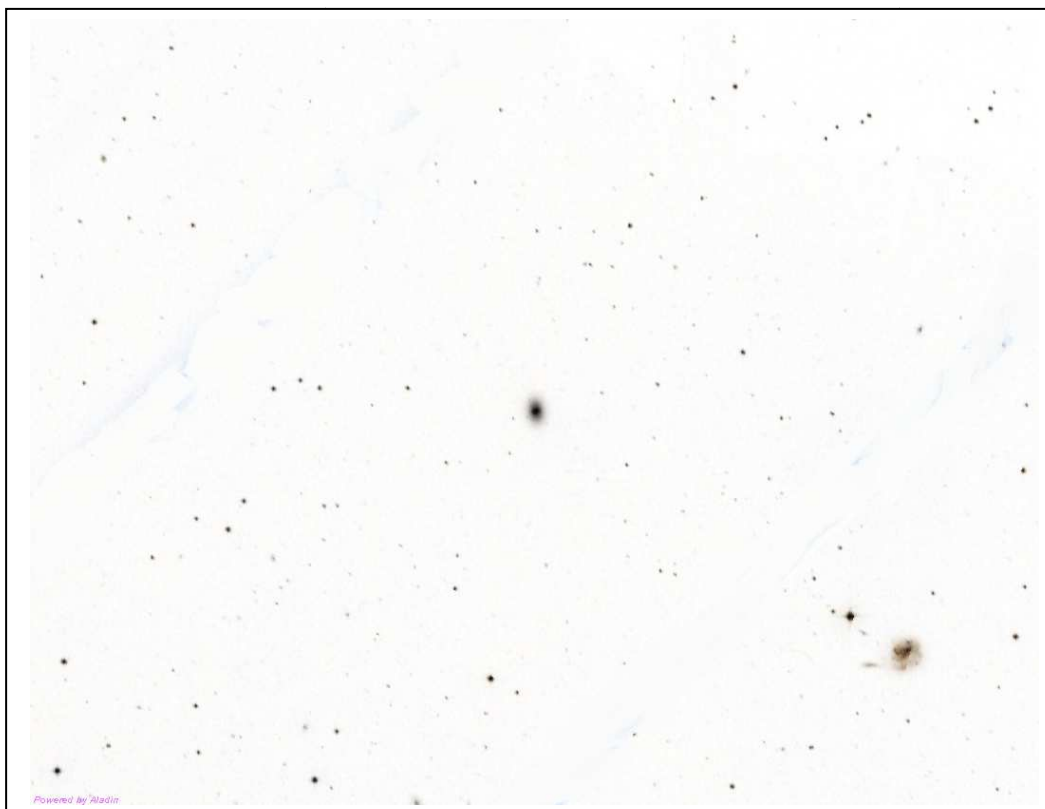
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3445	10h 54m 35.7s	+56° 59' 25"	Sc	1.6'X1.5'	12,5

NGC 3448



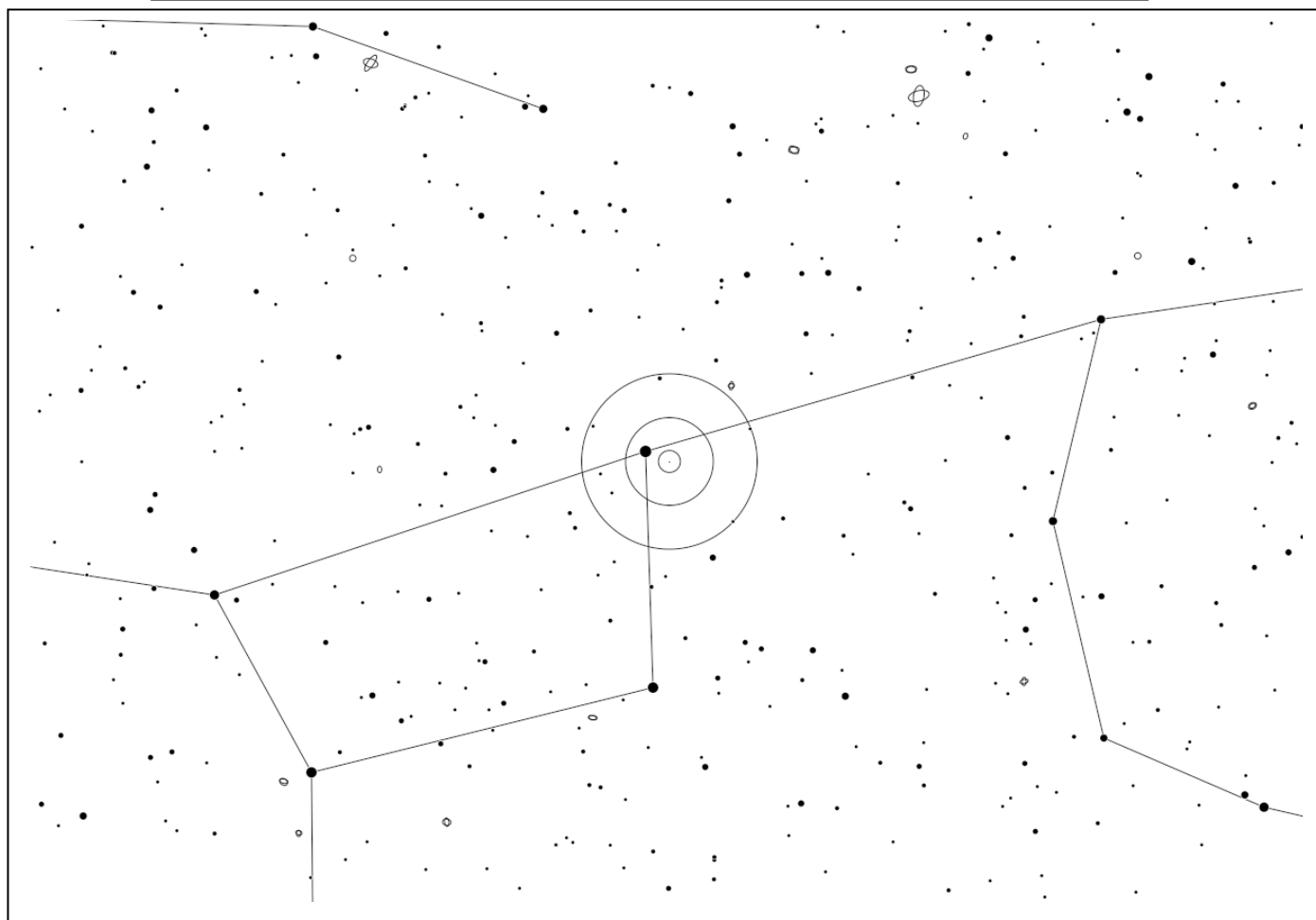
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3448	10h 54m 39.0s	+54° 18' 18"	Pec	5.6'X1.8'	11,7

NGC 3458



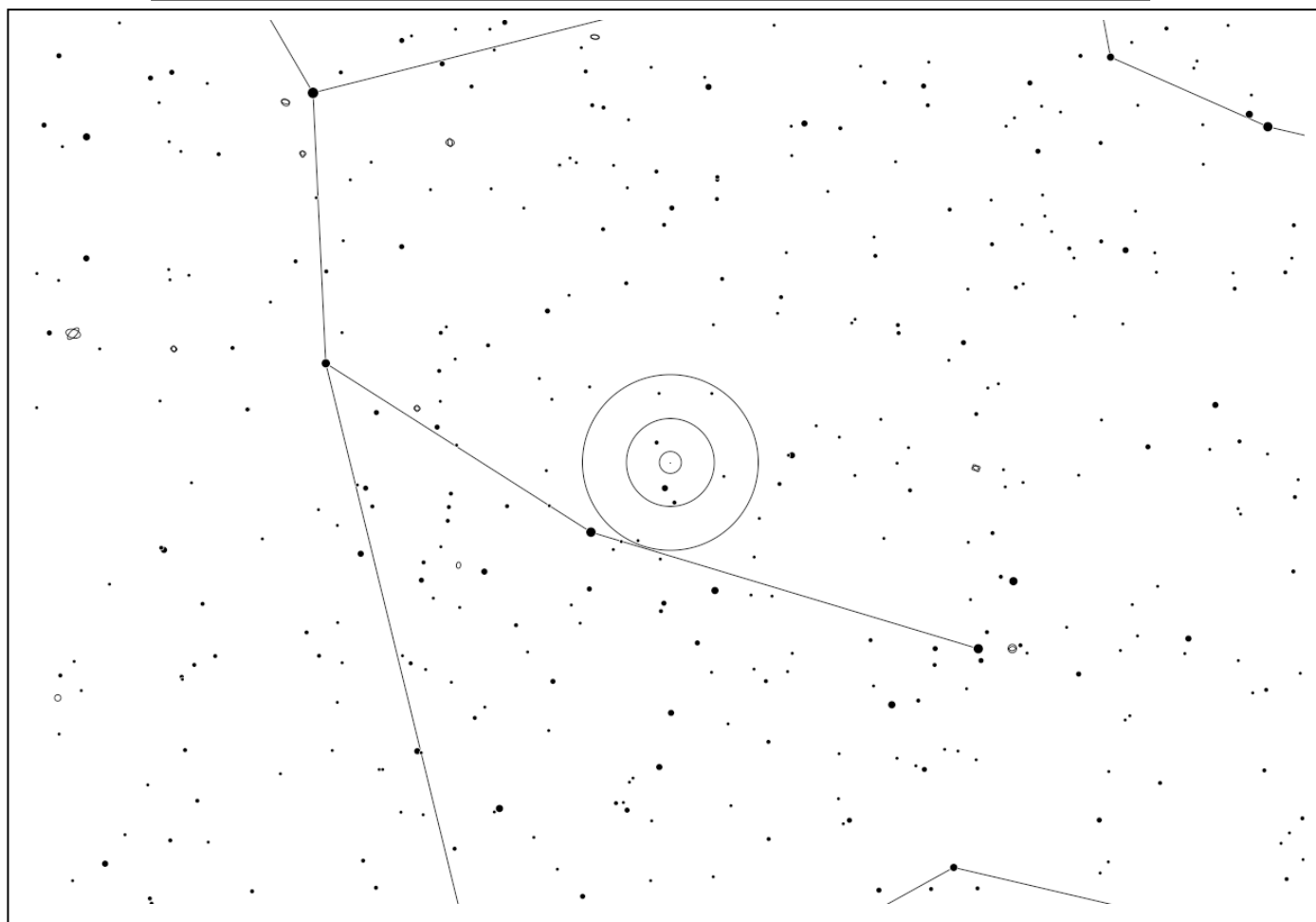
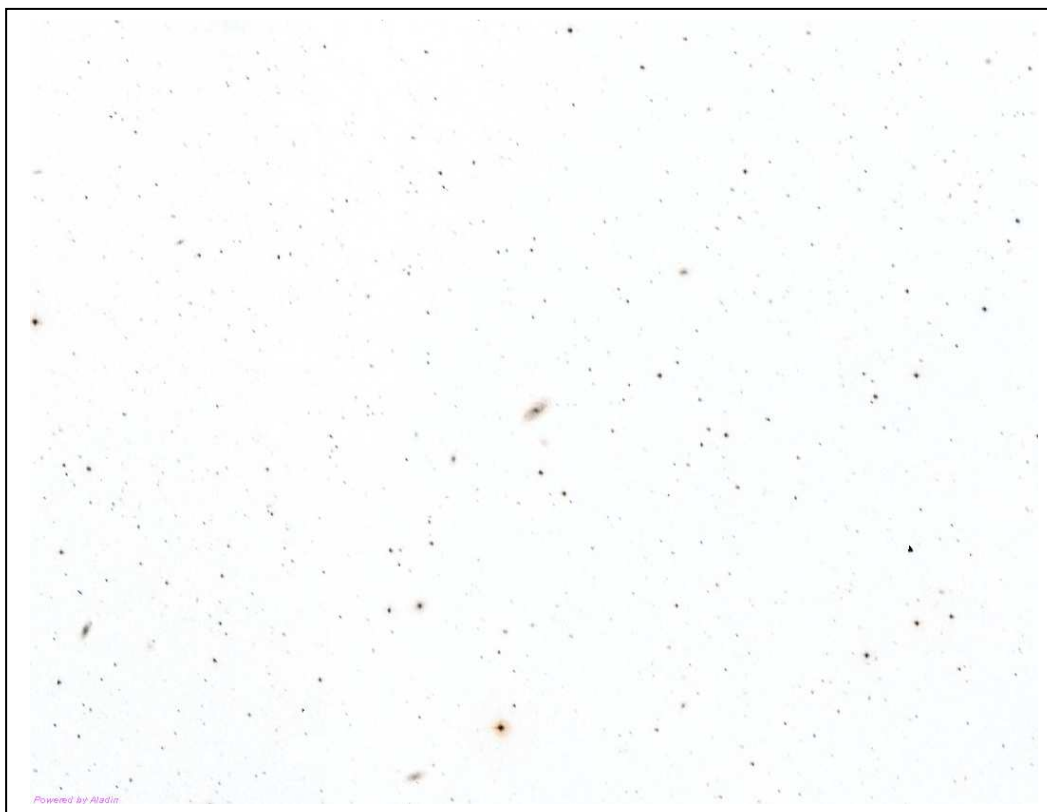
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3458	10h 56m 01.5s	+57° 07' 01"	S0	1.4'X0.9'	12,3

NGC 3471



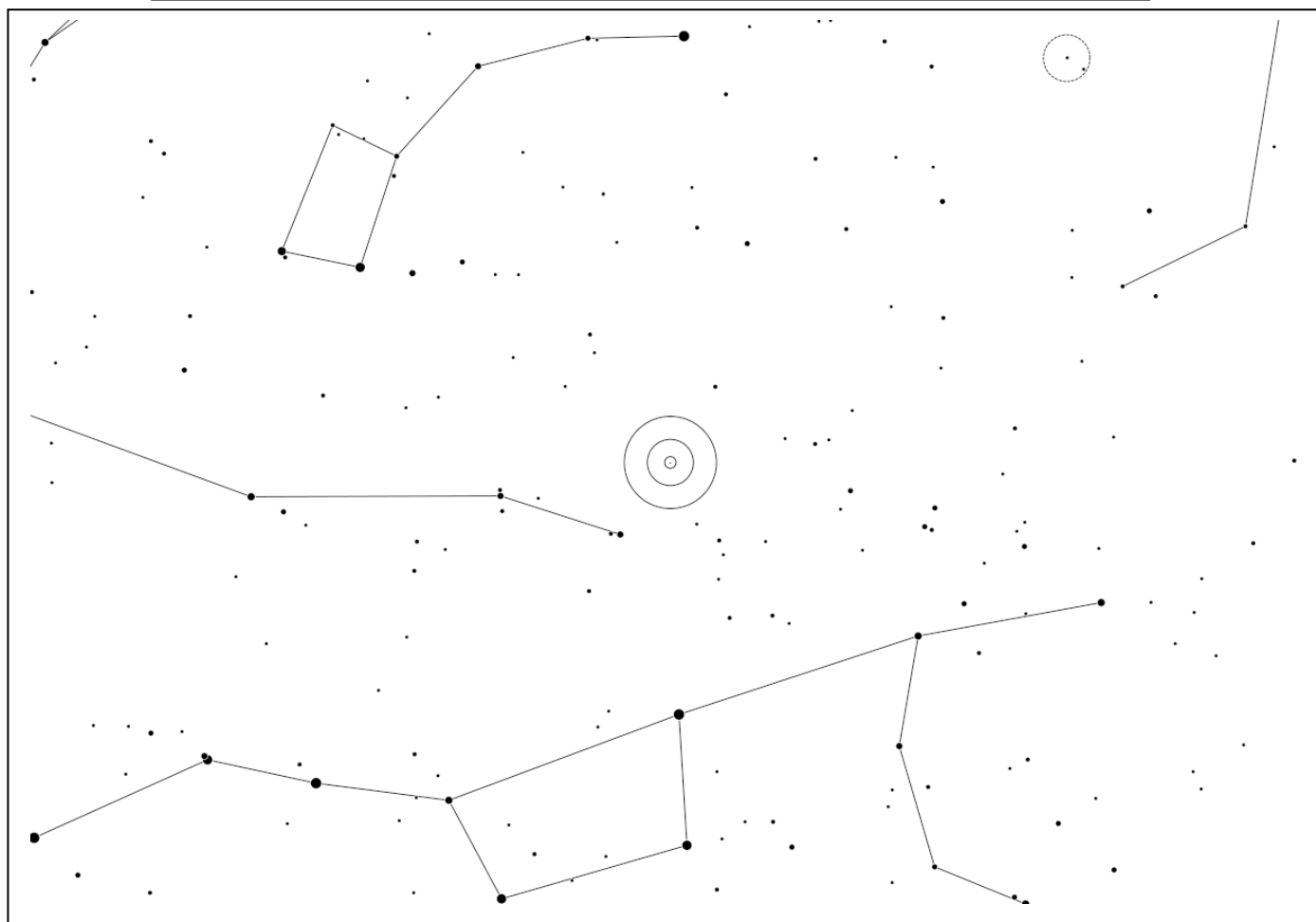
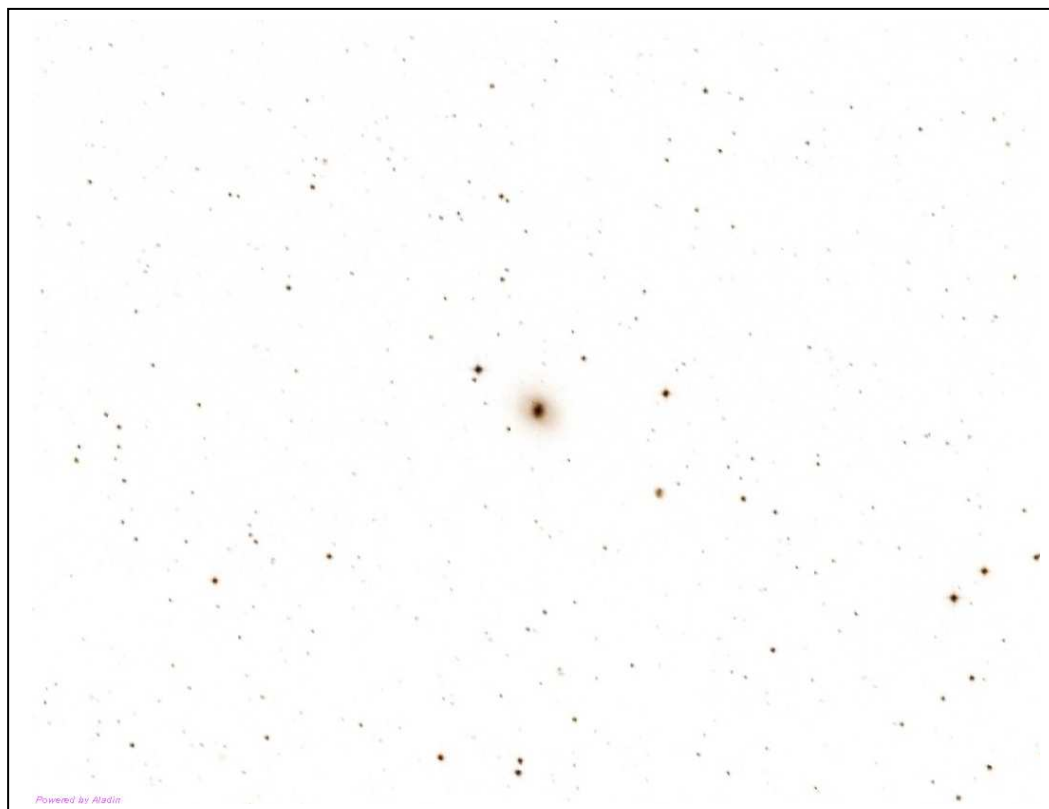
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3471	10h 59m 09.1s	+61° 31' 51"	Sa	1.7'X0.8'	12,5

NGC 3478



NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3478	10h 59m 27.3s	+46° 07' 20"	SBb I-II	2.6'X1.2'	12,6

NGC 3516

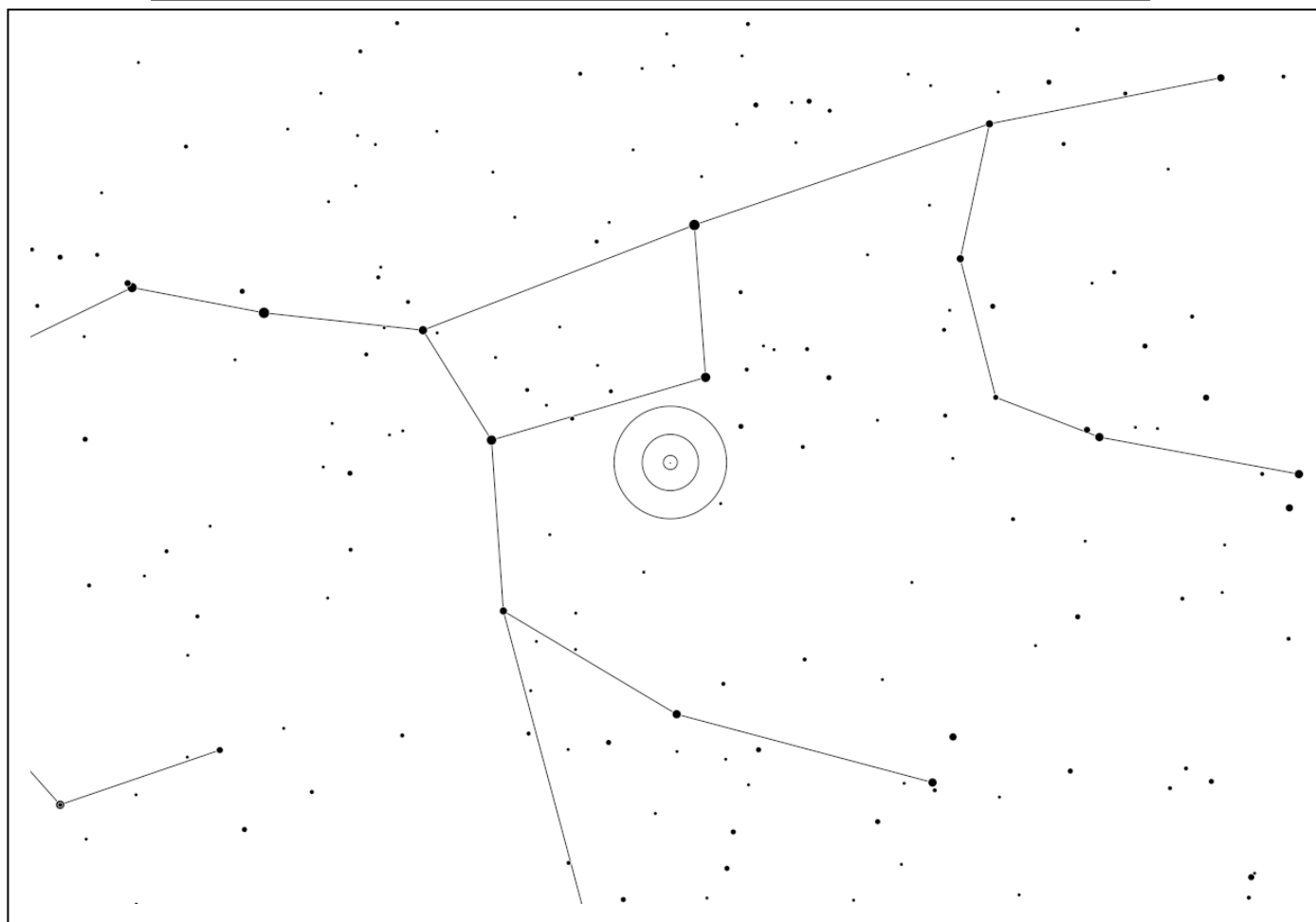


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3516	11h 06m 47.5s	+72° 34' 06"	SB0	1.7'X1.3'	11,4

NGC 3549

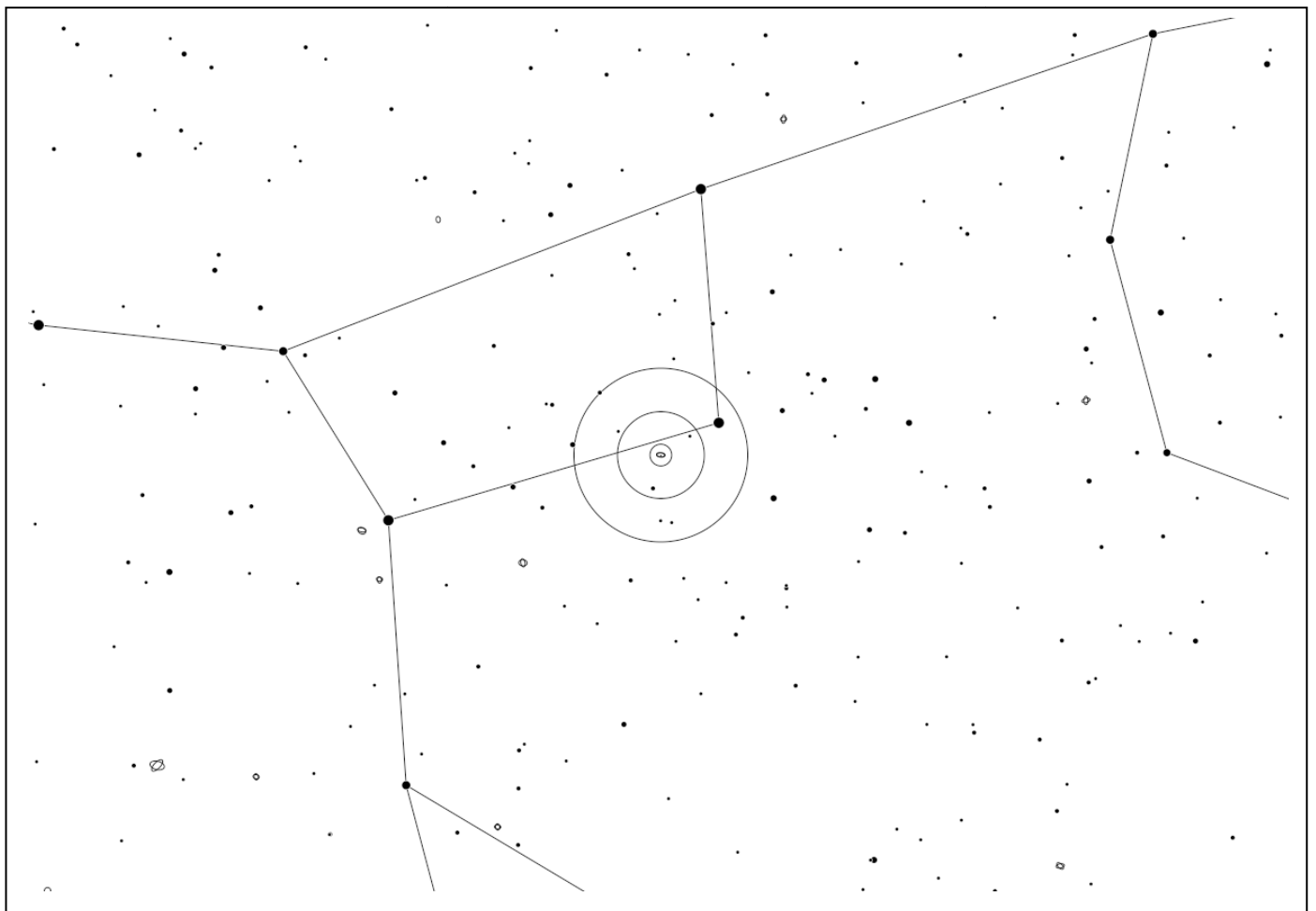


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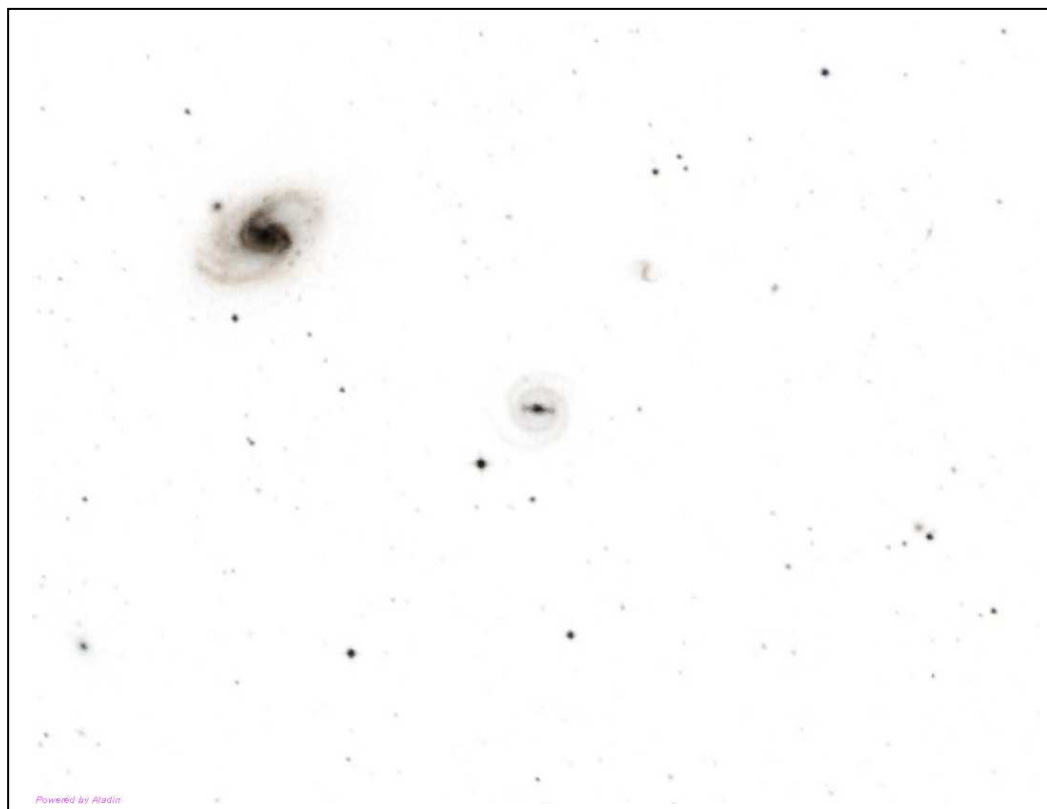
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3549	11h 10m 56.7s	+53° 23' 16"	Sc II-III	3.2'X1.2'	12,2

M 108 (NGC 3556)

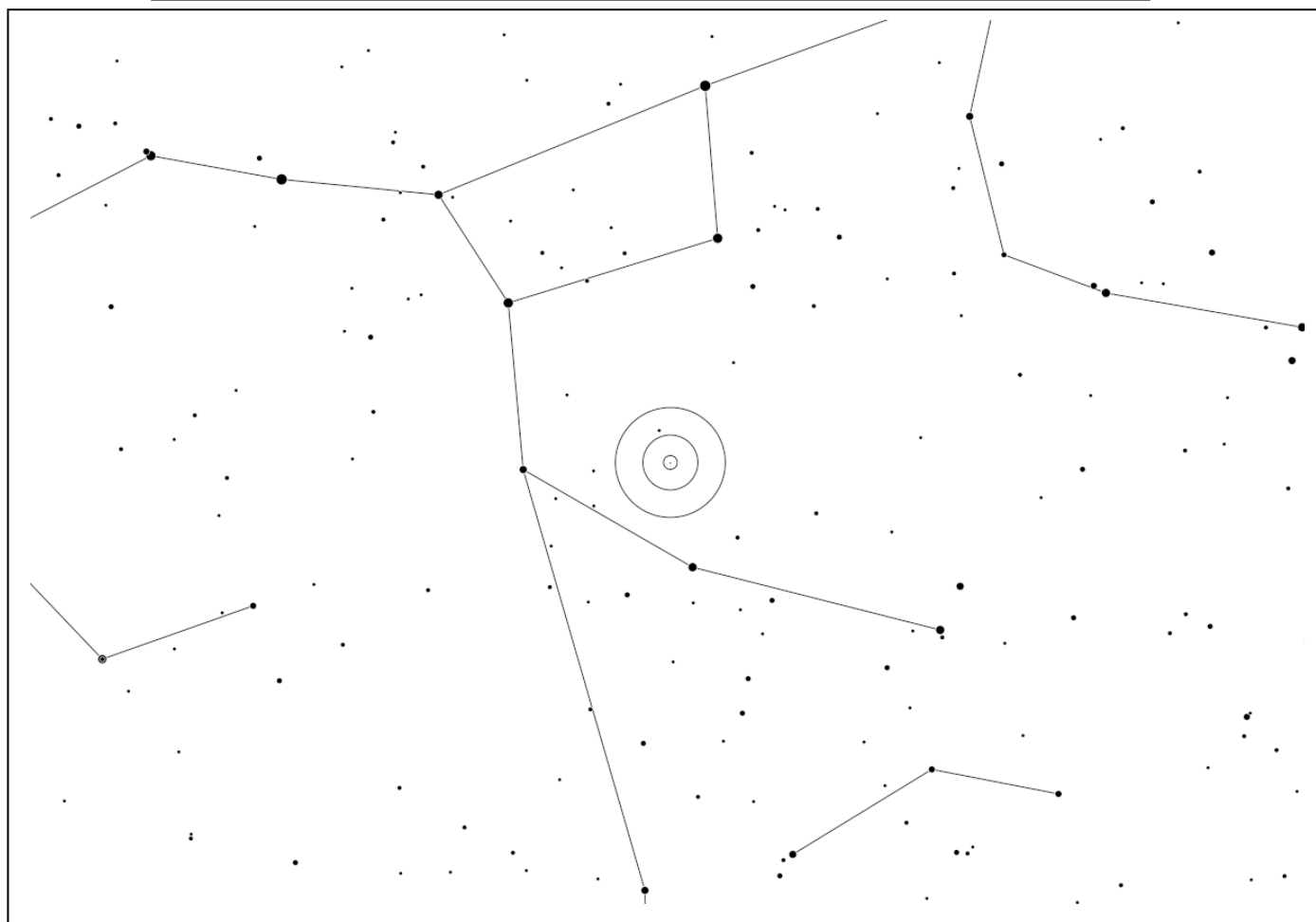


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3556	11h 11m 31.2s	+55° 40' 24"	Sc	8.7'X2.2'	10,2

NGC 3583-NGC 3577

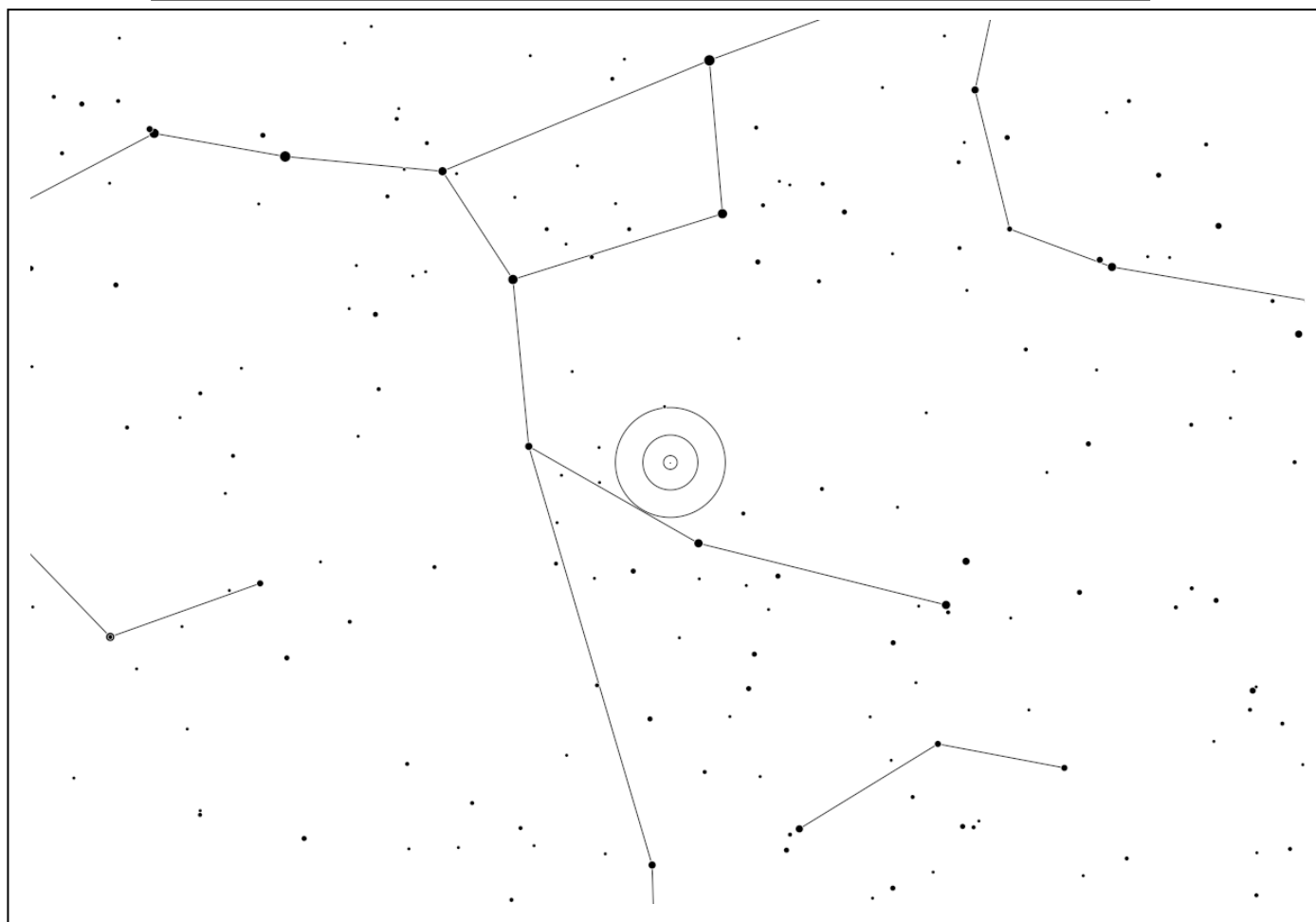
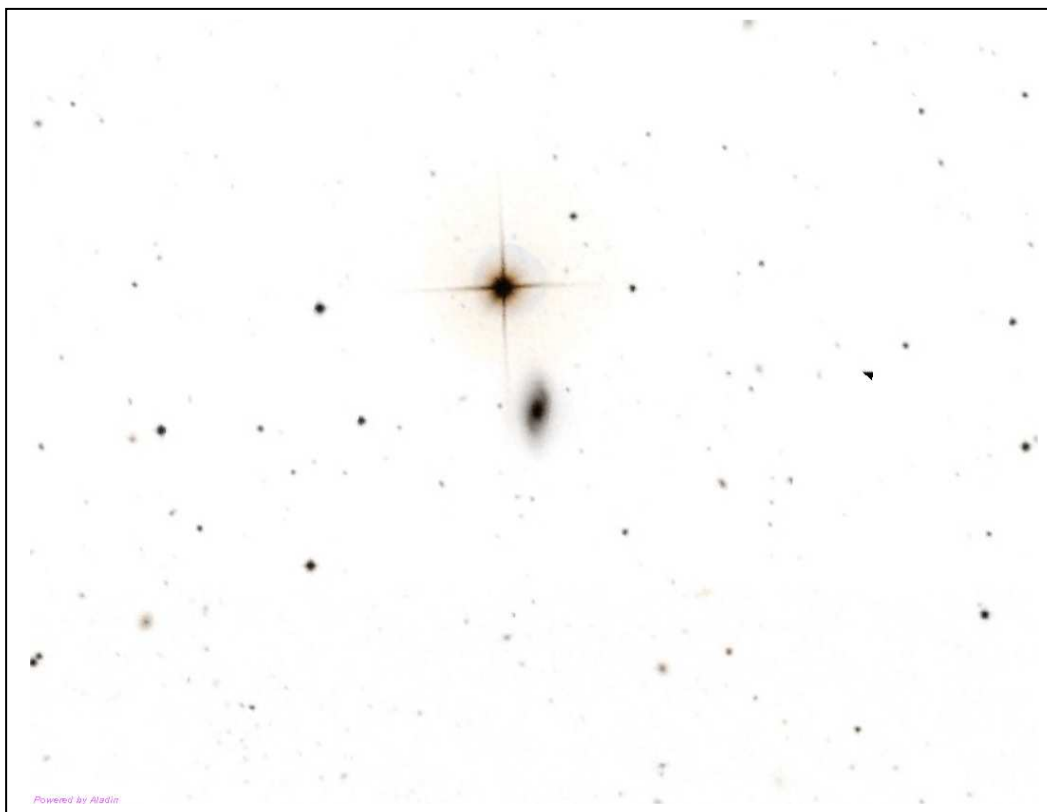


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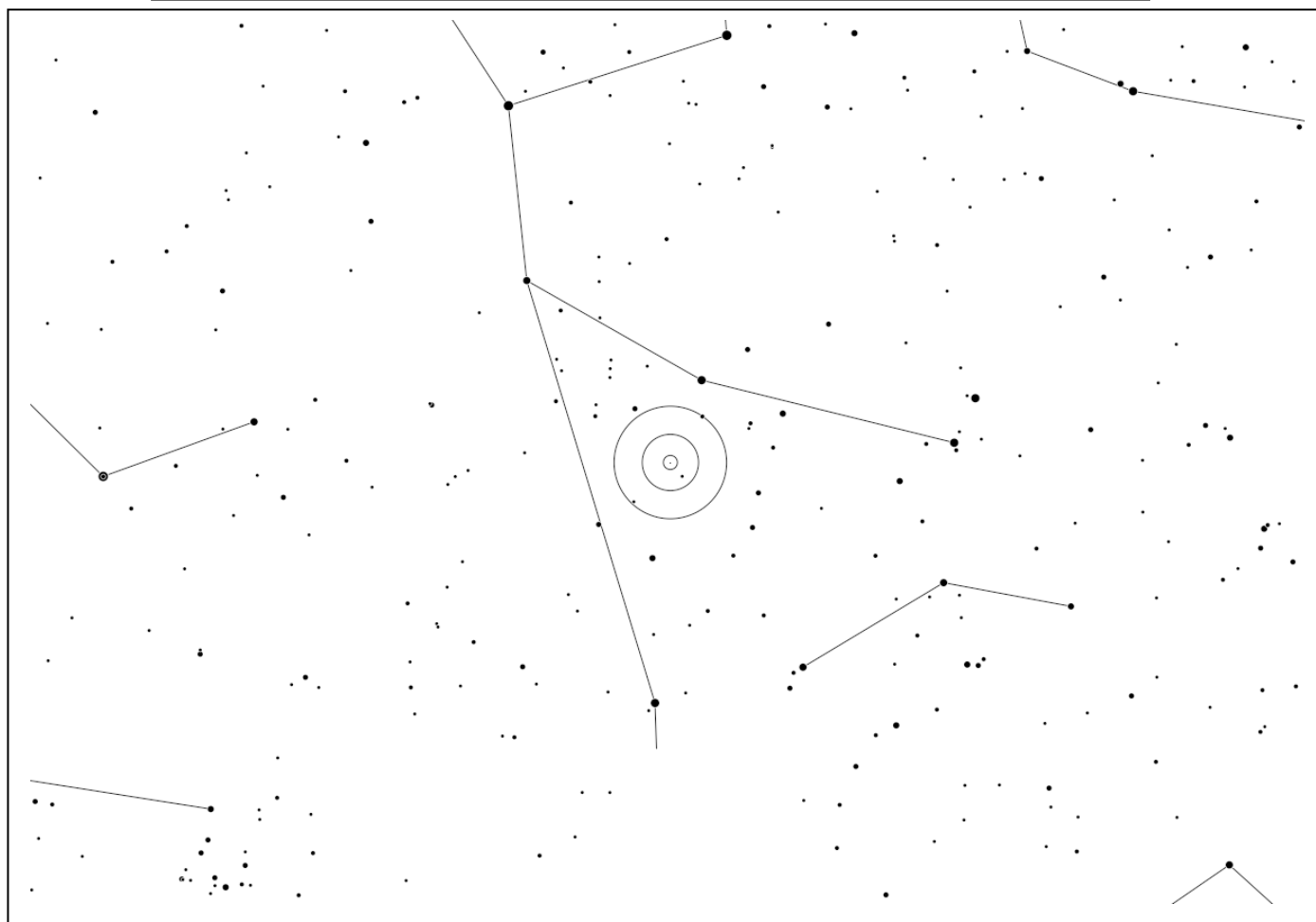
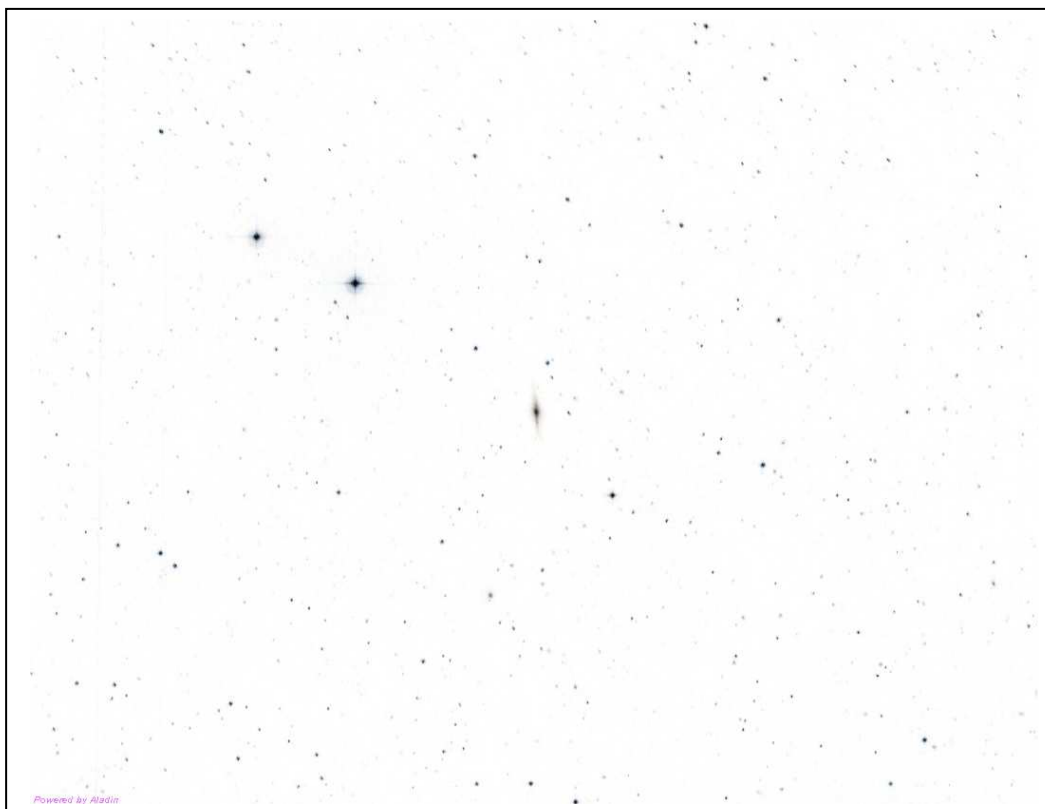
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3583	11h 14m 10.7s	+48° 19' 06"	SBb II	2.8'X1.8'	11,3
3577	11h 13m 44.9s	+48° 16' 21"	SBb	1.4'X1.4'	13,6

NGC 3595



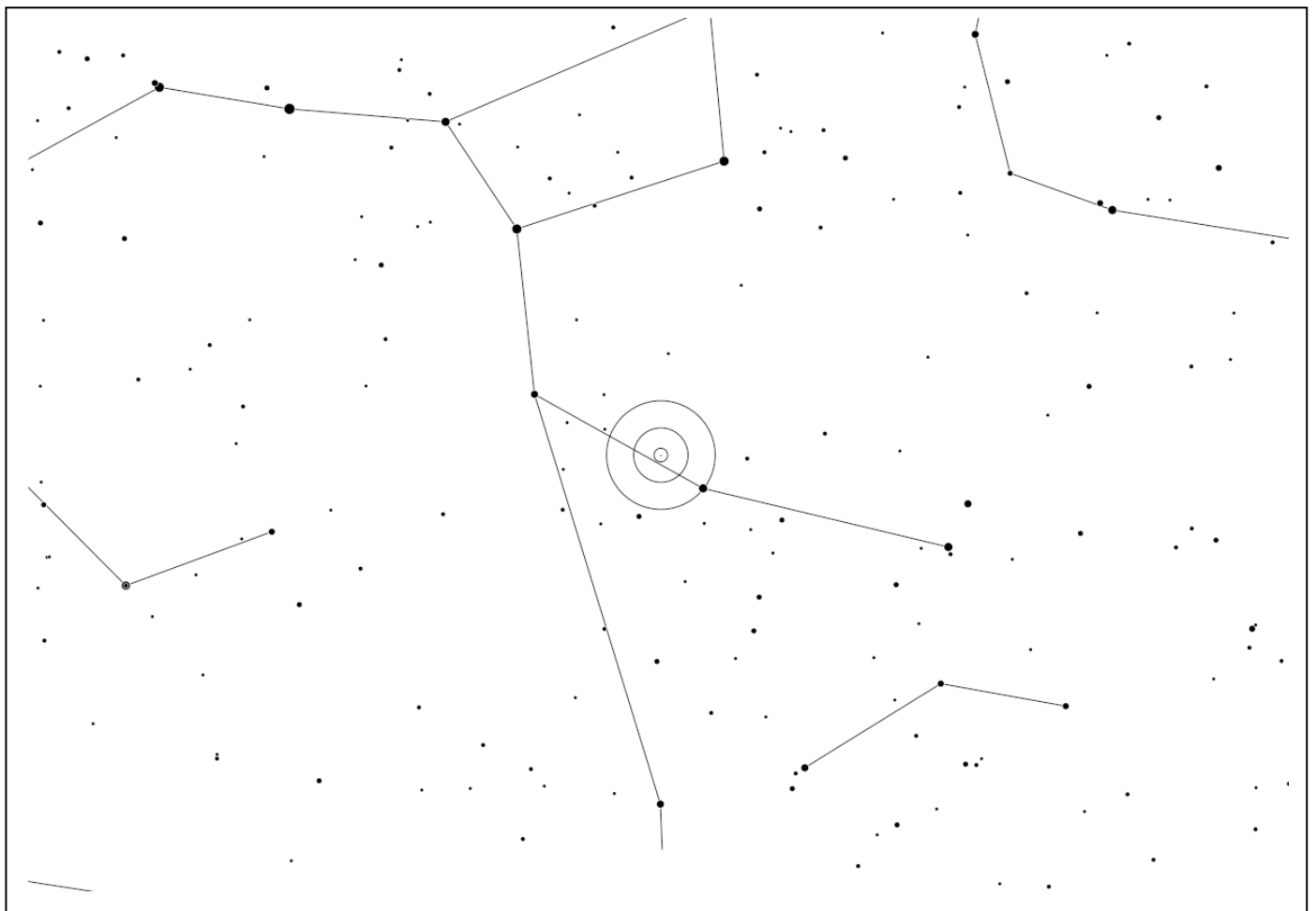
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3595	11h 15m 25.5s	+47° 26' 49"	E-S0	1.6'X0.7'	12,1

NGC 3600



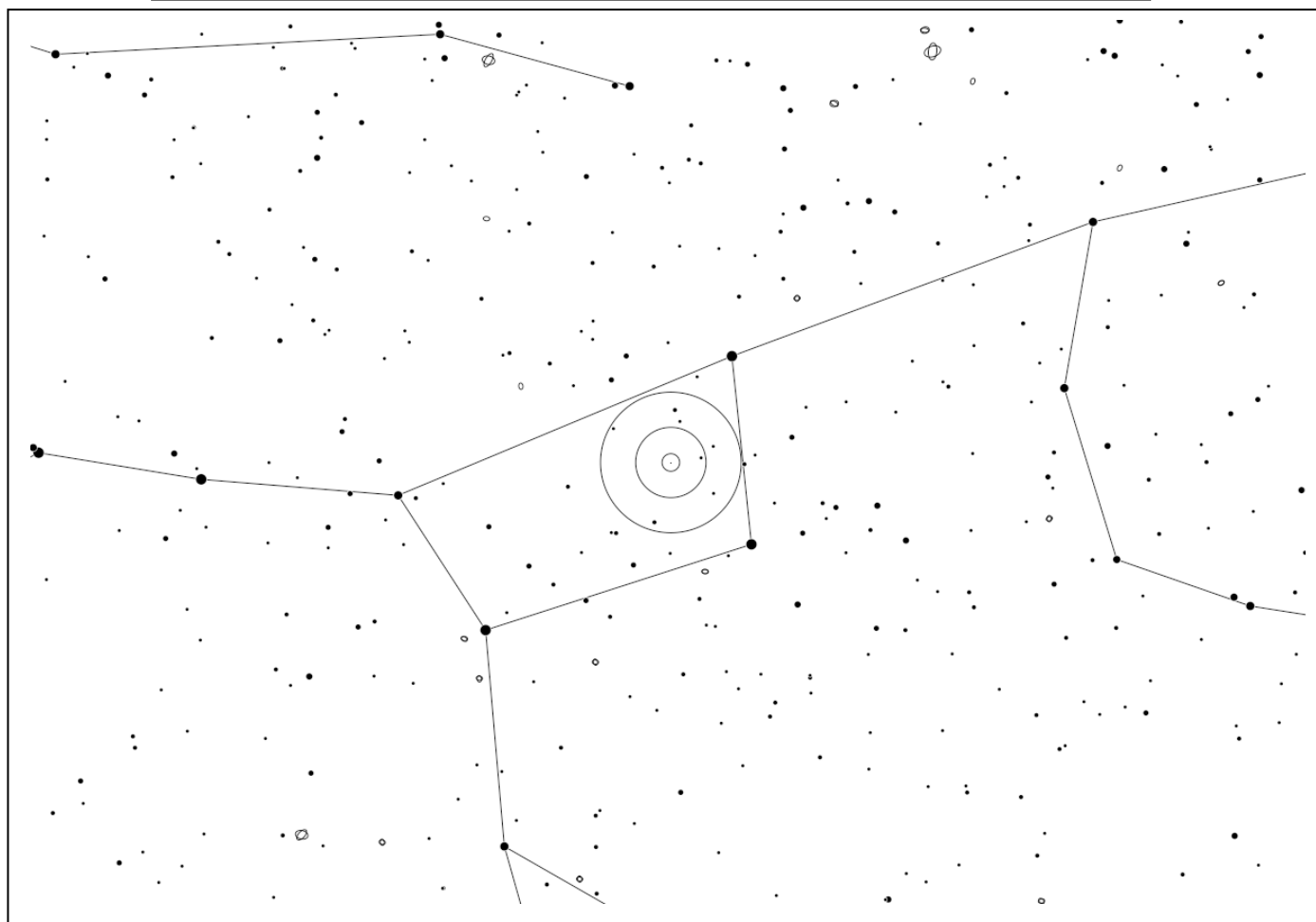
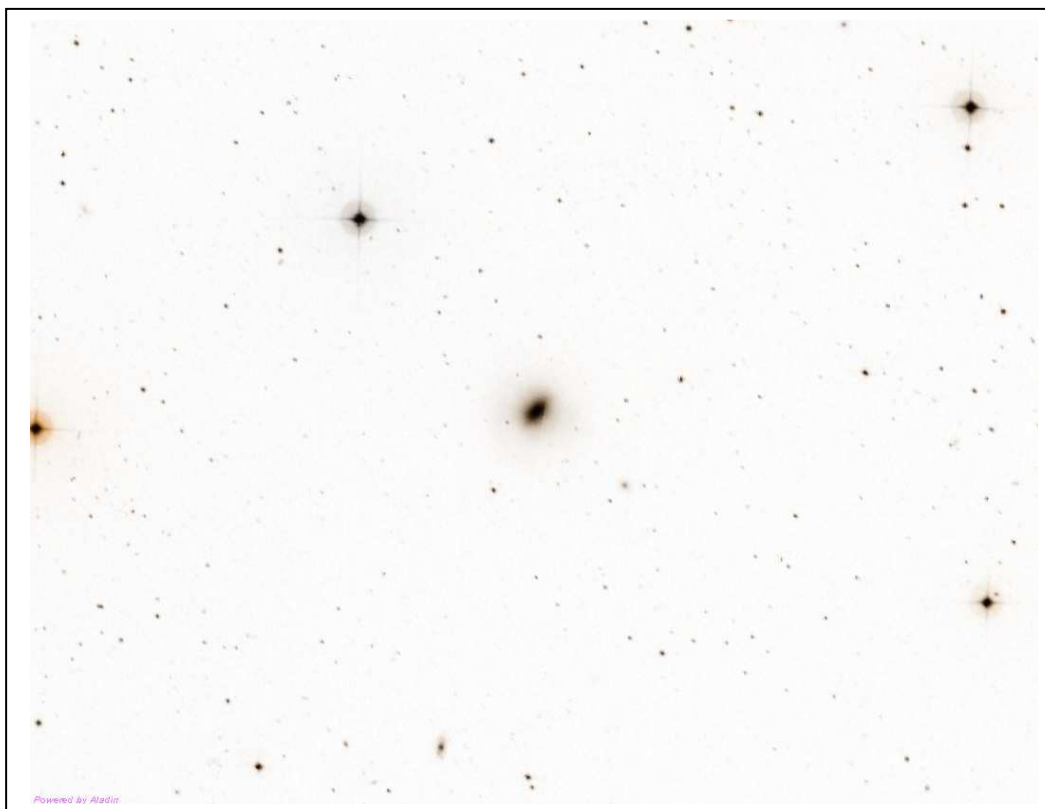
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3600	11h 15m 52.0s	+41° 35' 27"	Sa?	4.1'X0.9'	11,9

NGC 3614



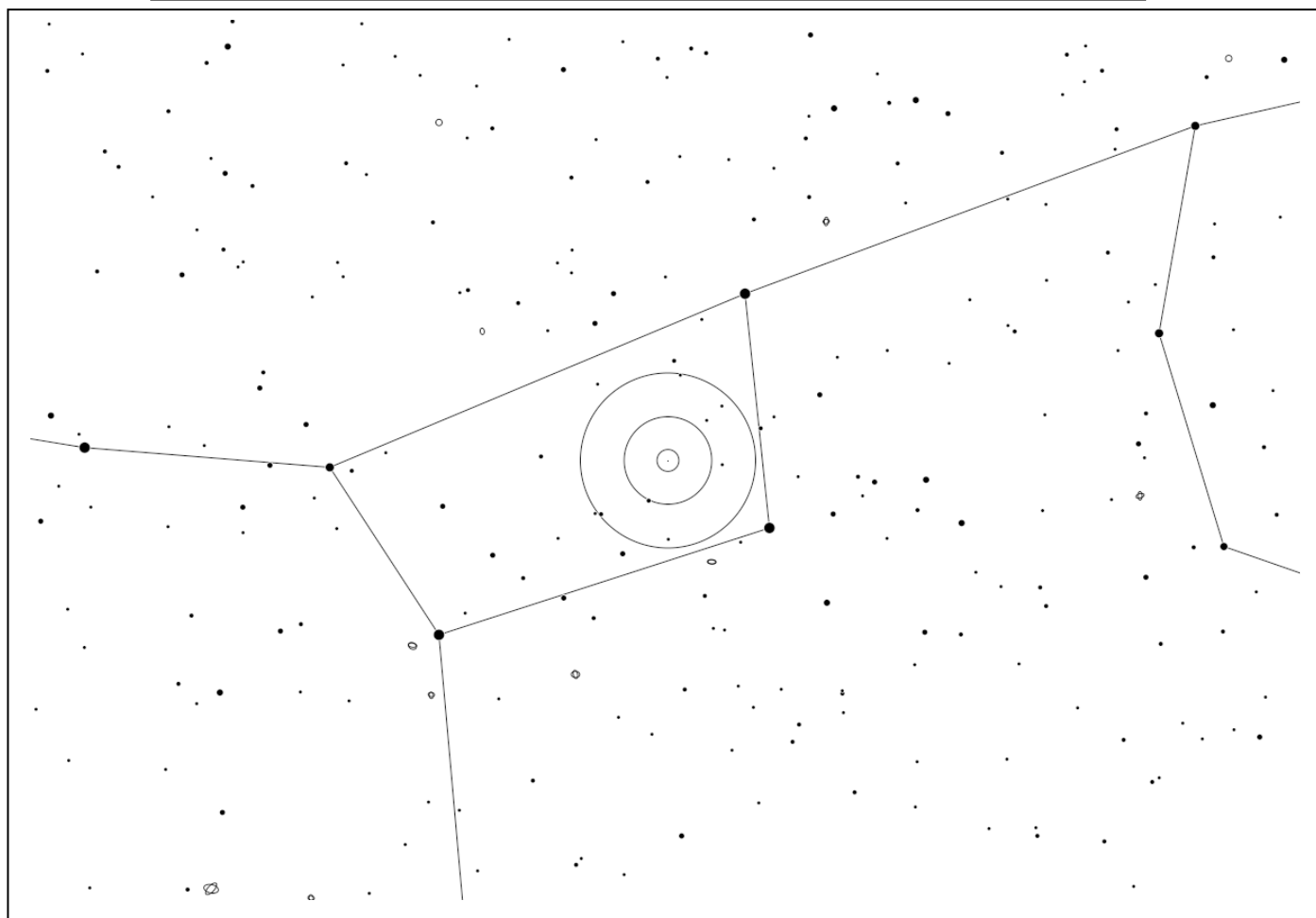
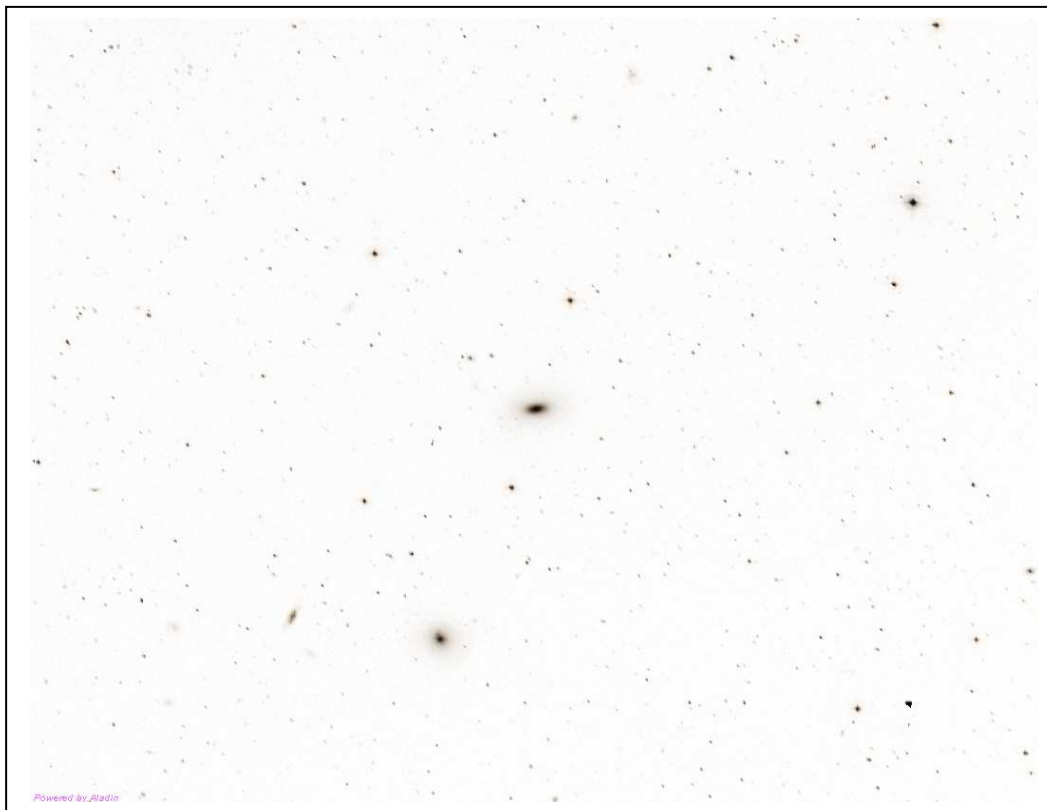
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3614	11h 18m 21.3s	+45° 44' 52"	Sc II	4.6'X2.6'	11,8

NGC 3610



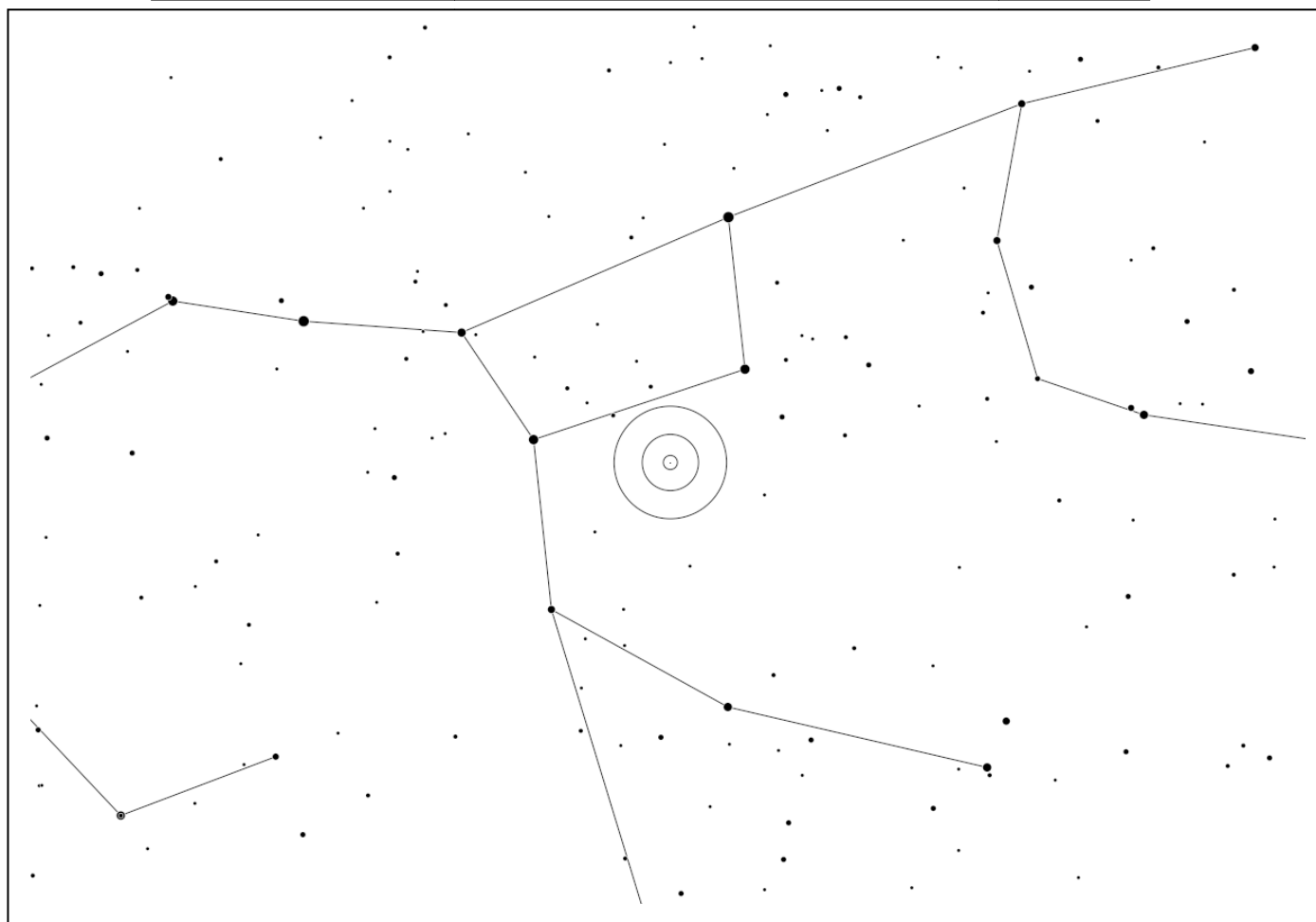
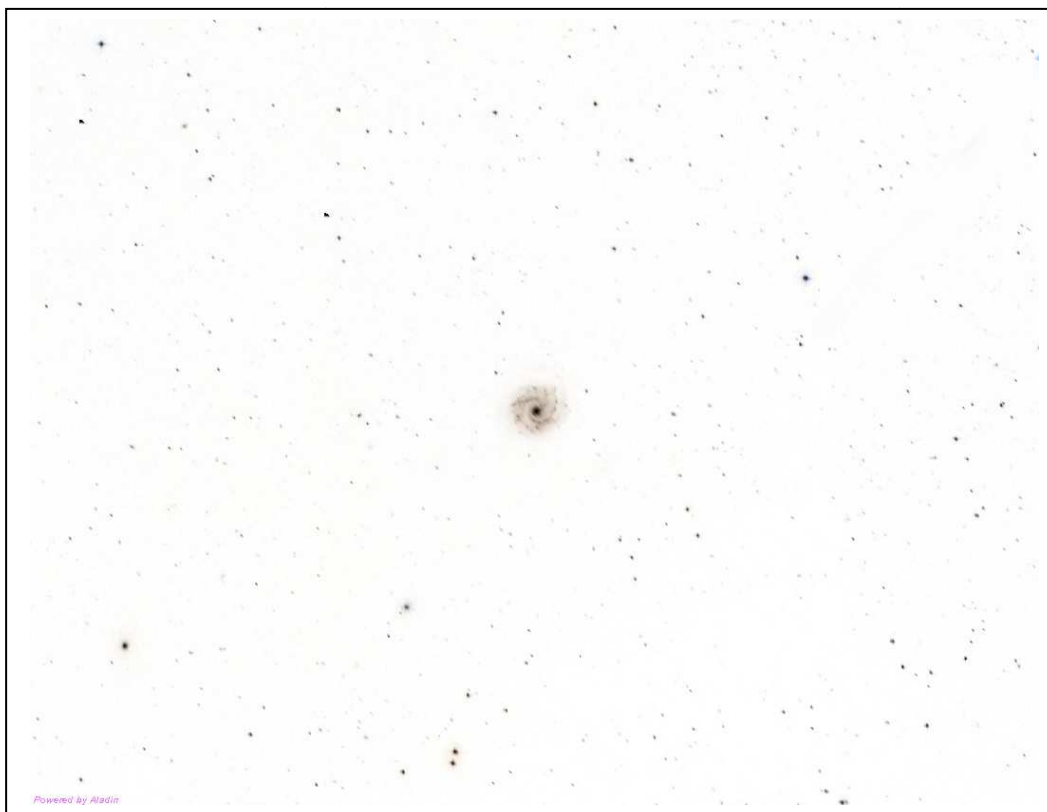
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3610	11h 18m 25.3s	+58° 47' 10"	S0	2.7'X2.3'	10,5

NGC 3613 – NGC 3619



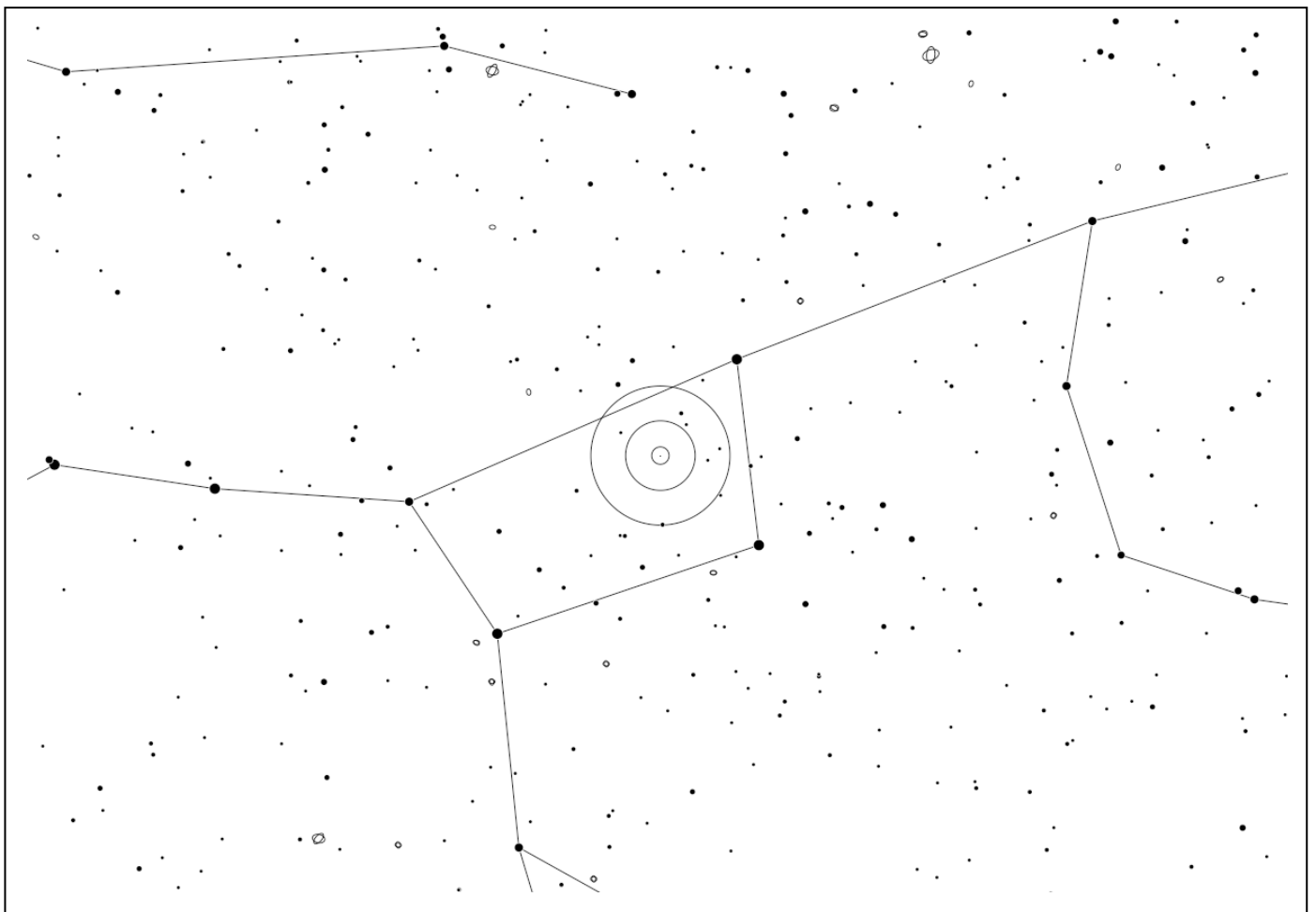
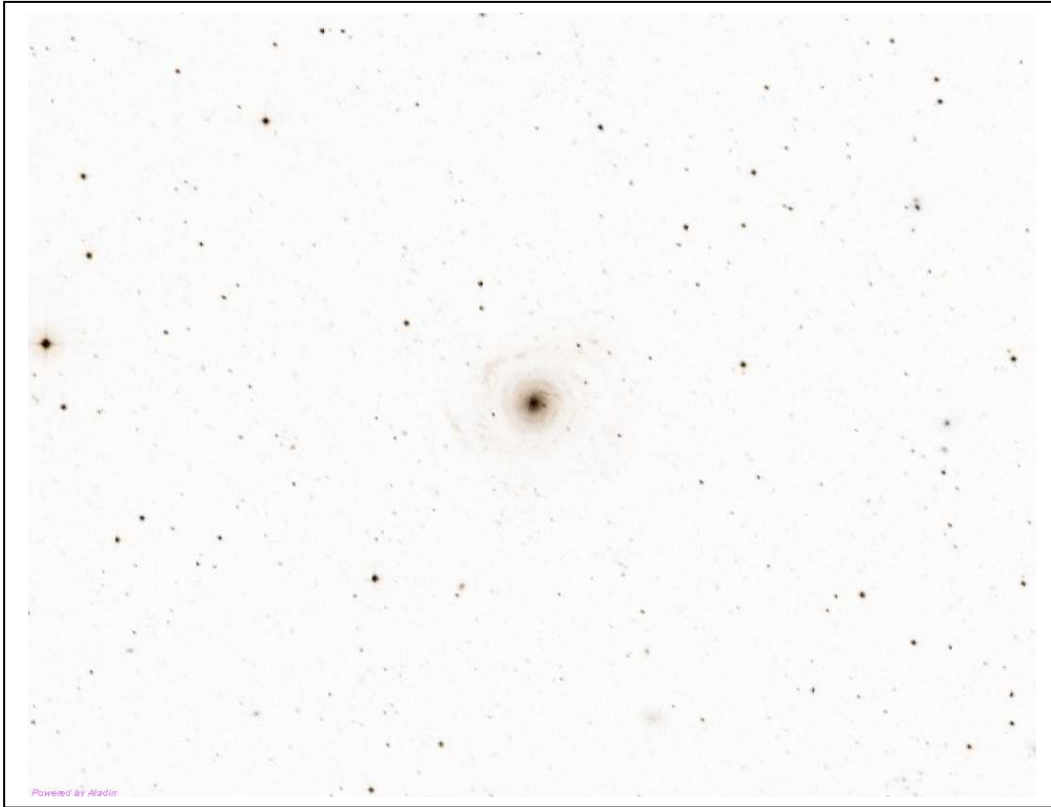
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3613	11h 18m 36.1s	+57° 59' 59"	E-S0	3.9'X1.9'	10,7
3619	11h 19m 21.6s	+57° 45' 29"	S0/Sa	2.7'X2.3'	11,5

NGC 3631



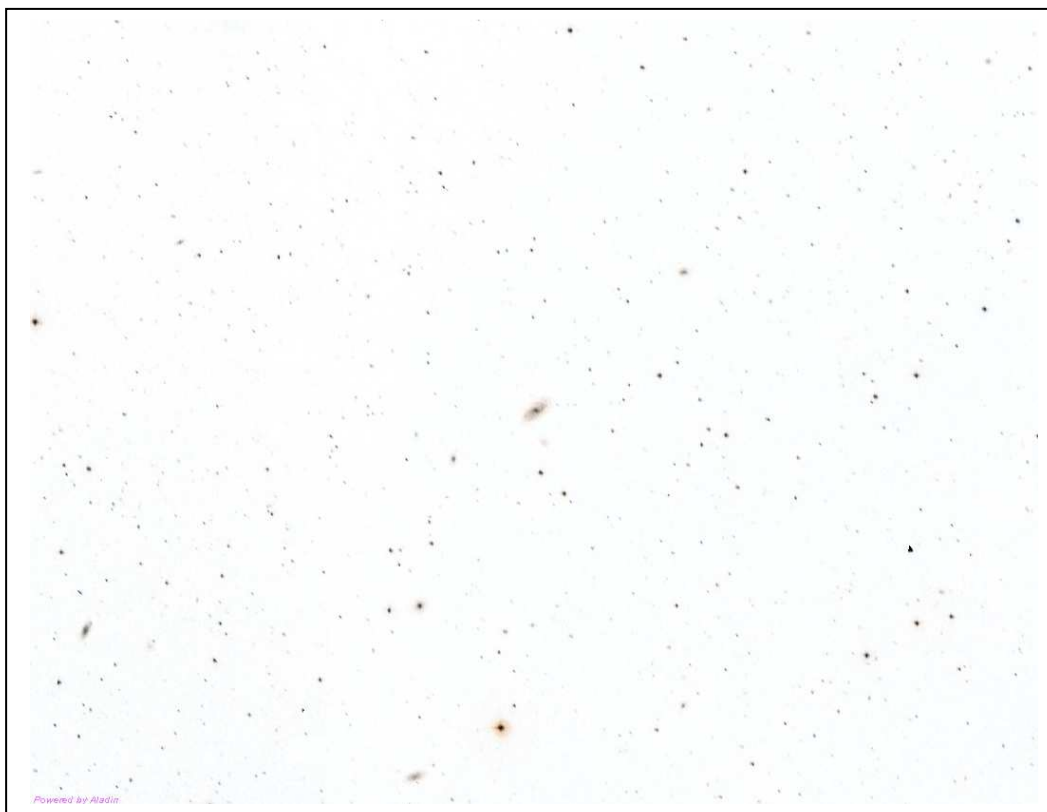
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3631	11h 21m 02.9s	+53° 10' 09"	Sc I	5.0'X4.8'	10,6

NGC 3642

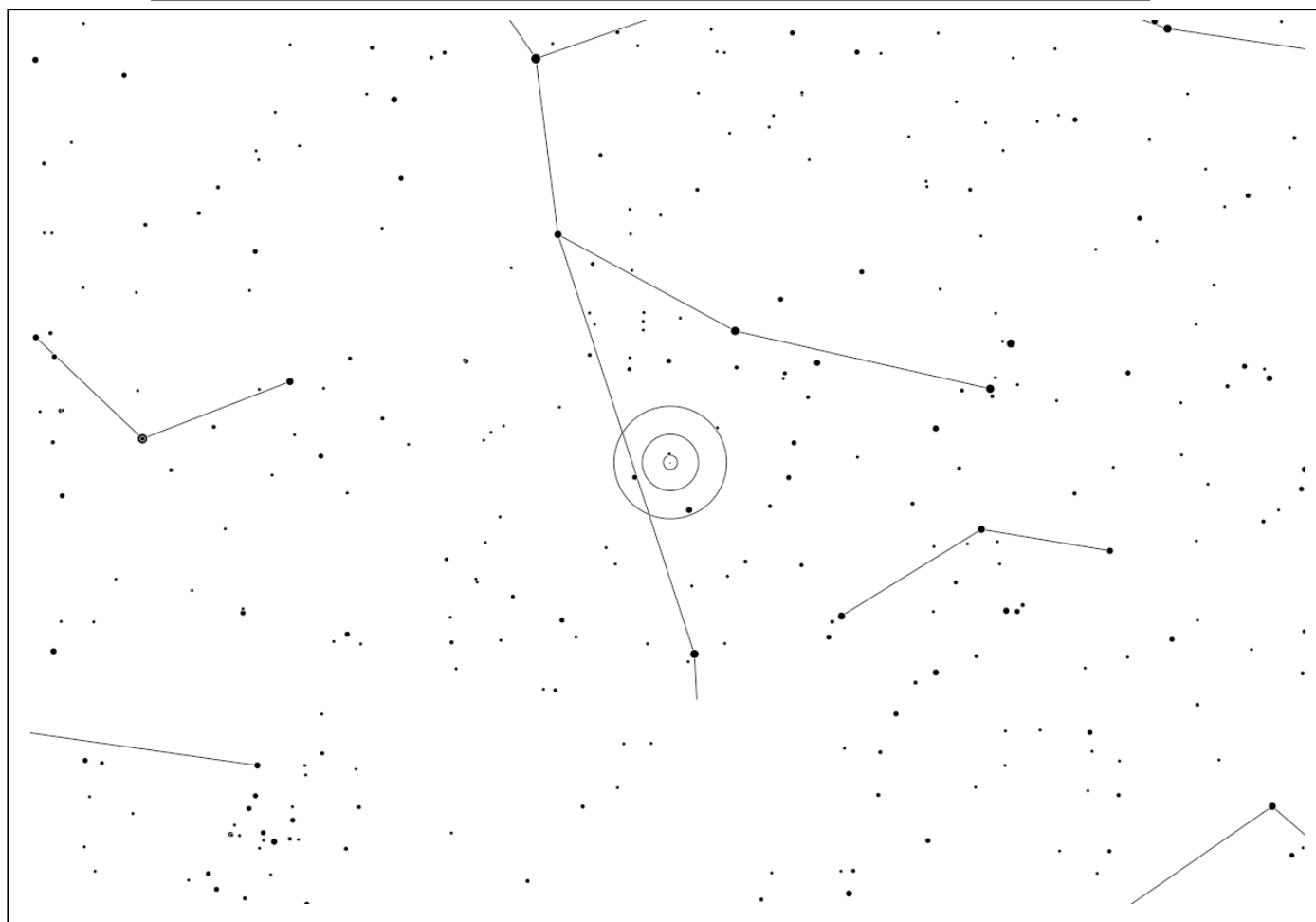


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3642	11h 22m 18.0s	+59° 04' 27"	Sb/Sc I	5.4'X4.5'	10,9

