

# DEEP SKY HUNTER STAR ATLAS

Michael Vlasov - [deepskywatch.com](http://deepskywatch.com)

Field Edition, Second Revision (2017)



Deep Sky Hunter - a printable atlas of deep sky objects for advanced observers. Field (W/B) edition, 2nd revision (june 1st 2017).

Plotted DSO down to magnitude 14.0 and stars down to magnitude 10.2, comprehensive manual post-editing.

Select galaxy clusters and dense regions plotted in 21 separate "zoom" charts (with stars down to to 12-13m).

Indications of over 500 best deep sky objects (Messier, Caldwell, Herschel 400, SAC best), bright & dark nebulae, common names.

Entire sky covered by 101 charts, 2 Index maps and 21 detailed "zoom" charts. Supplementary object lists available.

Each chart covers 20x30° (40x30° double page spreads), designed for A3 portrait B/W printing at 600 dpi. W/B field editon available

Source chart data was generated by "Sky Map Pro 10" software, C A Mariott © all rights reserved.

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## MAP KEY

● ● ● ● ● ● ● ● ● ●  
<0 1 2 3 4 5 6 7 8 9 10

☉ Quasar  
● Multiple star  
☁ Dark nebula  
☾ Galaxy  
☐ Bright nebula

○ Galaxy cluster / other  
⊕ Globular cluster  
⊙ Open cluster  
♁ Planetary nebula  
4984 NGC catalog number

IC 3799 Other catalog number  
\* Best DSO, indicates that object is listed in:  
Messier / Caldwell / Herschel 400 / SAC best  
46 Next neighbour page reference  
chart A17 Detailed "zoom" chart reference