NGC 3648

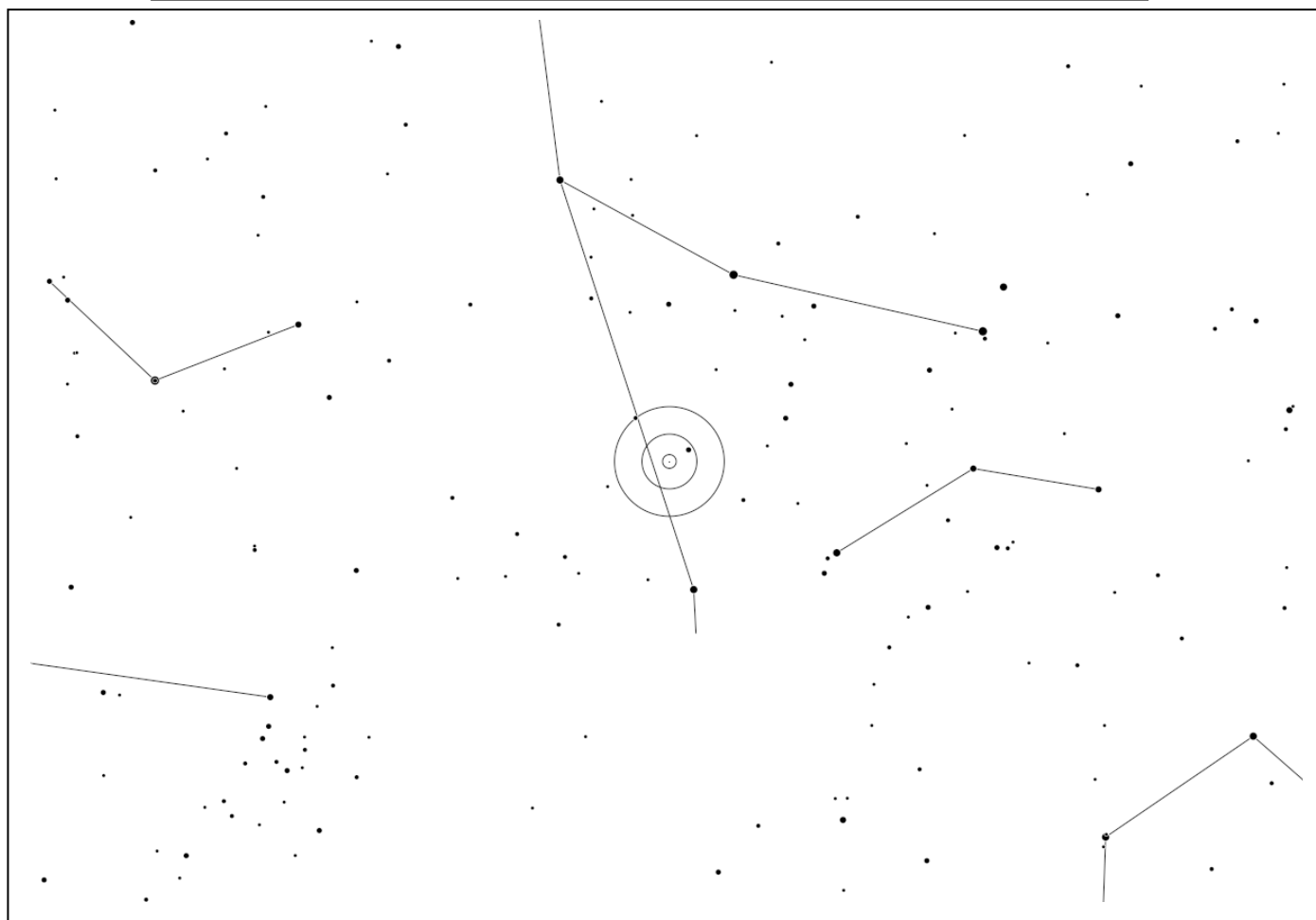


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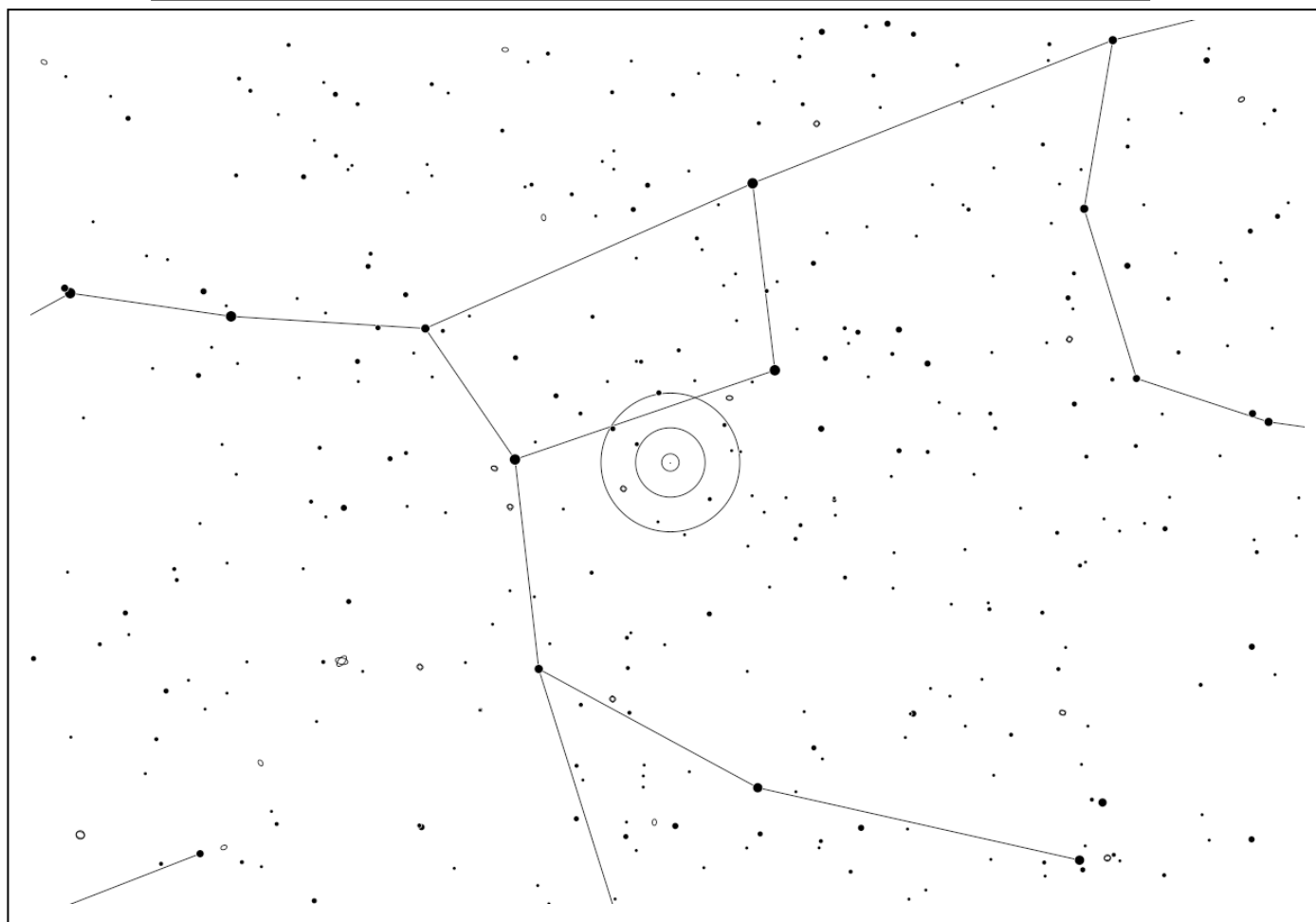
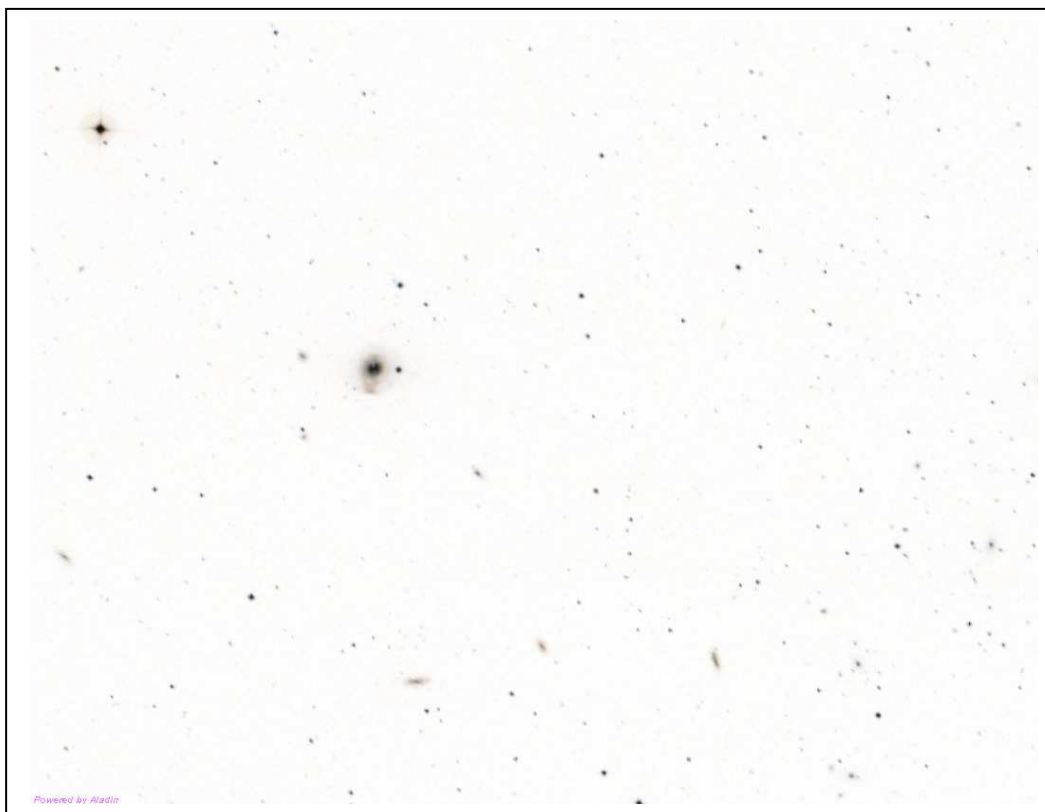
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3648	11h 22m 31.5s	+39° 52' 36"	S0	1.3'X0.8'	12,7

NGC 3652



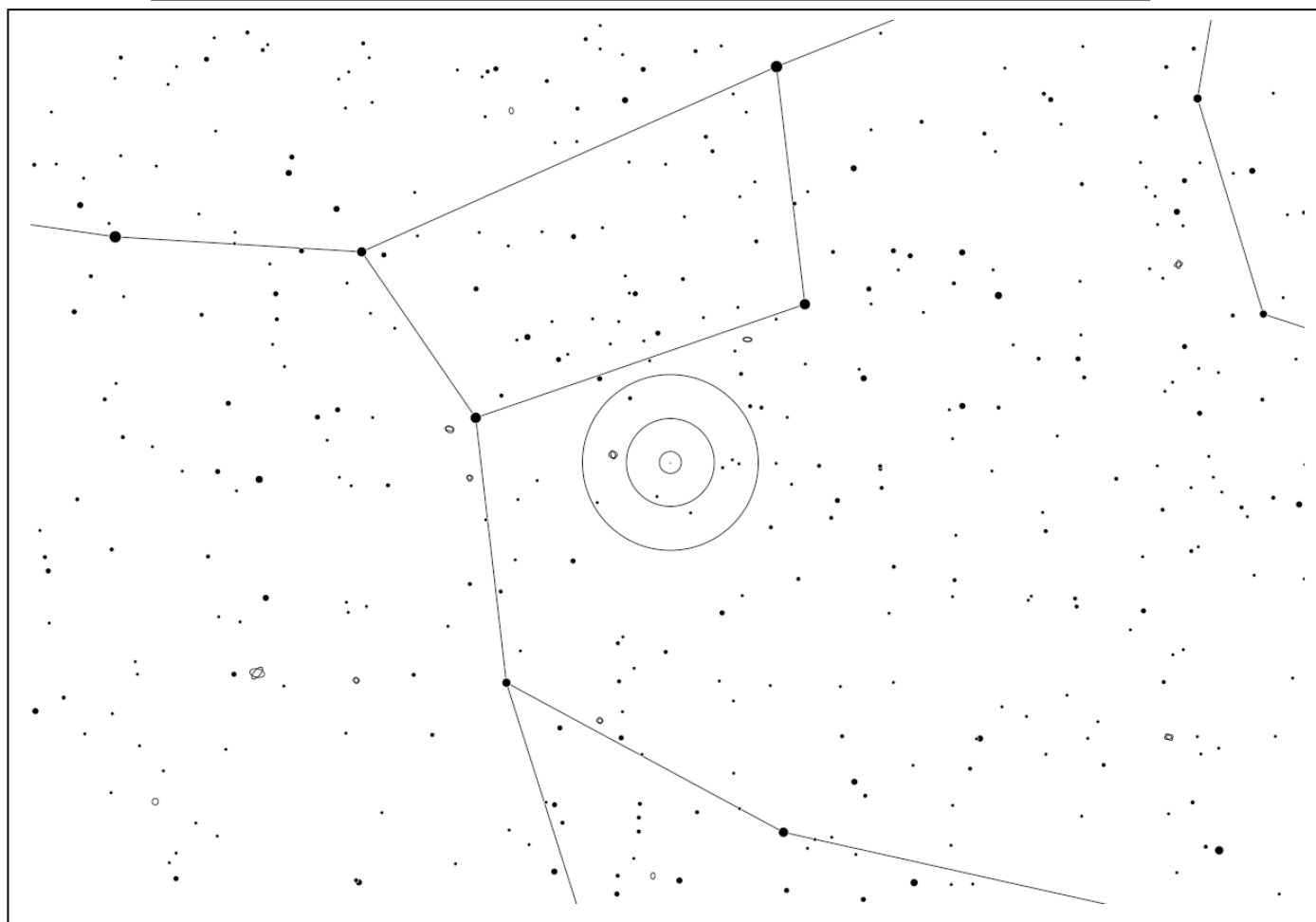
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3652	11h 22m 39.0s	+37° 45' 53"	S[Bc]	2.0'X0.7'	12,4

NGC 3656 (ARP 155)



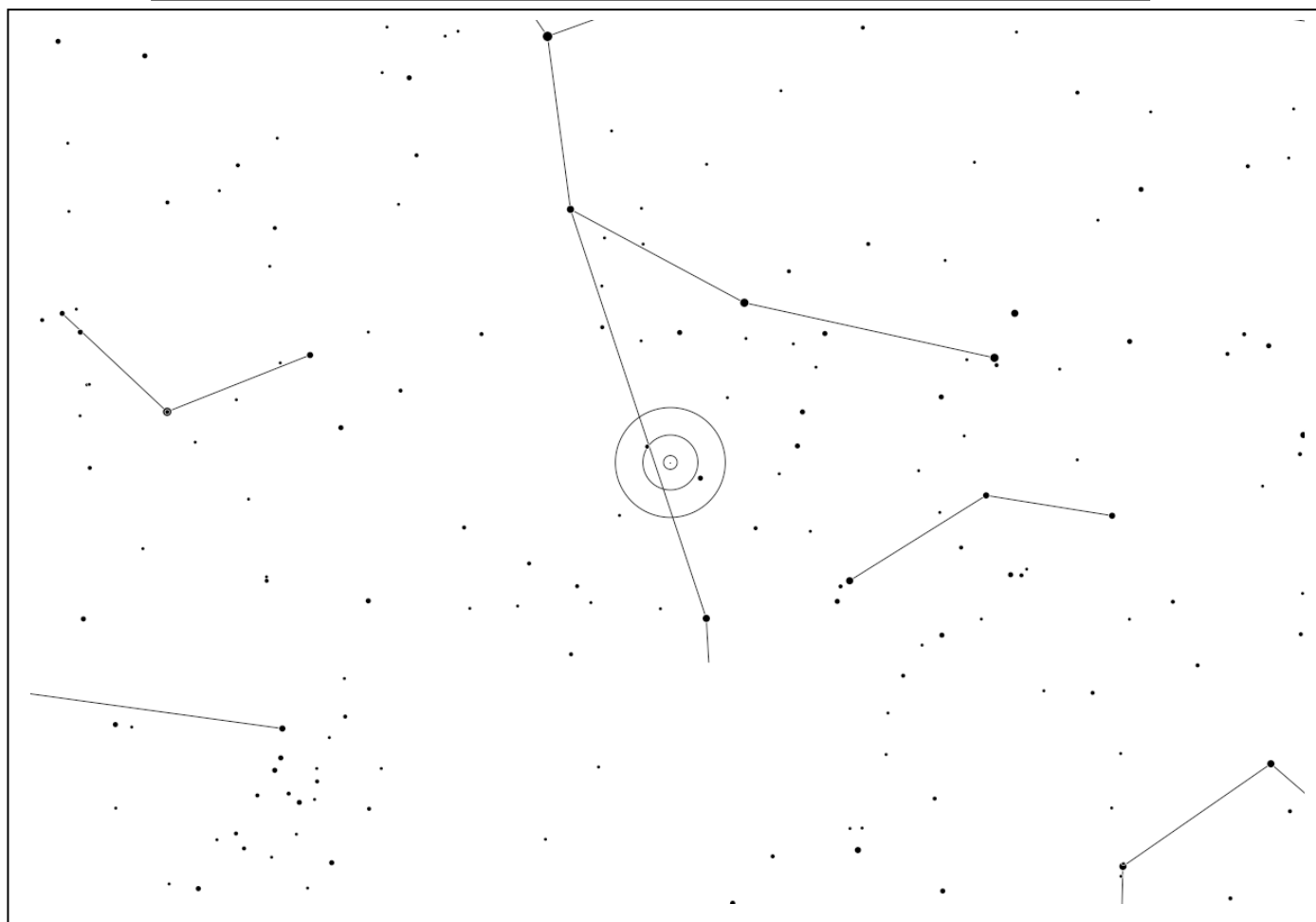
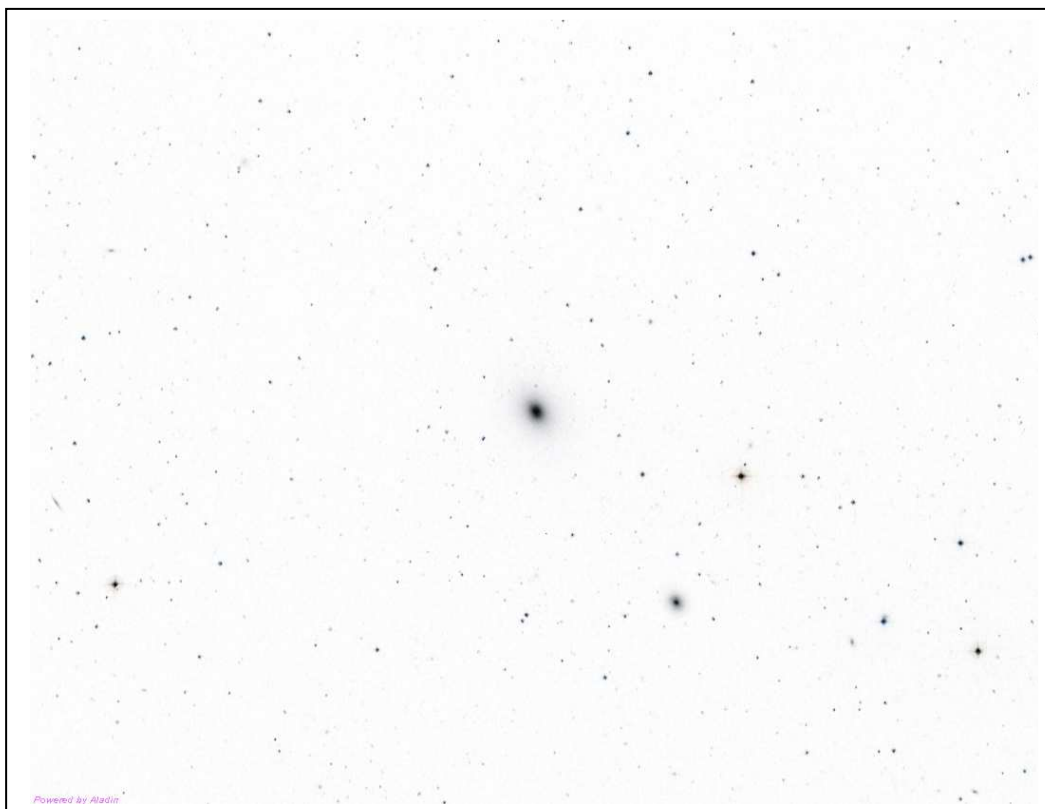
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3656 (ARP 155)	11h 23m 38.5s	+53° 50' 31"	E?	1.6'X1.6'	12,9

NGC 3657



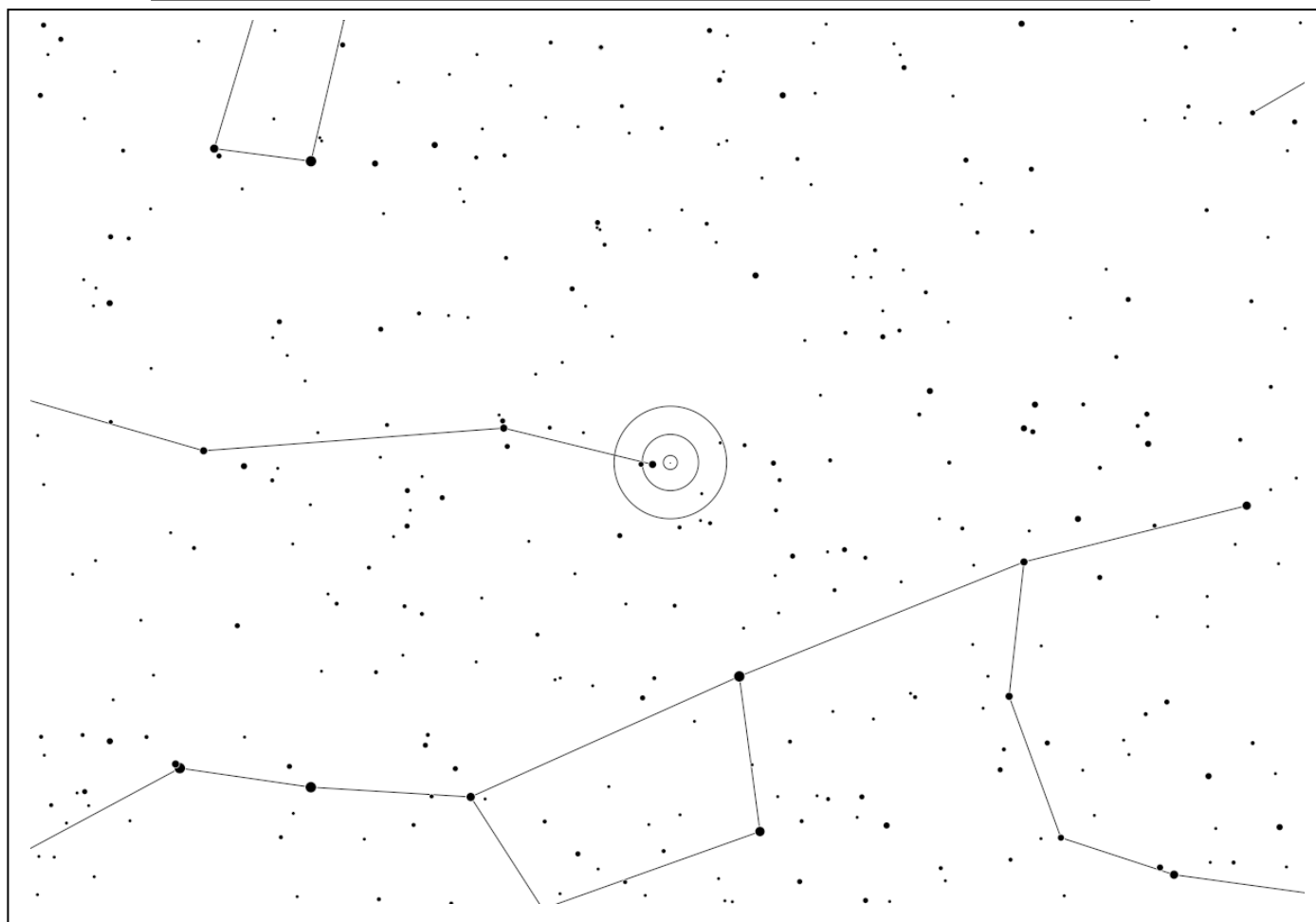
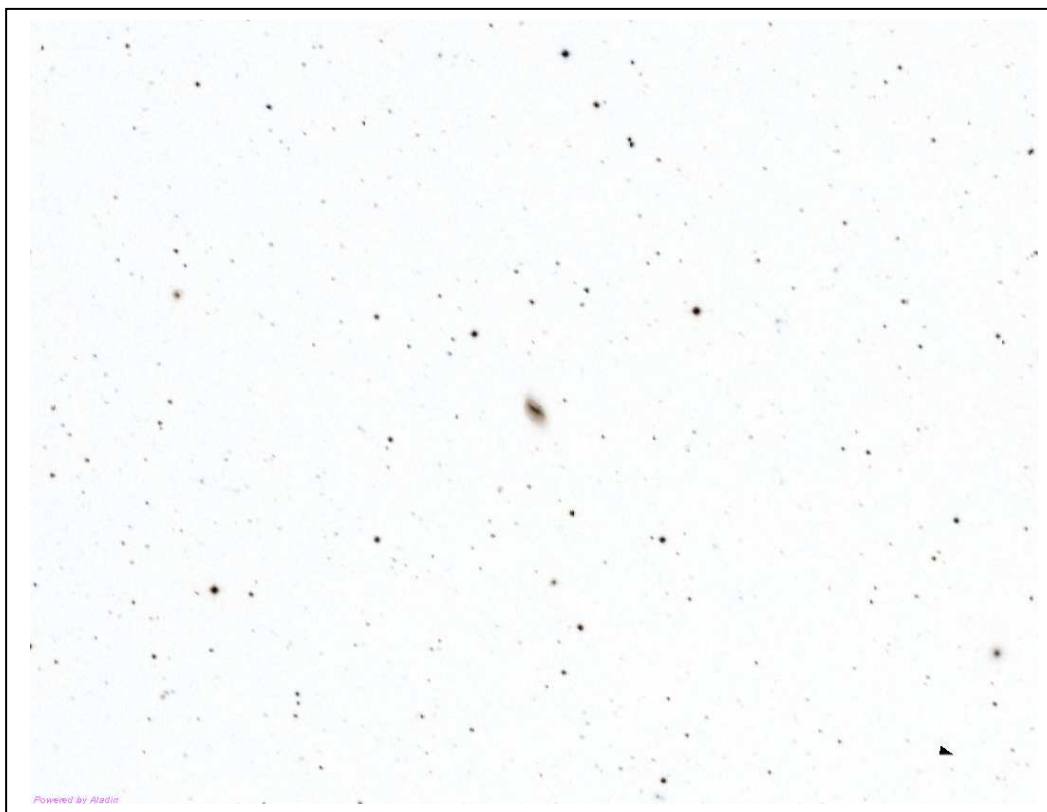
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3657	11h 23m 55.6s	+52° 55' 15"	SBc/P	1.0' X 0.8'	12,6

NGC 3665 –NGC3658



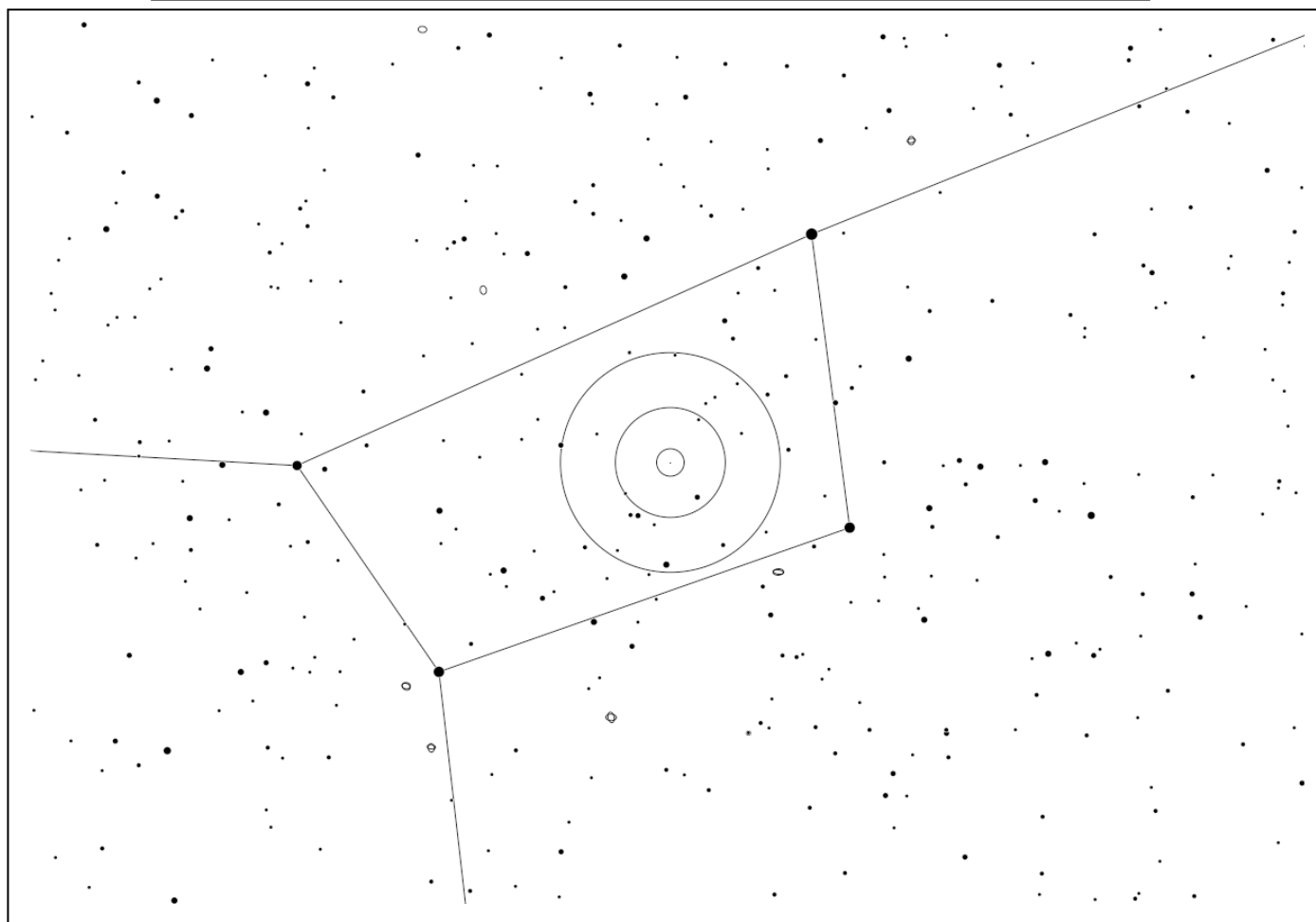
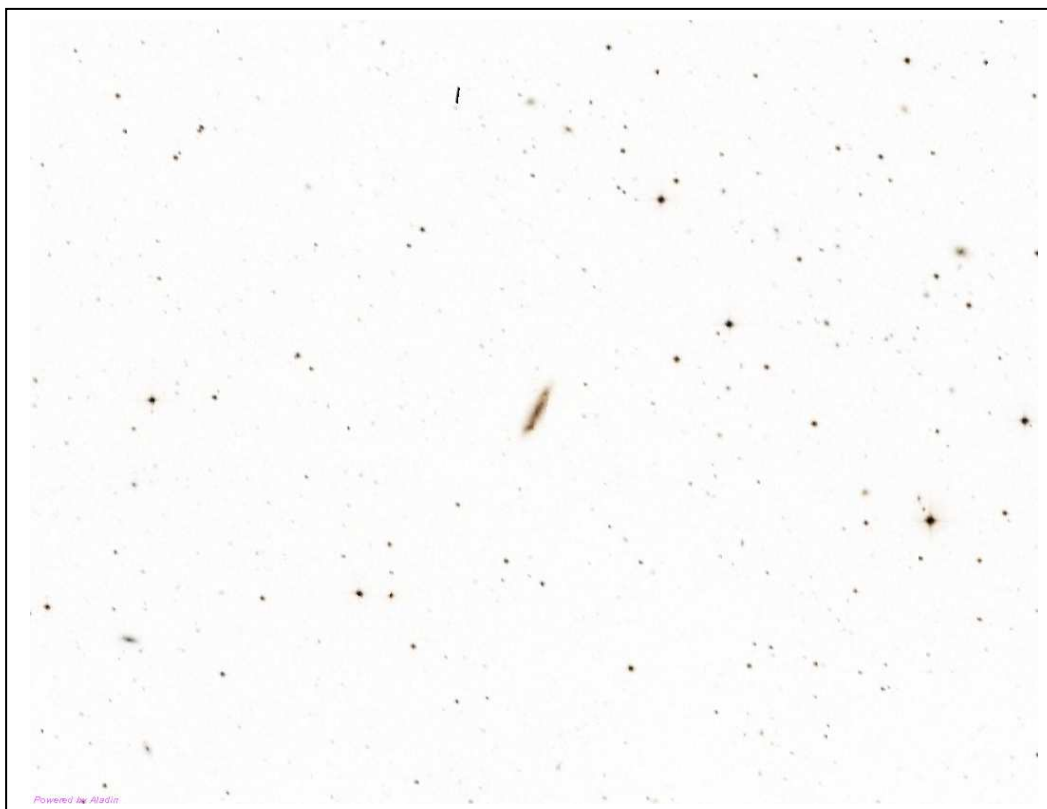
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3665	11h 24m 43.7s	+38° 45' 47"	E-S0	2.5'X2.0'	10,8
3658	11h 23m 58.2s	+38° 33' 44"	E-S0	1.6'X1.5'	12,3

NGC 3654



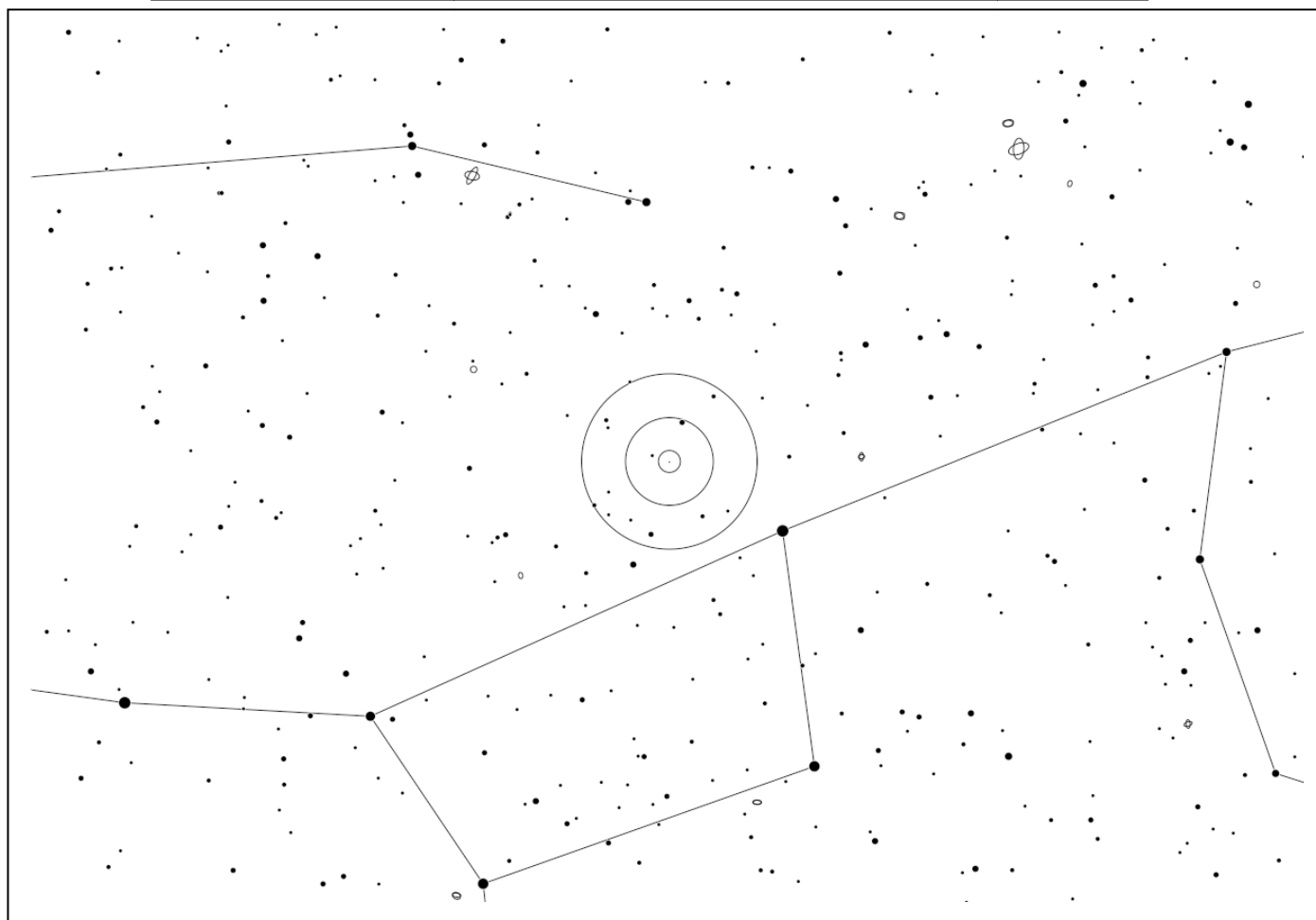
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3654	11h 24m 10.9s	+69° 24' 47"	S...	1.2'X0.6'	12,7

NGC 3669



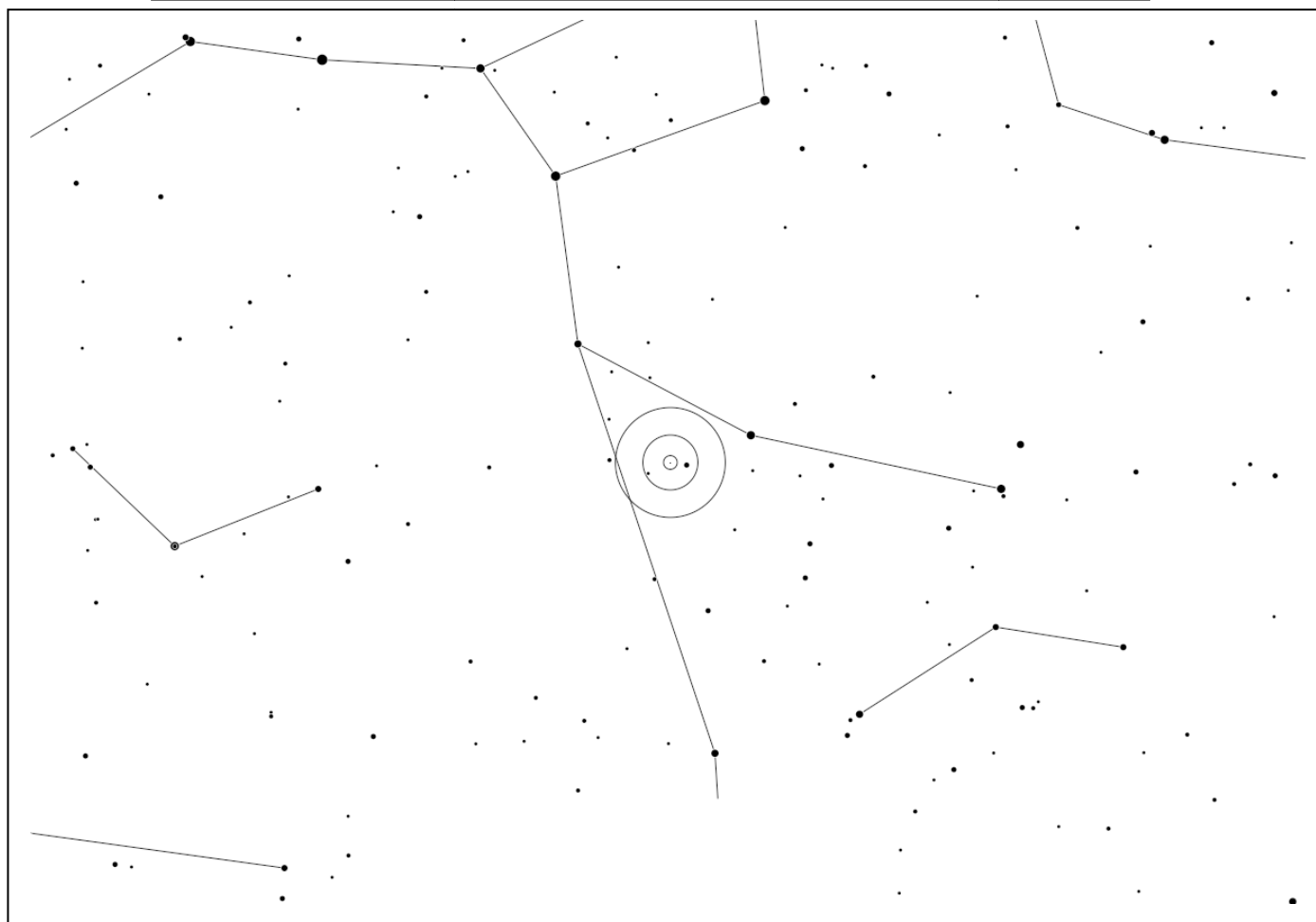
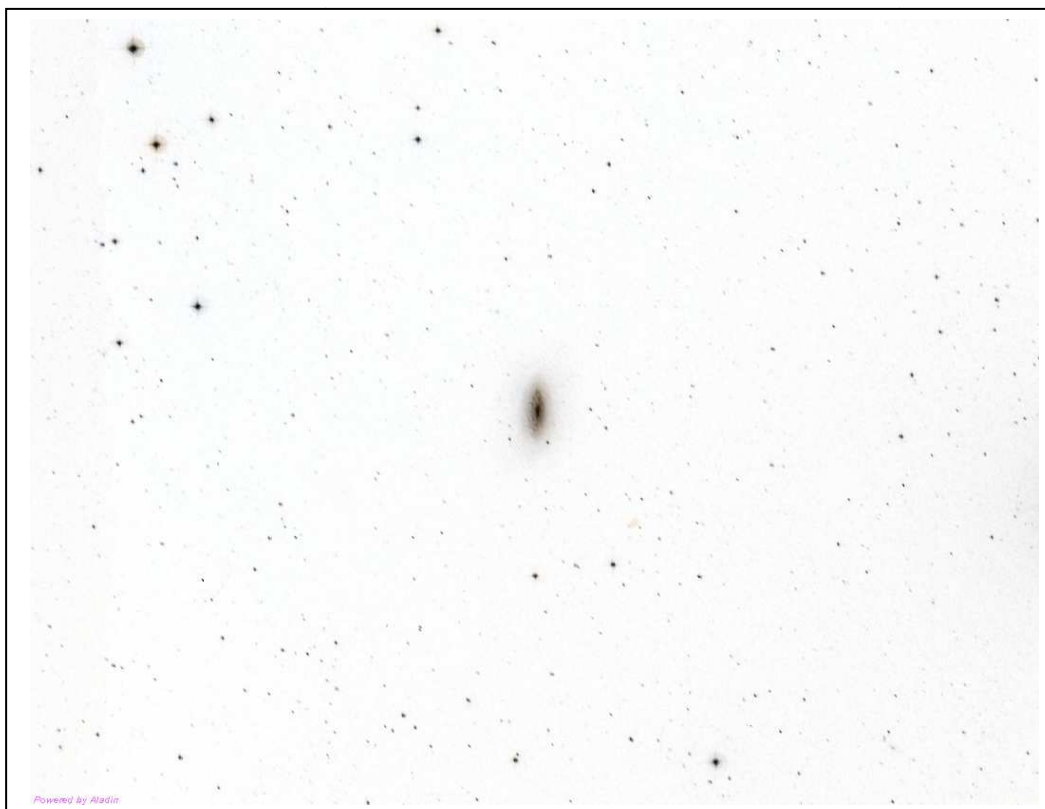
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3669	11h 25m 26.6s	+57° 43' 16"	SBcd Irr:	2.2'X0.5'	12,6

NGC 3668



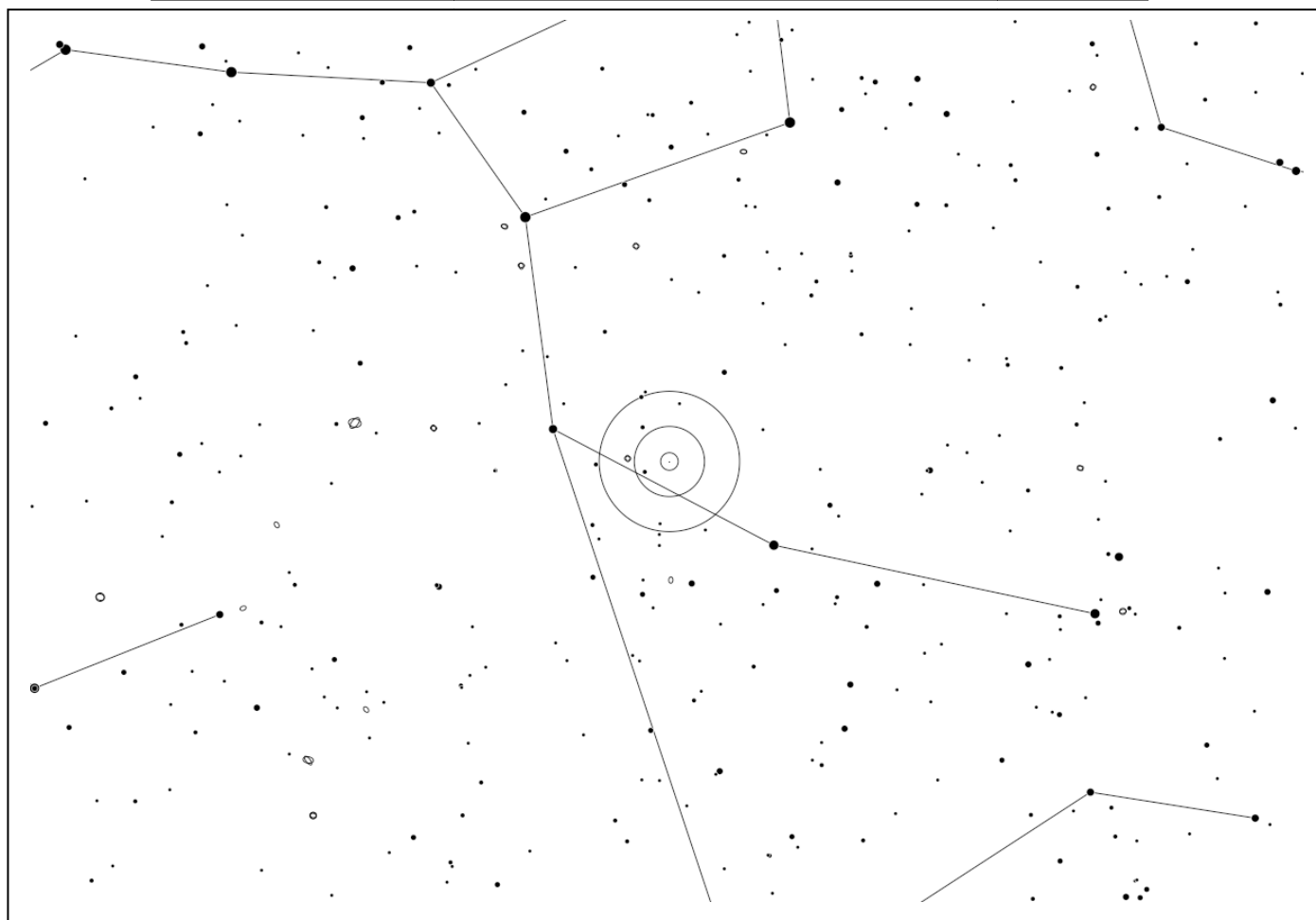
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3668	11h 25m 30.3s	+63° 26' 46"	Sb/Sc	2.1'X1.3'	12,5

NGC 3675



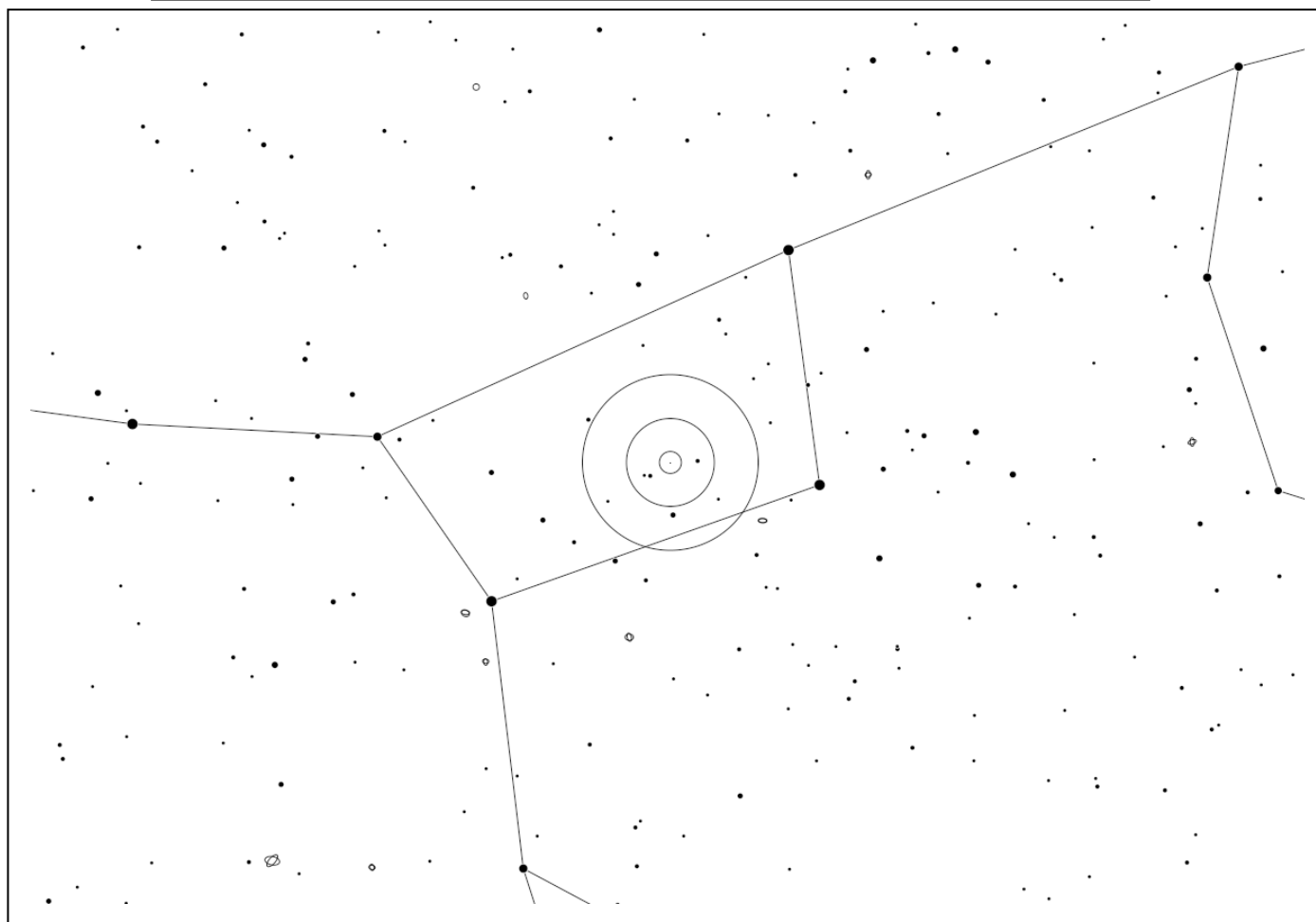
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3675	11h 26m 07.9s	+43° 35' 10"	Sb II	5.9'X3.1'	10,2

NGC 3677



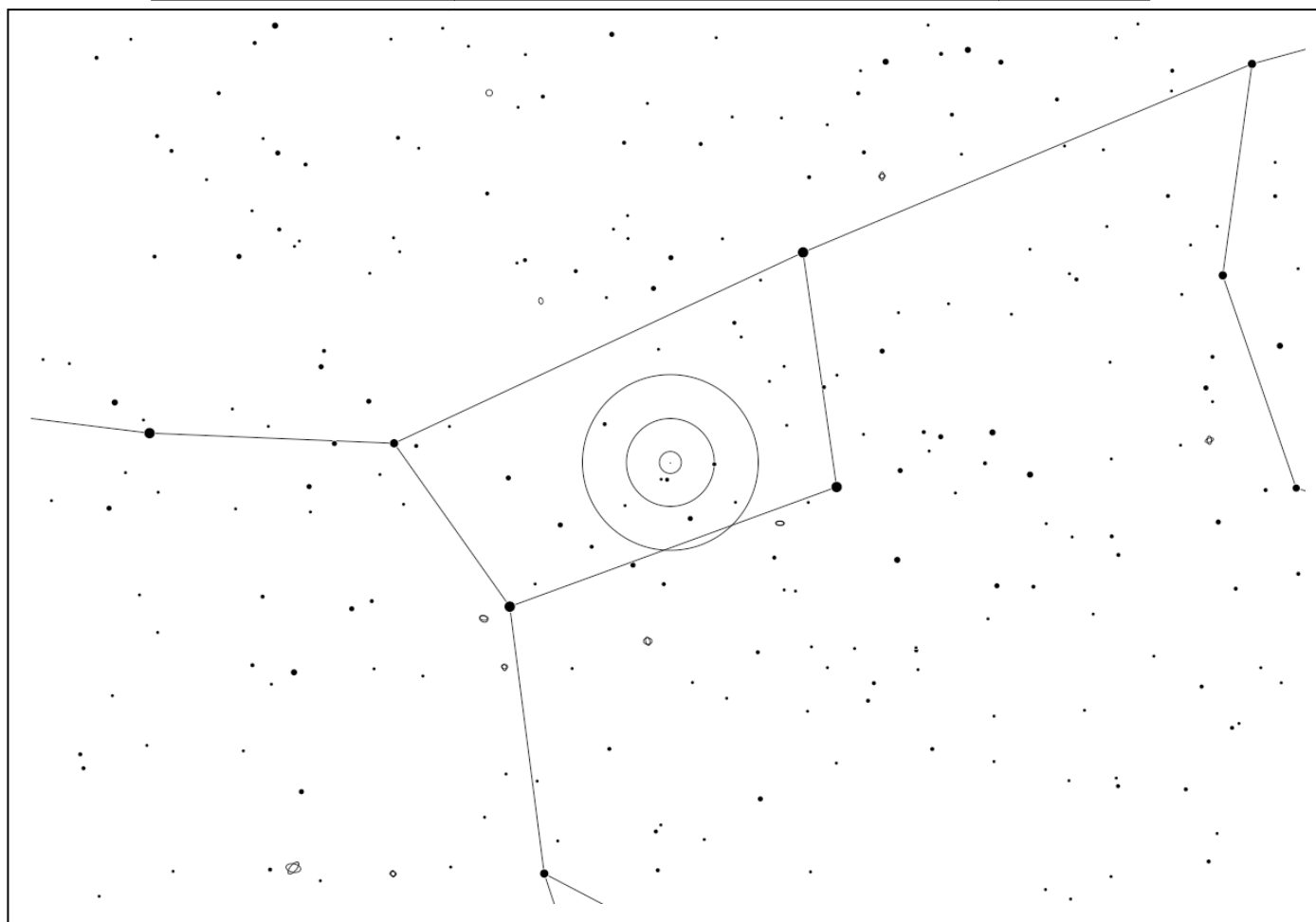
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3677	11h 26m 17.7s	+46° 58' 26"	Sa:	1.9'X1.7'	12,5

NGC 3674



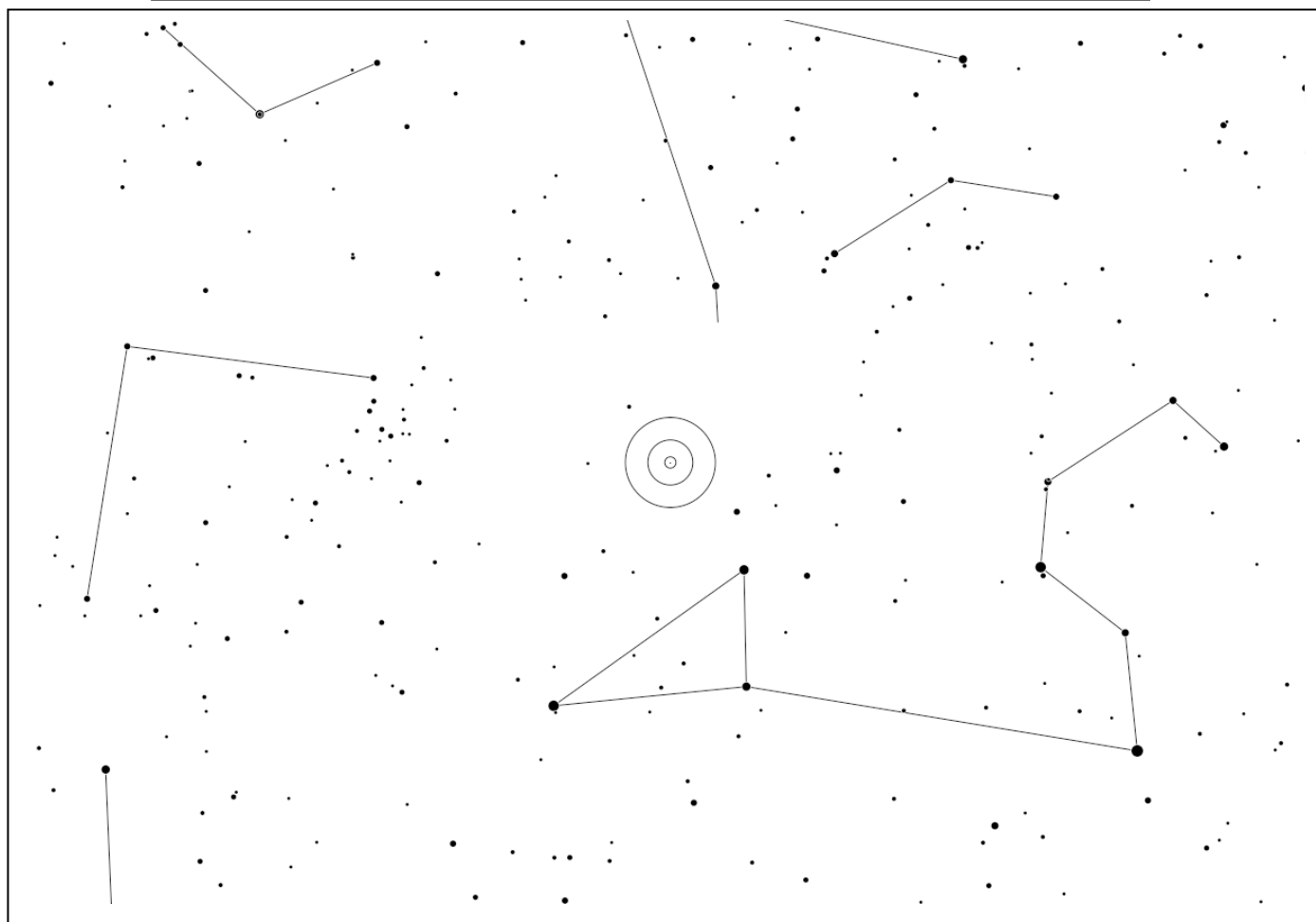
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3674	11h 26m 26.5s	+57° 02' 54"	S0	1.9'X0.6'	12,3

NGC 3683



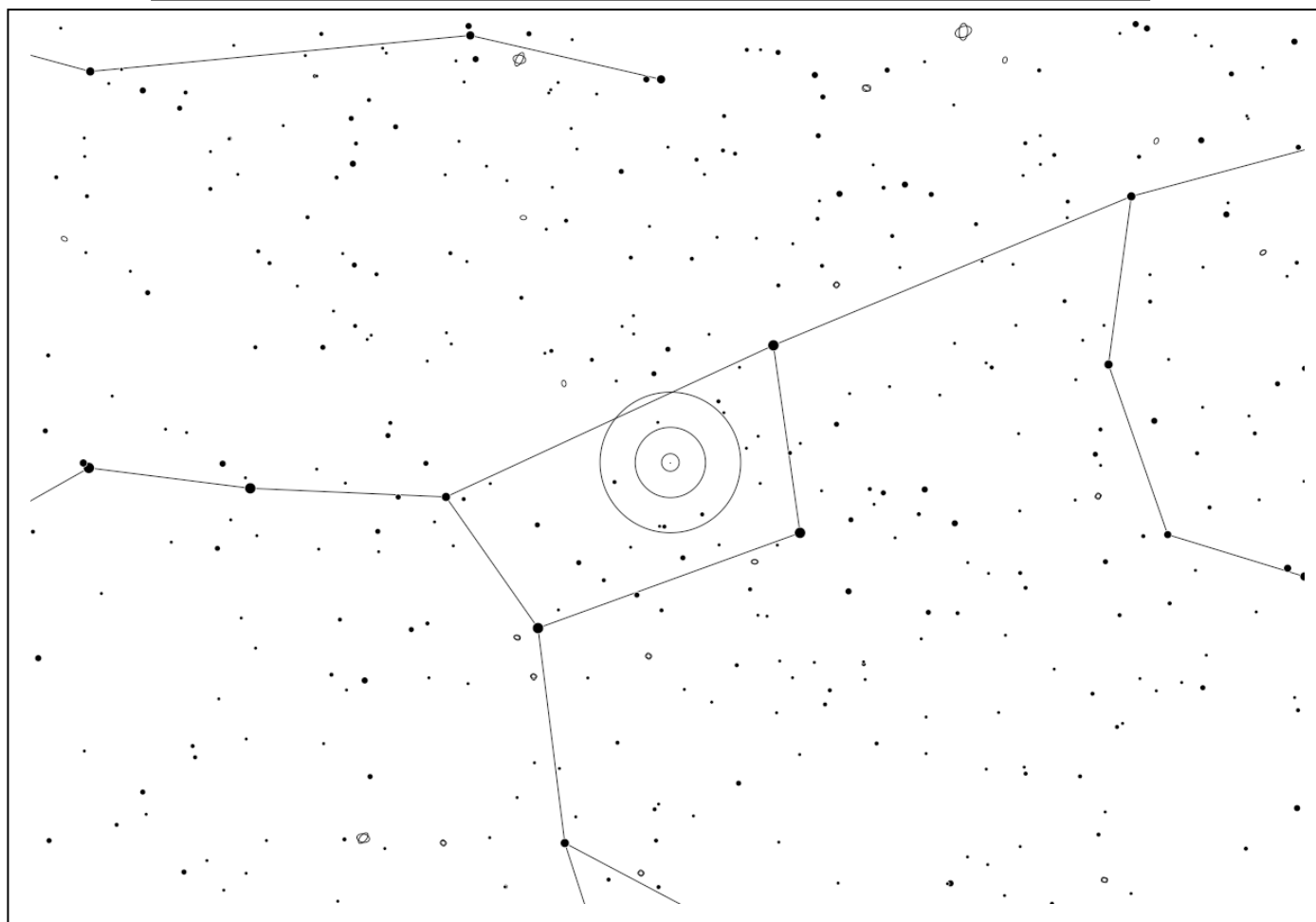
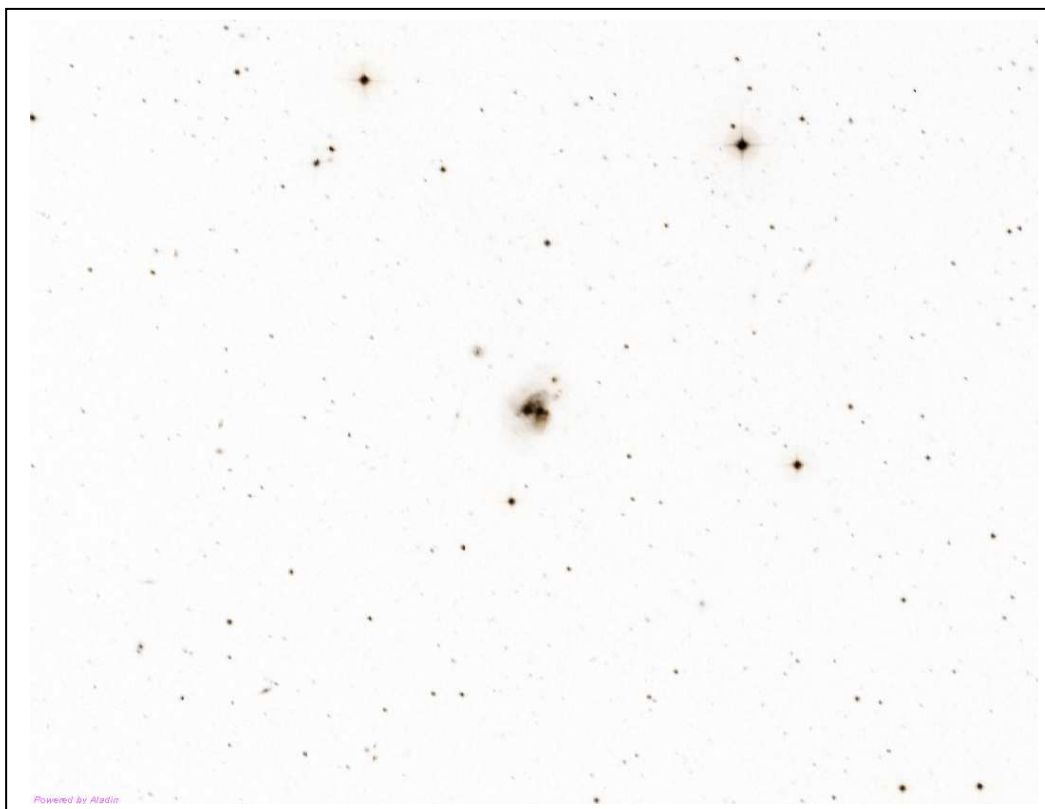
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3683	11h 27m 31.9s	+56° 52' 37"	SBc	1.9'X0.7'	12,7

NGC 3687



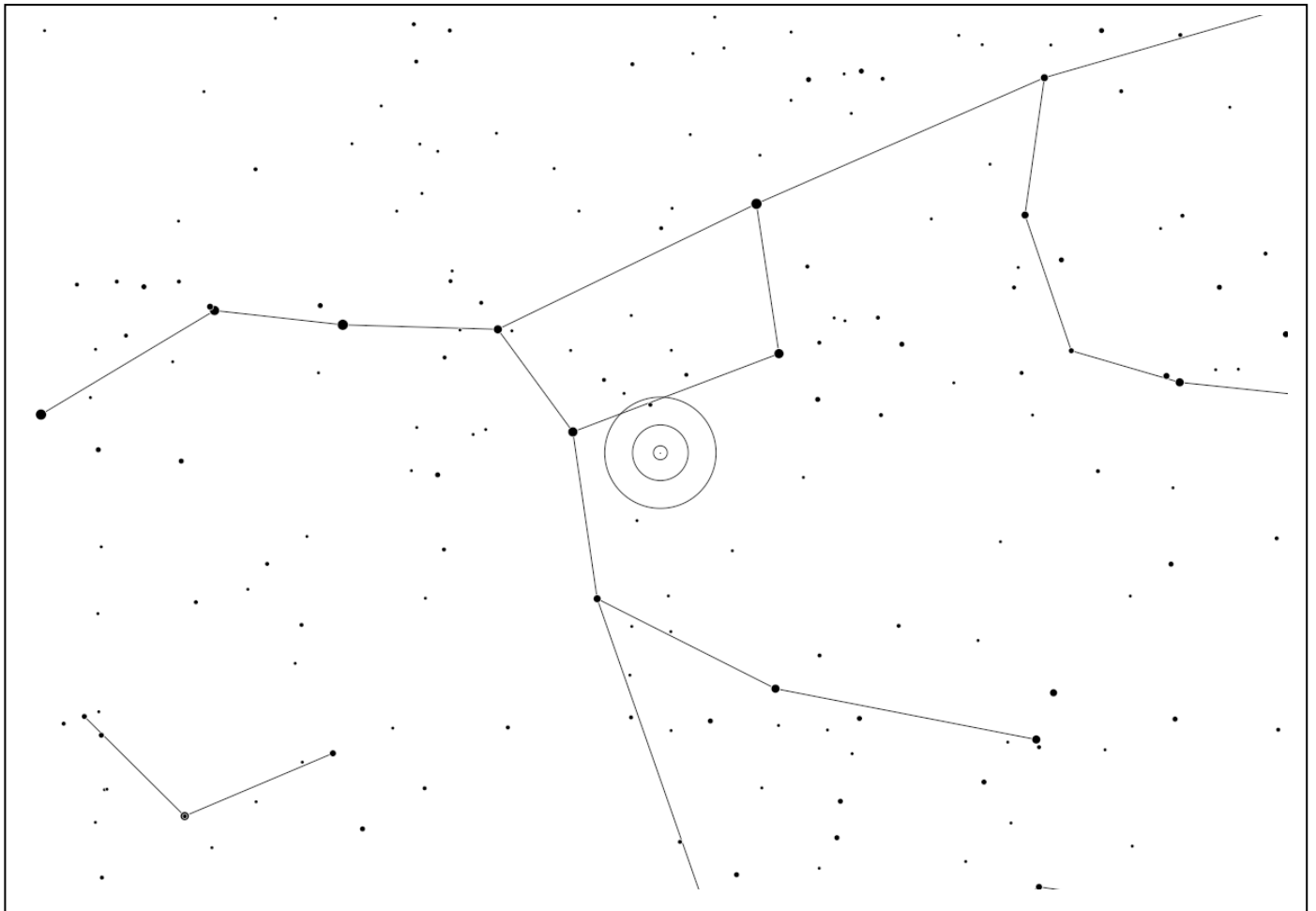
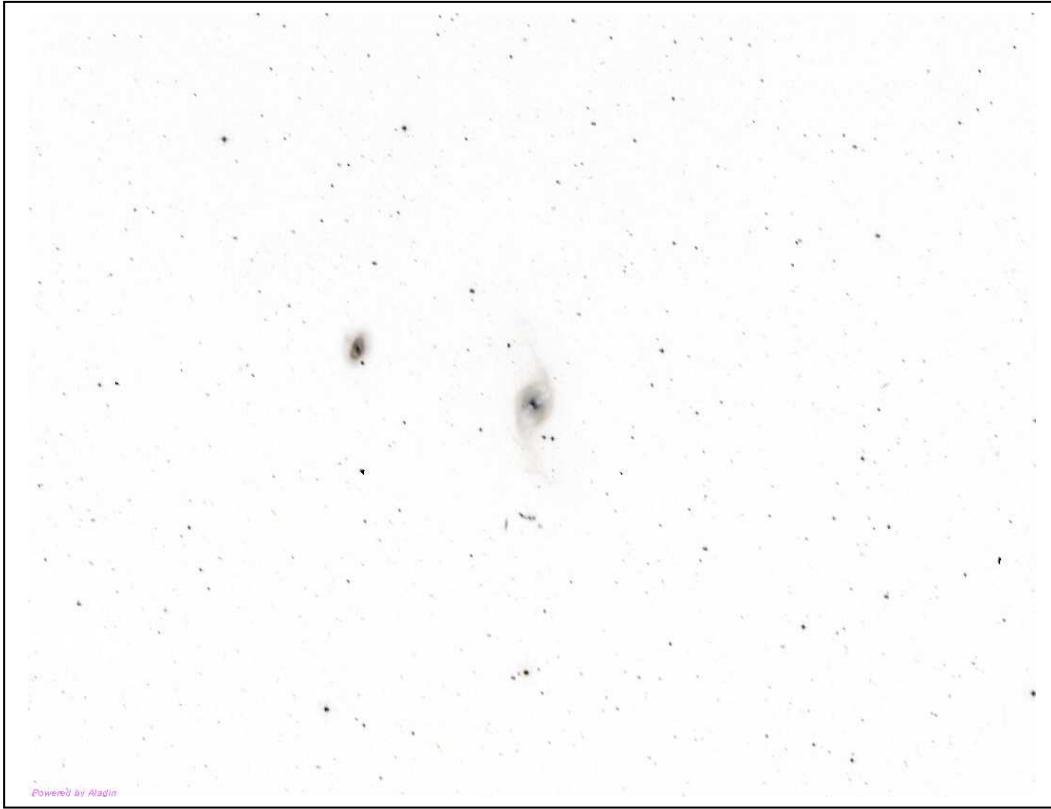
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3687	11h 28m 00.5s	+29° 30' 39"	Sb II-II	2.0'X2.0'	12,2

NGC 3690



NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3690	11h 28m 31.9s	+58° 33' 45"	IBm Pec	2.4'X1.9'	11,6

NGC 3718-NGC3729

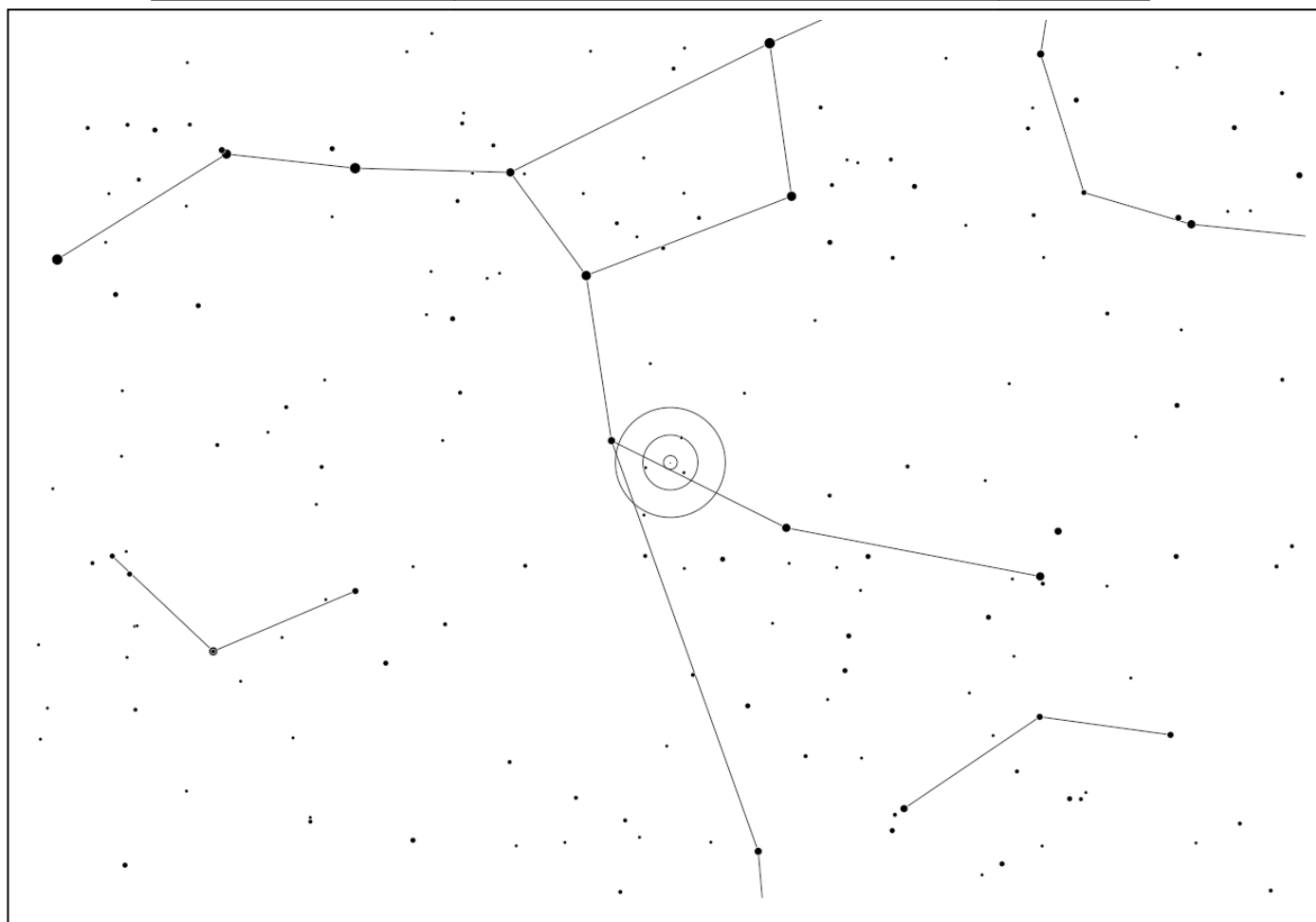


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3718	11h 32m 35.0s	+53° 04' 06"	S0/SBa	8.1'X4.0'	10,6
3729	11h 33m 49.3s	+53° 07' 32"	SB...	2.8'X1.9'	11,6

NGC 3726

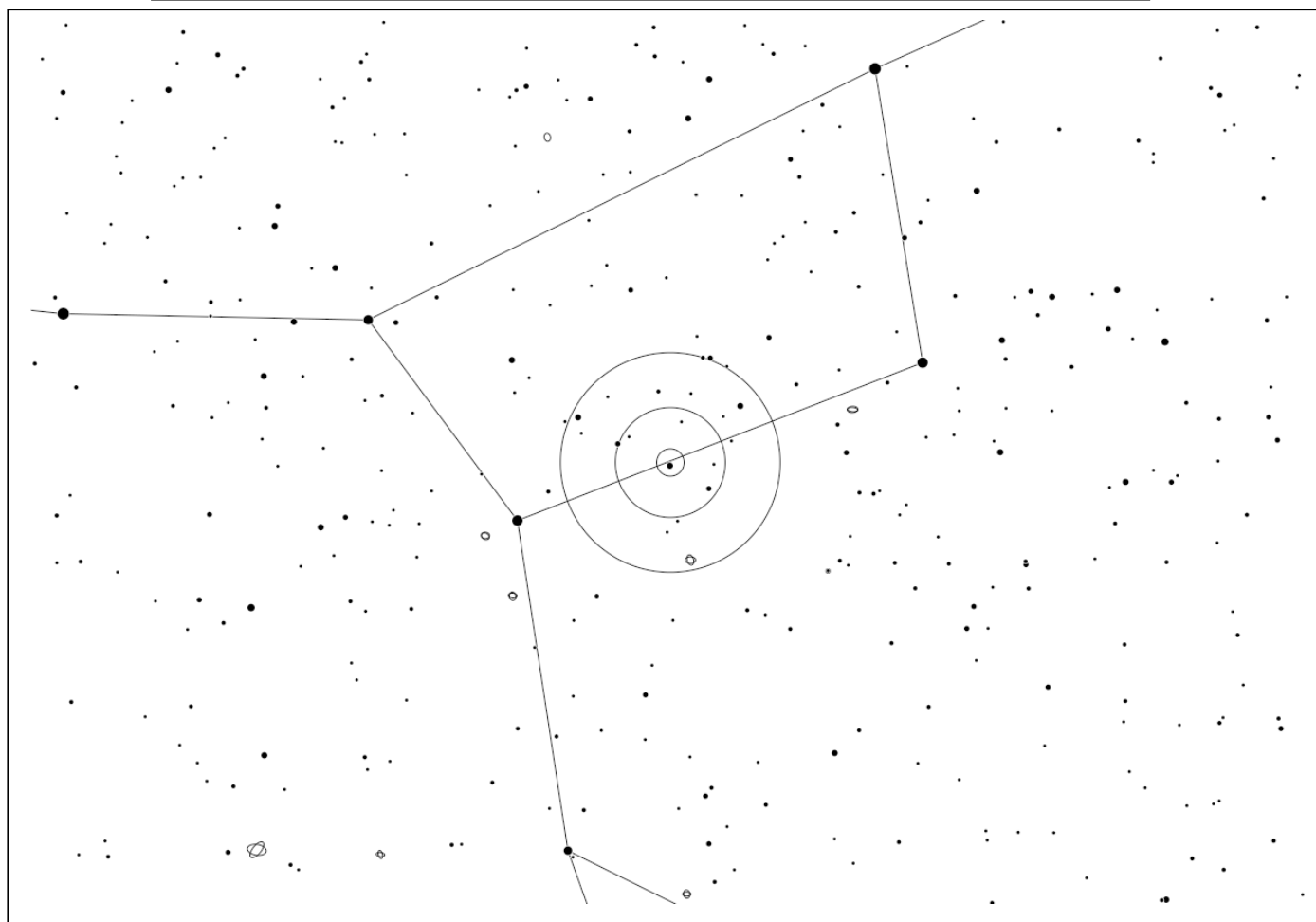
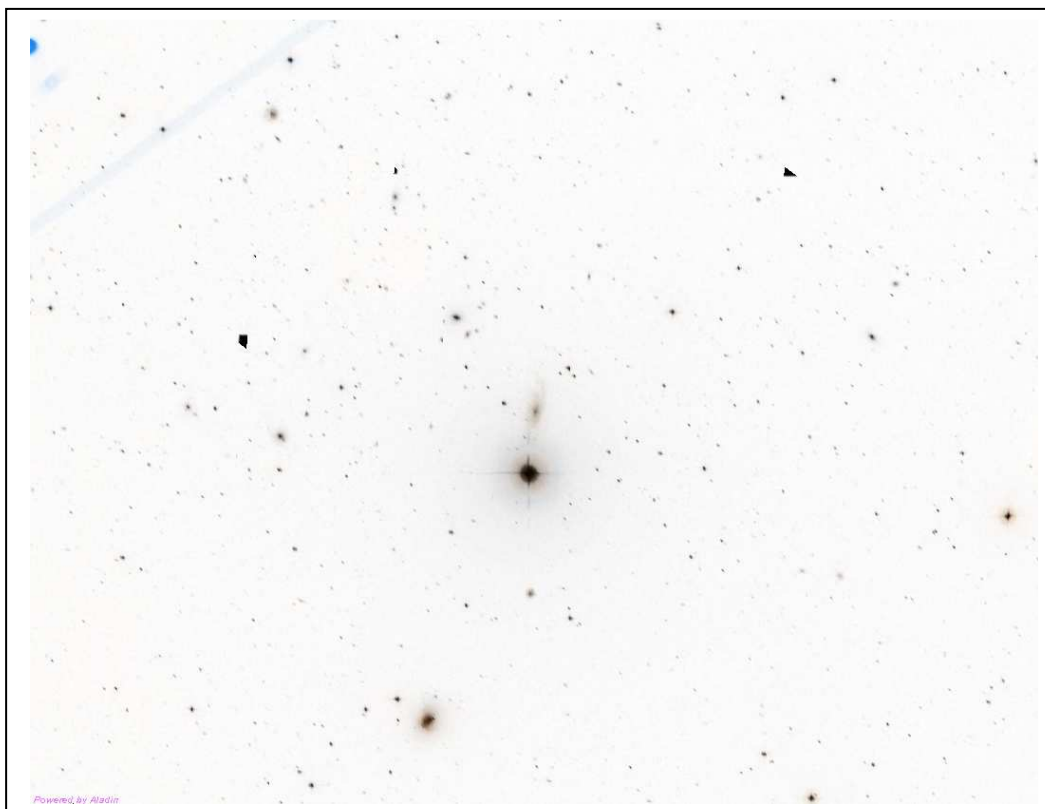


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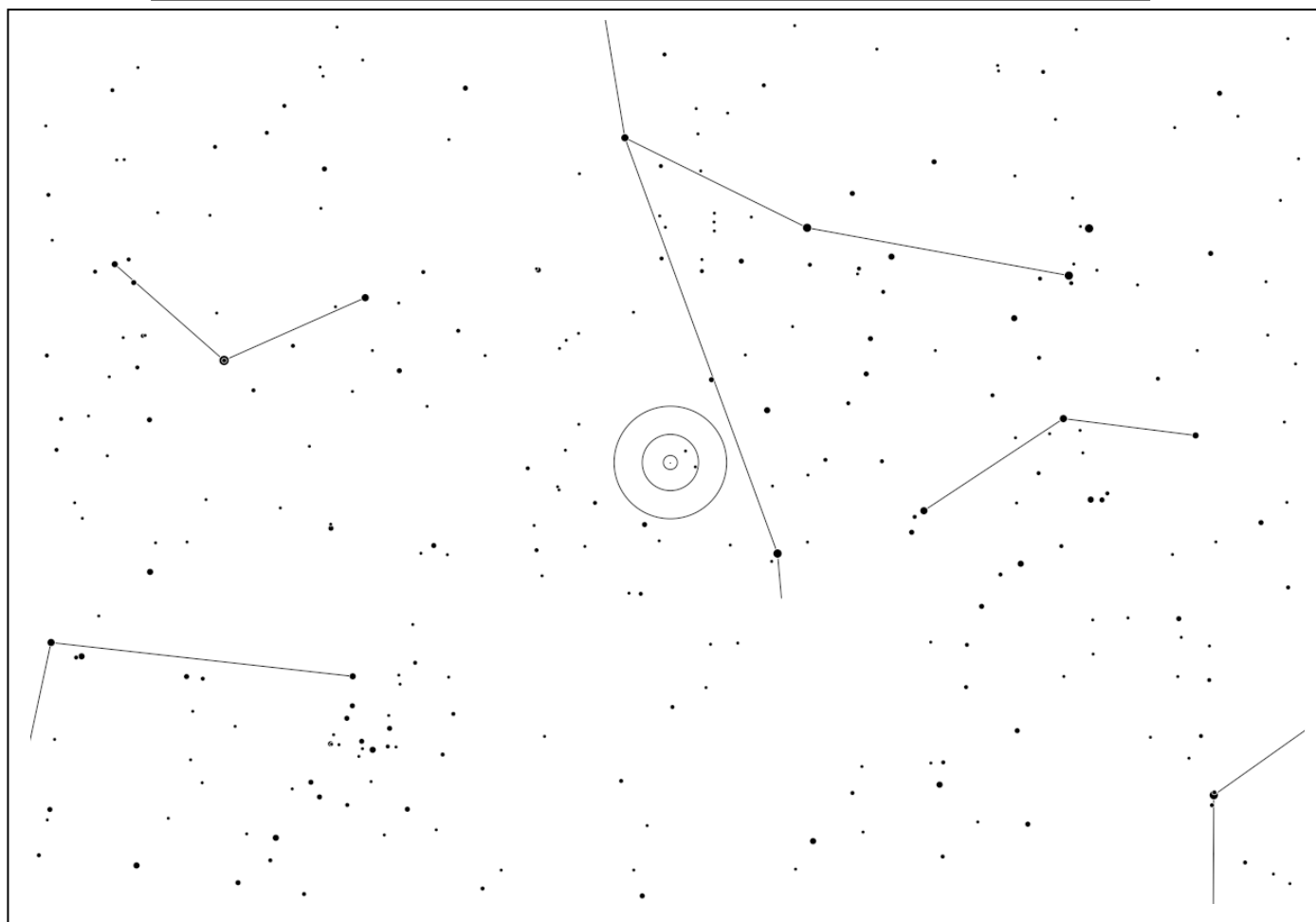
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3726	11h 33m 21.3s	+47° 01' 44"	Sc I-II	6.2'X4.3'	10,5

NGC 3733- NGC 3737



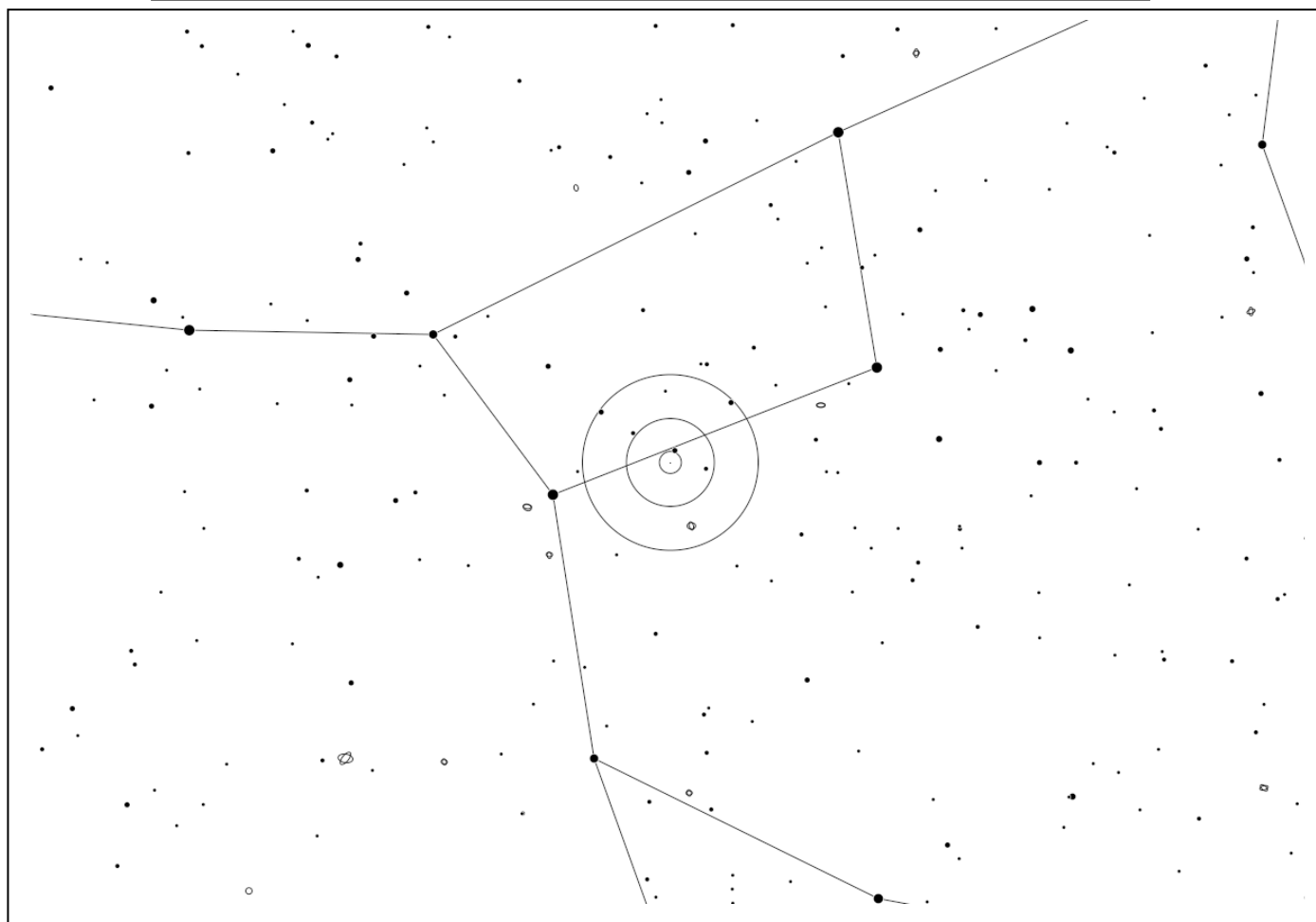
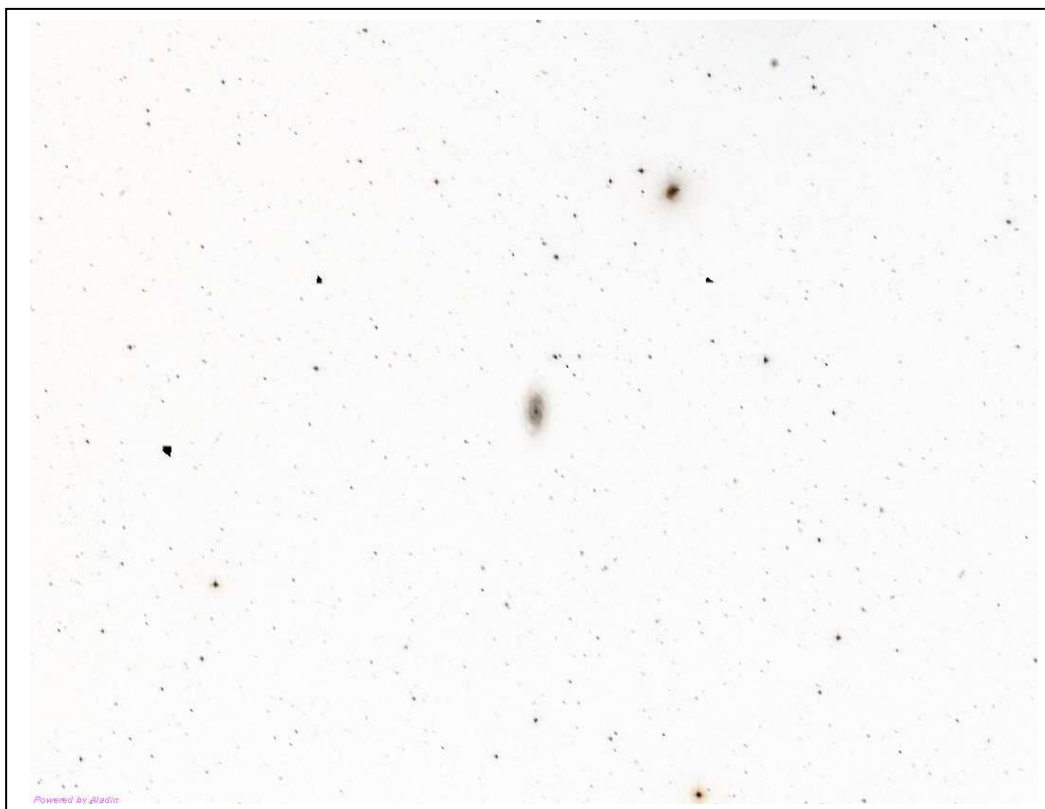
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3733	11h 35m 01.8s	+54° 51' 02"	Sc	4.8'X2.2'	12,3
3737	11h 35m 36.3s	+54° 56' 55"	SB0	1.0'X1.0'	13

NGC 3755



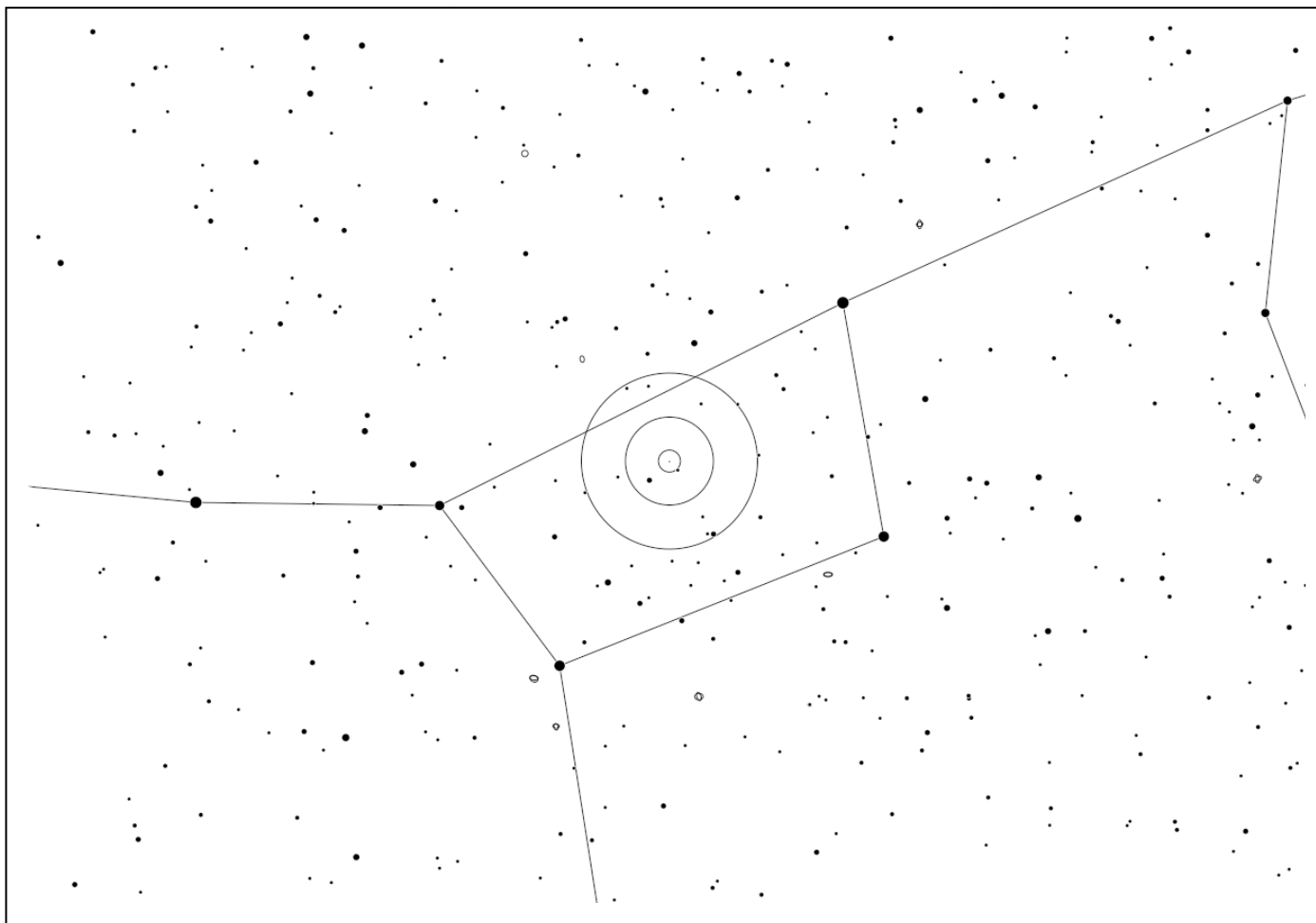
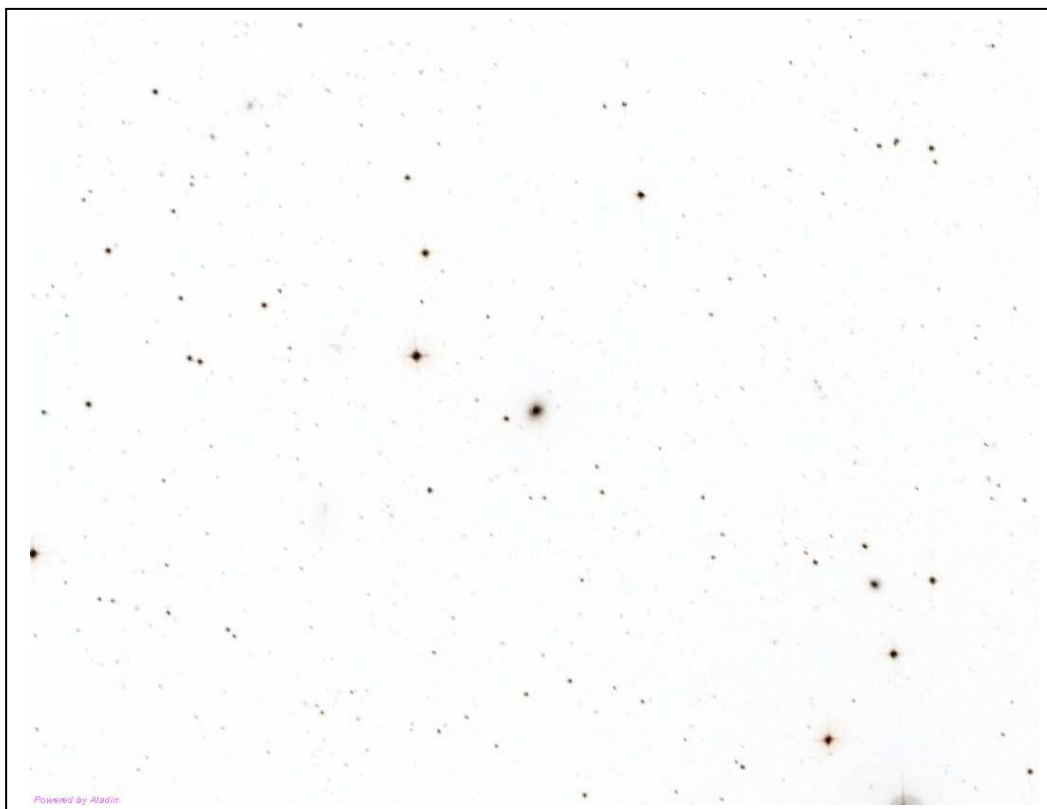
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3755	11h 36m 33.3s	+36° 24' 38"	Sc	3.2'X1.4'	13

NGC 3738-NGC 3756



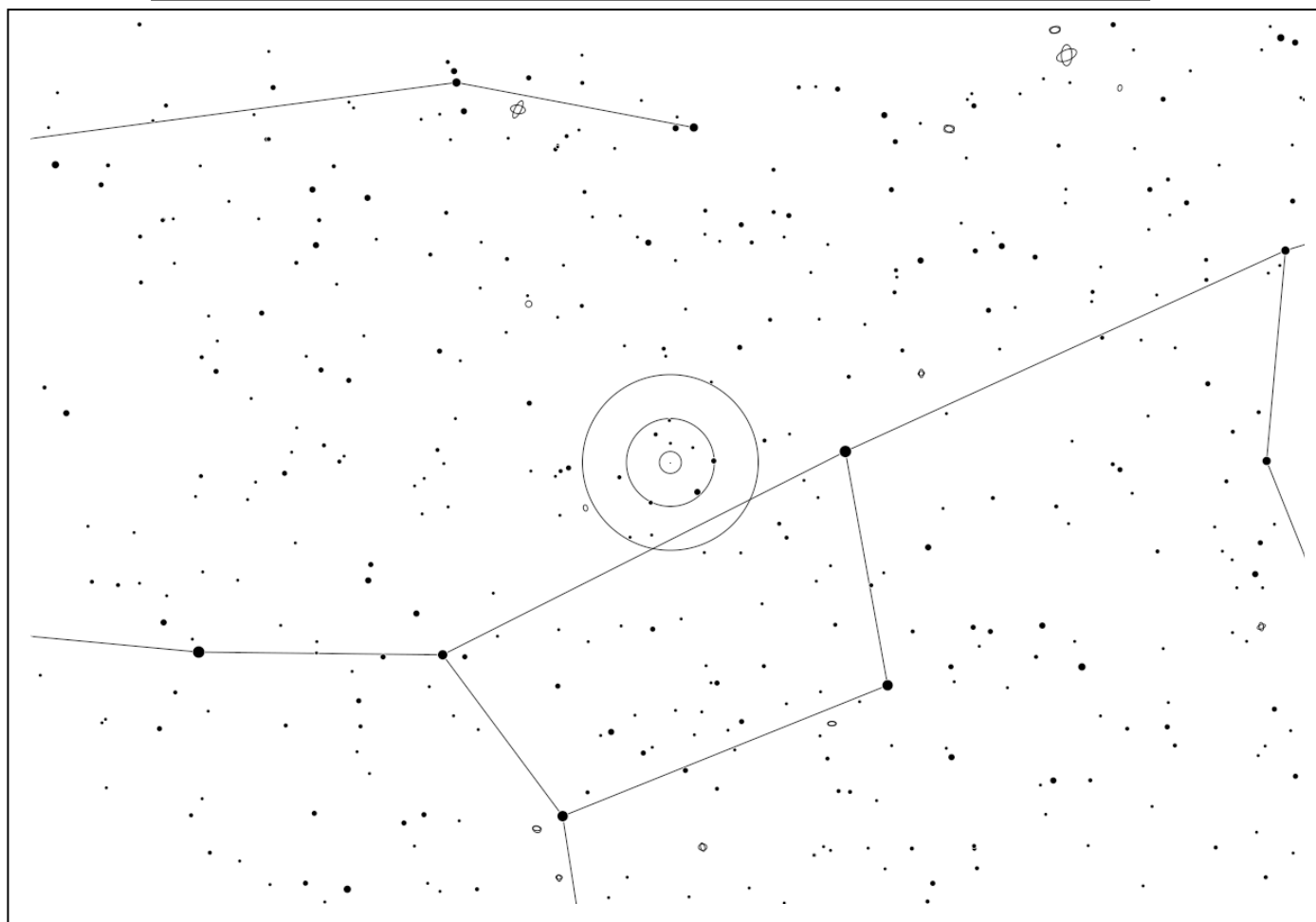
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3738	11h 35m 48.5s	+54° 31' 27"	Im	2.5'X1.9'	11,4
3756	11h 36m 48.1s	+54° 17' 39"	Sc II	4.2'X2.1'	11,4

NGC 3757



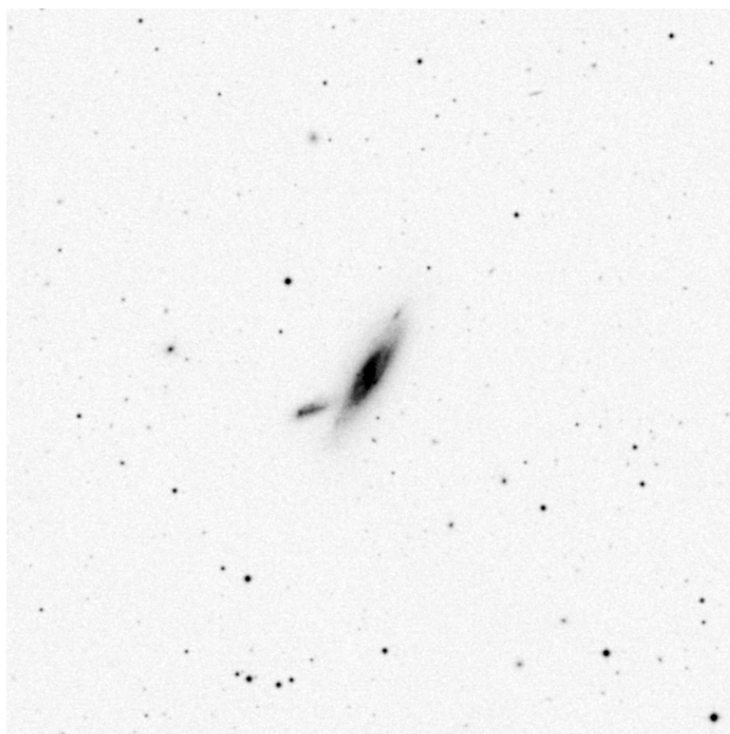
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3757	11h 37m 02.9s	+58° 24' 55"	S0	1.1'X1.1'	12,7

NGC 3762

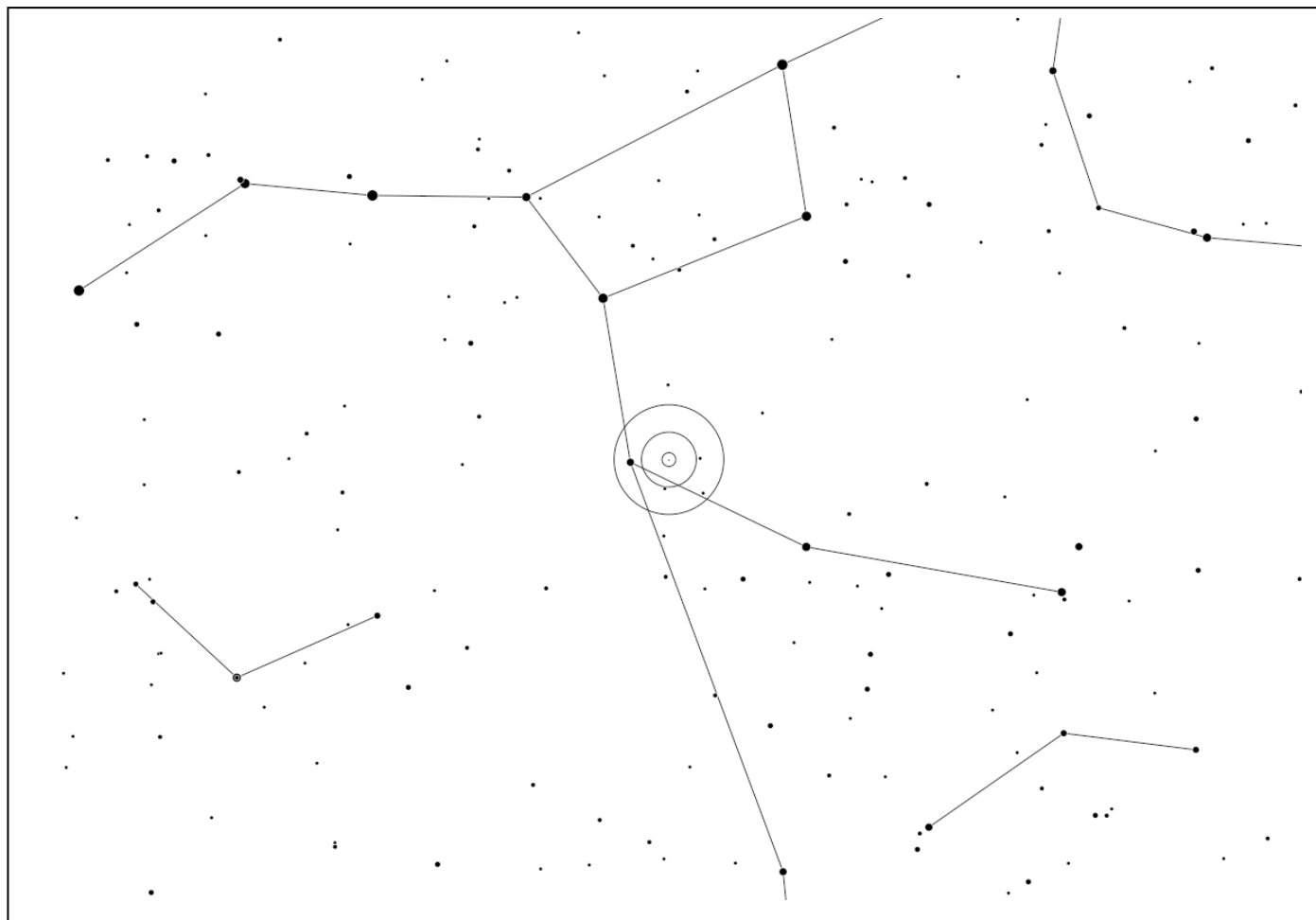


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3762	11h 37m 23.9s	+61° 45' 32"	Sa	1.9'X0.5'	12,8

NGC 3769

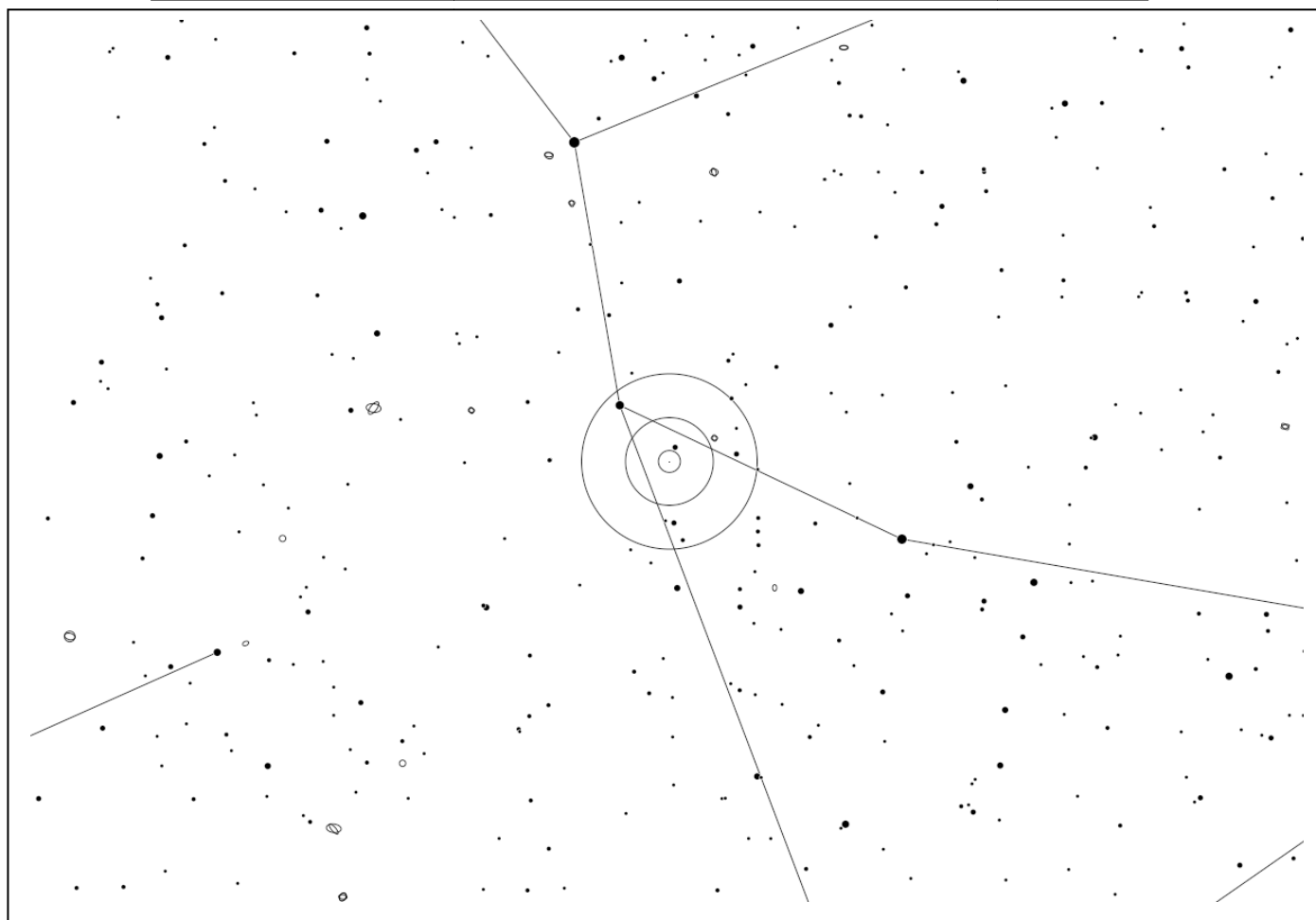
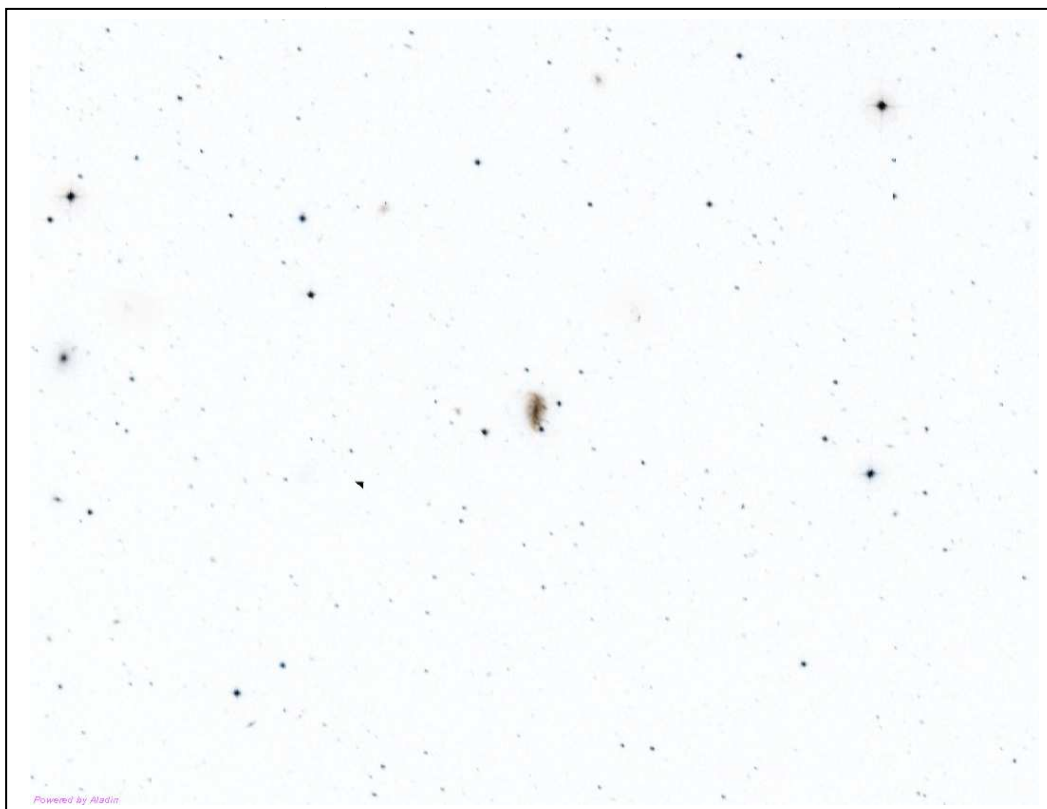


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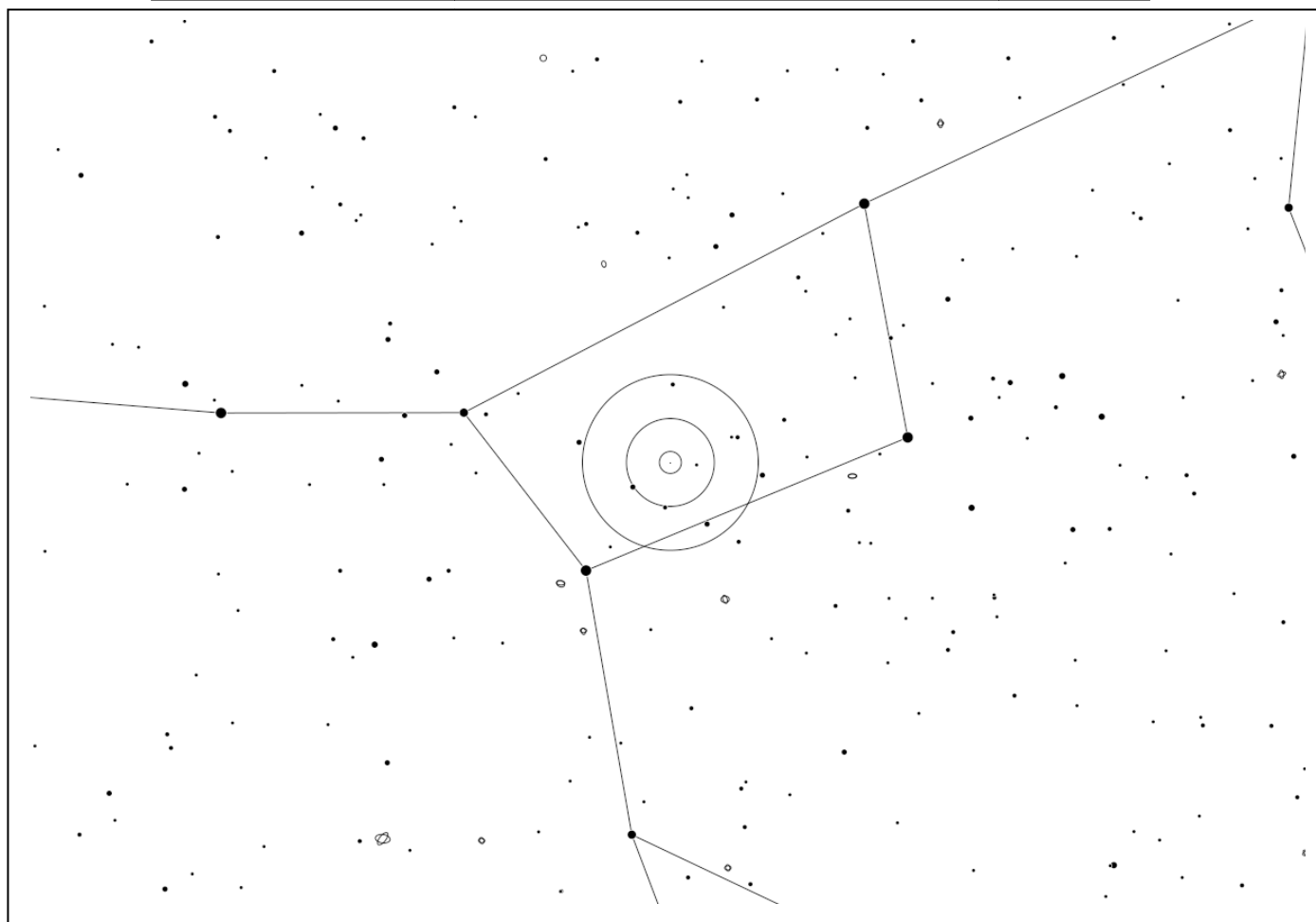
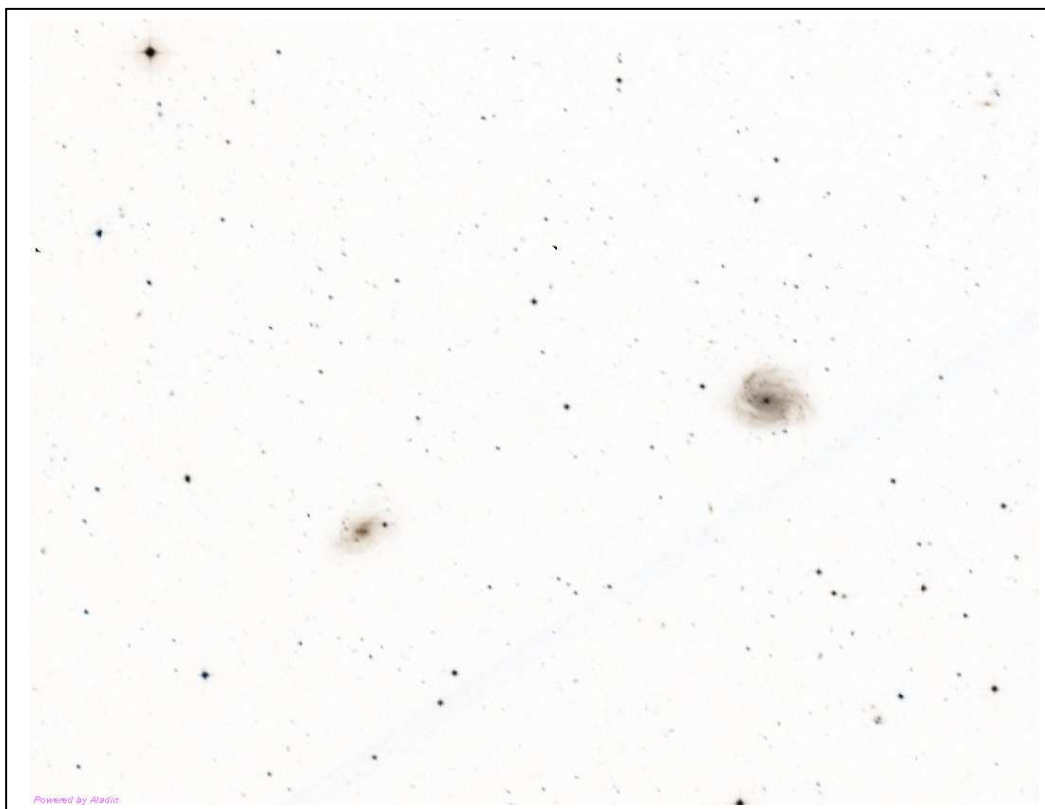
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3769	11h 37m 44.1s	+47° 53' 34"	Sb:	3.1'X1.0'	11,7

NGC 3782



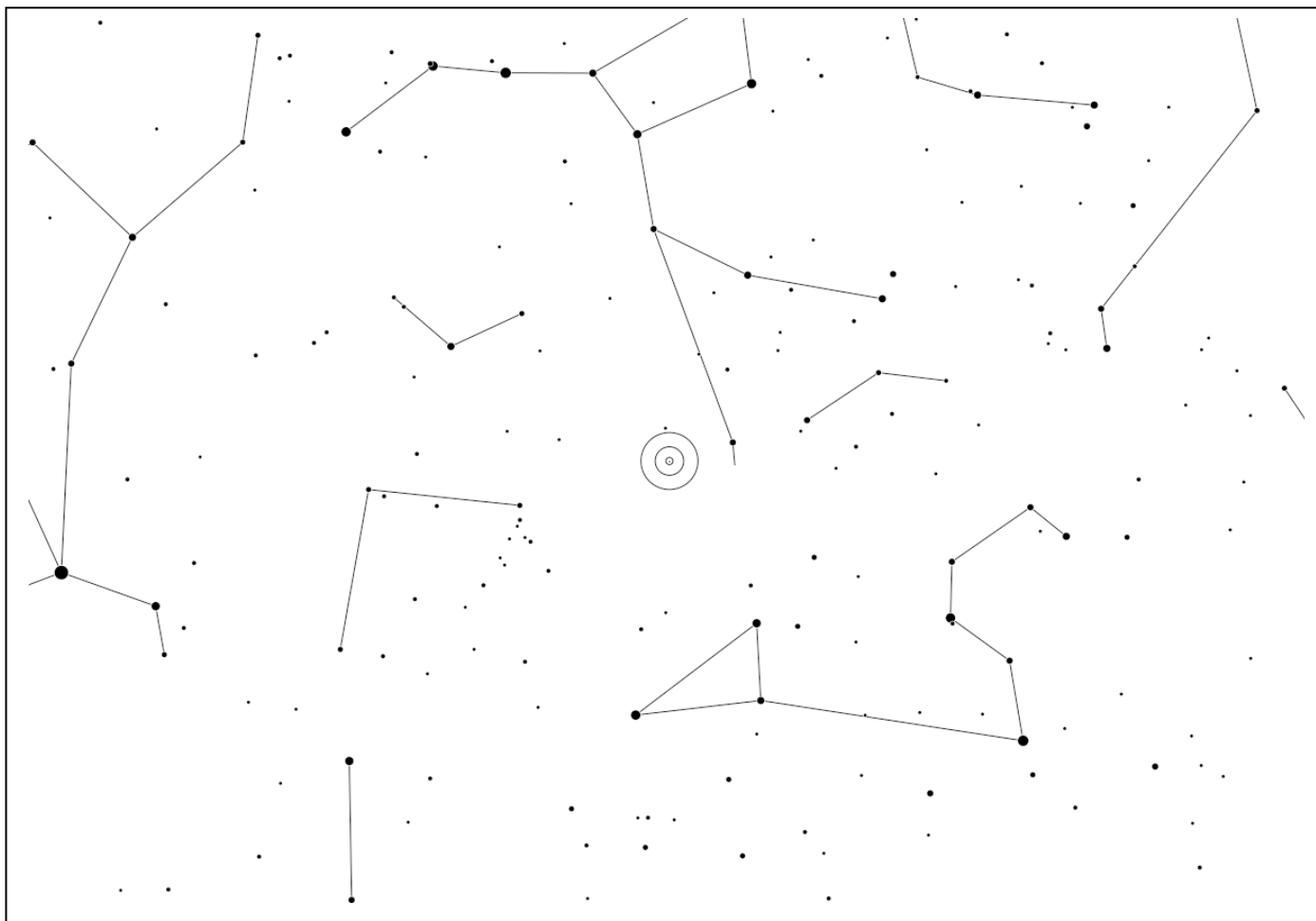
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3782	11h 39m 20.8s	+46° 30' 48"	Irr? (SBcd)	1.7'X1.1'	12,6

NGC 3780-NGC3804



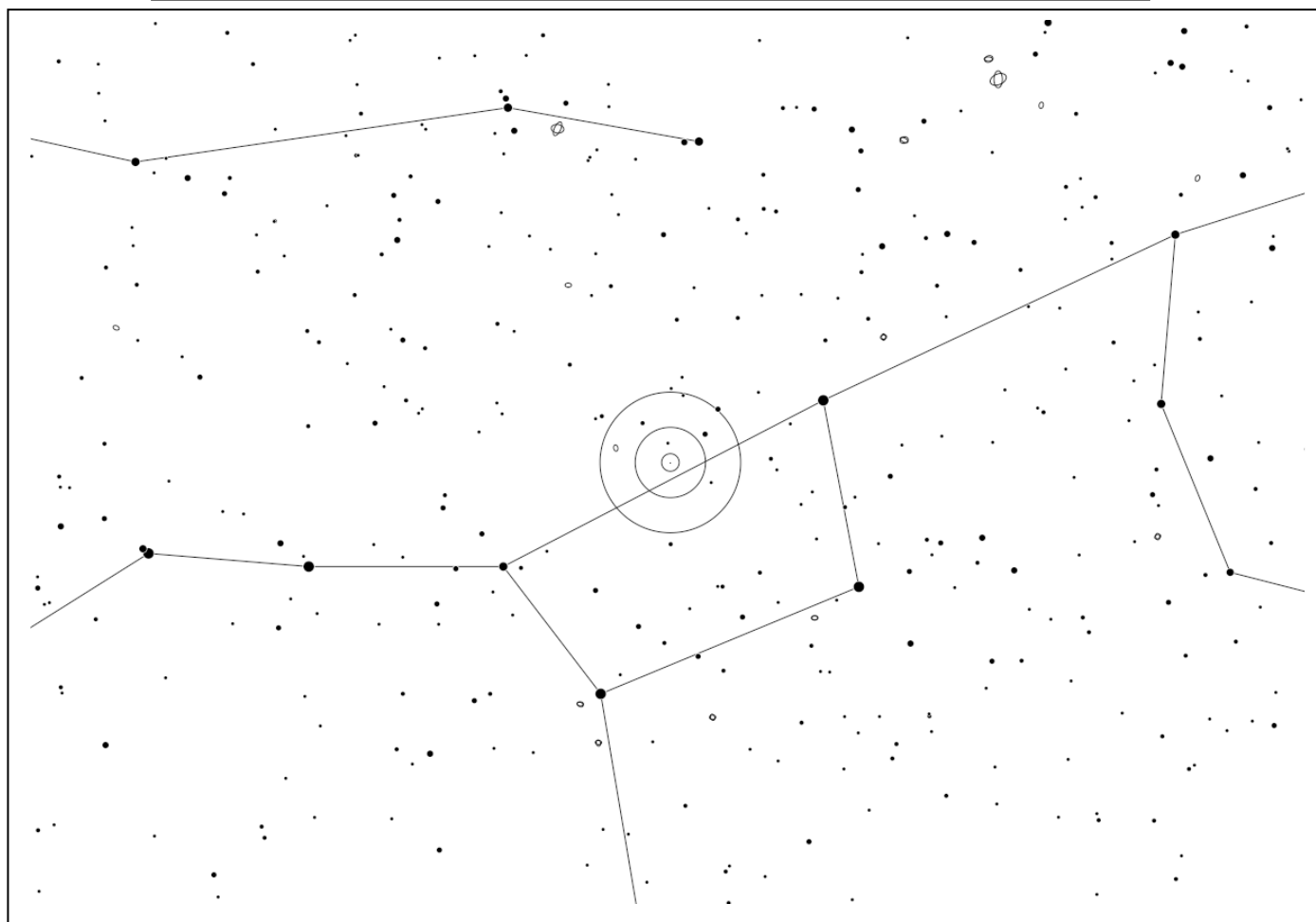
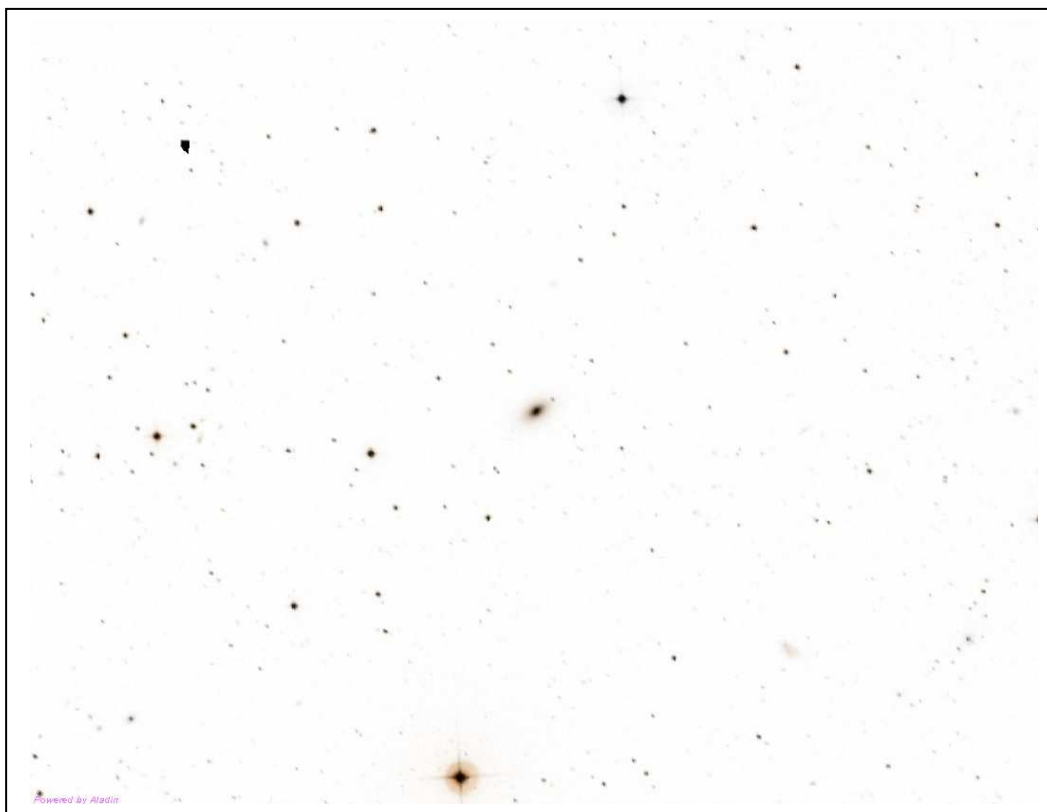
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3780	11h 39m 22.3s	+56° 16' 14"	Sc II	3.1'X2.6'	11,7
3804-3794	11h 40m 54.1s	+56° 12' 05"	Sc	2.2'X1.4'	13

NGC3786-NGC3788(ARP294)



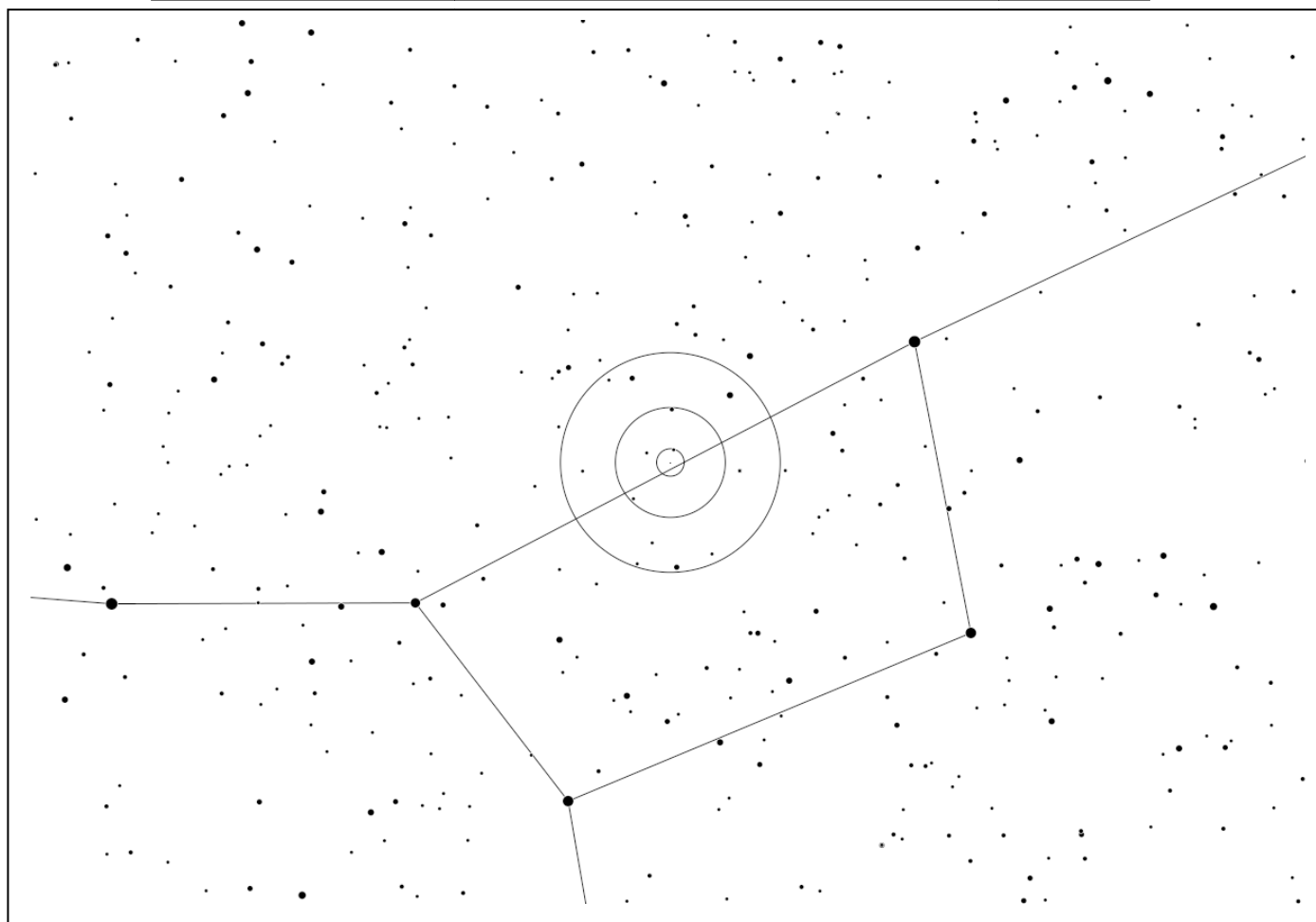
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3786	11h 39m 42.3s	+31° 54' 32"	Sa	2.2'X1.3'	12,5
3788	11h 39m 44.7s	+31° 55' 50"	S0	2.1'X0.7'	12,8

NGC 3796



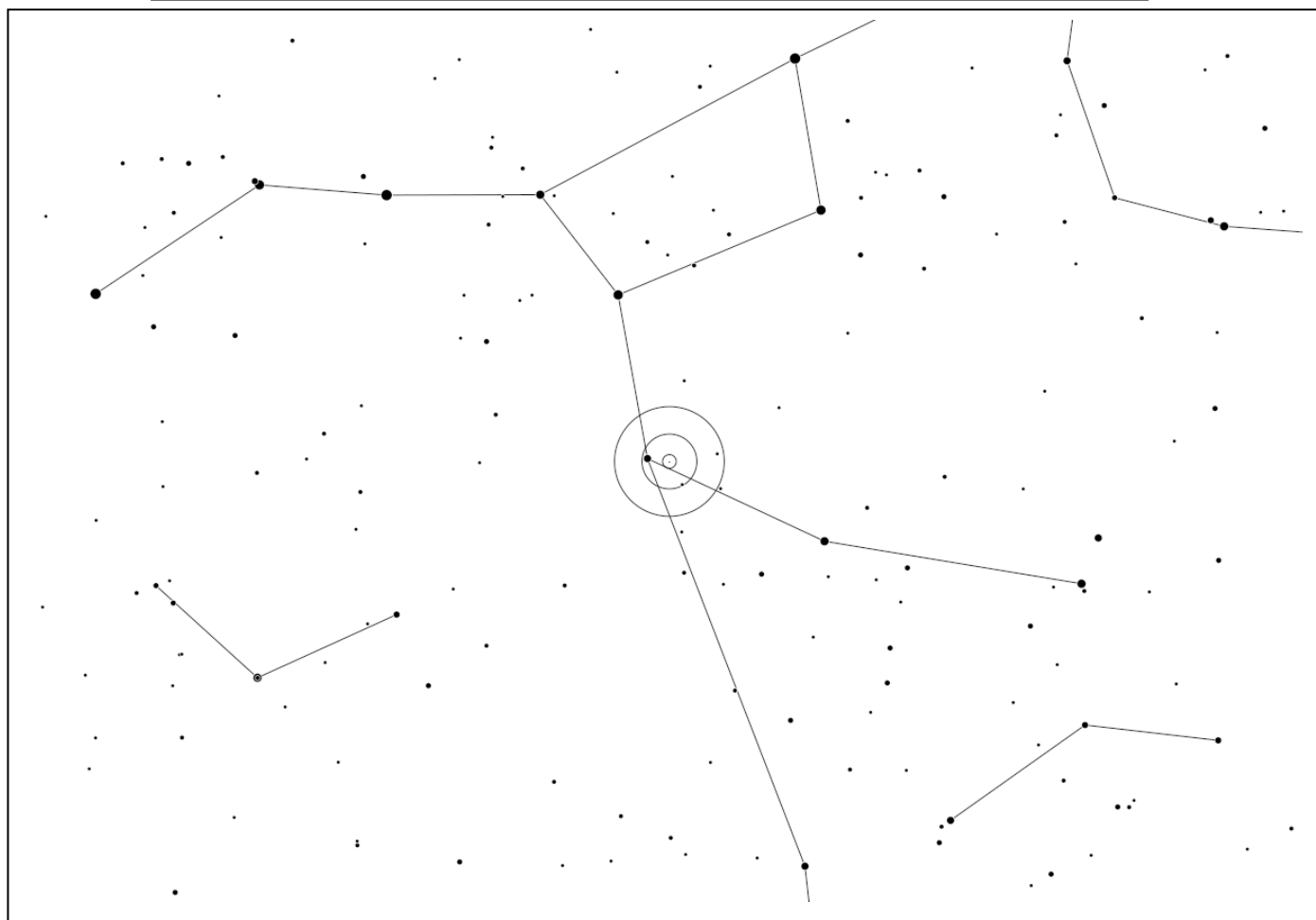
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3796	11h 40m 31.0s	+60° 17' 55"	S...	1.3'X0.9'	12,6

NGC 3809



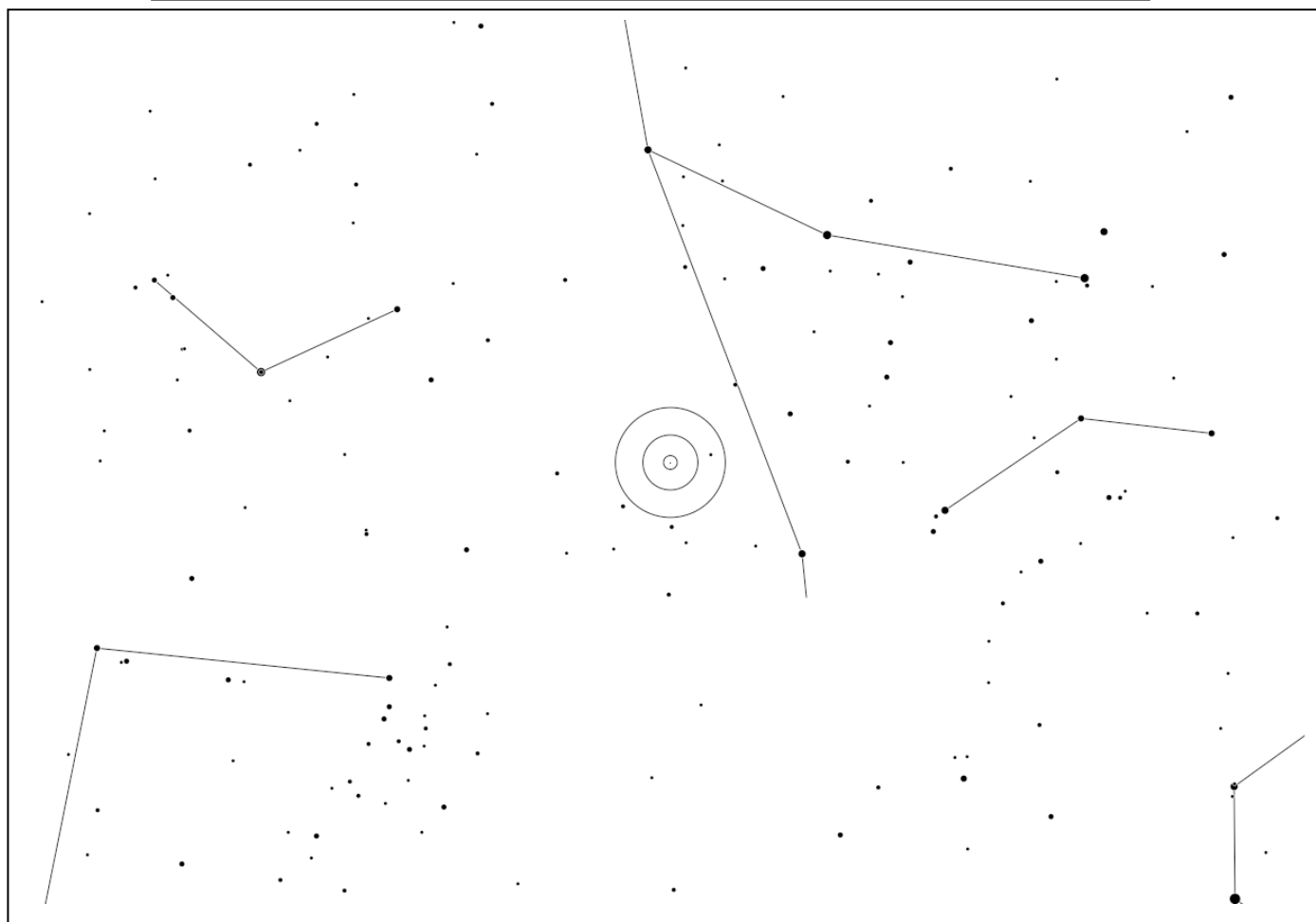
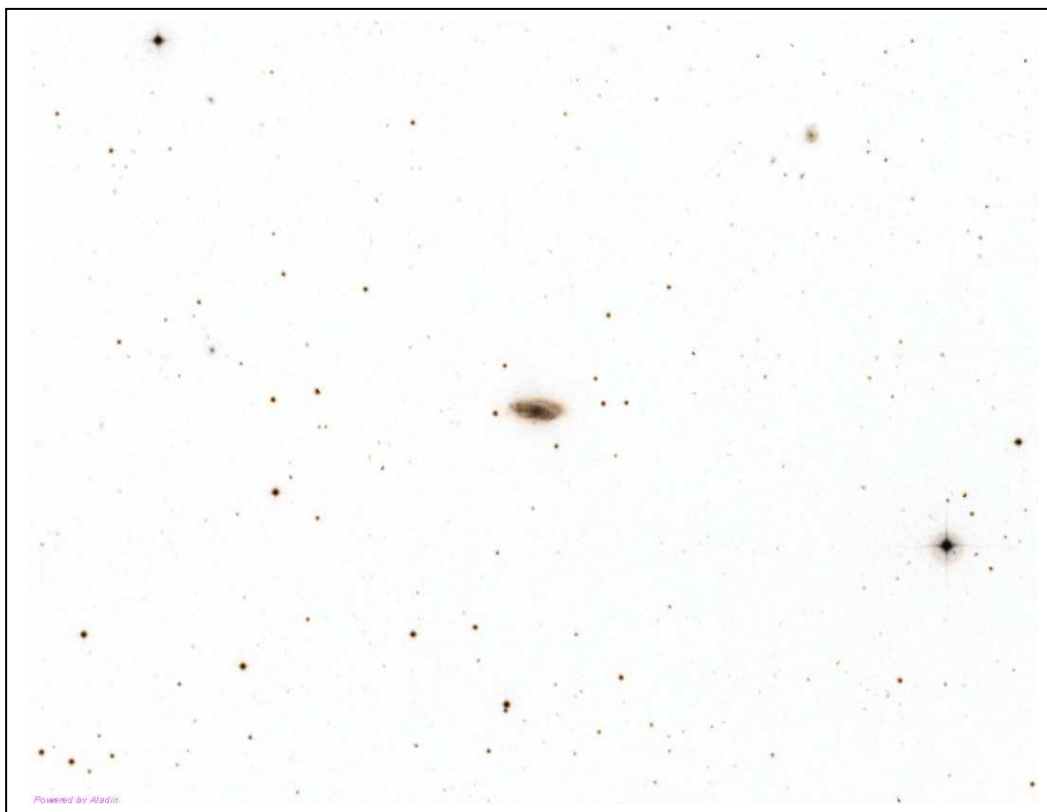
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3809	11h 41m 16.1s	+59° 53' 09"	S0	1.0'X0.8'	12,8

NGC 3811



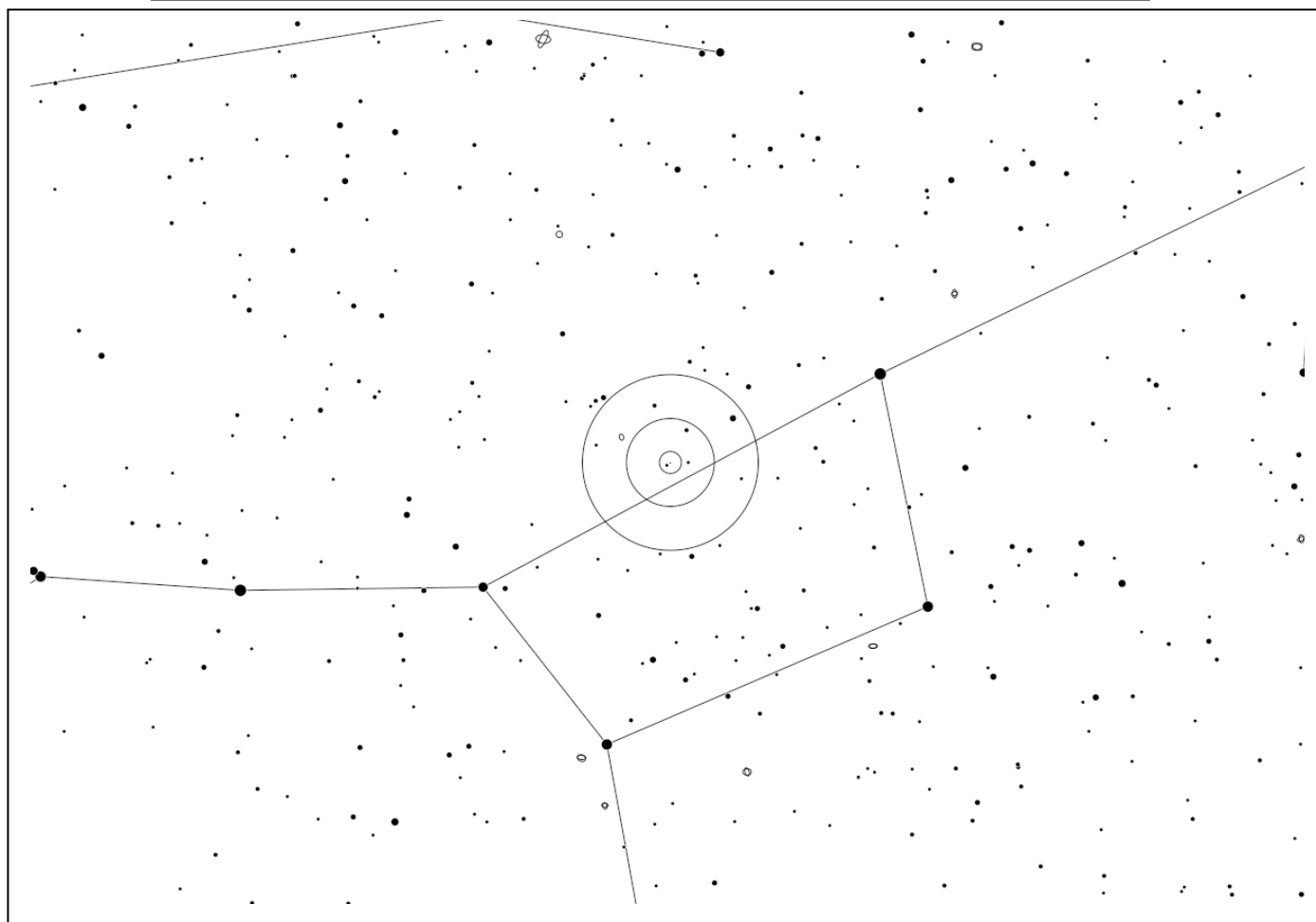
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3811	11h 41m 16.8s	+47° 41' 28"	SBc	2.2'X1.7'	12,4

NGC 3813



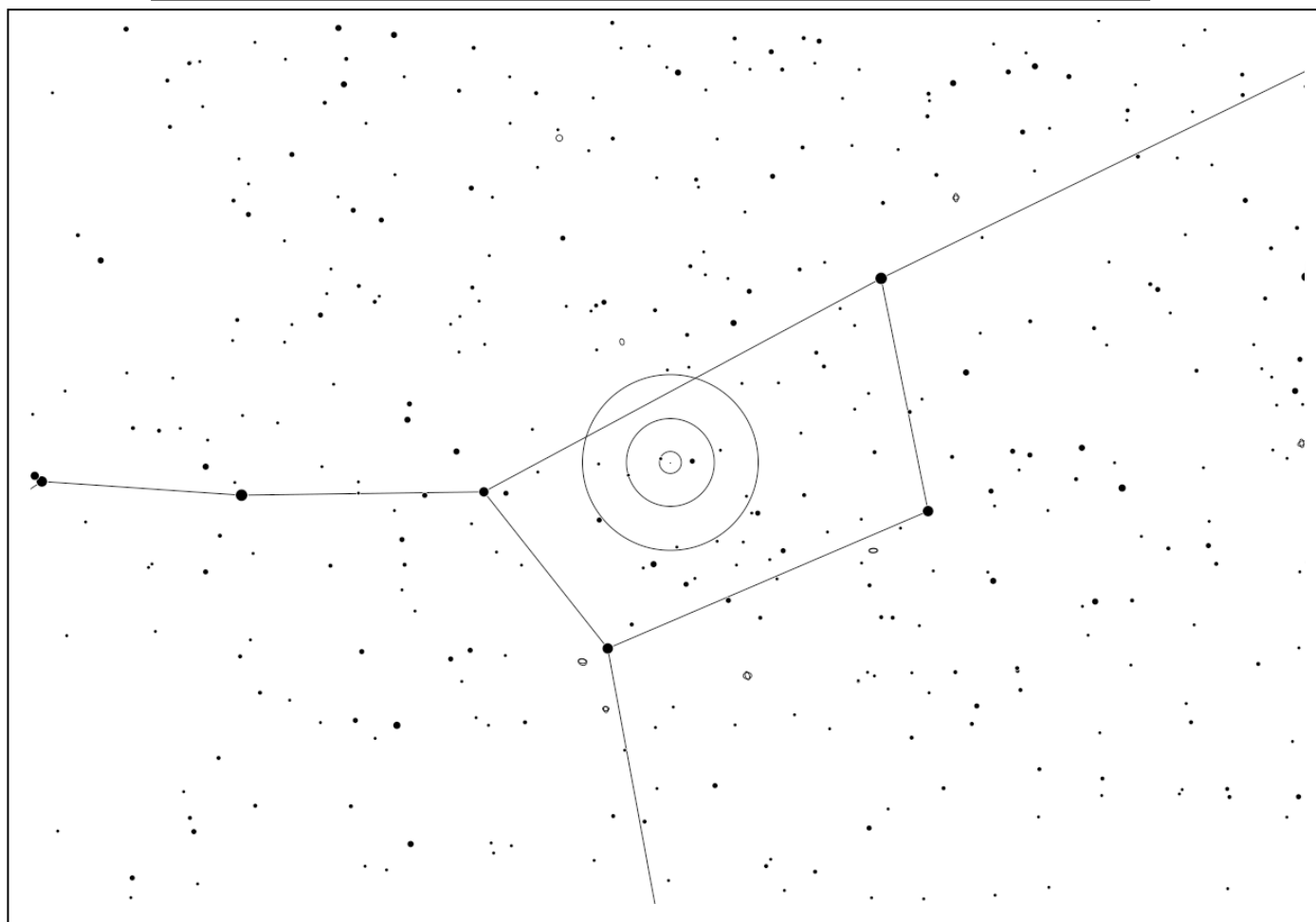
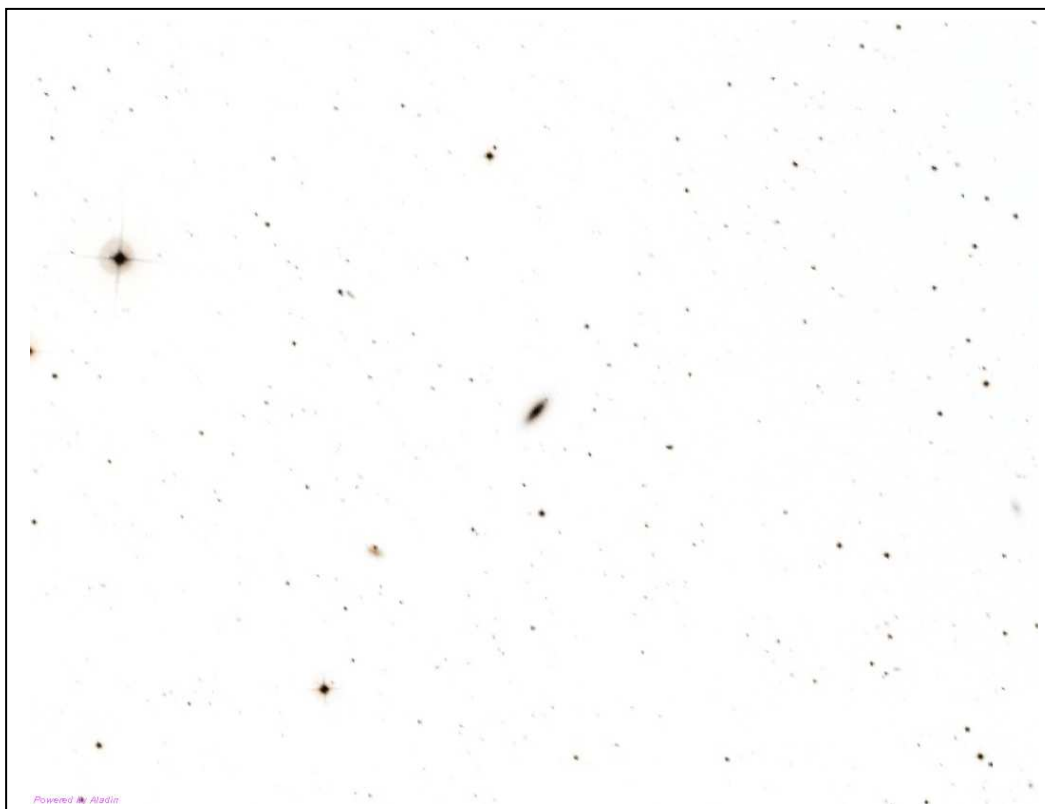
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3813	11h 41m 18.7s	+36° 32' 47"	S...	2.2'X1.1'	12,1

NGC 3835



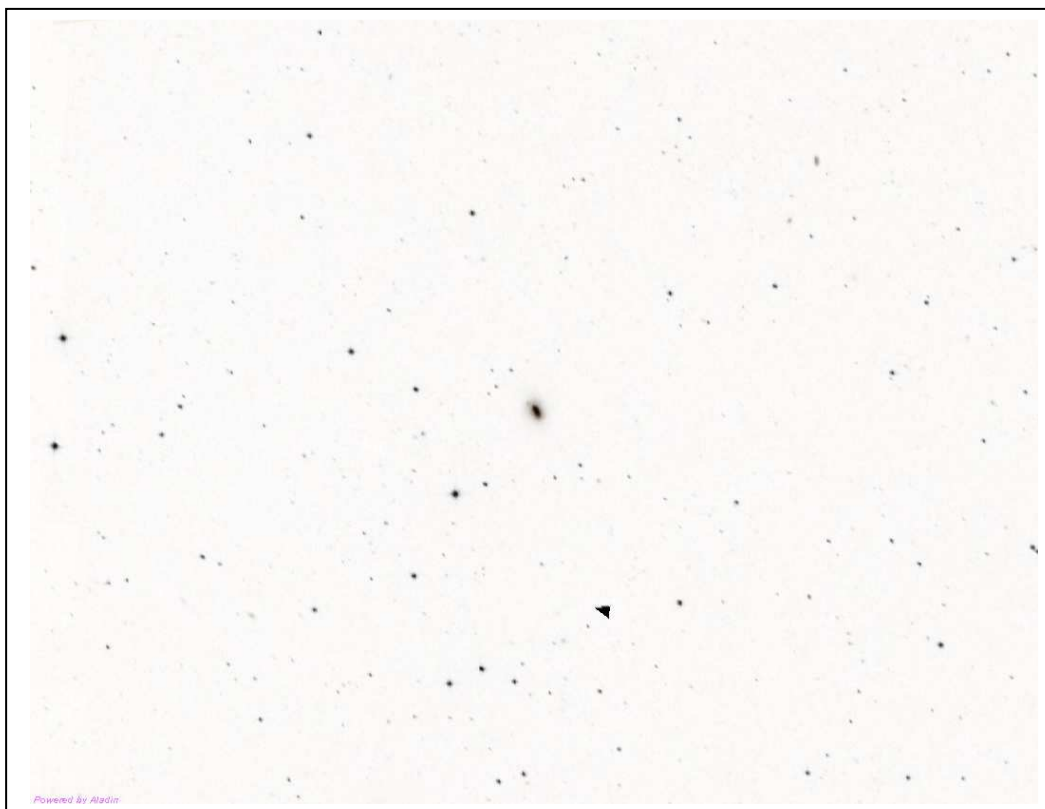
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3835	11h 44m 04.8s	+60° 07' 11"	Sab:sp	1.9'X0.8'	12,6

NGC 3838

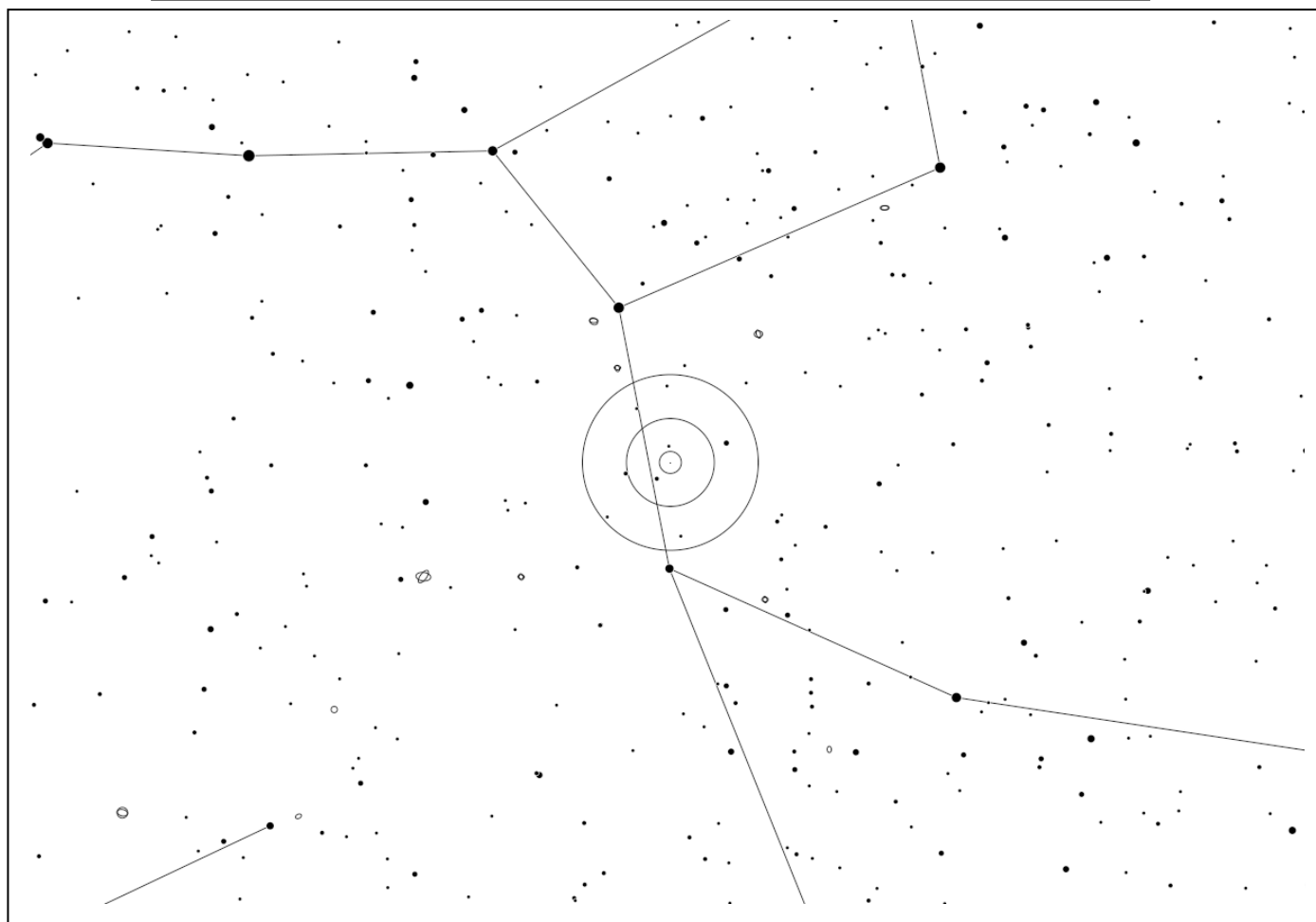


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3838	11h 44m 13.7s	+57° 56' 54"	S0?	1.5'X0.6'	12,3

NGC 3870

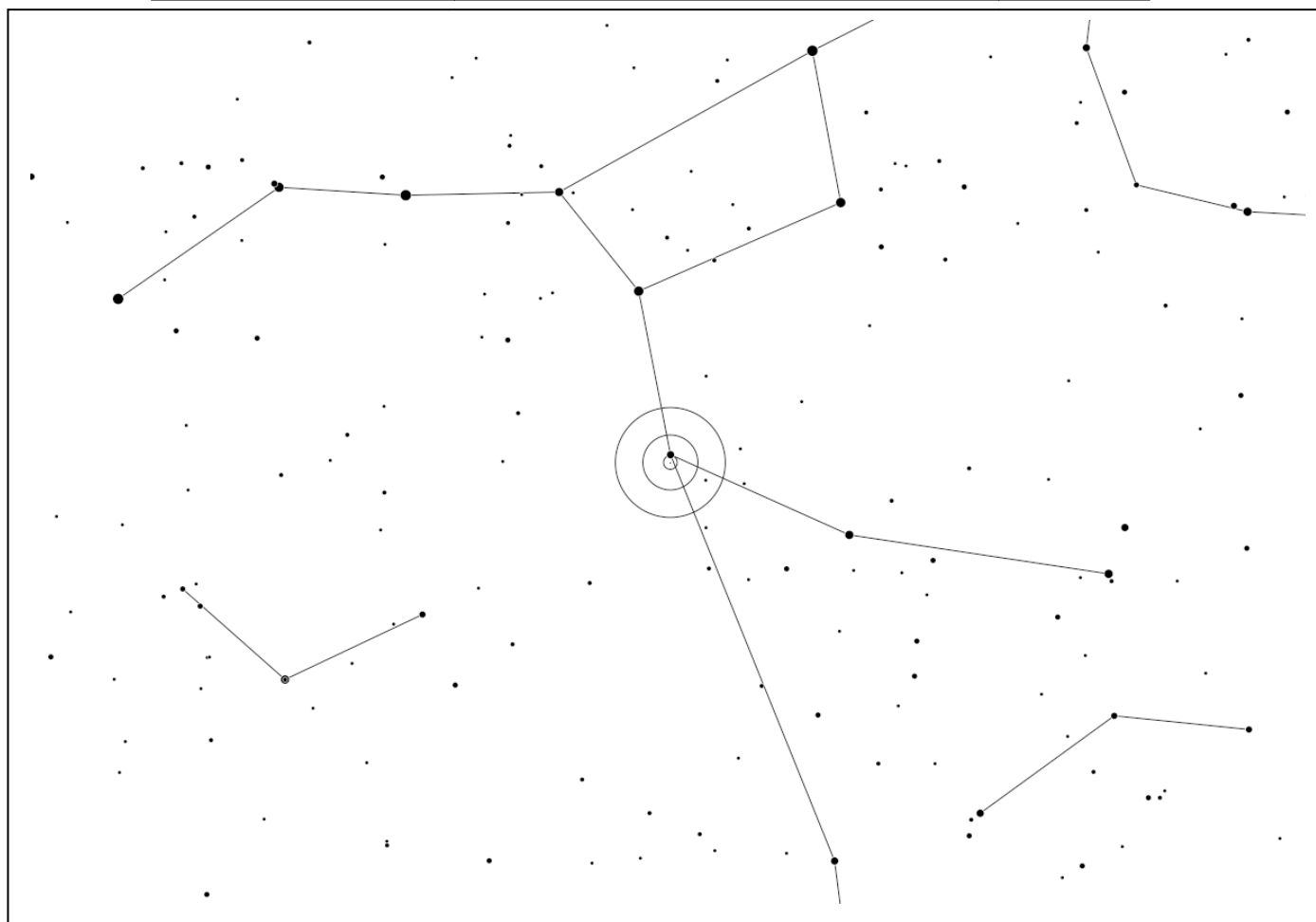
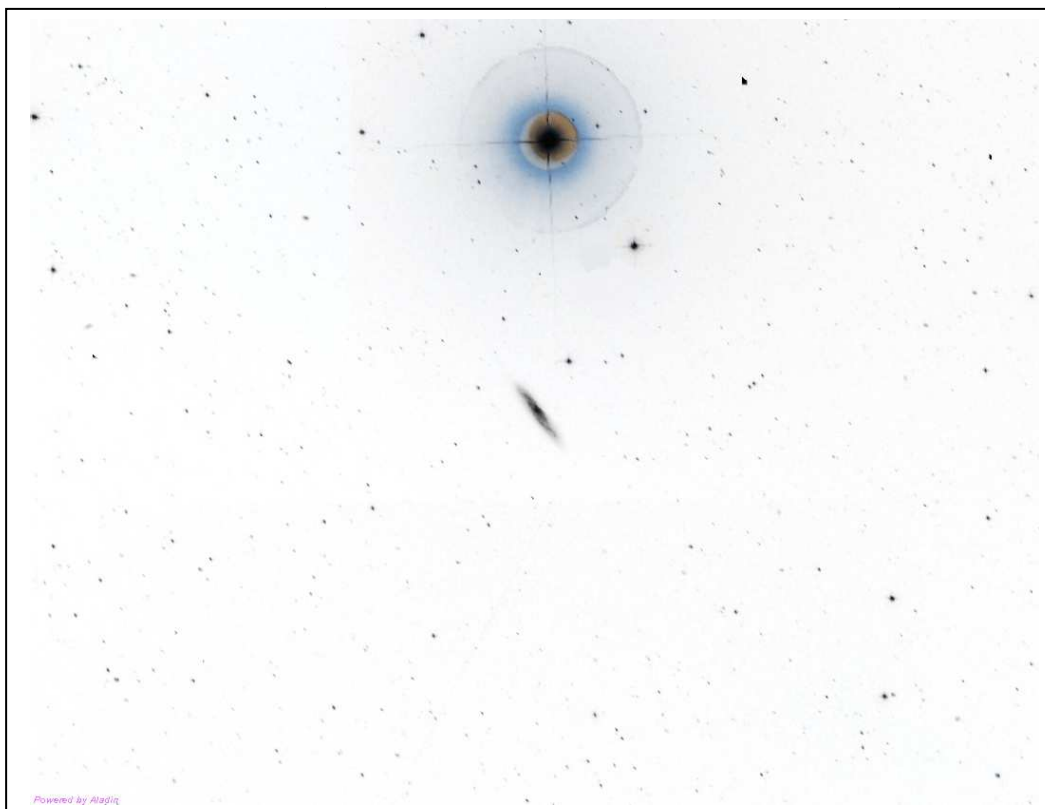