# Index 1

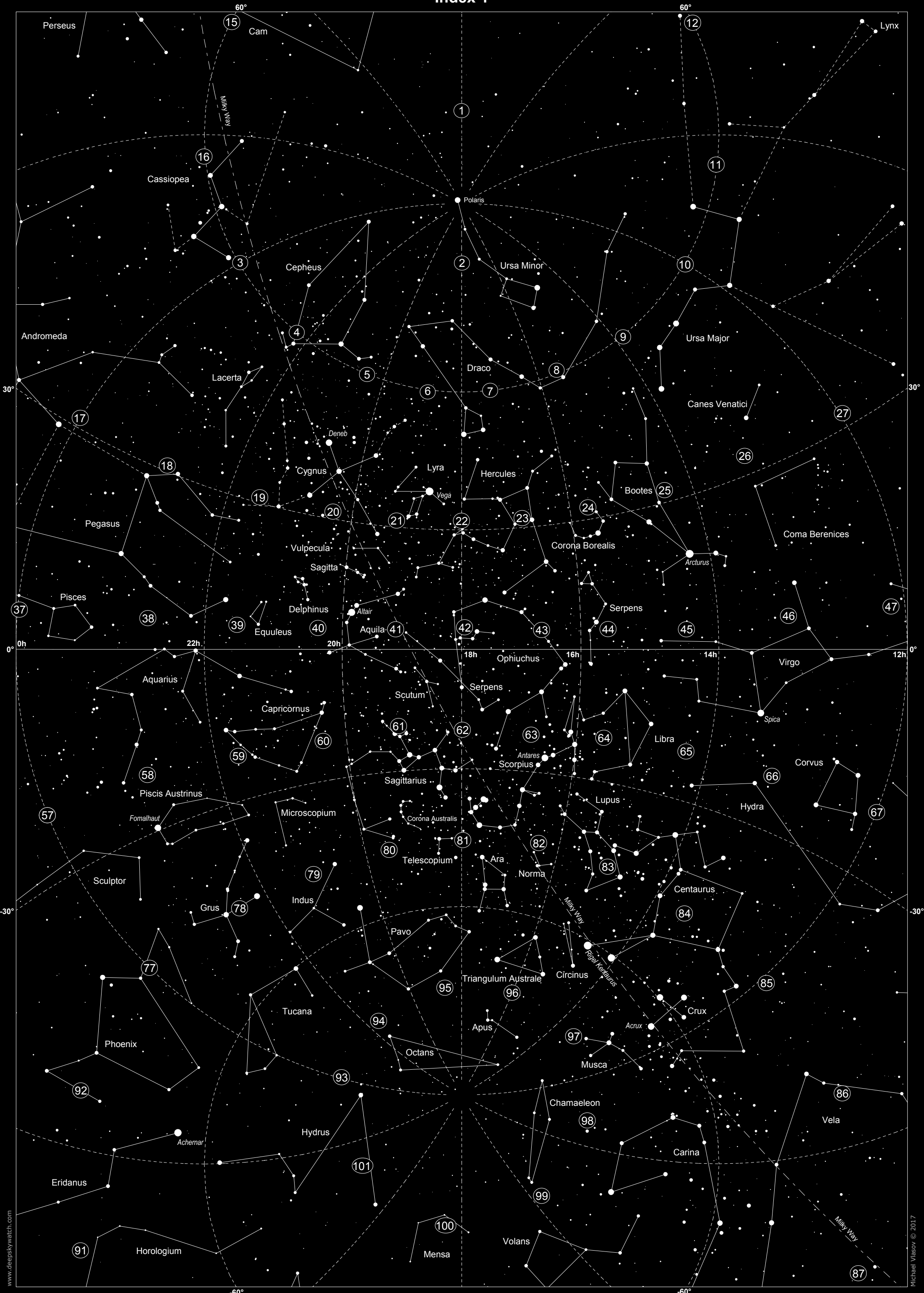






Chart 2

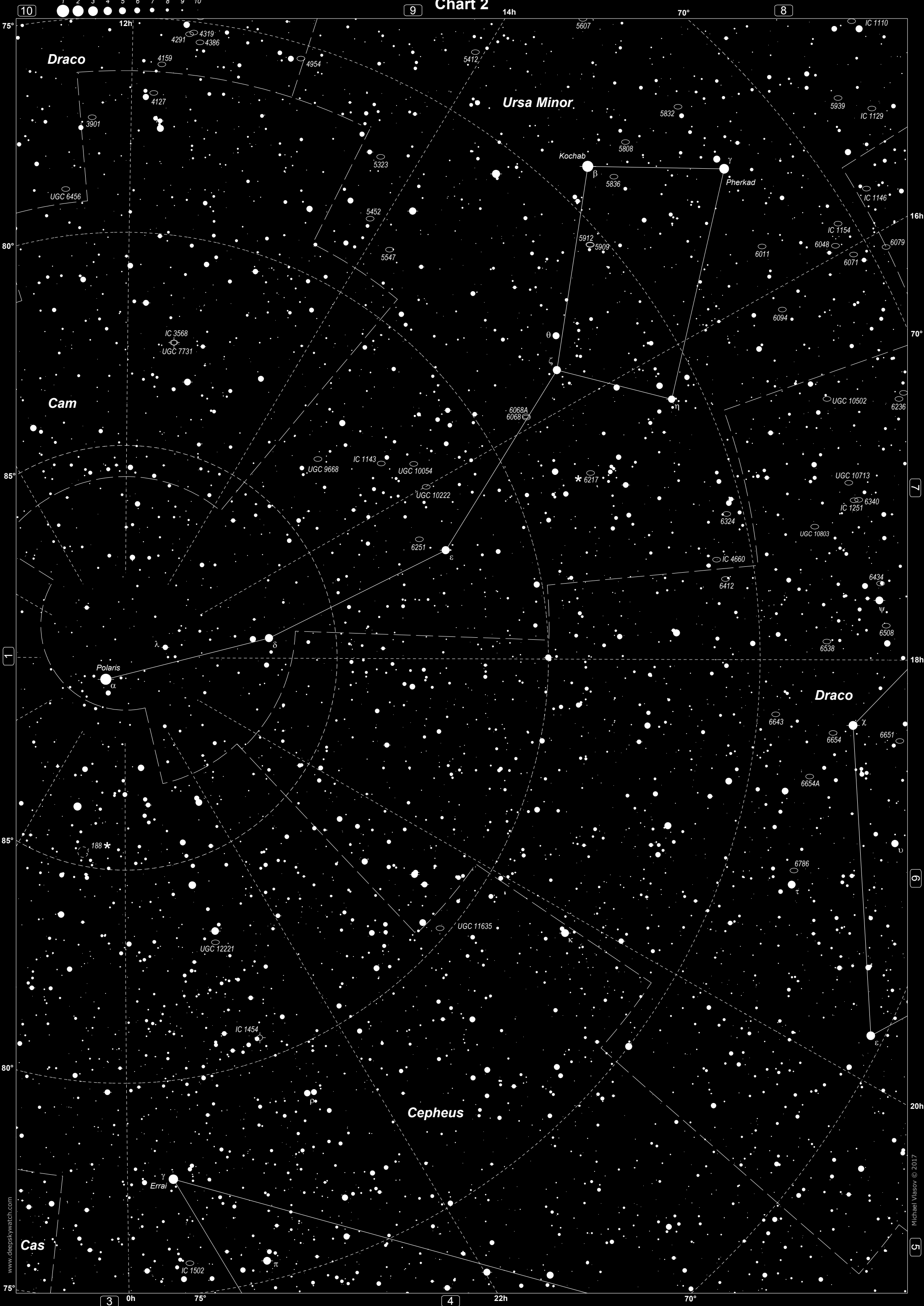


Chart 3



Cassiopeia

Cepheus

Andromeda

Bow tie nebula

Pacman nebula

NGC 7635 - Bubble Nebula

Caph

Schedar

M 52

Chart 4



Chart 5



Cepheus

Draco

Cygnus

B Alfirk

Cr 427

7023  
\* Iris nebula

δ Altair

7129

7142 \*

Kurhah

7139

7160 \*

PK 101-8.1

α Alderamin

β B152

η

6939 \*

UGC 11557

6831

6946  
\* Fireworks galaxy

IC 1396  
B161  
Tr 37  
Elephant's trunk  
B367  
B163  
B162  
B365  
B160

Elephant's trunk

B157

B364

7128 \*

7008  
\* Fetus nebula \*

\* NGC 6826 - Blinking Planetary

UGC 11465

7086 \*

7031

6833

M 39 \*

7067

IC 1369

B361

7026

o<sub>2</sub>

7082

7062 \*

7048

7039

6884

6811

UGC 11466

7048

7039

B350

North America nebula

19

21h

20

20h

21

4

9

1

2

3

4

5

6

7

8

9

10

22h

21h

20h

19h

2

70°

70°

65°

65°

60°

60°

55°

55°

50°

50°

19

21h

20

20h

21

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Chart 8









Chart 12

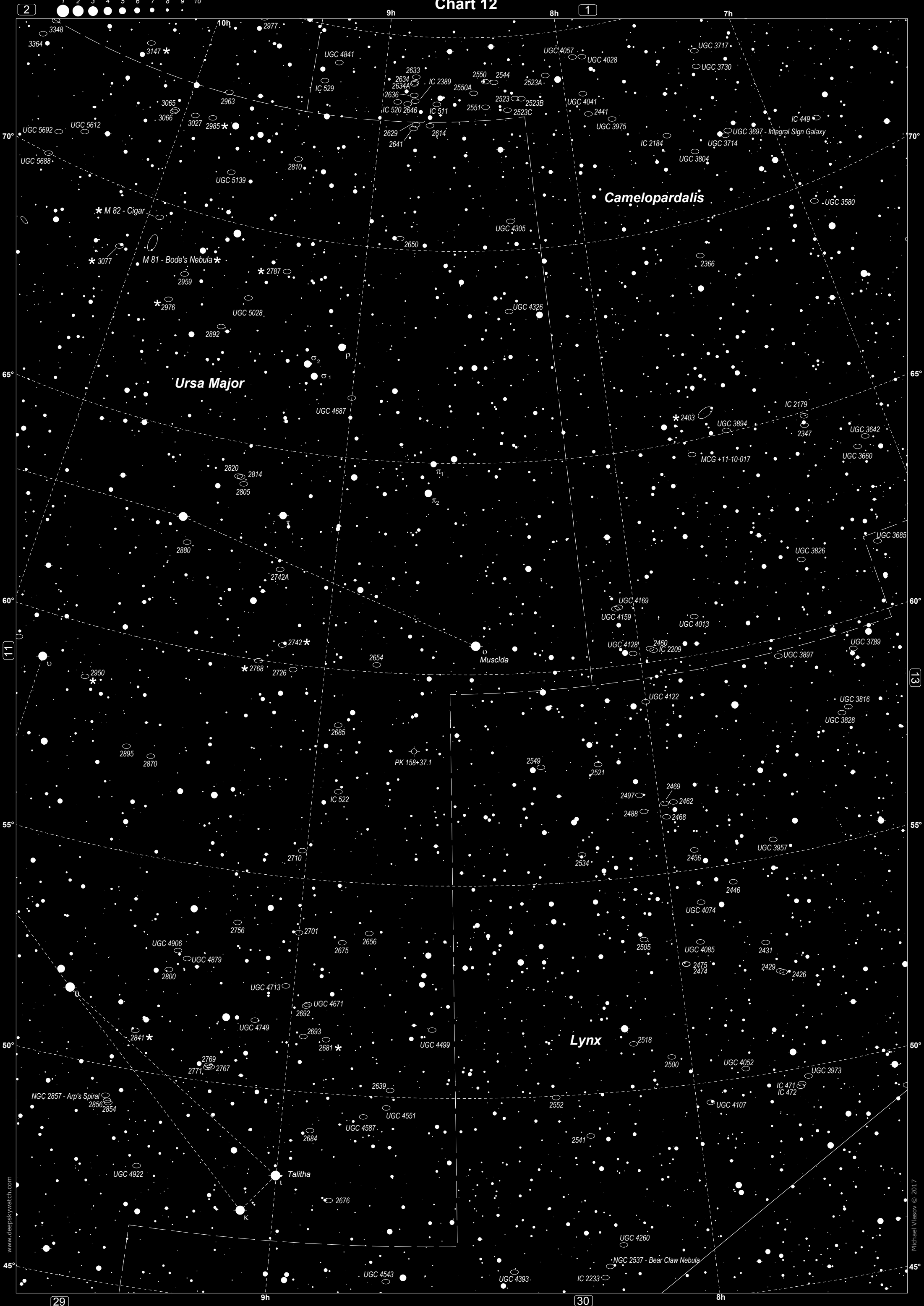






Chart 14

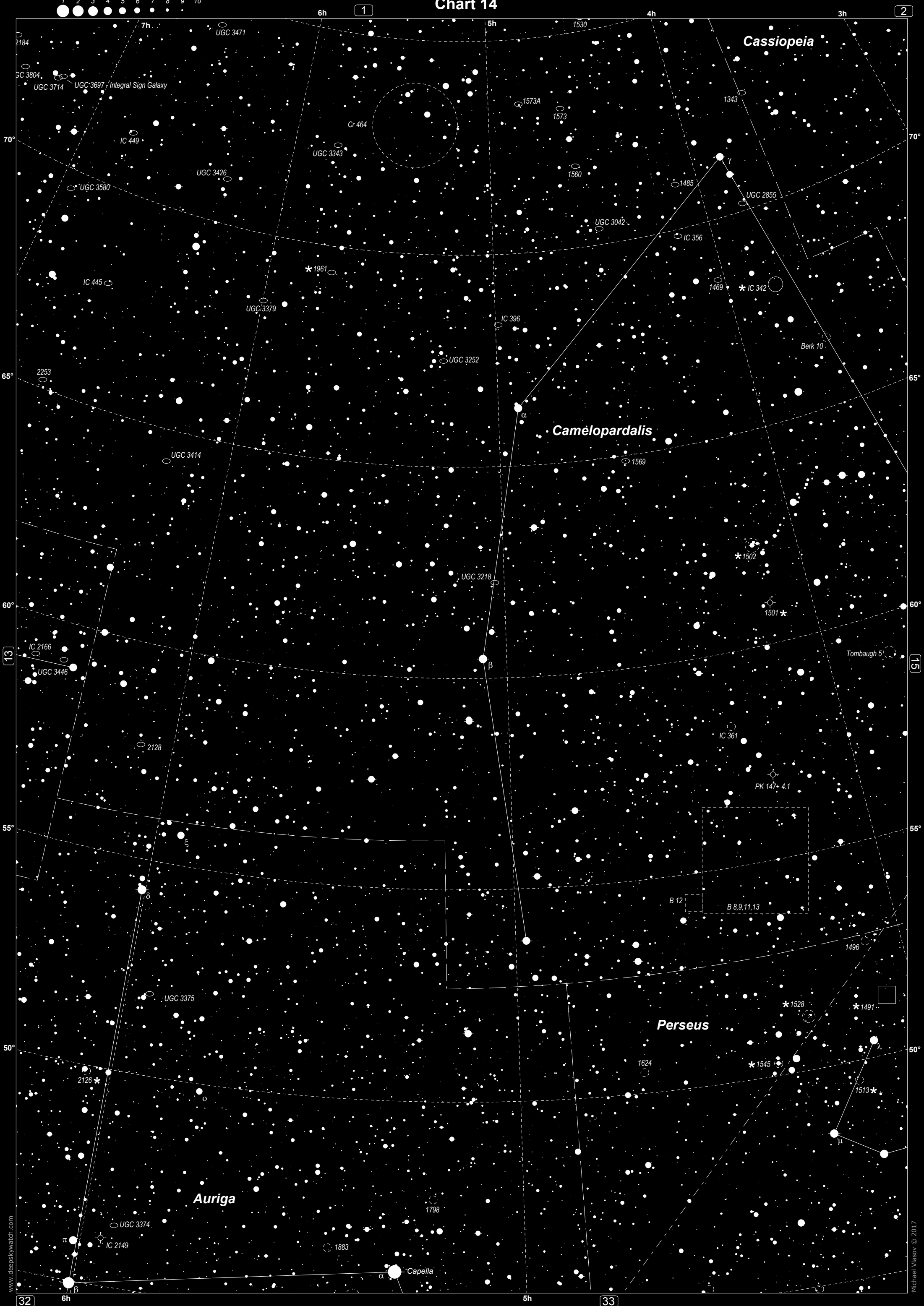


Chart 15



Camelopardalis

Cassiopeia

Perseus

Andromeda

Chart 16

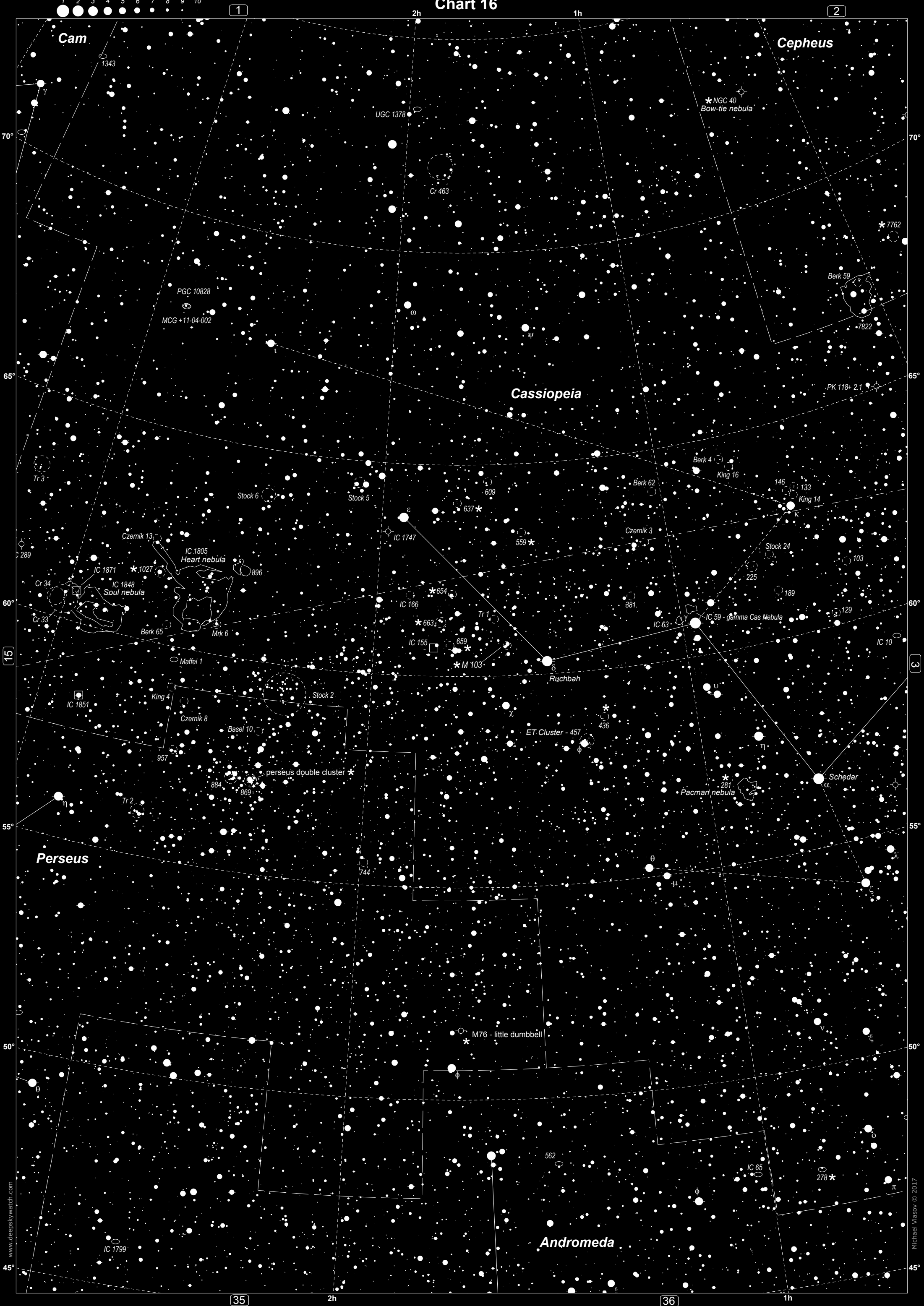




Chart 18



3

4

17

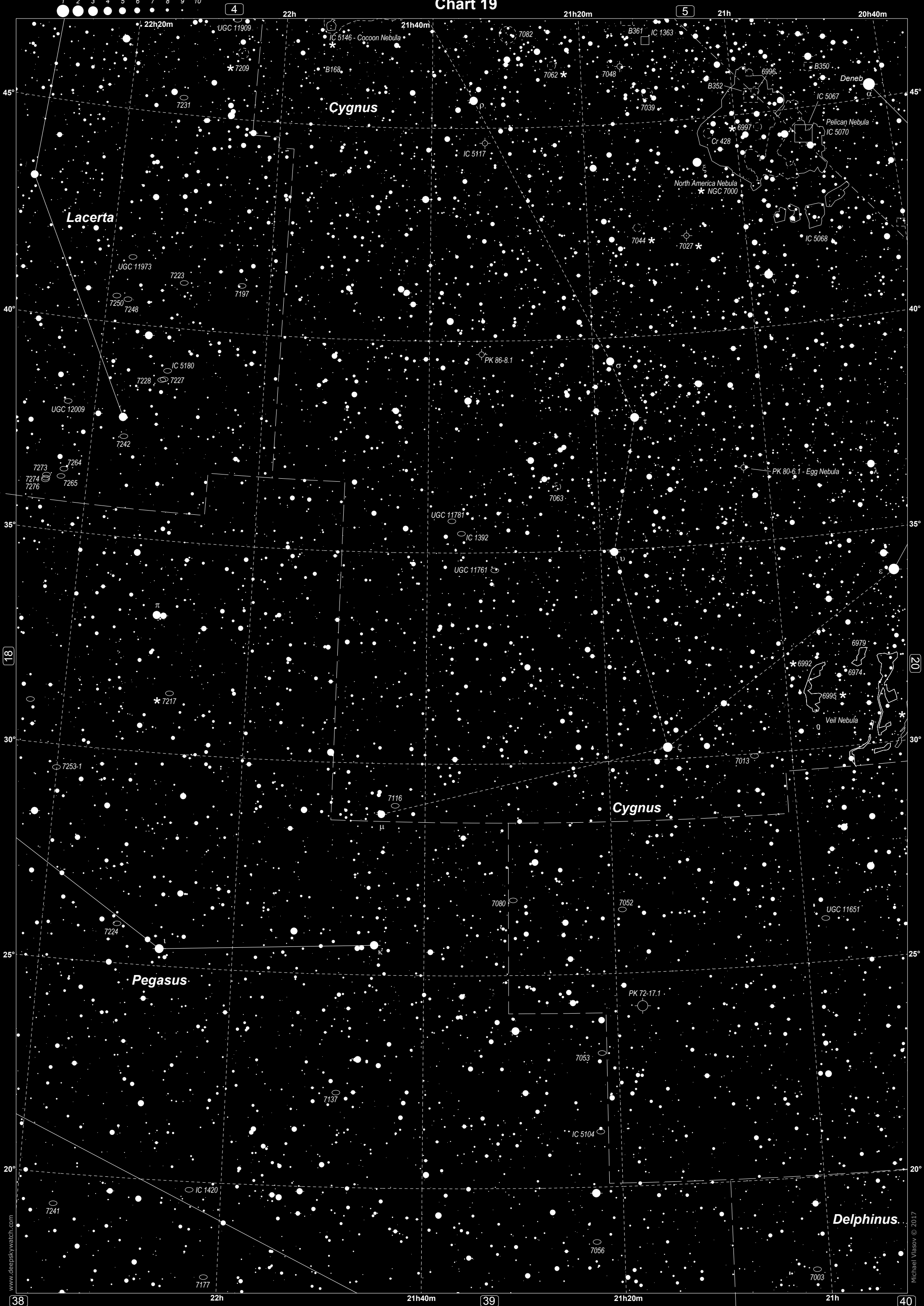
19

37

38

39

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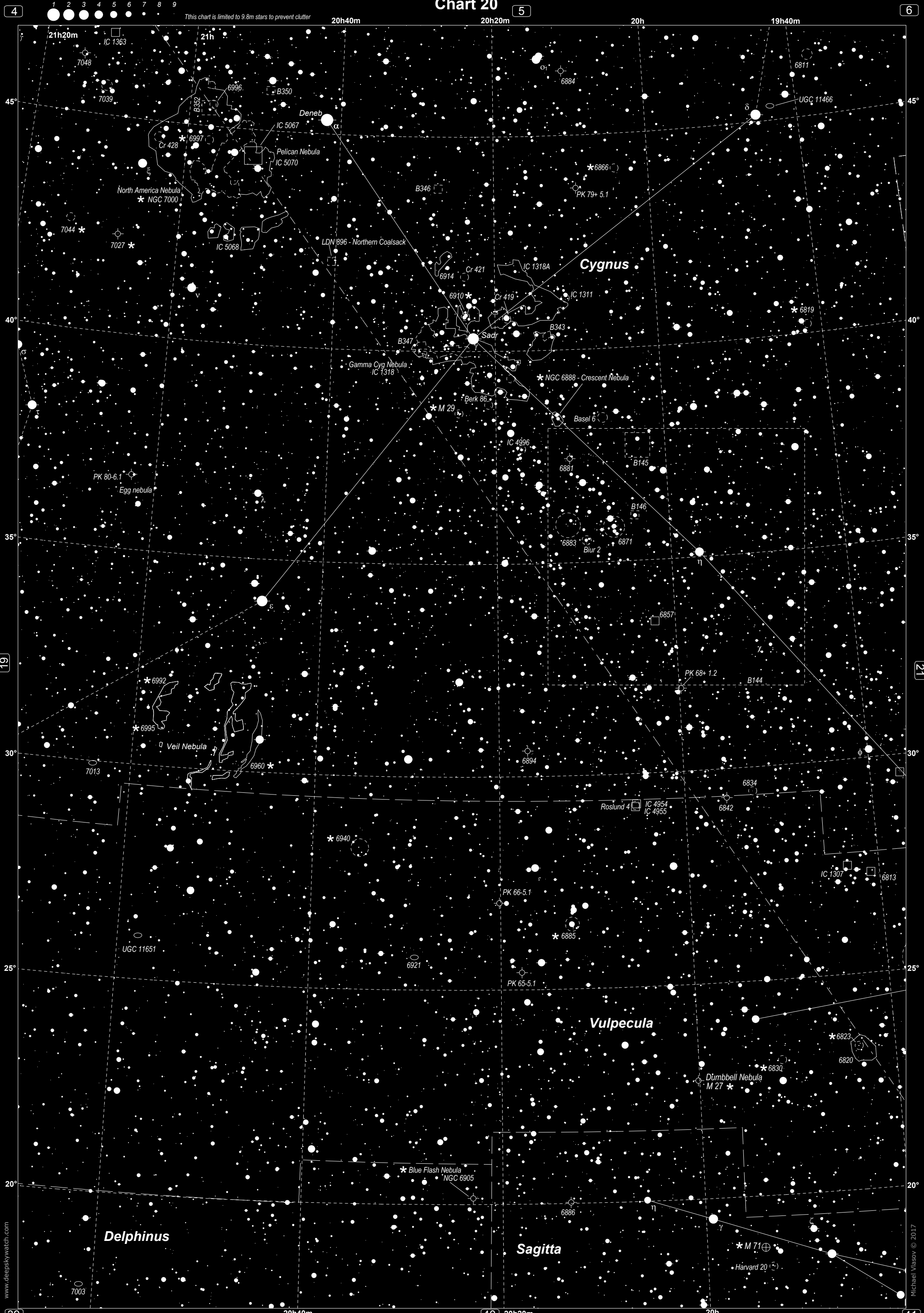


18

20

38

40



4

5

6

19

21

39

40

41

# Chart 21





Chart 22



1

2

3

4

5

6

7

8

9

10

6

7

45°

45°

40°

40°

35°

35°

30°

30°

25°

25°

20°

20°

41

18h40m

18h20m

18h

42

17h40m

17h20m

43

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Chart 23











Chart 27

Canes Venatici

Ursa Major

Coma Berenices

Leo

chart A5

chart A6

chart A5

Chart 28







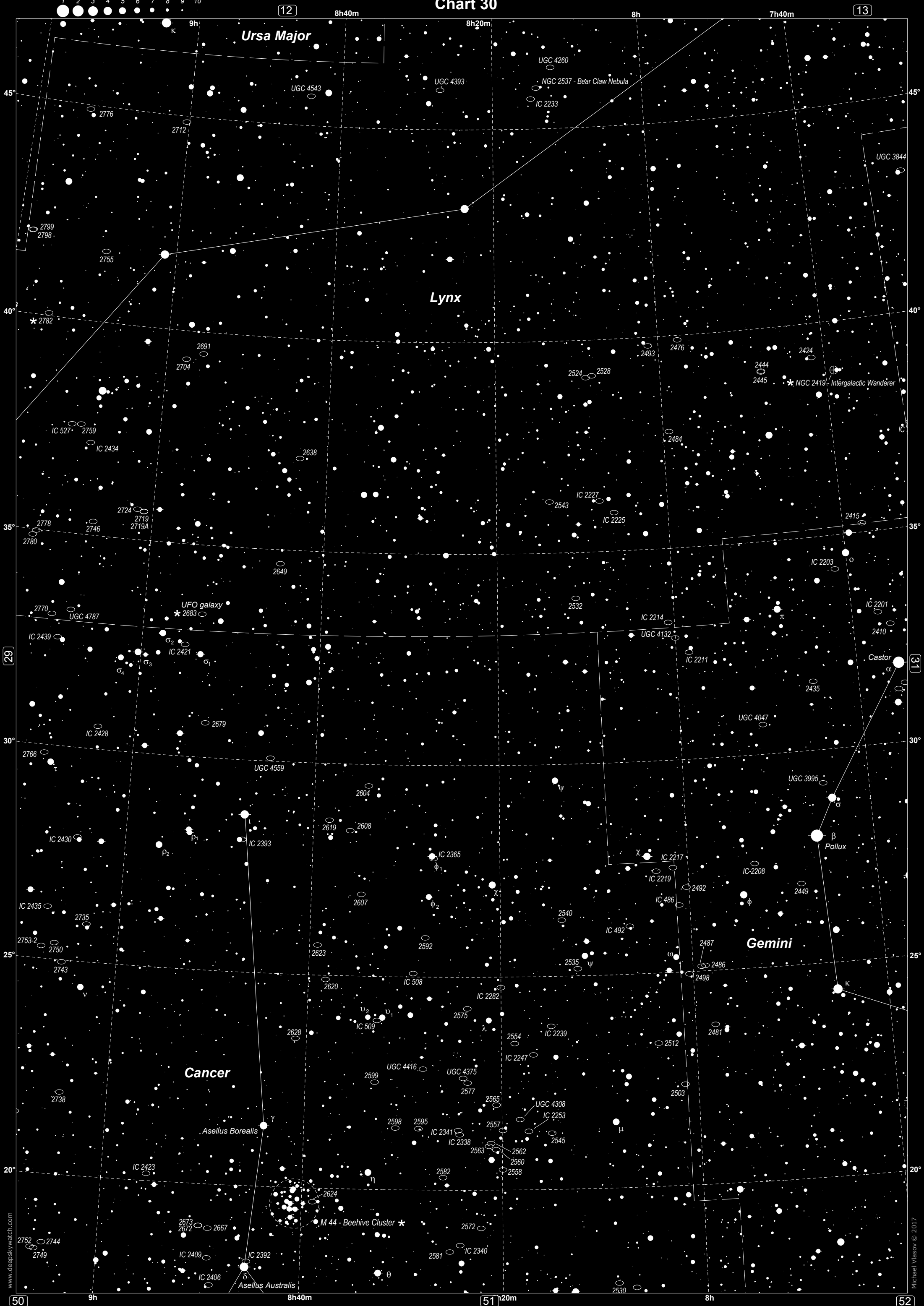


Chart 31



Lynx

Auriga

Gemini

NGC 2419 - Intergalactic Wanderer

Gemini nebula

NGC 2392 - Eskimo Nebula

1 2 3 4 5 6 7 8 9 10

50 7h40m 7h20m 7h 6h40m 52

12

13

30

51

Chart 32

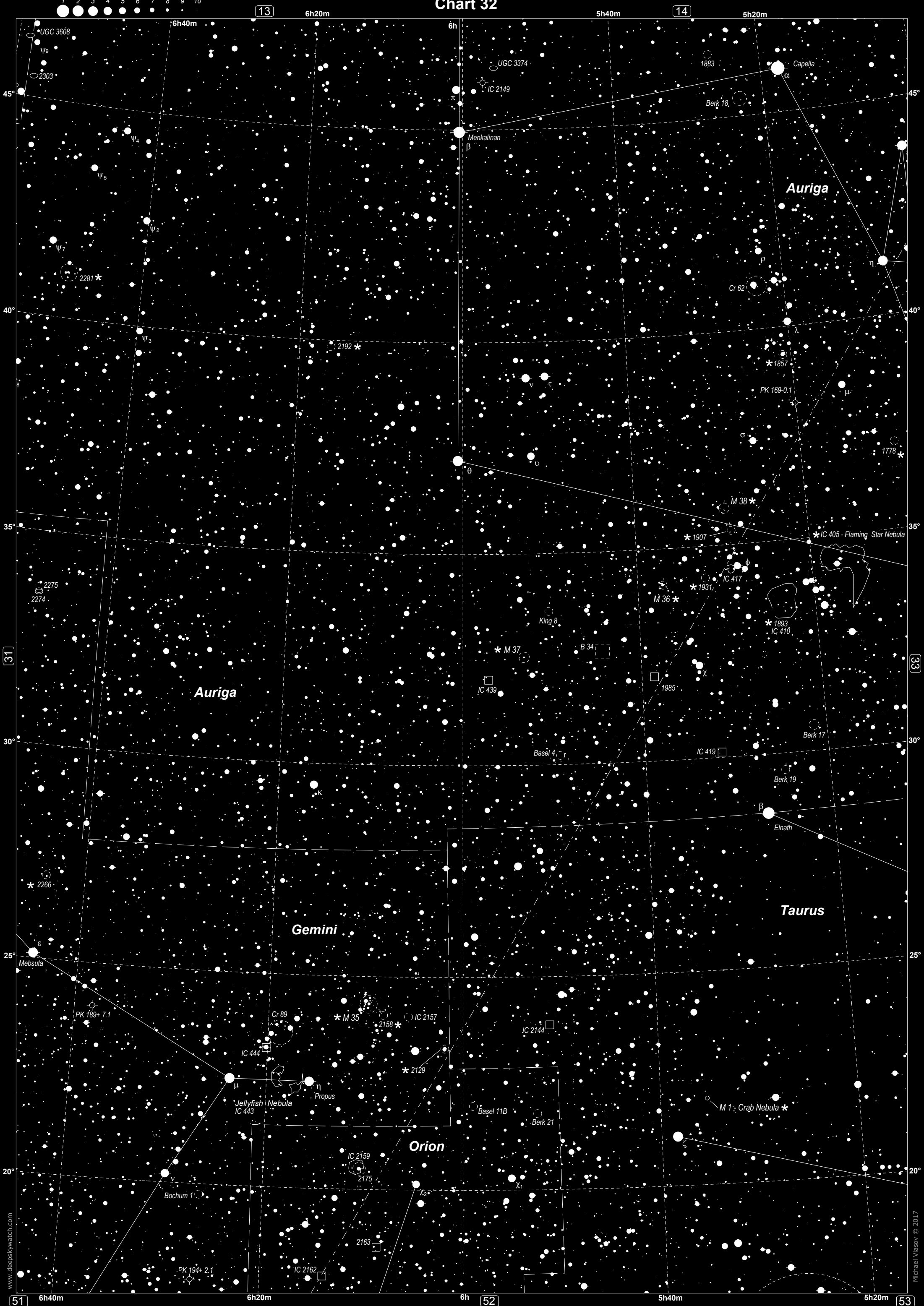
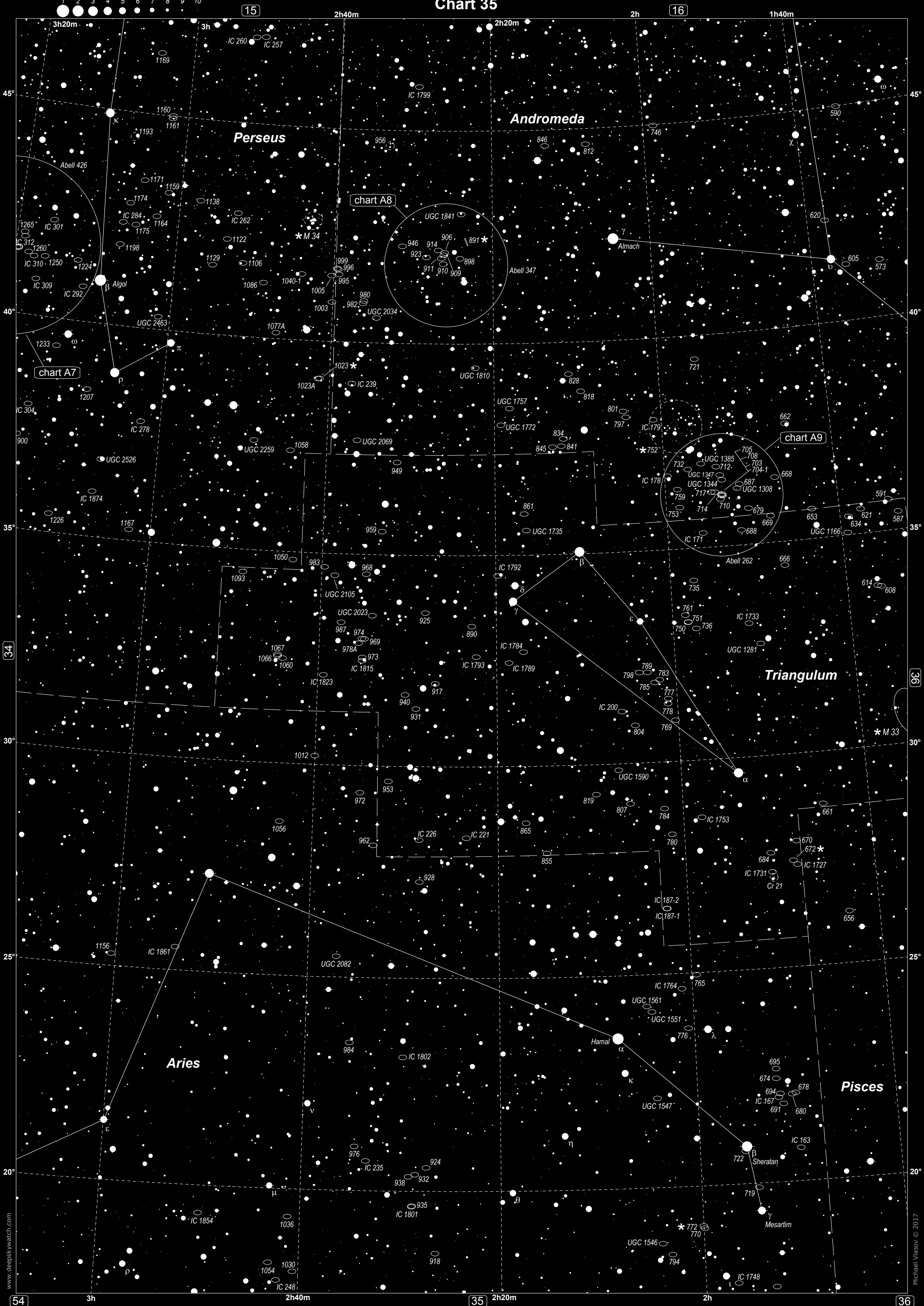