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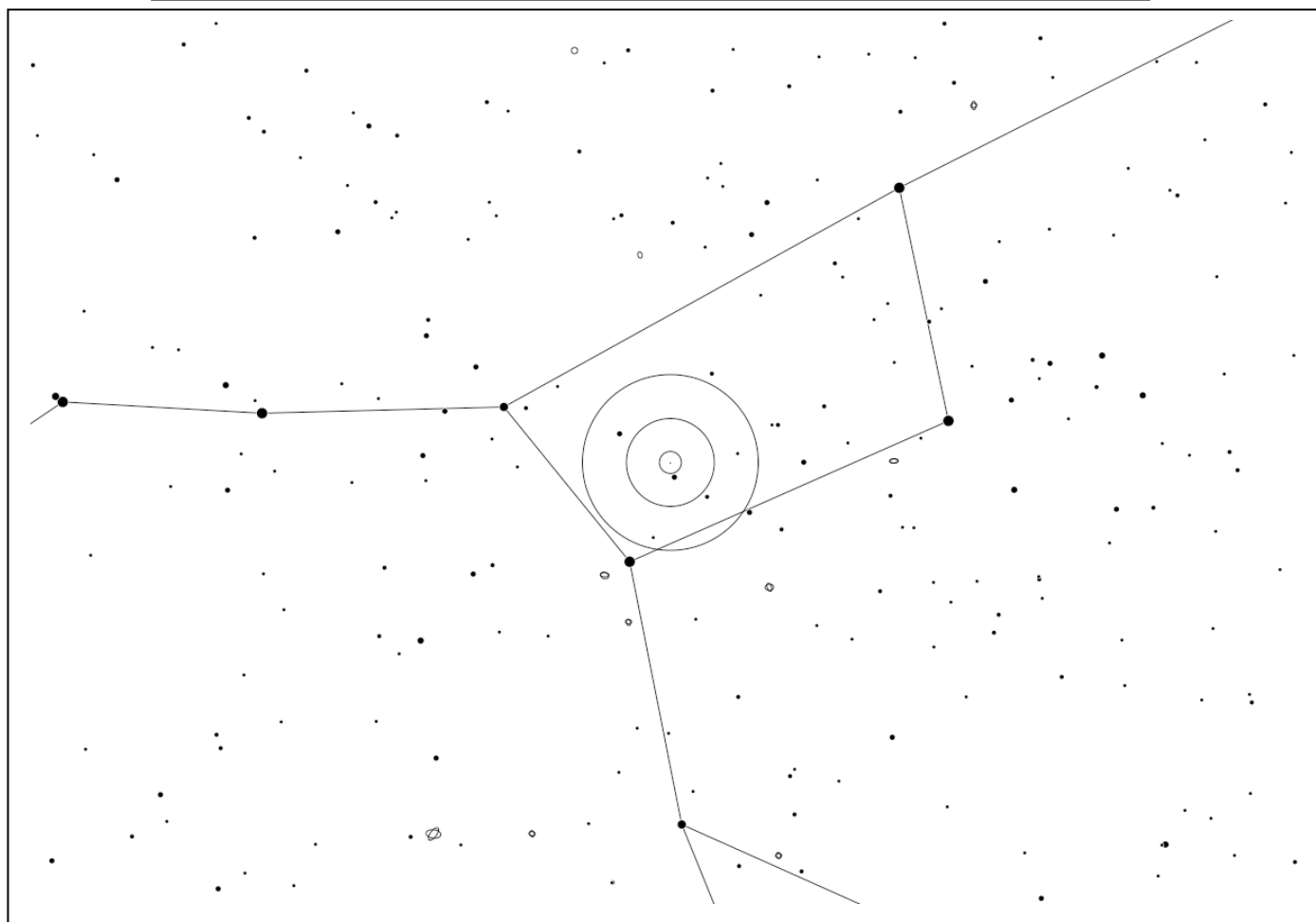
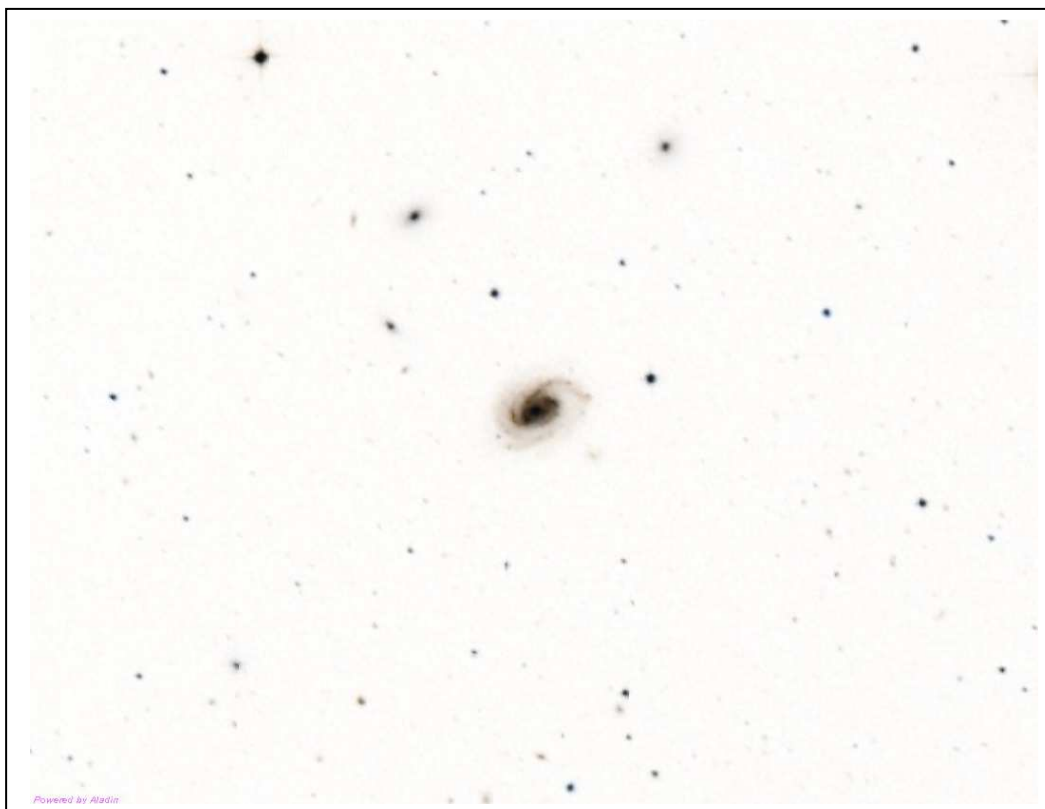
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3870	11h 45m 56.5s	+50° 11' 59"	S0?	1.0'X0.9'	12,5

NGC 3877



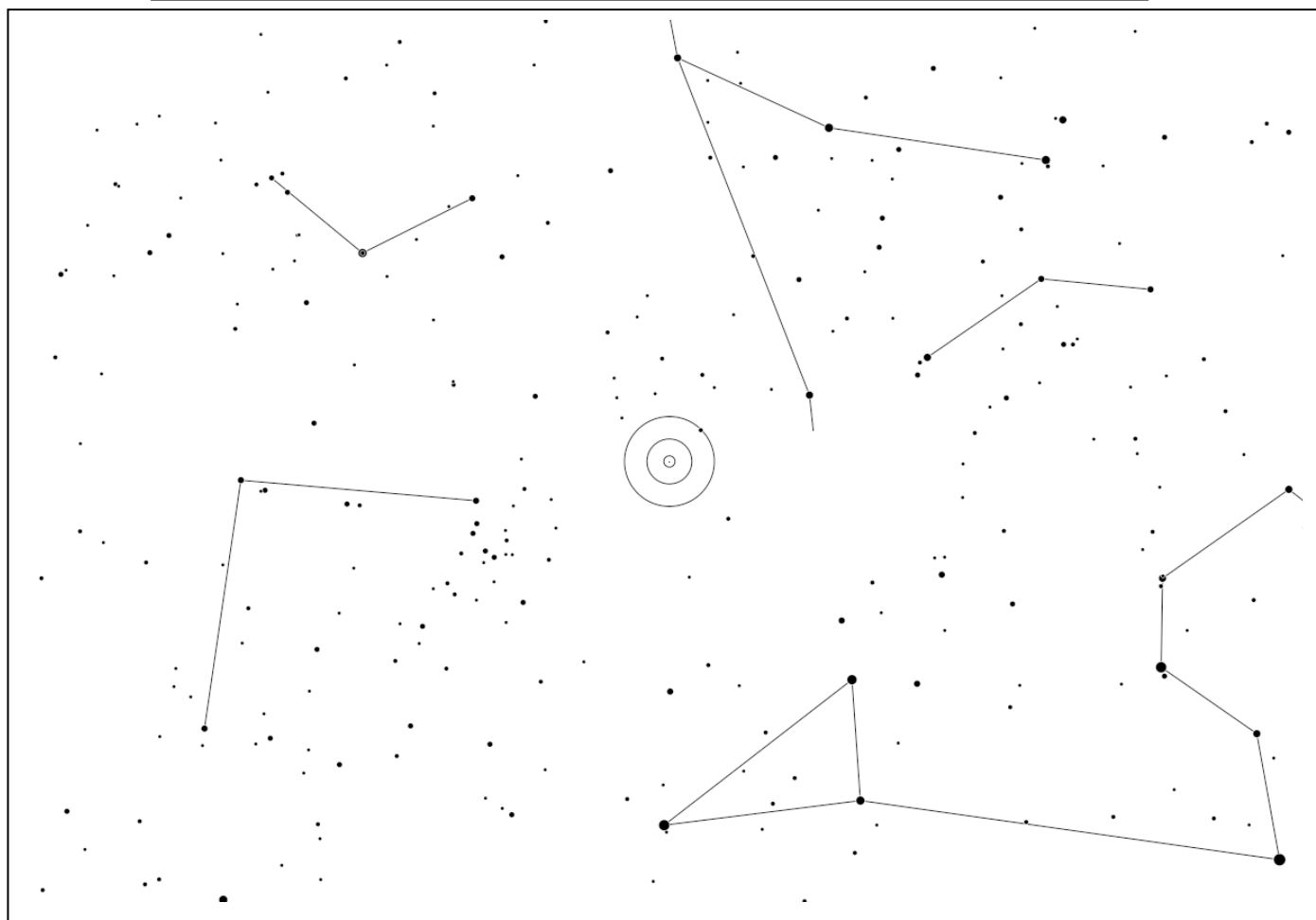
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3877	11h 46m 07.7s	+47° 29' 41"	Sc	5.5'X1.3'	11,3

NGC 3888



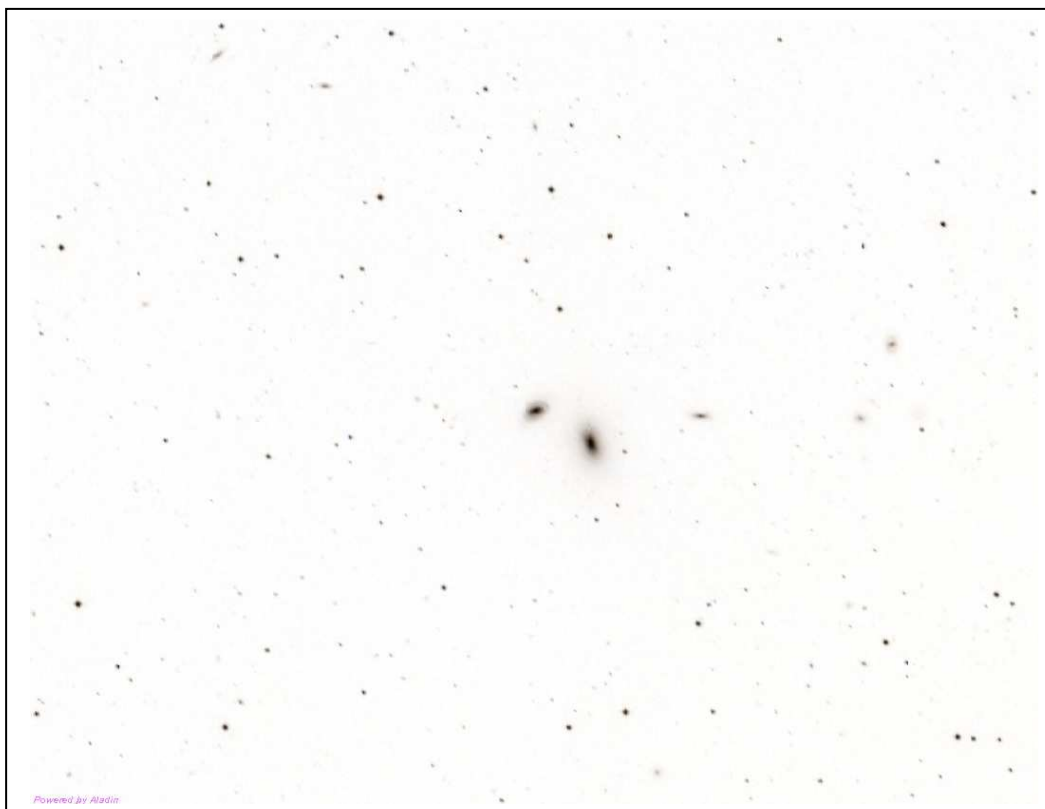
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3888	11h 47m 34.4s	+55° 58' 01"	Sc II-III	1.7'X1.3'	12,3

NGC 3891

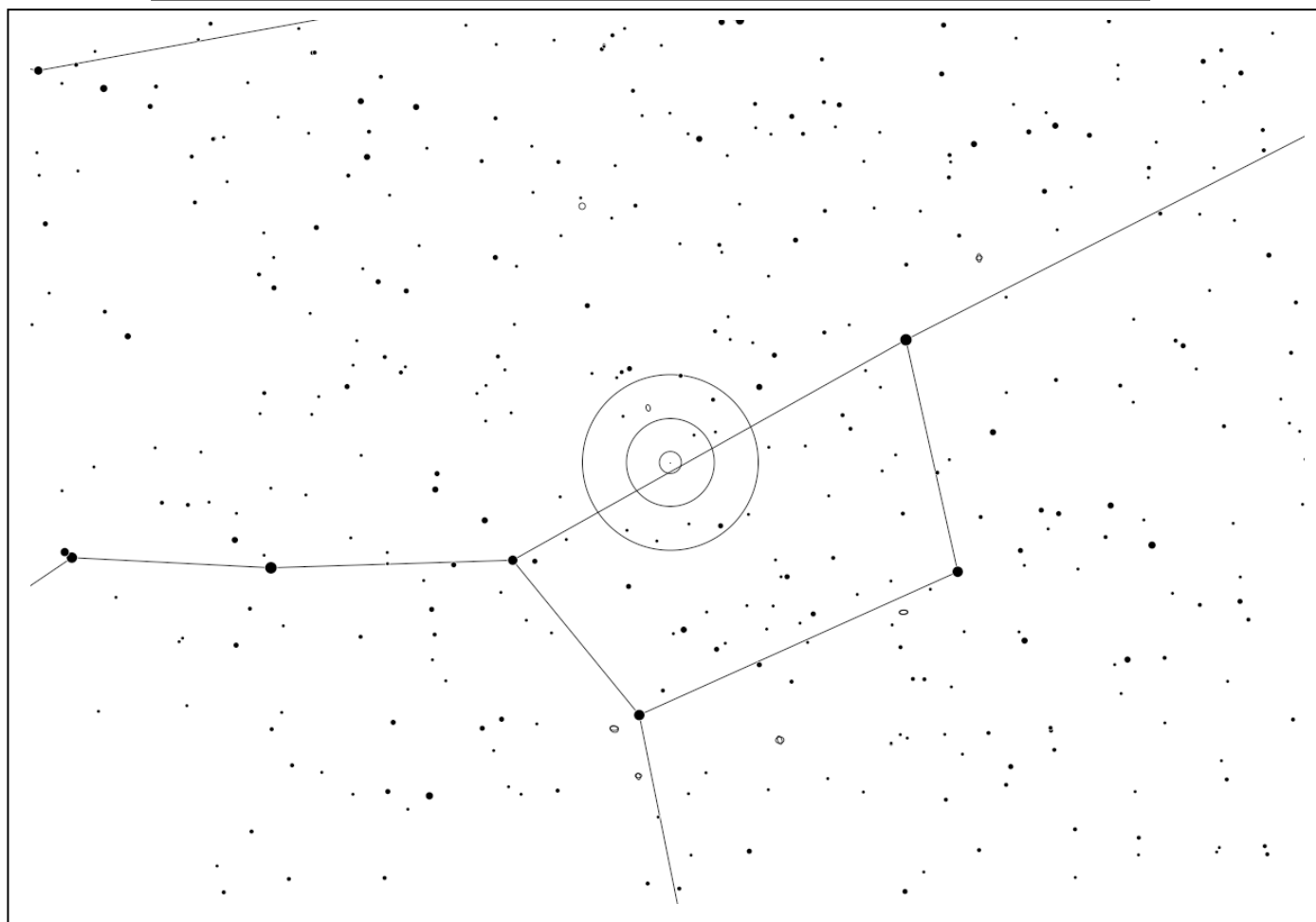


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3891	11h 48m 03.4s	+30° 21' 33"	Sb/Sc	2.0'X1.7'	12,6

NGC3894-NGC3895

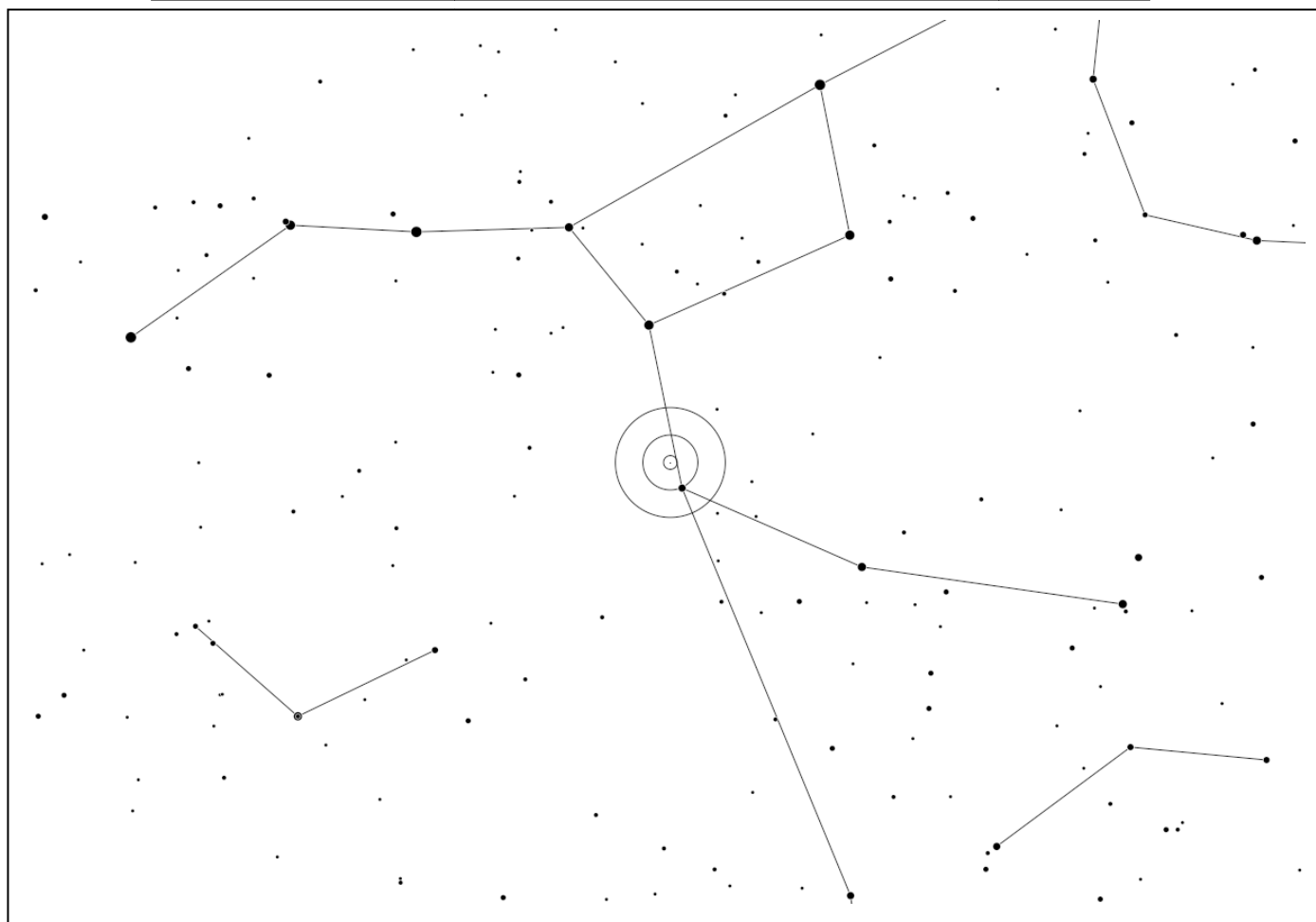


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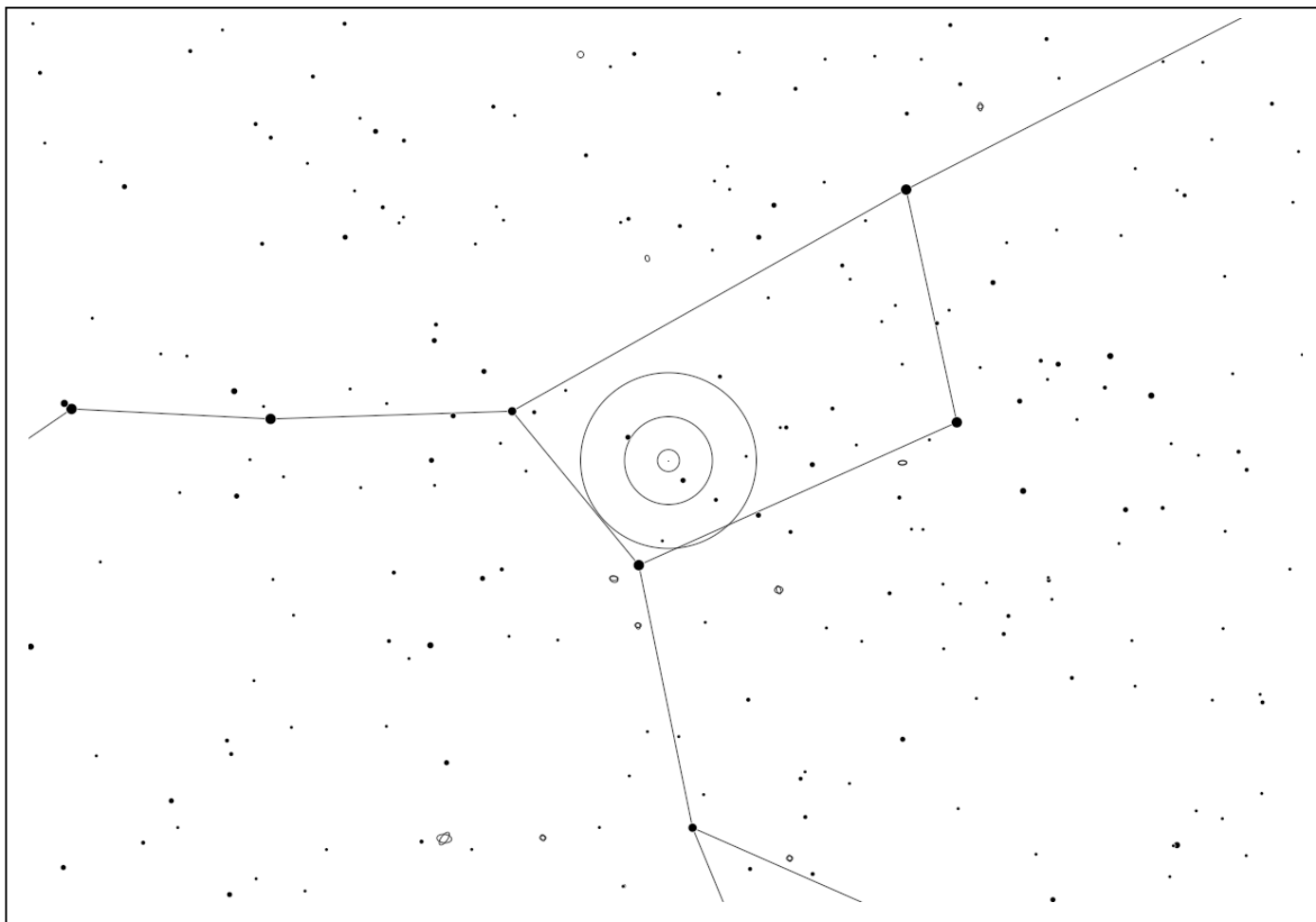
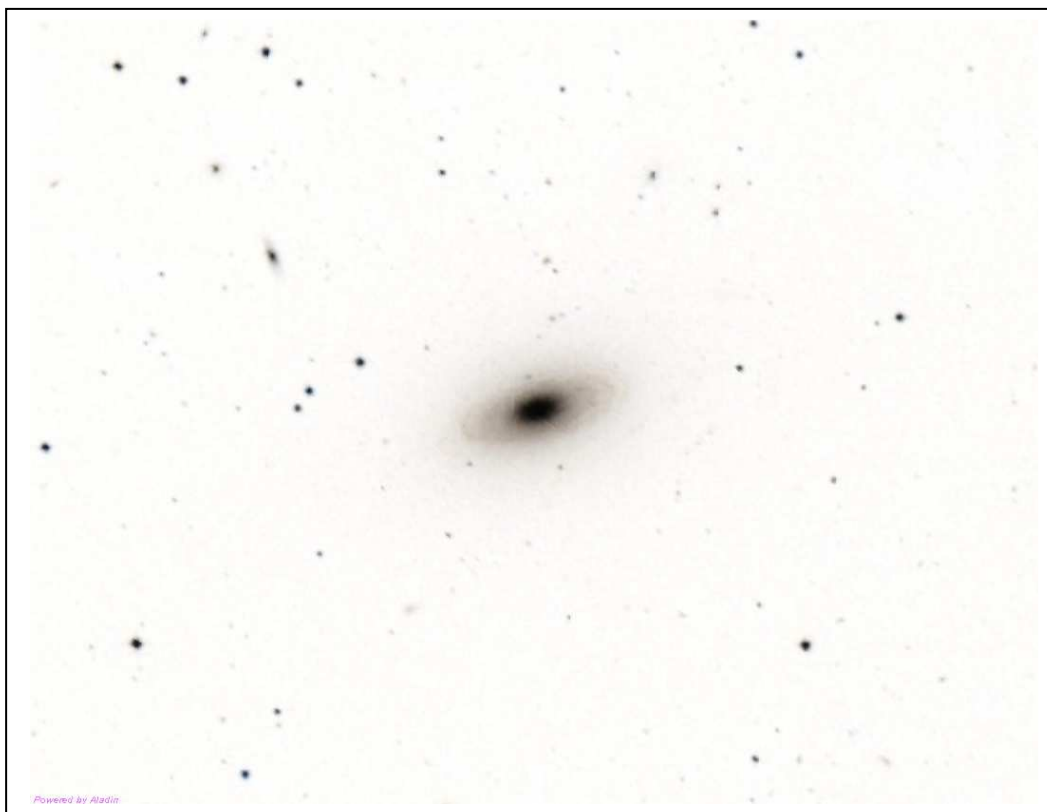
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3894	11h 48m 50.3s	+59° 24' 55"	S0	2.0'X1.4'	11,8
3895	11h 49m 04.0s	+59° 25' 56"	SBa	1.3'X1.0'	13,3

NGC3893-NGC3896



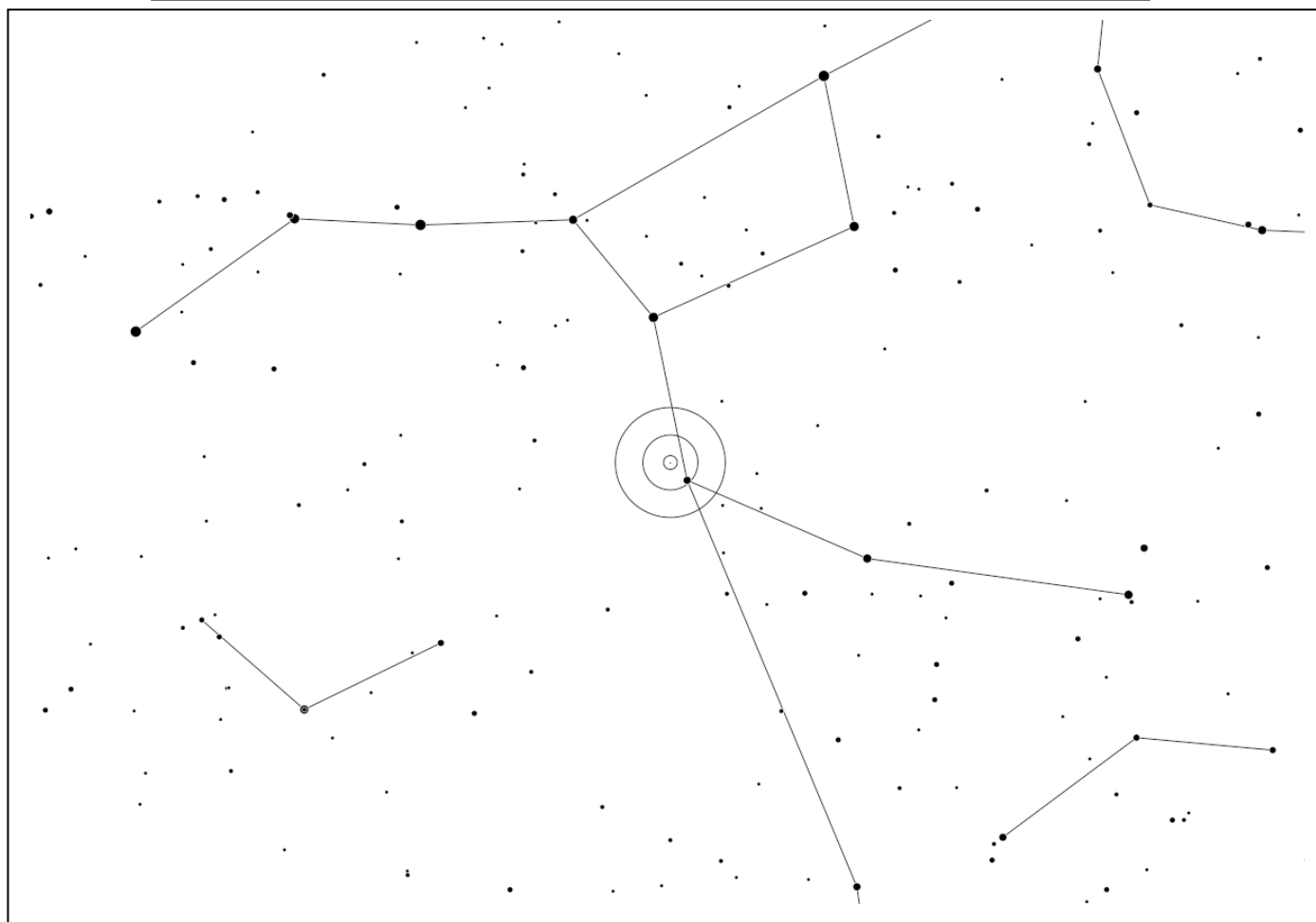
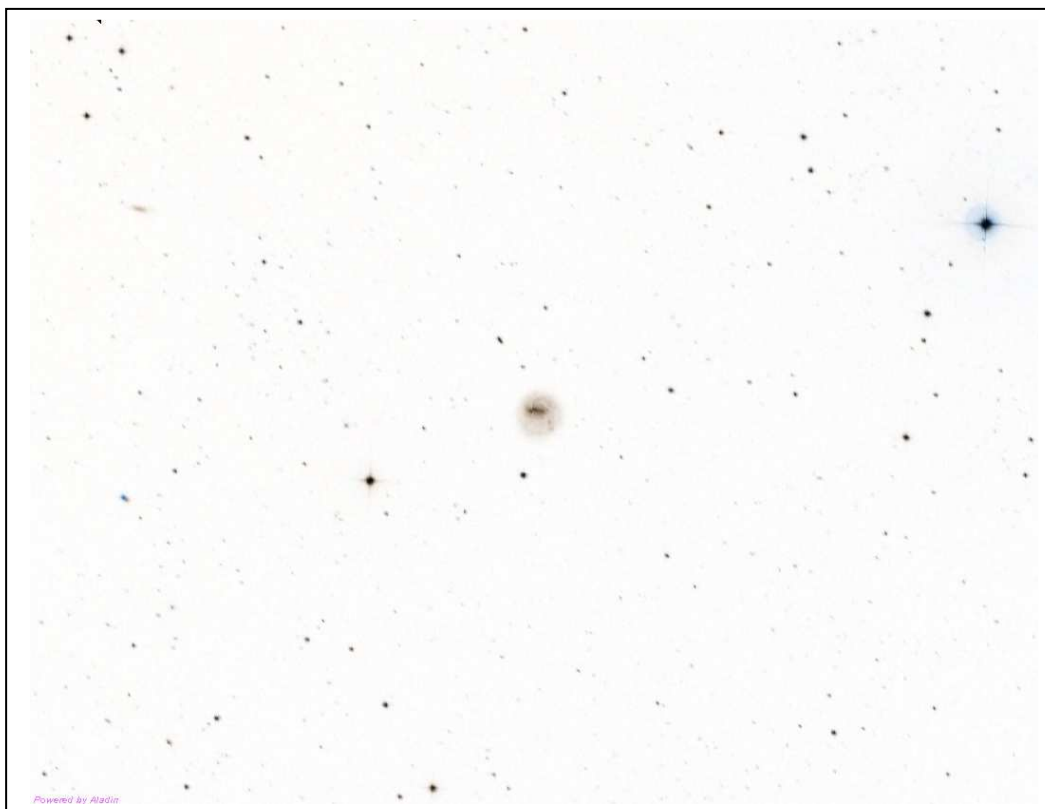
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3893	11h 48m 38.1s	+48° 42' 38"	Sc I	4.5'X2.8'	10,4
3896	11h 48m 56.4s	+48° 40' 28"	SB0-a	1.4'X1.0'	13,1

NGC 3898



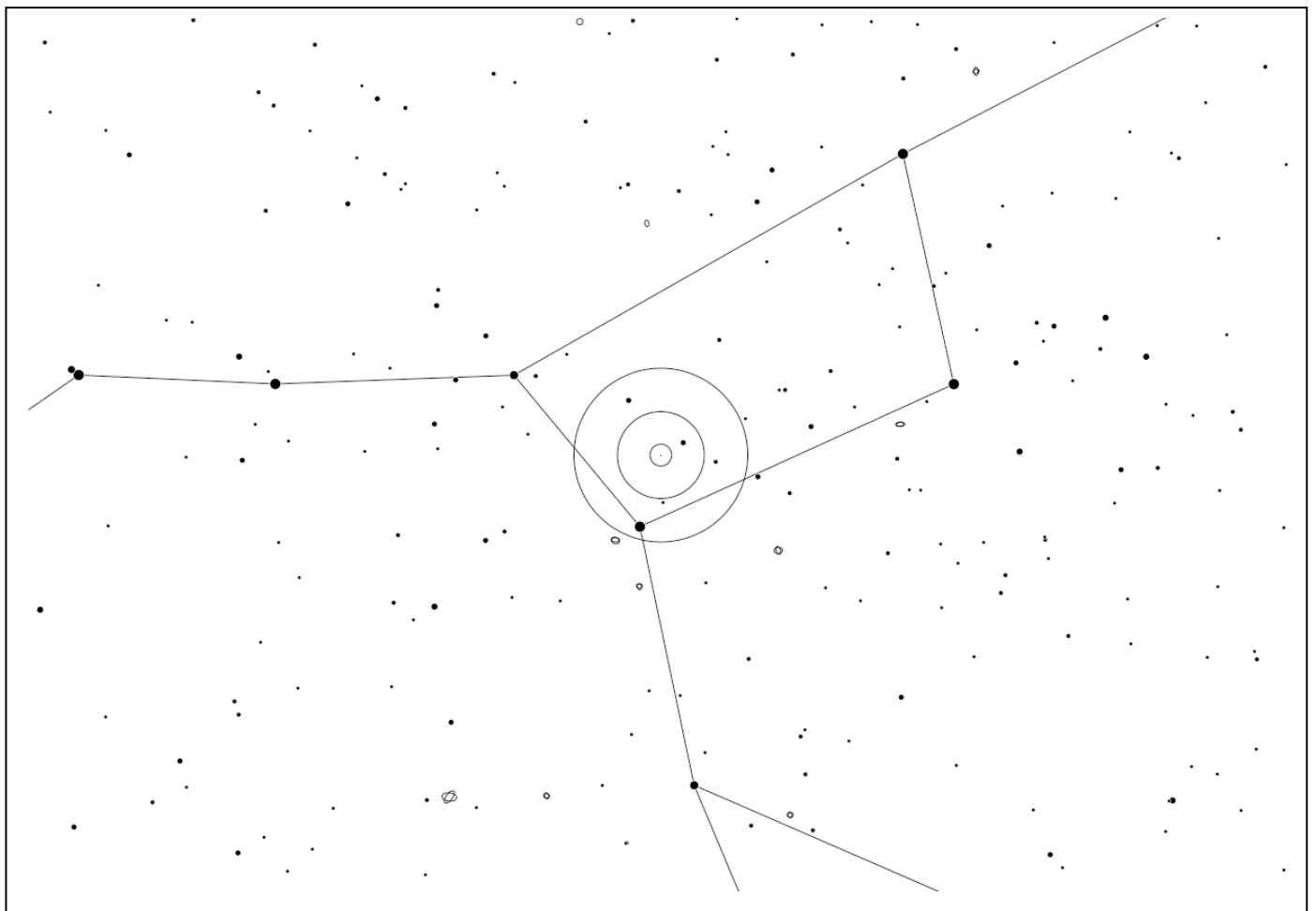
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3898	11h 49m 15.1s	+56° 05' 04"	Sa II	4.4'X2.6'	11

NGC 3906



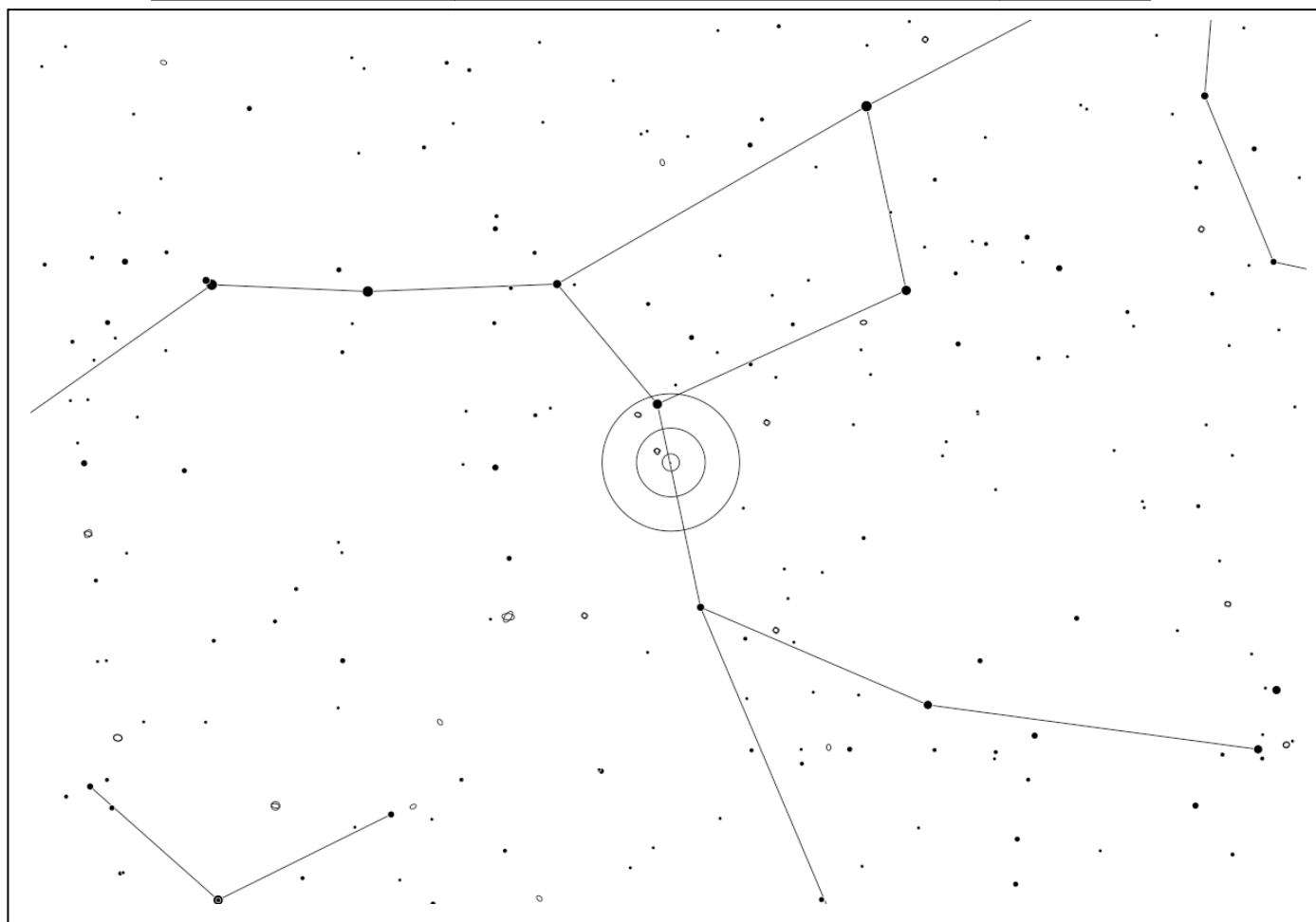
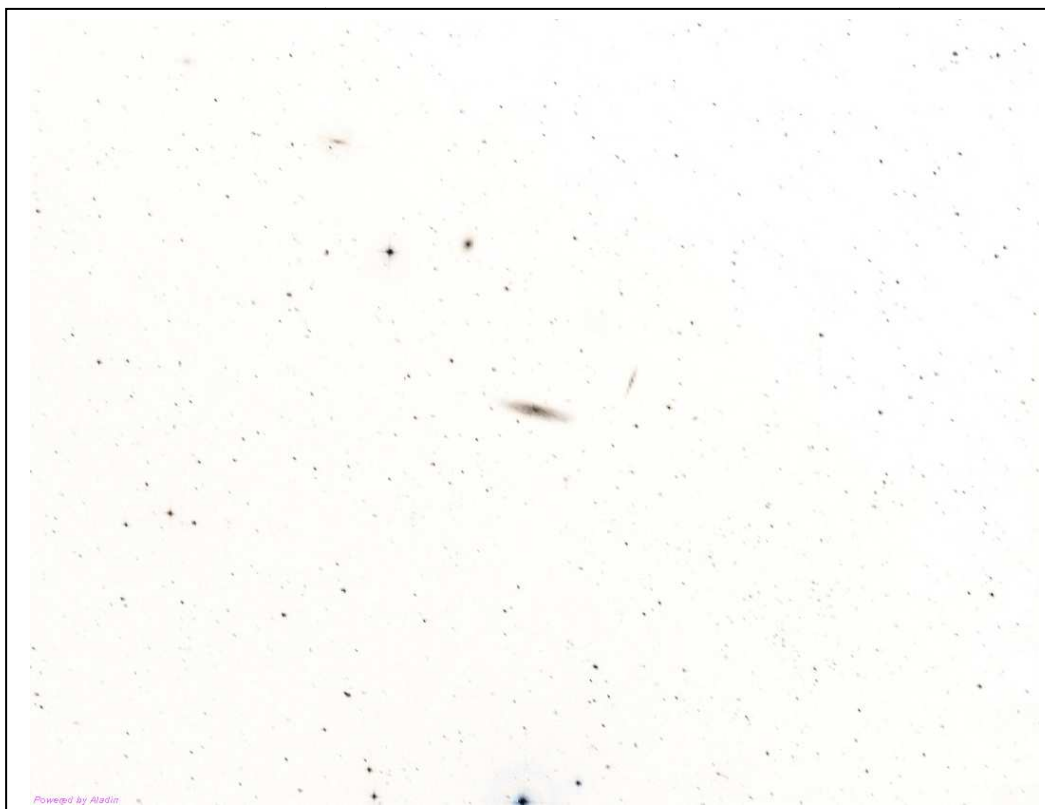
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3906	11h 49m 40.2s	+48° 25' 35"	SB...	1.9'X1.7'	12.9

NGC 3913



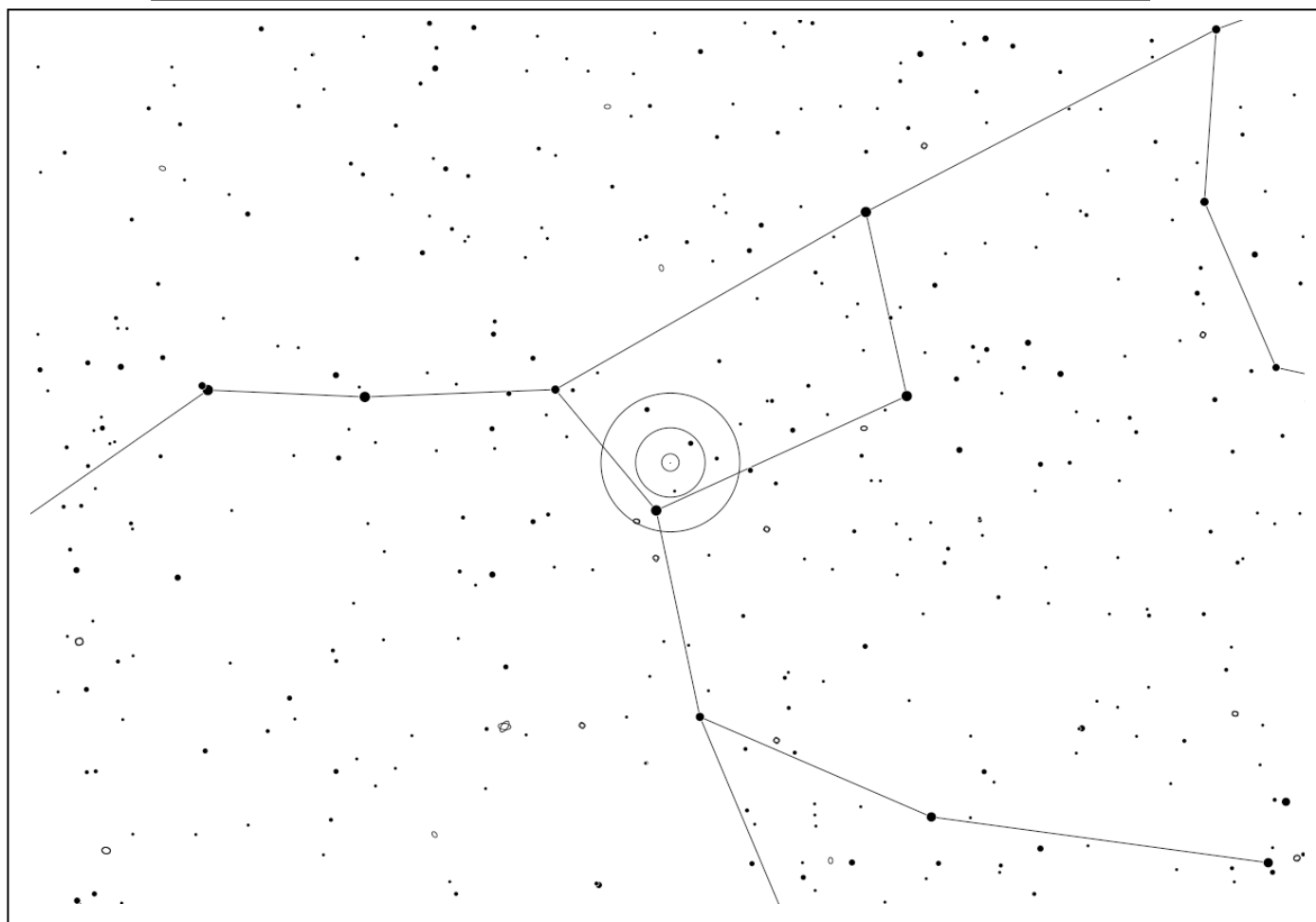
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3913	11h 50m 38.9s	+55° 21' 12"	Sc	2.6'X2.6'	12.6

NGC 3917



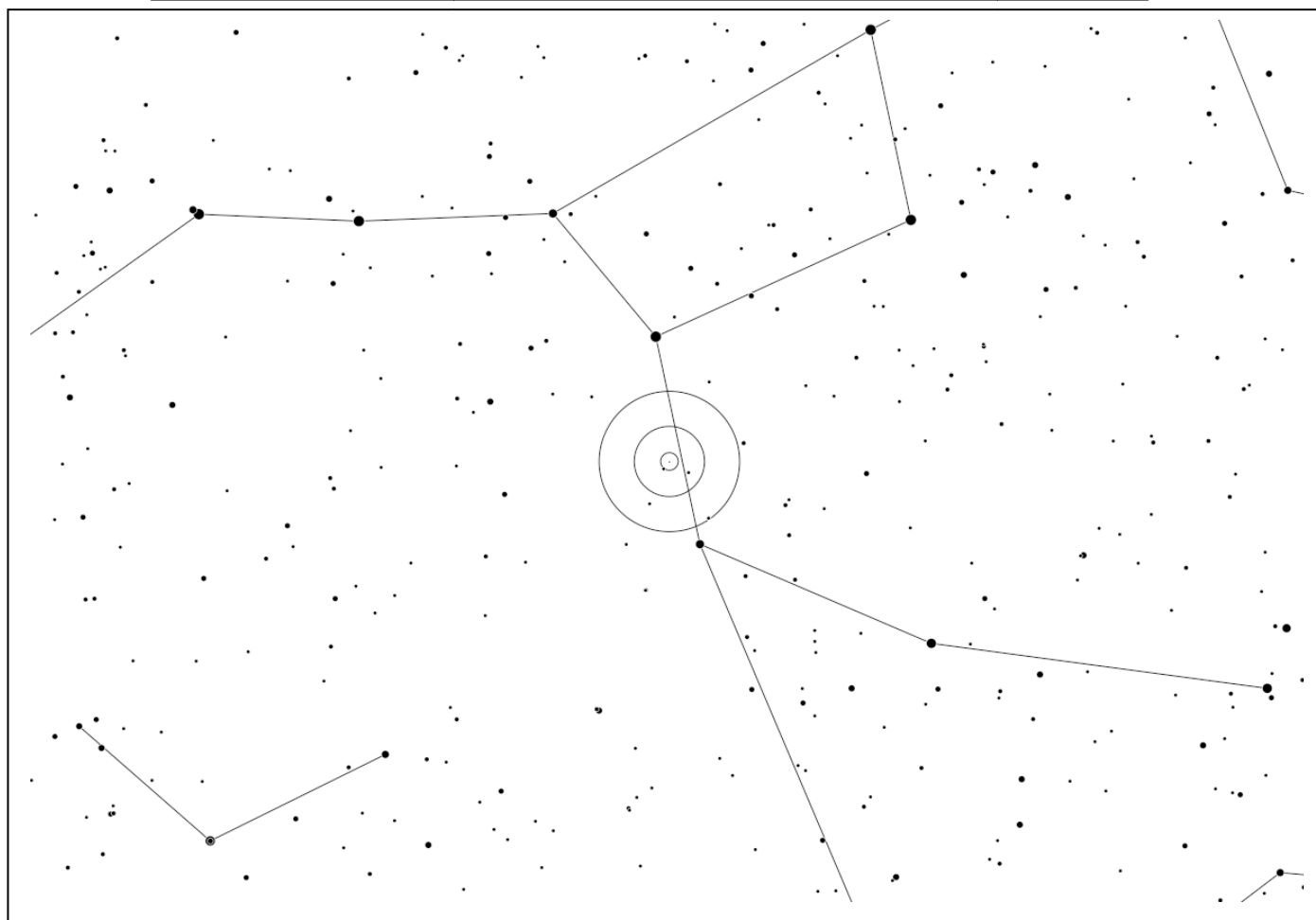
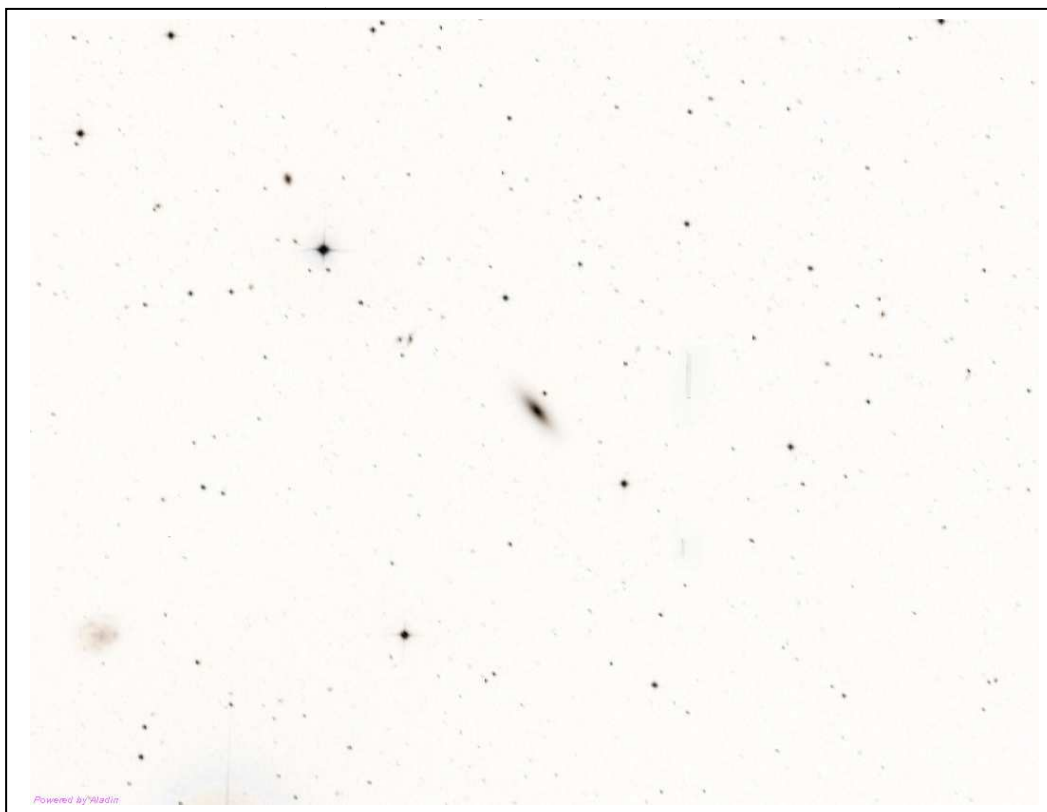
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3917	11h 50m 45.3s	+51° 49' 28"	Sc	5.1'X1.3'	11,9

NGC 3916-NGC3921(ARP 224)



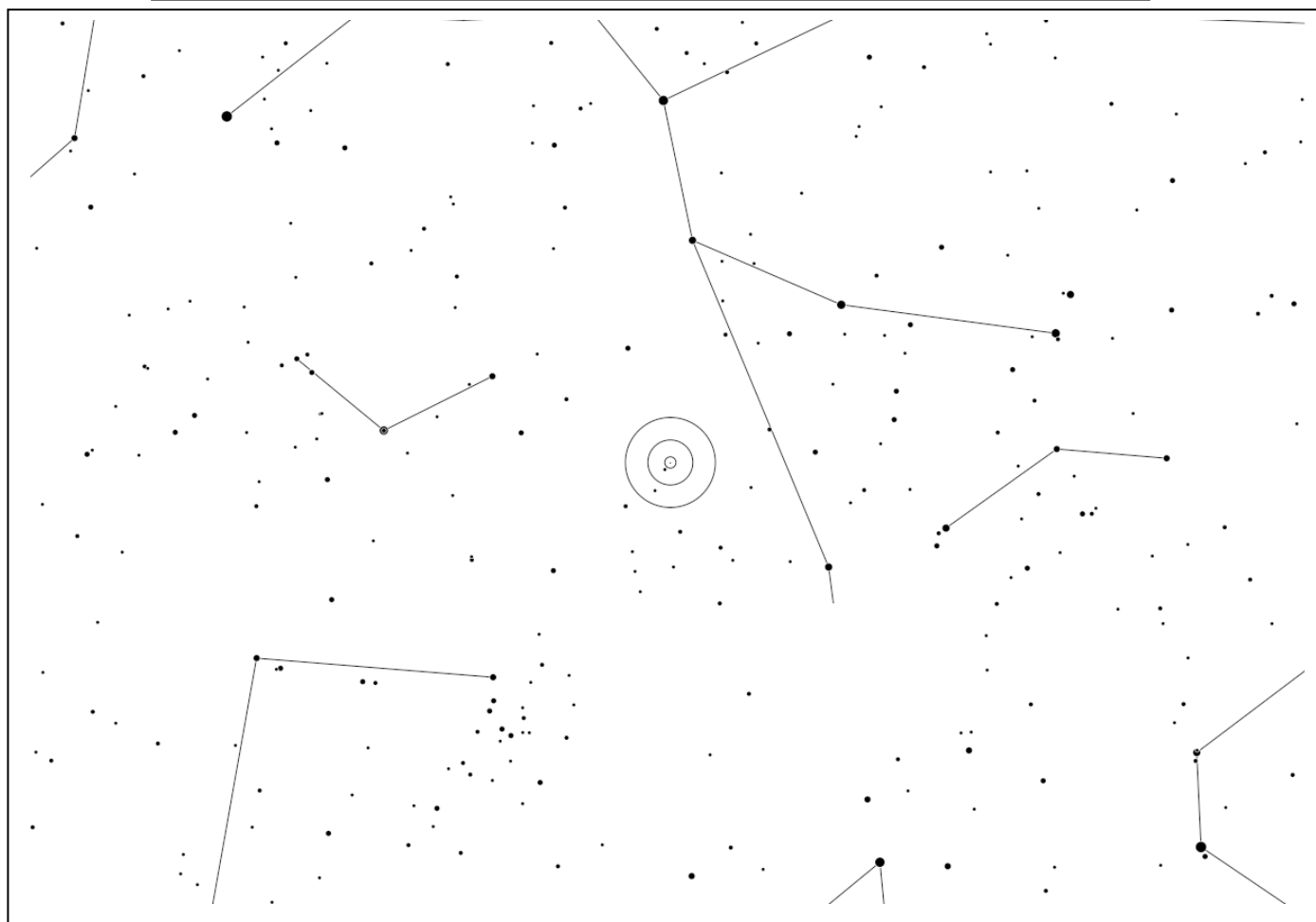
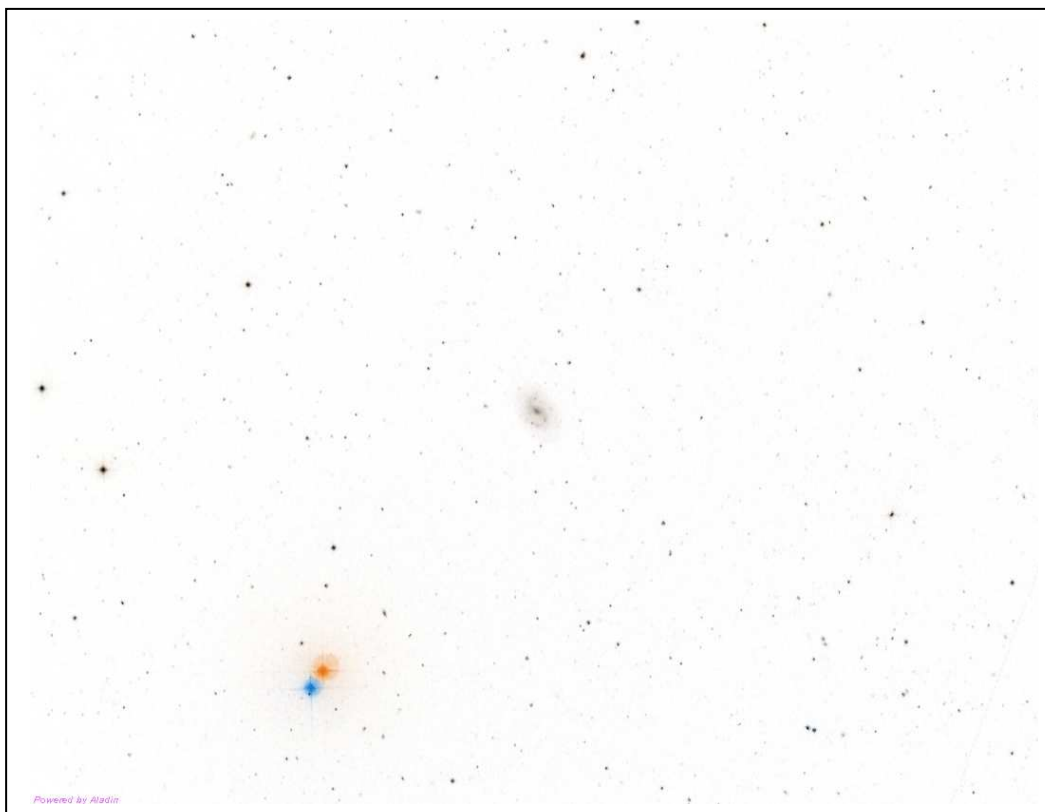
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3916	11h 50m 51.0s	+55° 08' 35"	Sb	1.6'X0.4'	14,1
3921(ARP224)	11h 51m 06.8s	+55° 04' 42"	...	2.1'X1.3'	12,5

NGC 3922



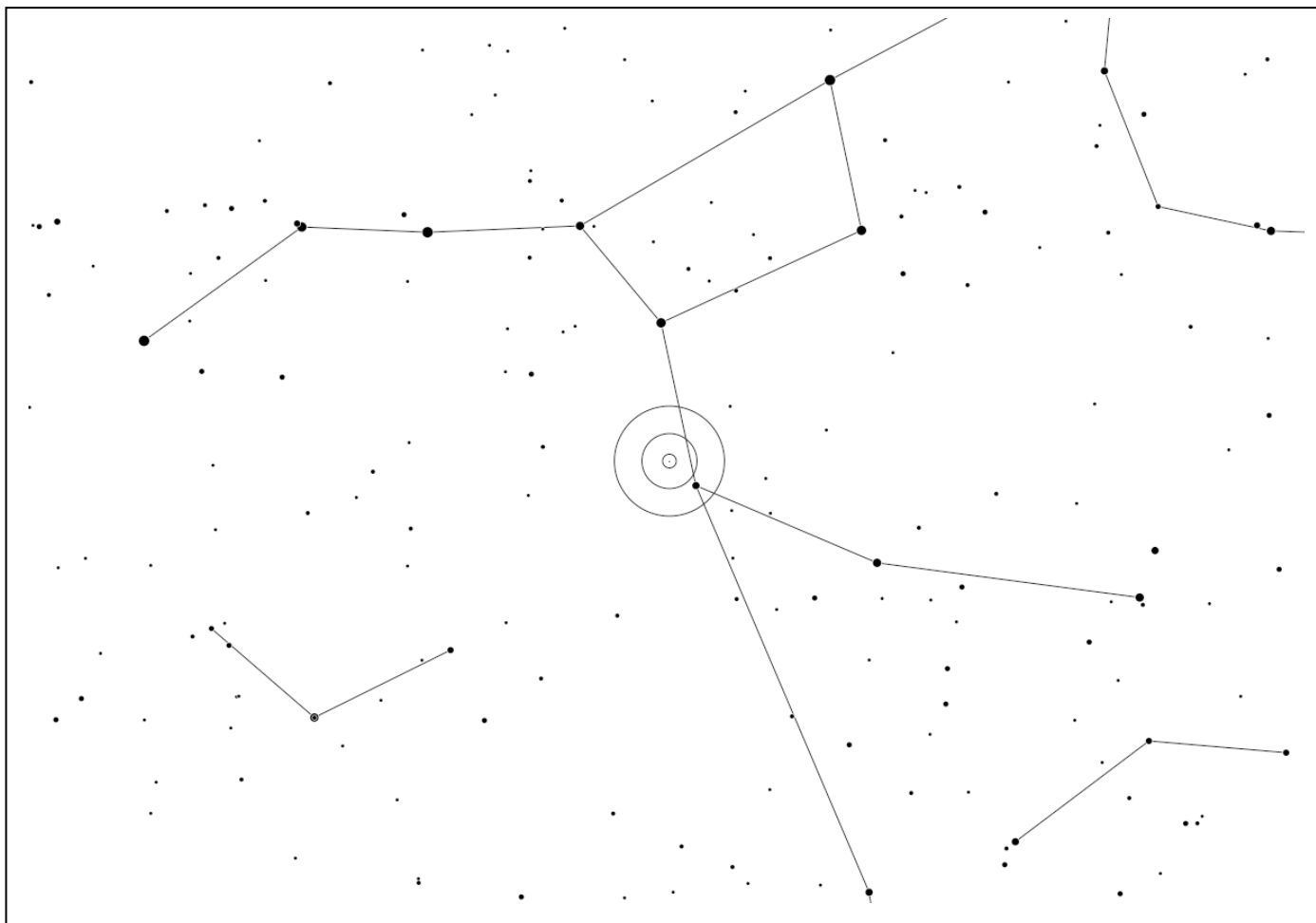
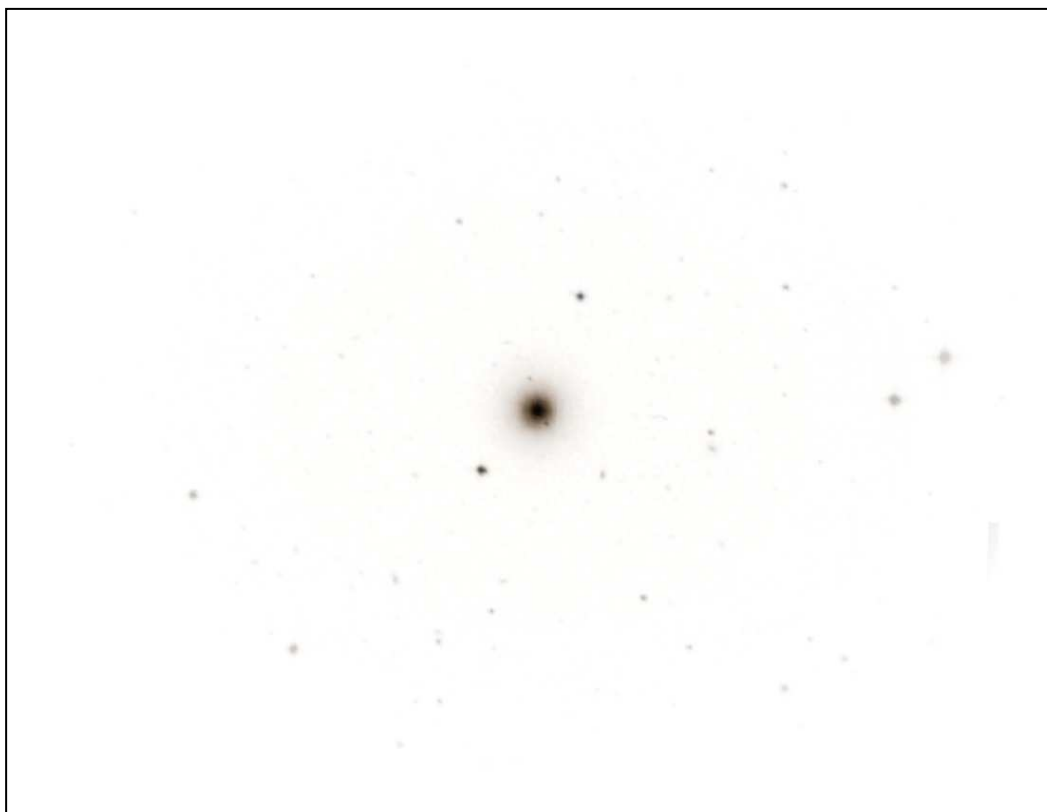
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3922	11h 51m 13.3s	+50° 09' 25"	S0-a	1.7'X0.8'	13

NGC 3930



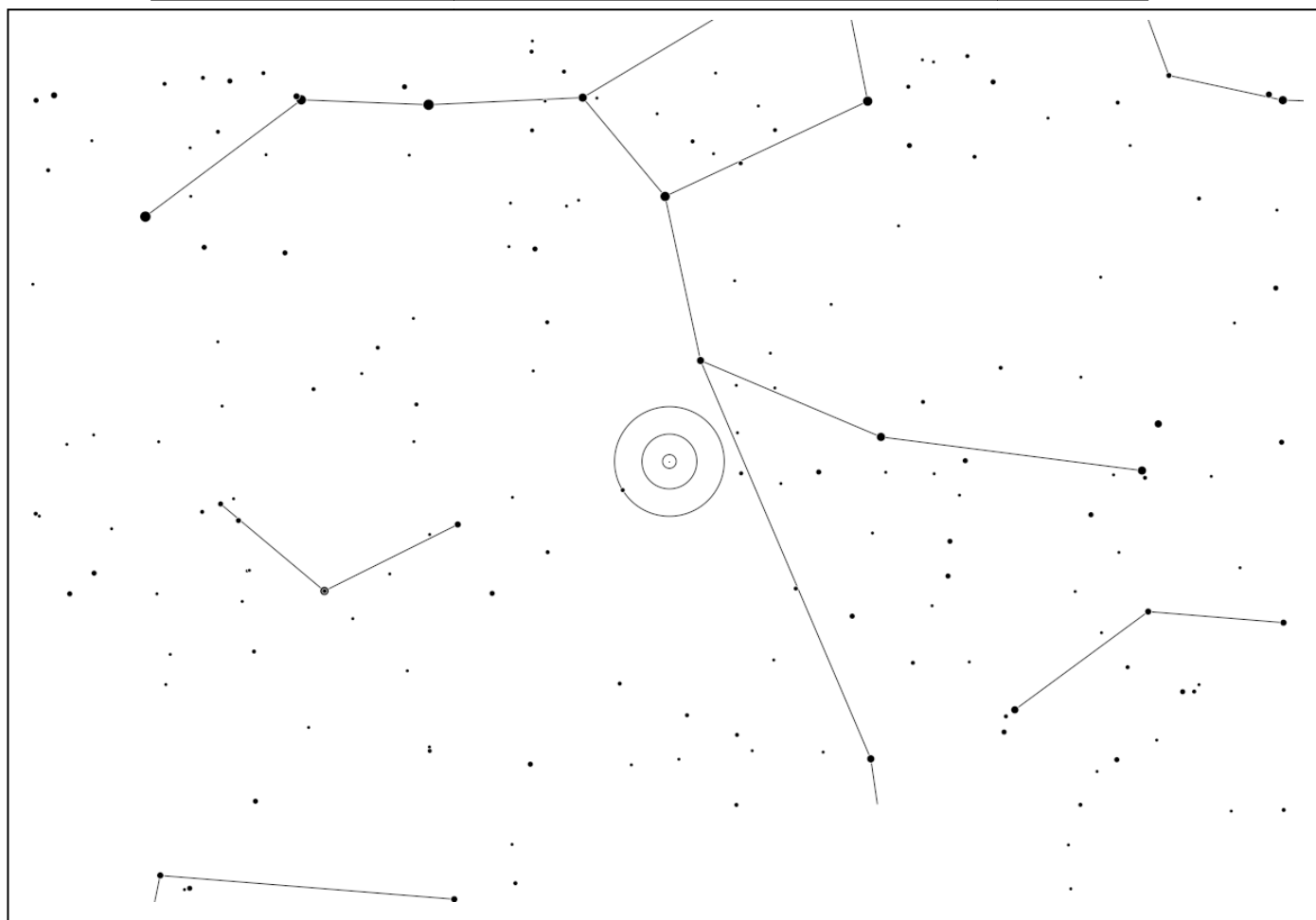
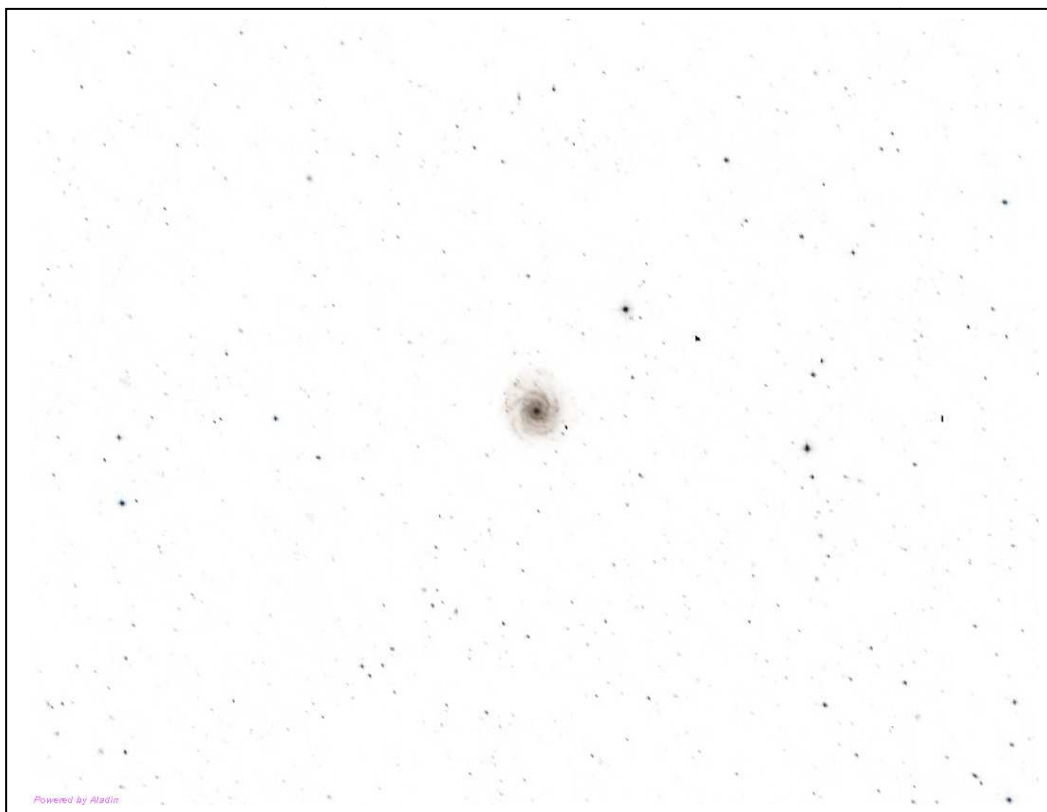
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3930	11h 51m 45.9s	+38° 00' 54"	Sc/SBc	3.2'X2.4'	12,6

NGC 3928



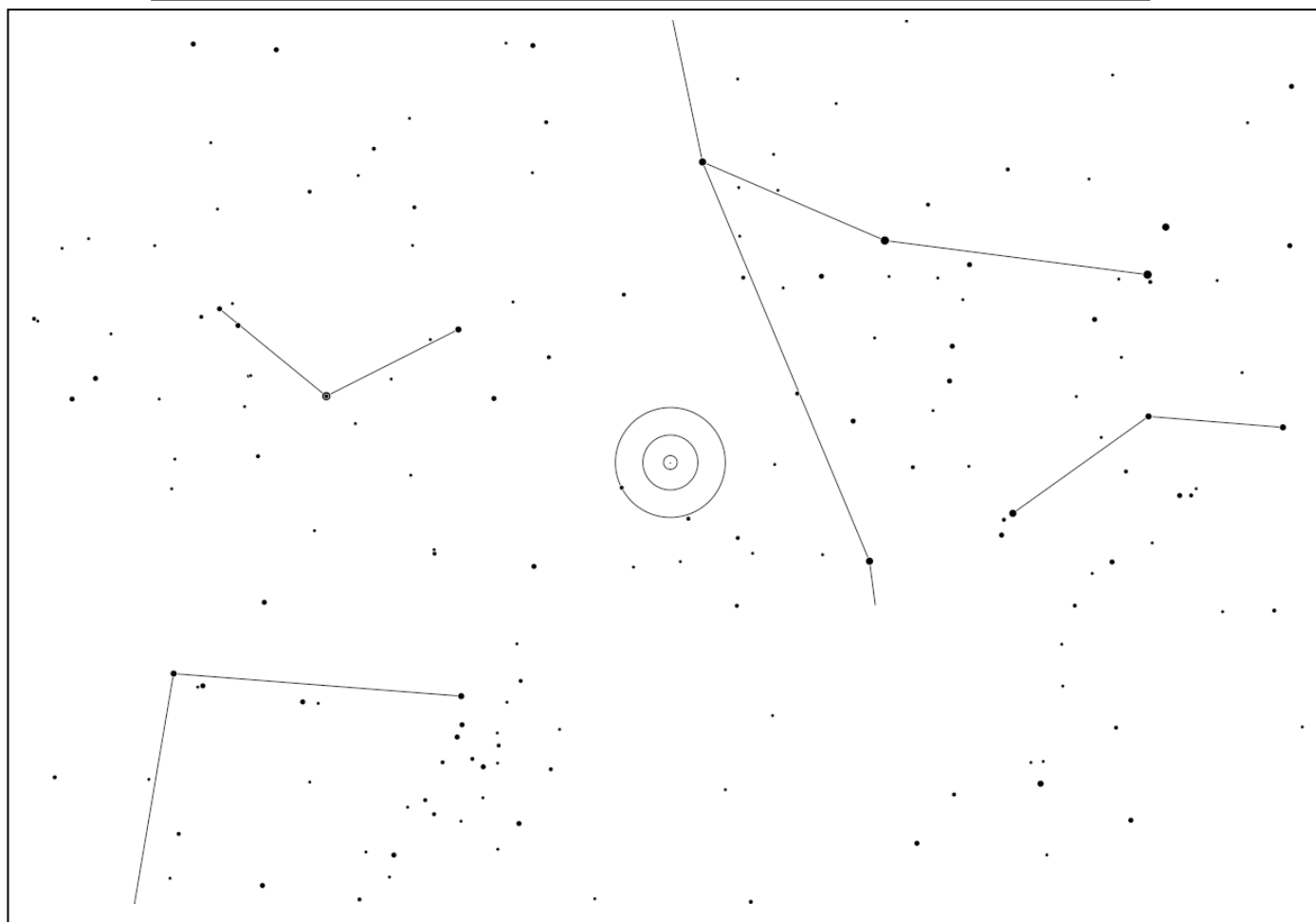
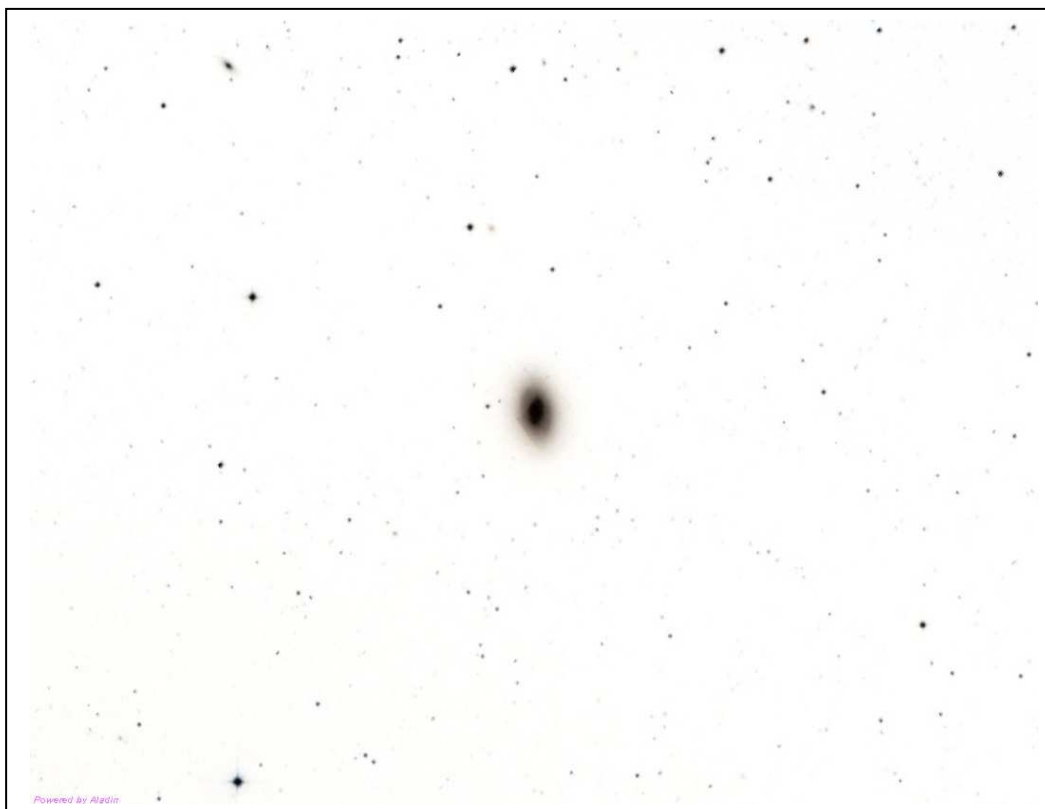
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3928	11h 51m 47.5s	+48° 40' 59"	E	1.5'X1.5'	12,4

NGC 3938



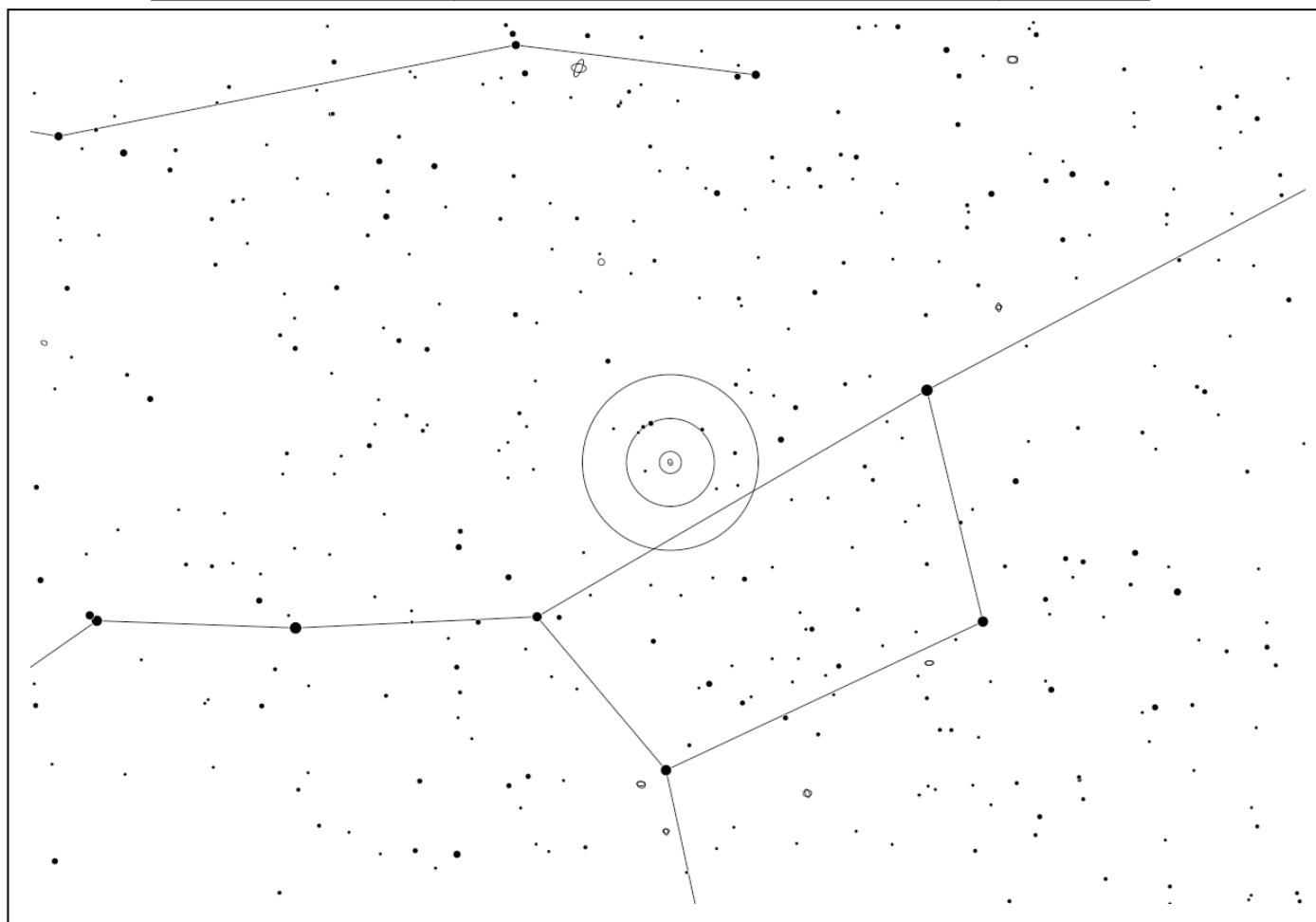
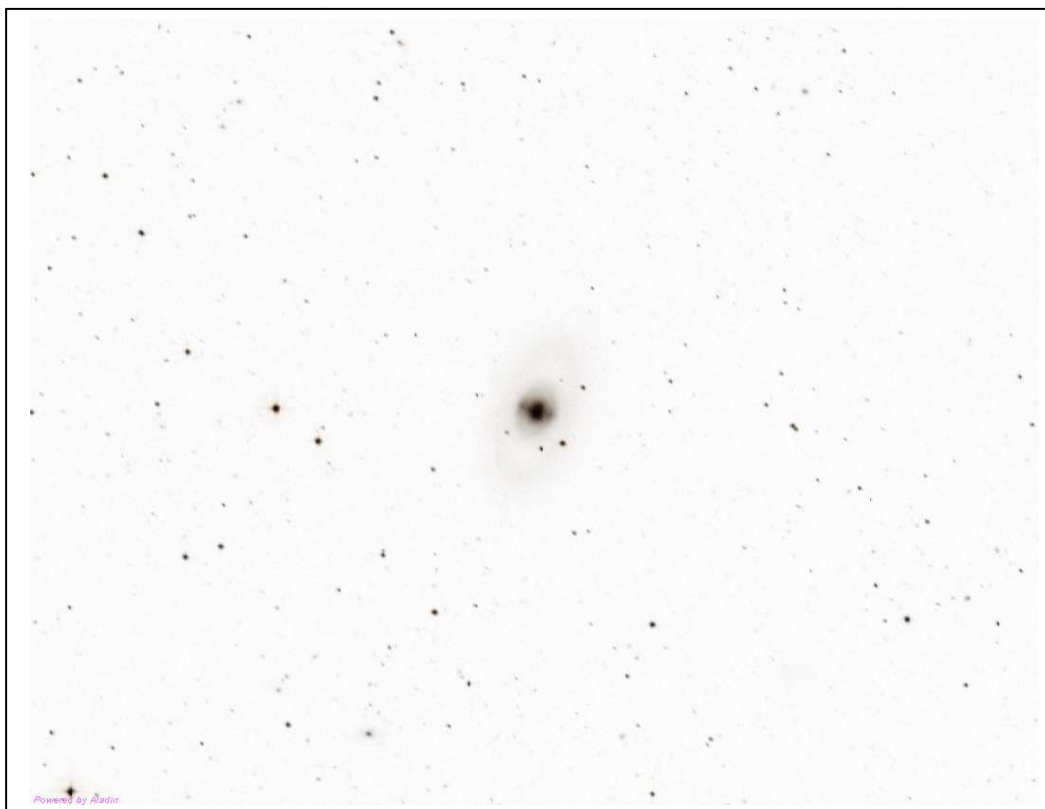
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3938	11h 52m 49.3s	+44° 07' 13"	Sc I	5.4'X4.9'	10,4