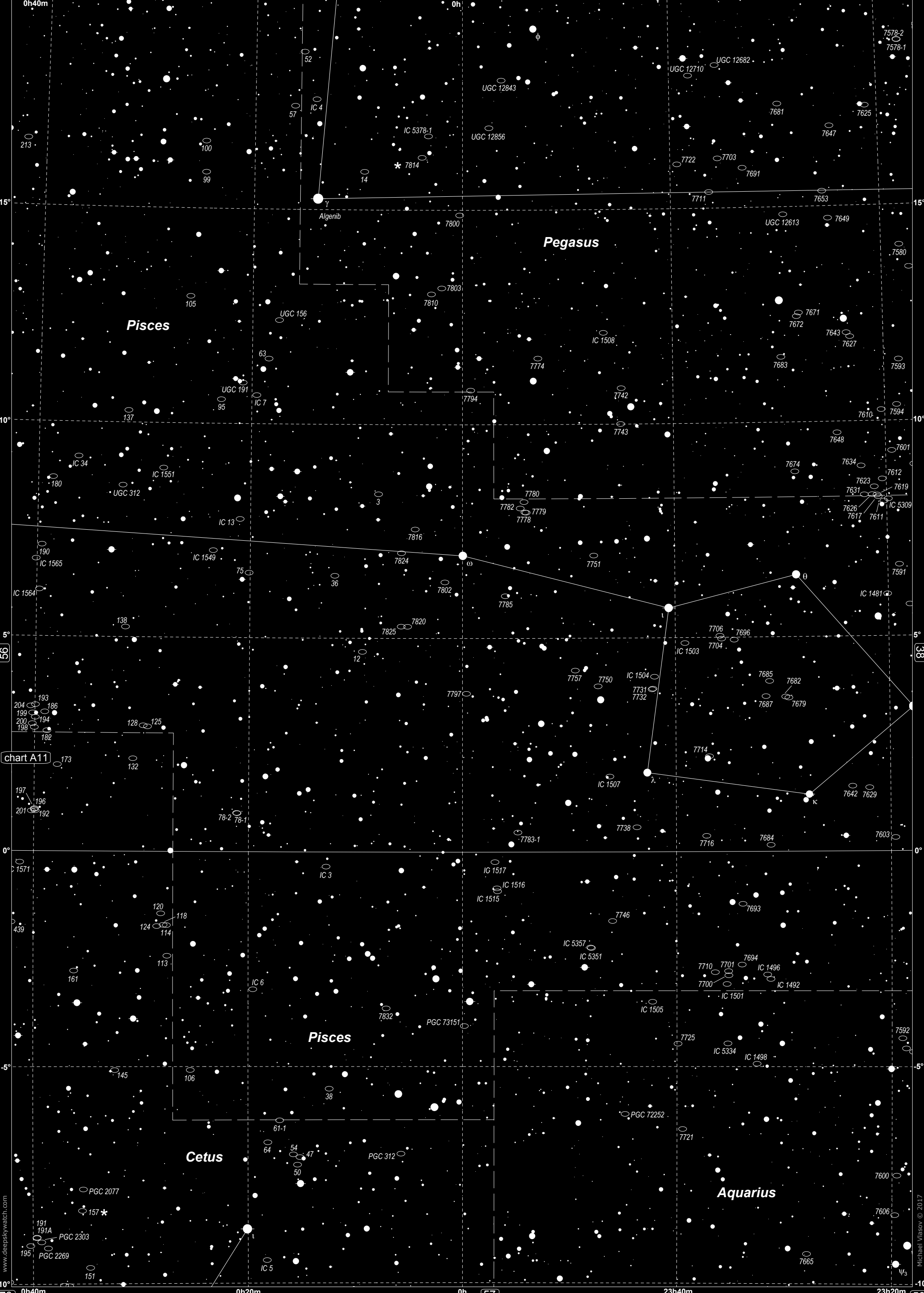
Chart 33





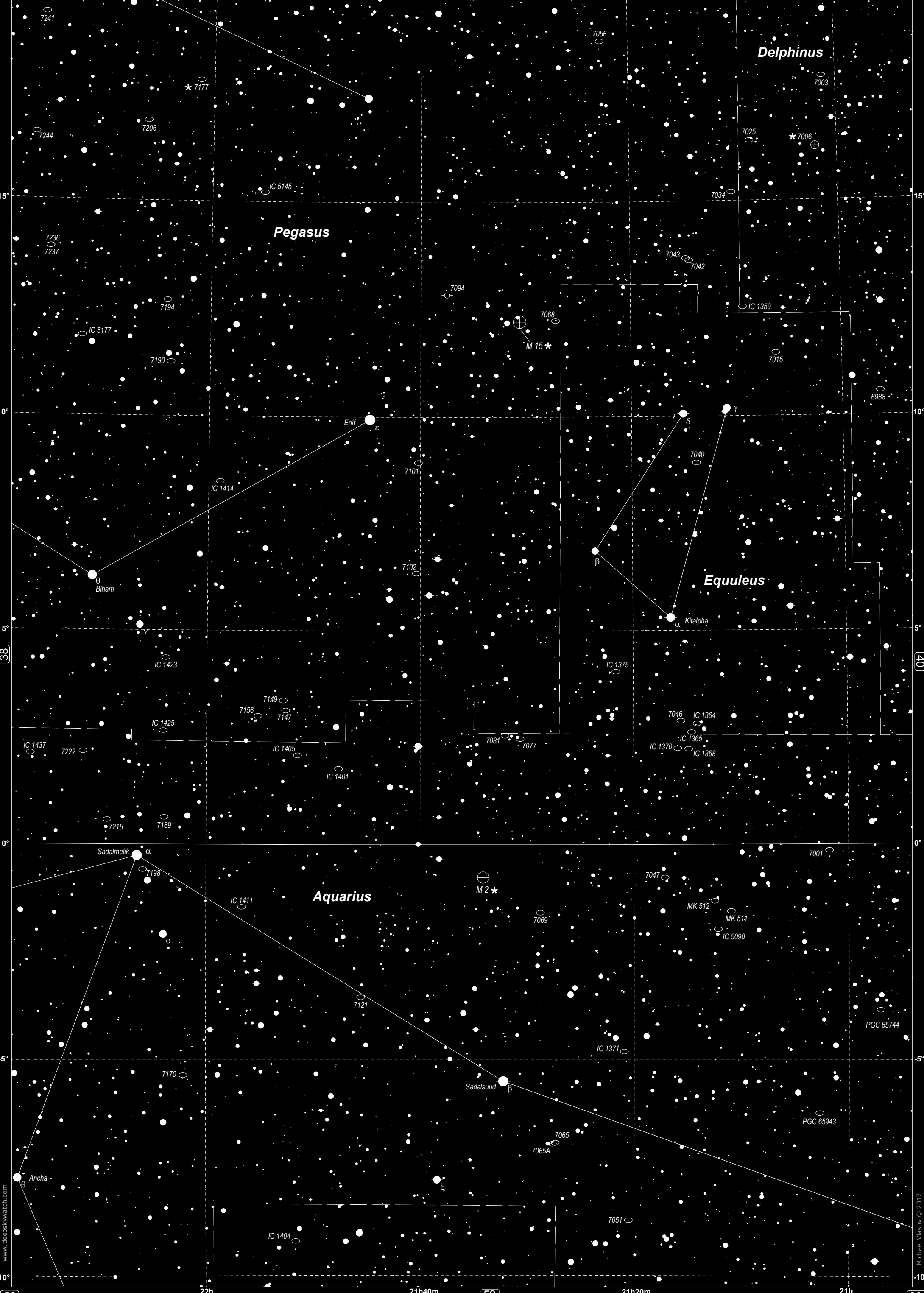




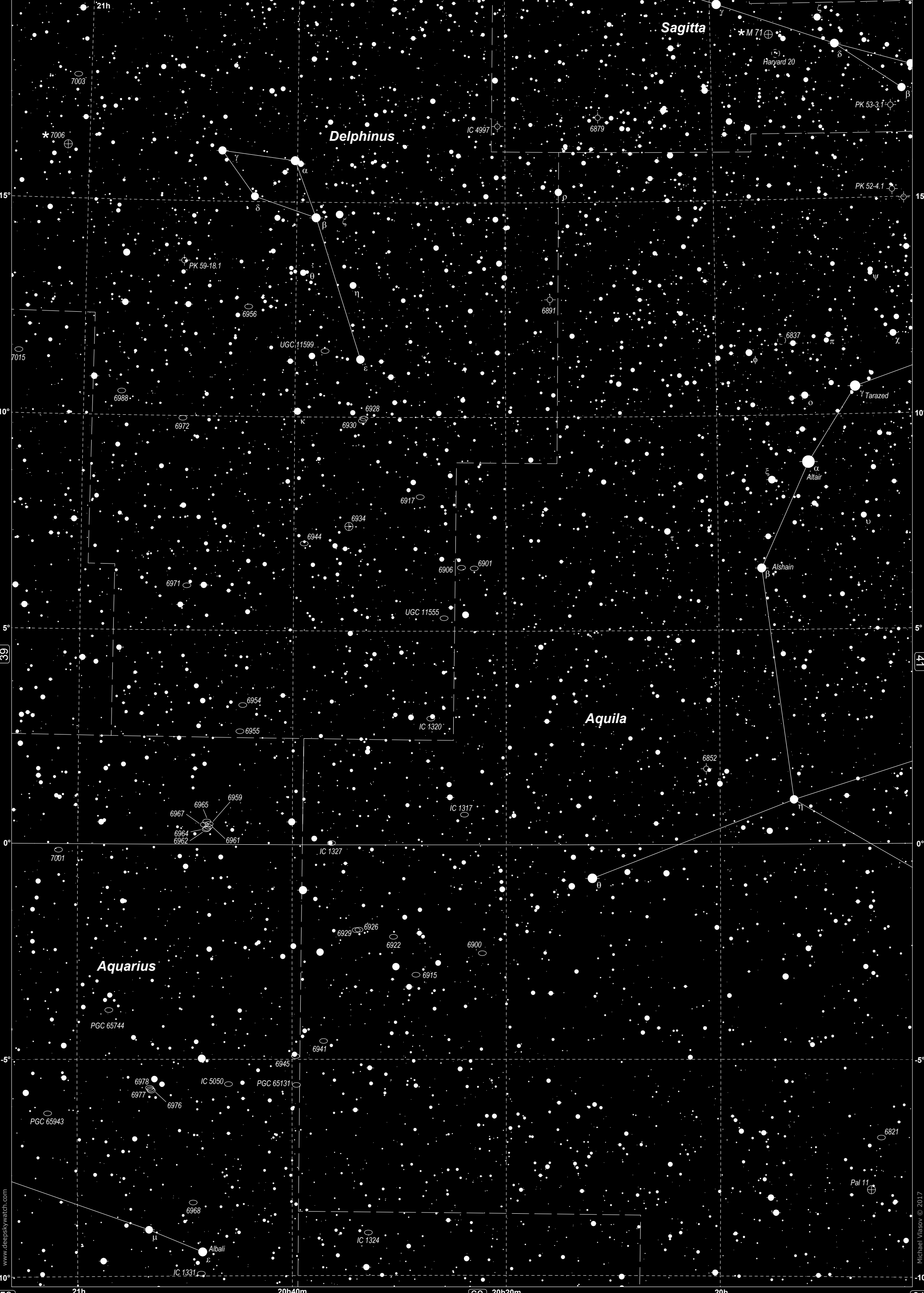


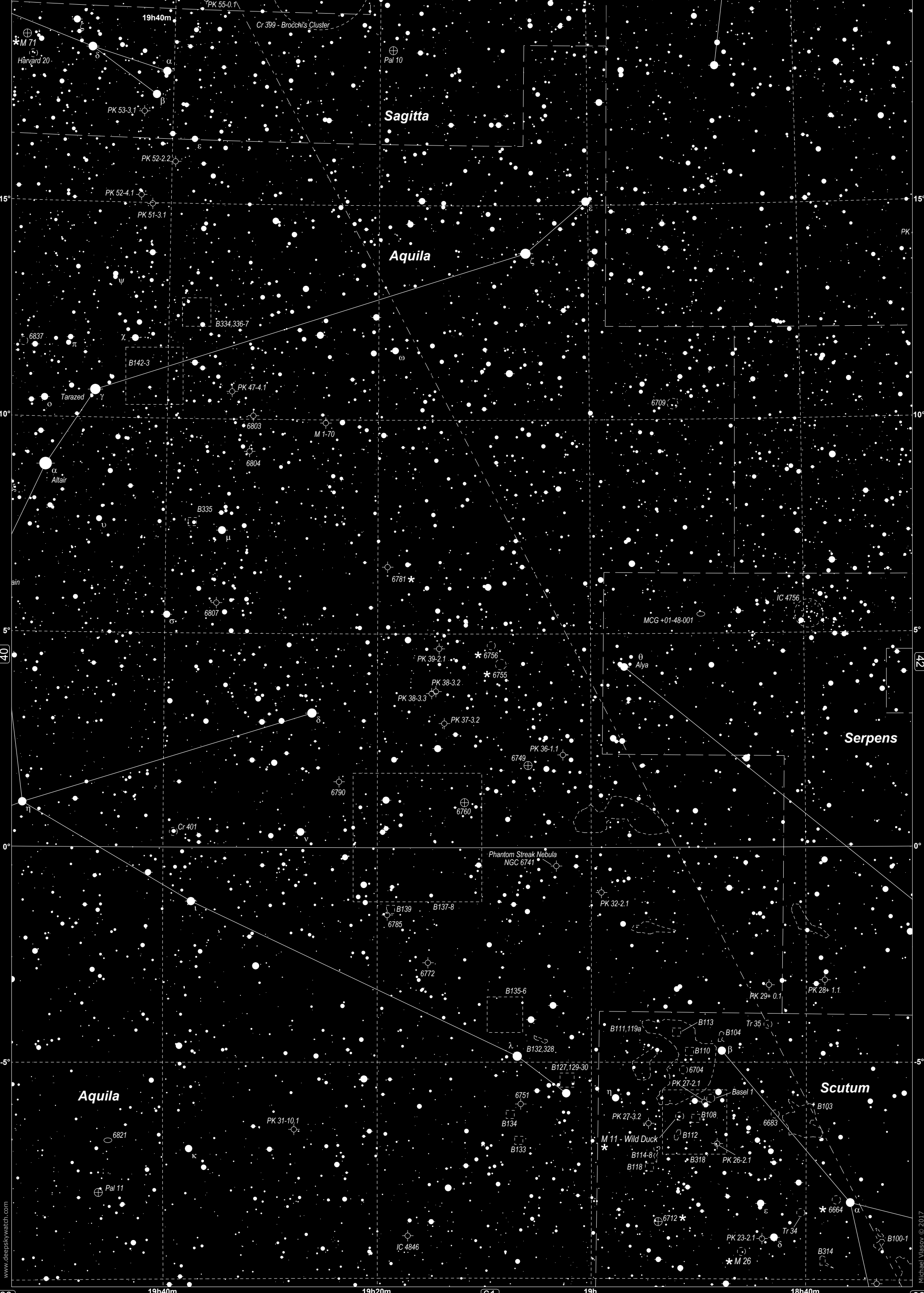


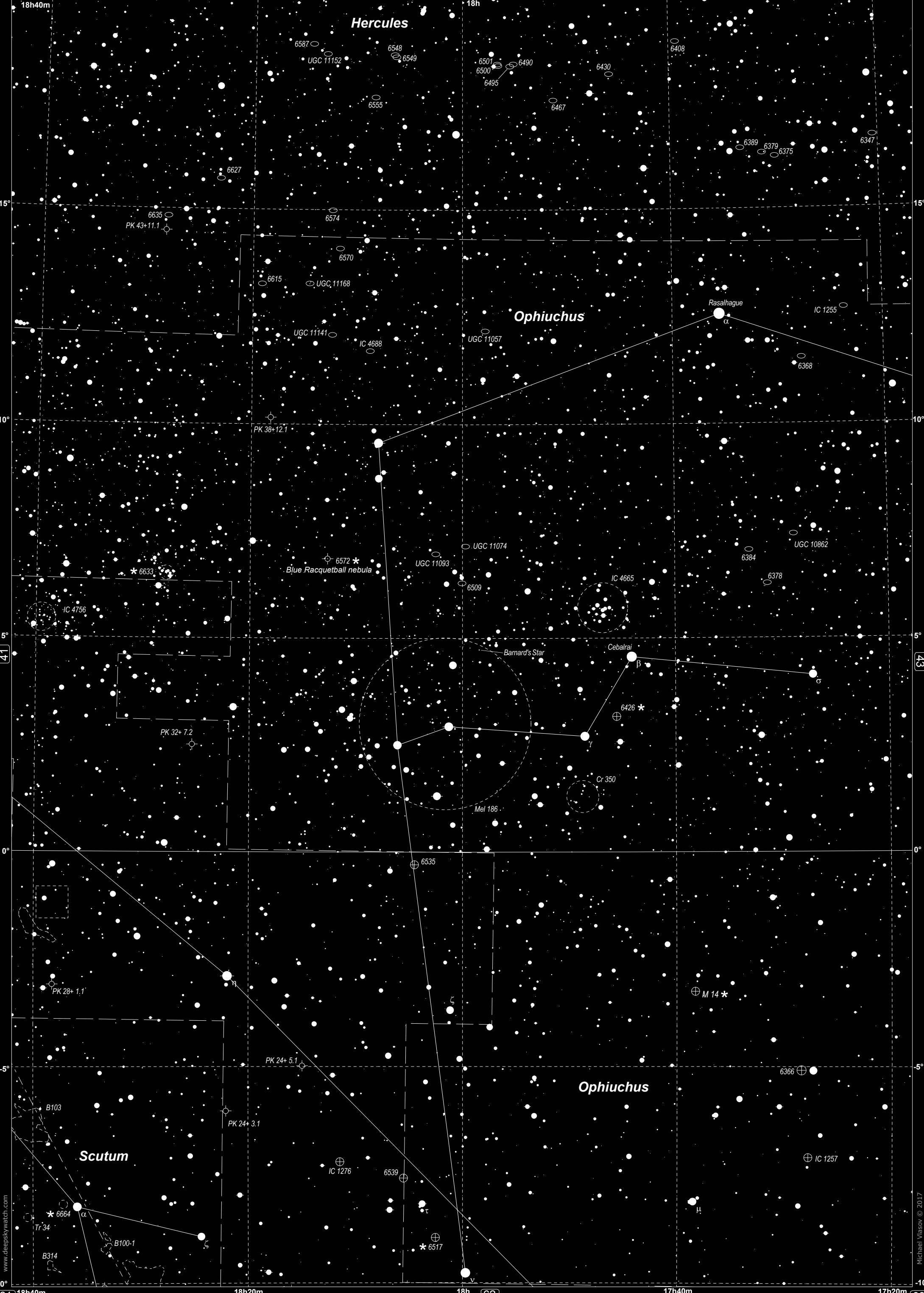


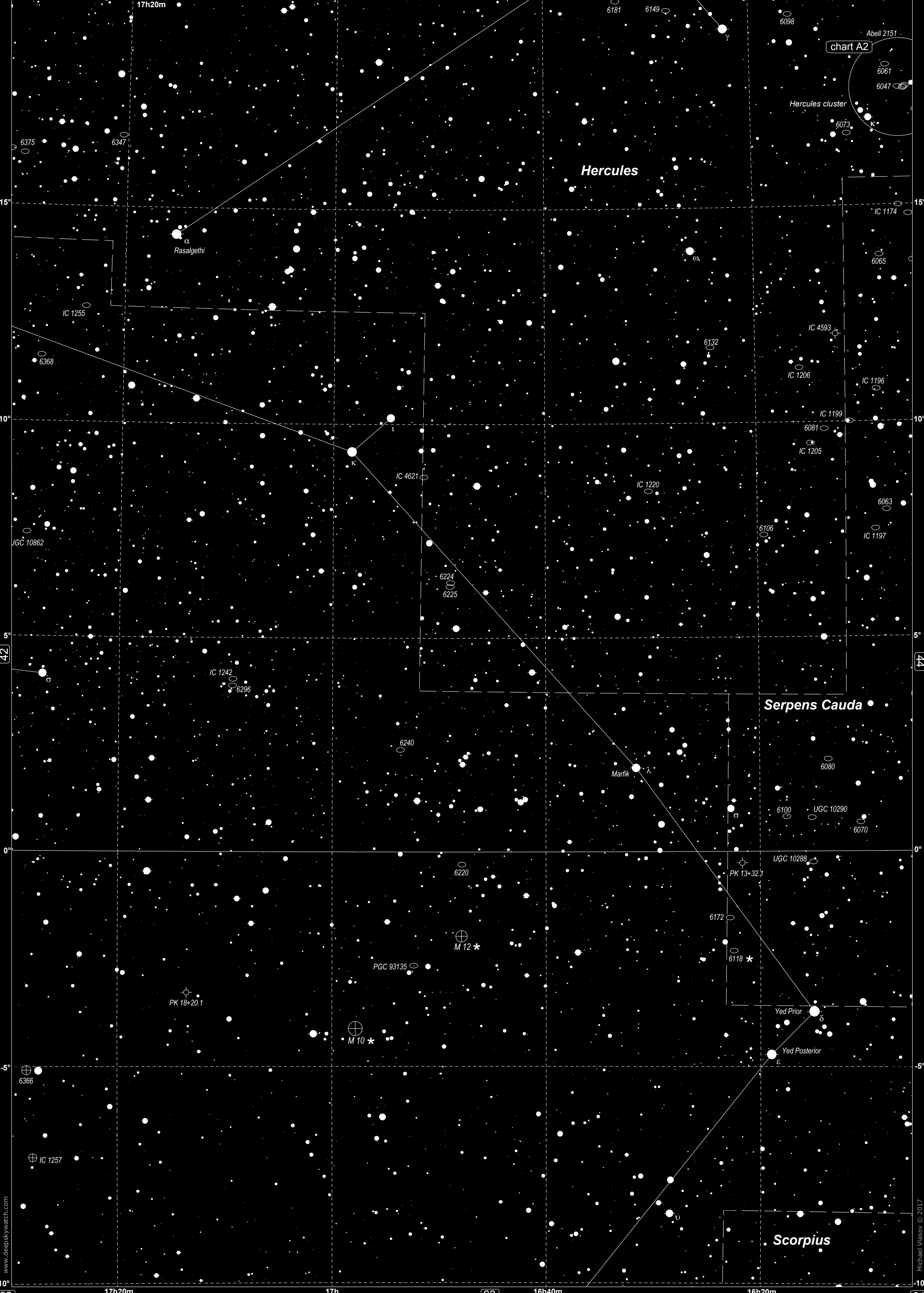


# Chart 40









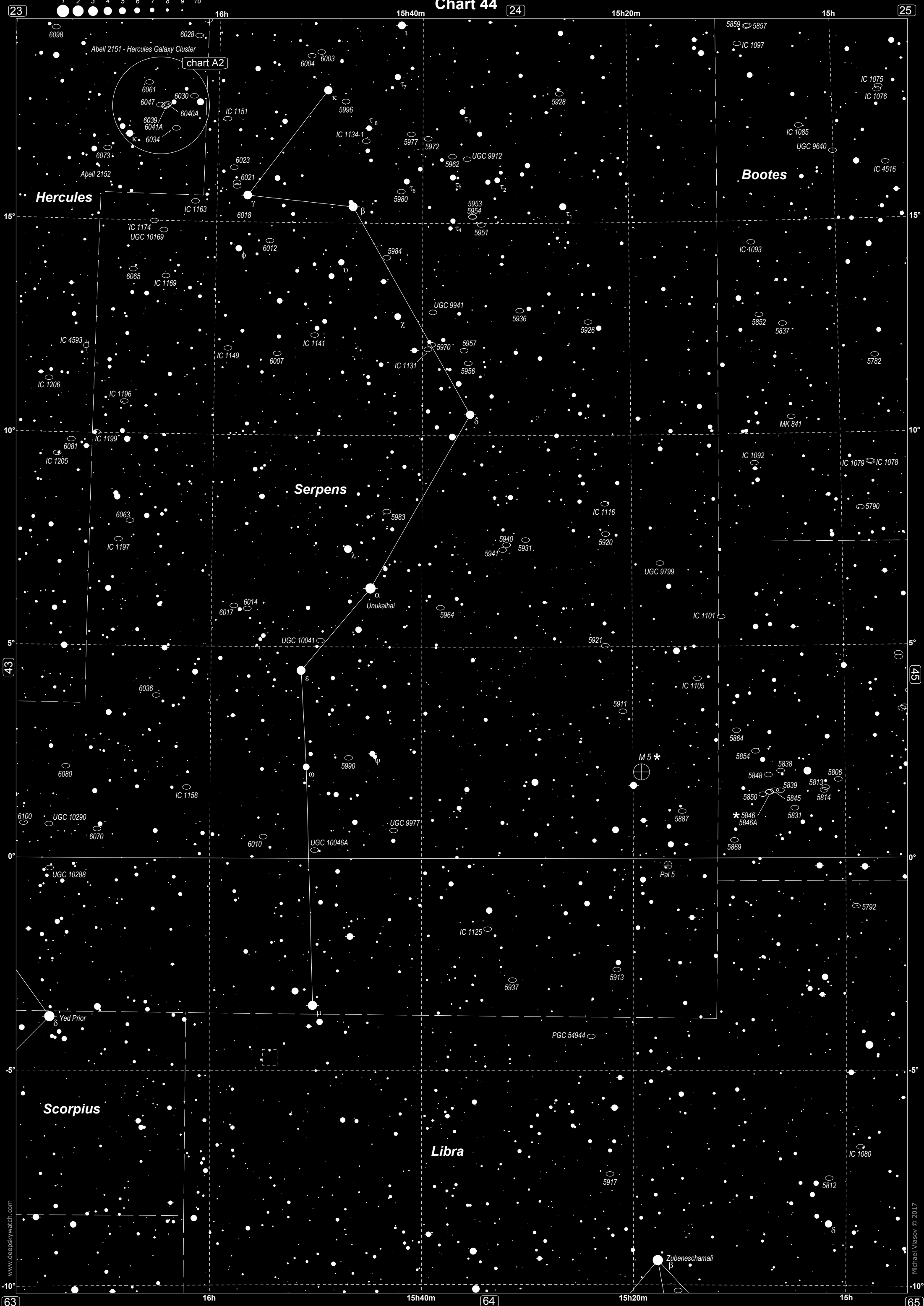


Chart 44

23

24

25

15°

10°

5°

0°

-5°

-10°

16h

15h40m

15h20m

15h

43

45

63

64

65

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Abell 2151 - Hercules Galaxy Cluster