NGC 3941



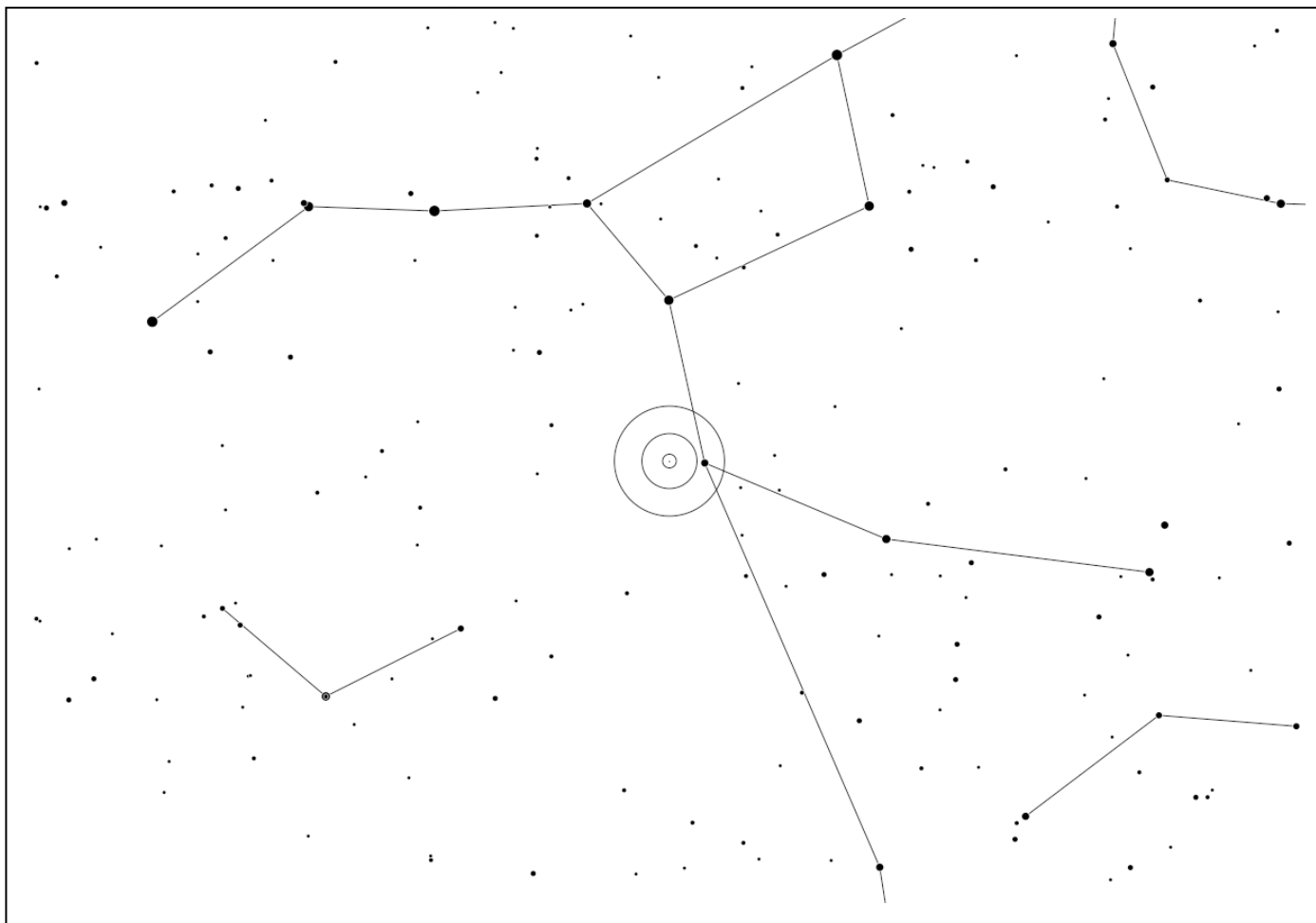
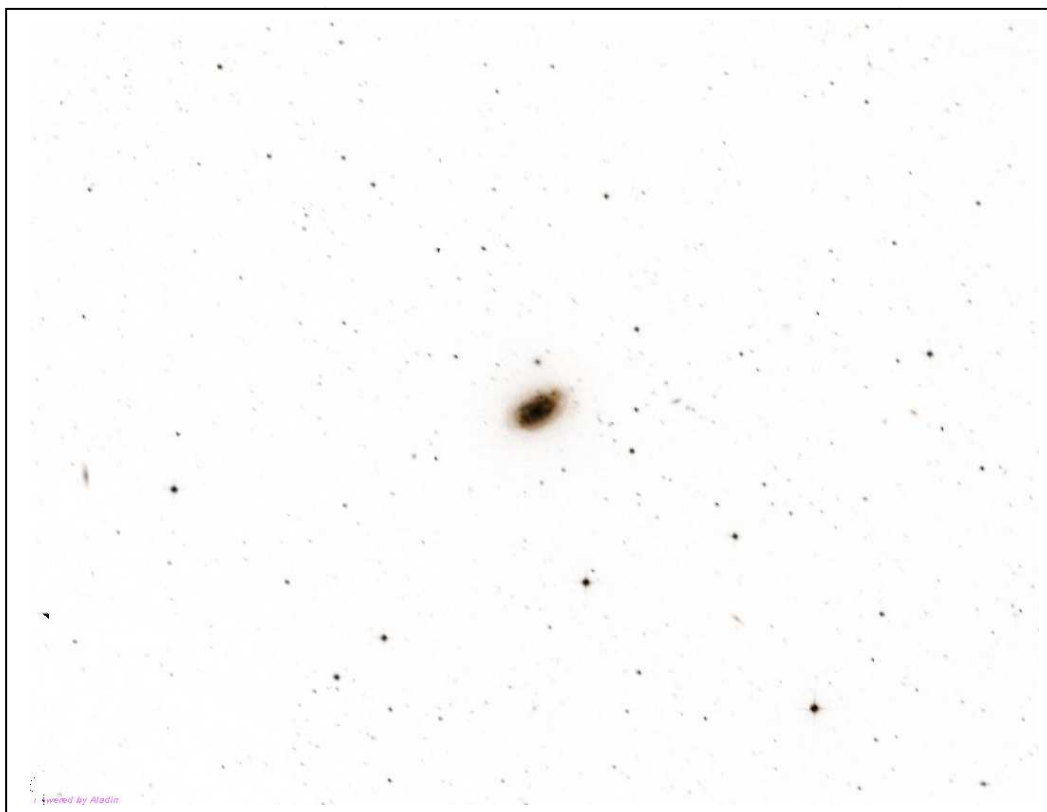
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3941	11h 52m 55.3s	+36° 59' 10"	S0	3.5'X2.3'	10,4

NGC 3945



NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3945	11h 53m 13.5s	+60° 40' 31"	SB0	5.5'X3.6'	10,5

NGC 3949

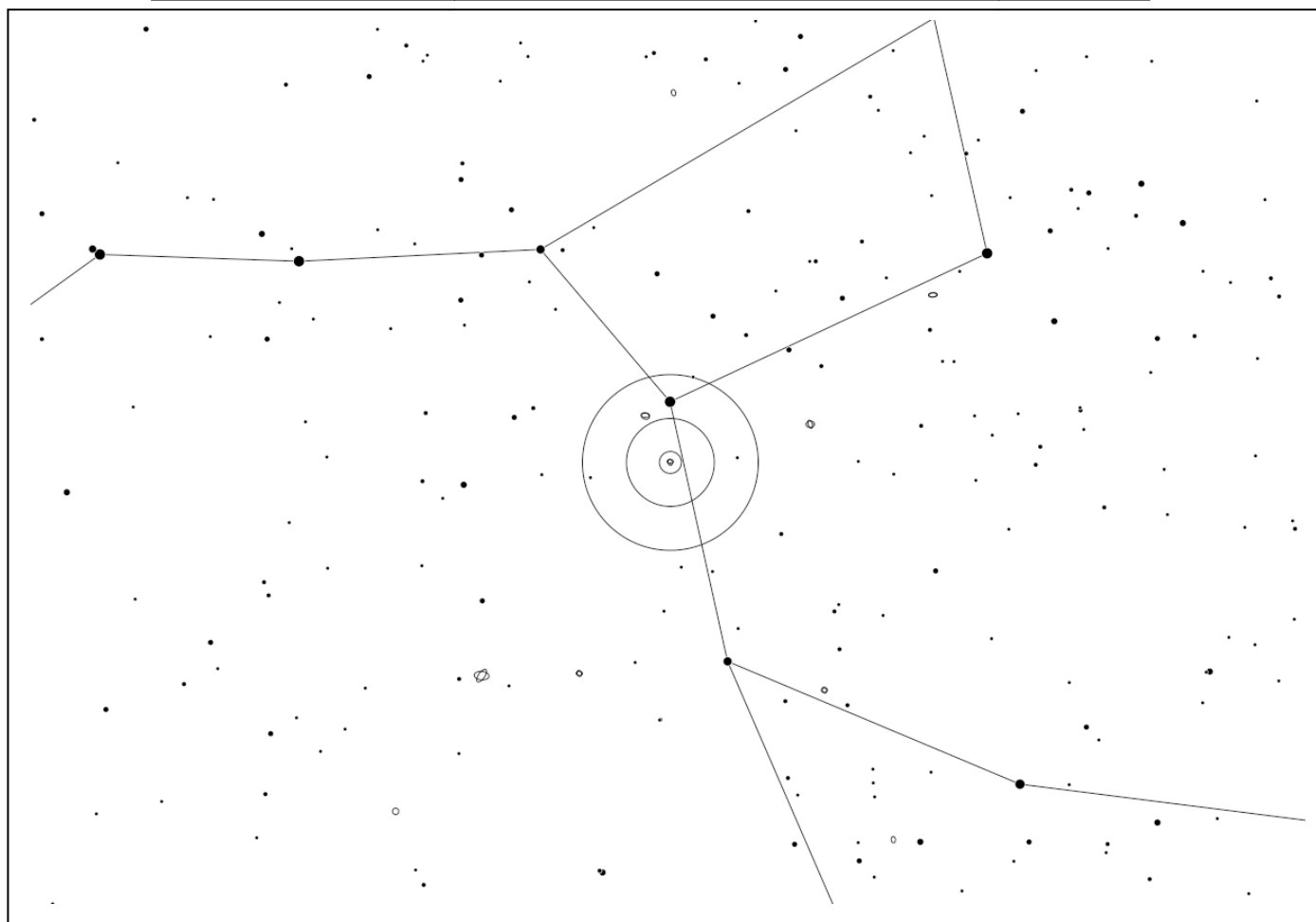


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3949	11h 53m 41.7s	+47° 51' 30"	S...	2.9'X1.7'	10,9

NGC 3953

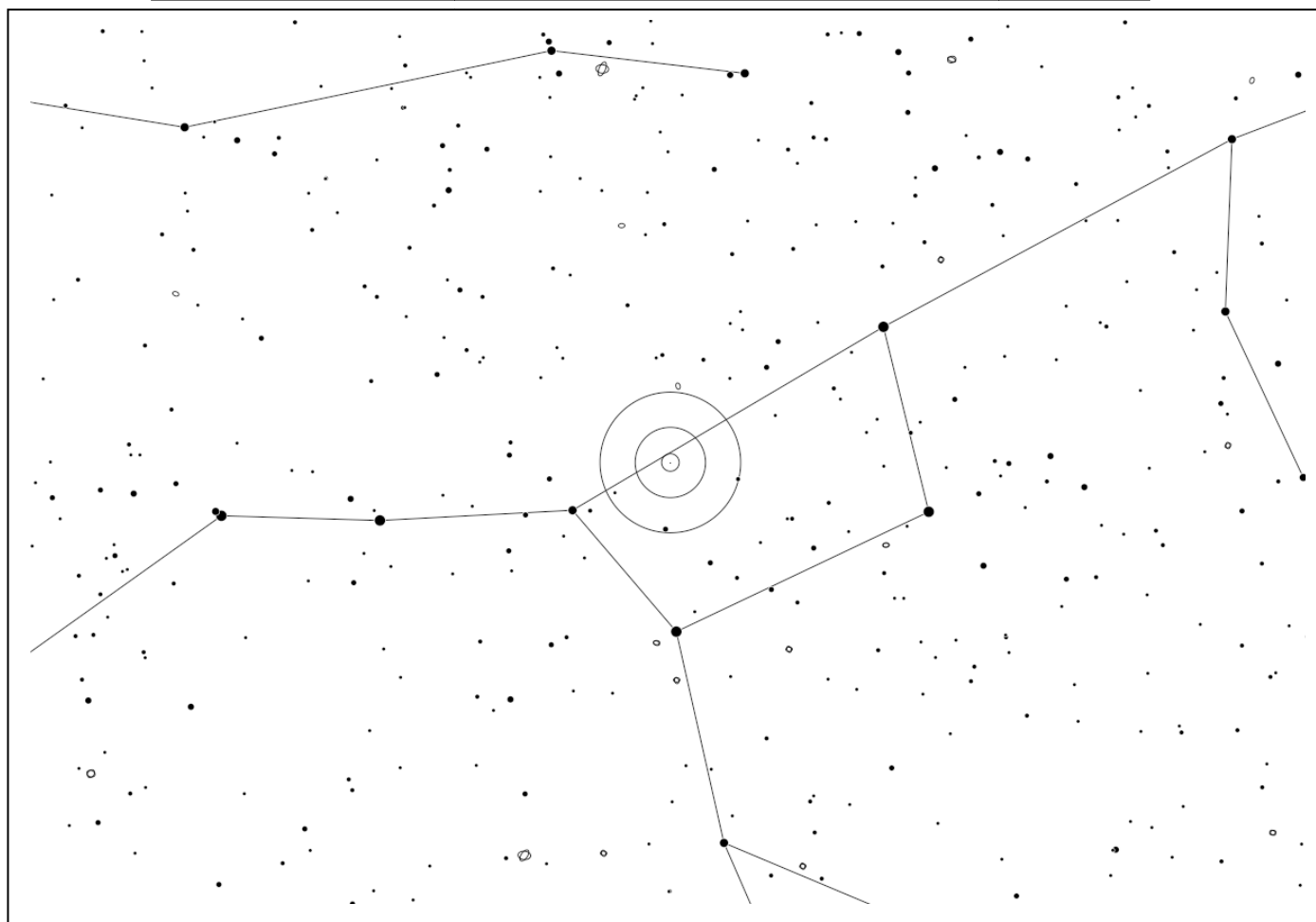
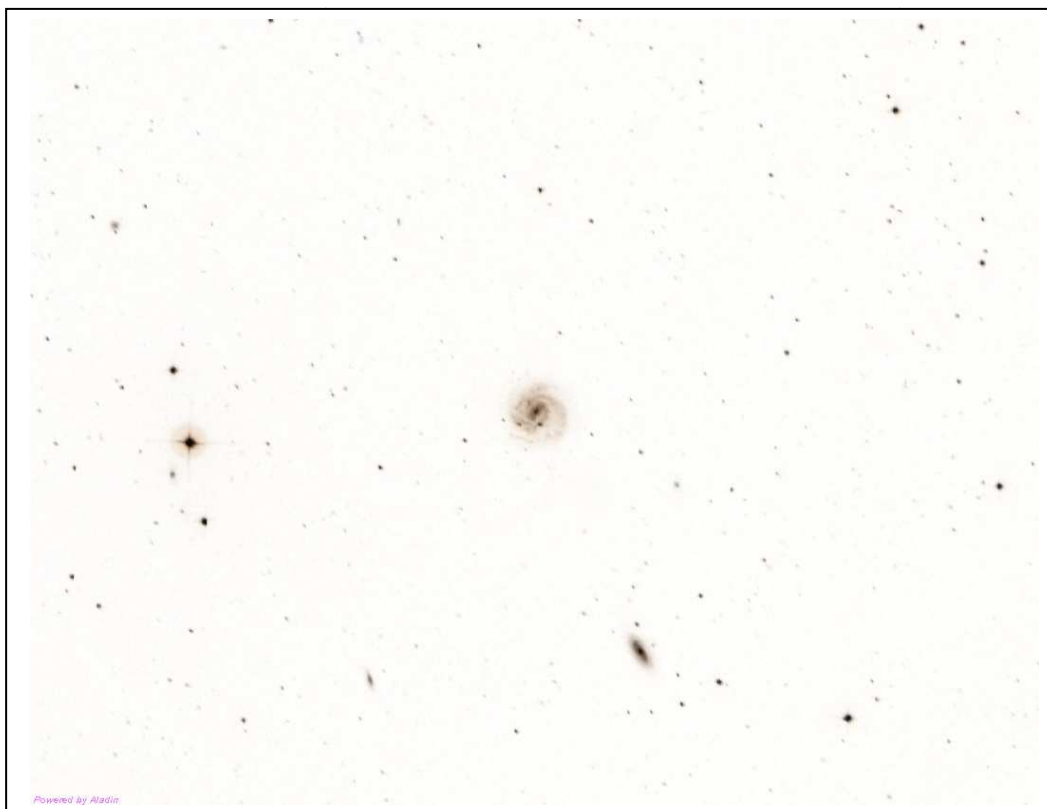


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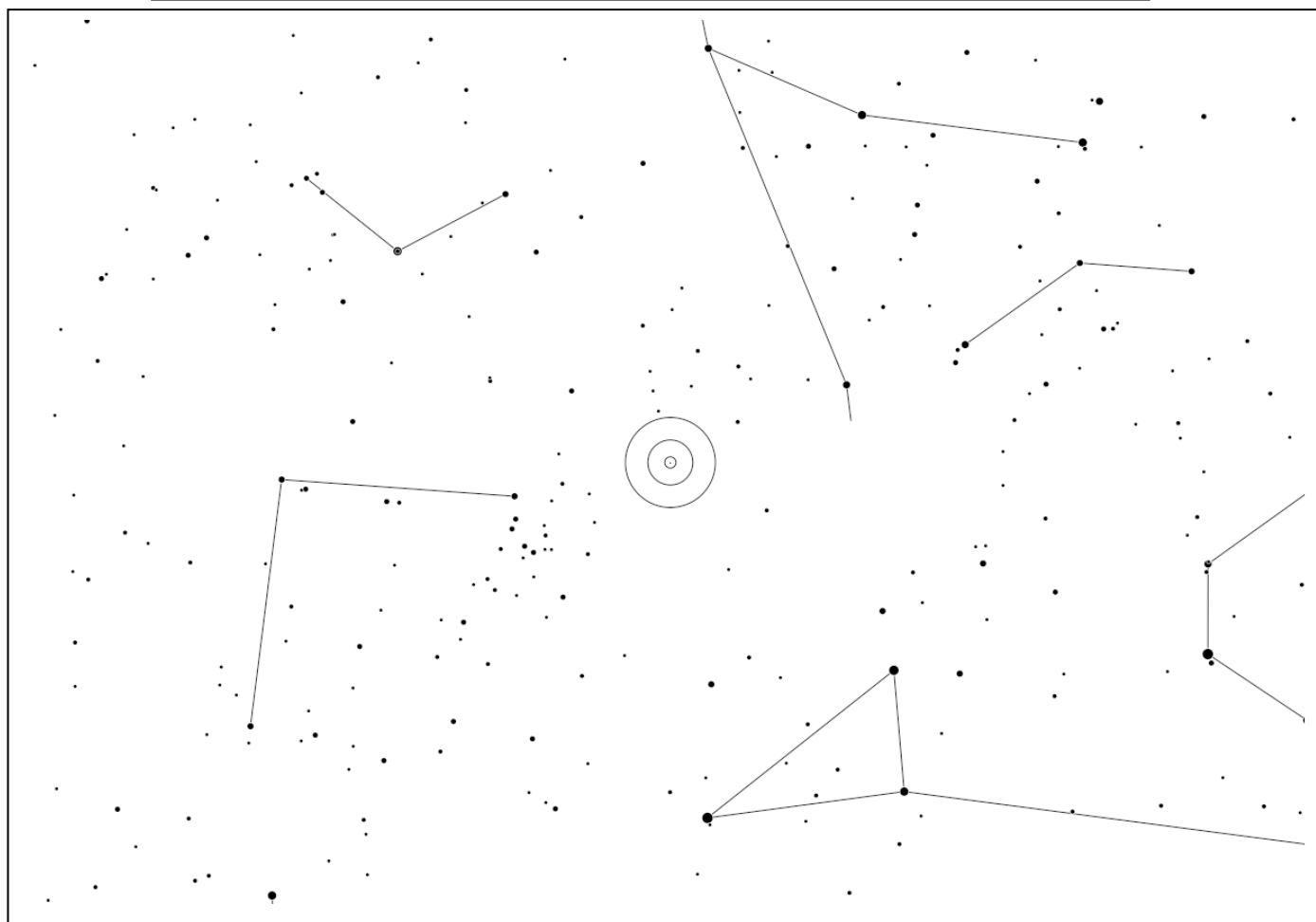
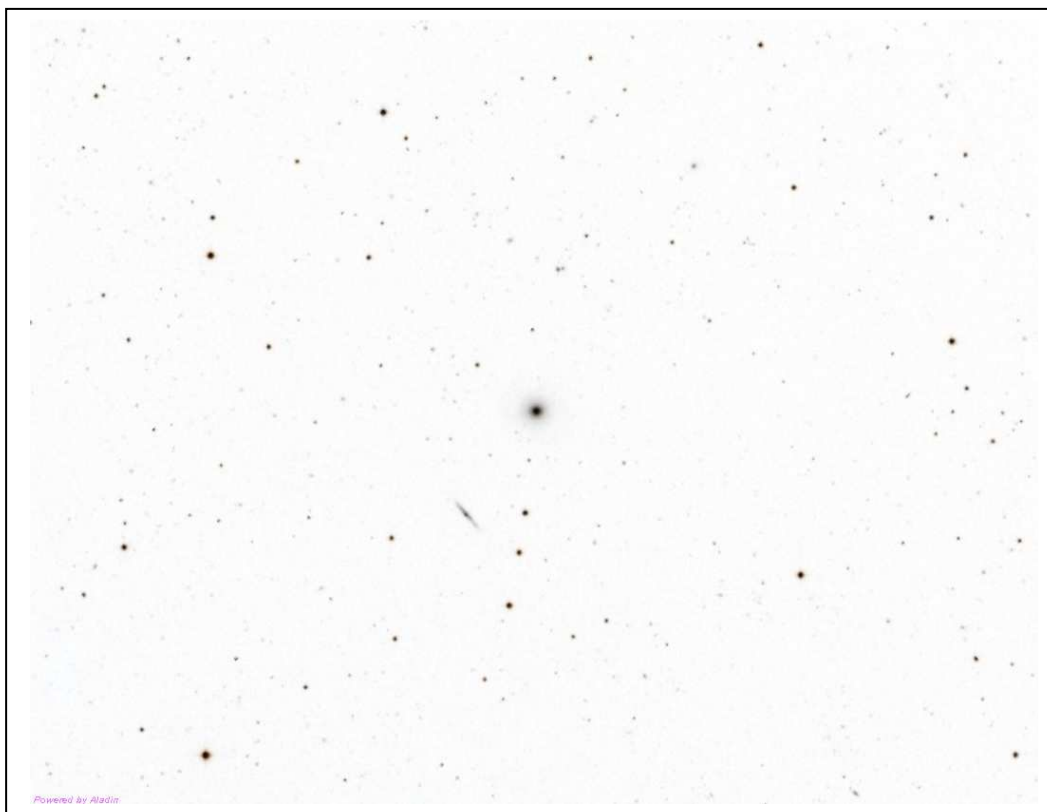
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3953	11h 53m 48.9s	+52° 19' 35"	SBb I	6.9'X3.5'	10,2

NGC 3963



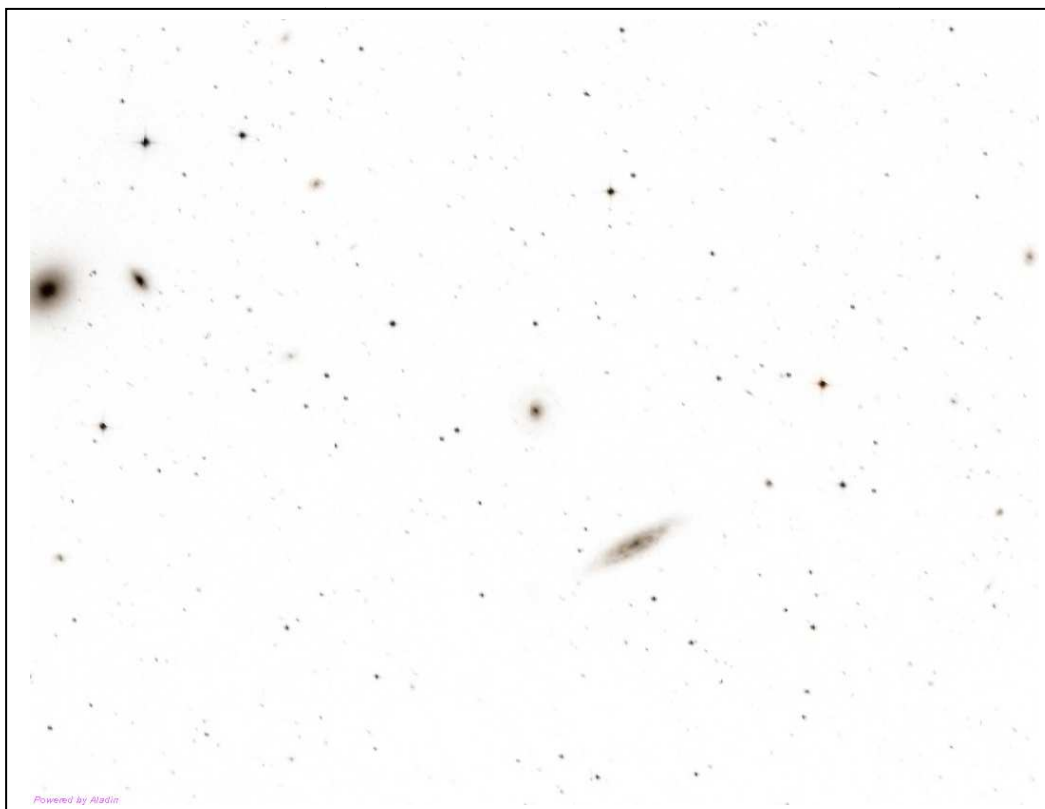
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3963	11h 54m 58.6s	+58° 29' 36"	SBb I-II	2.8'X2.5'	11,6
3958	11h 54m 33.7s	+58° 22' 00"	Sa	1.5'X0.7'	12,7

NGC 3971

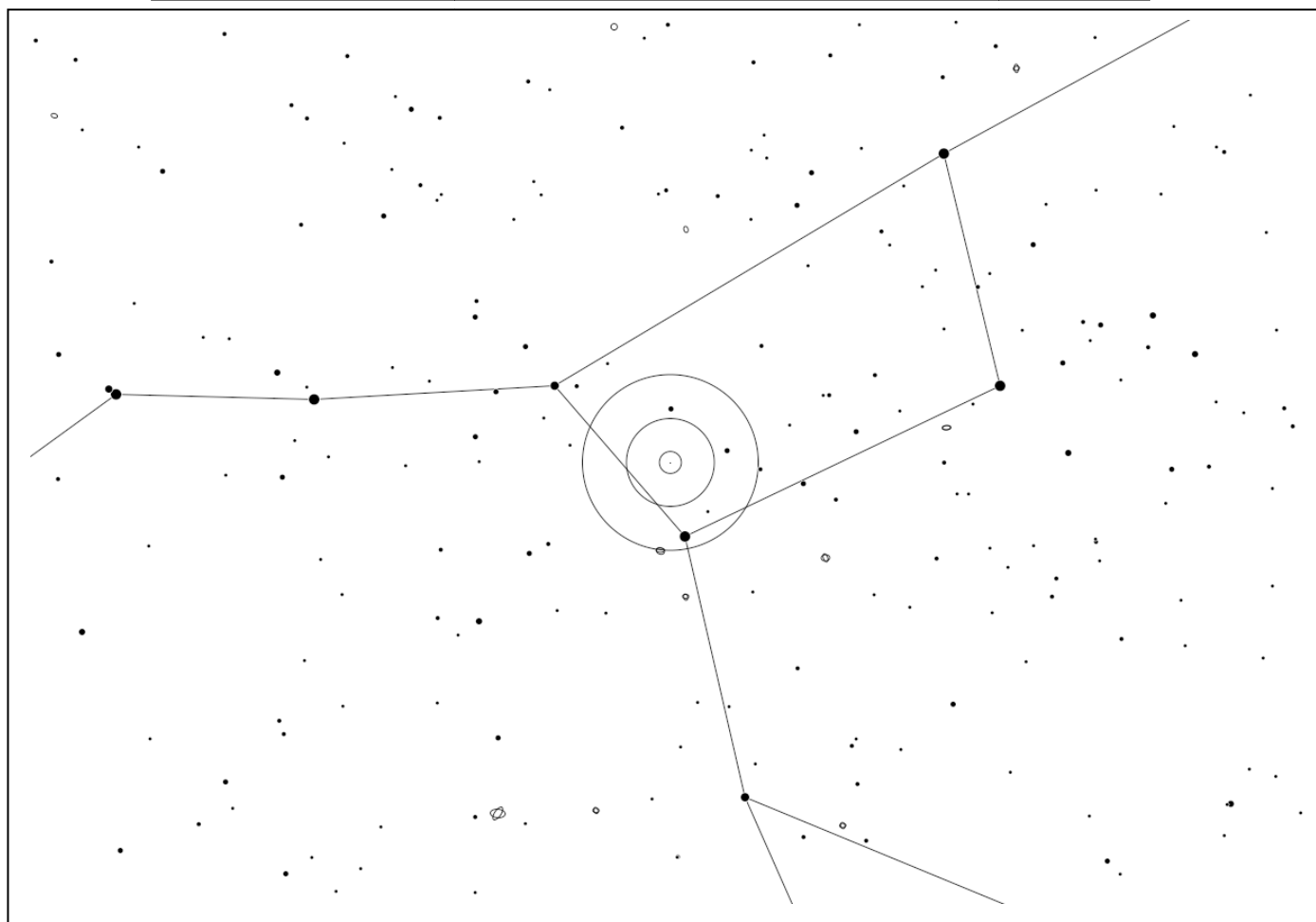


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3971	11h 55m 36.4s	+29° 59' 44"	S0	1.4'X1.2'	12,8

NGC 3972-NGC 3977

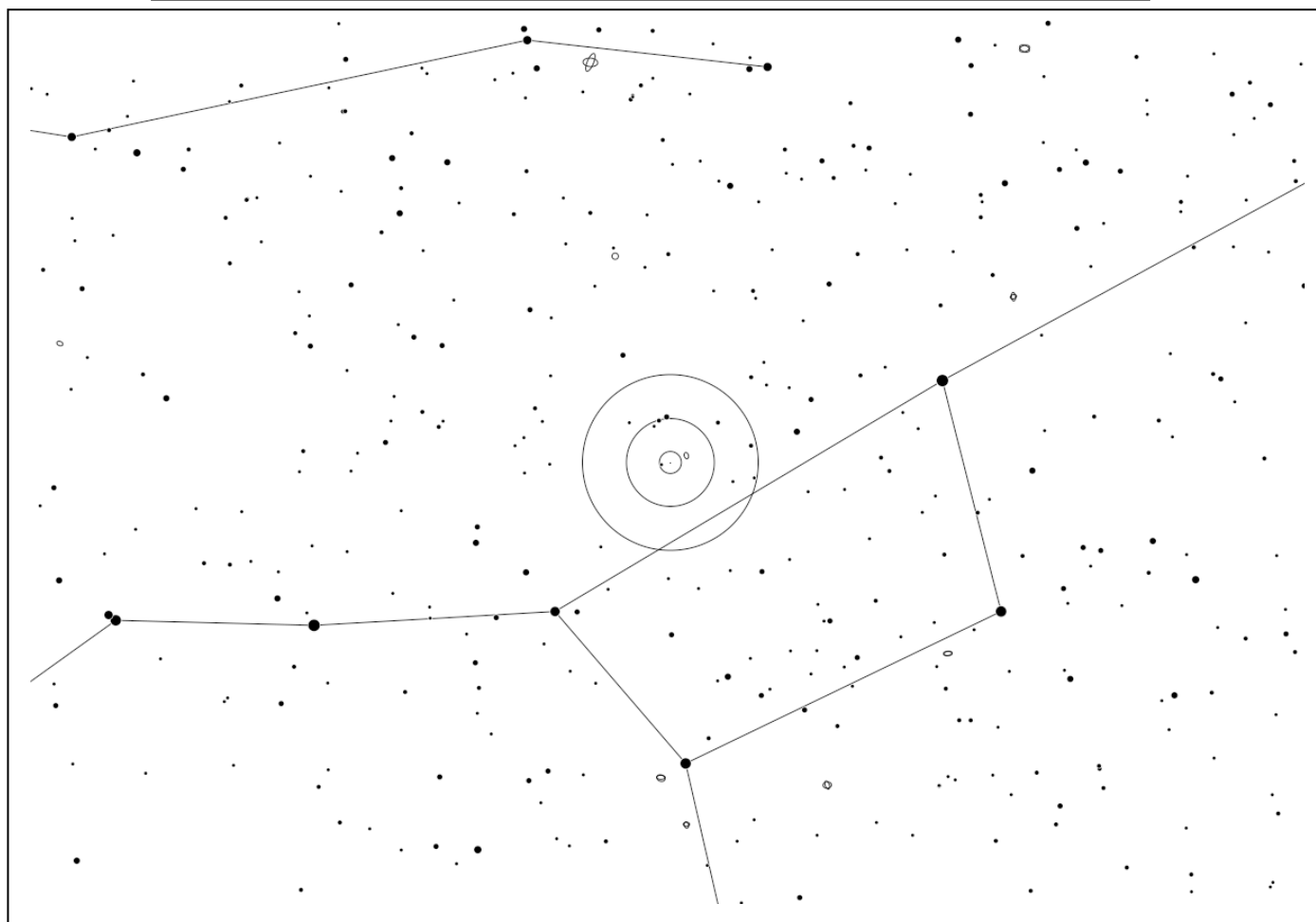
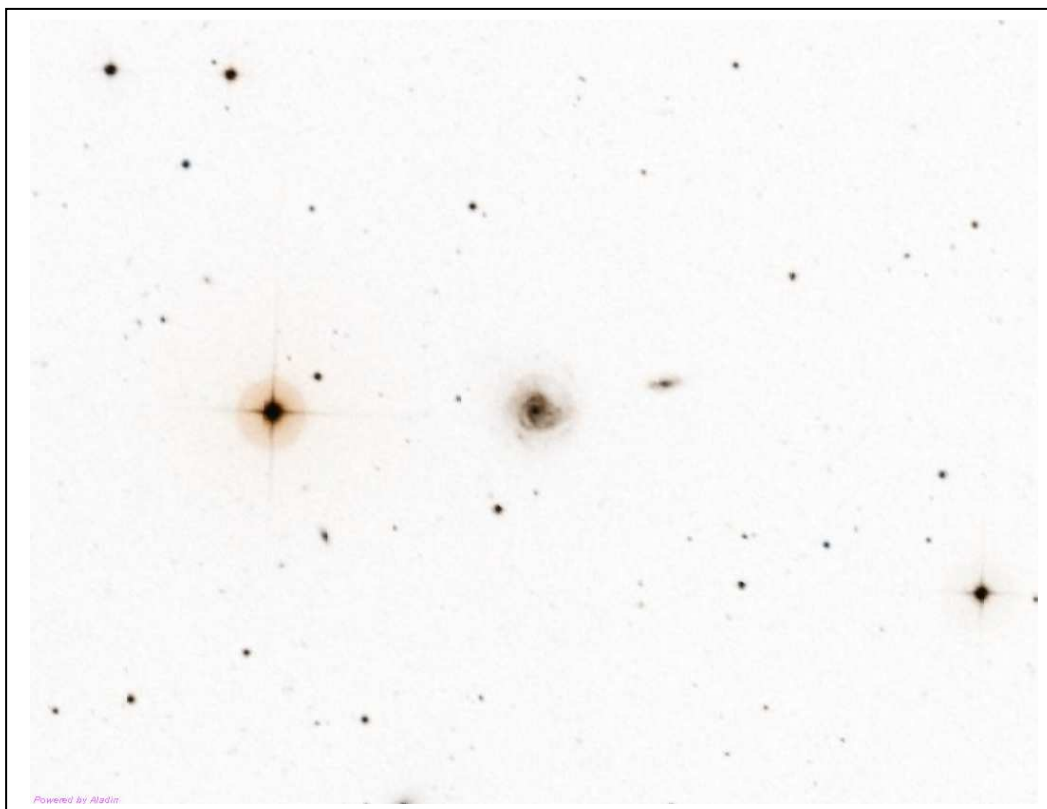


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NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3972	11h 55m 45.2s	+55° 19' 12"	Sc	3.9'X1.1'	12,2
3977	11h 56m 07.2s	+55° 23' 25"	Sa	1.7'X1.6'	13,6

NGC 3978

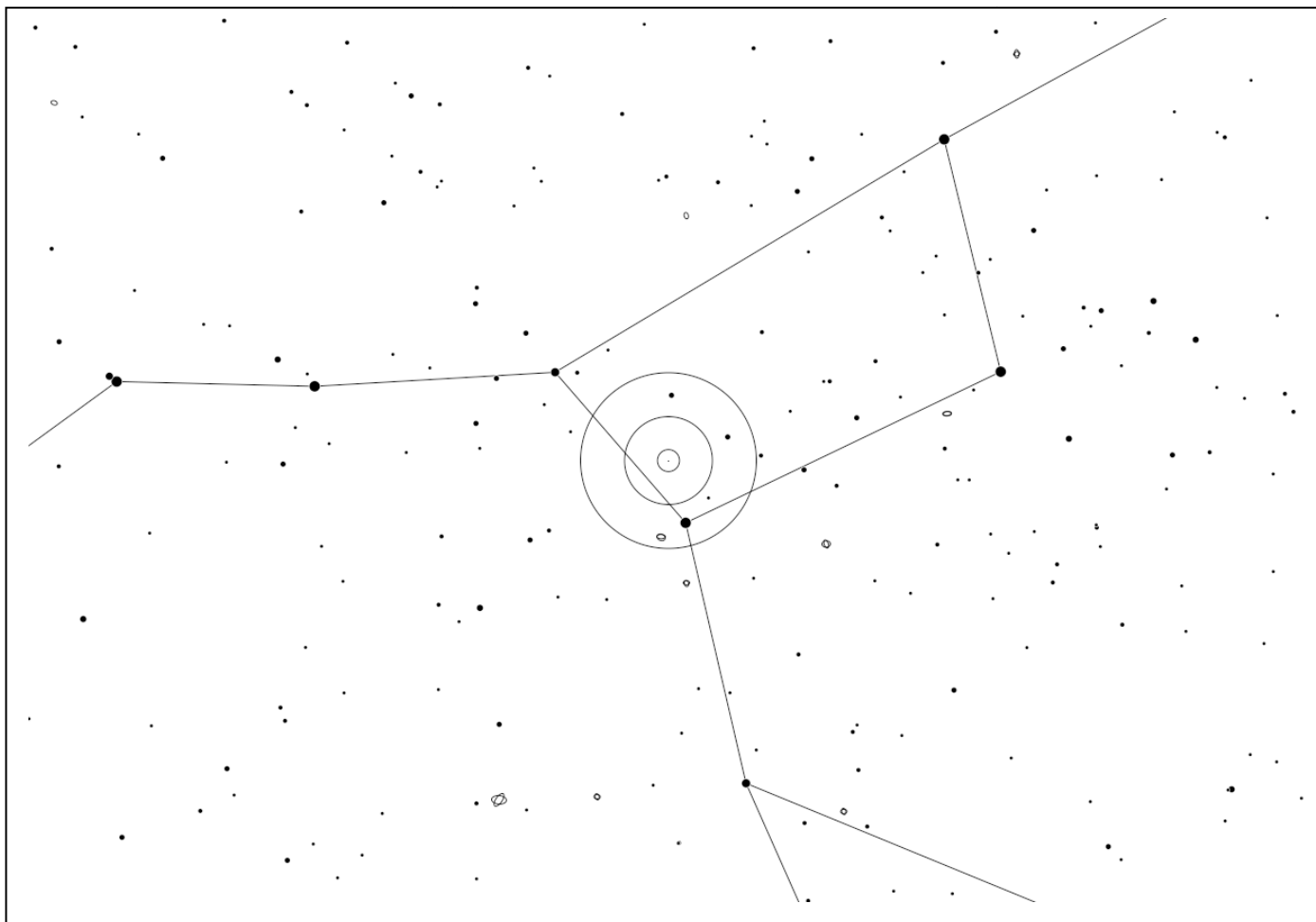


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3978	11h 56m 10.3s	+60° 31' 20"	Sb	1.6'X1.5'	12,6

NGC 3982

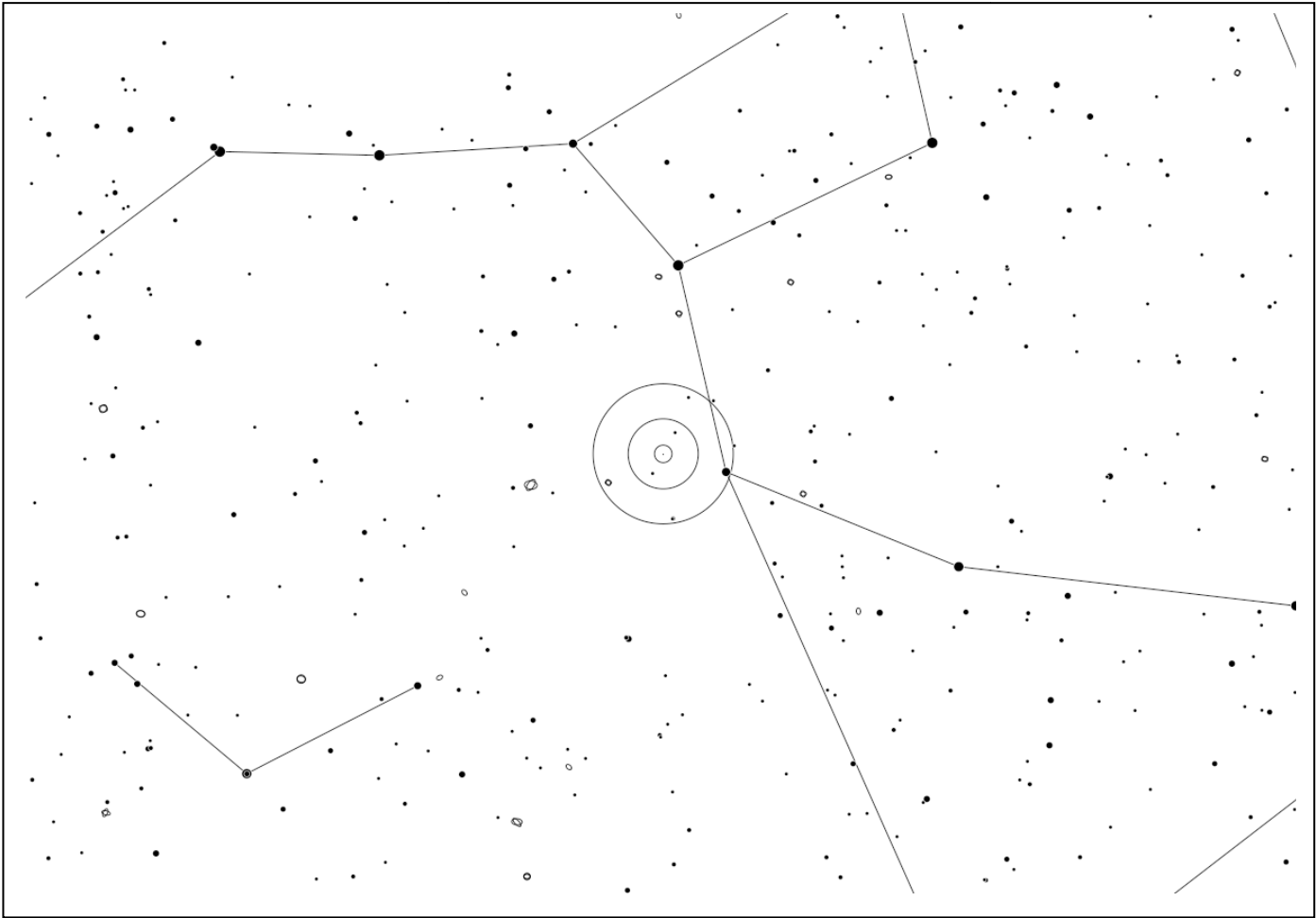
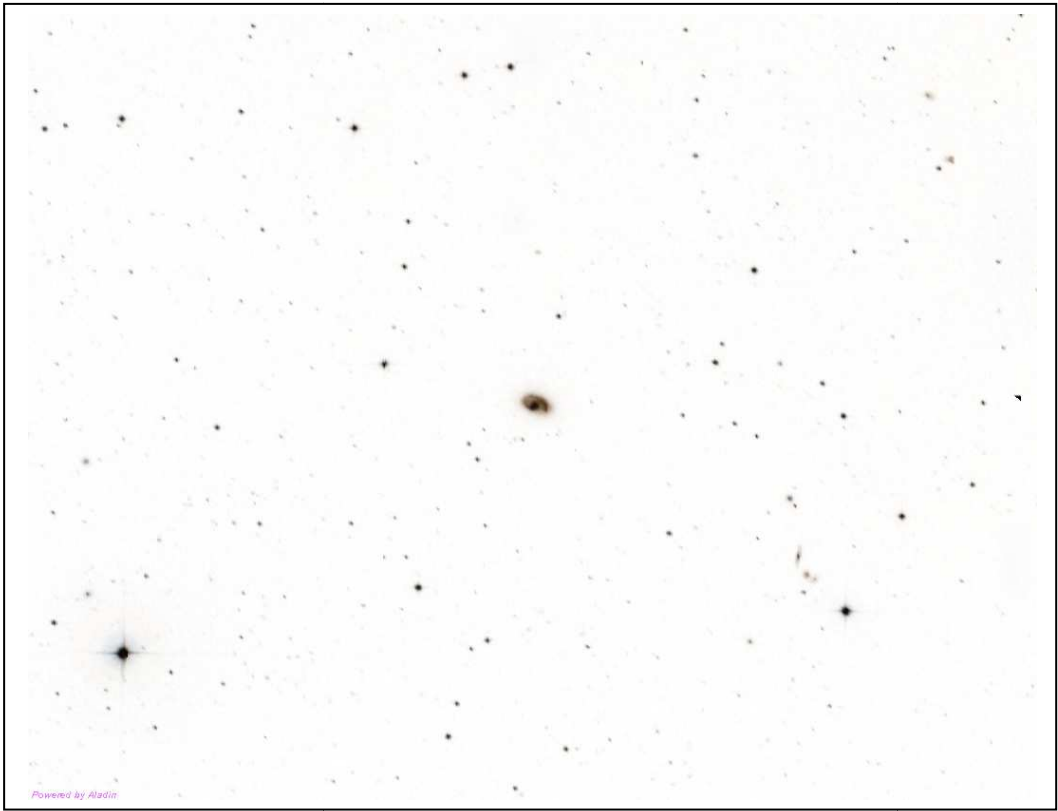


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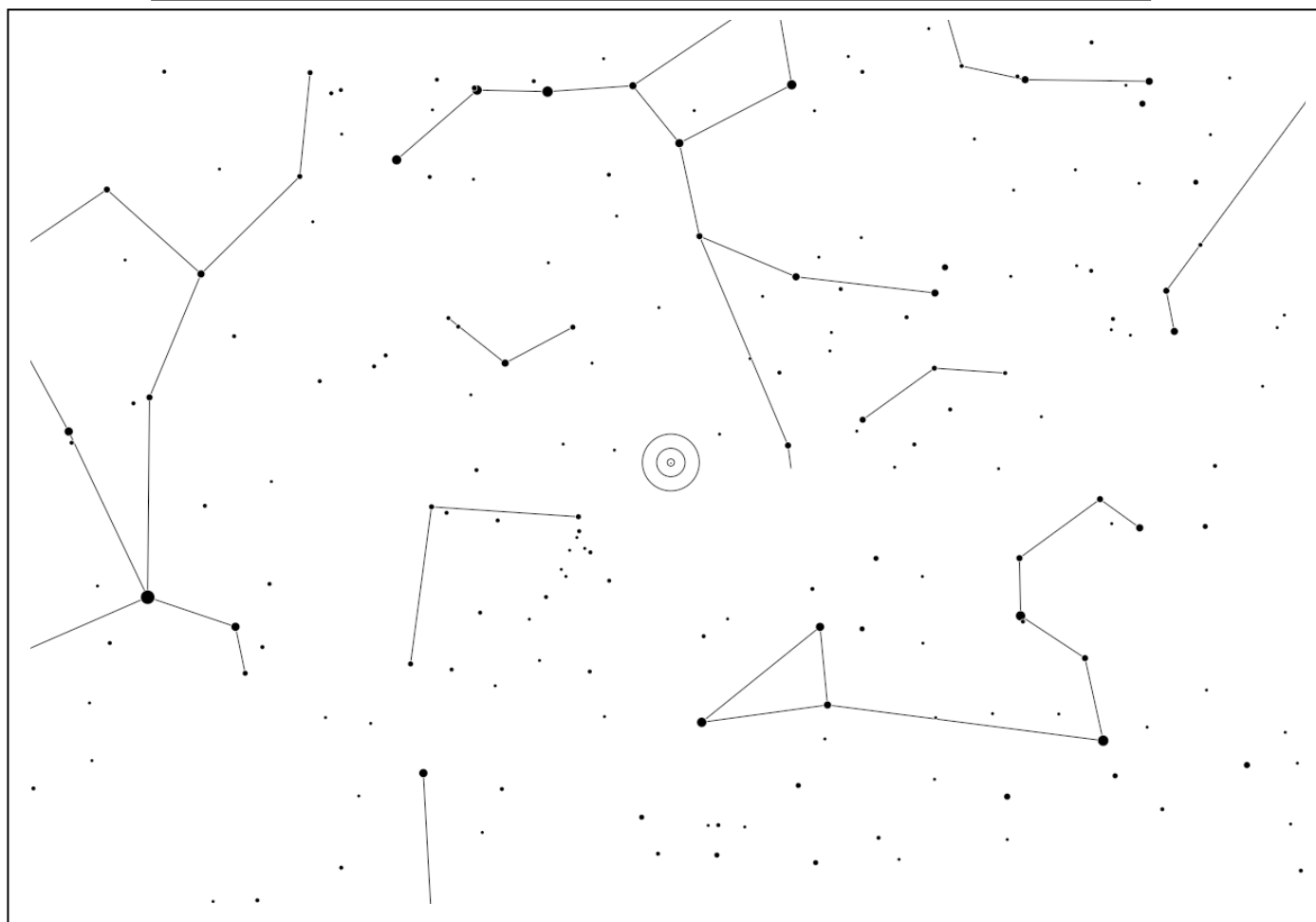
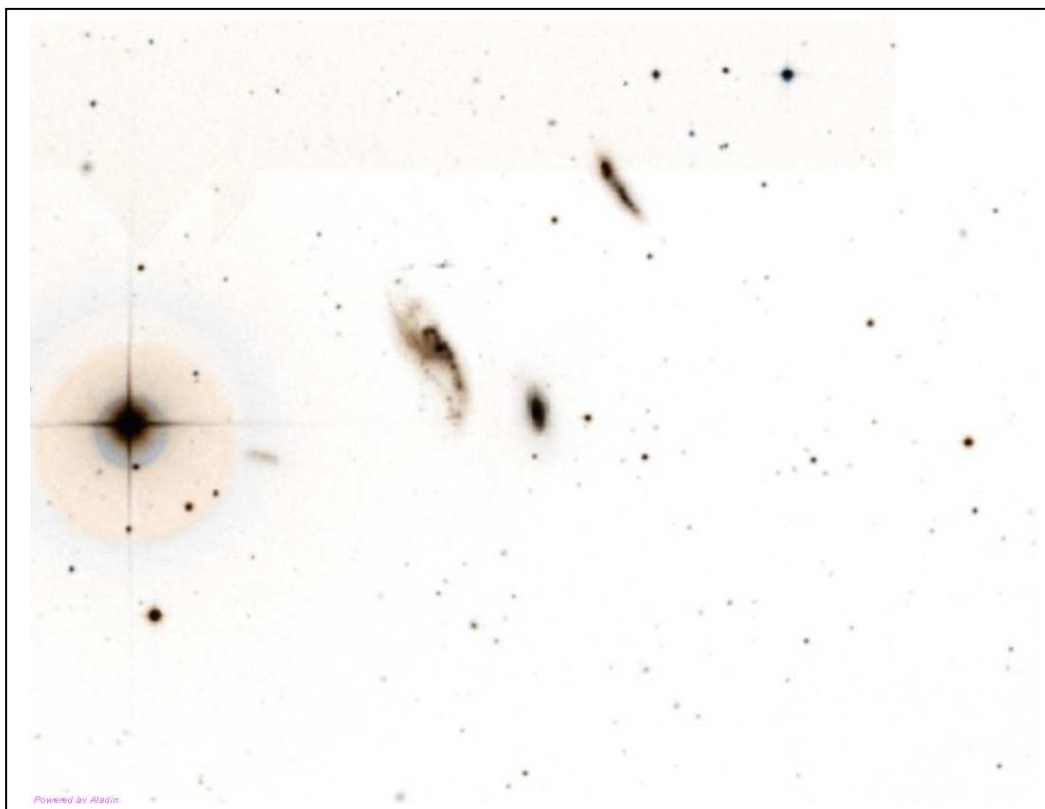
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3982	11h 56m 28.0s	+55° 07' 29"	SBb	2.3'X2.0'	11,2

NGC 3985



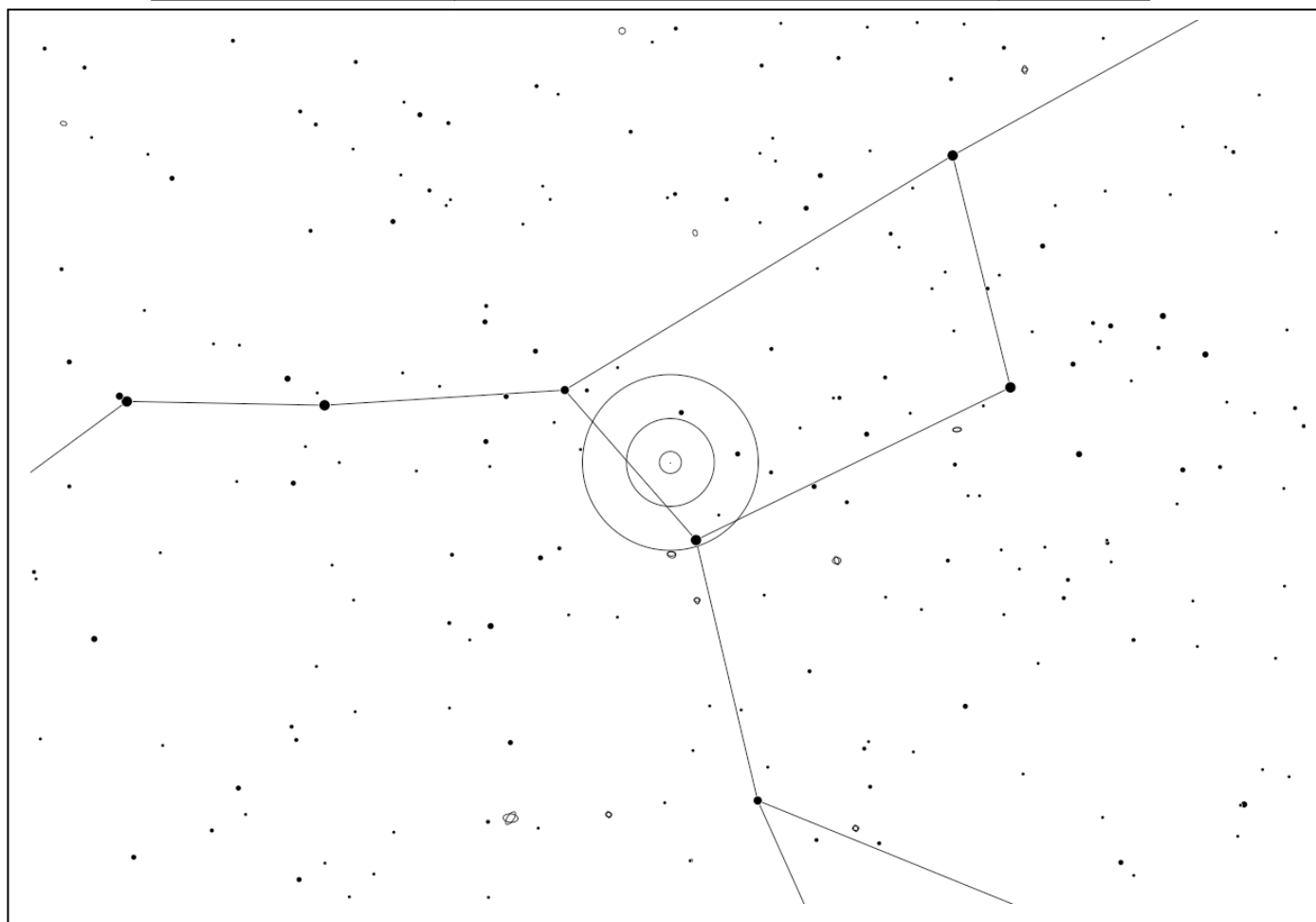
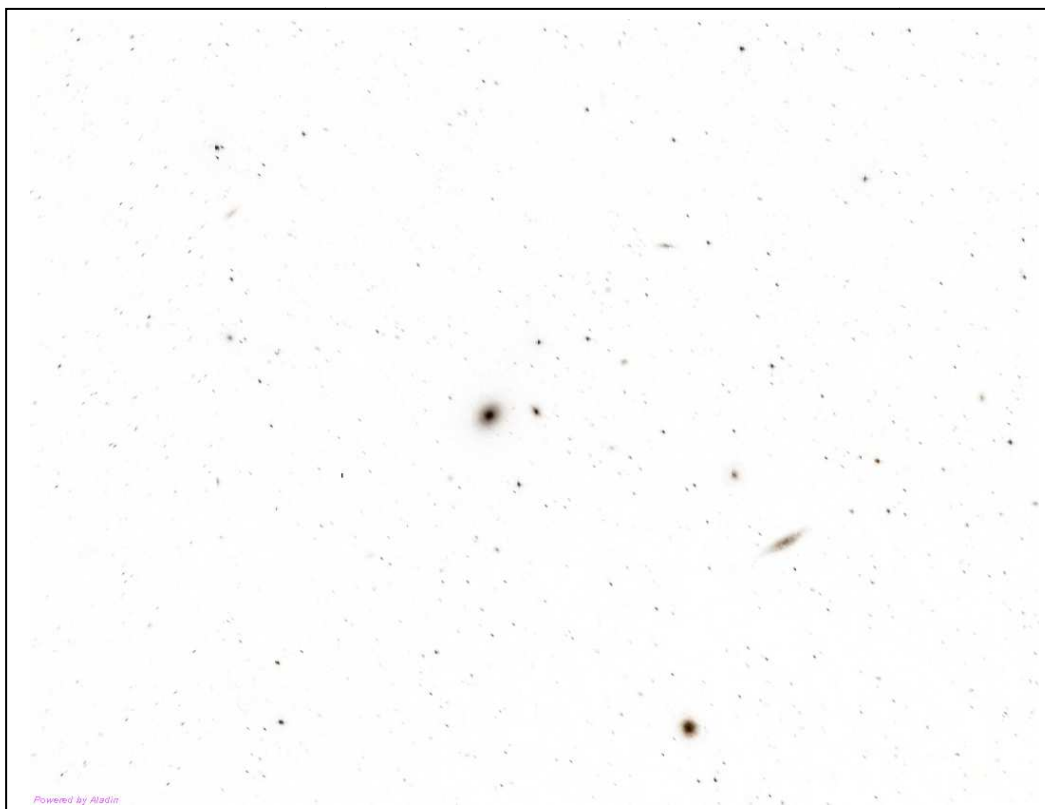
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3985	11h 56m 42.1s	+48° 20' 02"	S...	1.3'X0.8'	12,8

NGC3994(ARP313) - NGC3995 - NGC3991



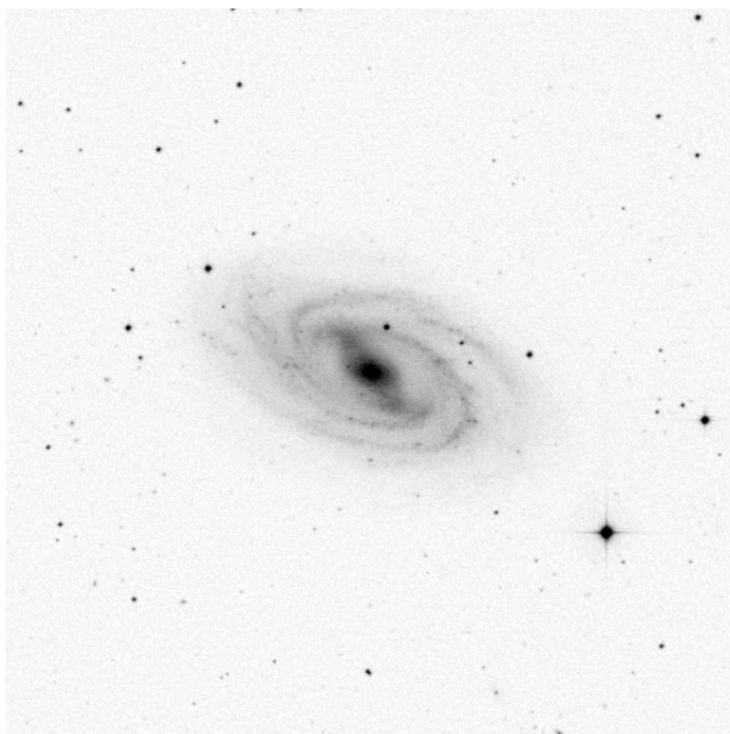
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3991	11h 57m 30.8s	+32° 20' 13"	Irr	1.4'X0.4'	13,6
(ARP313)3994	11h 57m 36.9s	+32° 16' 38"	S?...	1.0'X0.6'	13,4
3995	11h 57m 44.1s	+32° 17' 39"	S...	2.8'X1.0'	12,4

NGC 3990-NGC3998

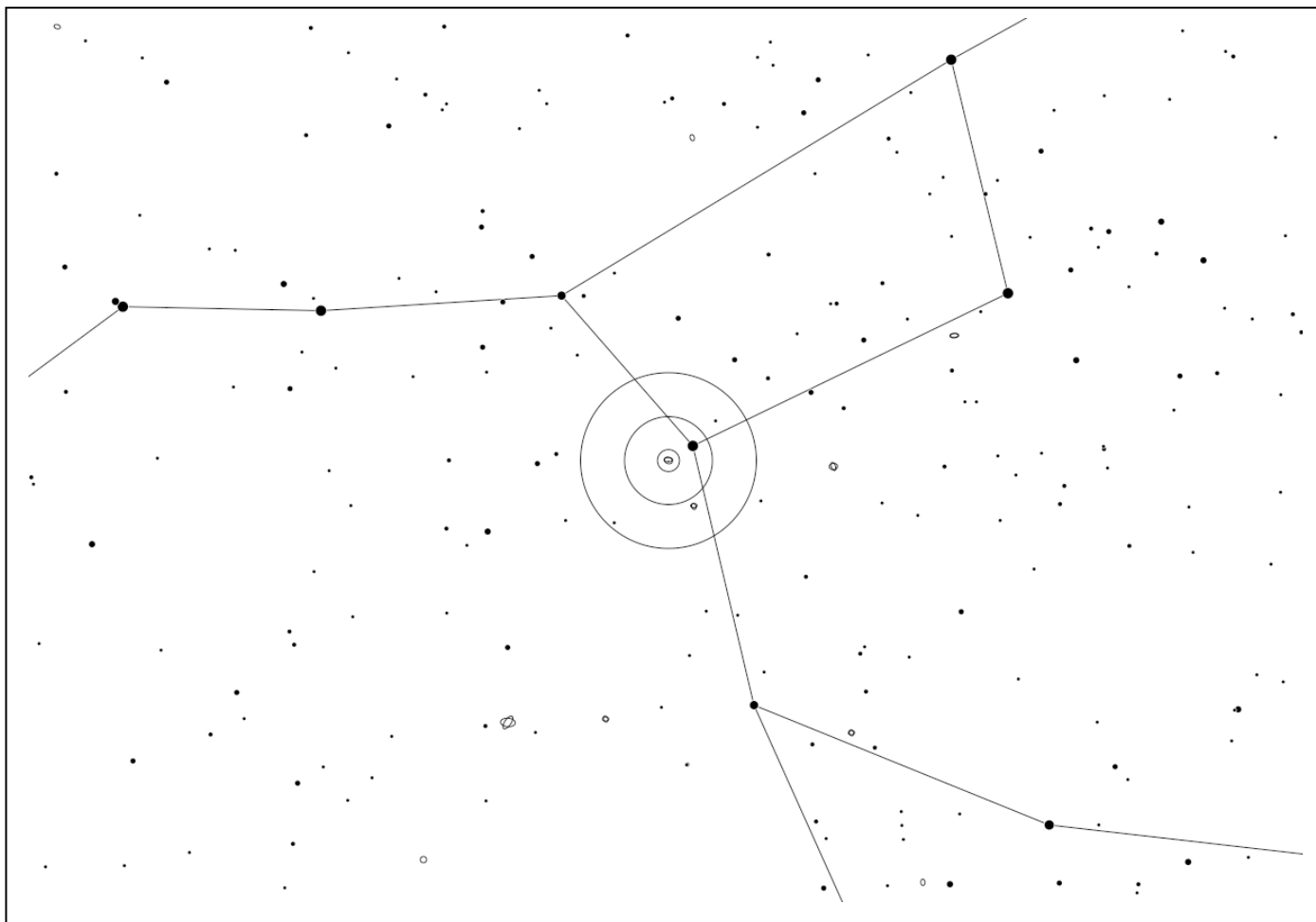


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3990	11h 57m 35.7s	+55° 27' 30"	S0?	1.4'X0.8'	12,7
3998	11h 57m 56.1s	+55° 27' 12"	S0	2.7'X2.2'	10,5

M109 (NGC3992)

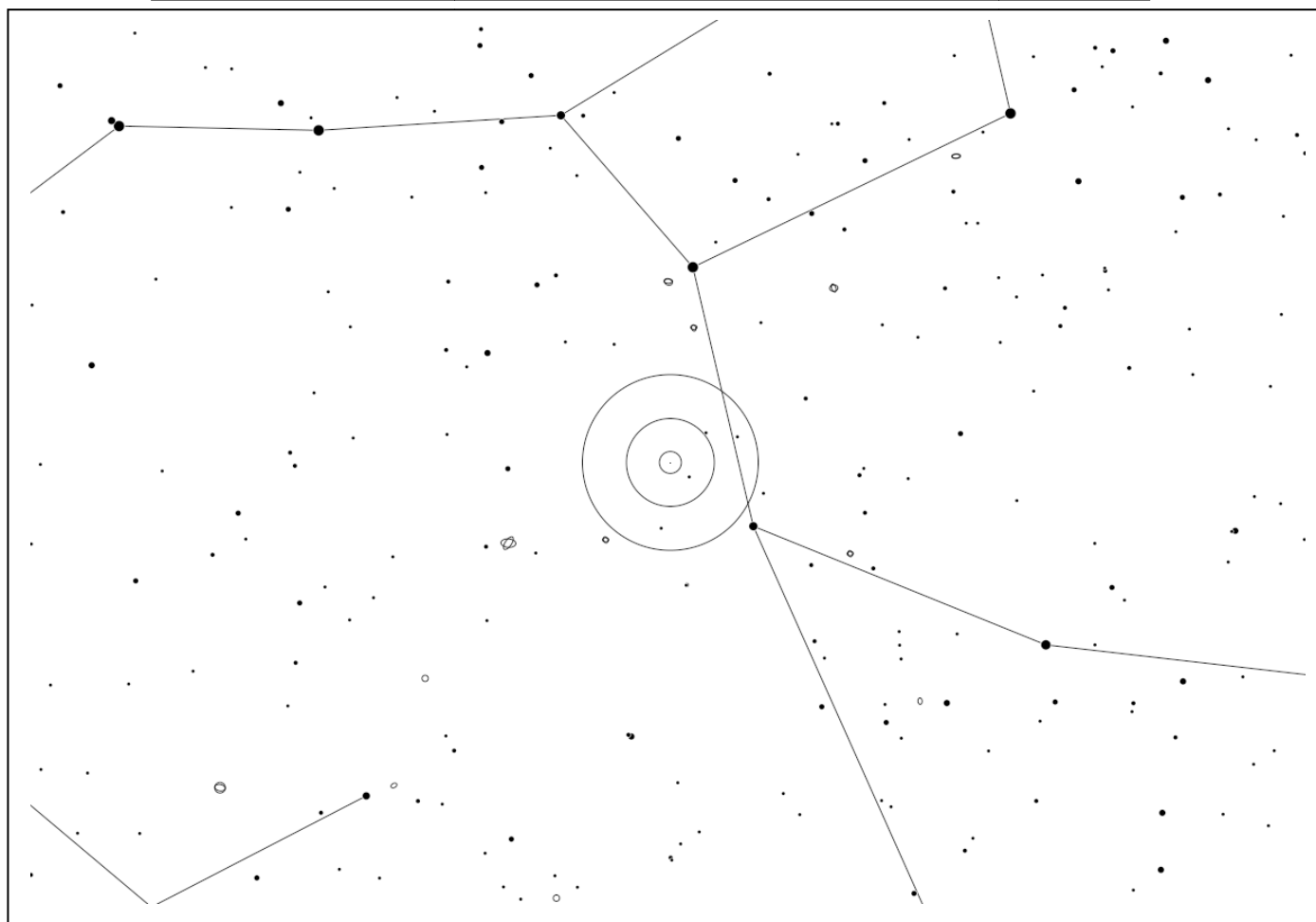


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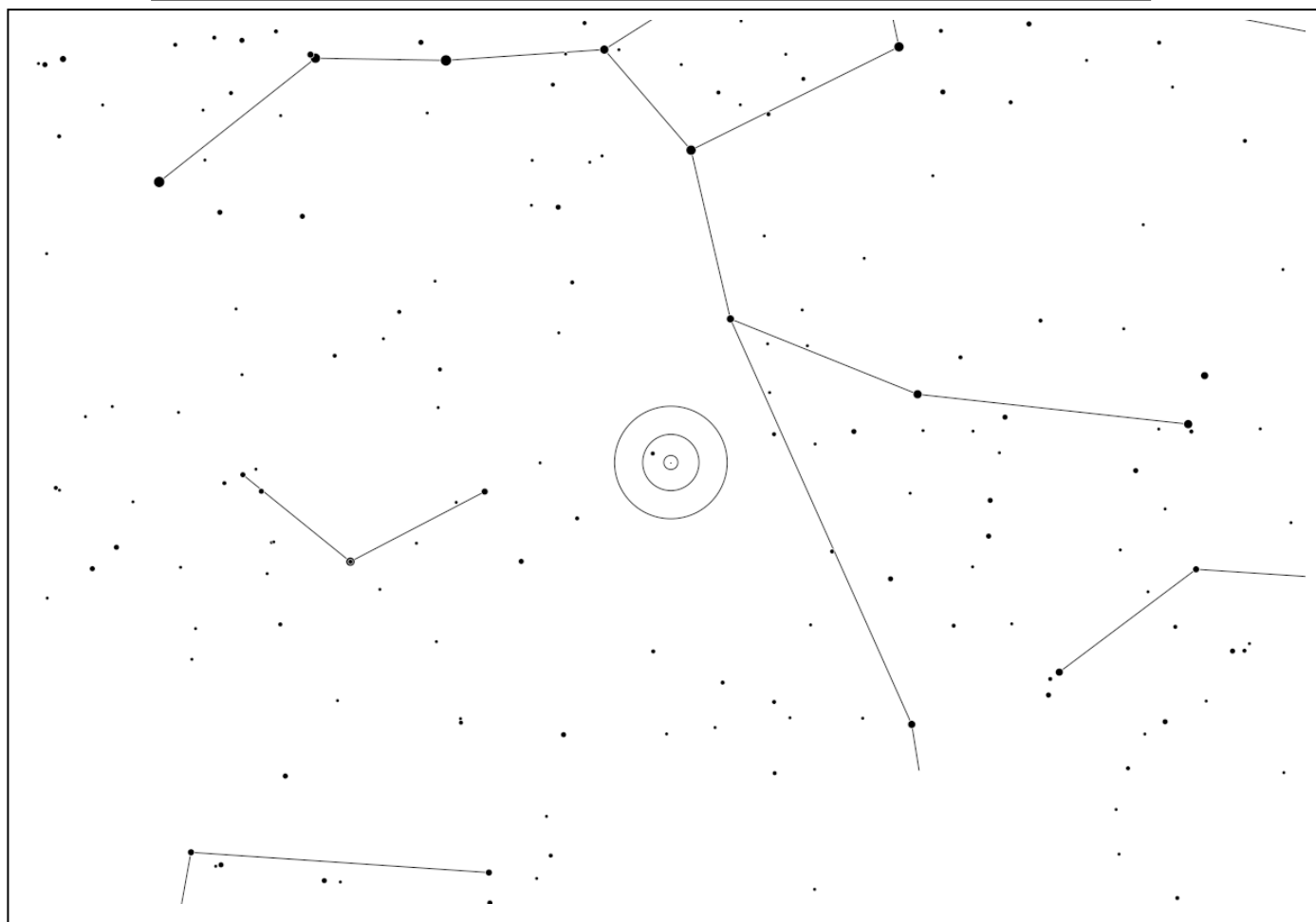
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3992	11h 57m 36.0s	+53° 22' 28"	SBb I	7.6'X4.7'	9,9

UGC 6930



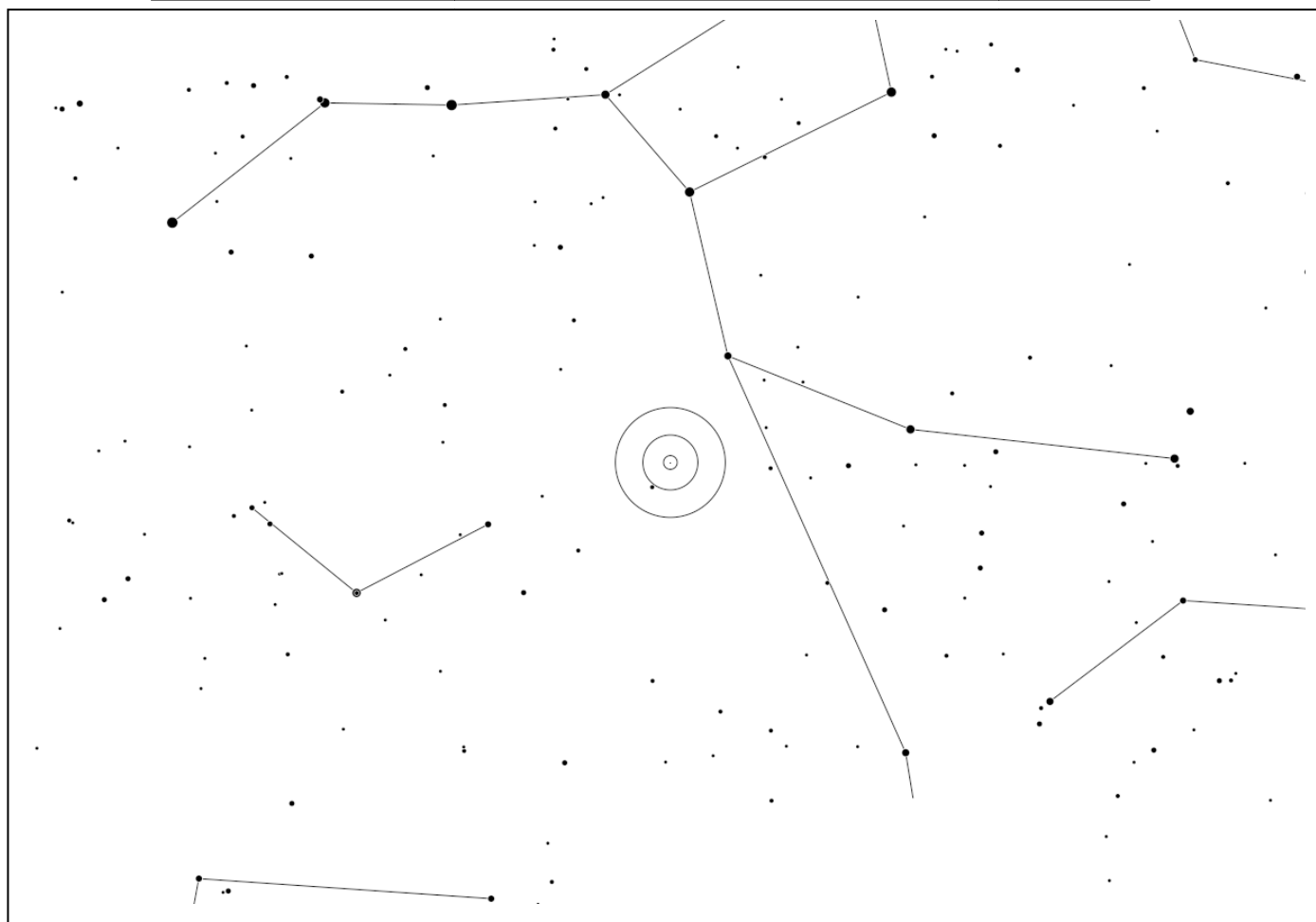
UGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
UGC6930	11h 57m 17s	49° 16' 00"	S(B)d	4.4' x 2.8'	12,1

IC749-IC750



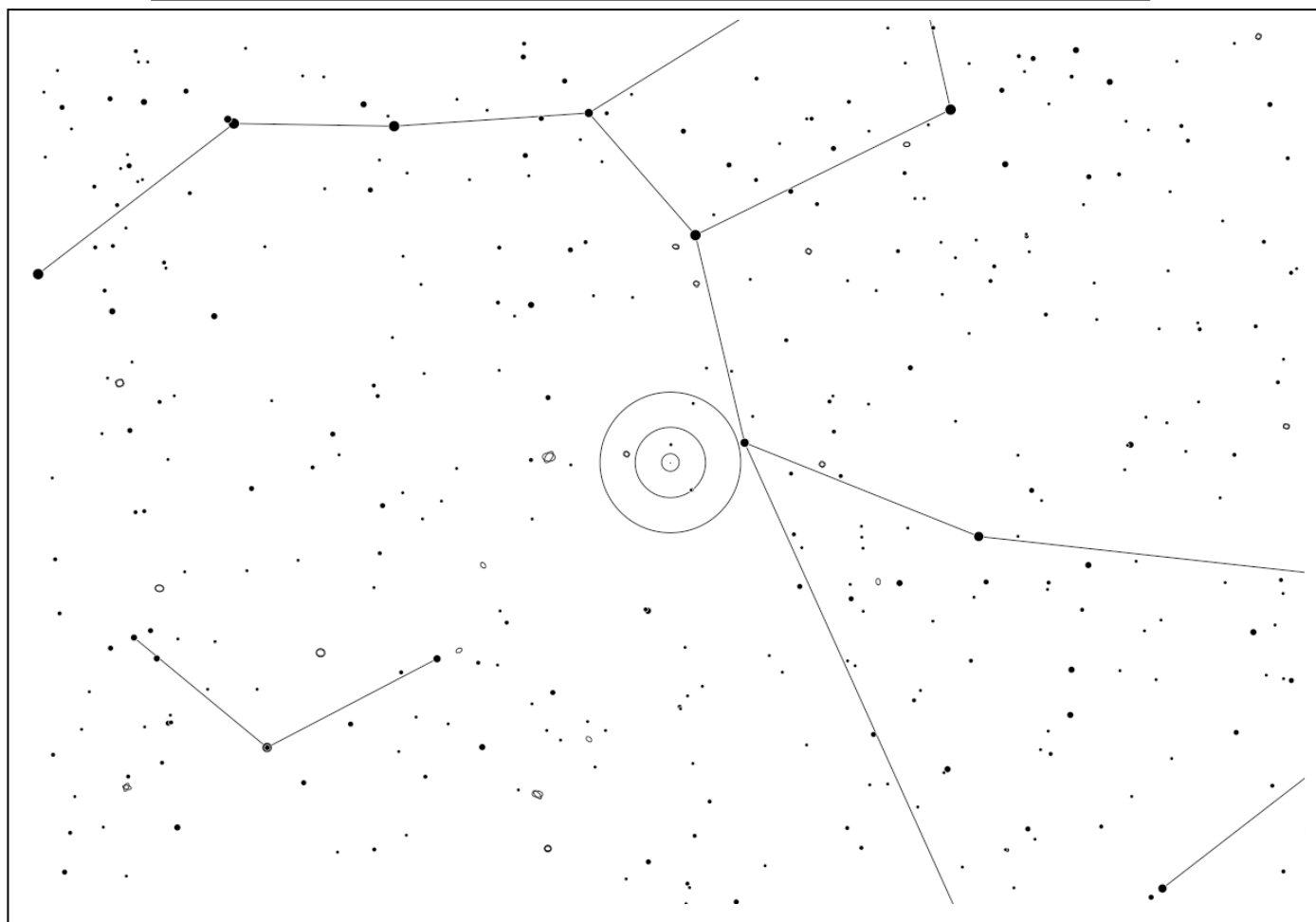
IC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
IC 749	11h 58m 36s	42° 43' 59"	SBc Ring	2.3' x 2'	12,4
IC 750	11h 58m 54s	42° 43' 00"	Sab	2.6' x 1,2'	11,8

NGC 4013



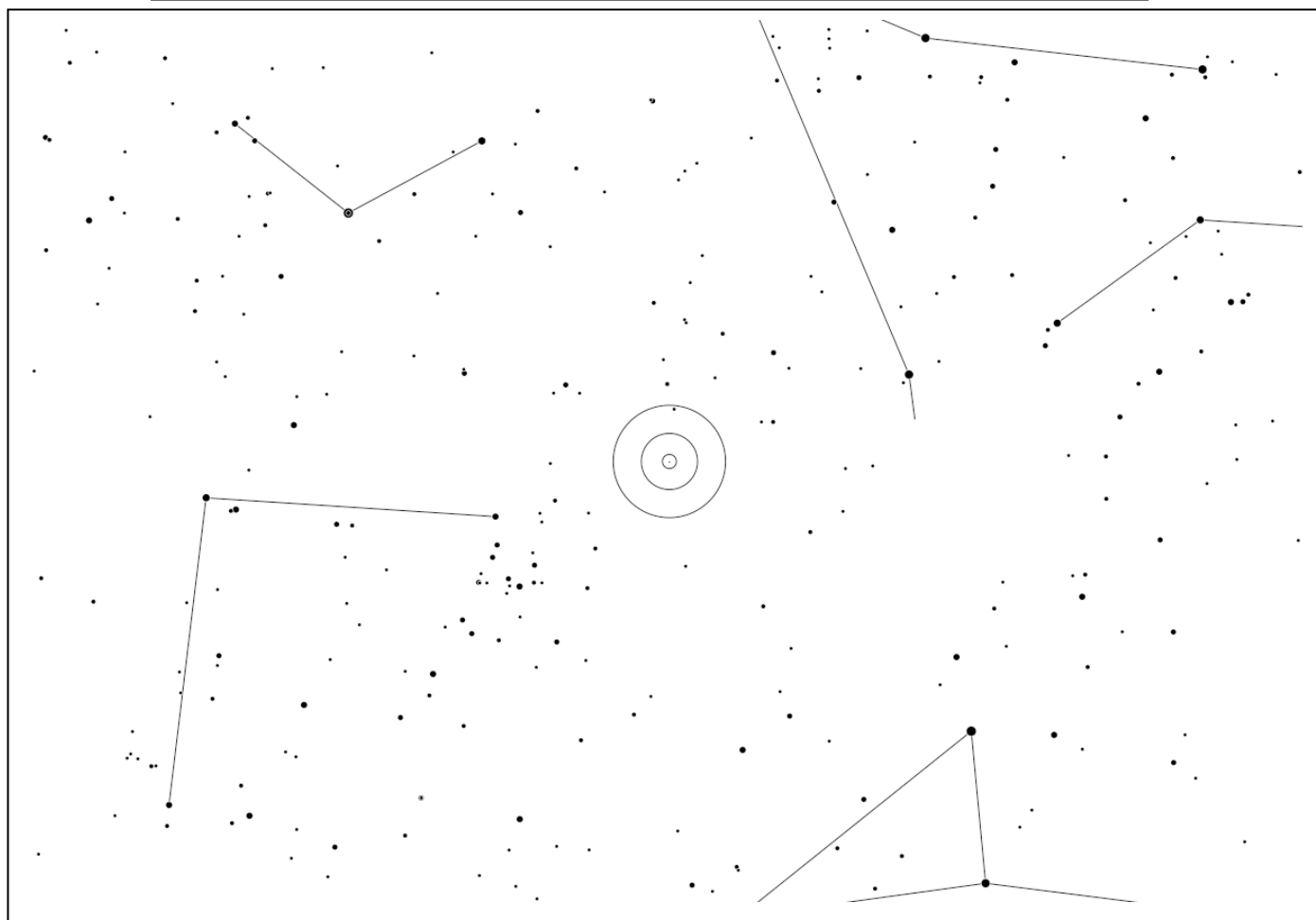
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4013	11h 58m 31.1s	+43° 56' 51"	Sb	5.2'X1.0'	11,7

NGC 4010



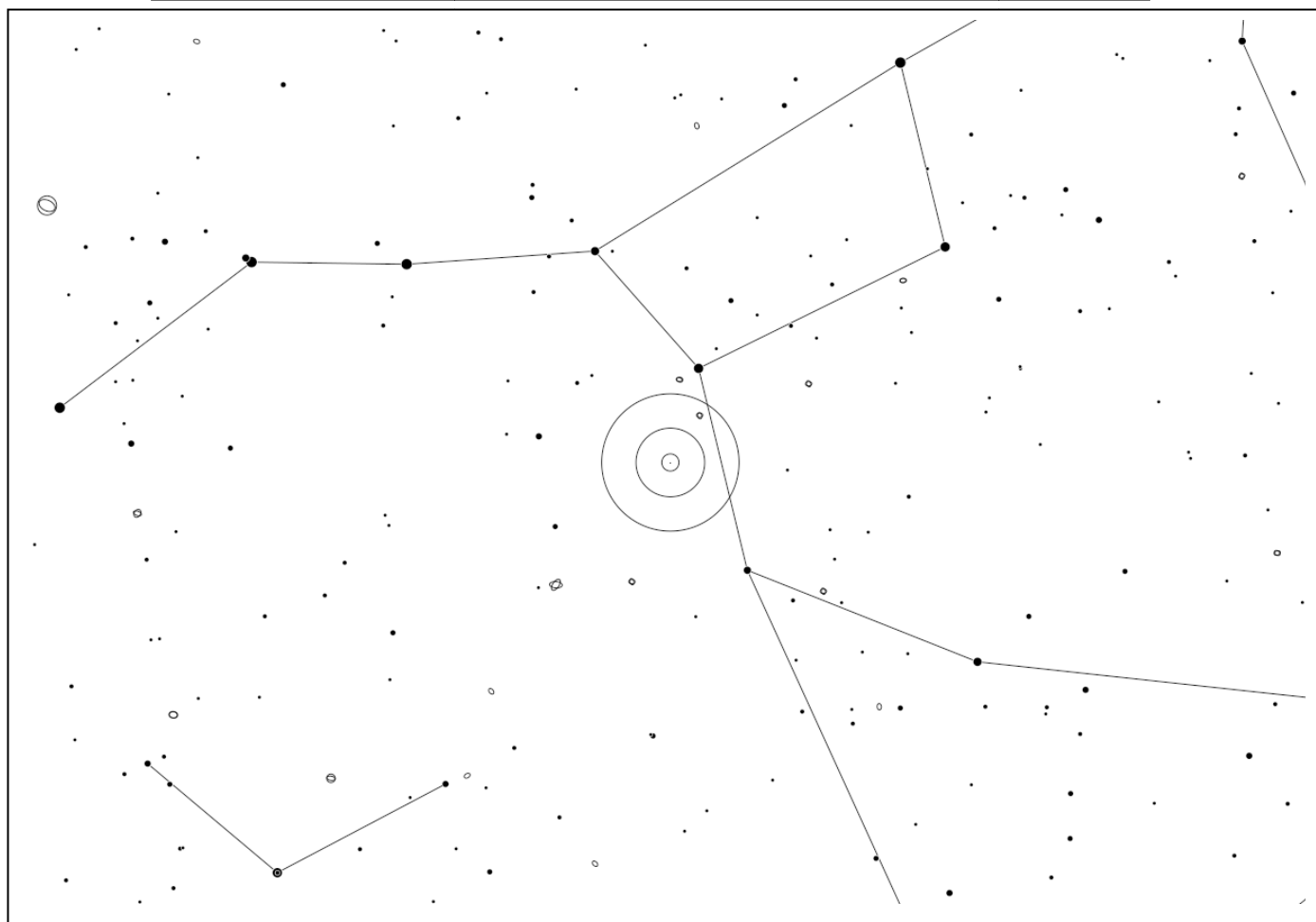
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4010	11h 58m 37.5s	+47° 15' 39"	Sc-Irr	4.3'X0.8'	12,5

NGC 4020



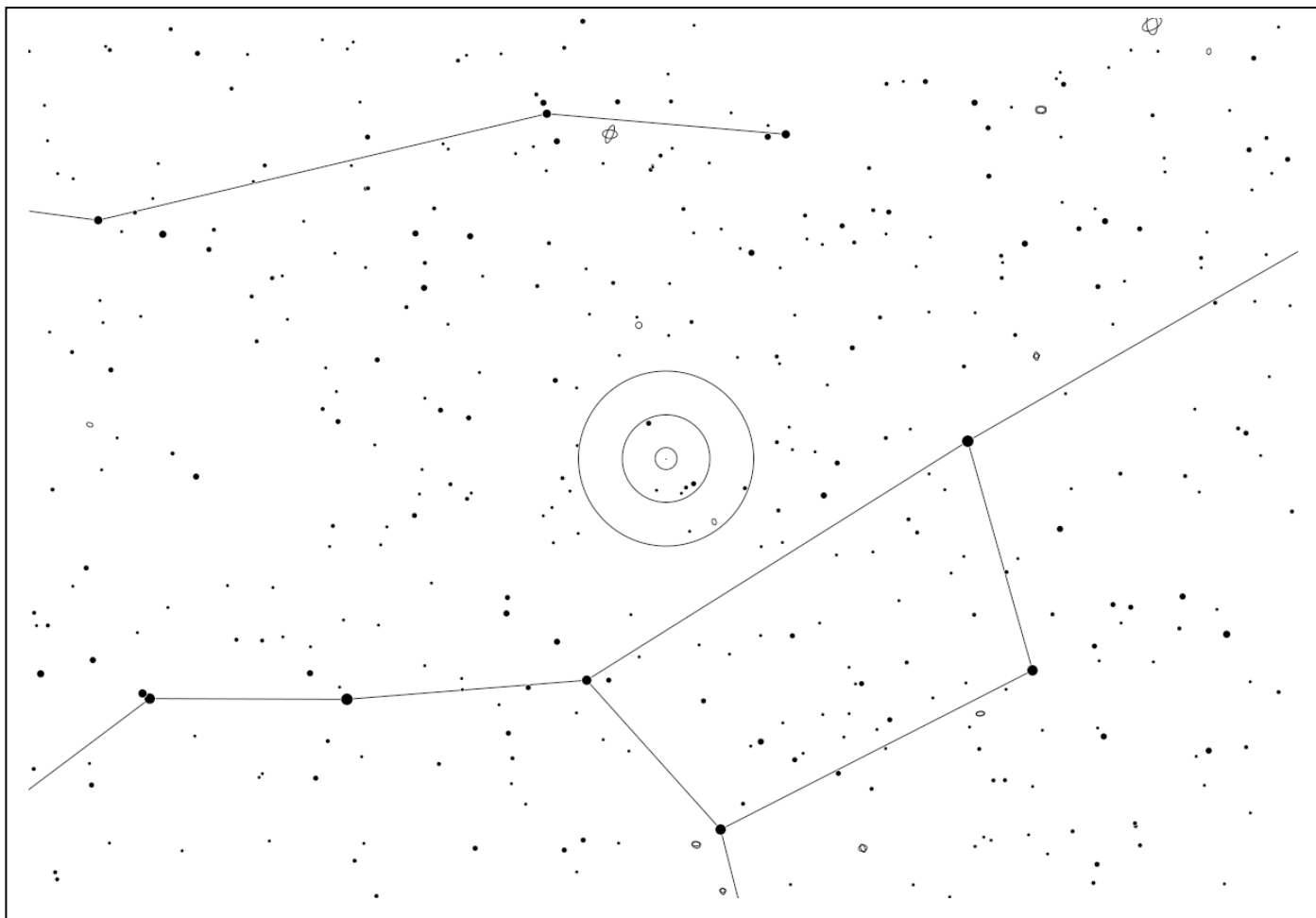
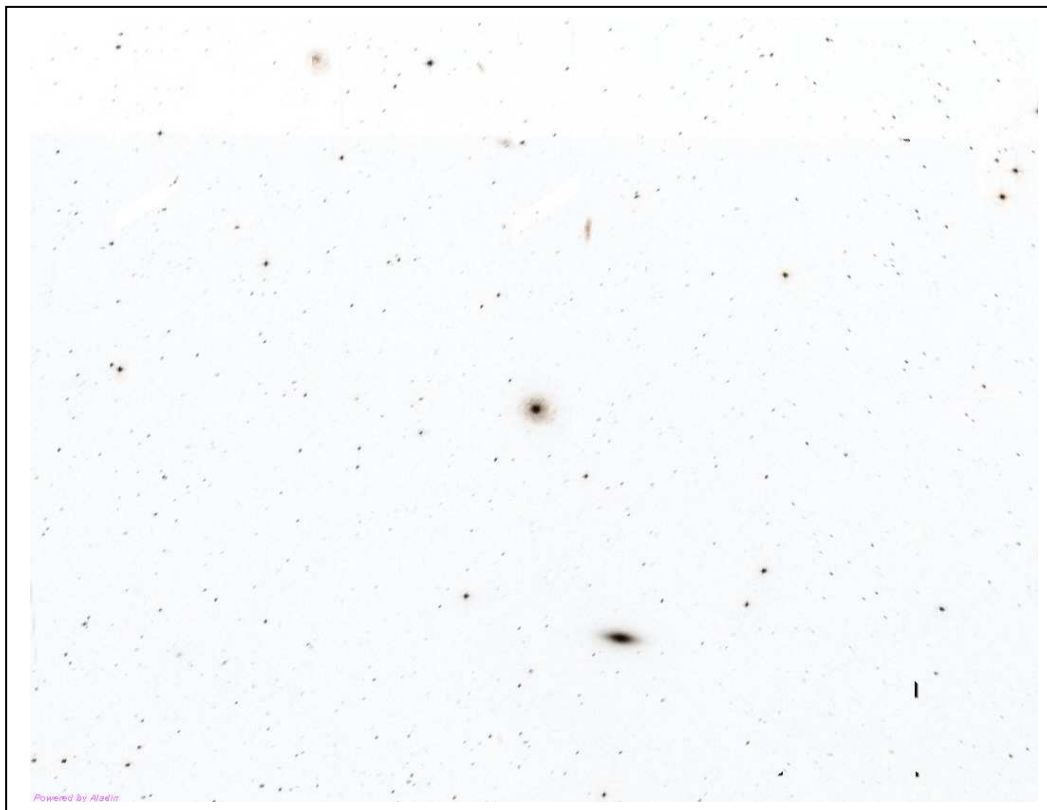
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4020	11h 58m 56.5s	+30° 24' 42"	SBcd	2.1'X0.9'	12,8

NGC 4026



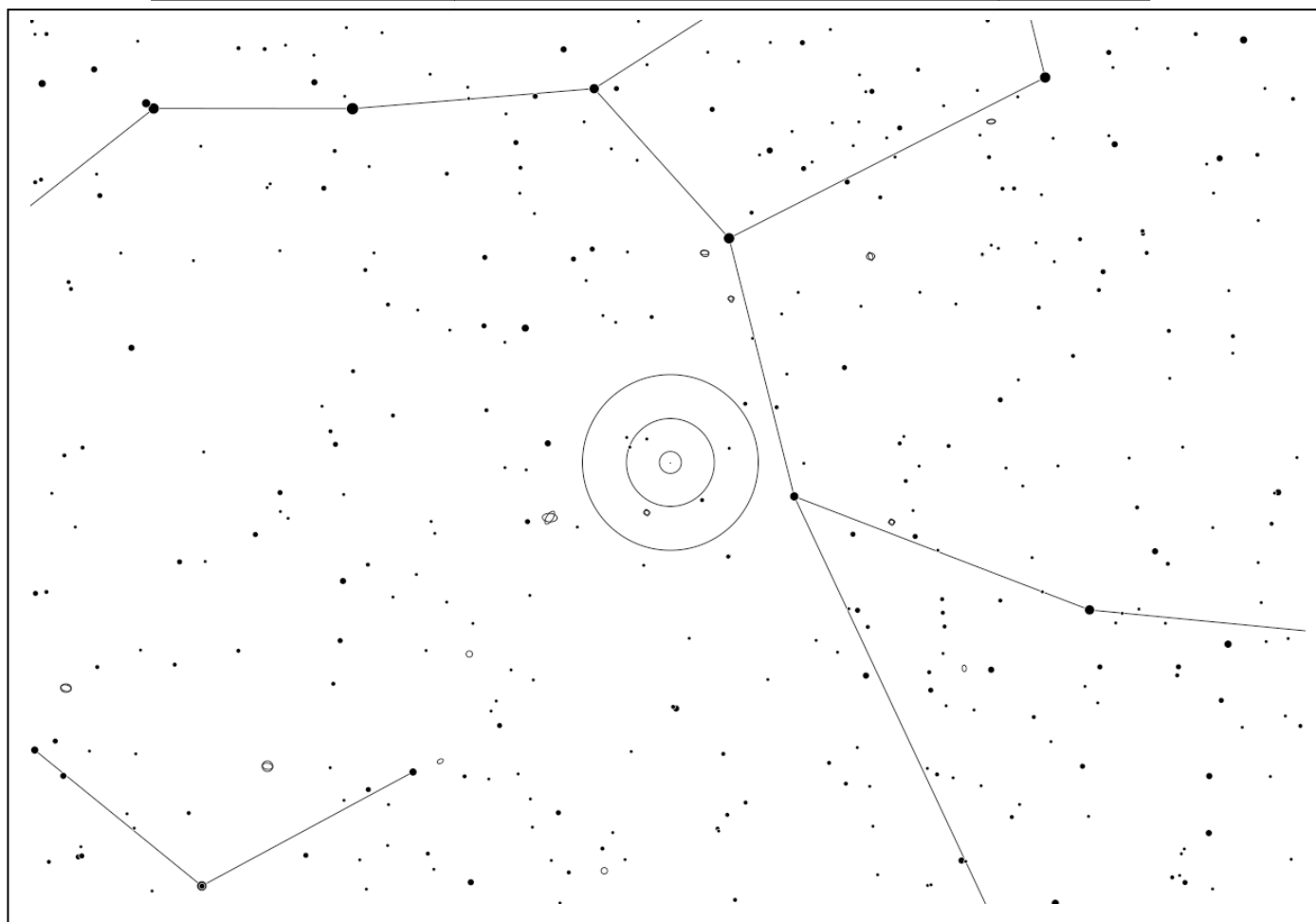
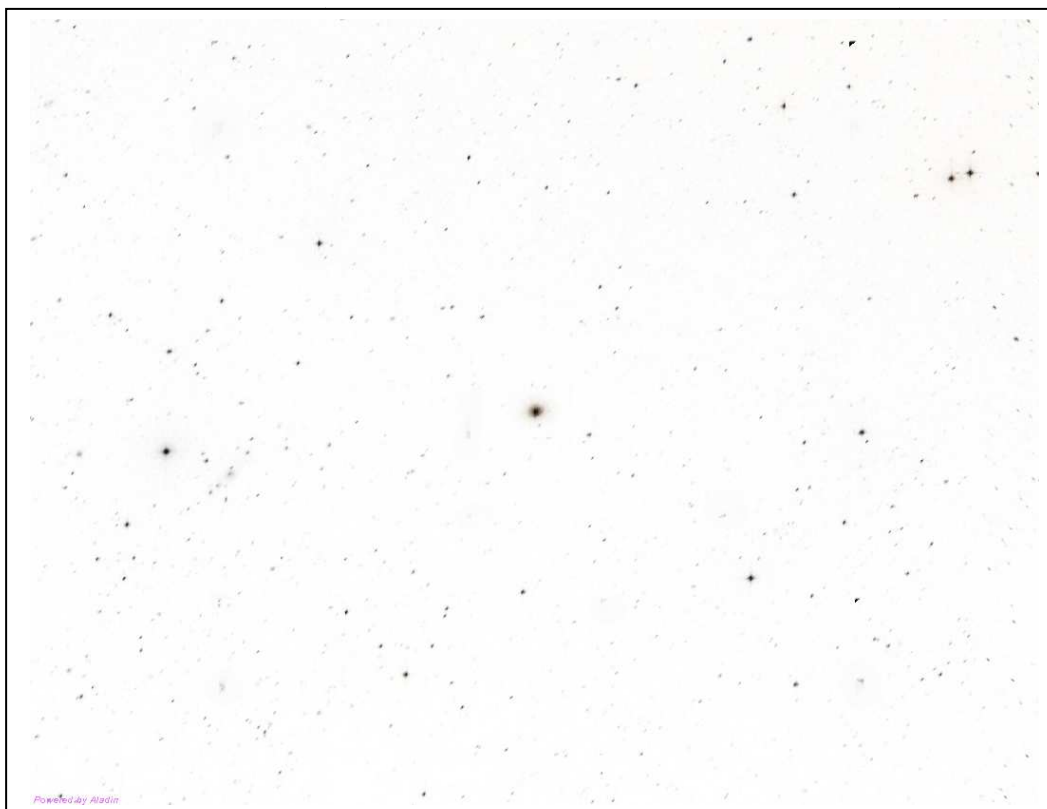
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4026	11h 59m 25.1s	+50° 57' 42"	S0	5.2'X1.3'	10,7

NGC 4036-NGC 4041



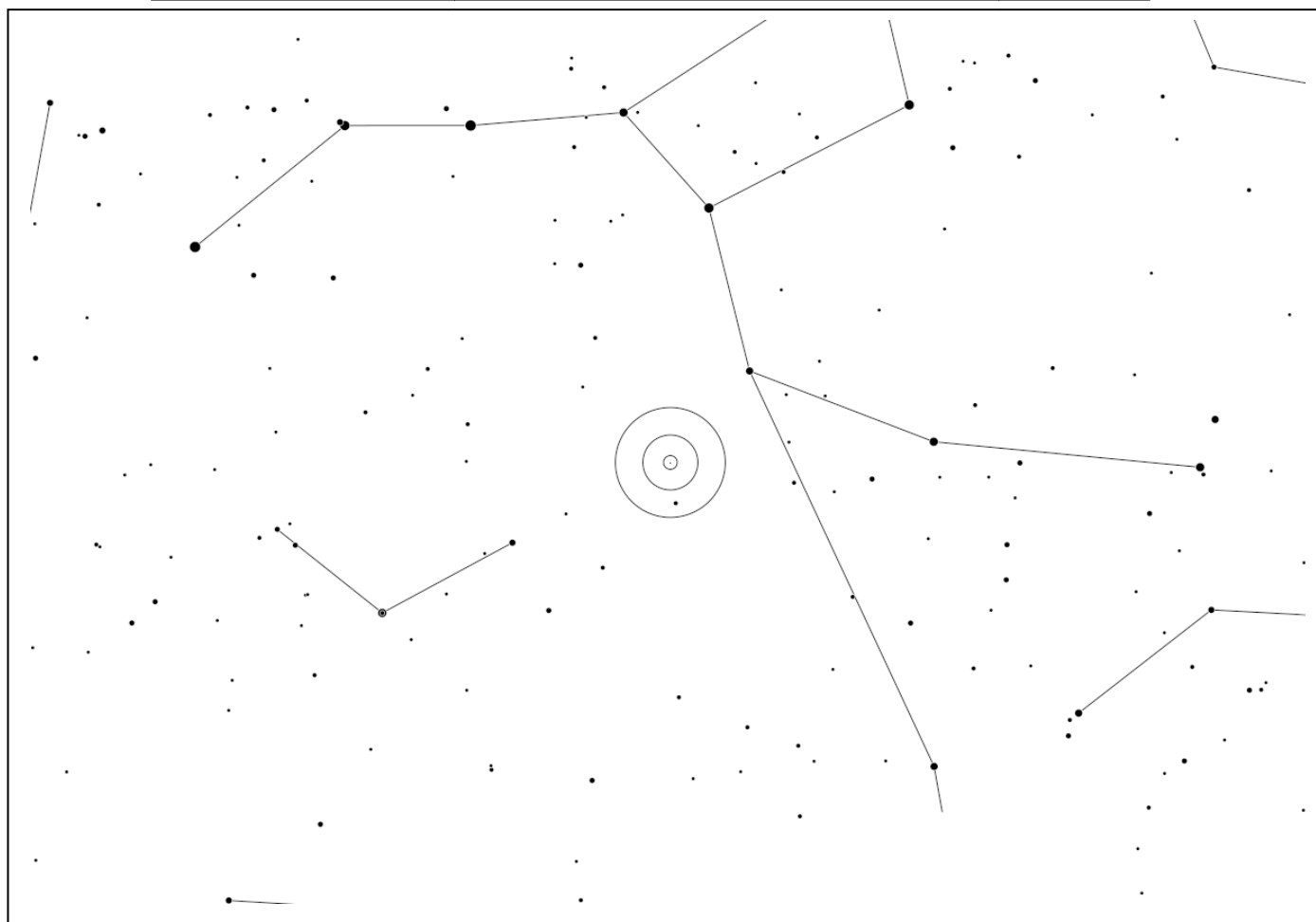
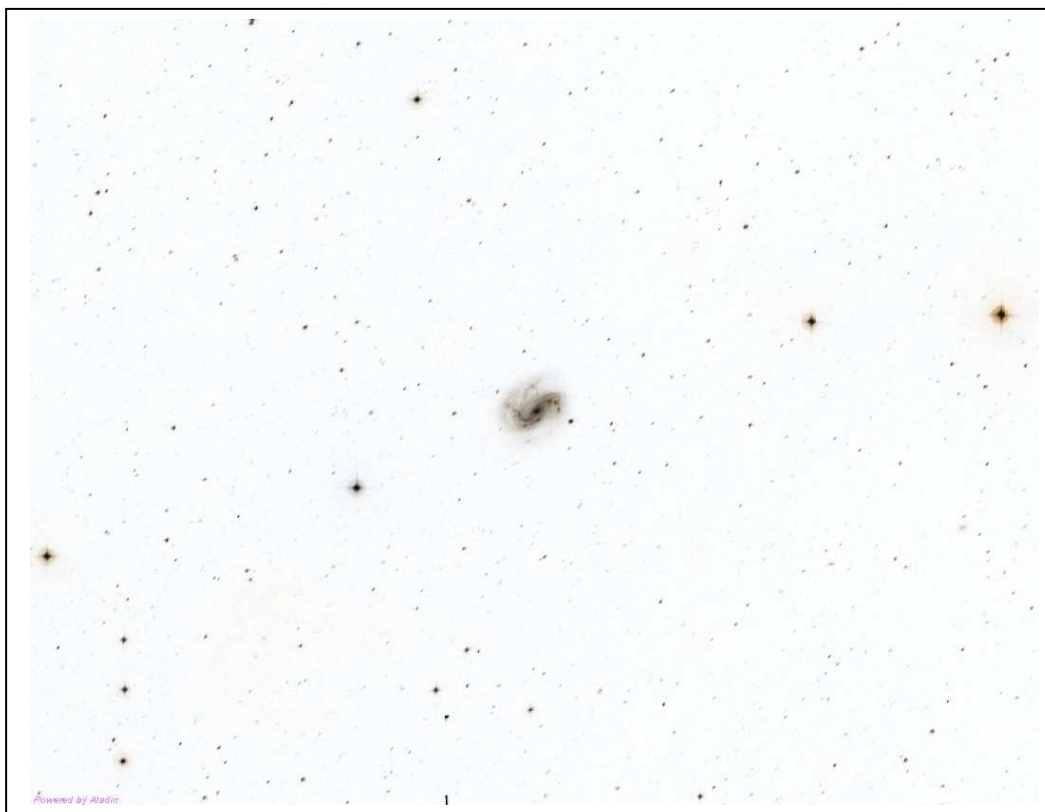
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4036	12h 01m 26.7s	+61° 53' 44"	S0-	4.3'X1.7'	10,6
4041	12h 02m 12.1s	+62° 08' 14"	SA(rs)bc: II	2.7'X2.5'	11,1

NGC 4047



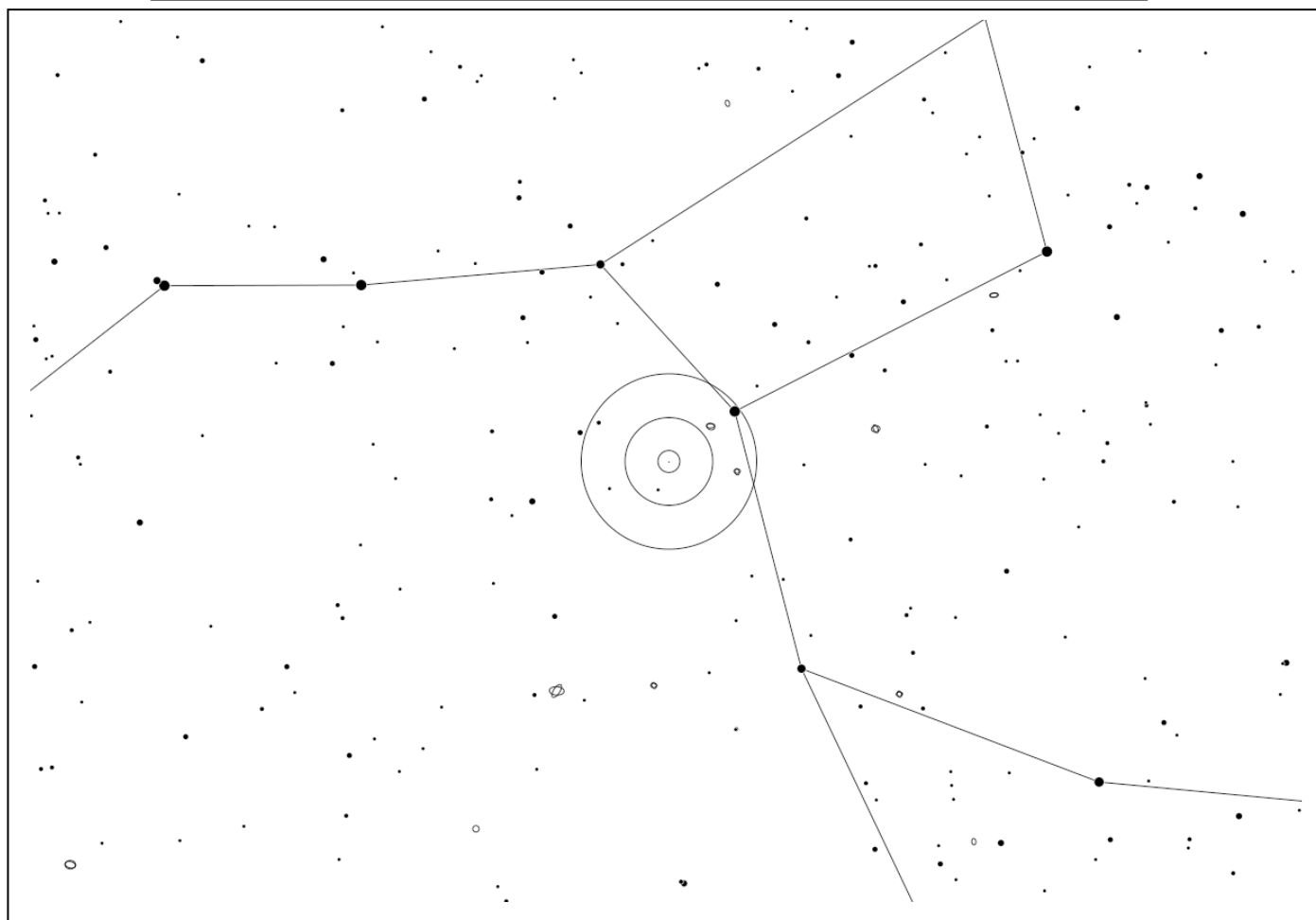
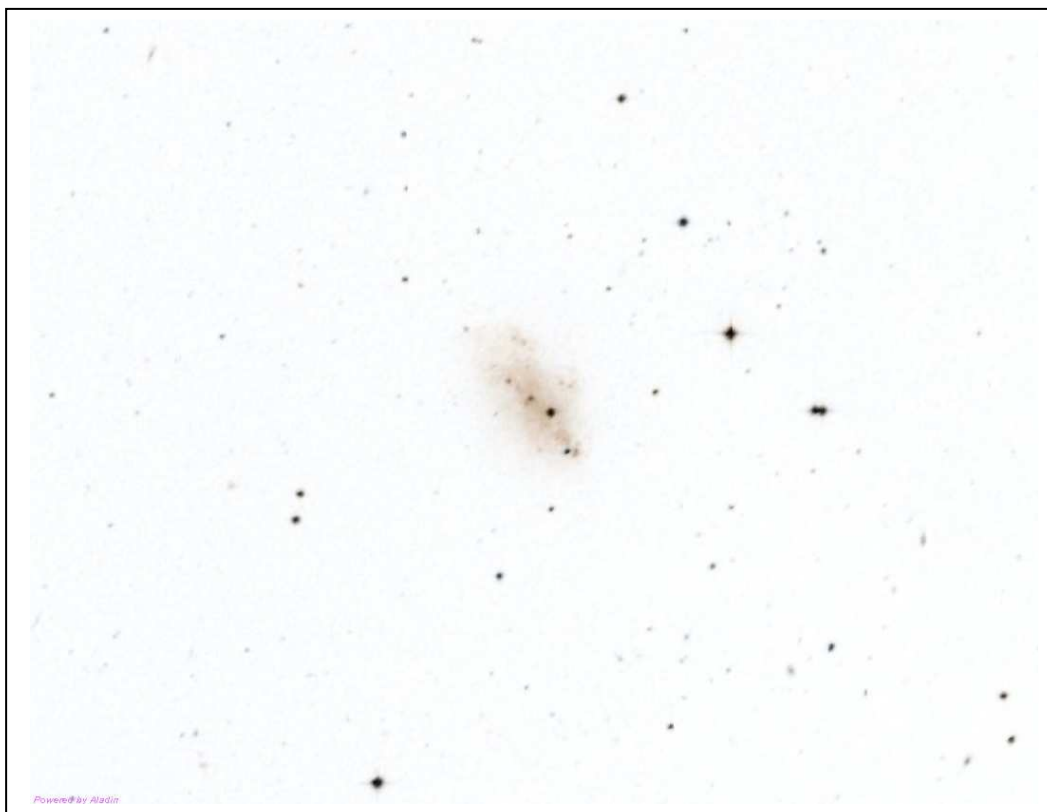
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4047	12h 02m 50.7s	+48° 38' 11"	Sb-c	1.6'X1.3'	12,4

NGC 4051



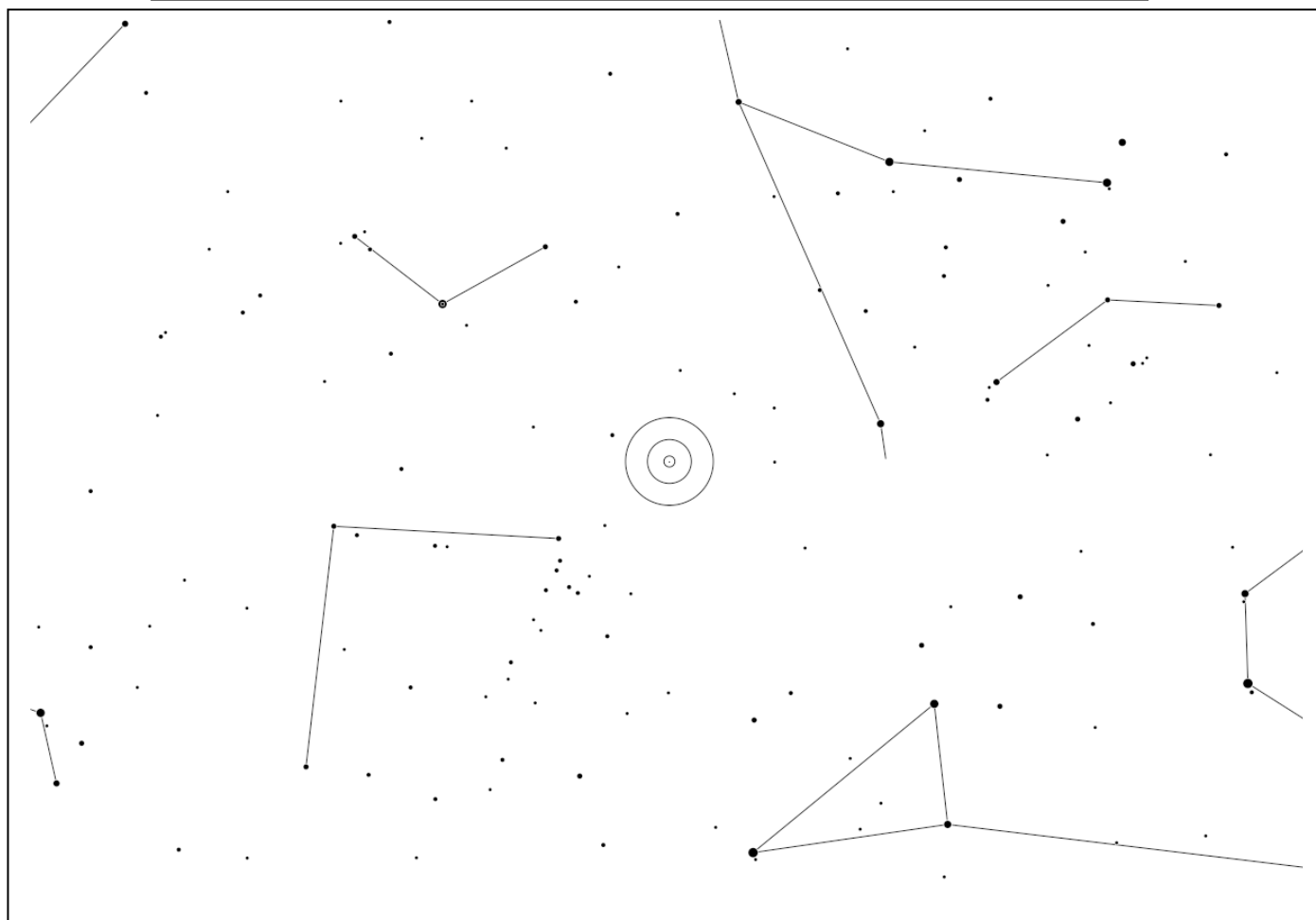
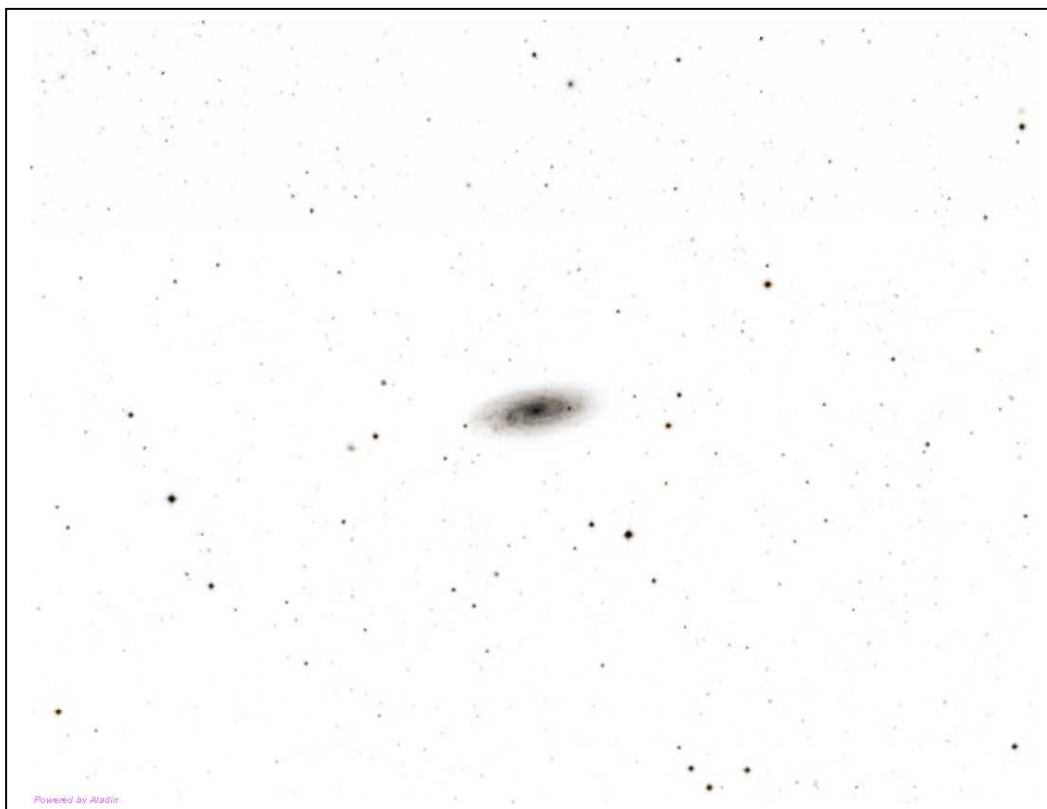
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4051	12h 03m 09.6s	+44° 31' 53"	SAB(rs)bc II	5.2'X3.9'	10,7

NGC 4068



NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4068	12h 04m 00.8s	+52° 35' 17"	Irr	3.2'X1.8'	12,6

NGC 4062

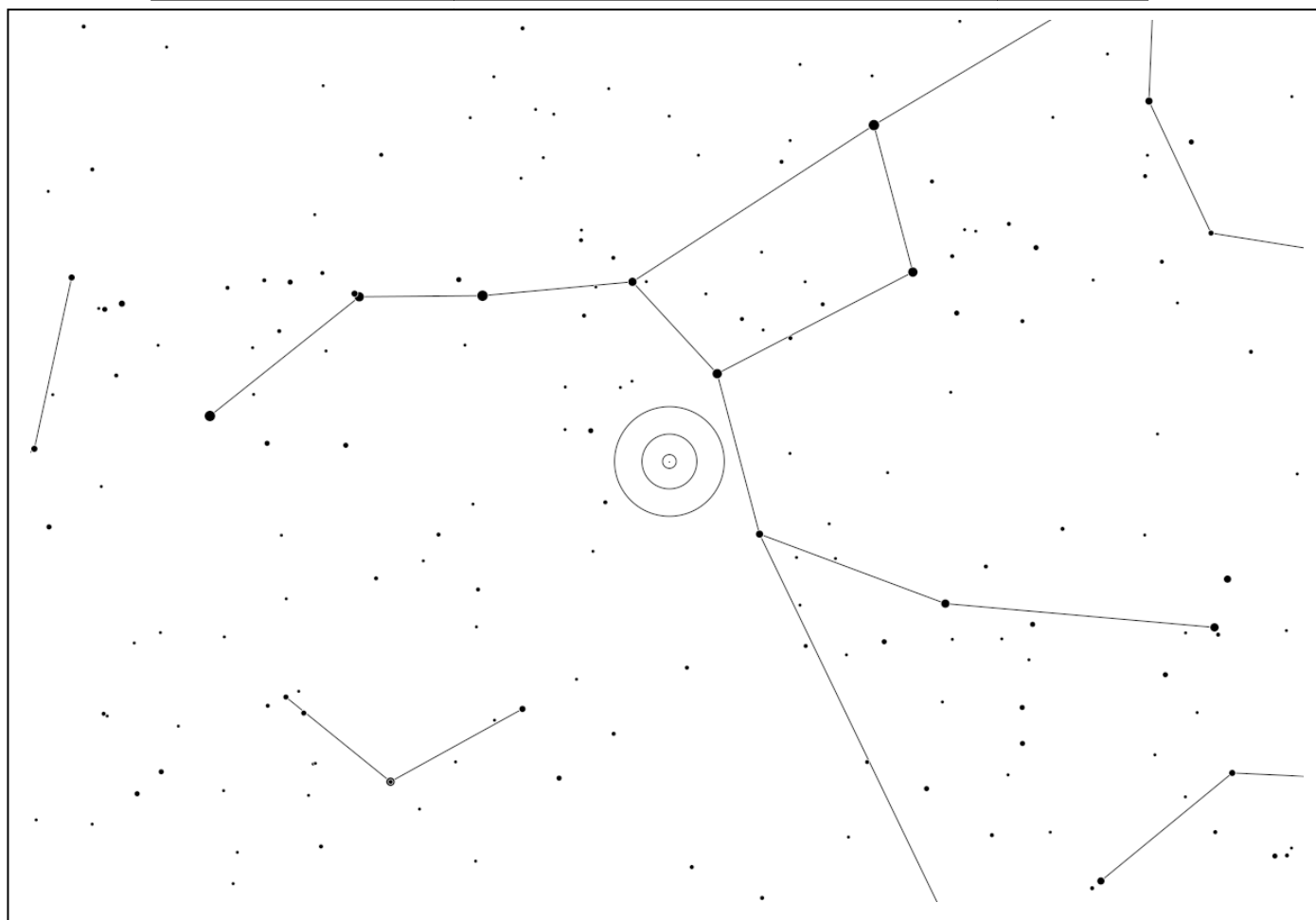


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4062	12h 04m 03.7s	+31° 53' 44"	SA(s)c II-III	4.1'X1.7'	11,3

NGC 4085-NGC 4088

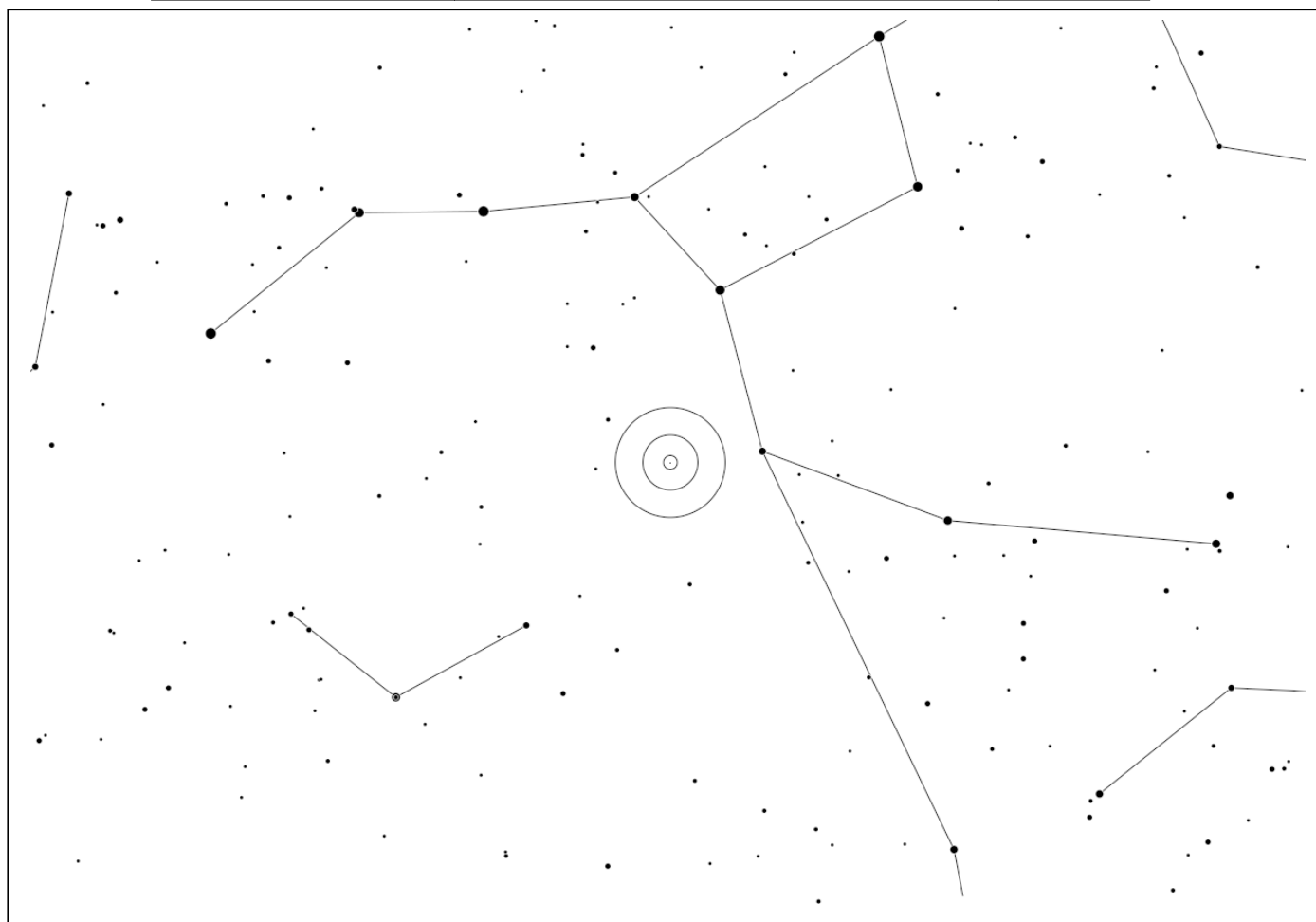


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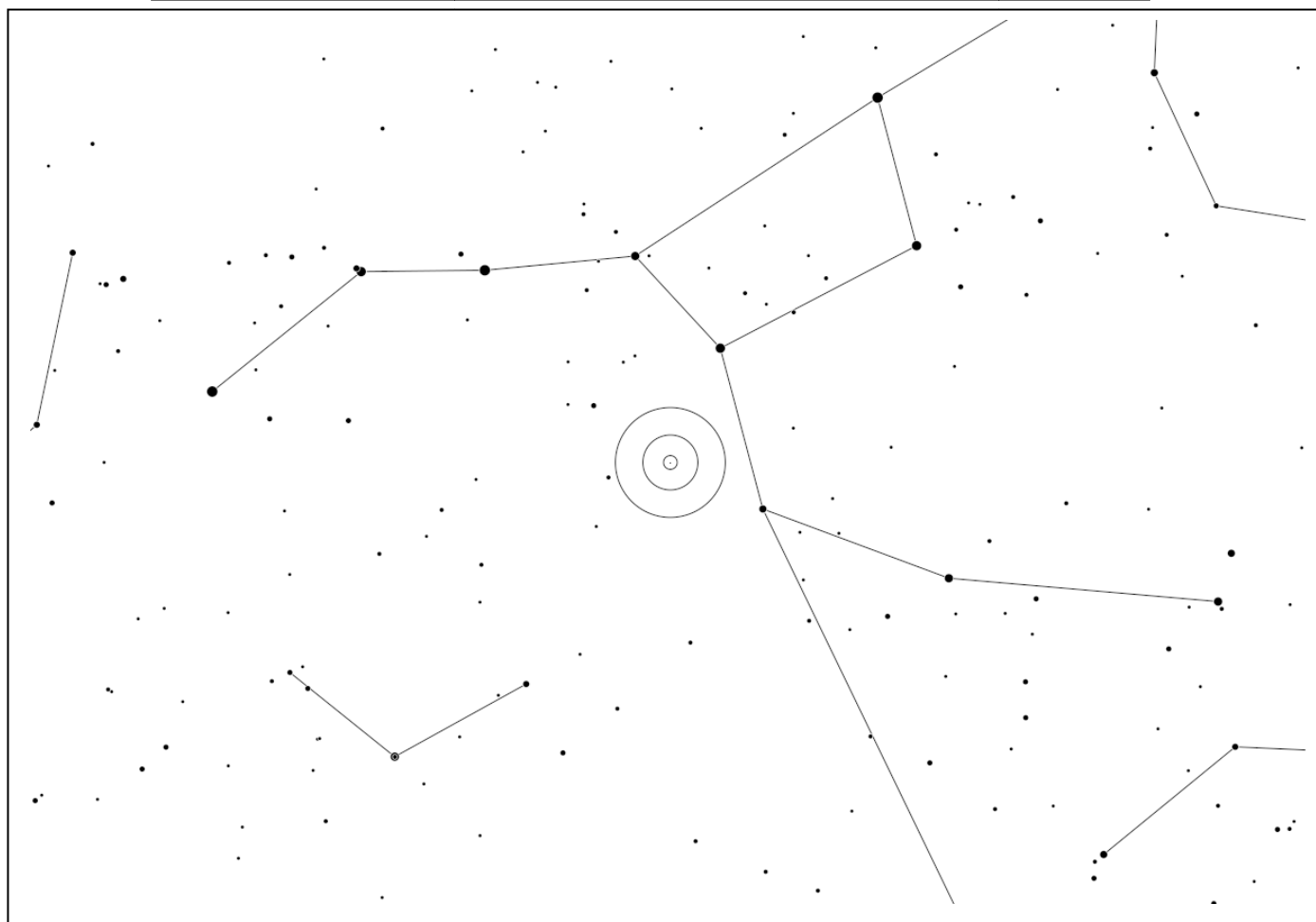
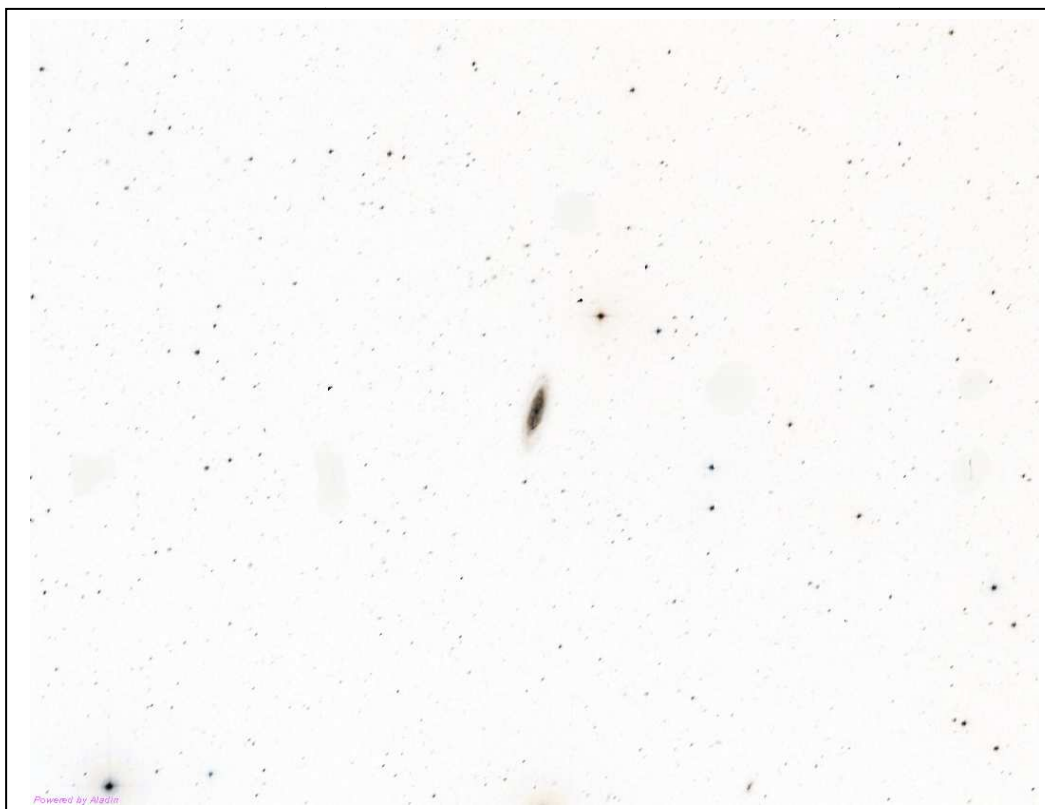
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4085	12h 05m 22.7s	+50° 21' 11"	SAB(s)c: ? III	2.8'X0.8'	12,4
4088	12h 05m 34.1s	+50° 32' 23"	SAB(rs)bc II	5.8'X2.2'	11,1

NGC 4096



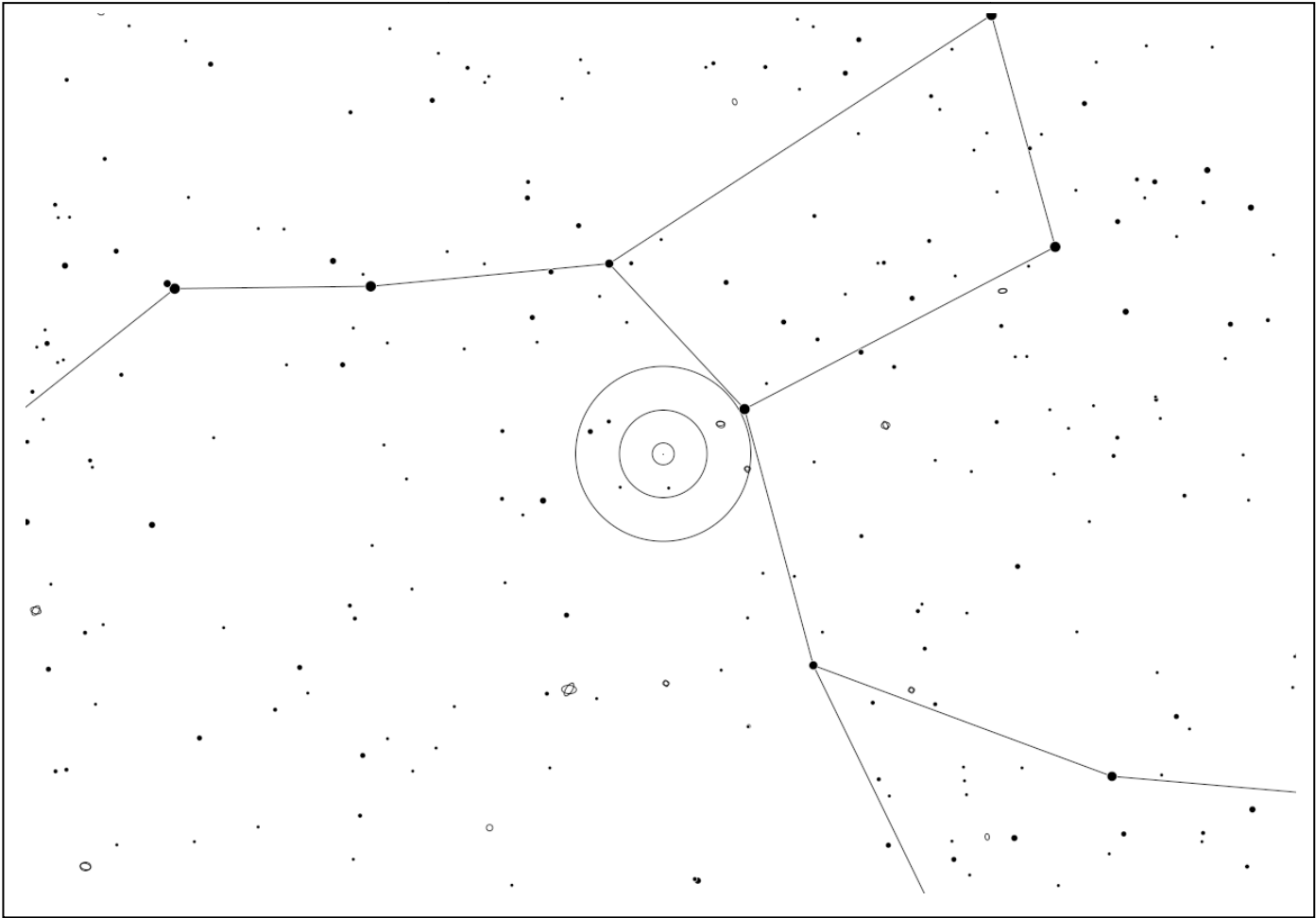
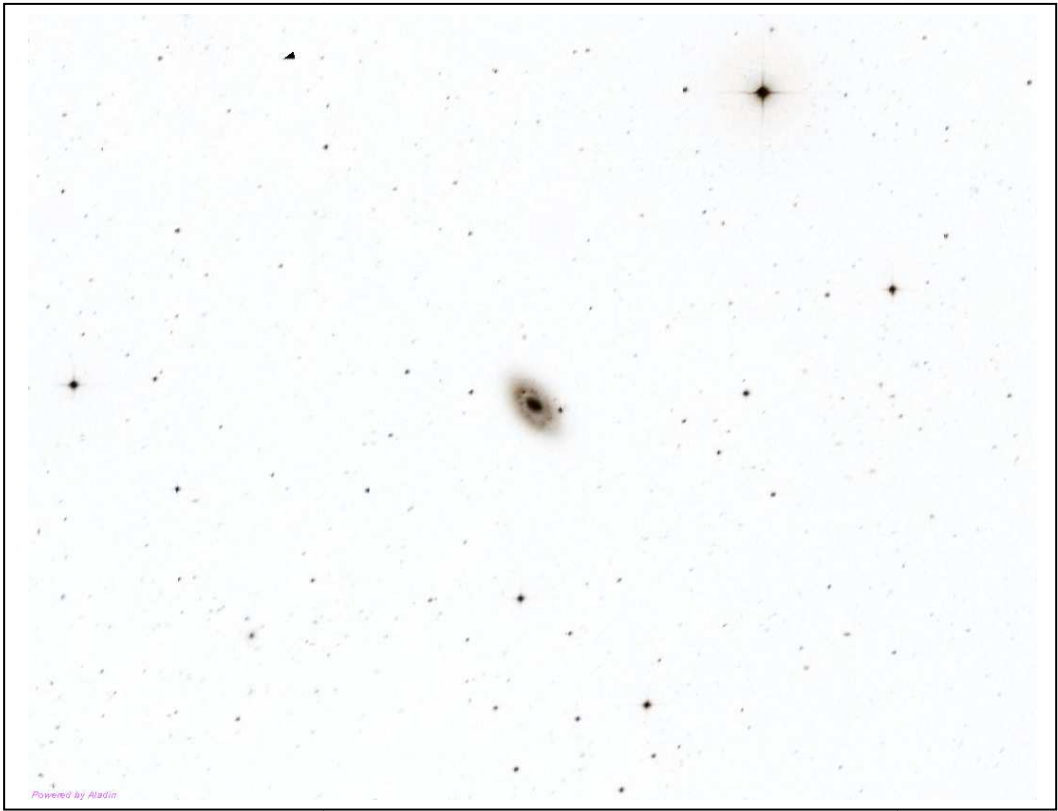
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4096	12h 06m 01.0s	+47° 28' 41"	SAB(rs)c III	6.6'X1.8'	11,1

NGC 4100



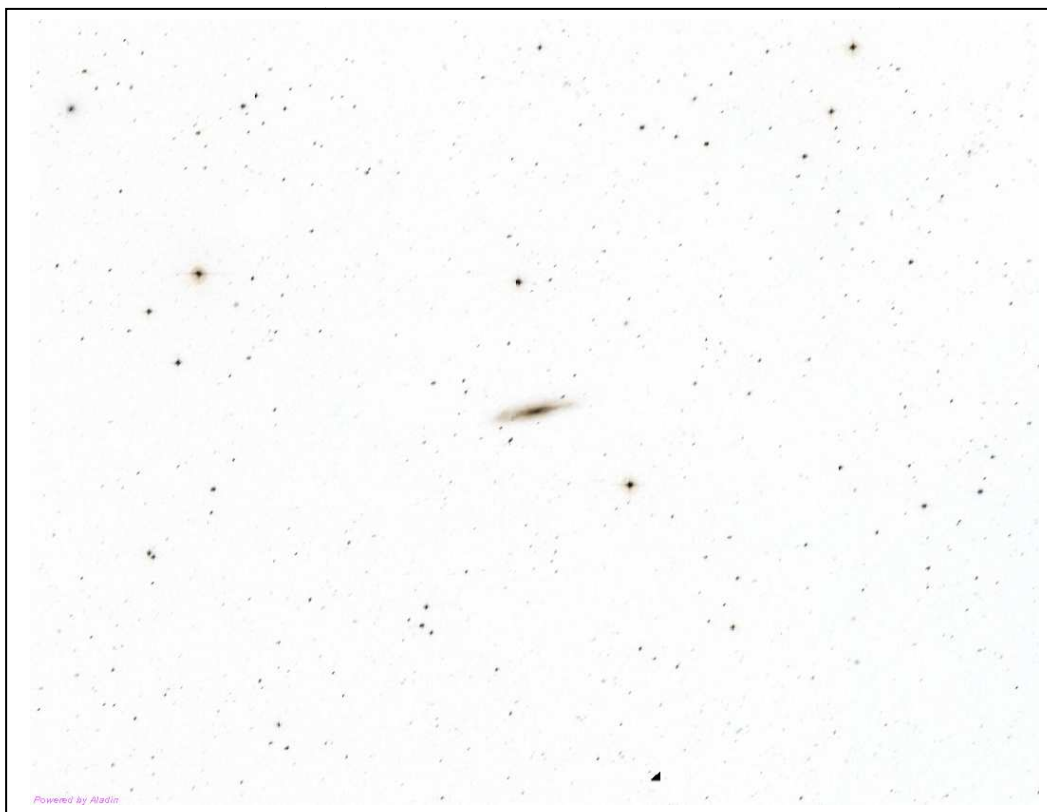
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4100	12h 06m 08.3s	+49° 34' 58"	(R')SA(rs)bc	5.4'X1.8'	11

NGC 4102

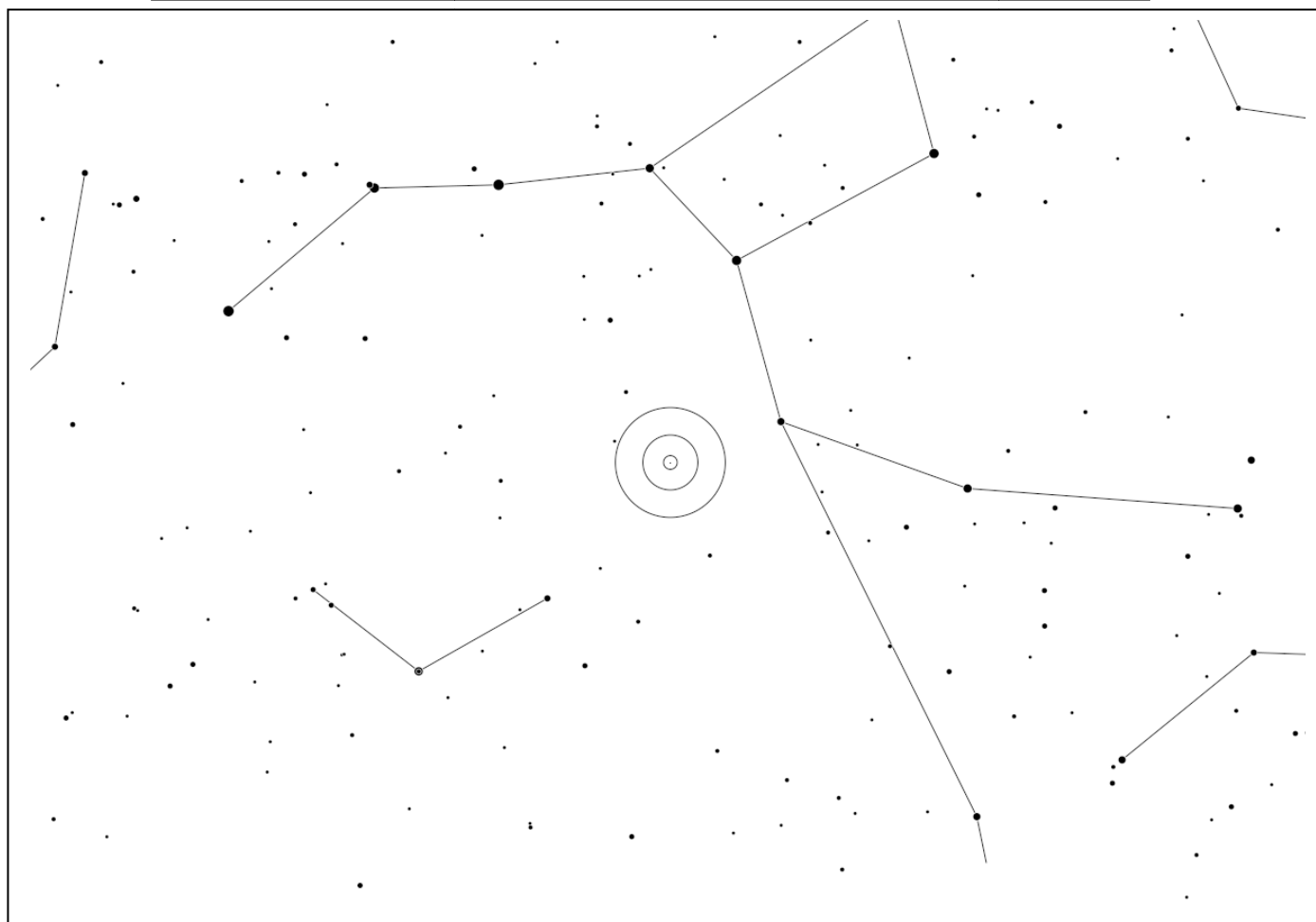


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4102	12h 06m 22.9s	+52° 42' 40"	Sb	3.0'X1.7'	11,3

NGC 4144



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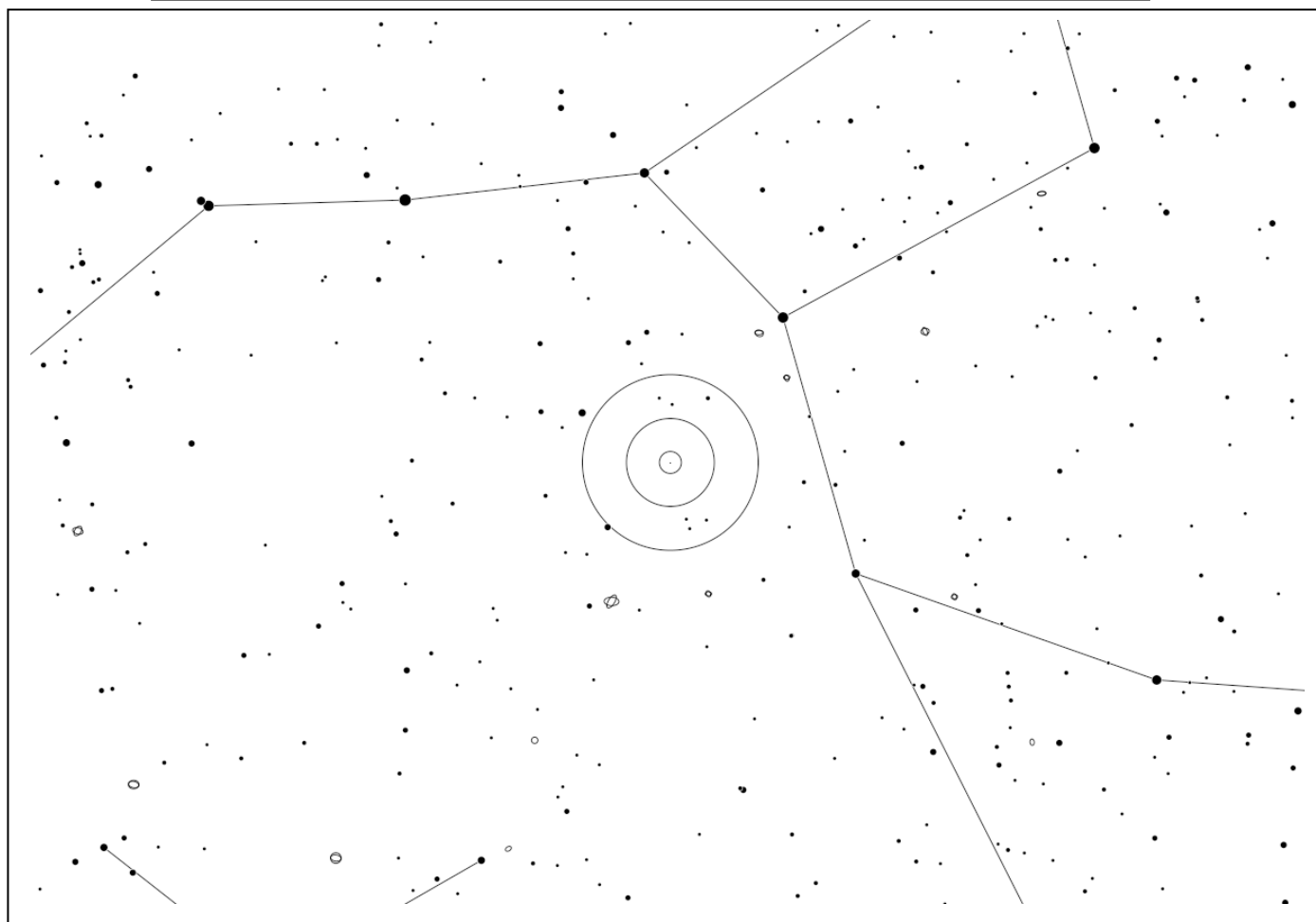


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4144	12h 09m 59.3s	+46° 27' 27"	SAB(s)cdsp III	6.0'X1.3'	11,6

NGC 4157

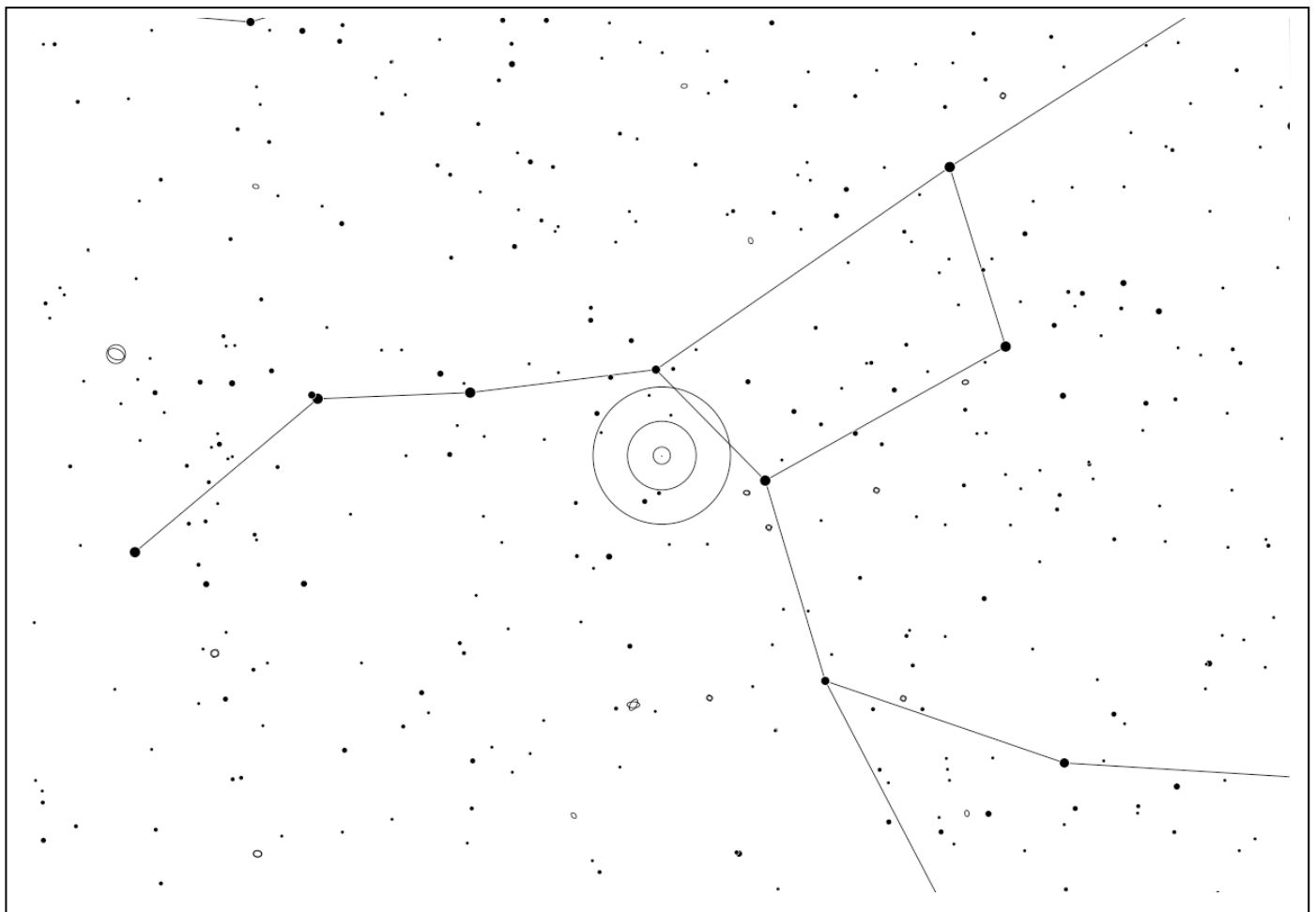
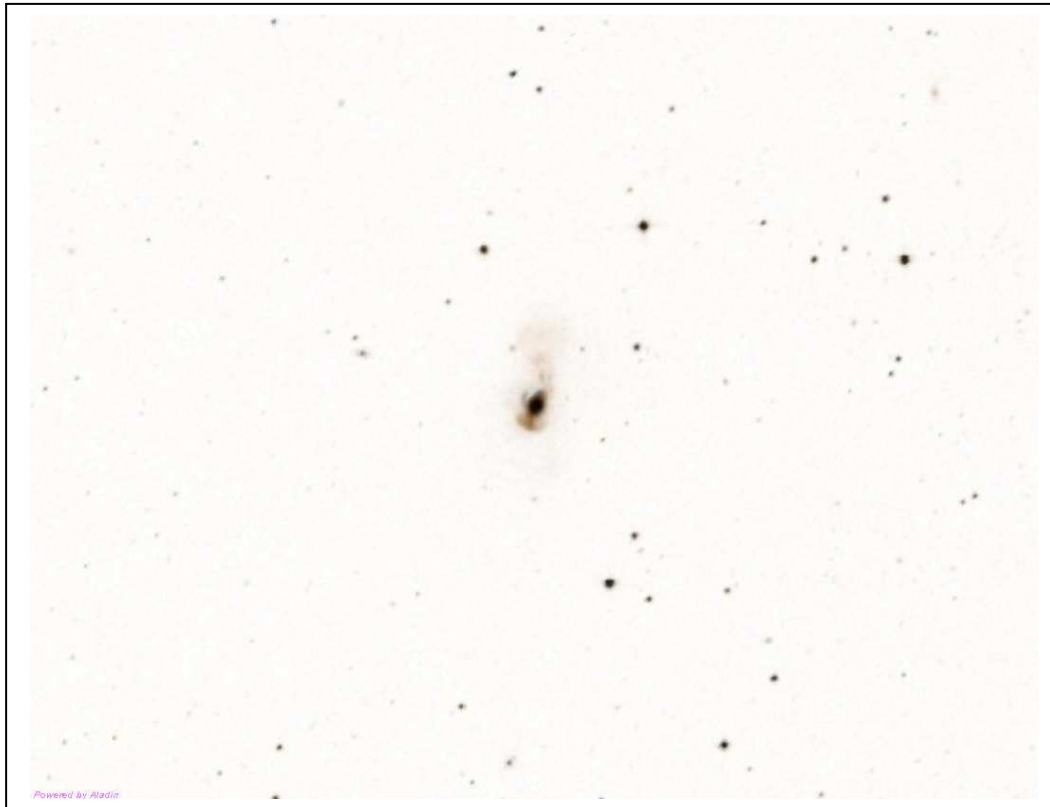


Powered by Aladin



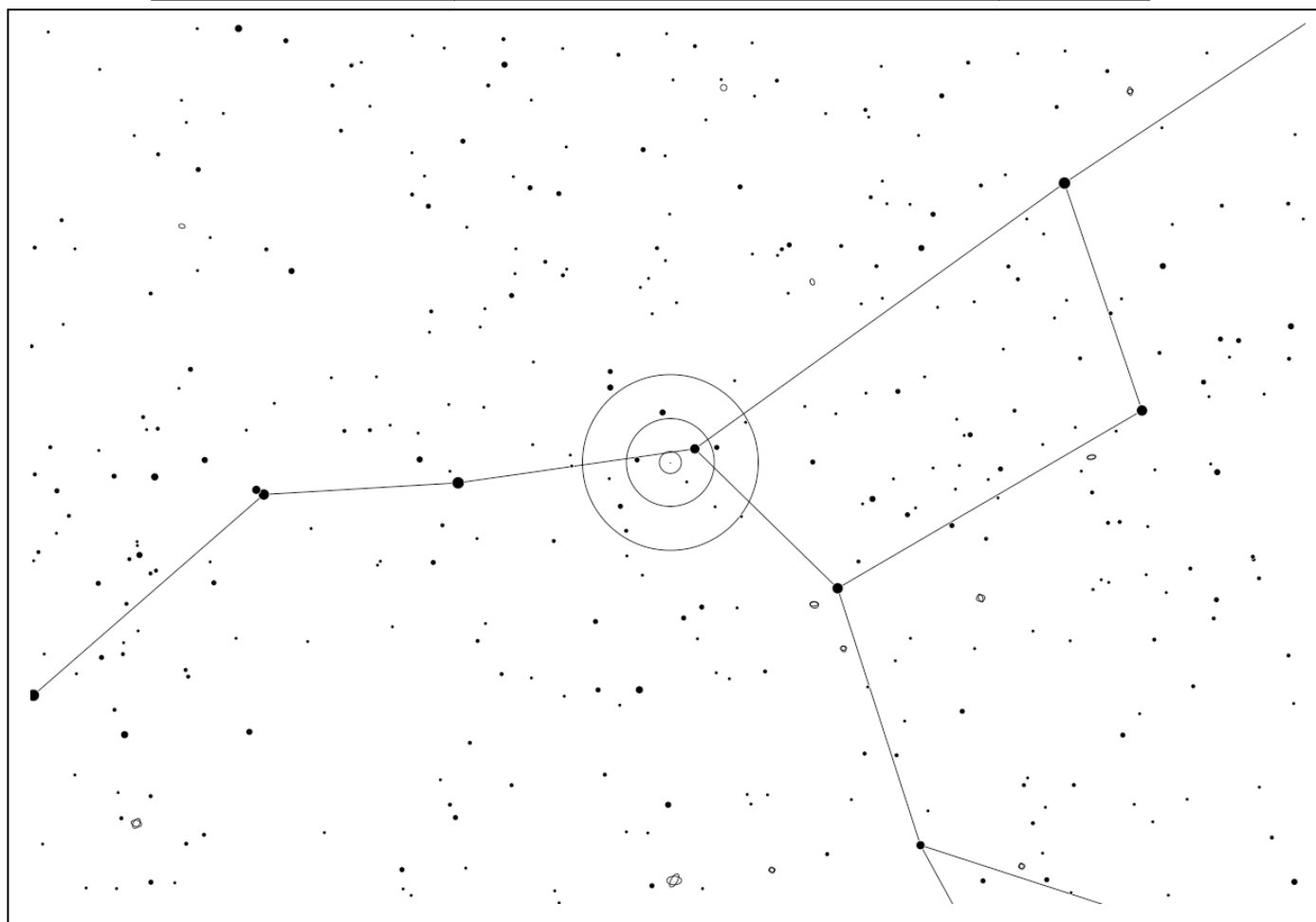
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4157	12h 11m 05.0s	+50° 29' 08"	SAB(s)b?sp II	6.8'X1.3'	11,1

NGC 4194 (ARP 160)



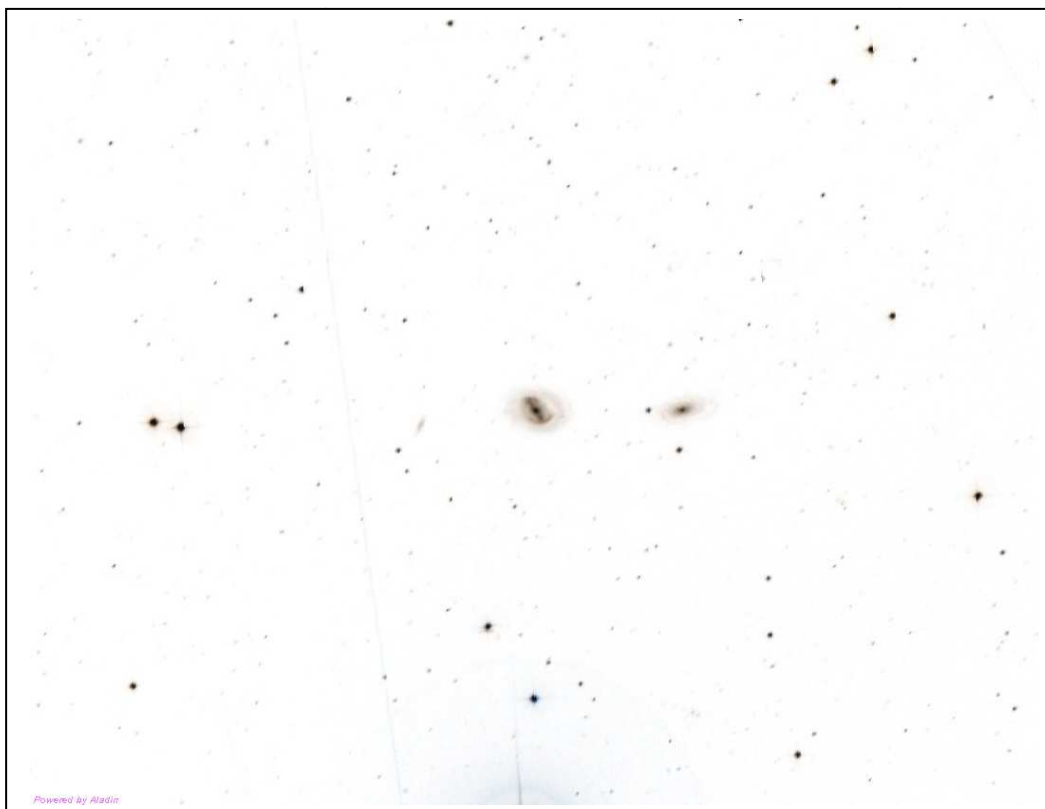
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4194	12h 14m 09.6s	+54° 31' 35"	IBmP	1.8'X1.1'	12,7