chart A2

Hercules

Bootes

Serpens

Scorpius

Libra

Yed Prior

Unukalhai

M 5

Pal 5

Zubeneschamali

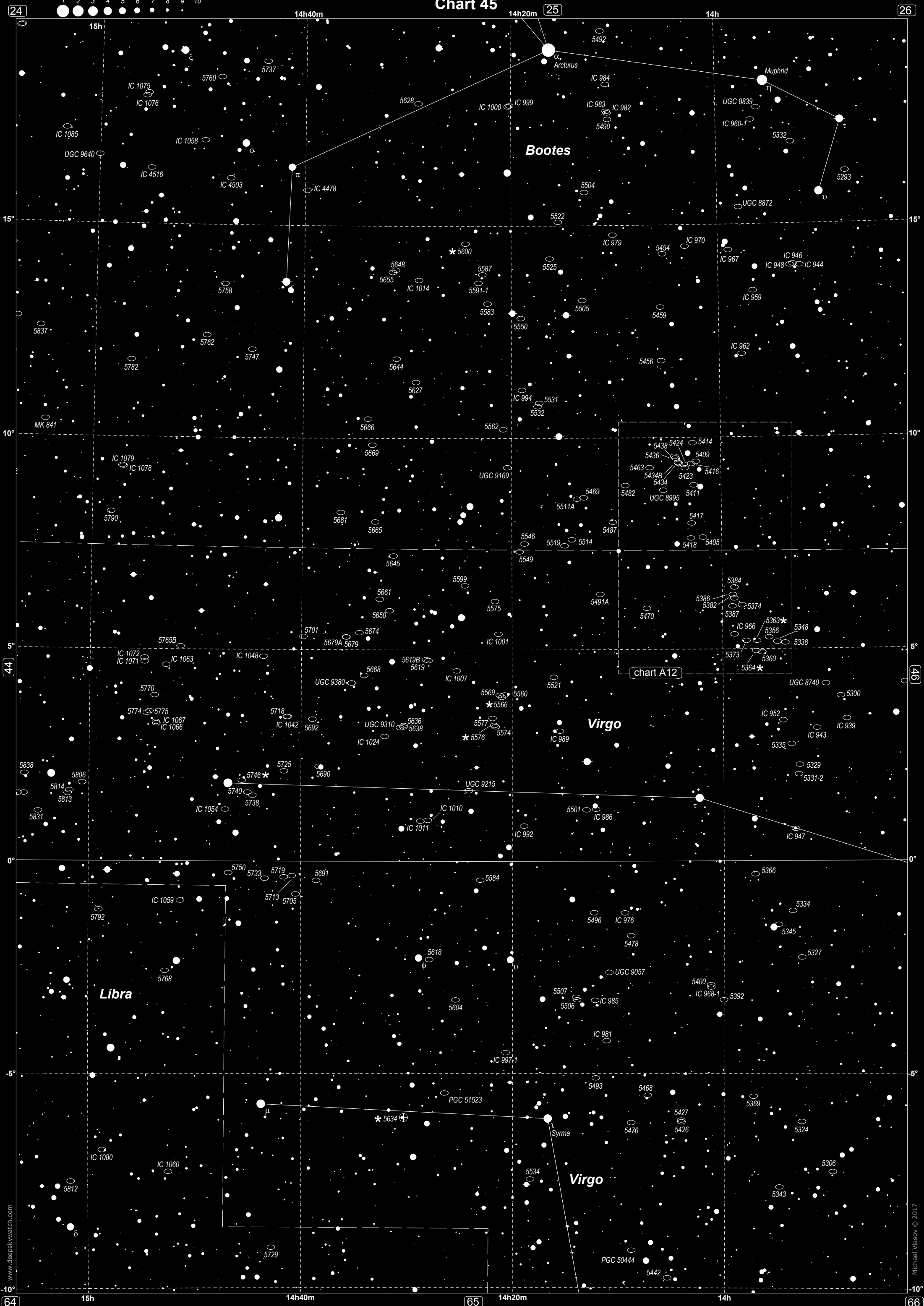


Chart 45

Bootes

Virgo

Libra

Virgo

chart A12

1 2 3 4 5 6 7 8 9 10

24

25

26

15°

15°

10°

10°

5°

5°

0°

0°

-5°

-5°

-10°

-10°

64

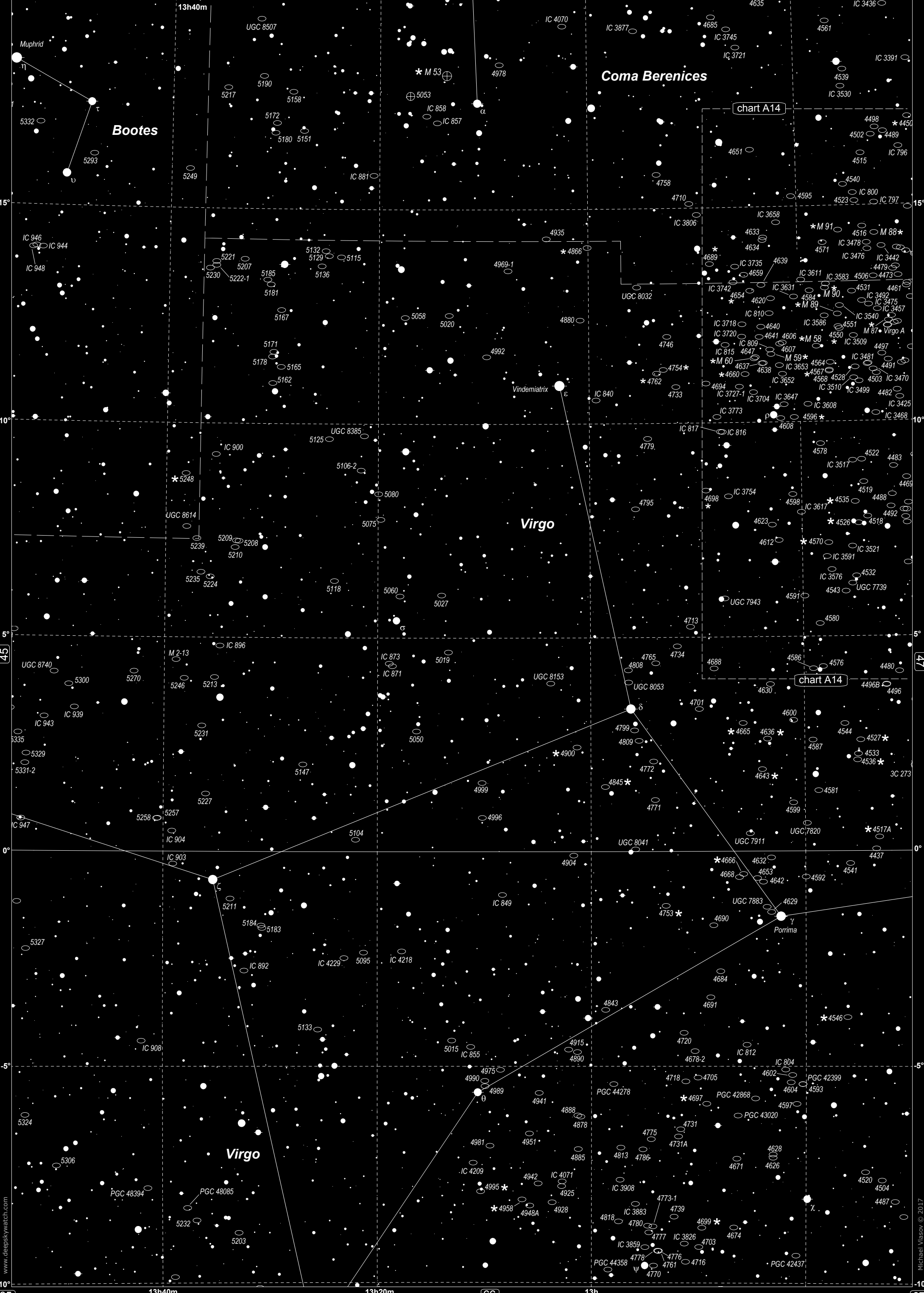
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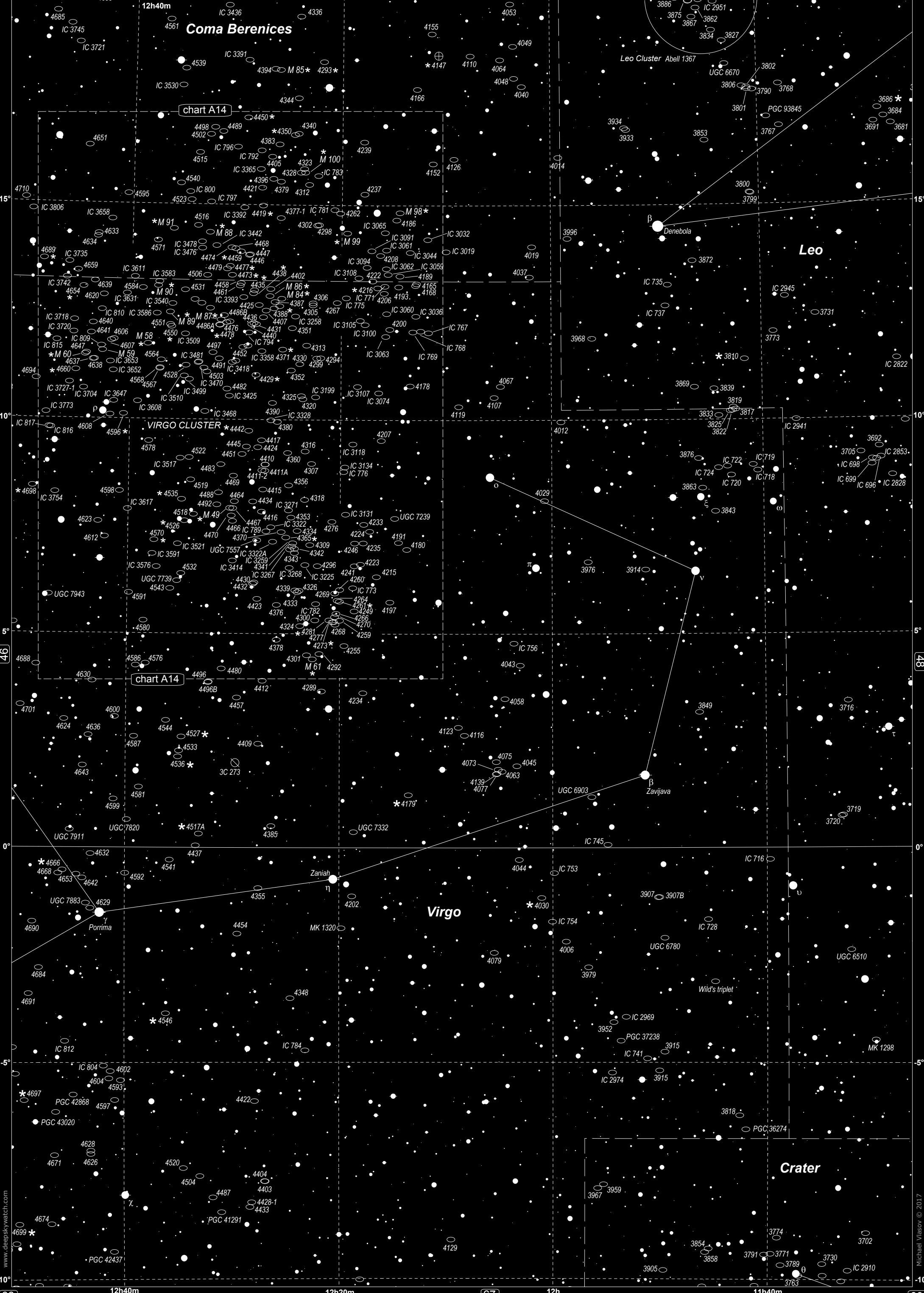
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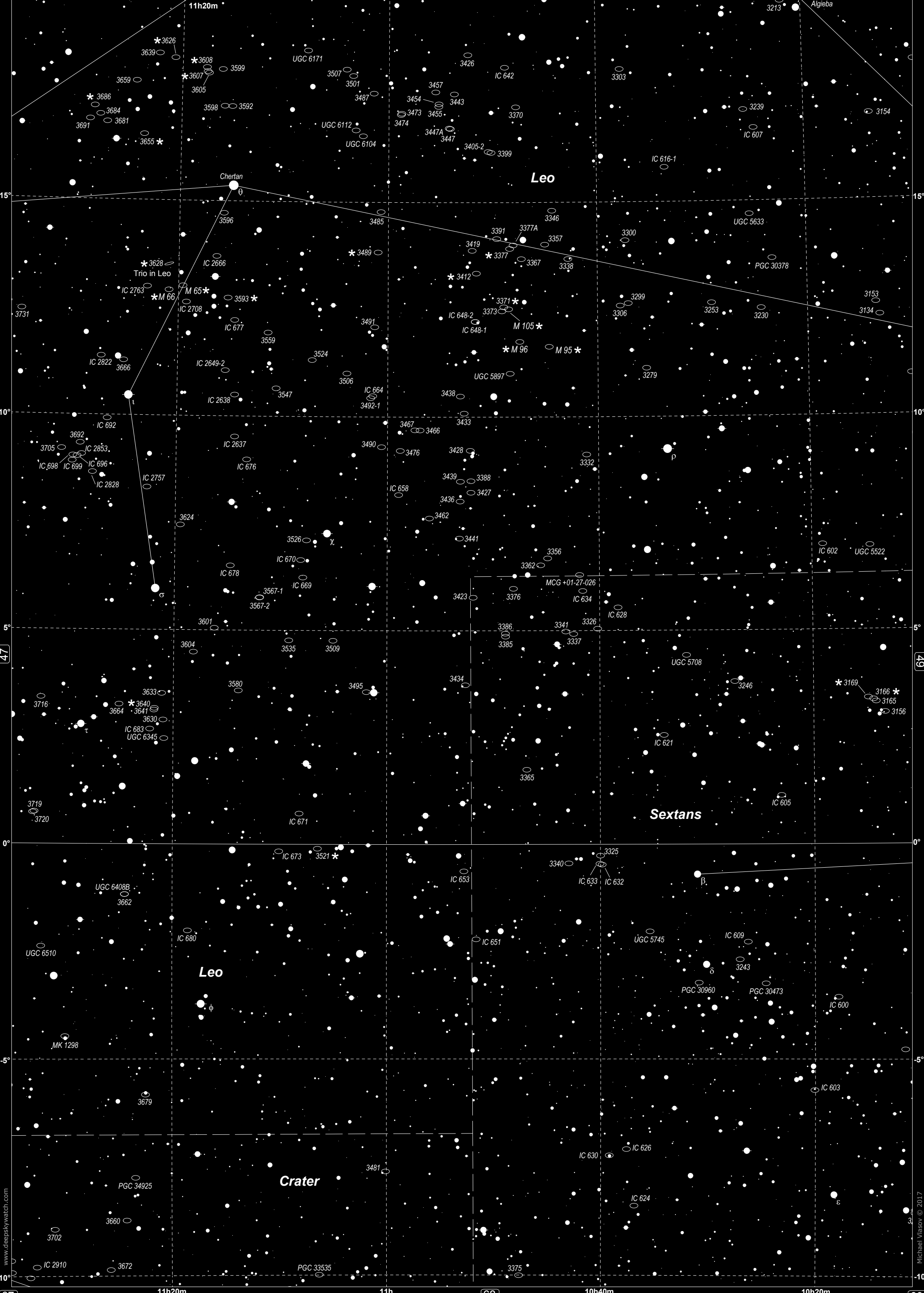
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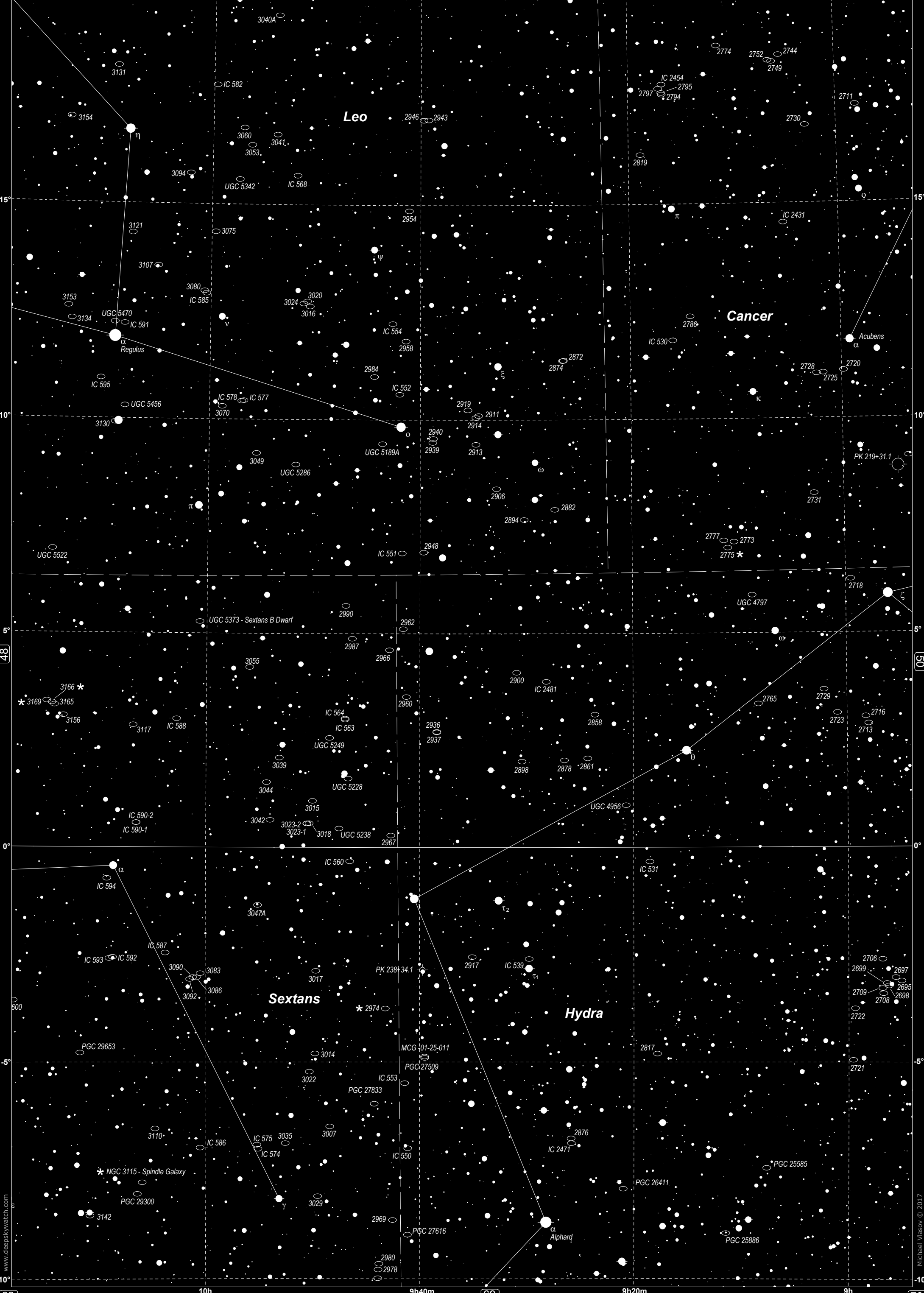






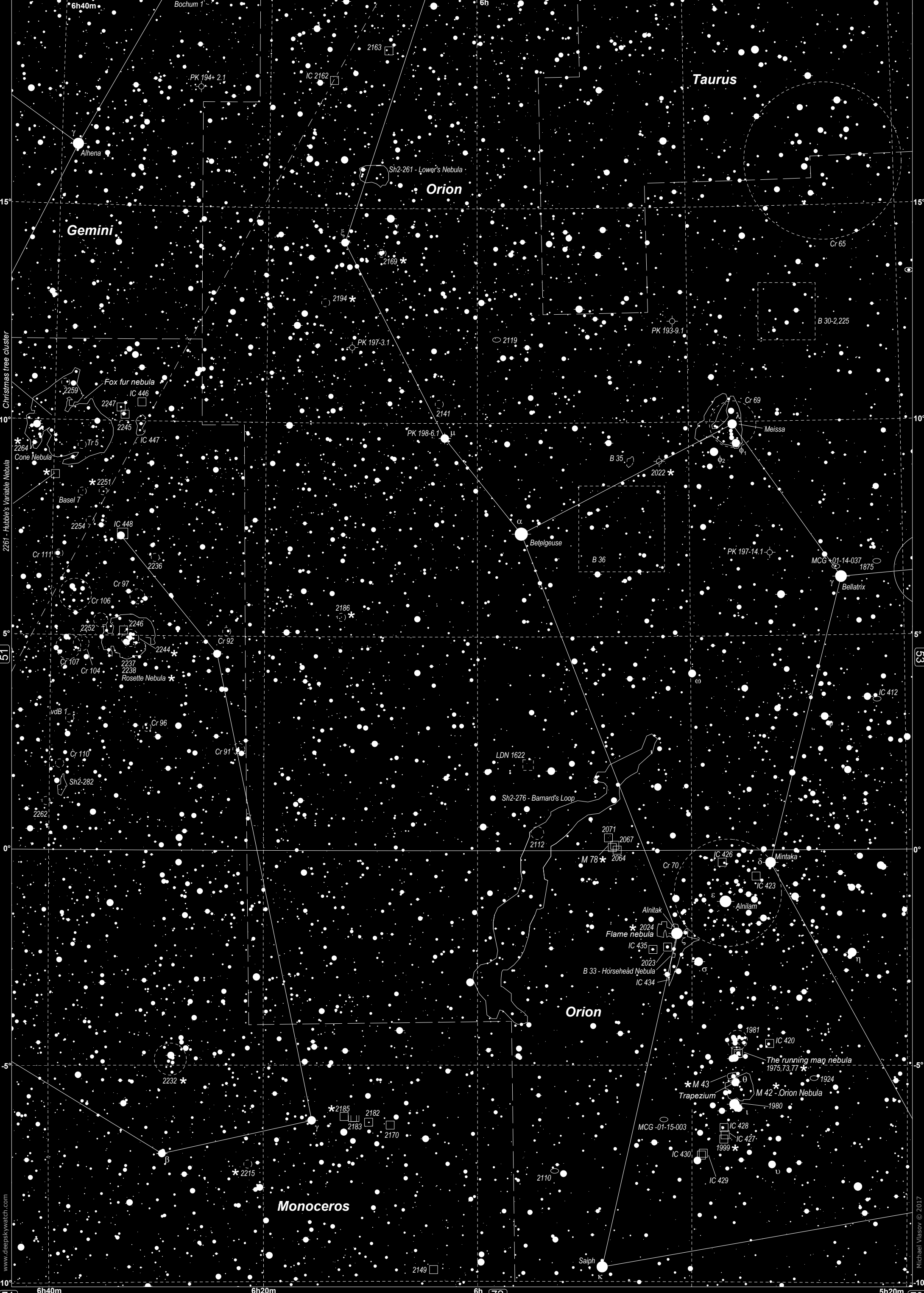
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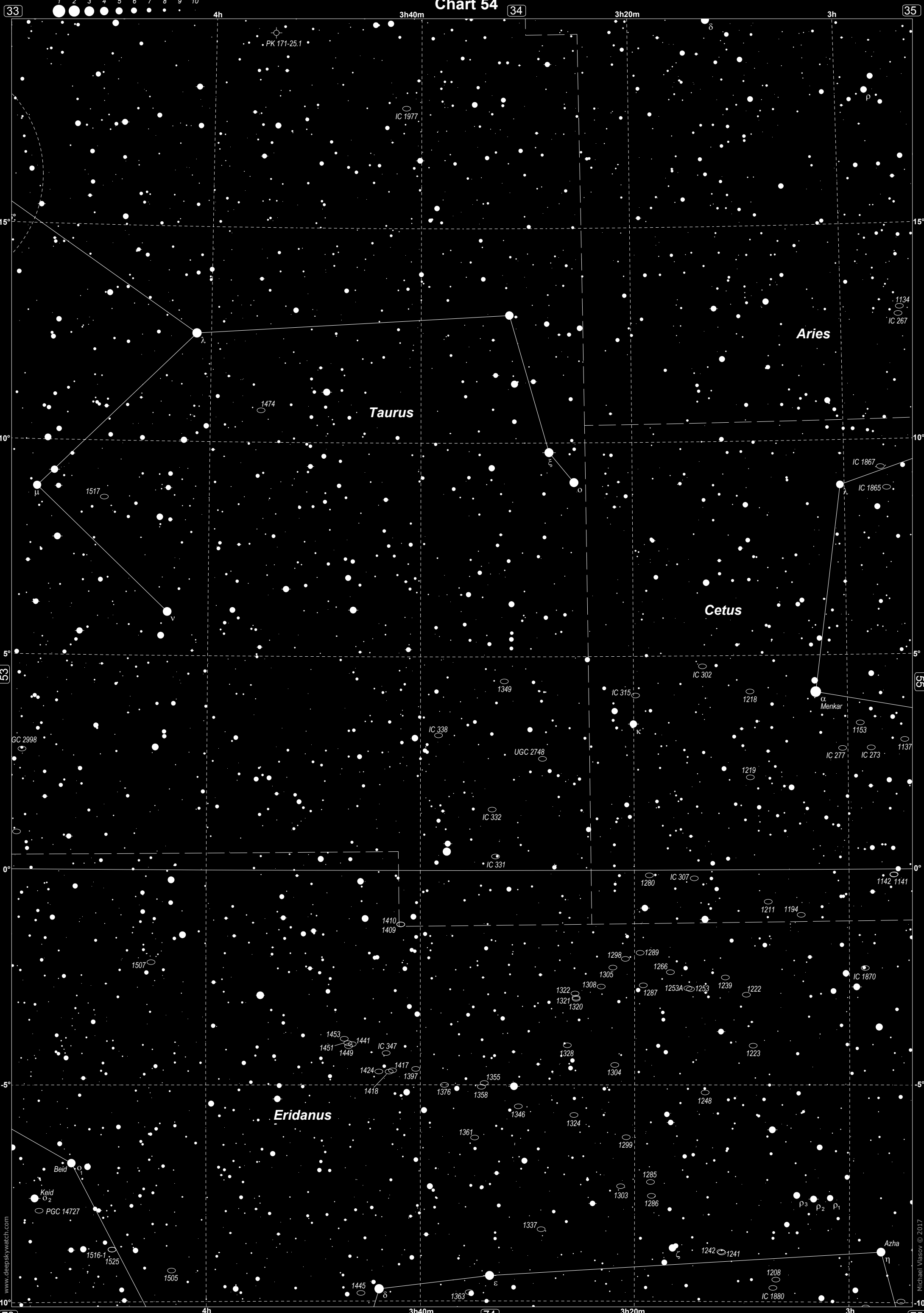


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Chart 54



33

34

35

53

55

73

74

75

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PK 171-25.1

IC 1977

1474

Taurus

Aries

1134  
IC 267

1517

Cetus

IC 1867  
IC 1865

GC 2998

IC 338

UGC 2748

IC 302

α Menkar

1153  
IC 273

1507

1410  
1409

1280

IC 307

1142 1141

1453  
1451  
1449

IC 347

1322  
1321  
1320

1298

1266

1253A

1253

1239

1222

1424  
1417  
1397

1418

1376

1358

1328

1304

1289

1285

1286

1248

Eridanus

1361

1346

1324

1299

1285

1286

1242

1241

Beid  
Keid  
PGC 14727

1516-1  
1525

1505

1445

1363

1337

1303

1285

1286

1242

1241

1208  
IC 1880

Azha  
η

4h

3h40m

3h20m

3h

4h

3h40m

3h20m

3h

15°

10°

5°

0°

-5°

-10°

15°

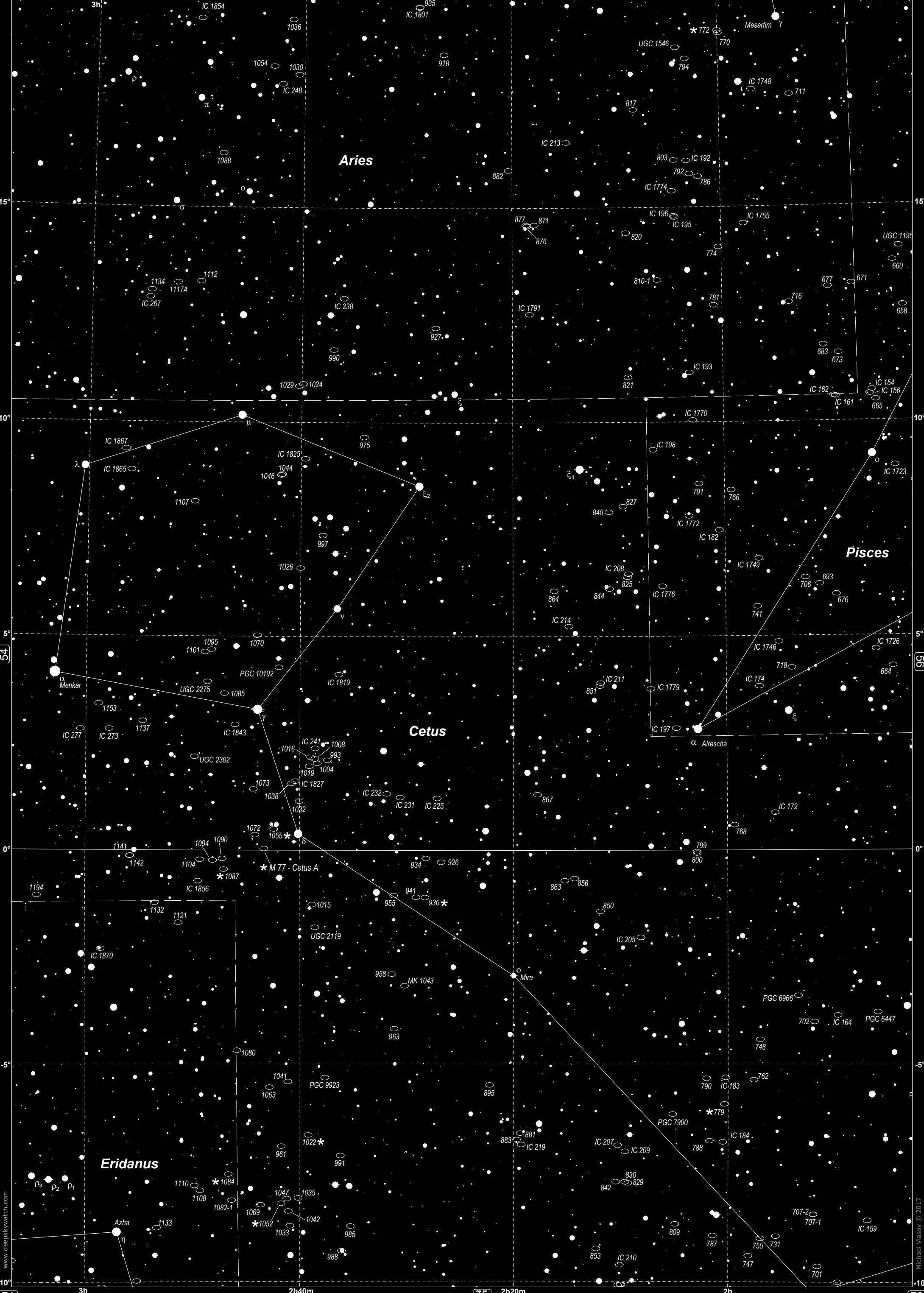
10°

5°

0°

-5°

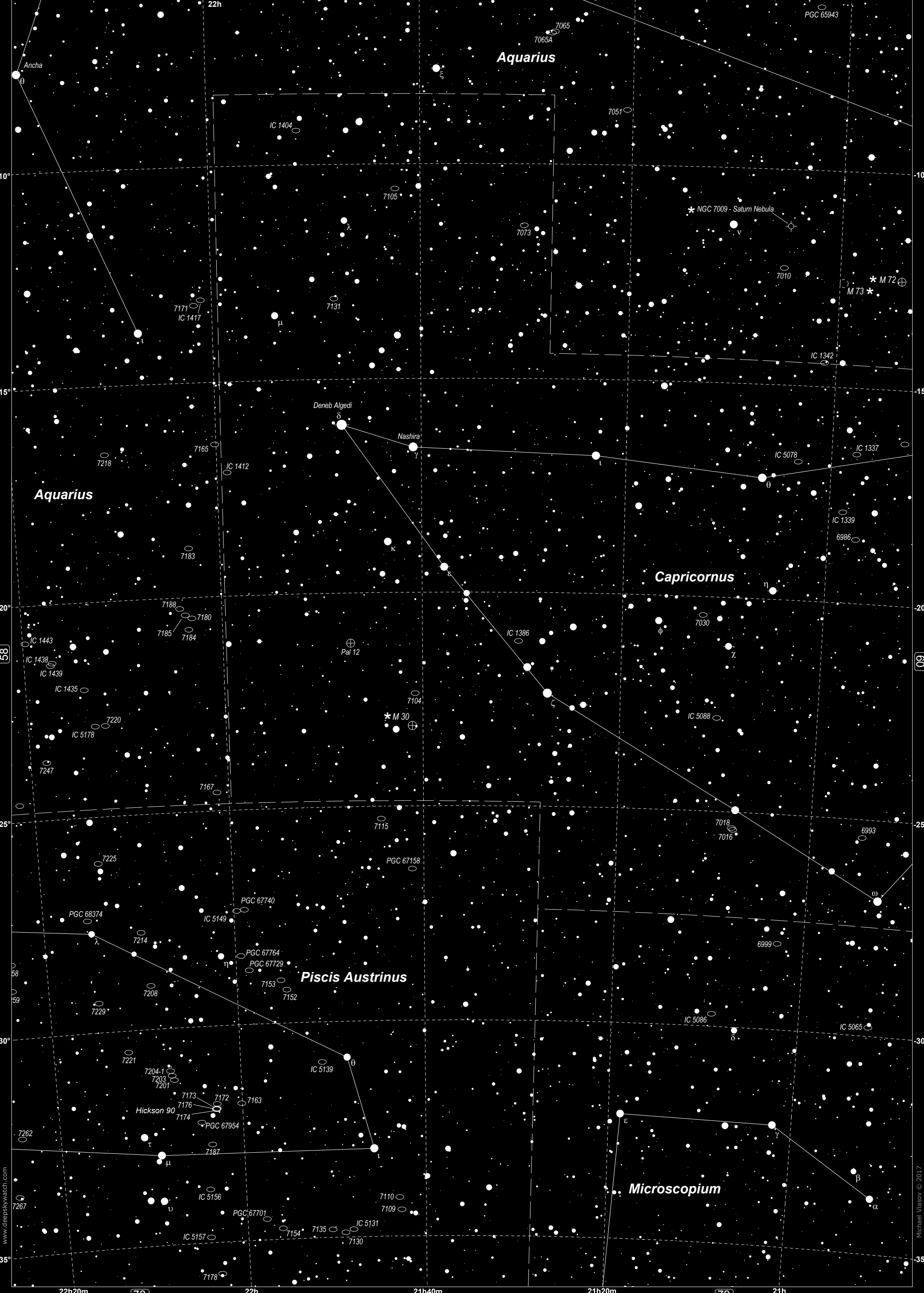
-10°



















Scutum

Ophiuchus

Serpens

Ophiuchus

Sagittarius

Scorpius

chart A15

chart A15



Ophiuchus

Serpens

Ophiuchus

Scorpius

Scorpius

Lupus

62

64

35

35

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83

82



Ophiuchus

Libra

Scorpius

Libra

Lupus

Centaurus

Zubeneschamali  
β

Graffias  
β

IC 4592  
The Blue Horsehead nebula

M 80 \*

IC 4591

PGC 56013

PGC 55081

PGC 54348

PGC 53666

IC 1081  
5791

IC 1077

PGC 53336

5781

5766

5796  
5793

5810

5863

5890

5883

5878

5885

5872

5861

5858

IC 1091

5812

IC 1080

5917

5915

5916

5978

5995

5959

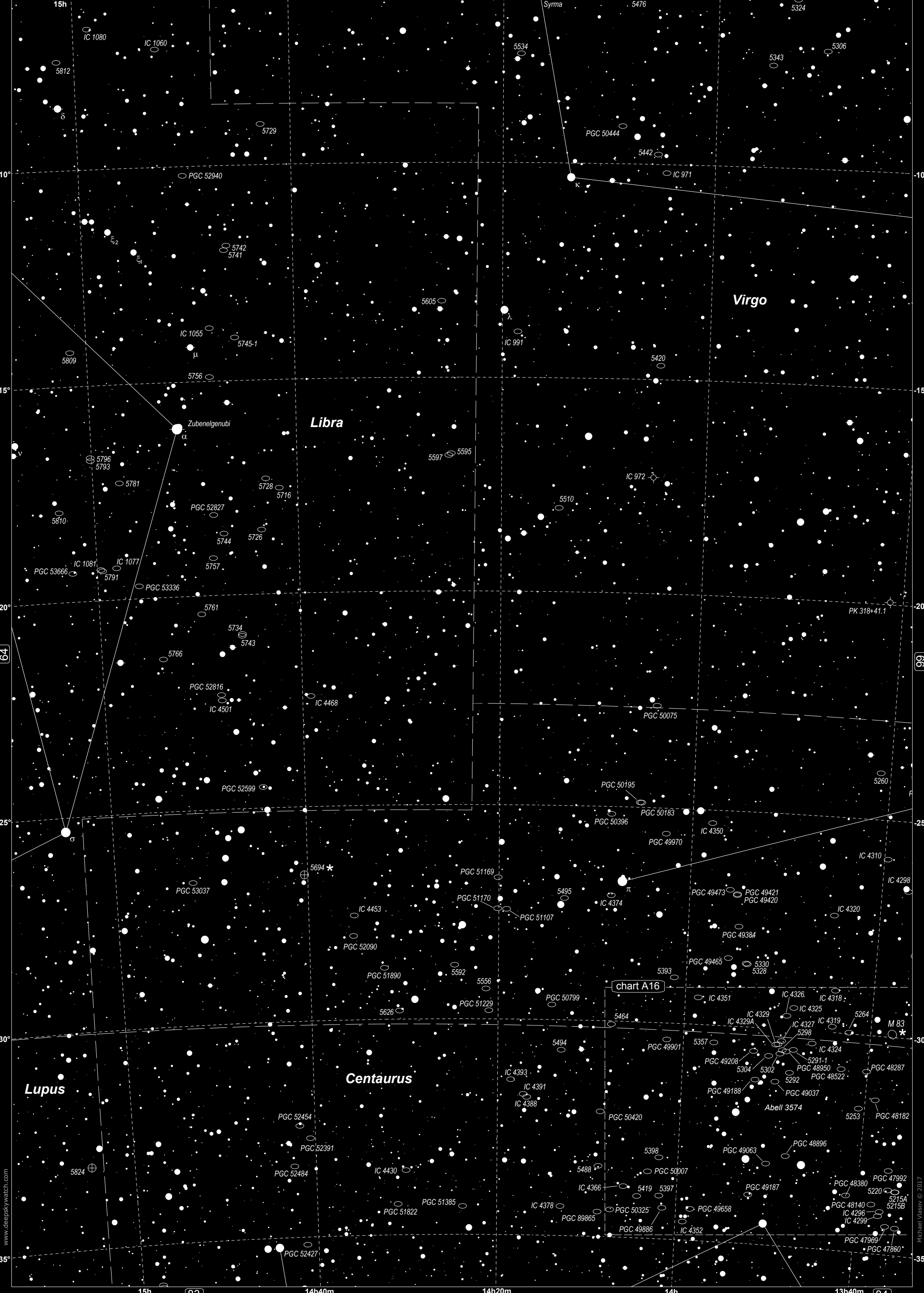
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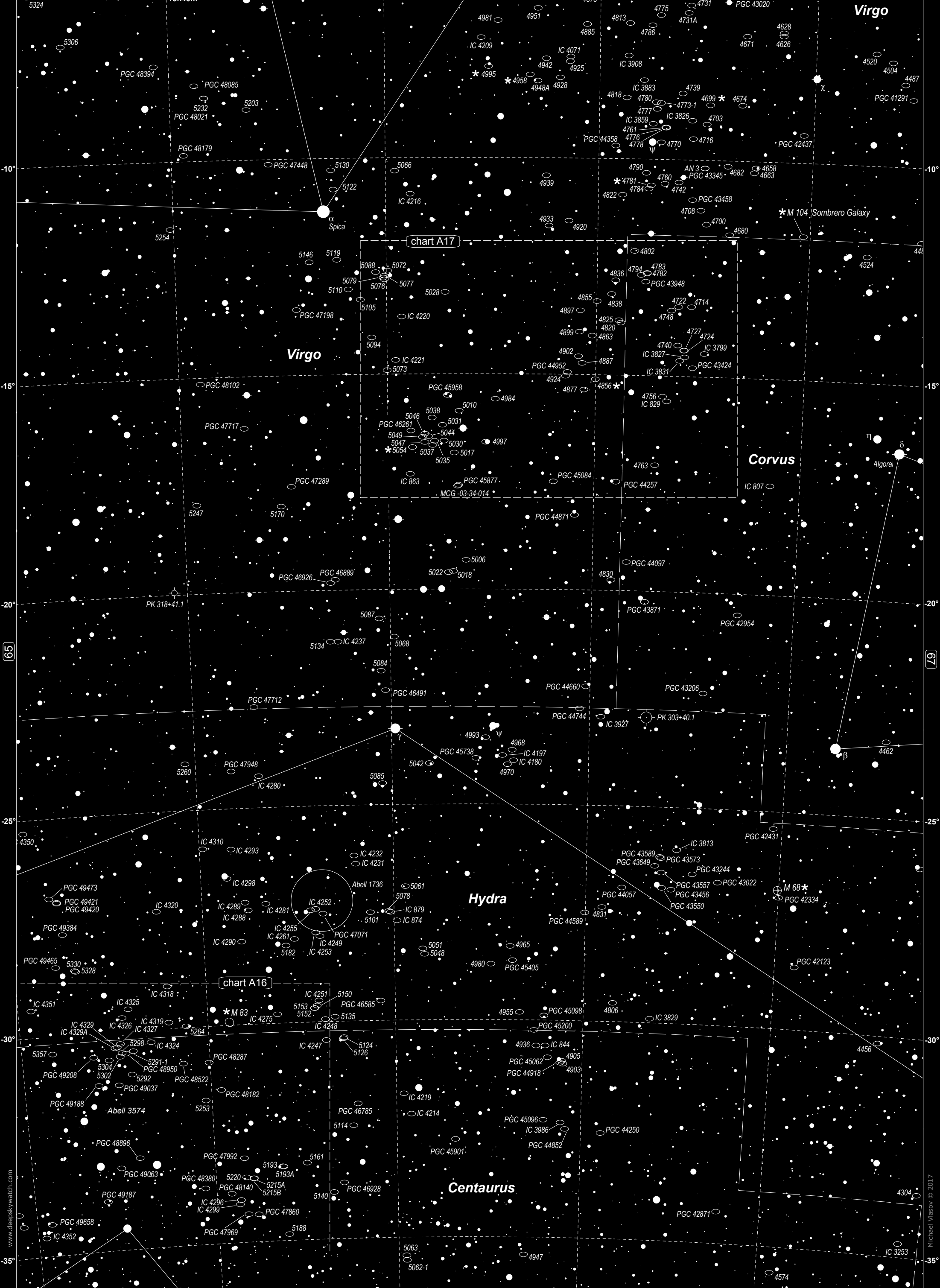
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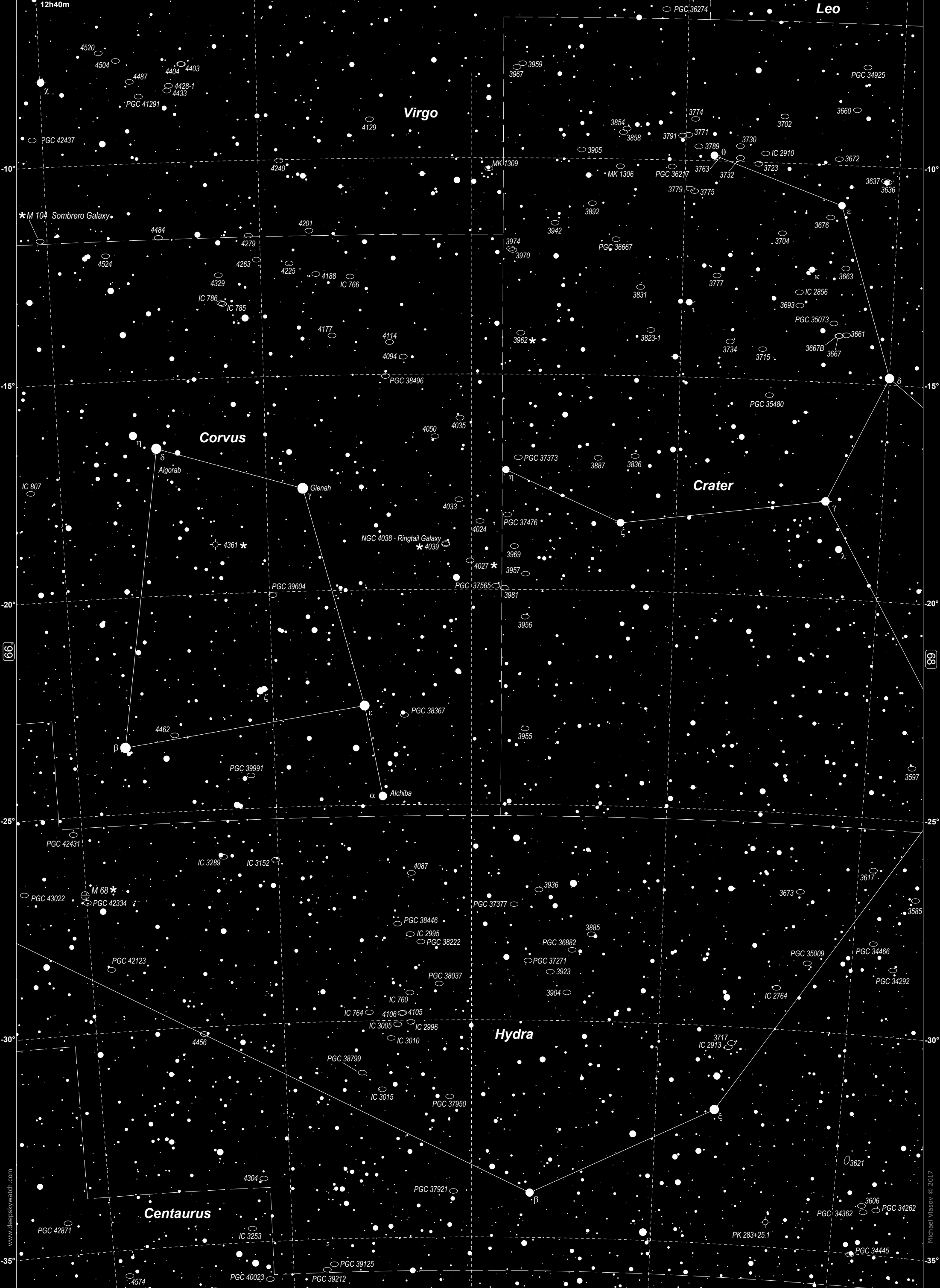
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5995