NGC 4271

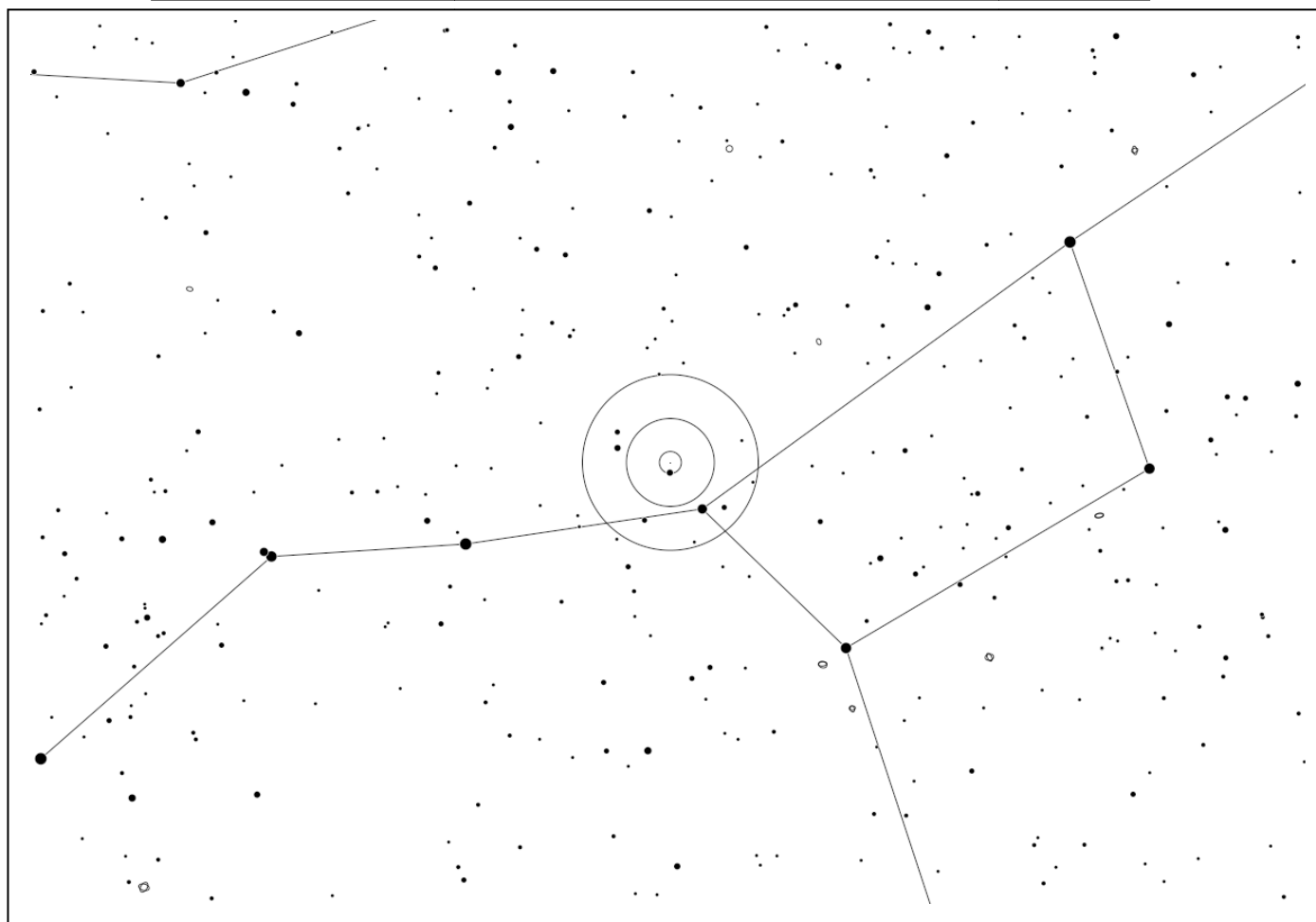


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4271	12h 19m 32.6s	+56° 44' 11"	E-S0	1.5'X1.3'	12,7

NGC 4284-NGC 4290

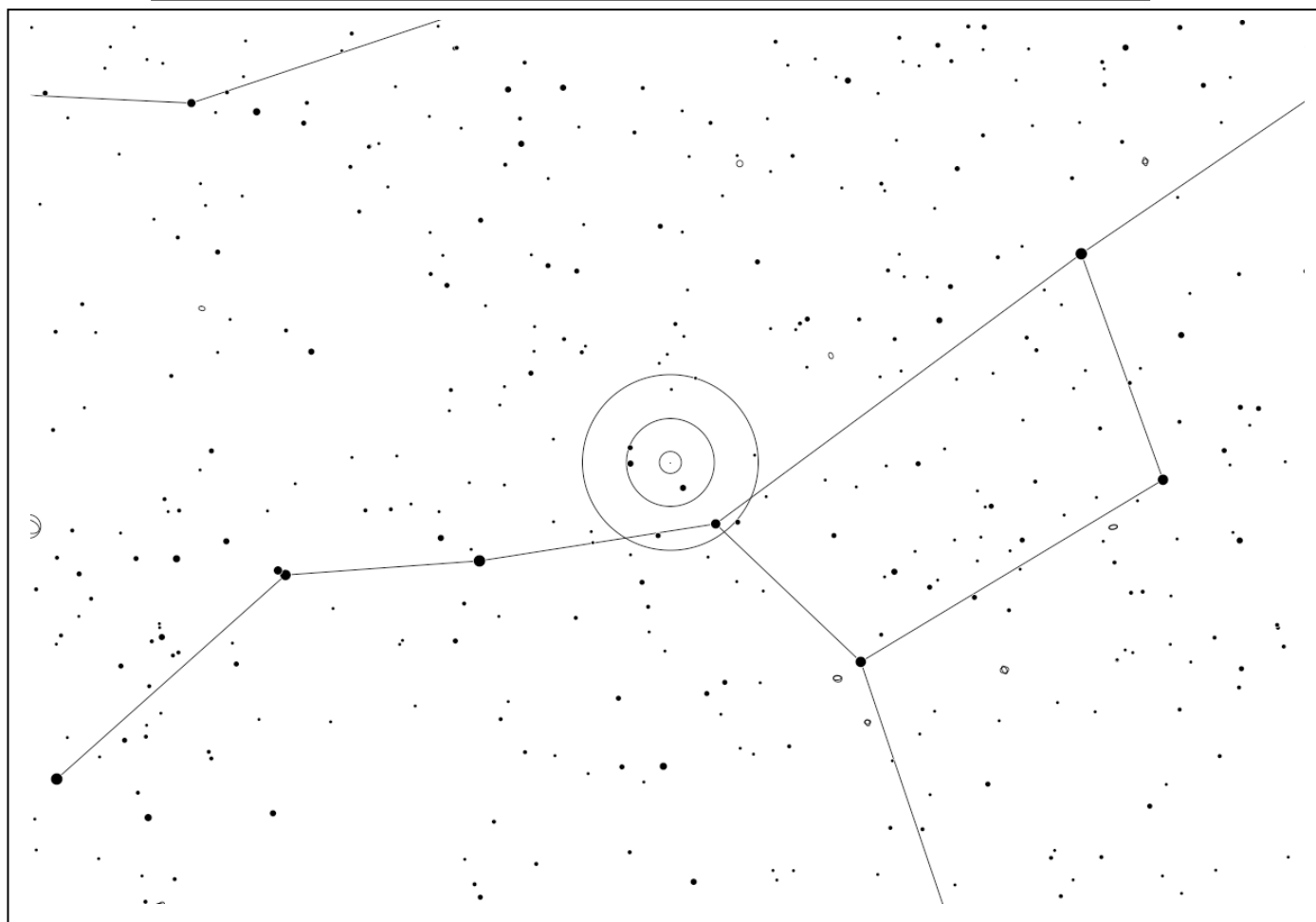
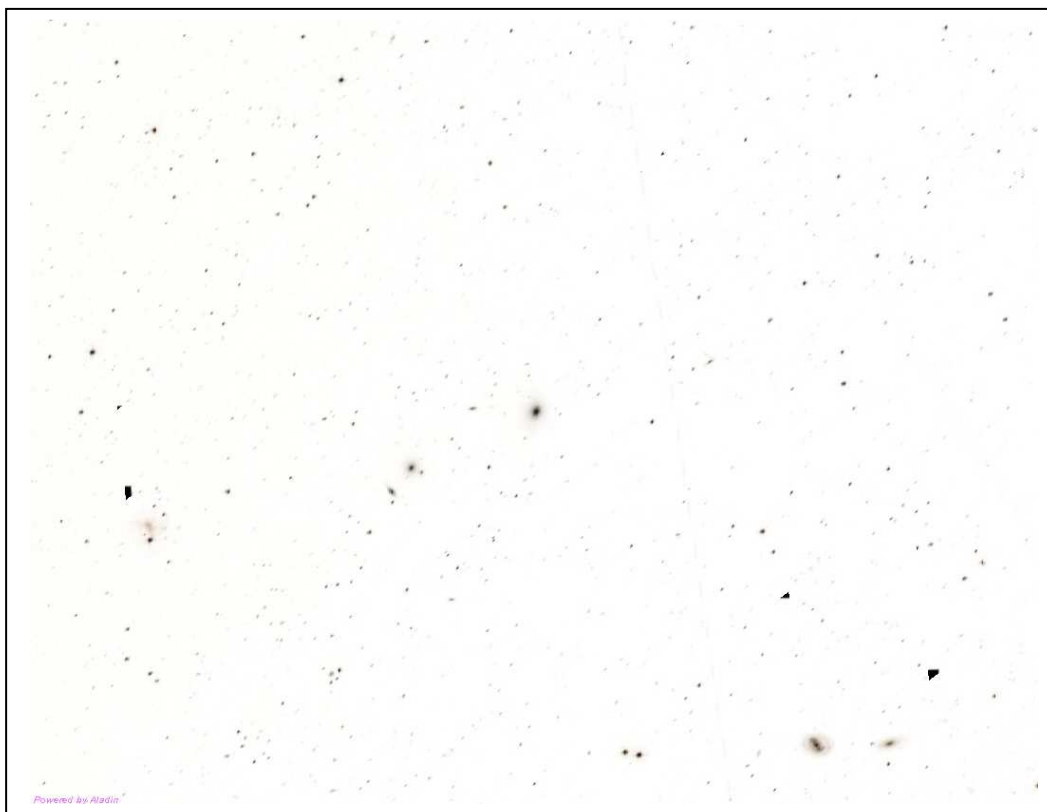


Powered by Aladin



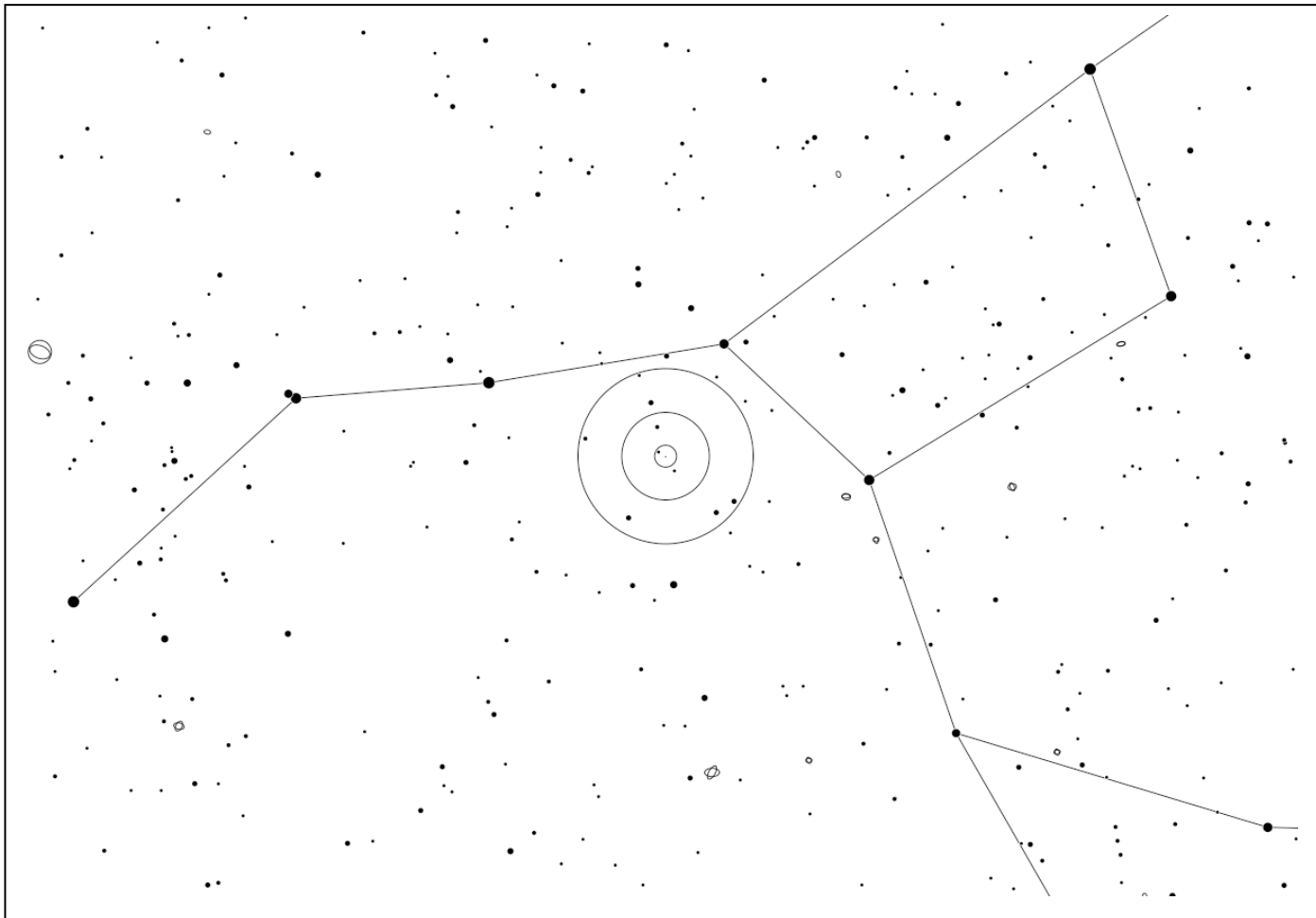
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4284	12h 20m 12.6s	+58° 05' 34"	Sb-c	2.5'X1.2'	13,7
4290	12h 20m 47.5s	+58° 05' 33"	SB(rs)ab: II	2.3'X1.6'	12

NGC 4335



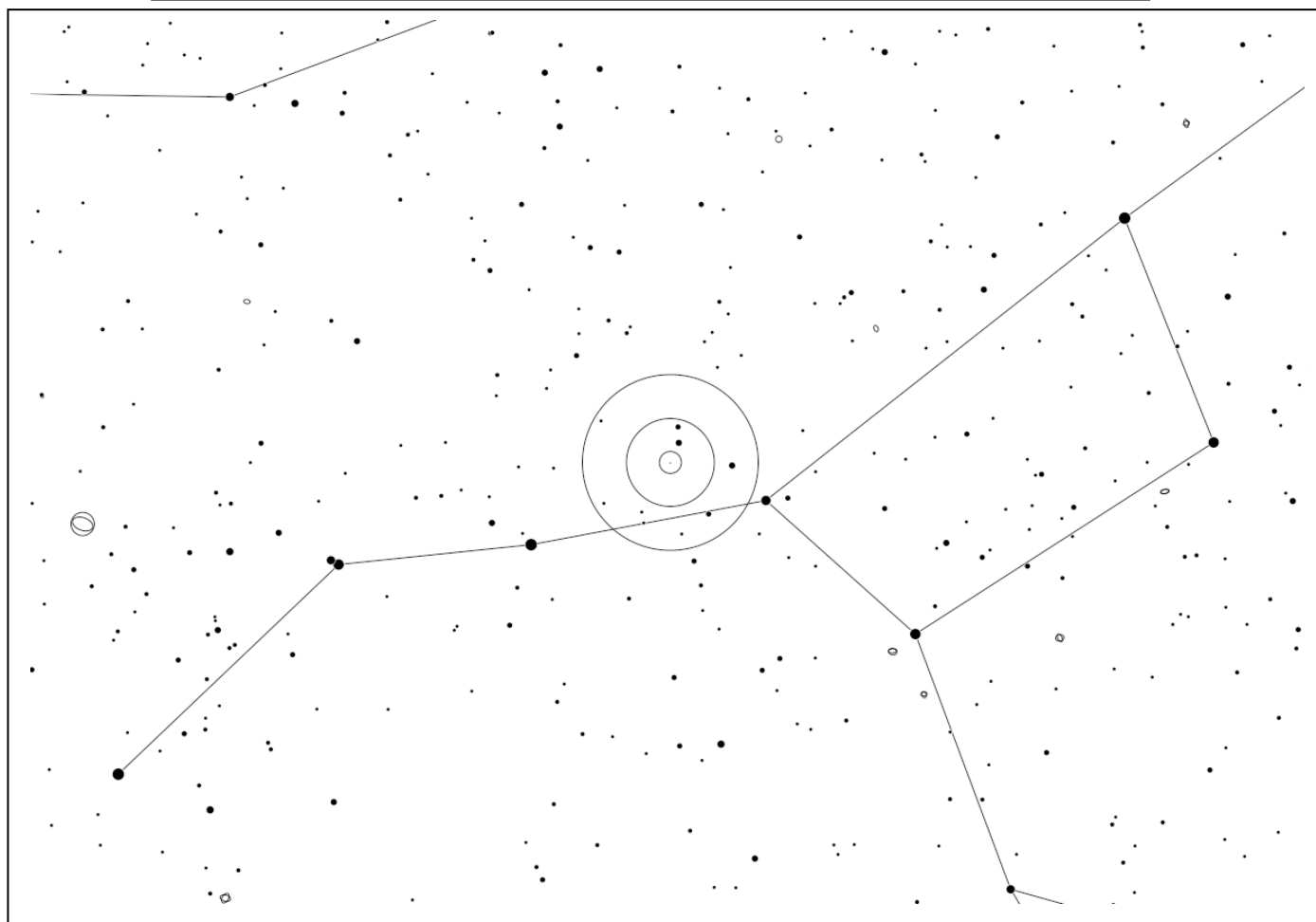
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4335	12h 23m 01.9s	+58° 26' 40"	E	1.9'X1.5'	12,5

NGC 4384



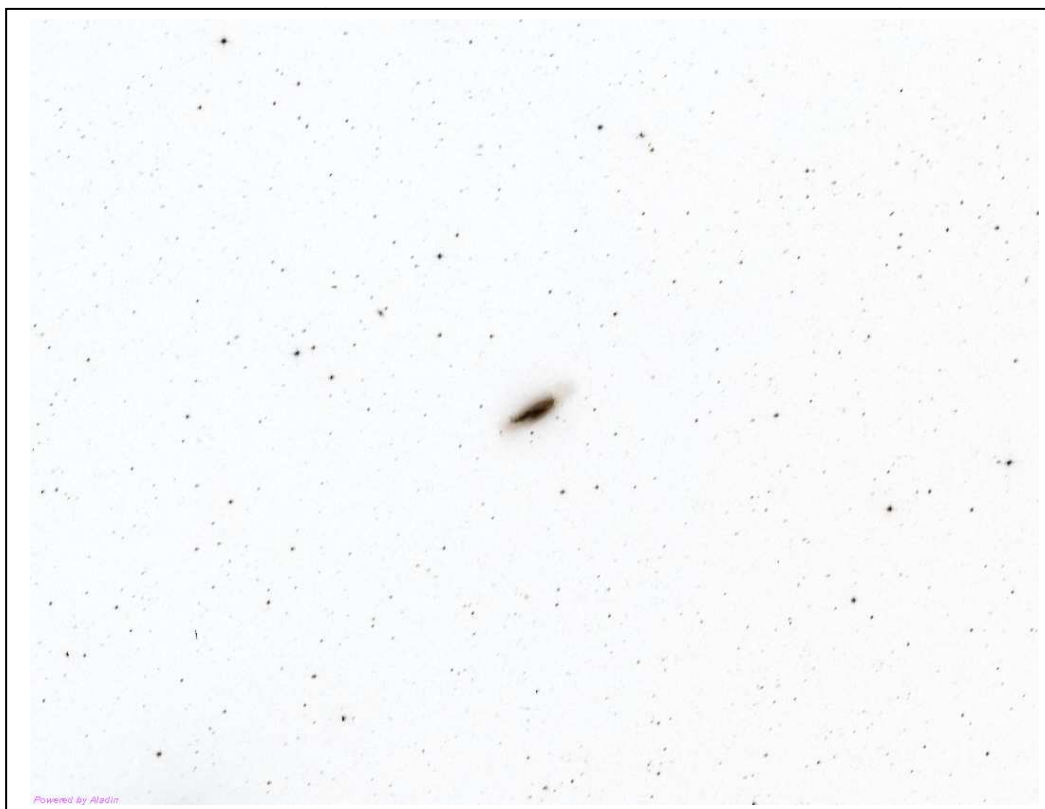
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4384	12h 25m 11.9s	+54° 30' 22"	Sa/P	1.3'X1.0'	12,8

NGC 4500

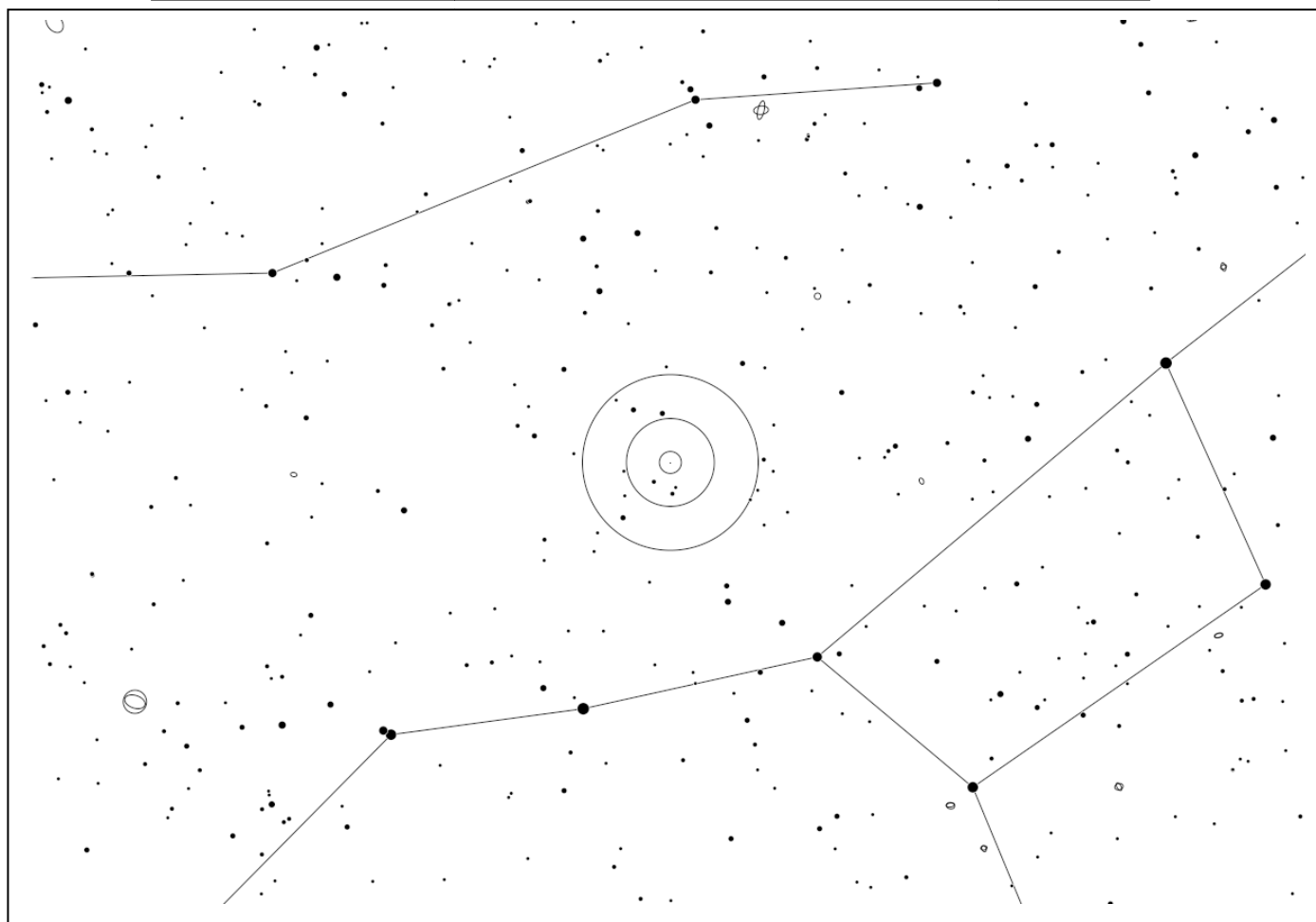


NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4500	12h 31m 22.1s	+57° 57' 52"	SBa	1.6'X1.0'	12,6

NGC 4605

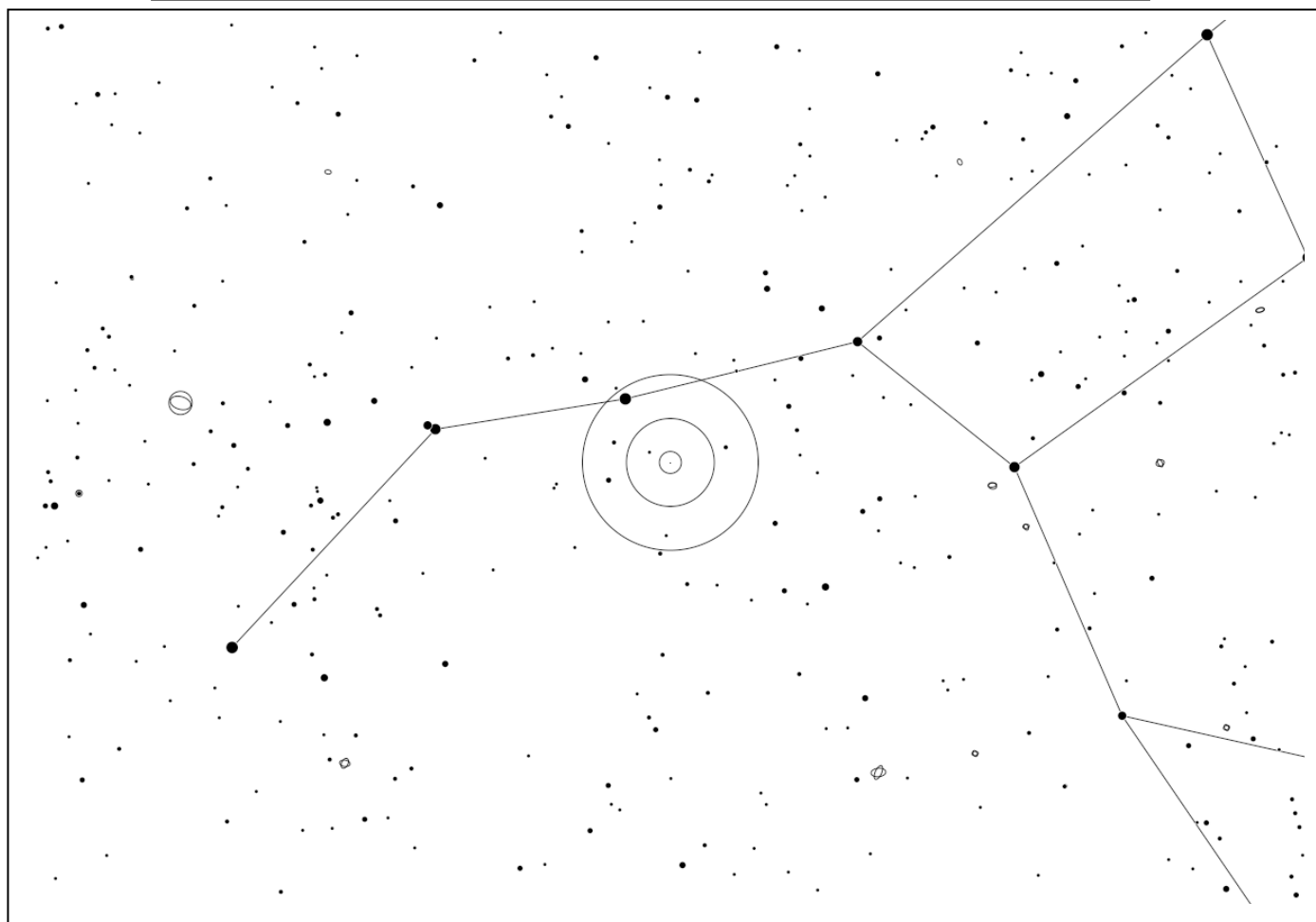


Powered by Aladin



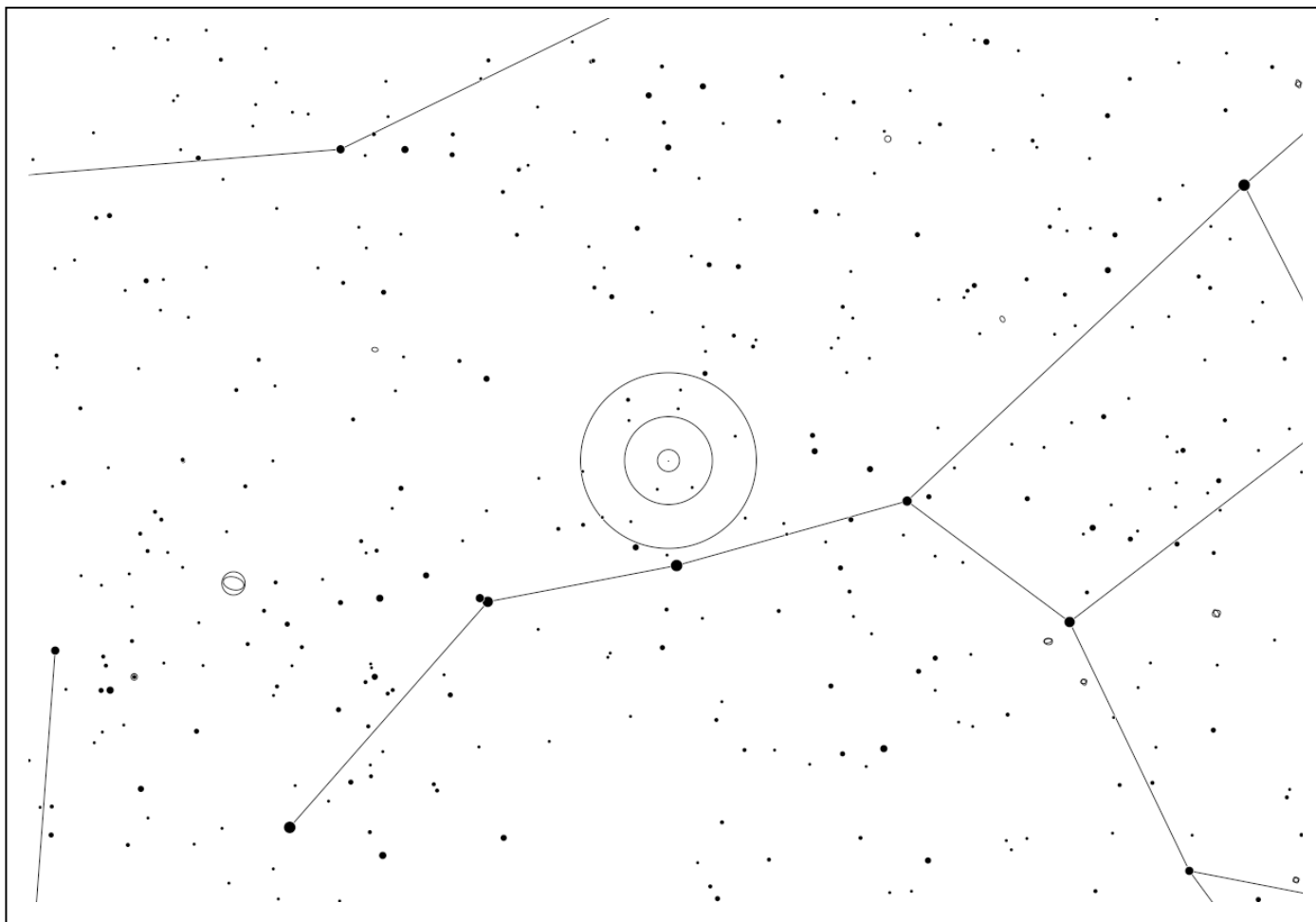
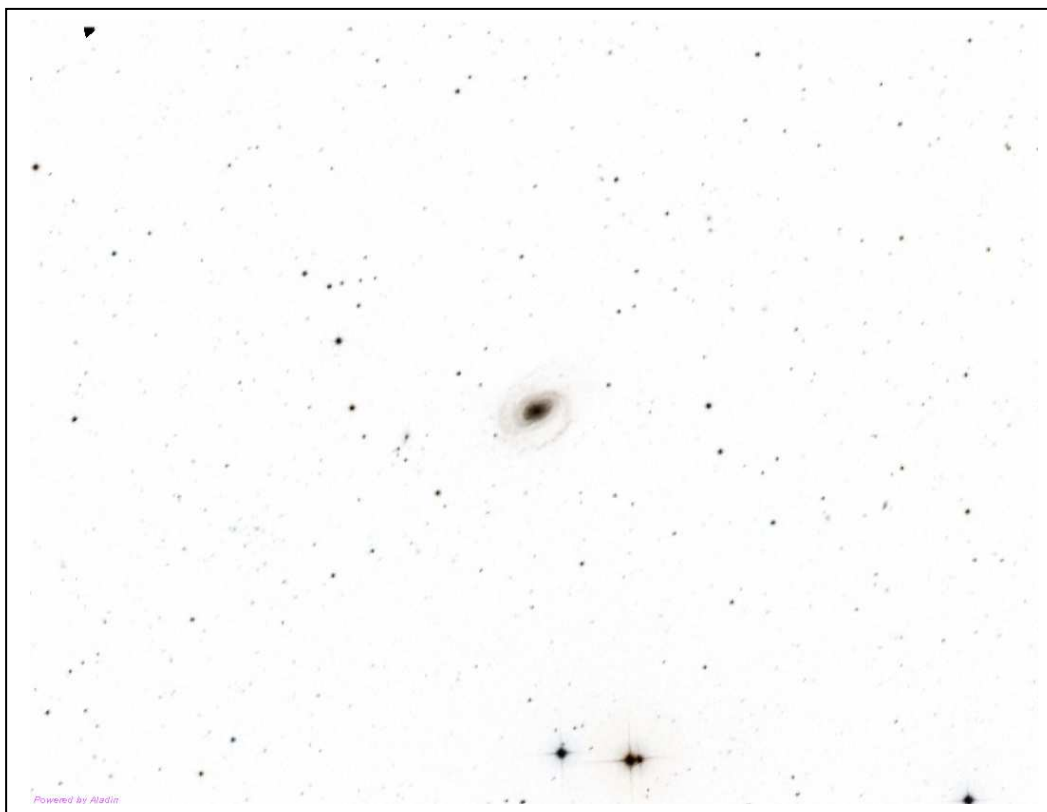
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4605	12h 40m 00.0s	+61° 36' 28"	SBc/P	5.5'X2.3'	10,4

NGC 4686



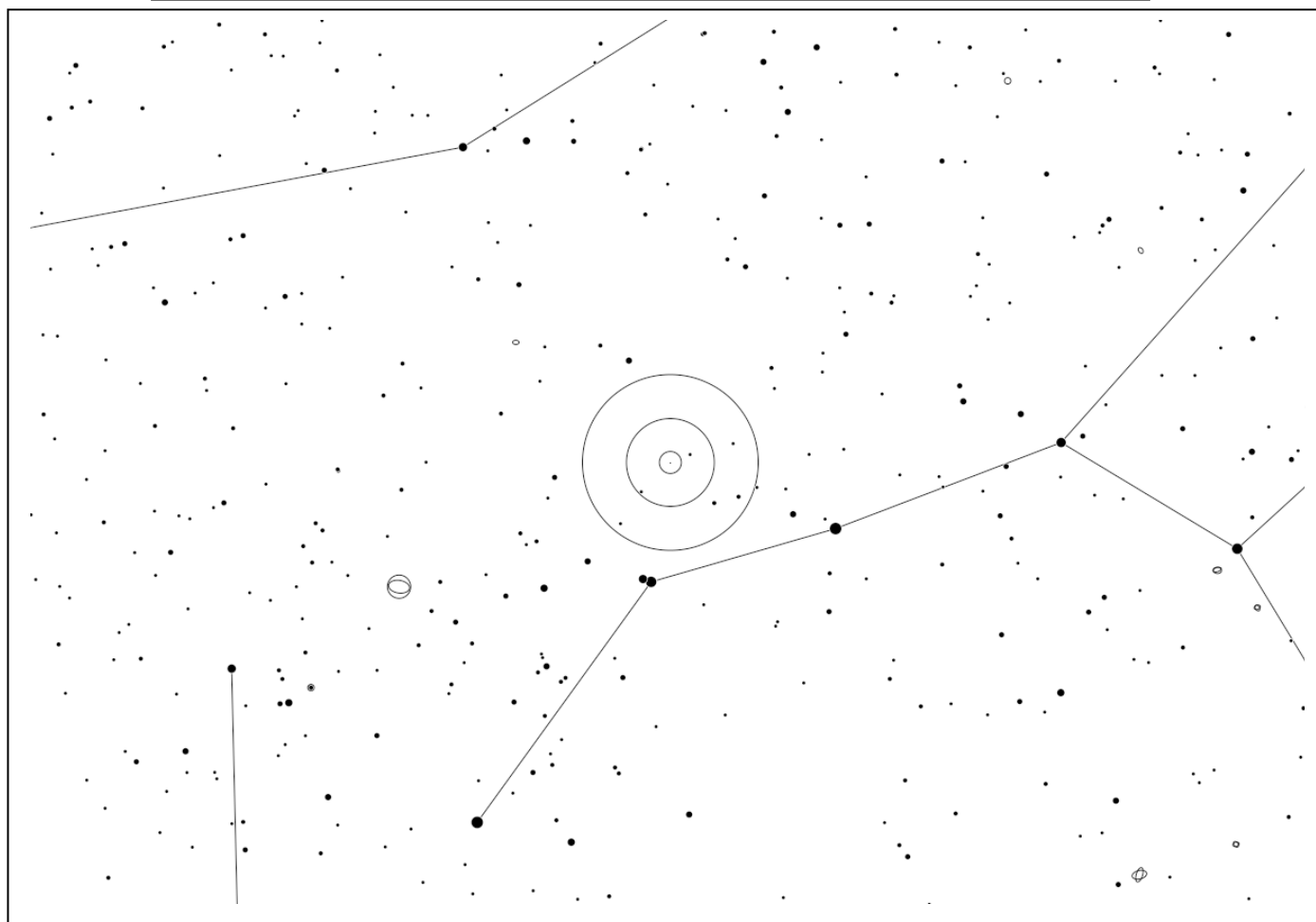
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4686	12h 46m 39.7s	+54° 32' 02"	Sa	2.0'X0.6'	13

NGC 4814



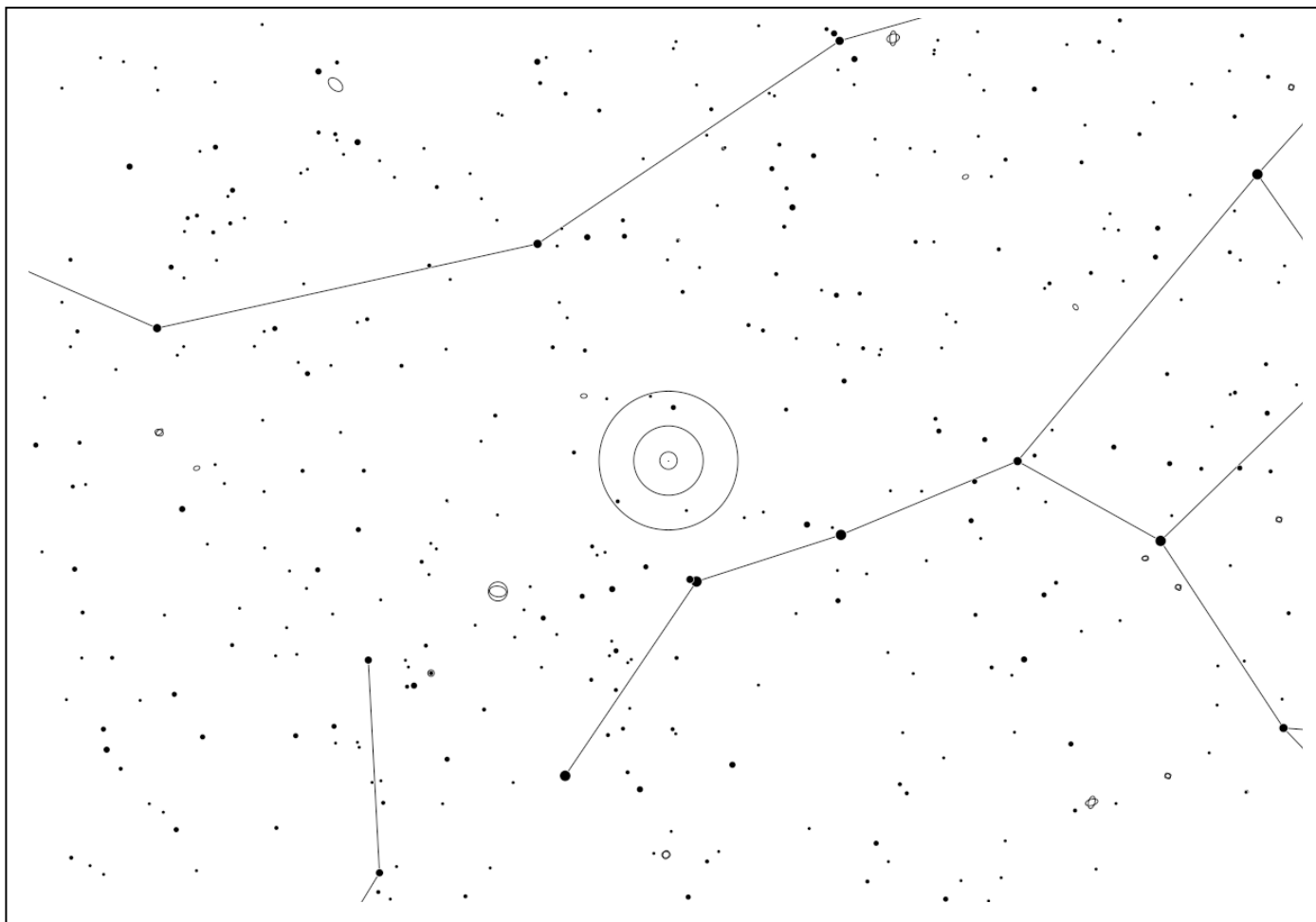
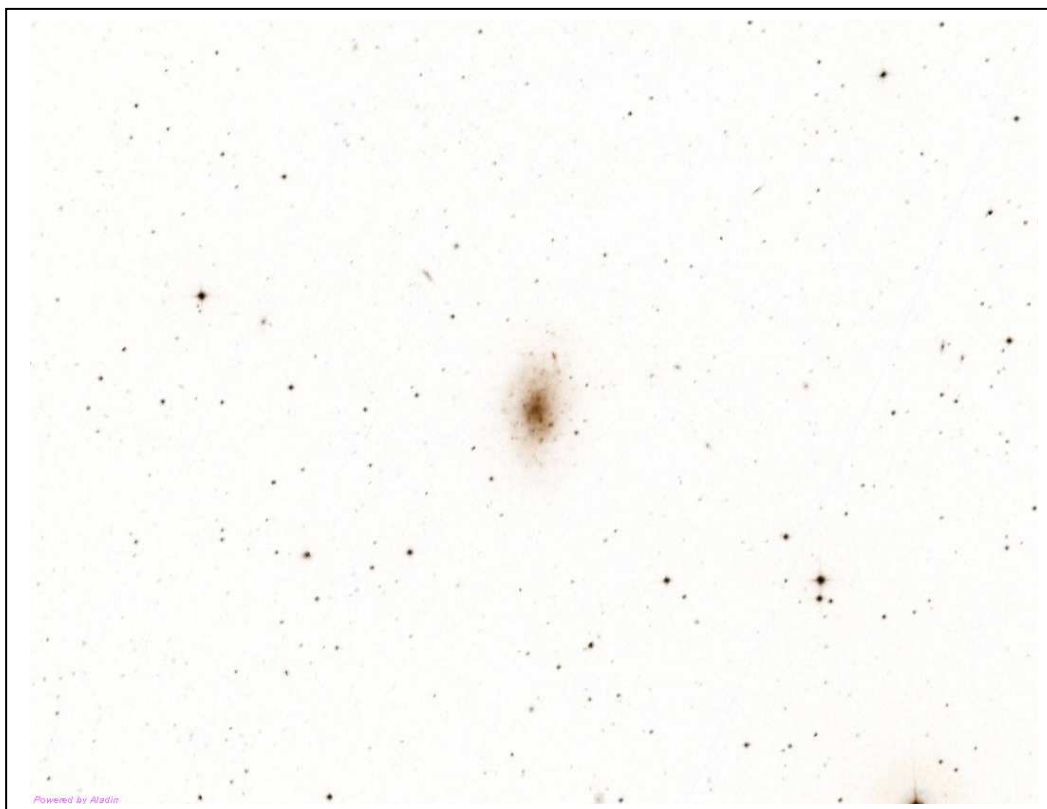
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
4814	12h 55m 21.9s	+58° 20' 38"	Sb II	3.1'X2.3'	11,6

NGC 5109



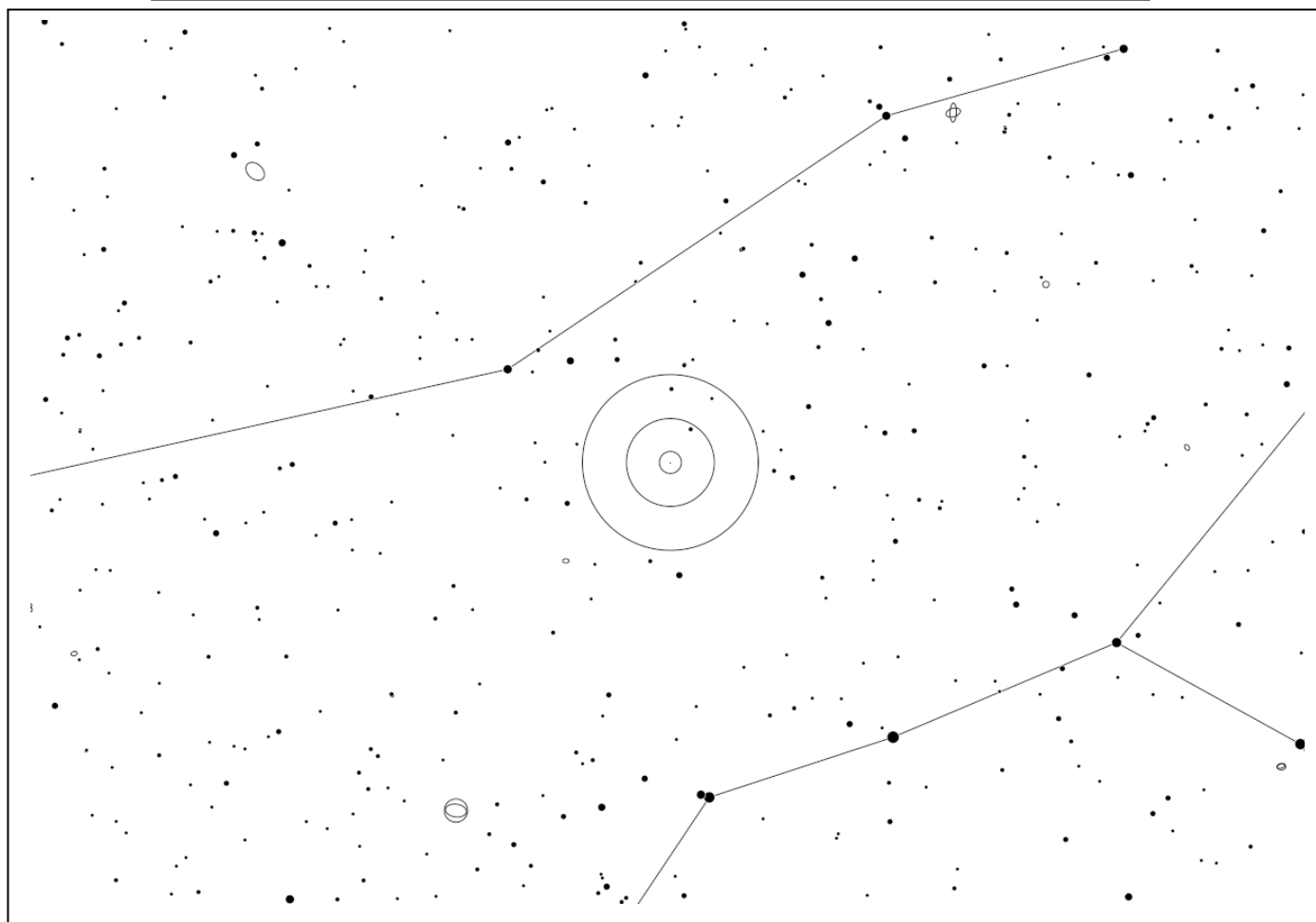
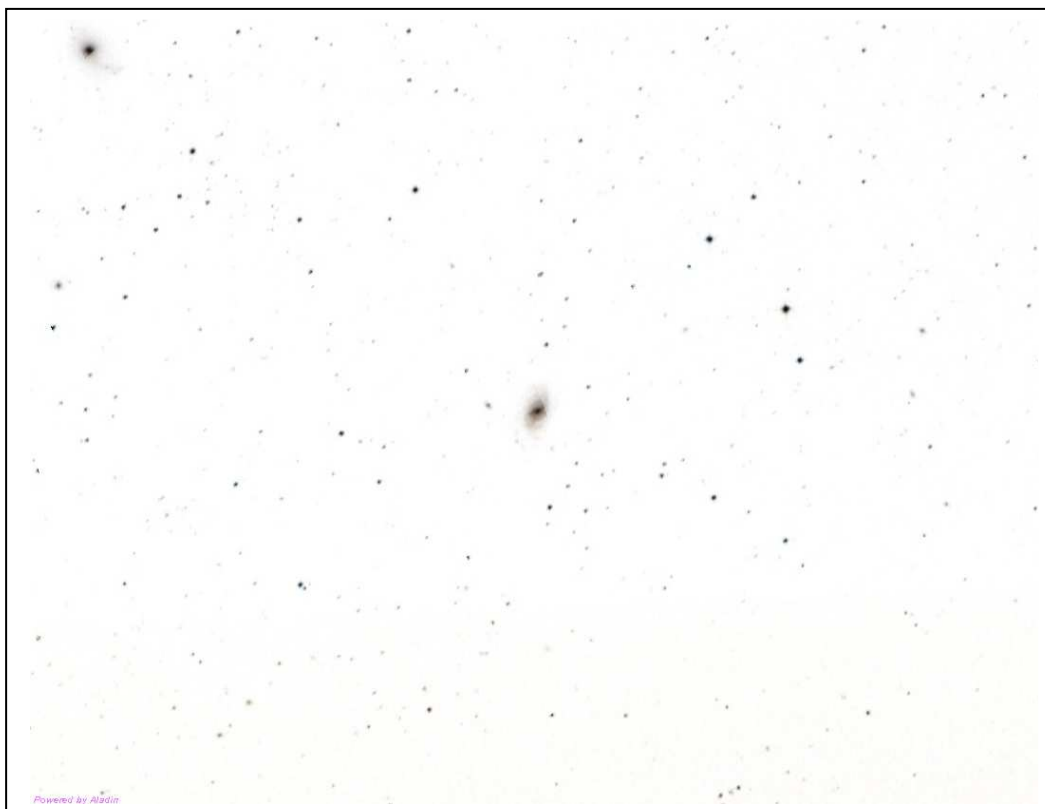
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5109	13h 20m 52.7s	+57° 38' 32"	S...	1.7'X0.5'	12,9

NGC 5204



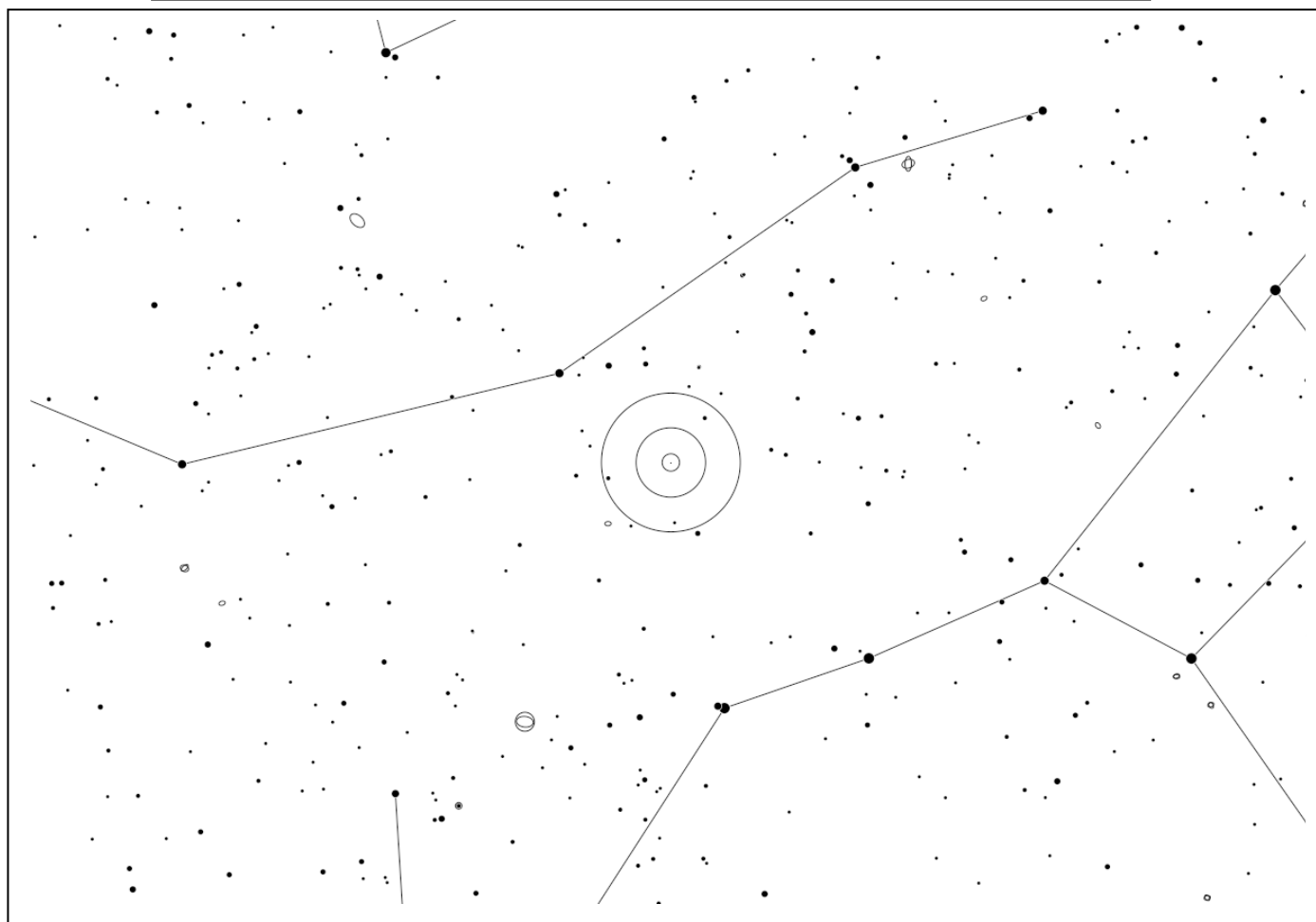
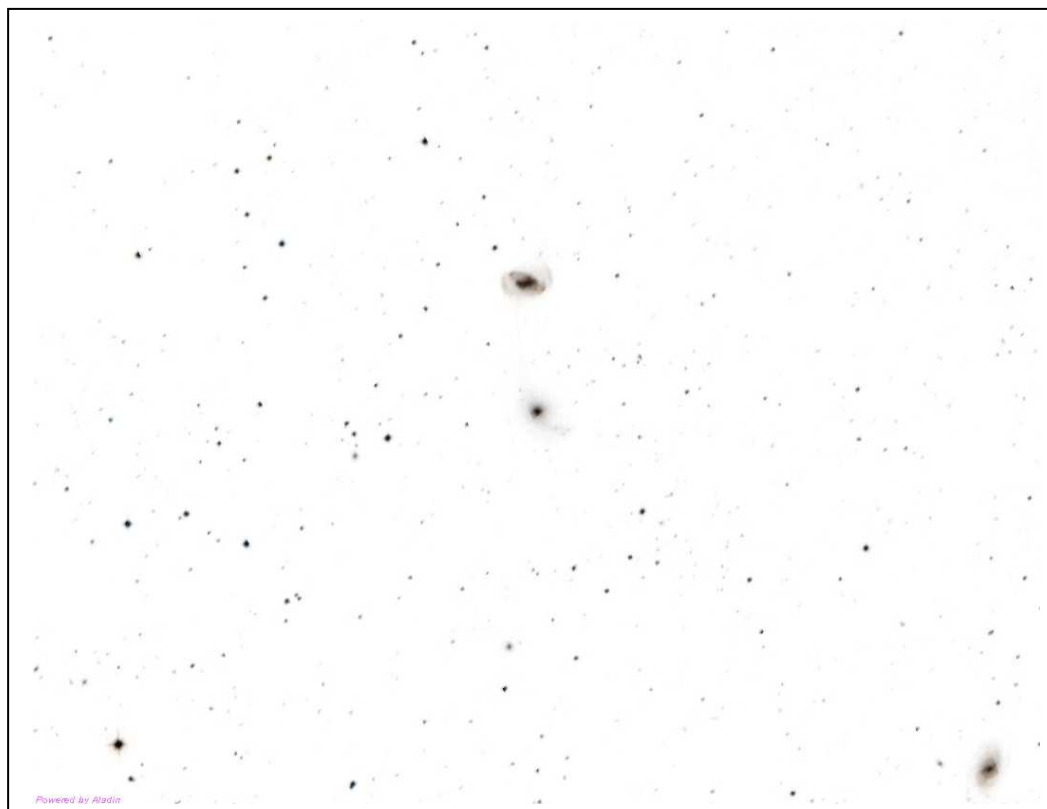
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5204	13h 29m 36.5s	+58° 25' 08"	Sm IV	5.0'X3.0'	11,3

NGC 5205



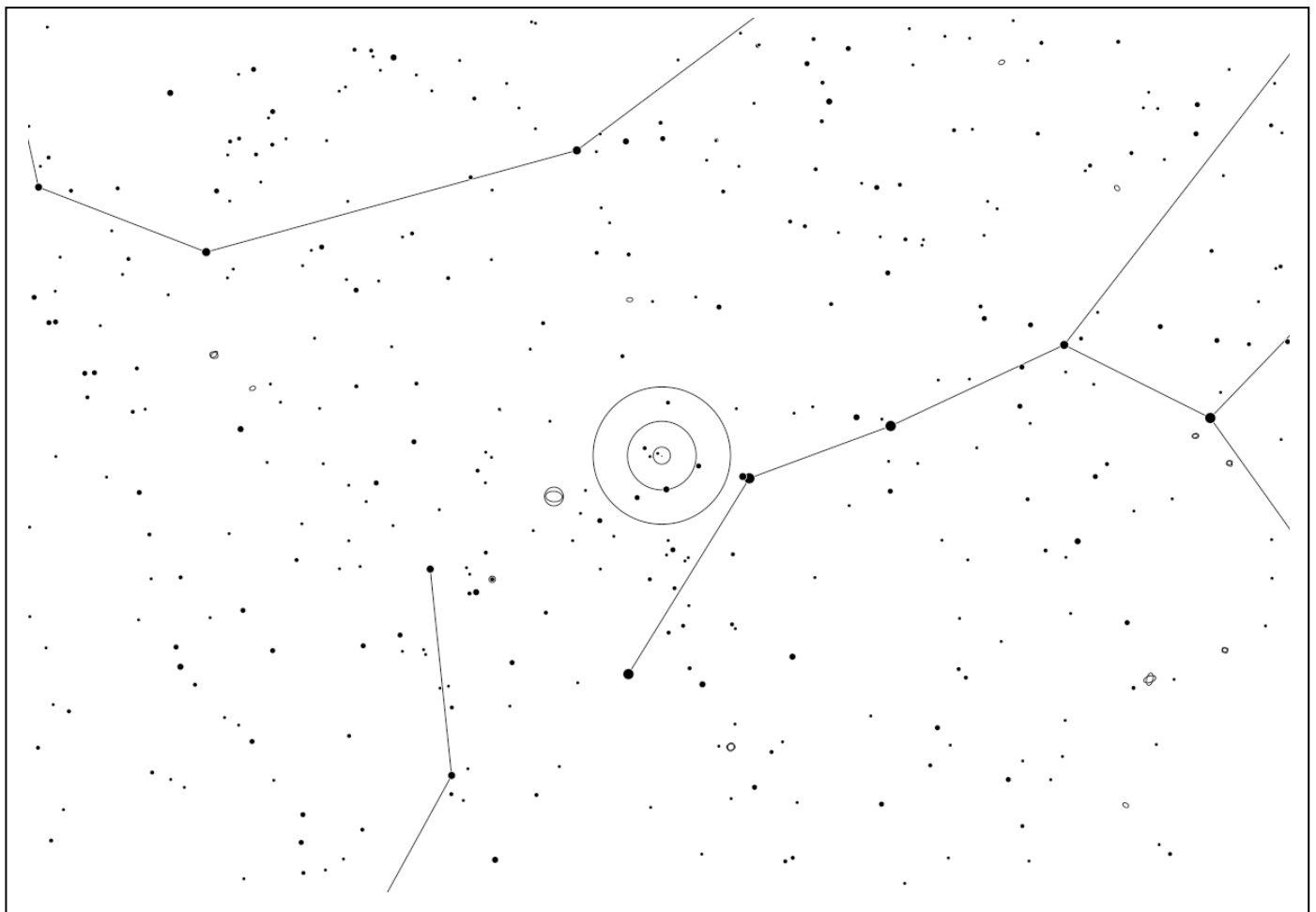
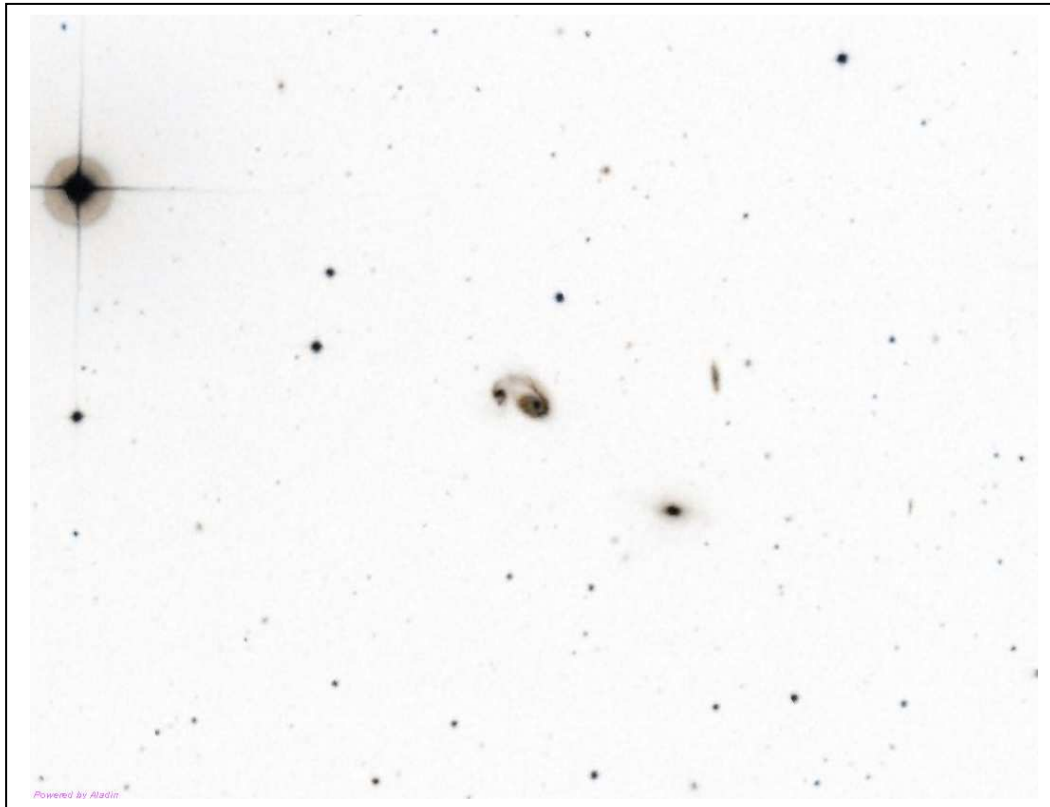
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5205	13h 30m 03.5s	+62° 30' 42"	Sb	3.2'X1.8'	12,4

NGC 5216(ARP104)-NGC5218



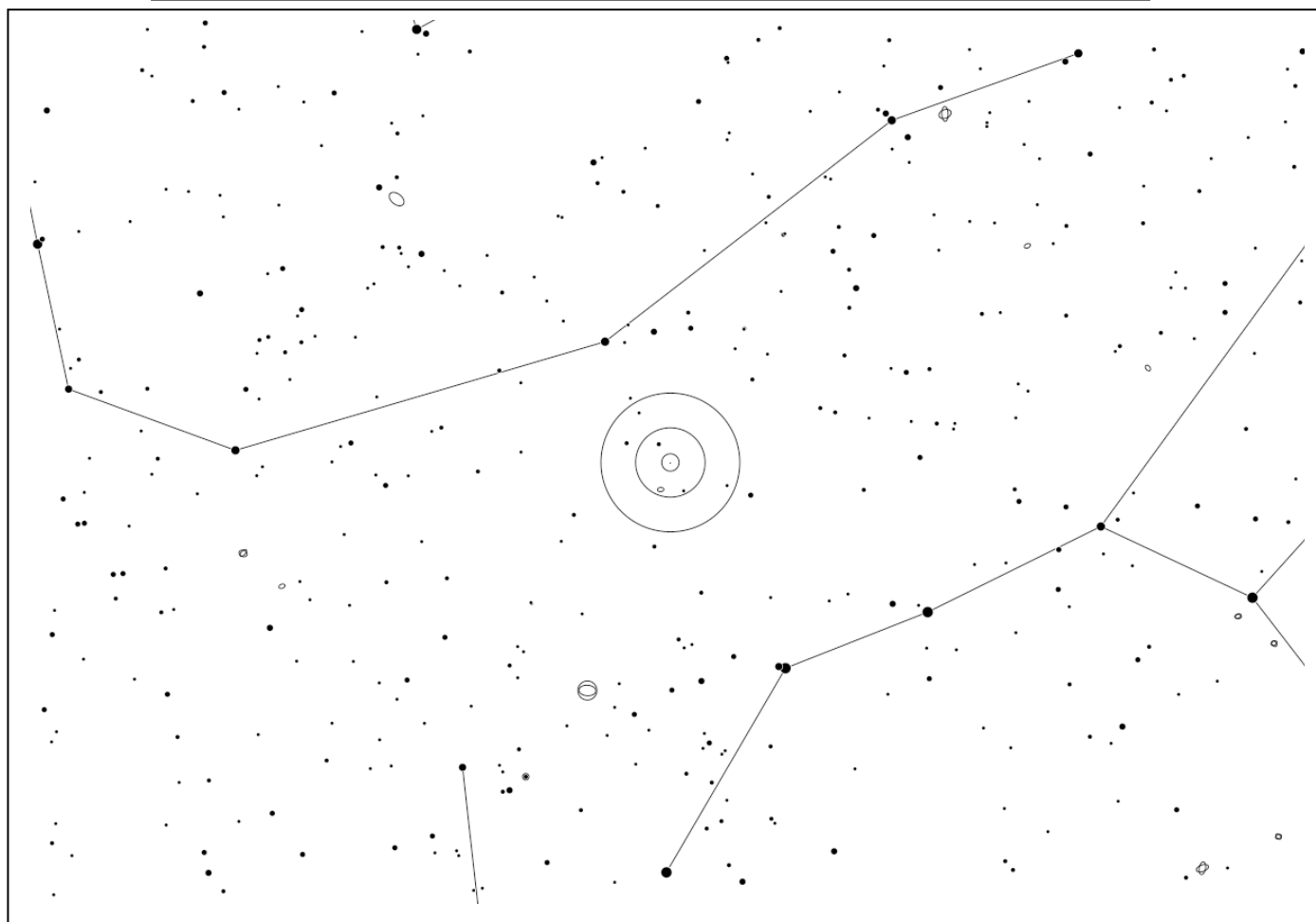
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5216	13h 32m 06.9s	+62° 42' 01"	E	2.5'X1.5'	12,7
5218	13h 32m 10.3s	+62° 46' 03"	SBb/P	1.8'X1.3'	12,5

NGC5278(ARP239)



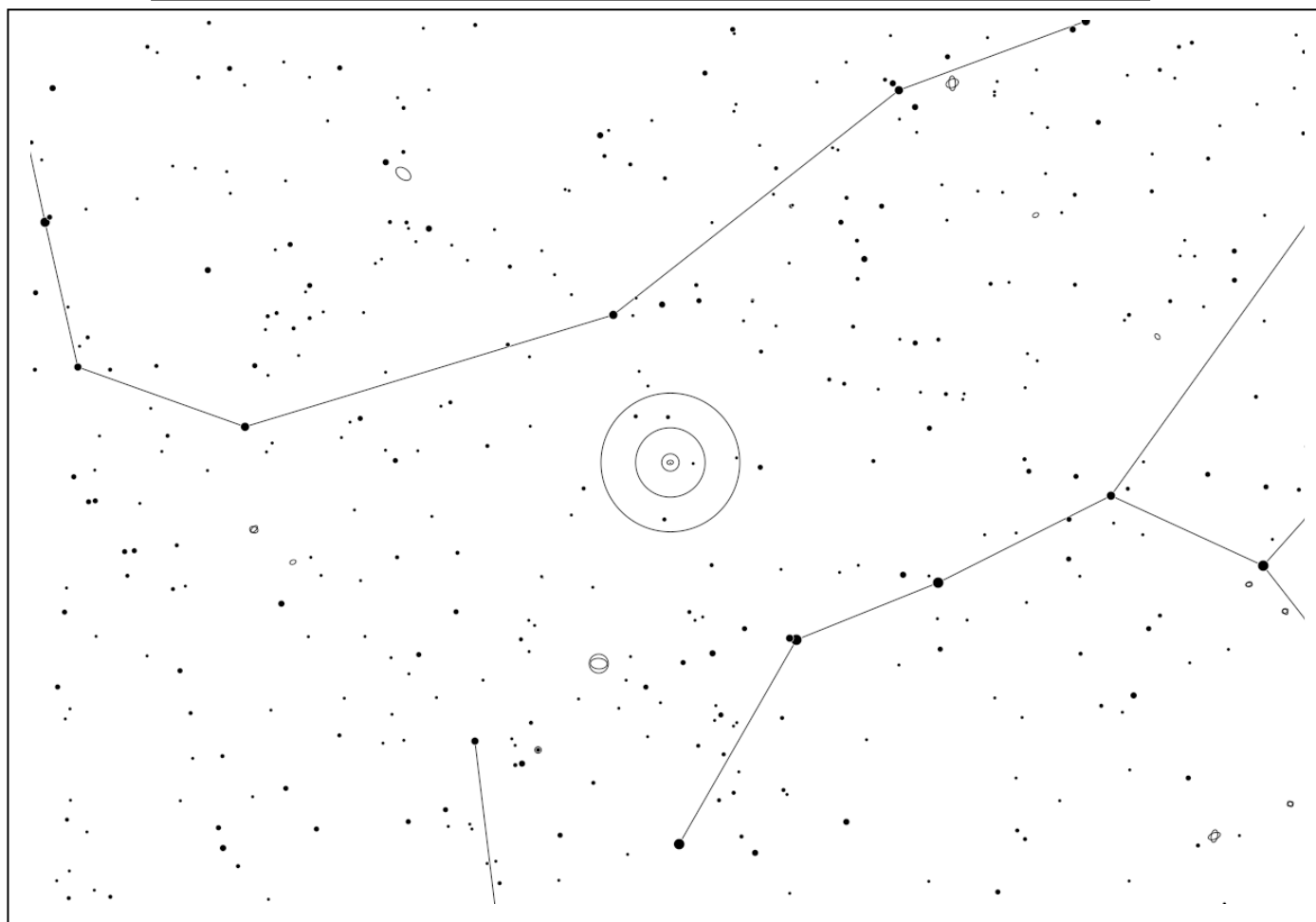
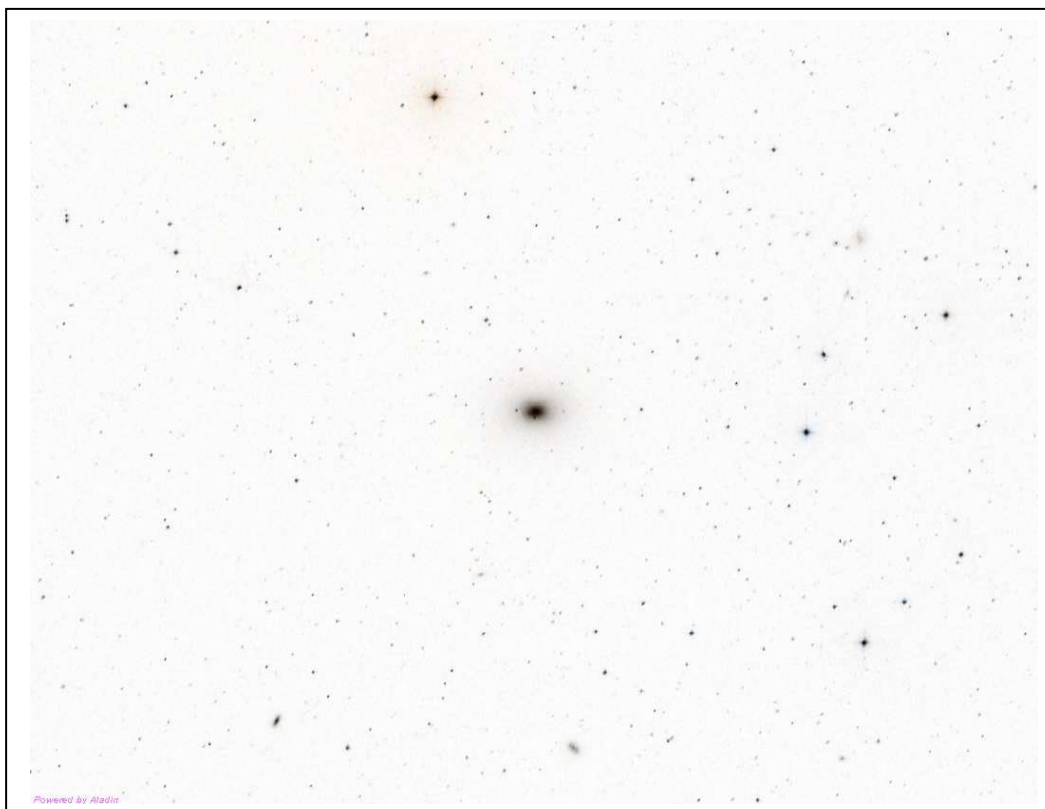
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5278	13h 41m 39.7s	+55° 40' 14"	Sb pec	1.3'X1.0'	12,9

NGC 5308



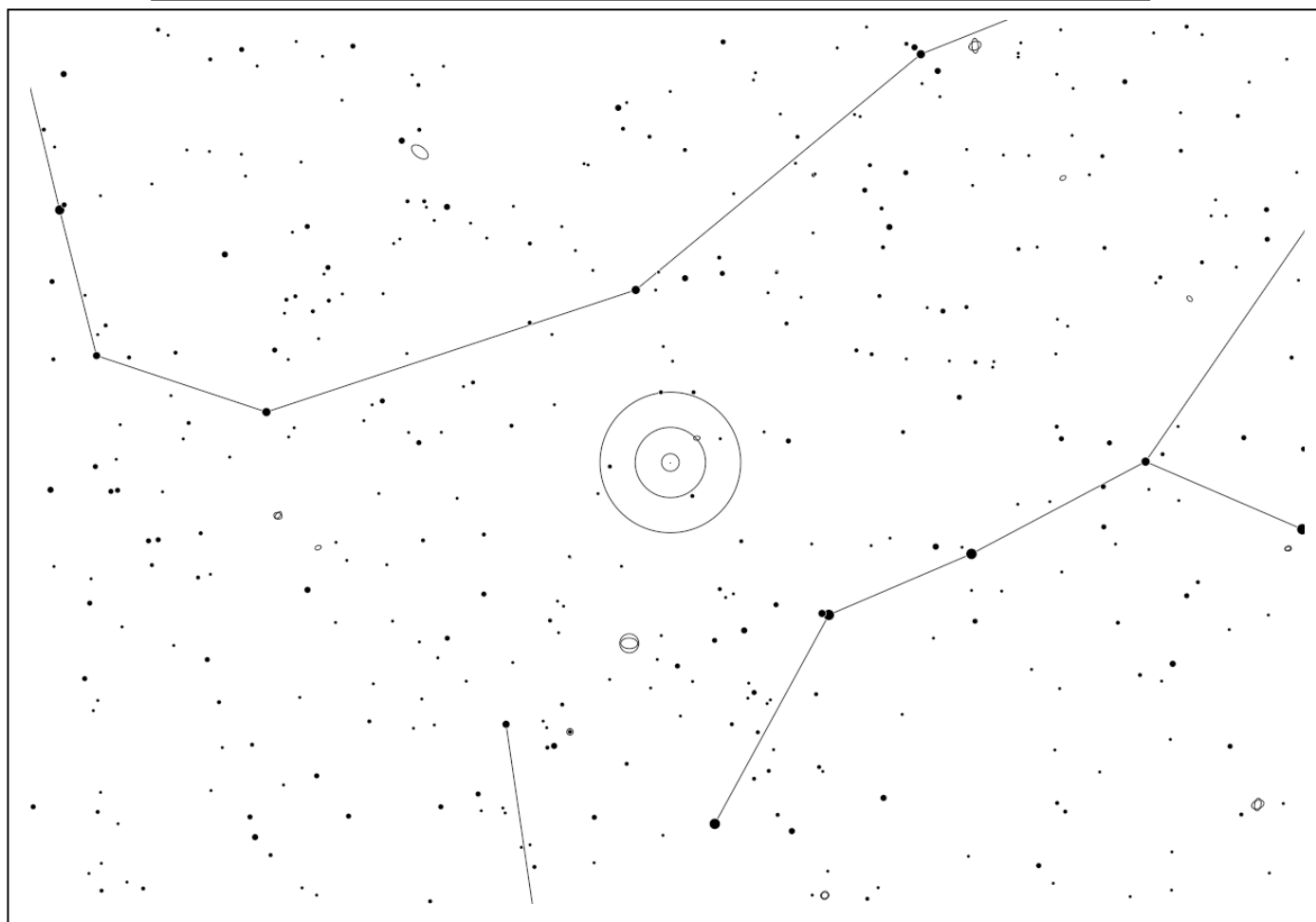
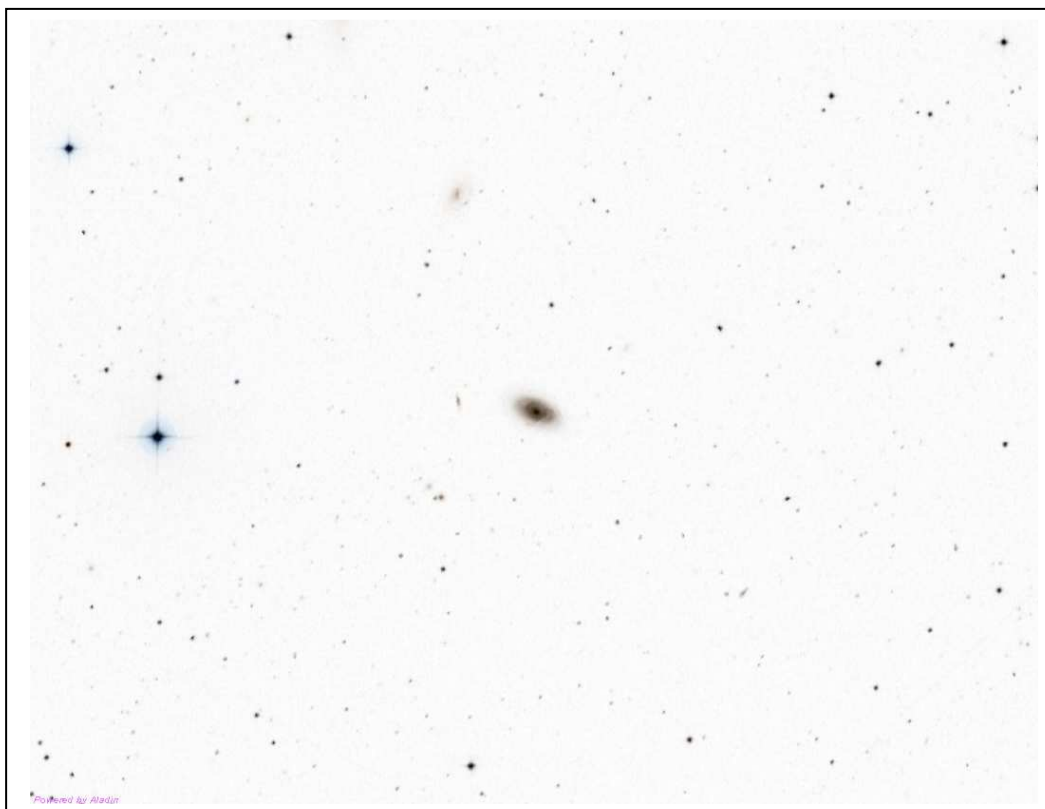
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5308	13h 47m 00.5s	+60° 58' 22"	S0- sp	3.7'X0.7'	11,7