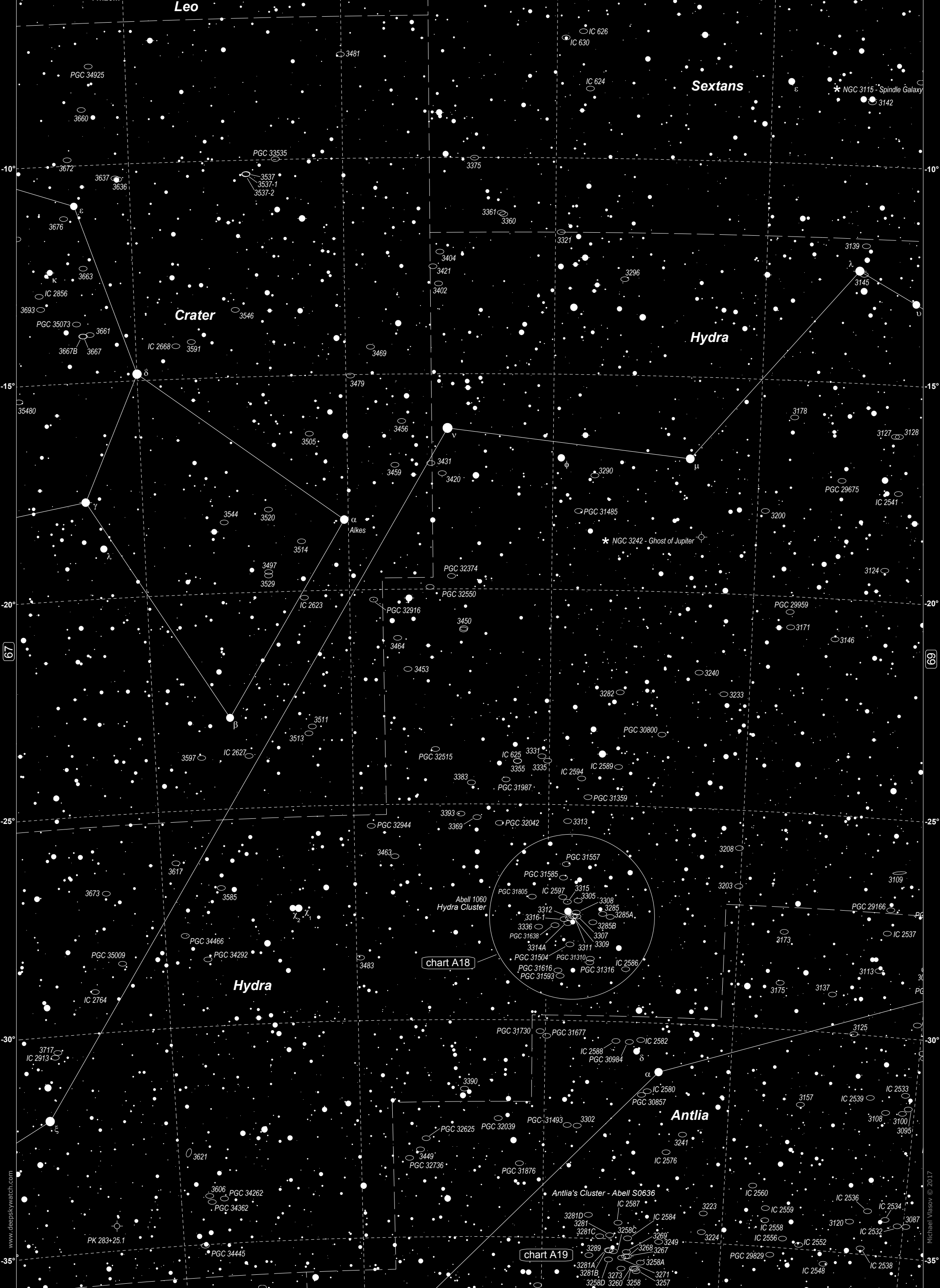






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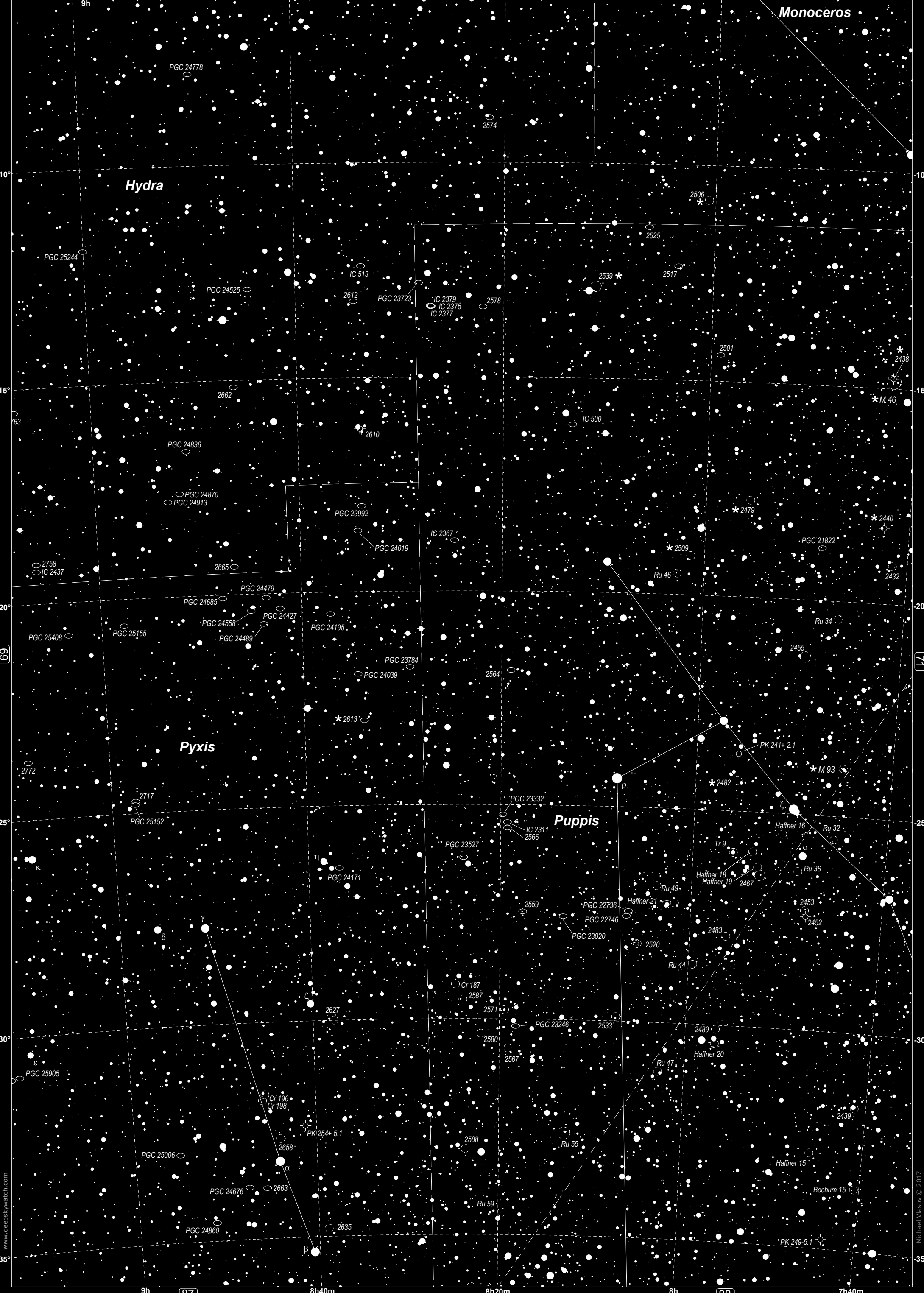
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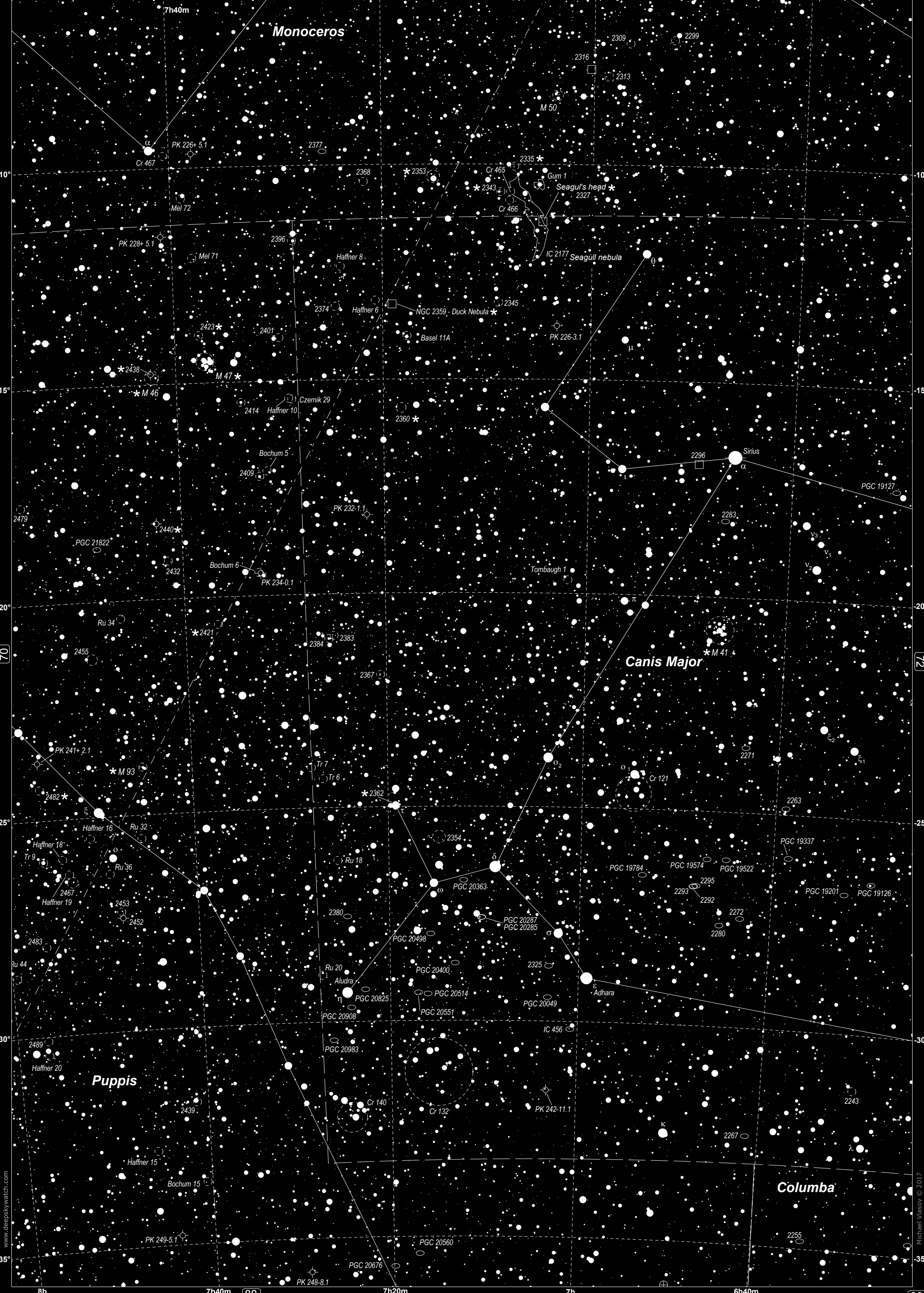


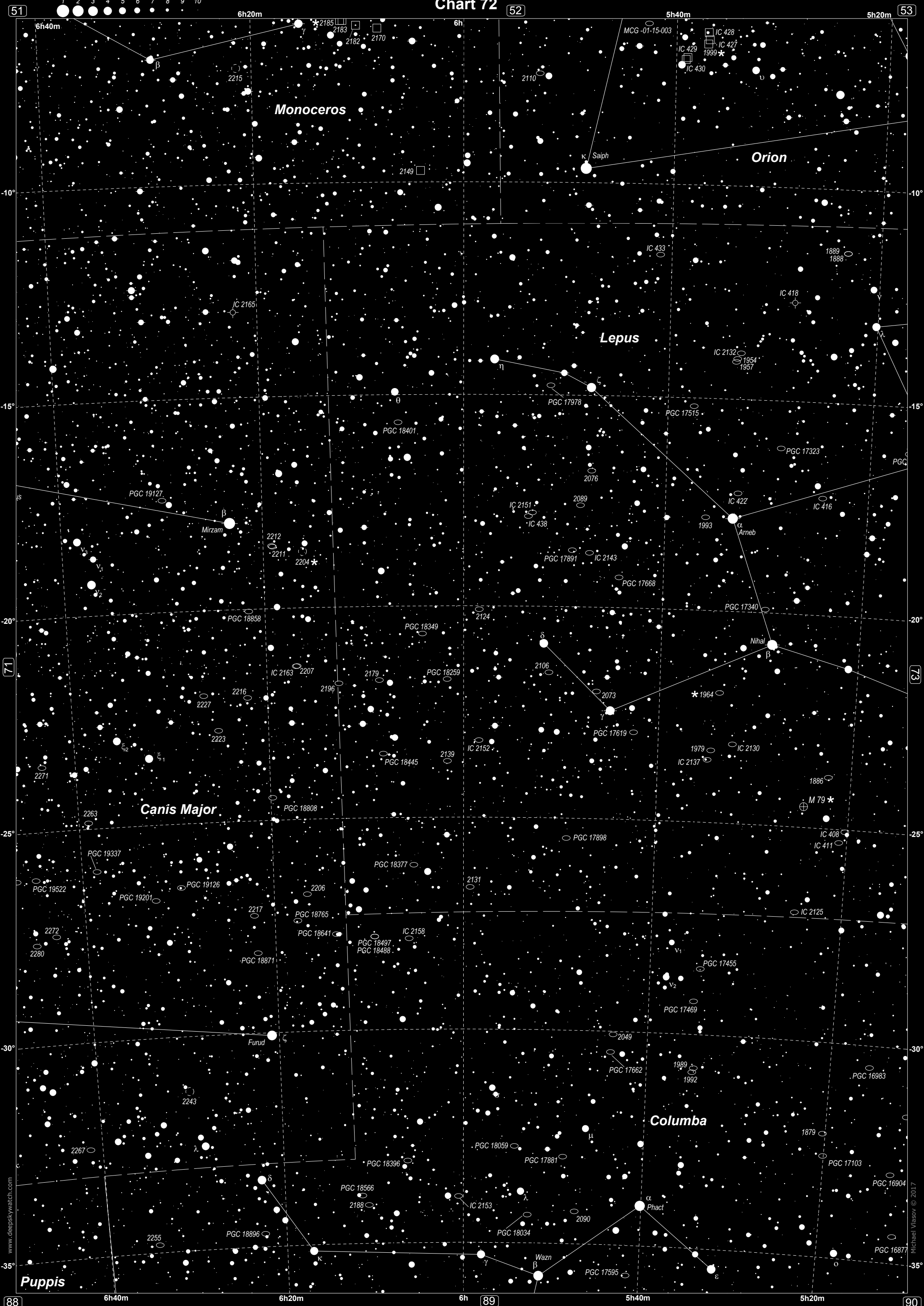
Hydra

Monoceros

Pyxis

Puppis











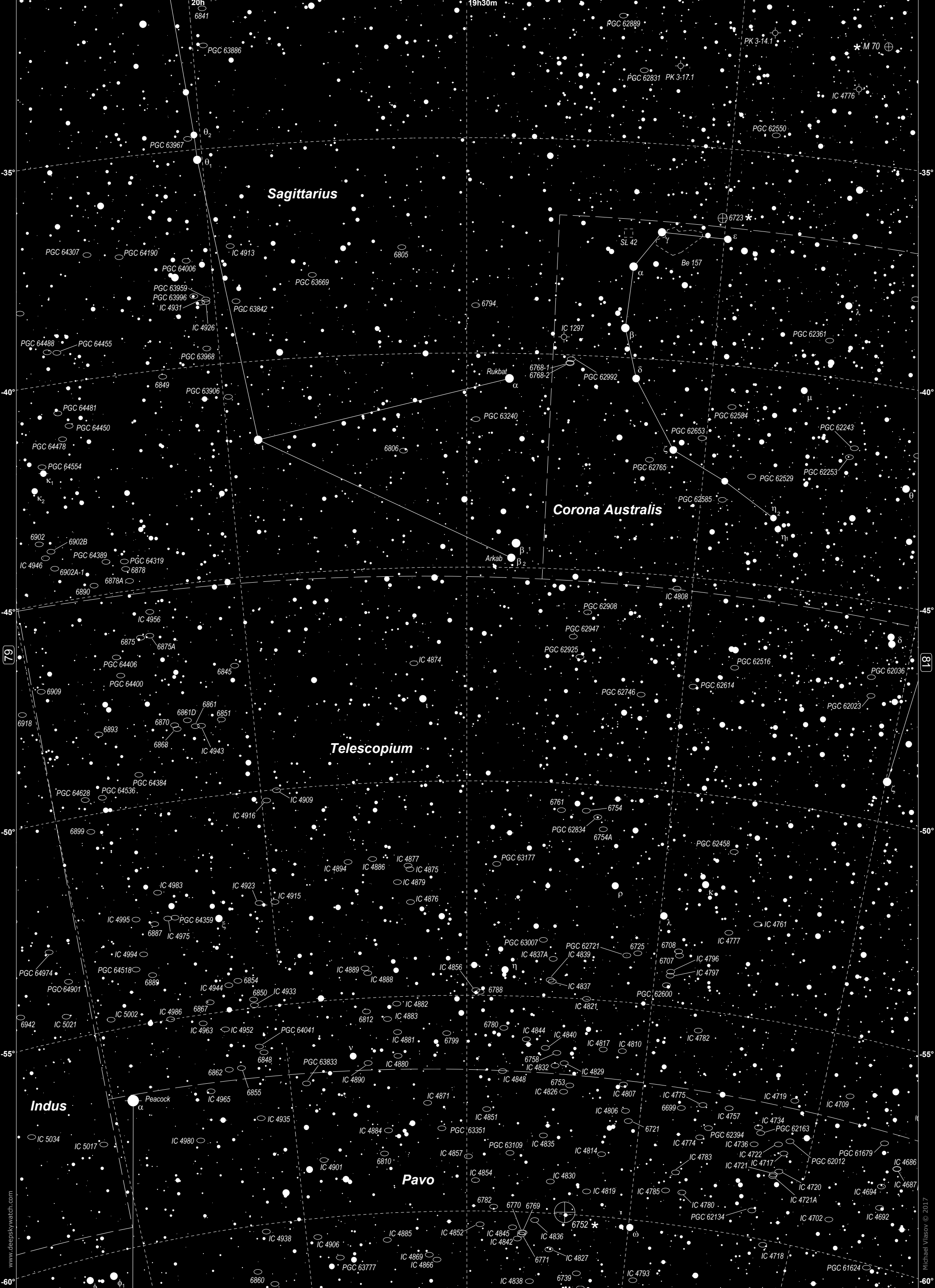












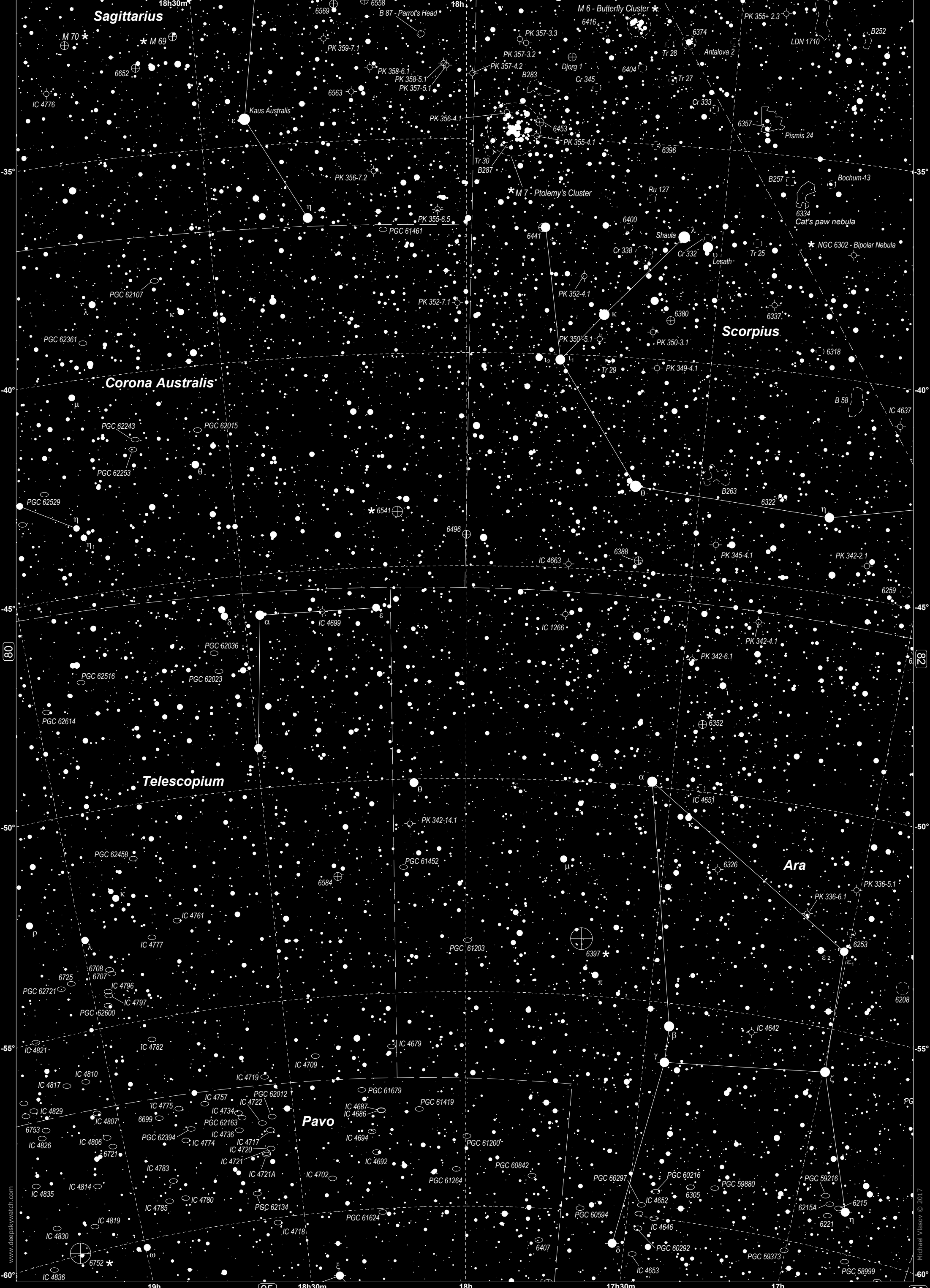








chart A21

Centaurus

Omega Centauri  
NGC 5139

Lupus

Centaurus

Crux

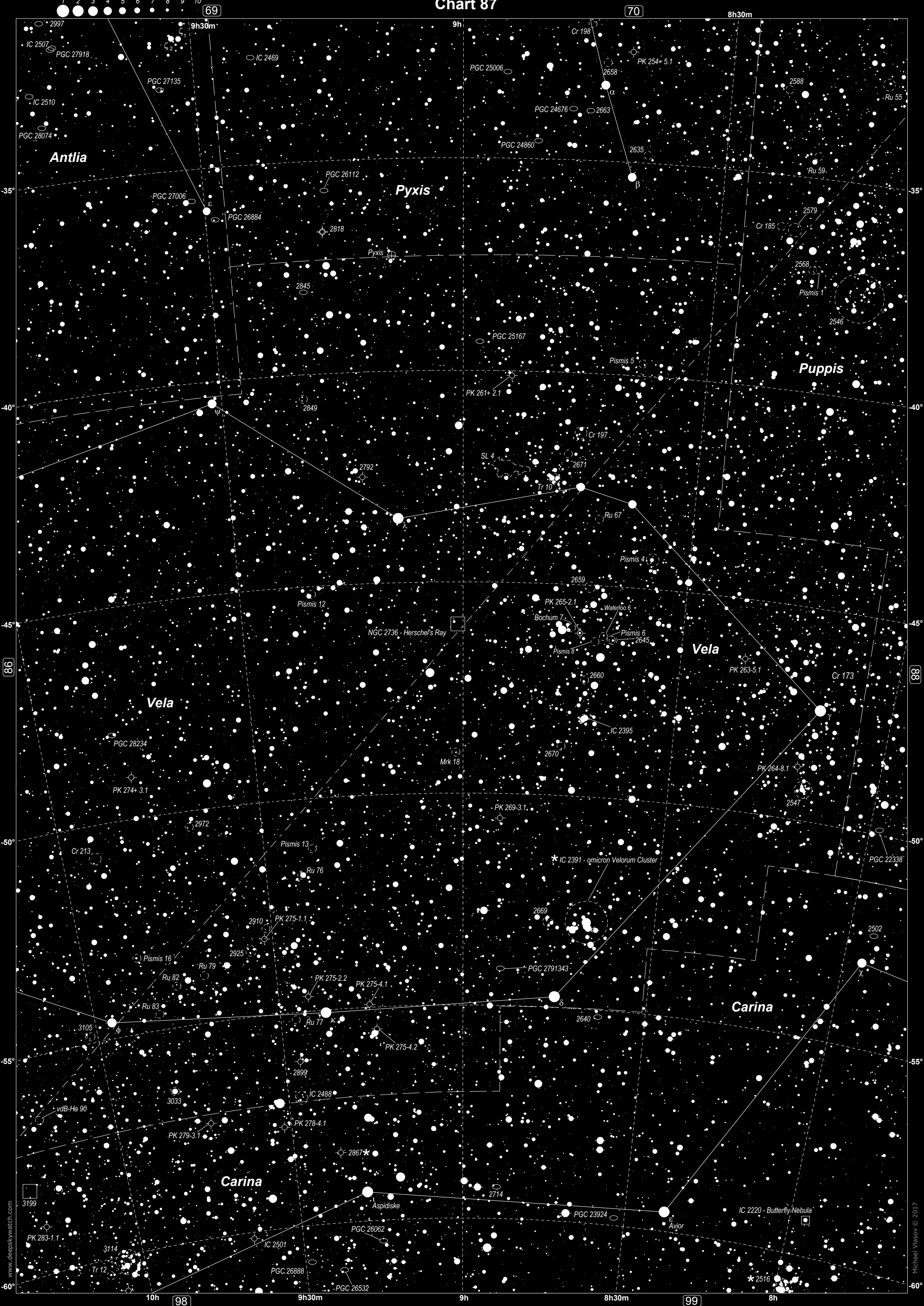
Circinus

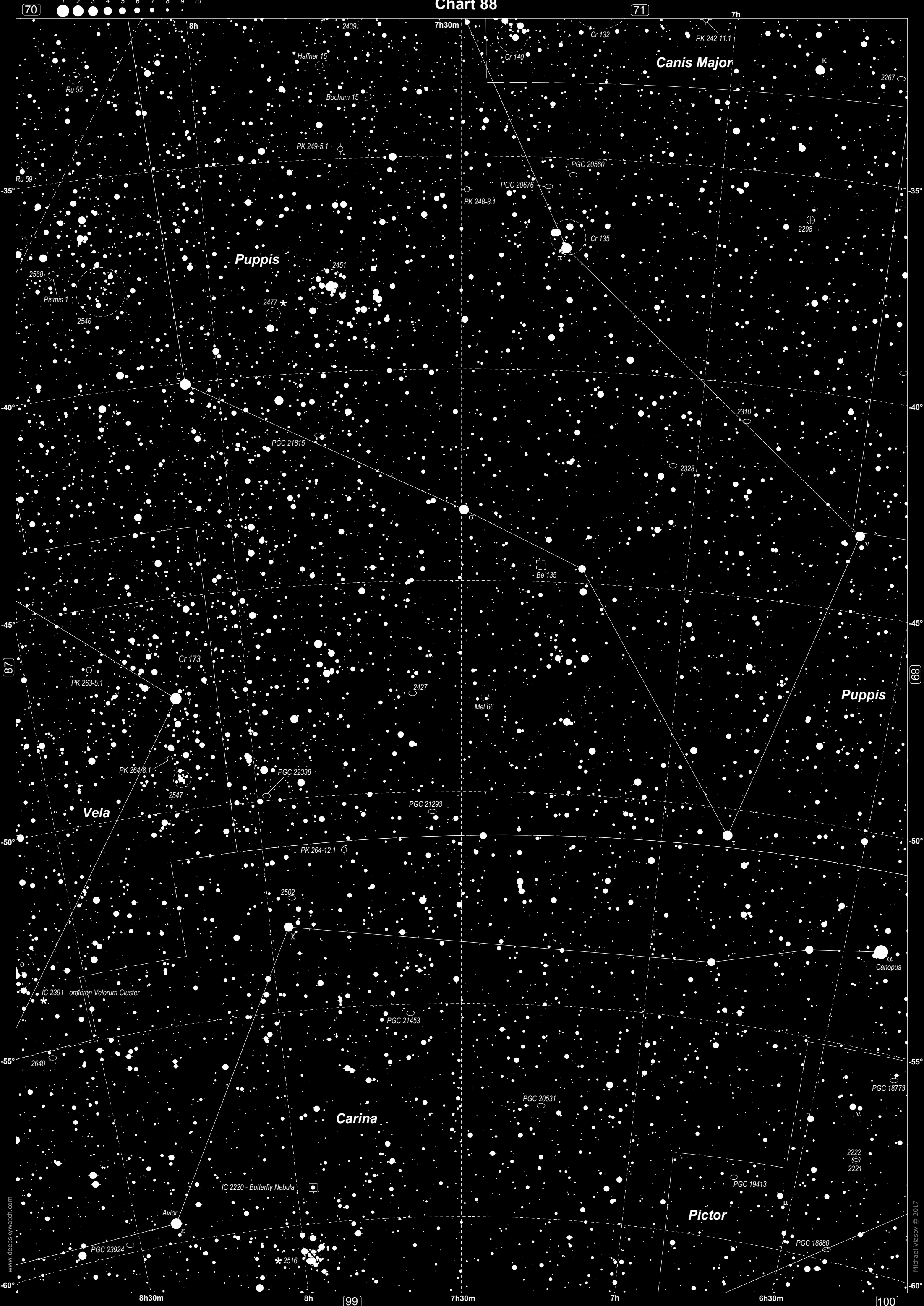






Chart 87





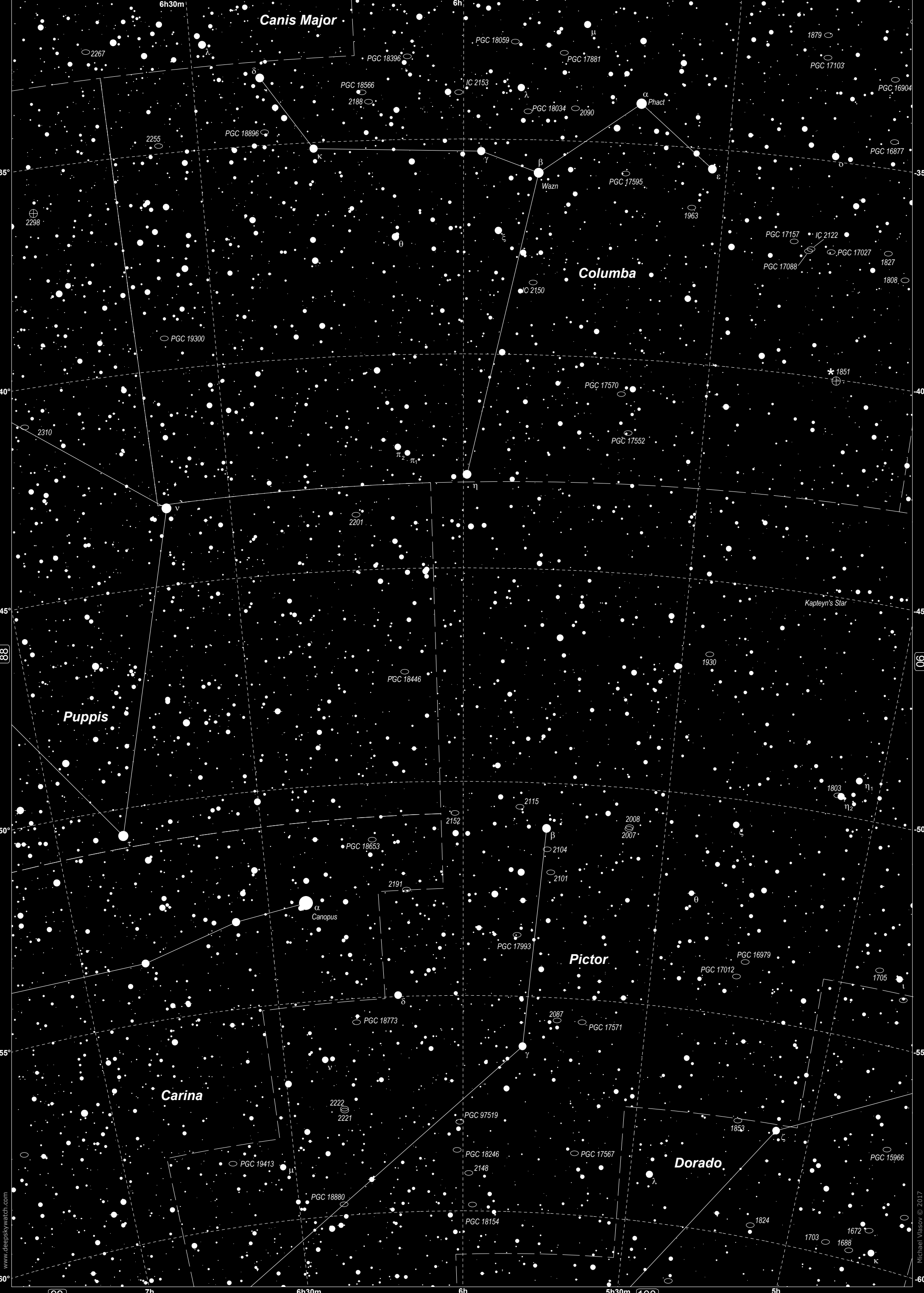


Chart 90

73

74

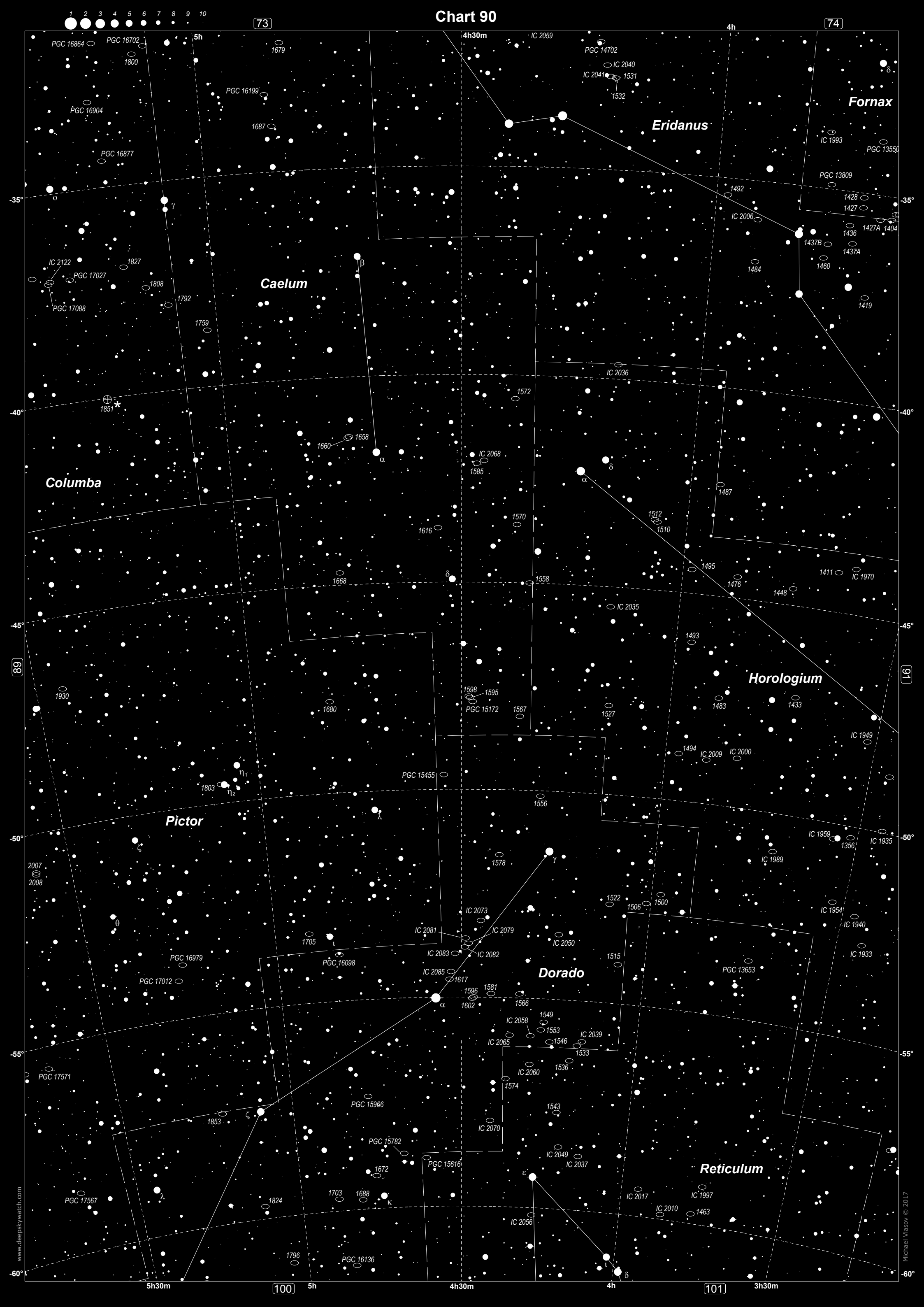


Chart 91





Fornax

Sculptor

Phoenix

Eridanus

Horologium

Tucana

Sculptor Dwarf  
PGC 3589

Achernar  $\alpha$

IC 1788  
857  
IC 1783  
854  
PGC 200044  
824  
PGC 8341  
IC 1796  
893  
889  
862  
939  
822  
824  
939  
IC 1796  
893  
889  
862  
939  
PGC 7766  
PGC 7903  
852  
795  
745-2  
745-1  
782  
1096  
888  
PGC 94889  
1031  
1025  
888  
852  
795  
745-2  
745-1  
782  
1096  
888  
PGC 94889

IC 1759  
IC 1762  
IC 1734  
IC 1728  
IC 1722  
IC 1719  
IC 1724  
698  
696  
PGC 6357  
PGC 5964  
623  
612  
619  
633  
630  
626  
PGC 5742  
PGC 5915  
PGC 6430  
PGC 6830  
PGC 6104  
PGC 6994  
PGC 7766  
PGC 7903  
852  
795  
745-2  
745-1  
782  
1096  
888  
PGC 94889

1h30m  
441  
IC 1657  
491A  
461  
491  
526A  
526B  
527-1  
PGC 131942  
574  
568  
546  
544  
534  
438  
424  
415  
365  
334  
409  
482  
PGC 5597  
641  
PGC 6104  
576  
576  
454-2  
454-1  
IC 1649  
PGC 127830  
434  
440  
484  
466  
432  
441  
IC 1657  
491A  
461  
491  
526A  
526B  
527-1  
PGC 131942  
574  
568  
546  
544  
534  
438  
424  
415  
365  
334  
409  
482  
PGC 5597  
641  
PGC 6104  
576  
576  
454-2  
454-1  
IC 1649  
PGC 127830  
434  
440  
484  
466  
432

1h  
IC 1608  
314  
254  
IC 1609  
324  
319  
IC 1603  
IC 1605  
238  
IC 1650  
IC 1617  
IC 1615  
312  
323  
328  
348  
215  
212  
159  
PGC 94934  
119  
53  
IC 1608  
314  
254  
IC 1609  
324  
319  
IC 1603  
IC 1605  
238  
IC 1650  
IC 1617  
IC 1615  
312  
323  
328  
348  
215  
212  
159  
PGC 94934  
119  
53