NGC 5322



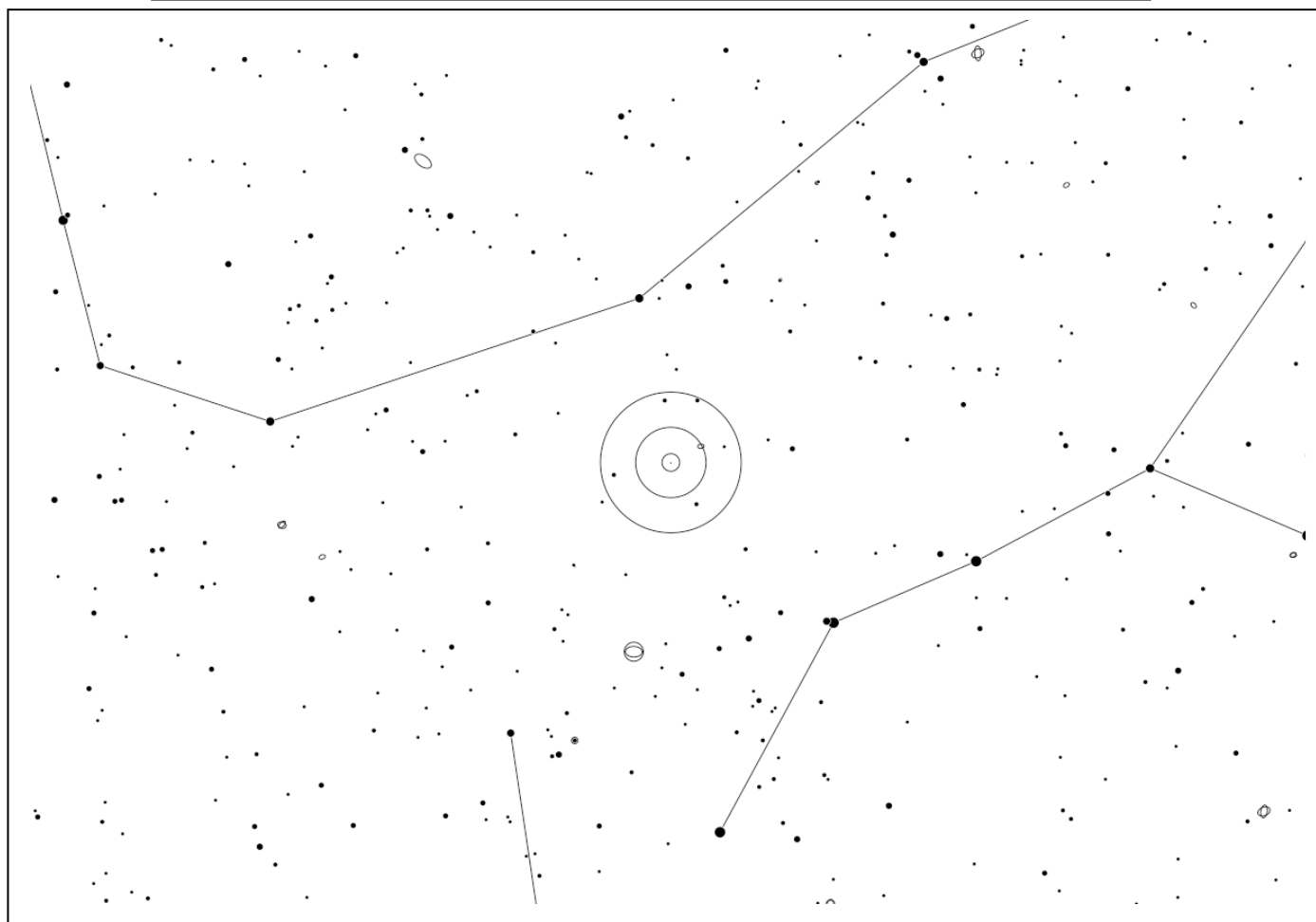
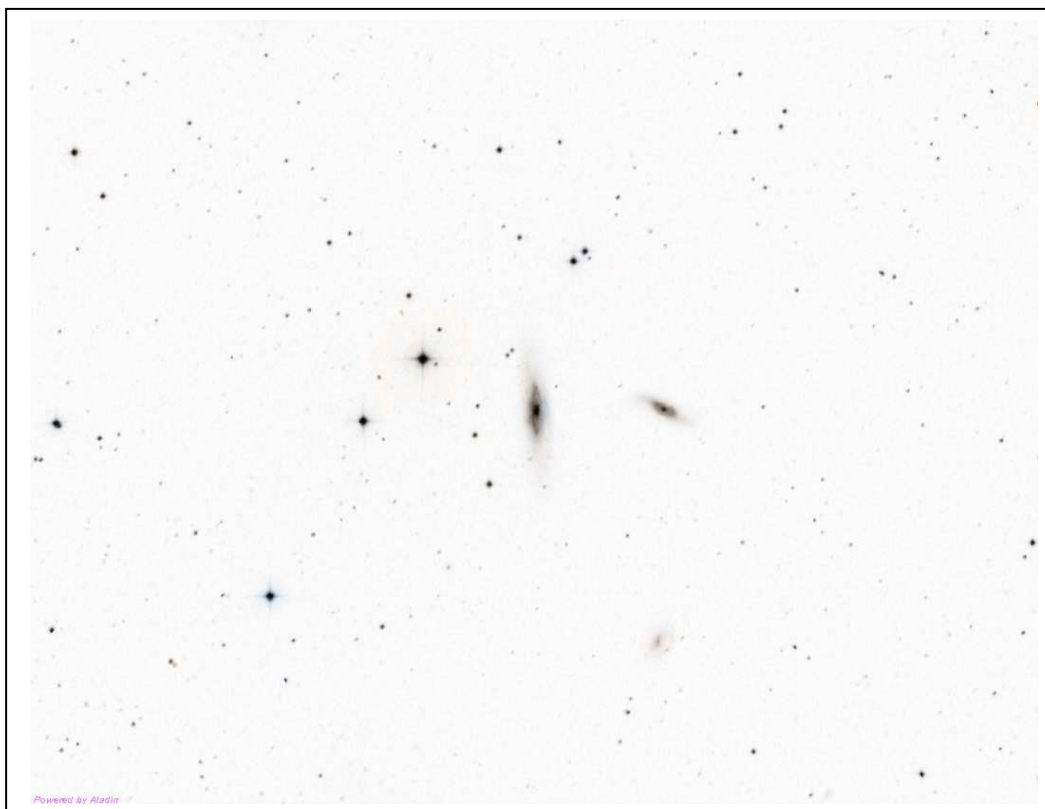
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5322	13h 49m 15.4s	+60° 11' 27"	E3+	5.9'X3.9'	10,1

NGC 5376



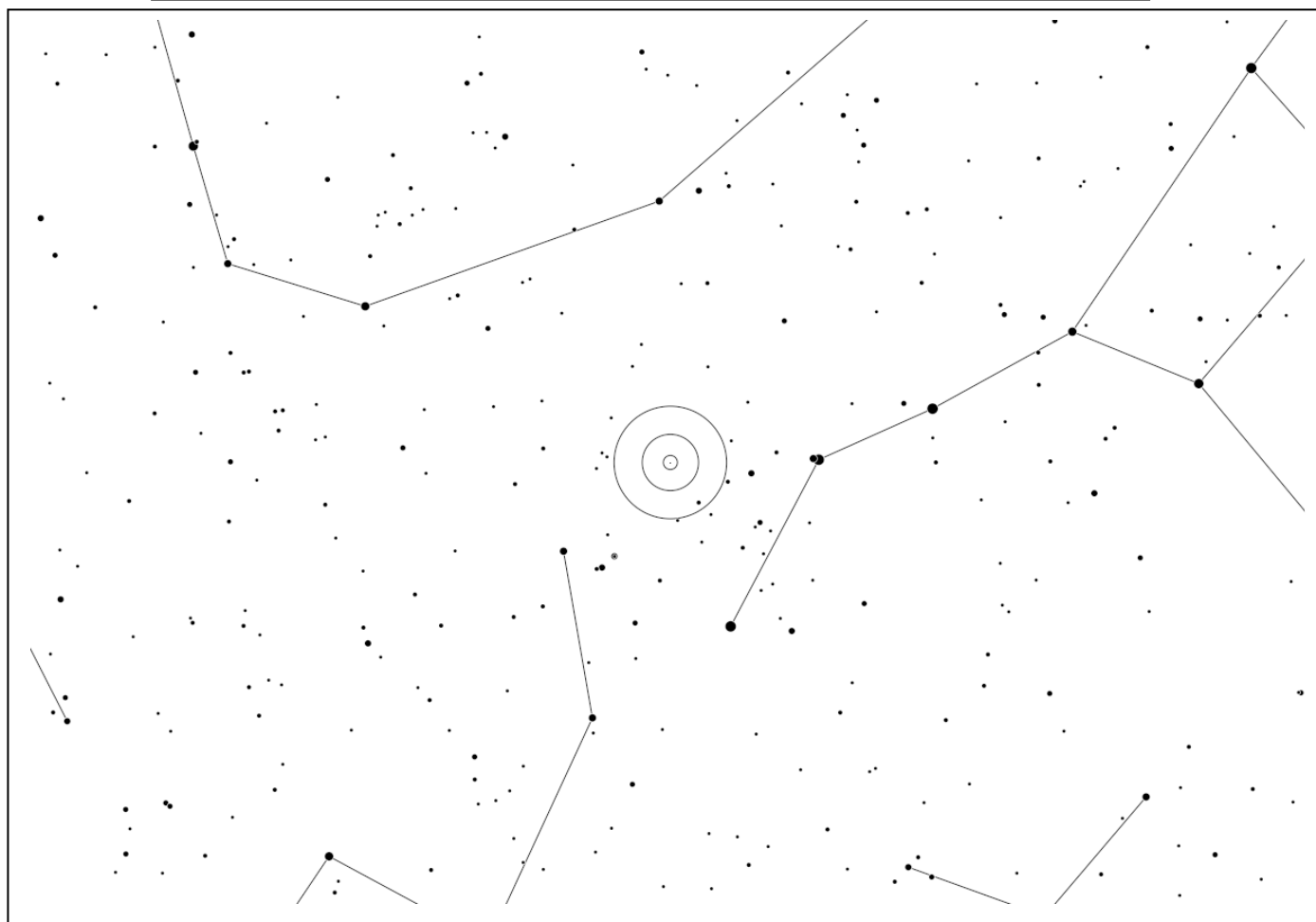
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5376	13h 55m 15.9s	+59° 30' 23"	Sa-b	2.1'X1.3'	12,3

NGC 5379-NGC5389



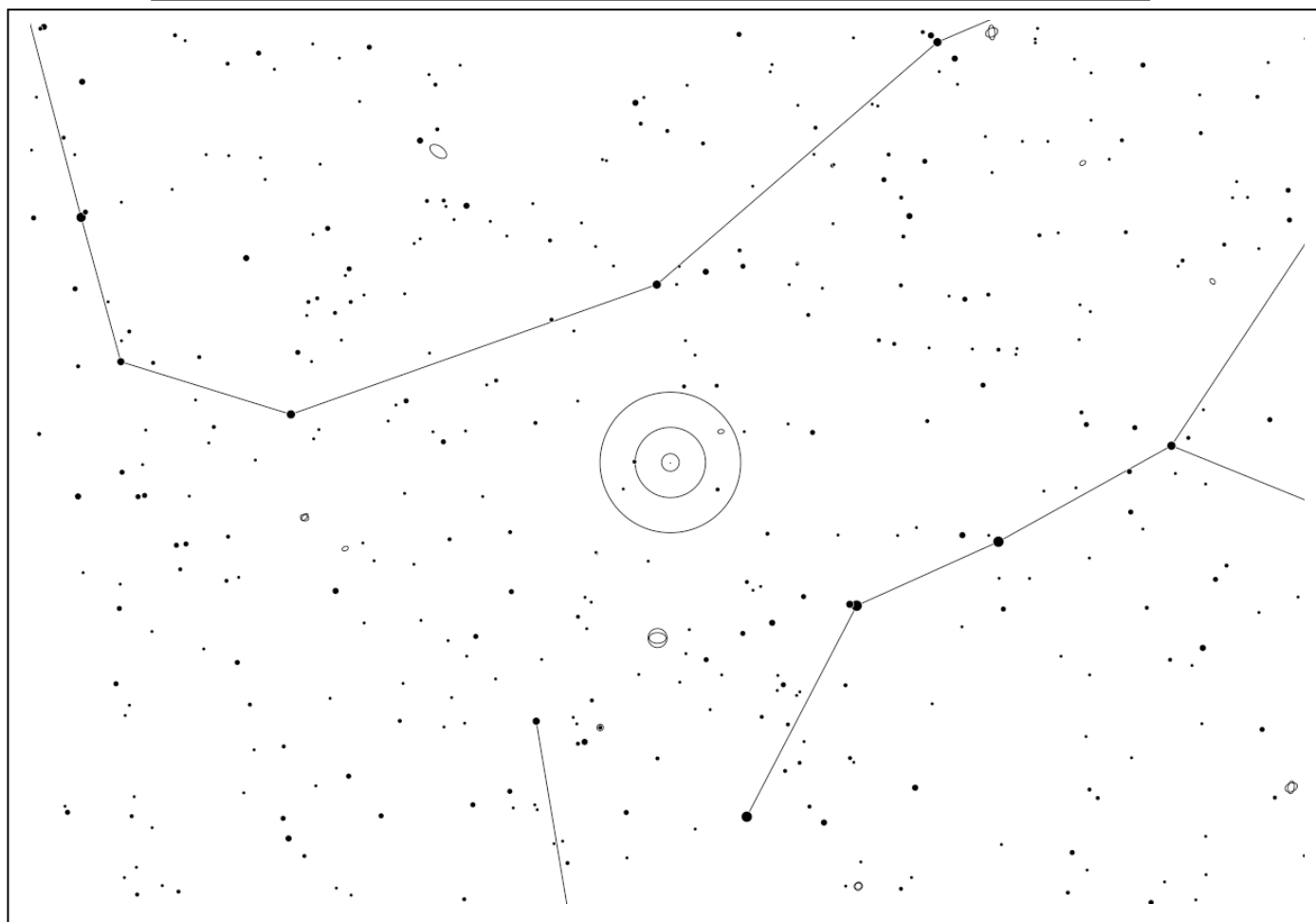
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5379	13h 55m 34.4s	+59° 44' 34"	S0	2.2'X1.0'	13
5389	13h 56m 06.5s	+59° 44' 30"	SB0-a	3.5'X1.0'	12,3

NGC 5422



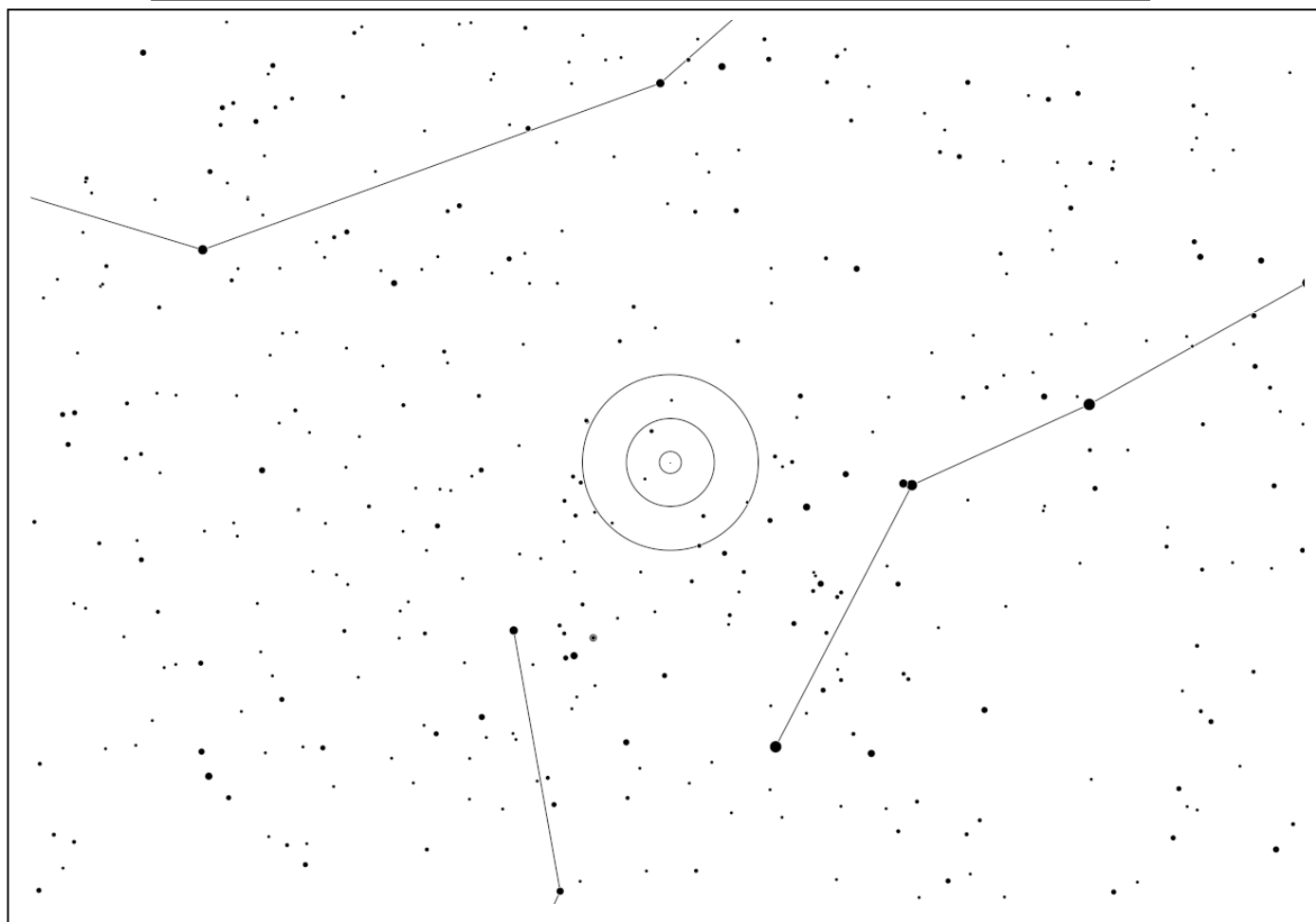
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5422	14h 00m 42.0s	+55° 09' 52"	S0-a	3.9'X0.7'	11,9

NGC 5430



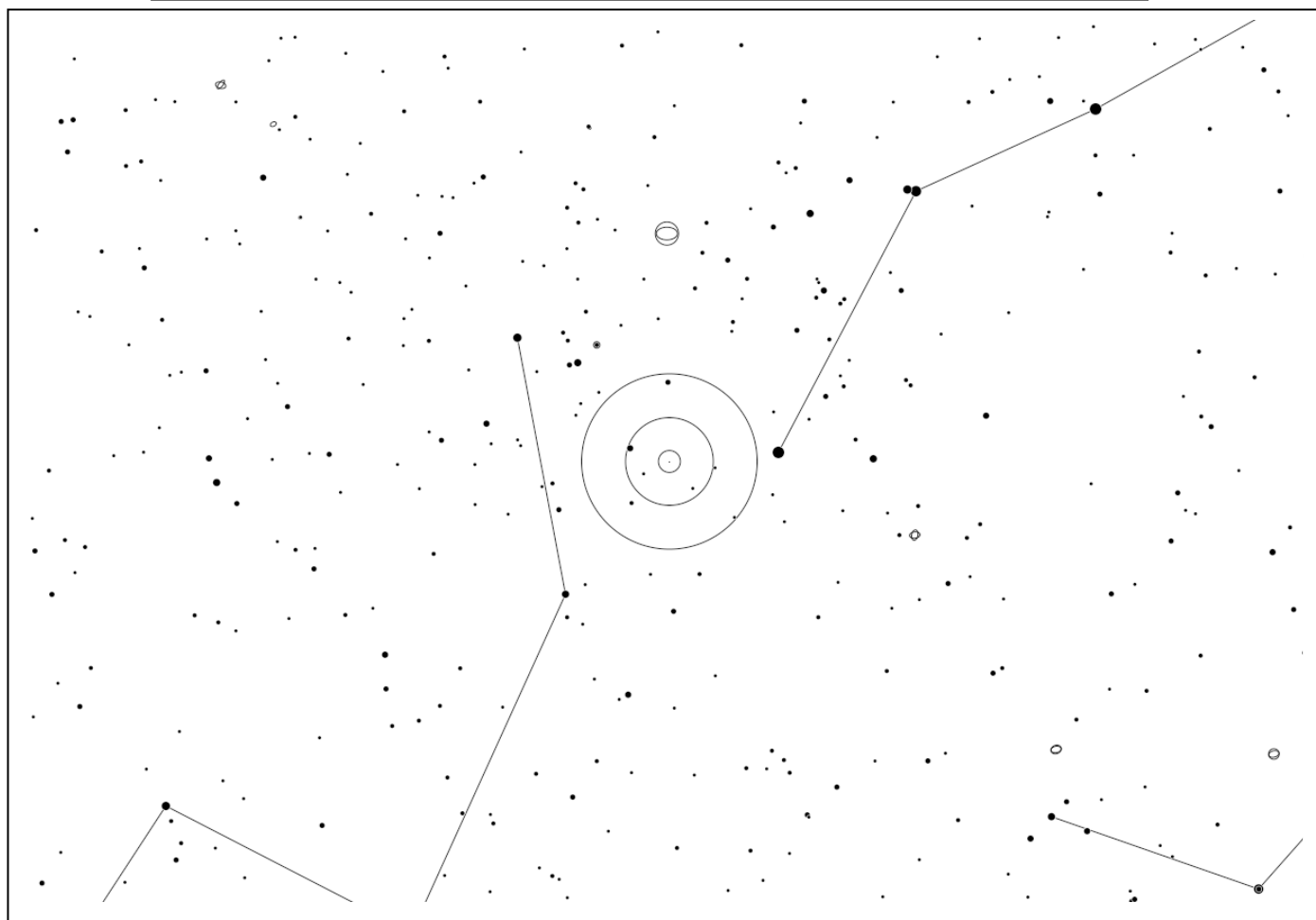
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5430	14h 00m 45.7s	+59° 19' 43"	SBb	2.2'X1.1'	12,1

NGC 5443



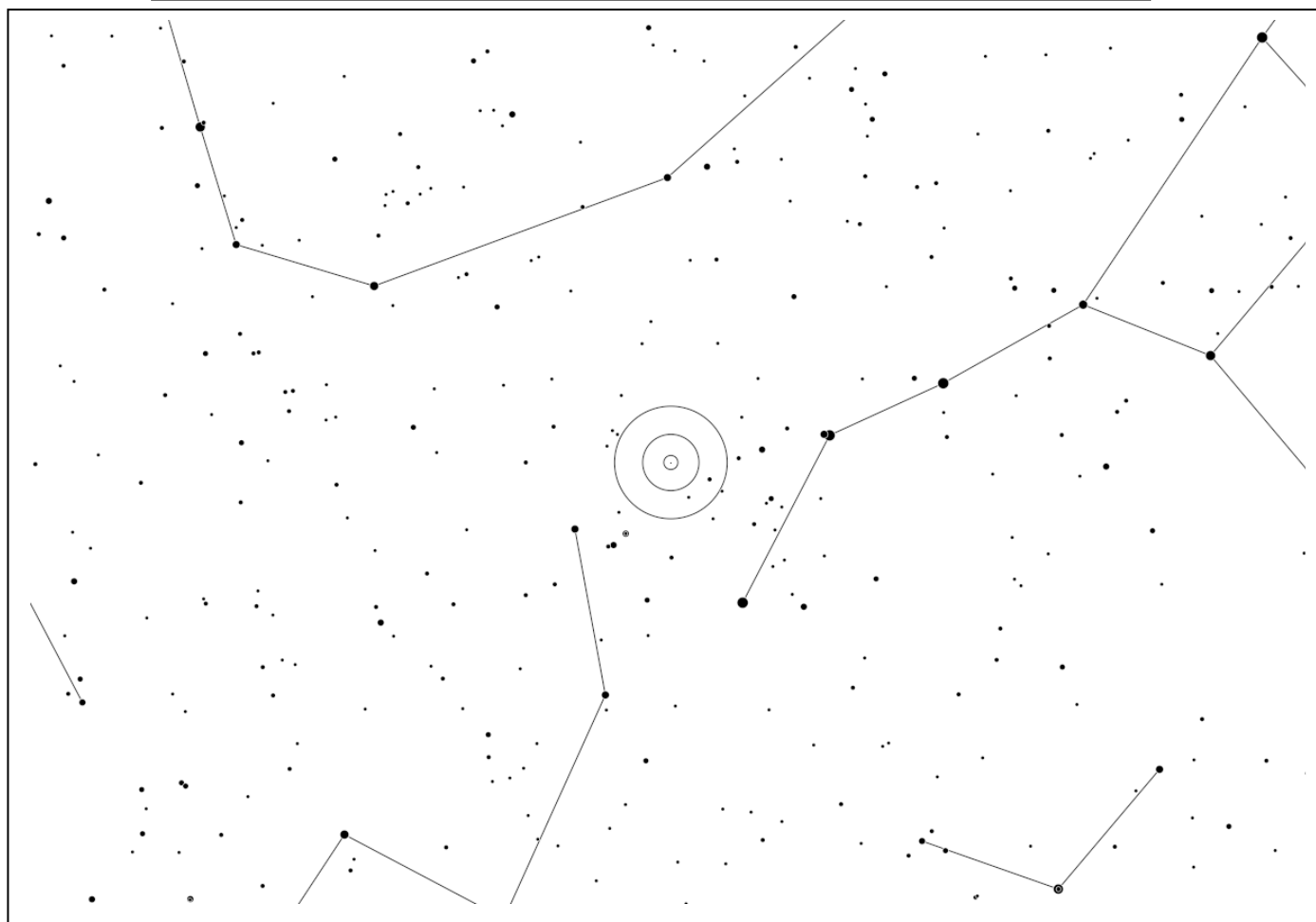
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5443	14h 02m 11.5s	+55° 48' 52"	SBb	2.7'X1.0'	12,5

NGC 5448



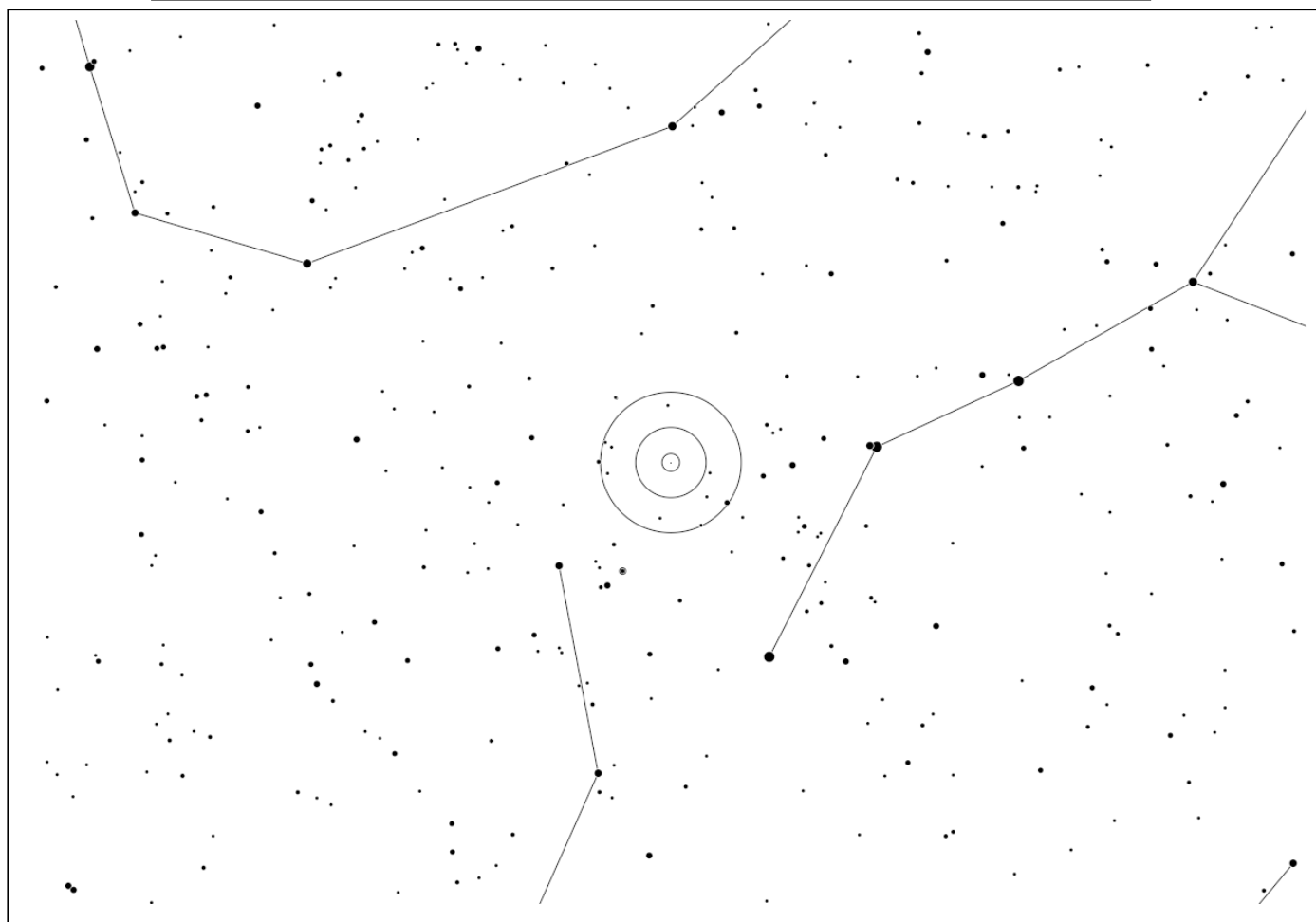
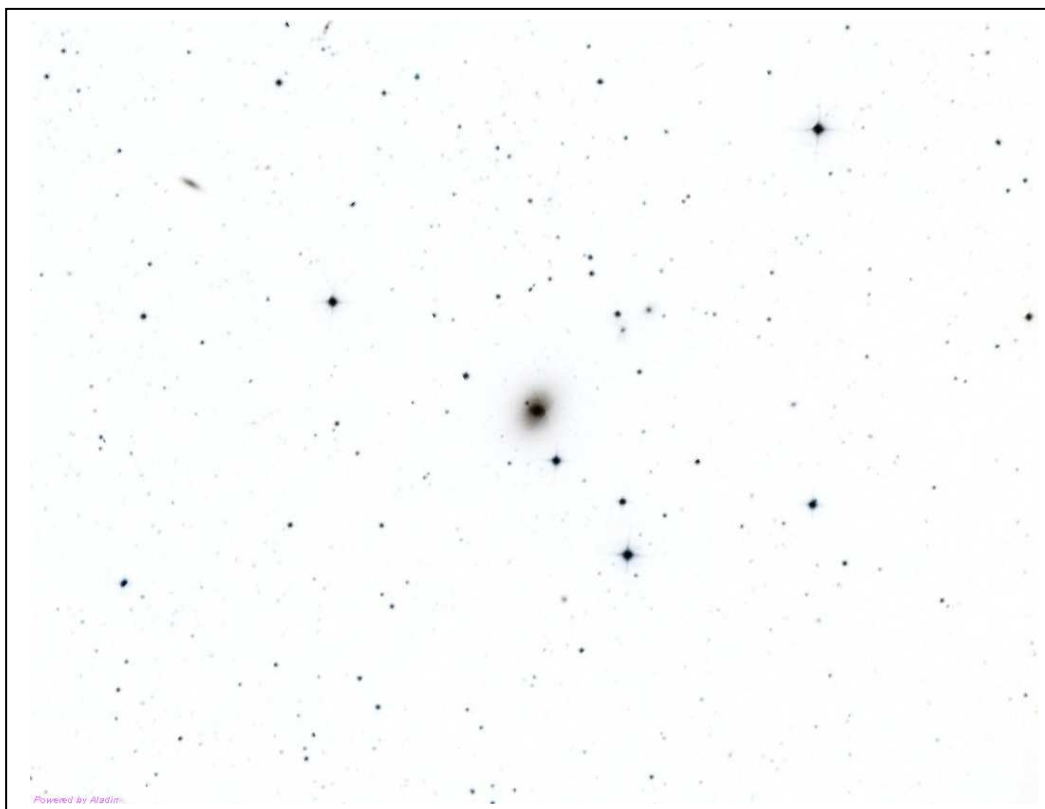
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5448	14h 02m 49.9s	+49° 10' 21"	SBb	4.0'X1.8'	11,6

M 101(NGC 5457)



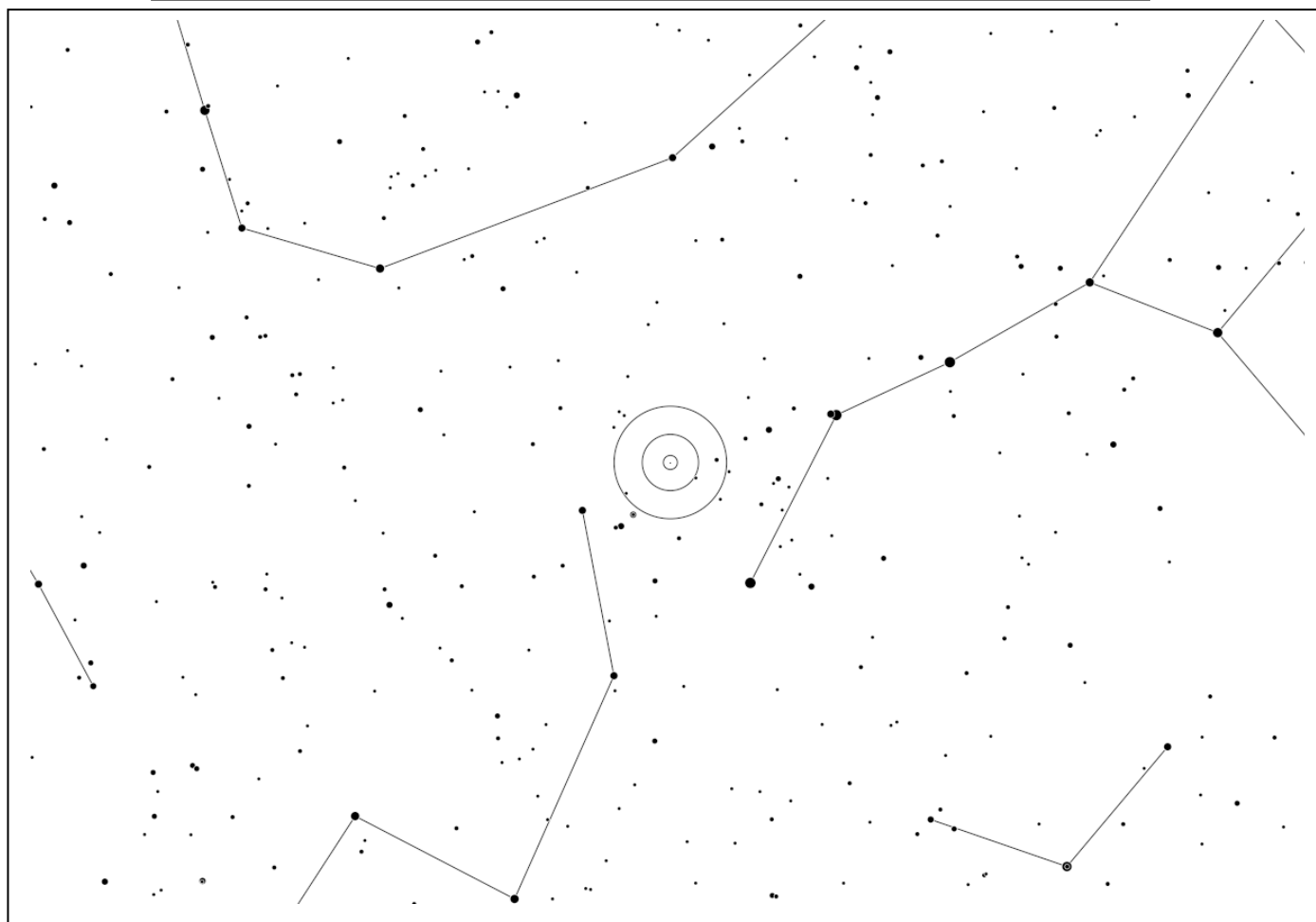
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5457	14h 03m 12.4s	+54° 20' 55"	SBc I	28.8'X26.9'	7,5

NGC 5473



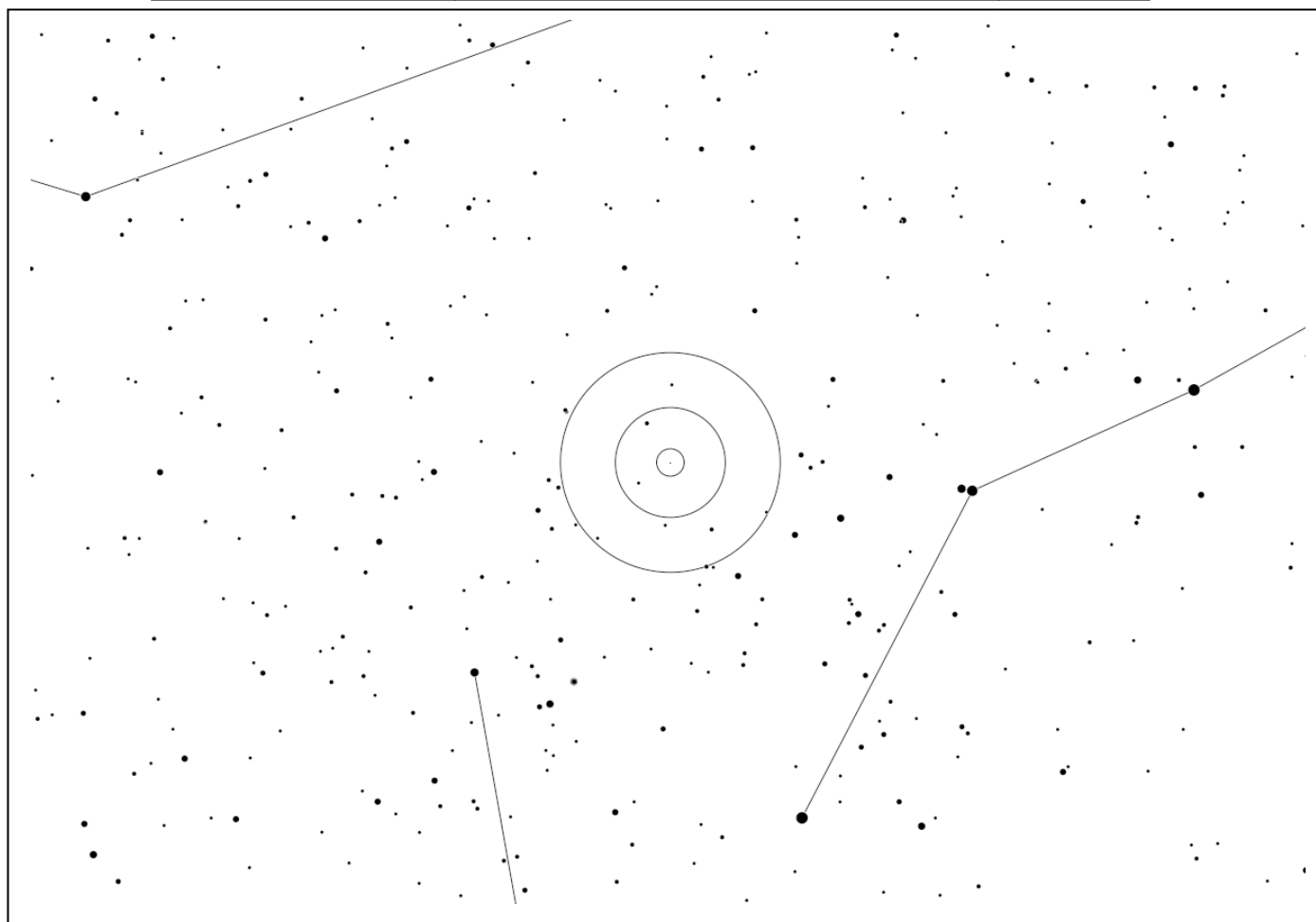
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5473	14h 04m 43.2s	+54° 53' 32"	S0	2.3'X1.7'	11,5

NGC 5474



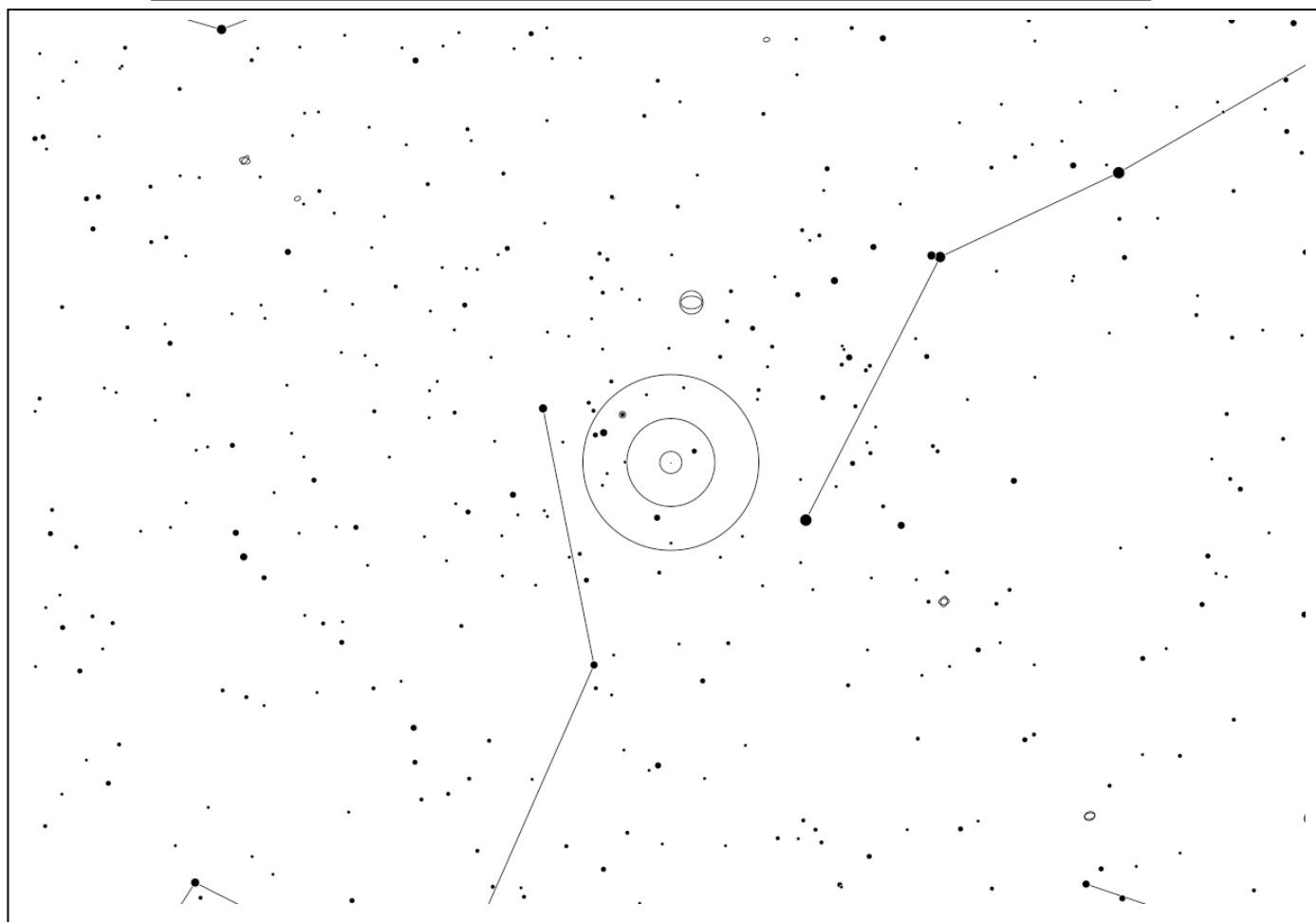
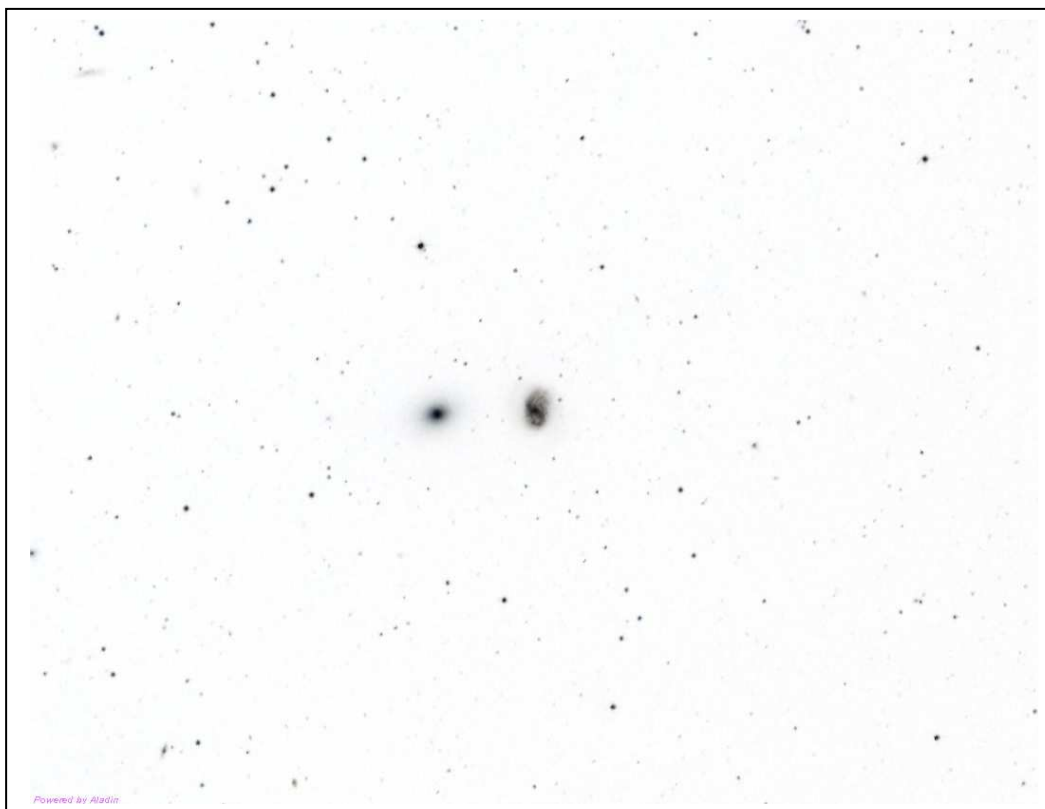
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5474	14h 05m 01.5s	+53° 39' 44"	Sc	4.8'X4.3'	11

NGC 5475



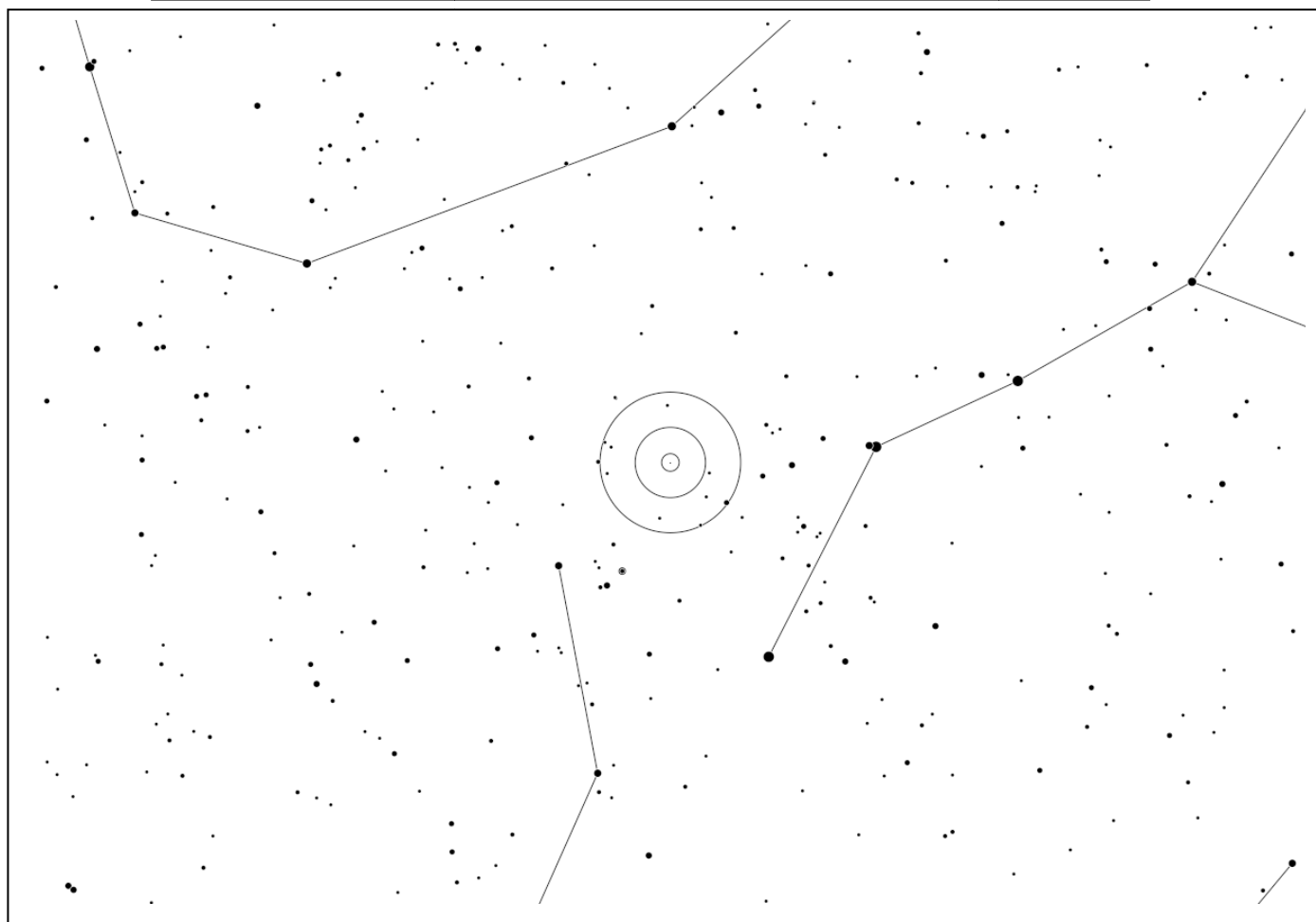
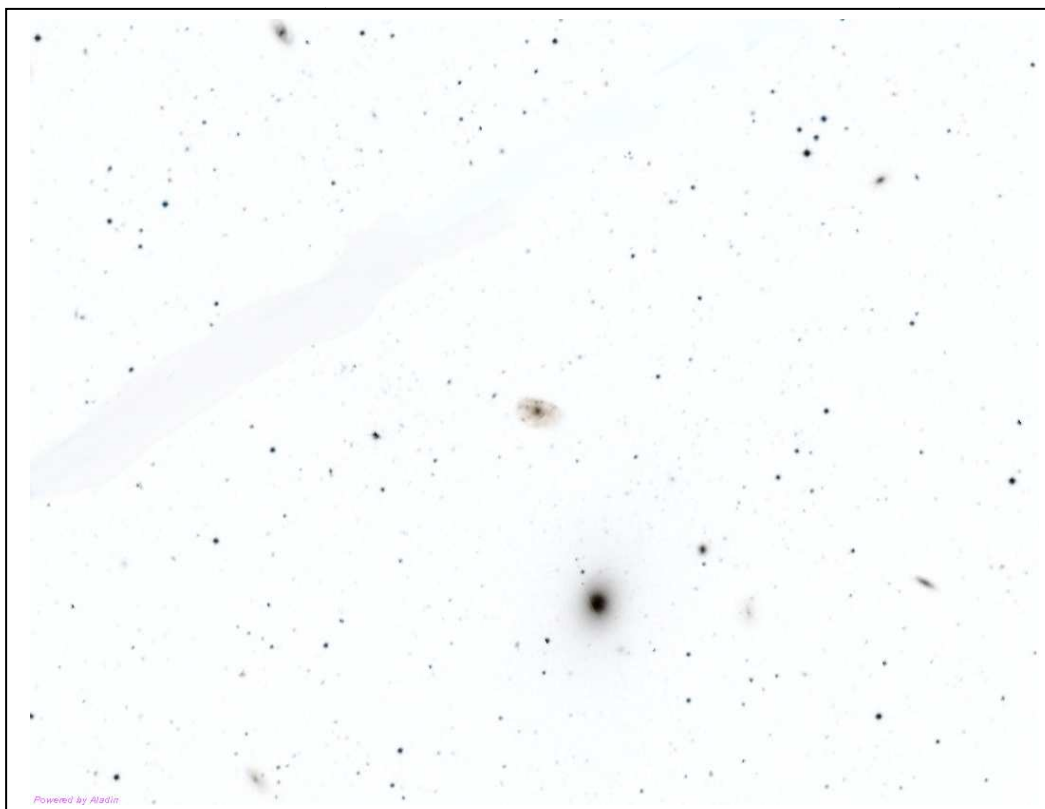
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5475	14h 05m 12.3s	+55° 44' 31"	Sa	2.0'X0.5'	12,8

NGC 5480-NGC5481



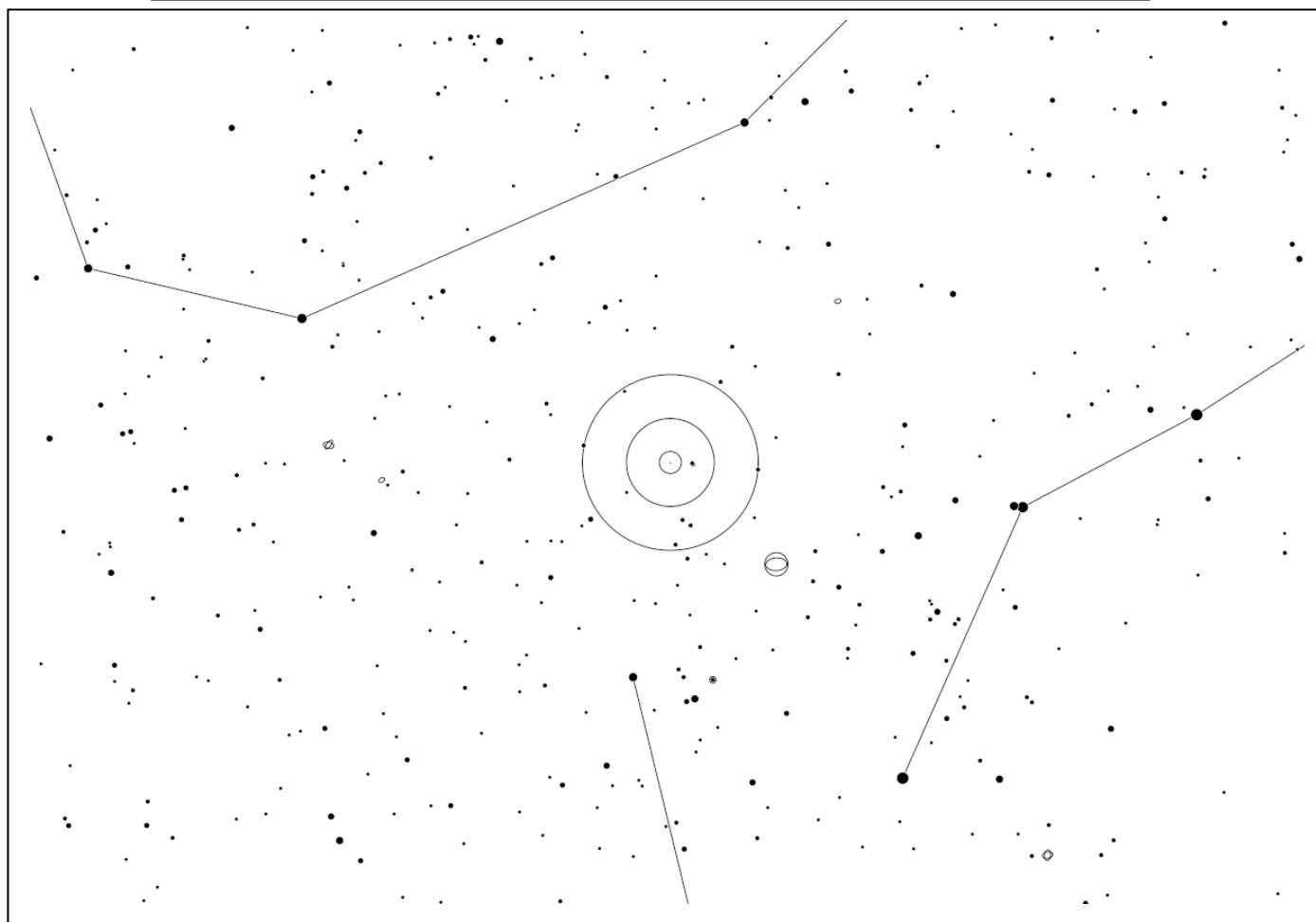
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5480	14h 06m 21.4s	+50° 43' 31"	Sc? I-II	1.7'X1.1'	12,3
5481	14h 06m 41.2s	+50° 43' 23"	E	1.8'X1.5'	12,4

NGC 5485-NGC5486



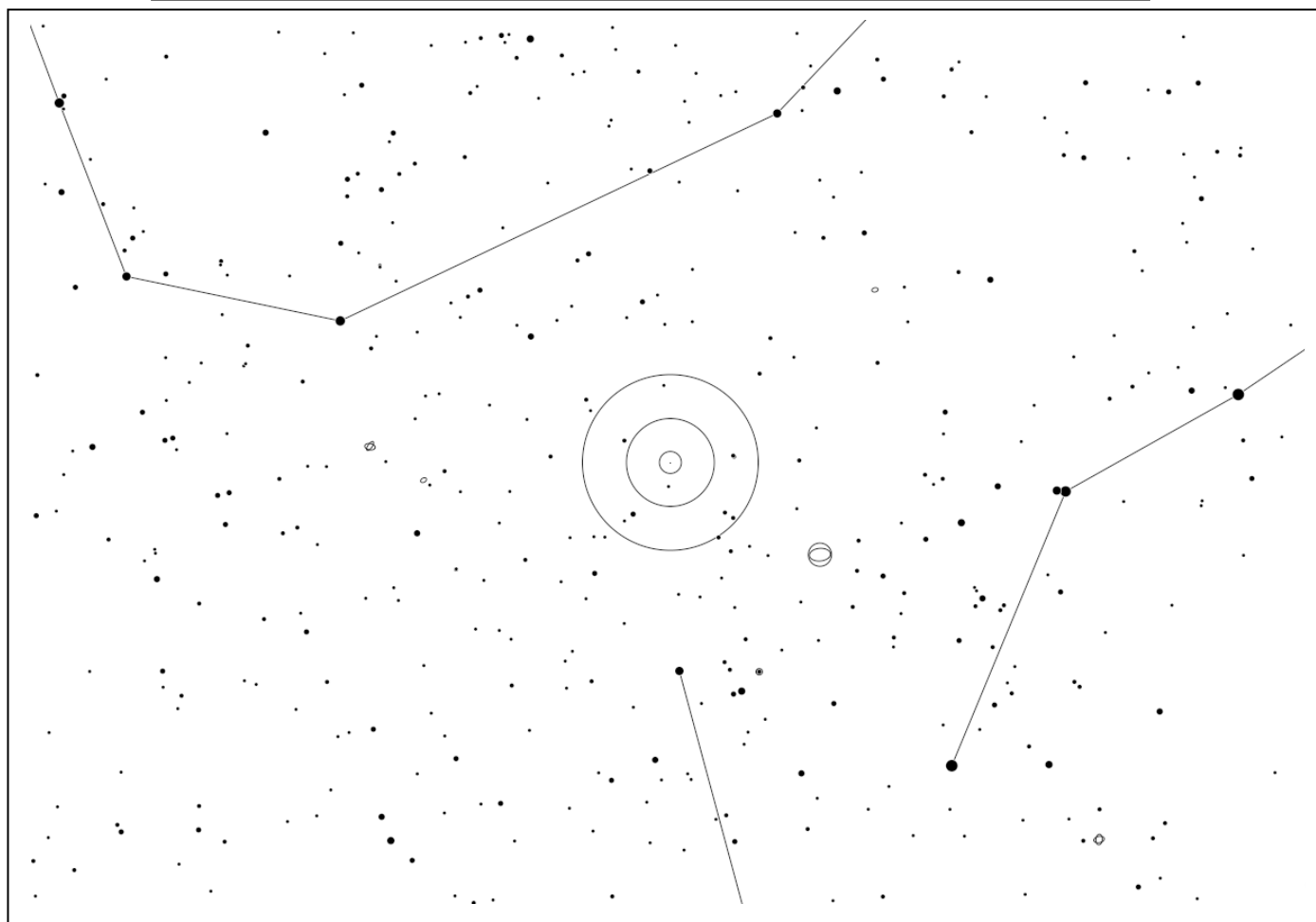
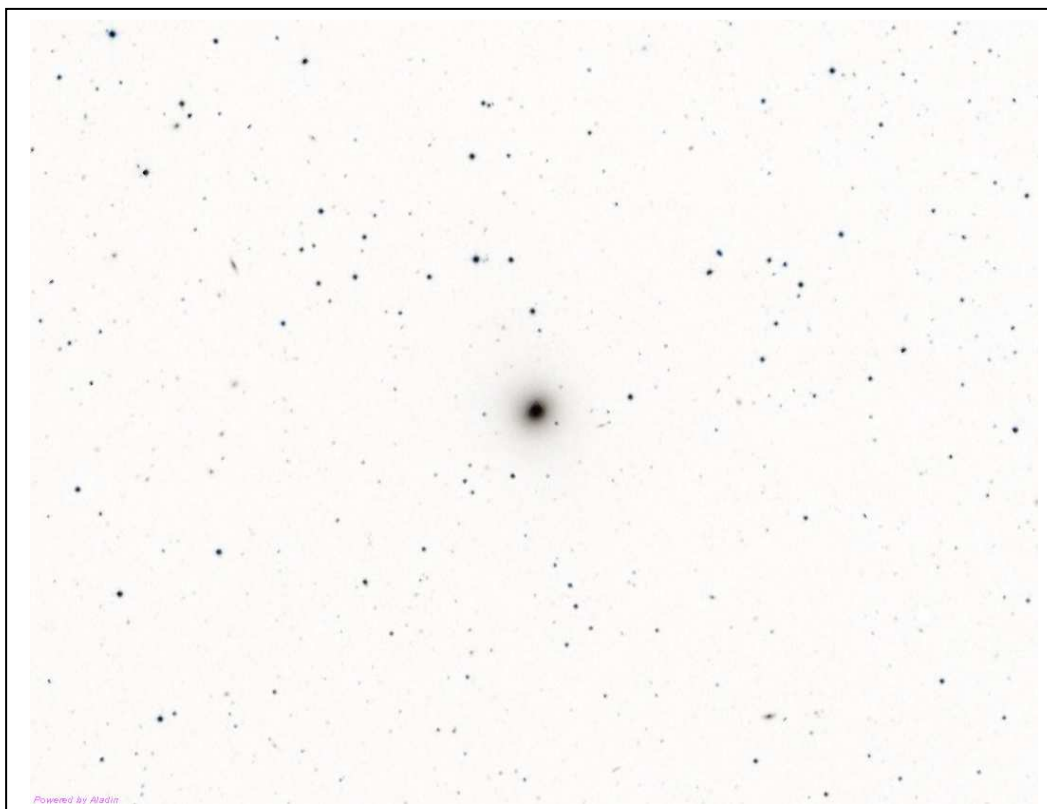
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5485	14h 07m 11.3s	+55° 00' 05"	S0	2.3'X1.9'	11,5
5486	14h 07m 24.9s	+55° 06' 11"	Sc-Irr	1.9'X1.2'	13,4

NGC 5585



NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5585	14h 19m 47.8s	+56° 43' 46"	Sc IV	5.8'X3.7'	11

NGC 5631



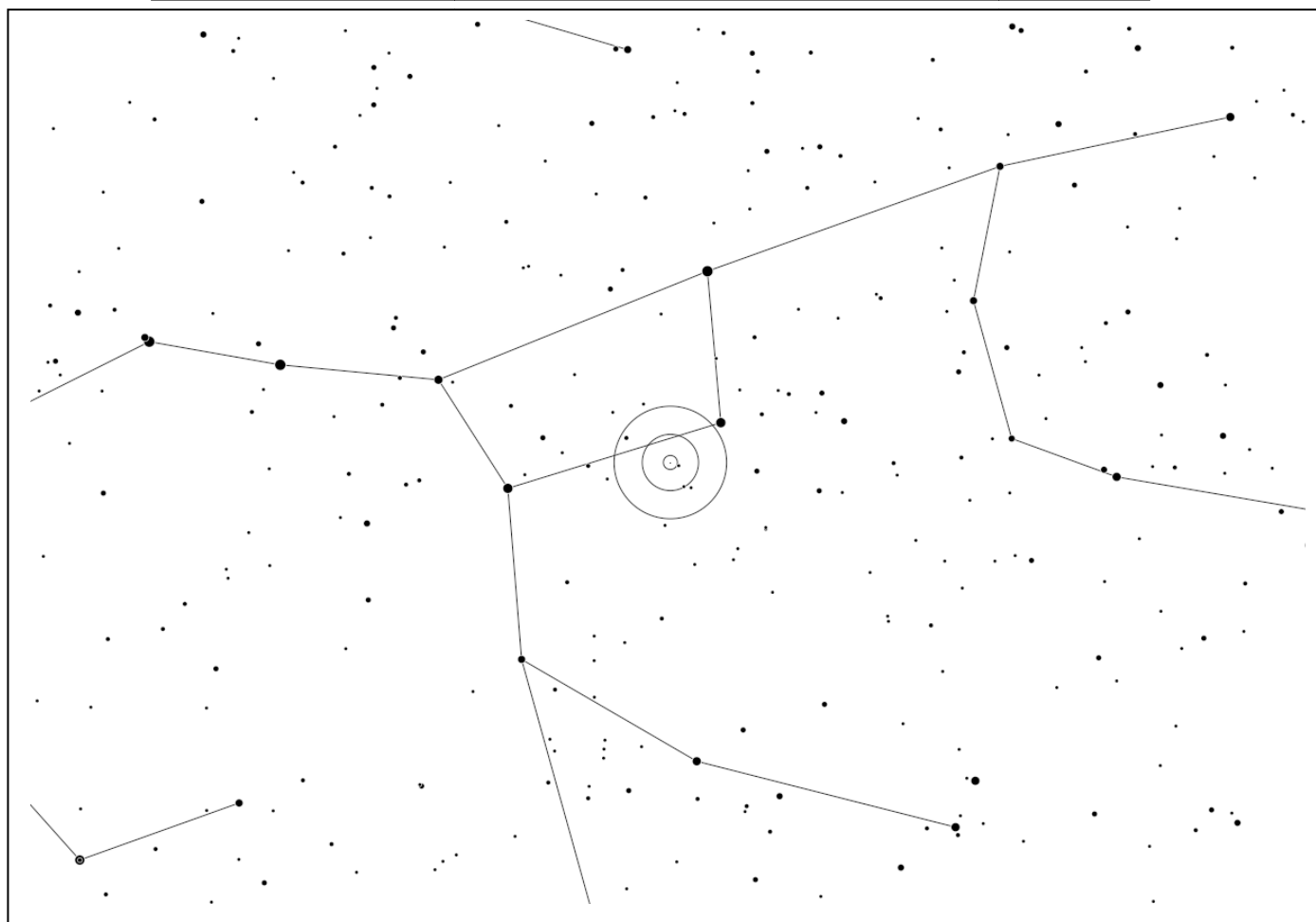
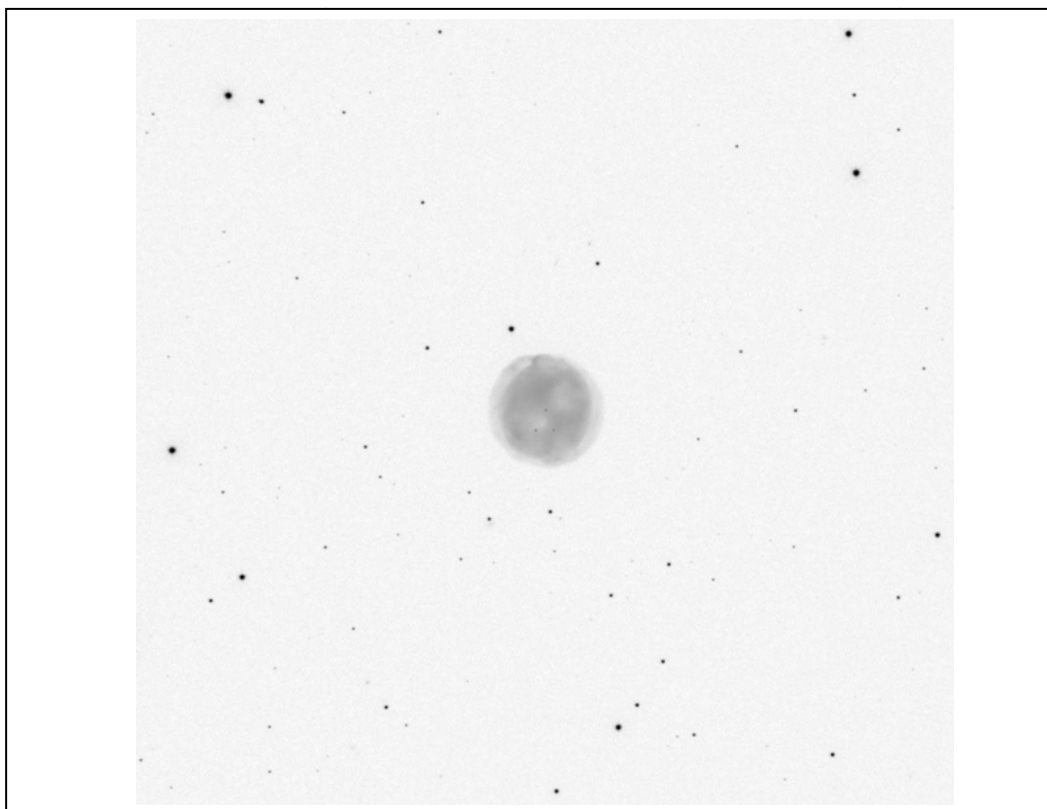
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
5631	14h 26m 33.1s	+56° 34' 57"	S0/Sa	1.7'X1.7'	11,5

**PLANETARY
NEBULA**

**OPEN
CLUSTER**

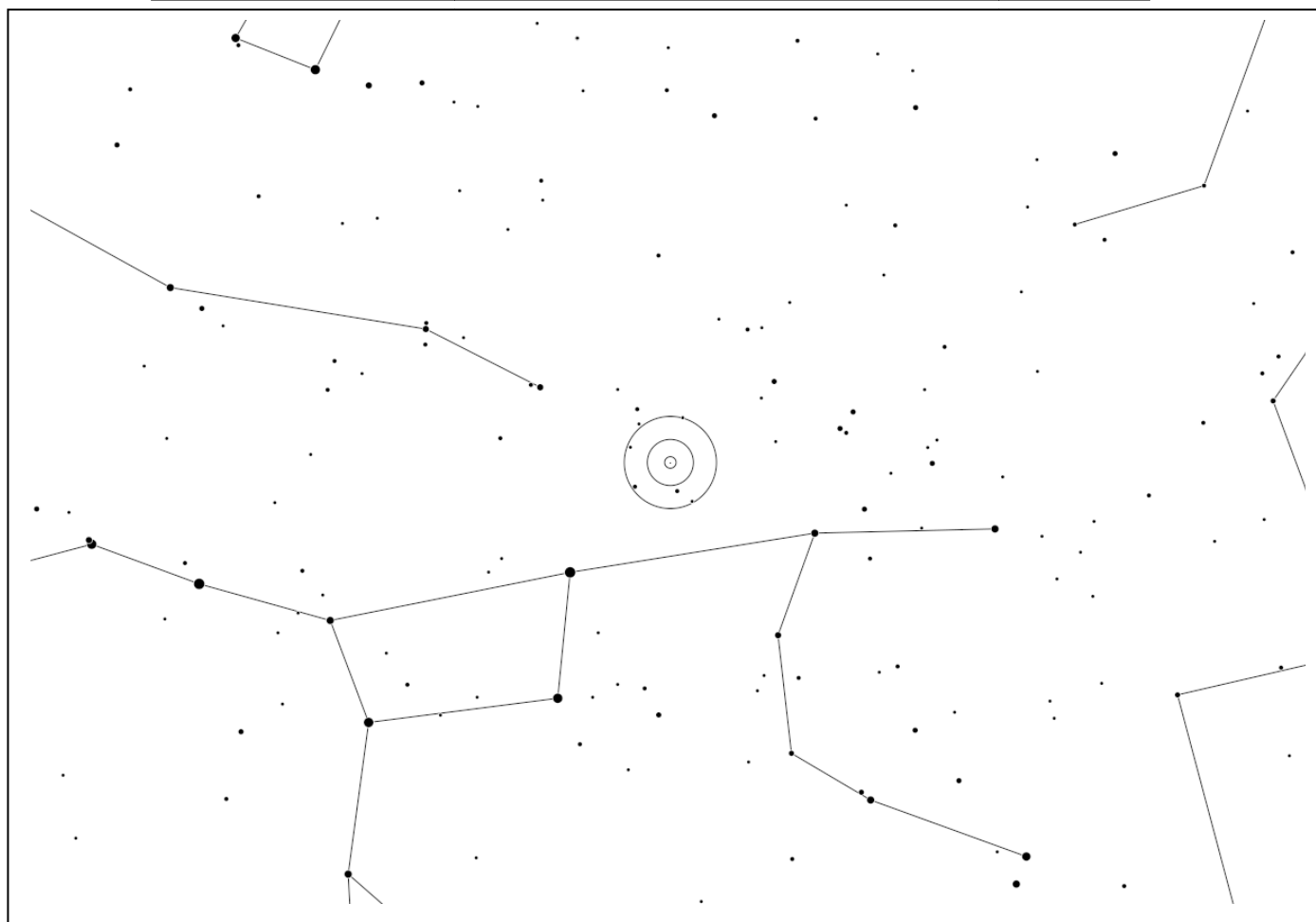
ASTERISM

M 97 (NGC 3587)



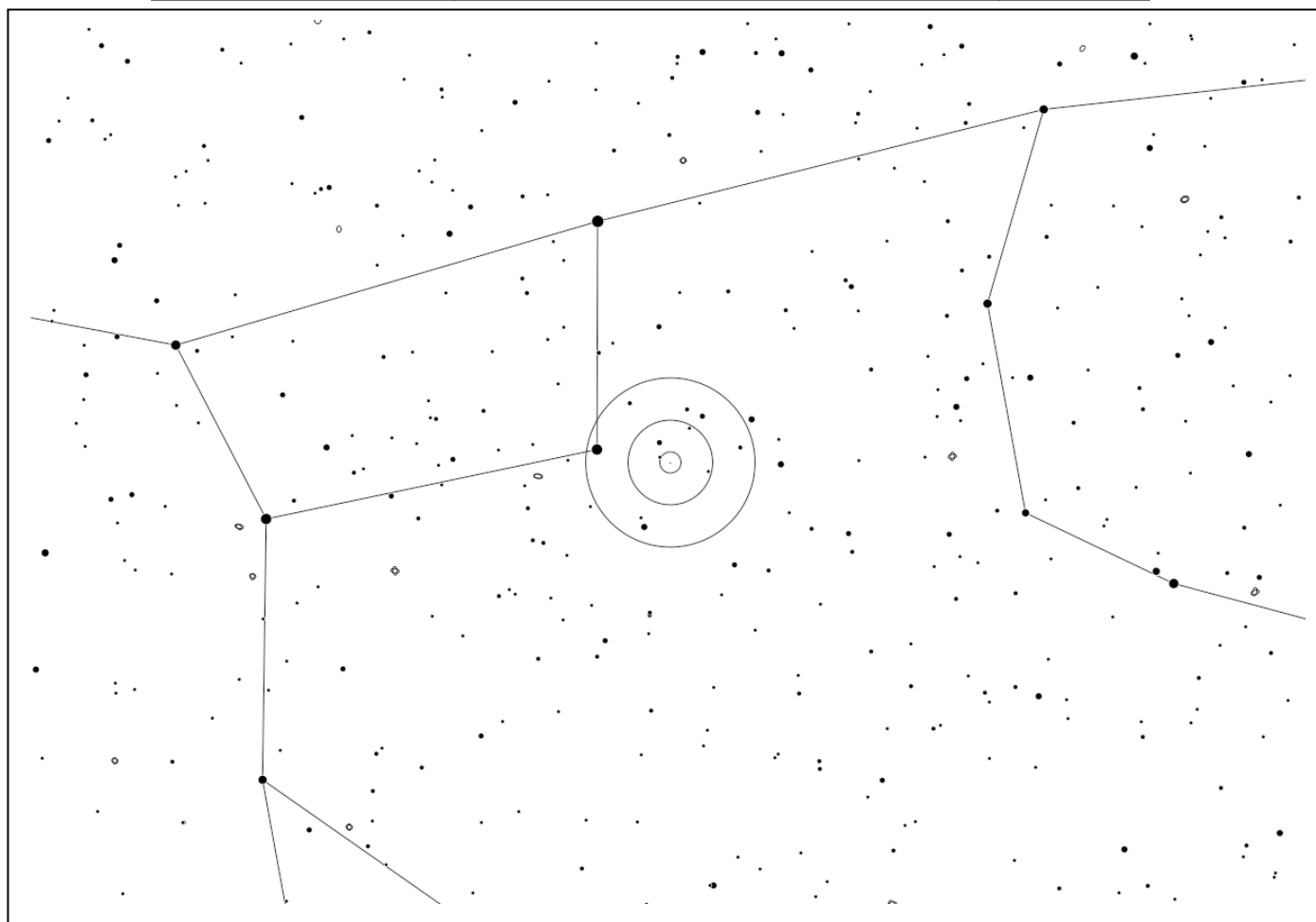
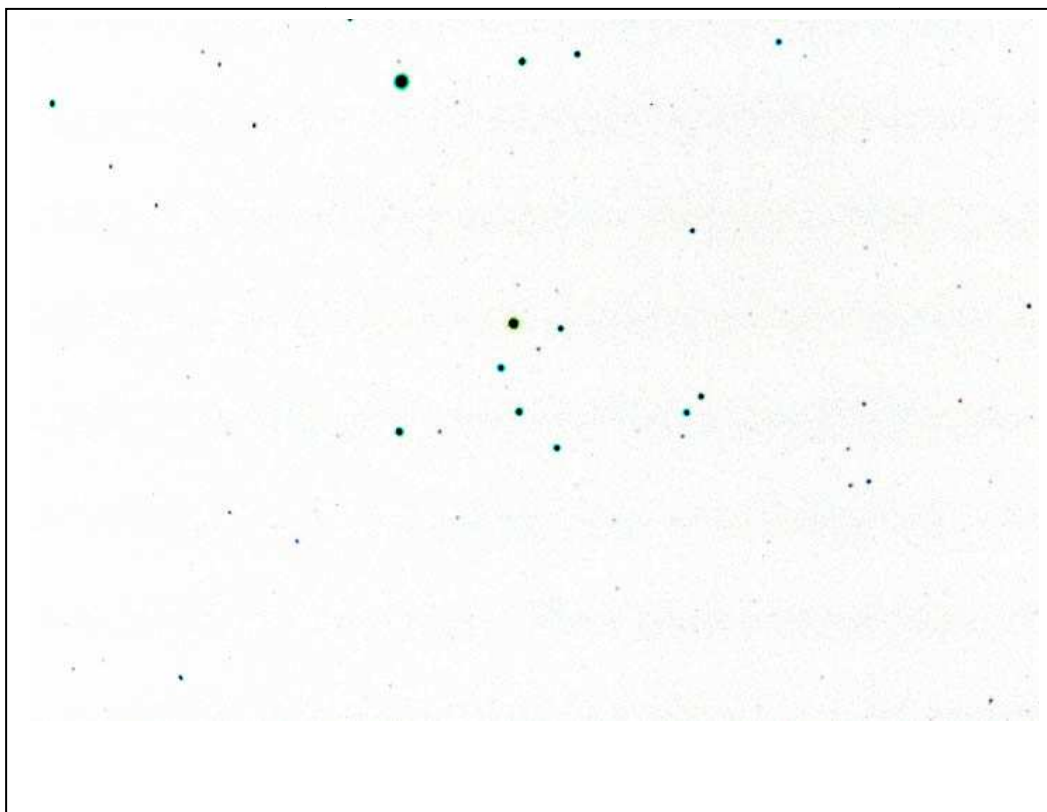
NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3587	11h 14m 47.7s	+55° 01' 07"	3a	3.4'X3.3'	9,9

NGC 3231



NGC	RA(2000)	DEC(2000)	Classification	Size	Magnitude
3231	10h 26m 57.9s	+66° 48' 54"	...	4.0'	

Broken Engagement Ring



NAME	RA(2000)	DEC(2000)	Classification	Size	Magnitude
Broken Engagement Ring	10h 51m	+56° 09'	asterism	20'	7

DOUBLE STARS

(Επιλέχθηκαν τα 50 ωραιότερα διπλά άστρα του αστερισμού . Η χρωματική απόδοση είναι υποκειμενική .)

Name	R.A.	Dec	Mag.1	Mag.2	Sep.	P.A.	Color
STF1192	08h15m48s	+60°23'	6.5	9.7	2.8	258	τριπλό , κίτρινο-απαλό γαλάζιο-λευκό
STF1193	08h20m42s	+72°24'	5.98	9.78	44.4	85	πορτοκαλί-αμυδρό μπλε
STF1208	08h23m18s	+68°26'	8.8	10.8	20.2	323	πορτοκαλί-απαλό γαλάζιο
STF1250	08h40m12s	+51°47'	10.3	10.4	21.7	167	απαλό κίτρινο-απαλό γαλάζιο
STF1248	08h42m00s	+62°01'	9.4	9.9	18.3	210	απαλό γαλάζιο-λευκό
STF1258	08h43m30s	+48°52'	7.5	7.8	9.6	331	δύο όμοια γαλάζια
STF1253	08h48m54s	+72°01'	8	10	25.9	244	λευκοκίτρινο-γαλαζωπό
HJ 1163	08h55m16s	+46°53'	9,7	10,2	16,8	173	λευκοκίτρινο-γαλαζωπό
ARG 21	08h55m51s	+64°58'	10	10,4	21,3	107	λευκό-γαλάζιο
STF1293	08h59m24s	+53°58'	9	10.2	18.6	92	λευκό-ελαφρά μπλε
STF1312	09h10m18s	+52°23'	8.6	9.1	4.6	148	πορτοκαλί-ανοικτό γαλάζιο
STF1318	09h13m36s	+46°59'	7.8	9	3.5	245	γαλάζιο - κίτρινο
STF1321	09h14m24s	+52°41'	7.61	7.71	21.1	44	δύο όμοια πορτοκαλί
STF1340	09h22m30s	+49°33'	7.1	8.9	6.3	319	γαλάζιο-πράσινο
S 598	09h28m39s	+45°36'	5,5	7,8	71,4	159	τριπλό , κίτρινο με δύο λευκά
STF1358	09h30m54s	+44°41'	7.9	9.4	24.4	153	βαθύ πορτοκαλί-γαλάζιο
STF1349	09h31m12s	+67°32'	7.5	8.7	19.2	165	λευκό-λευκό γαλάζιο
STF1350	09h34m18s	+66°48'	8.1	8.2	10.4	246	δύο όμοια λευκά
STF1366	09h35m42s	+53°18'	8.5	10	7.9	323	γαλάζιο-κοκκινωπό
STF1368	09h36m06s	+53°18'	8.7	10.2	21.3	220	γαλάζιο-κοκκινωπό
STF1376	09h45m00s	+43°14'	8.9	8.9	5	316	δύο γαλαζωπά-σφικτό
STT 209	09h53m17s	+50°37'	7,4	10,3	4,9	309	κίτρινο-γαλαζωπό
STF1394	09h57m12s	+45°54'	8.8	9.7	3.7	237	δύο όμοια κίτρινα-σφικτό
STF1402	10h04m54s	+55°29'	8.1	9.6	21.1	96	τριπλό , λευκό-πορτοκαλί-απαλό γαλάζιο
HJ 1176	10h16m39s	+57°37'	9,8	9,8	8,9	312	λευκό-γαλαζωπό
STF1415	10h17m48s	+71°04'	6.66	7.37	16.7	167	τριπλό
STF1460	10h40m36s	+42°09'	8.6	8.6	3.3	169	δύο όμοια γαλαζωπά
STF1461	10h42m00s	+46°39'	8.8	10.3	9	136	λευκό-πρασινωπό
STF1462	10h42m54s	+50°48'	7.4	9.3	8.3	173	λευκοκίτρινο-αμυδρό πρασινωπό
STF1469	10h47m42s	+65°28'	7.68	10.68	10.8	323	λευκό-σιελ
STF1486	10h55m00s	+52°07'	8.2	9.5	28.3	102	πορτοκαλί-γαλάζιο
STF1495	10h59m48s	+58°54'	7.12	8.95	34.4	38	κίτρινο-πρασινωπό
STF1498	11h01m36s	+66°27'	7.9	10.7	29	291	λευκοκίτρινο-αμυδρό κόκκινο
HJ 2554	11h03m39s	+44°20'	7,4	9,3	38,5	294	κίτρινο-γαλάζιο
STT 231	11h11m05s	+30°27'	8,5	9,1	211	322	κίτρινο-πορτοκαλί
S 621	11h11m19s	+66°01'	8,3	8,5	98	54	τετραπλό
STF1520	11h16m06s	+52°46'	6.5	8.03	12.7	344	κίτρινο-απαλό πράσινο
STF1523	11h18m12s	+31°31'	4,4	4,9	1,7	231	σφικτό-δύο κίτρινα
STF1524	11h18m28s	+33°05'	3.48	10.1	7.1	147	κίτρινο-γαλαζοπράσινο
STF1541	11h27m42s	+46°18'	7.9	10.3	7.7	28	λευκό-απαλό πορτοκαλί
STF1544	11h31m18s	+59°42'	7.2	8.2	12.4	90	κίτρινο - απαλό γαλάζιο
STF1546	11h32m18s	+56°06'	8	10.3	11.5	345	έντονο κίτρινο - αμυδρό κόκκινο
STF1553	11h36m36s	+56°08'	7.9	8.4	5.3	171	λευκό-έντονο πορτοκαλί
STF1561	11h38m42s	+45°07'	6.46	8.39	10.5	266	λευκό-πράσινο
STF1579	11h55m06s	+46°29'	6.5	7.03	63	114	απαλό κίτρινο-απαλό γαλάζιο
STF1579	11h55m06s	+46°29'	6.5	7.03	63	114	κίτρινοπράσινο-γαλαζωπό
STF1600	12h05m36s	+51°56'	7.4	8.4	7.8	93	λευκοκίτρινο-λευκογαλάζιο
STF1662	12h35m48s	+56°35'	8.1	10.4	20.2	230	βαθύ κίτρινο-αμυδρό κόκκινο
STF1691	12h55m00s	+58°10'	8.58	9.87	18.7	276	τριπλό , κίτρινο - απαλό γαλάζιο-λευκό
STF1795	13h58m54s	+53°06'	6.8	10	7.6	3	απαλό κίτρινο-απαλό γαλάζιο
STF1831	14h16m06s	+56°43'	7	6.68	105	227	τετραπλό-λευκά

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