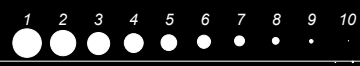




Chart 94



Tucana

Pavo

Hydrus

Octans

Apus

1 2 3 4 5 6 7 8 9 10

78

79

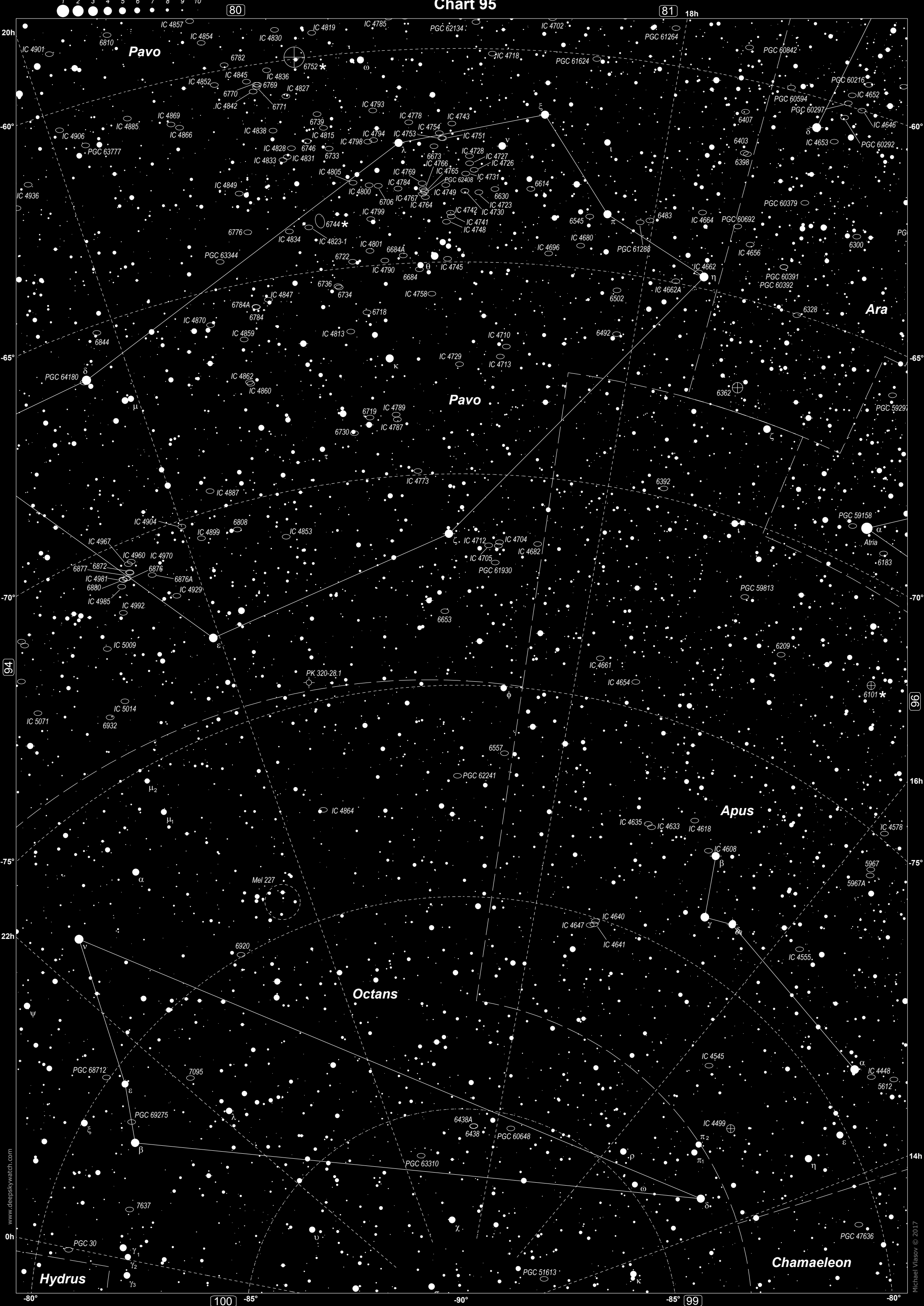
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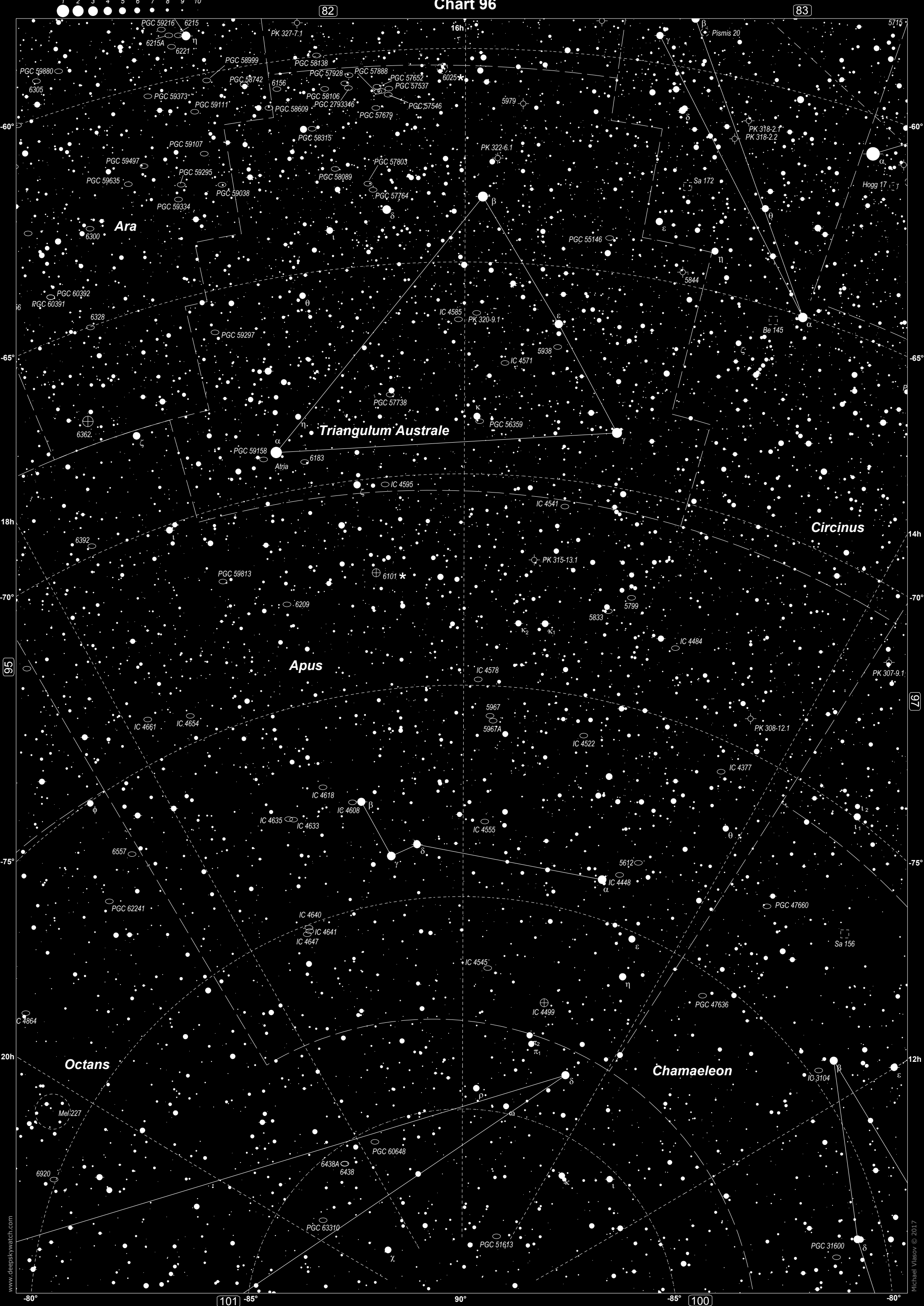
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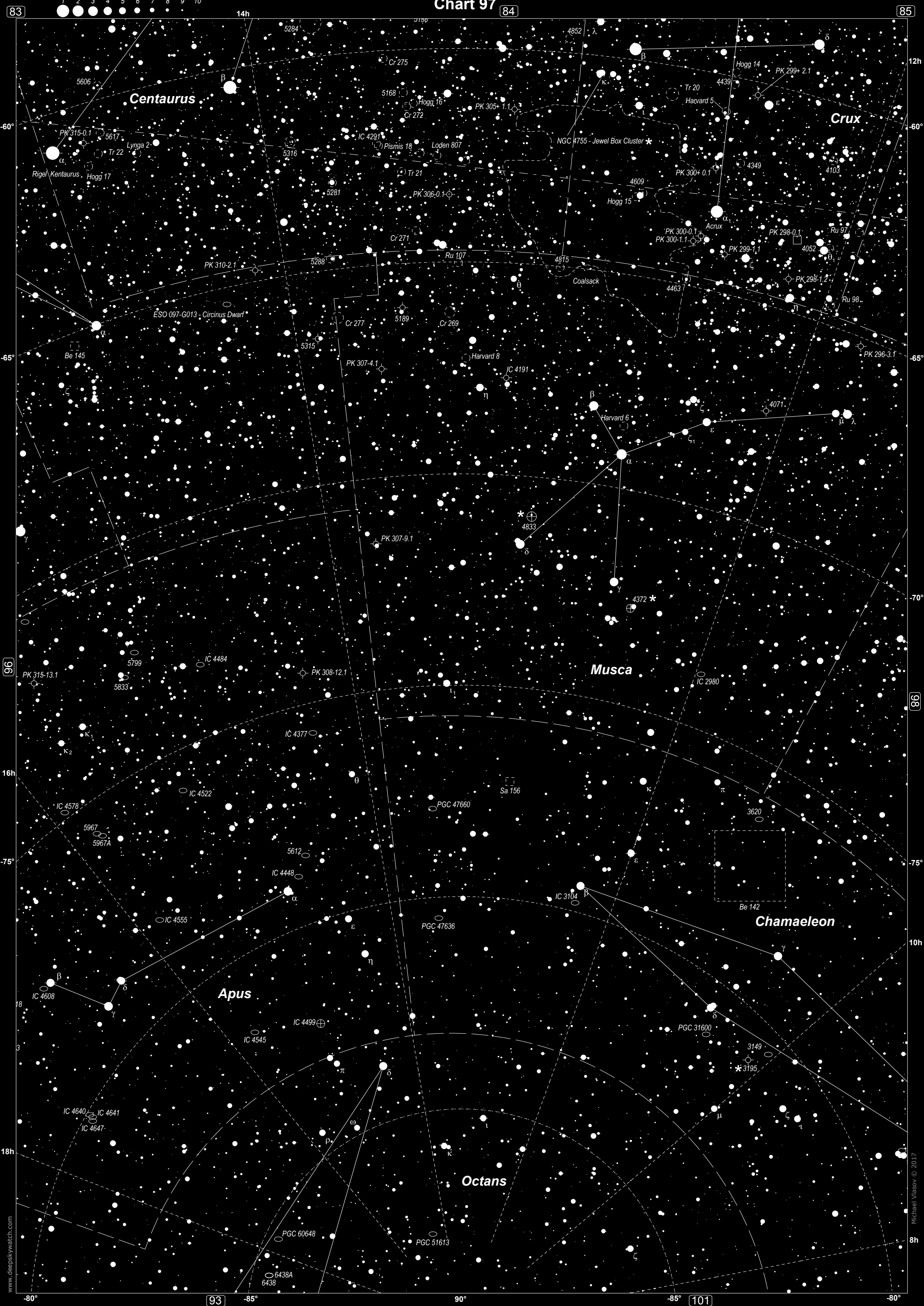
99

98

Chart 95









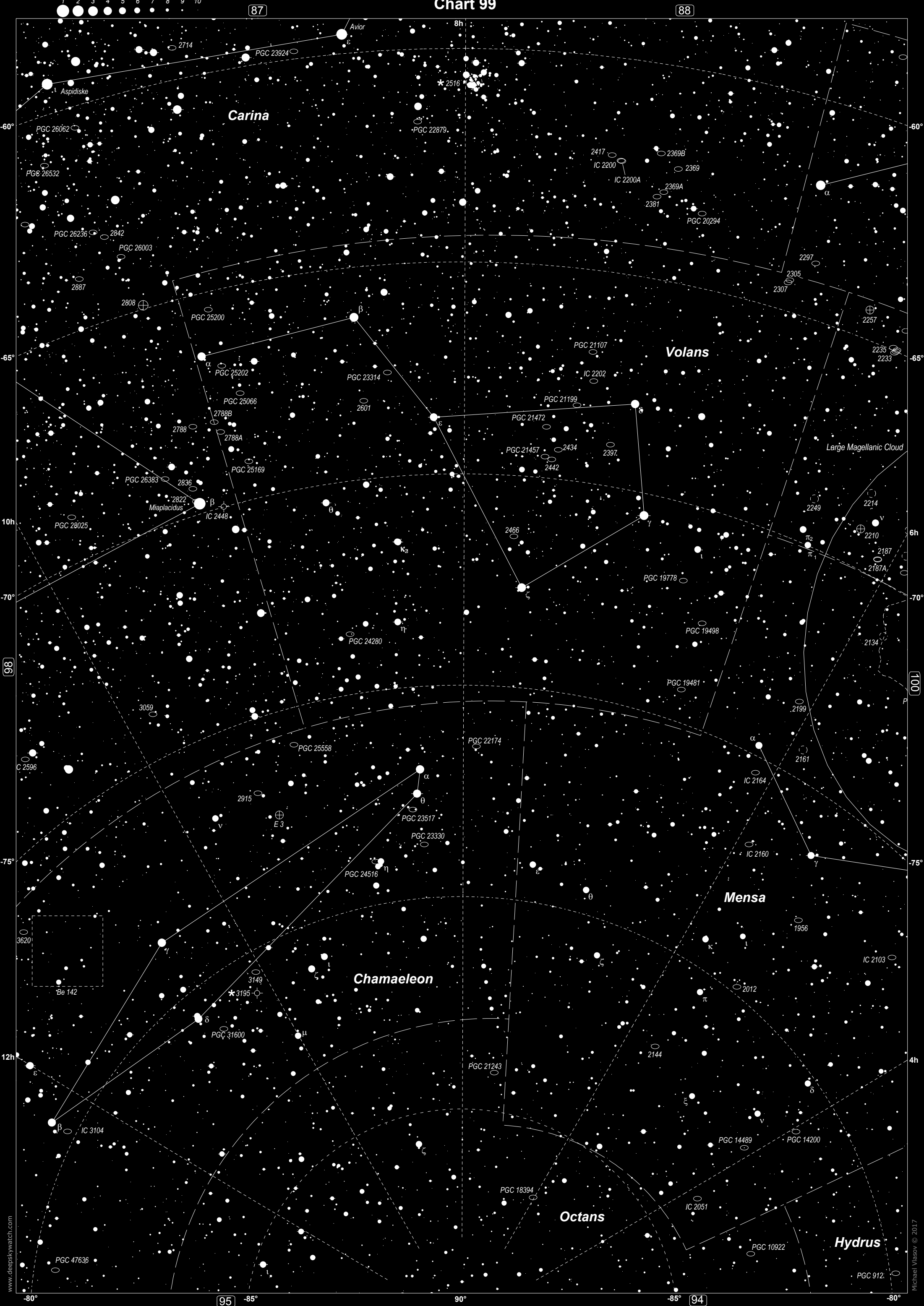


Chart 100



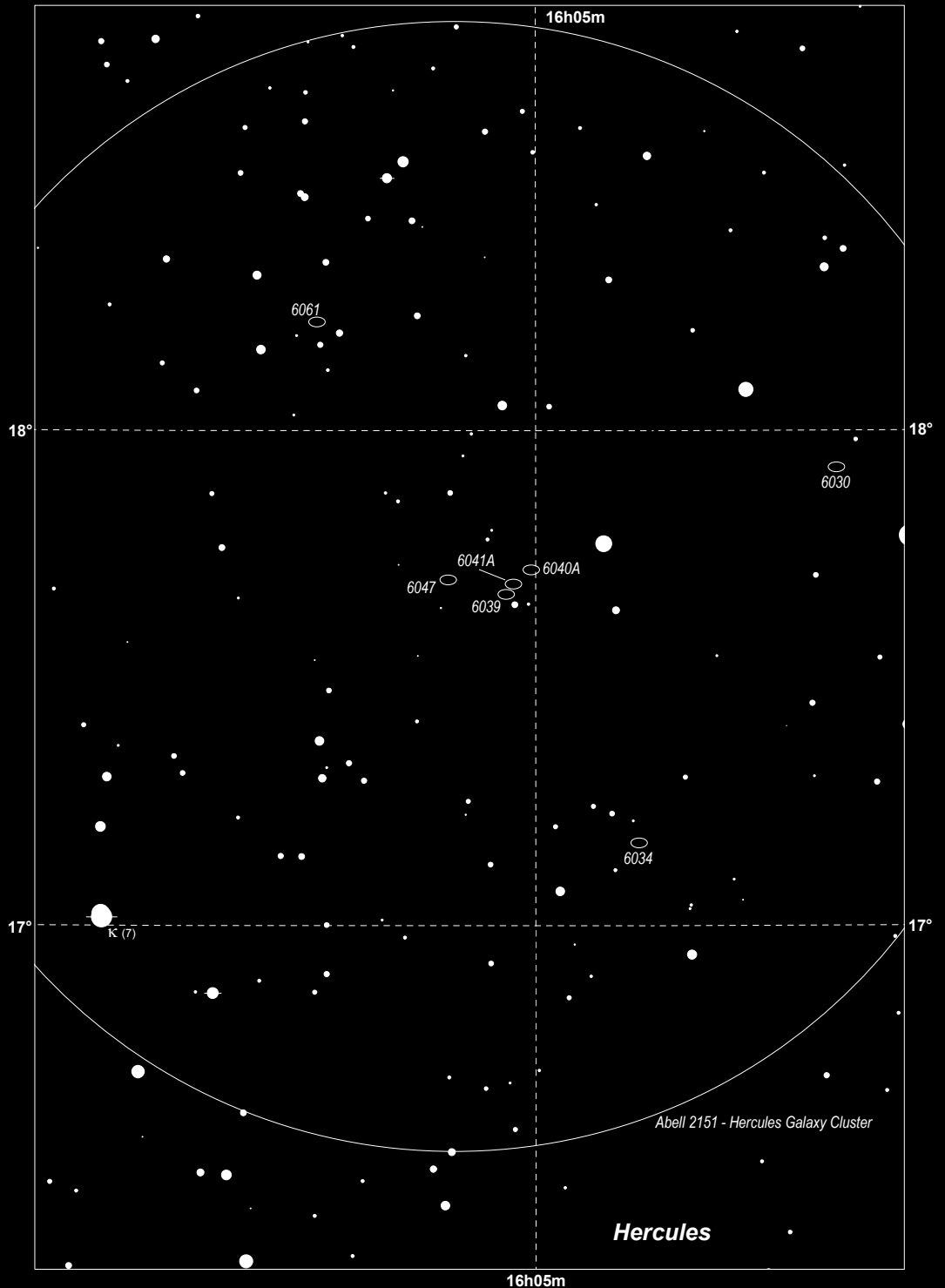




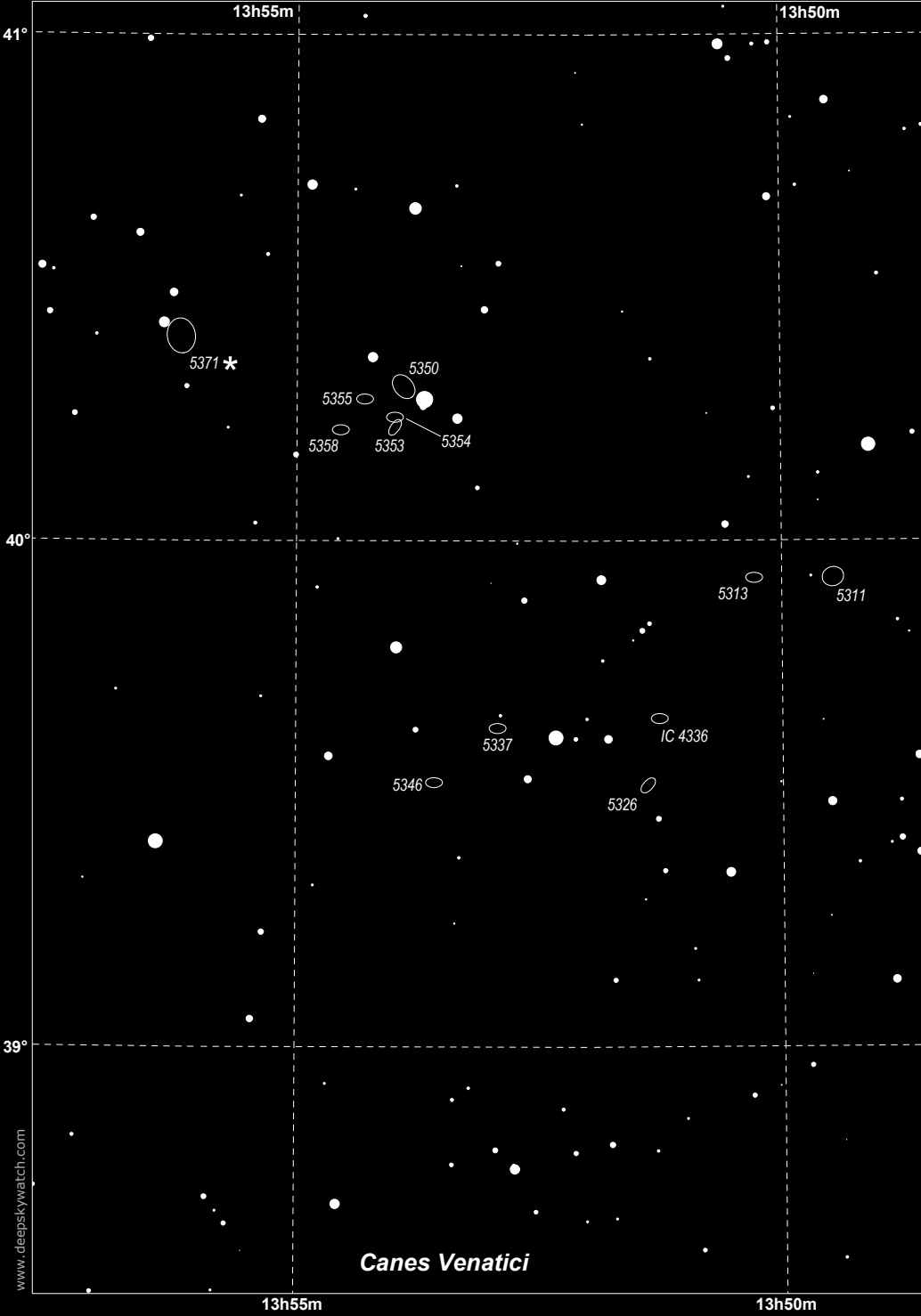
**A1 - Abell 1377**



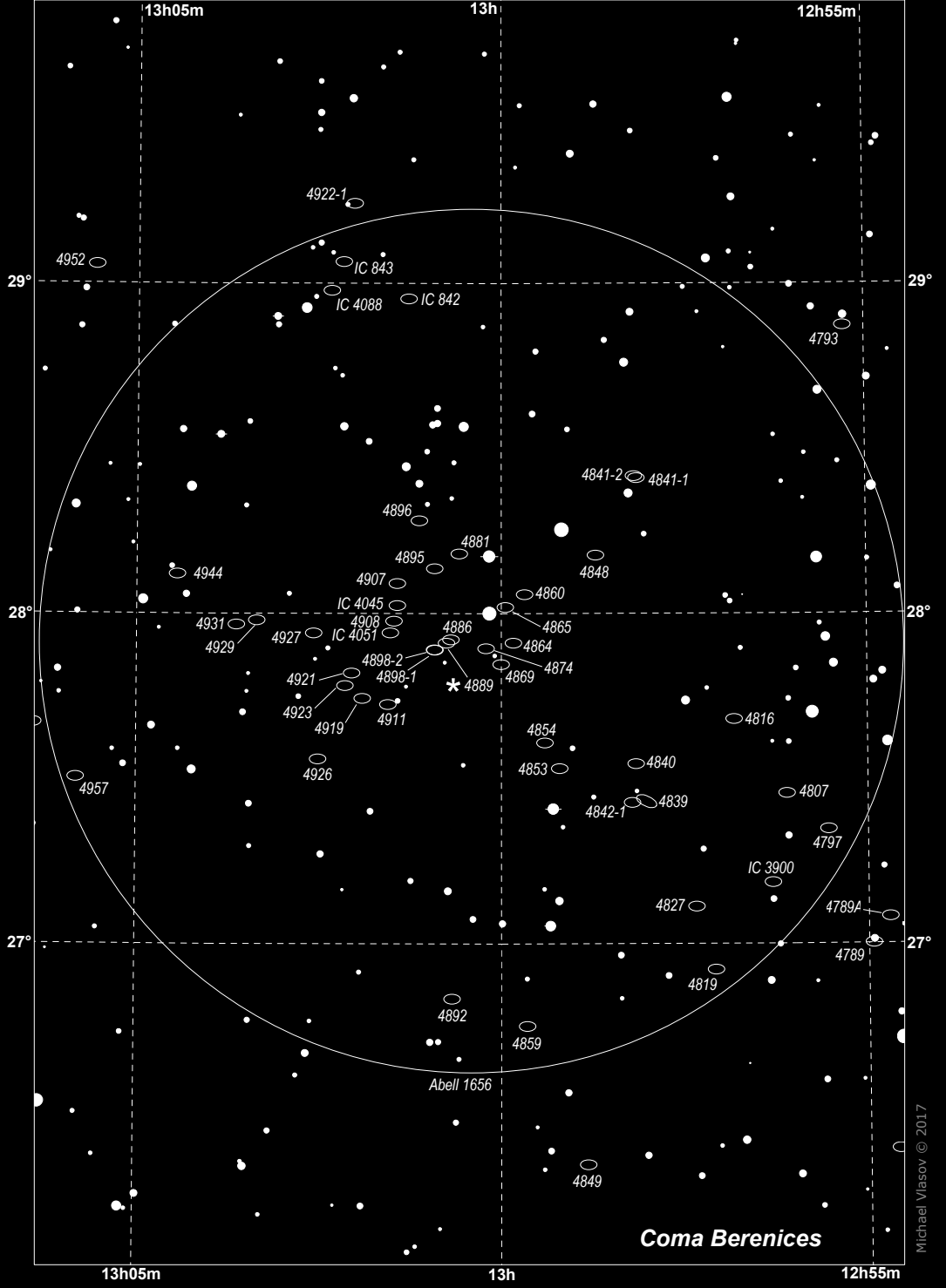
**A2 - Hercules cluster Abell 2151**



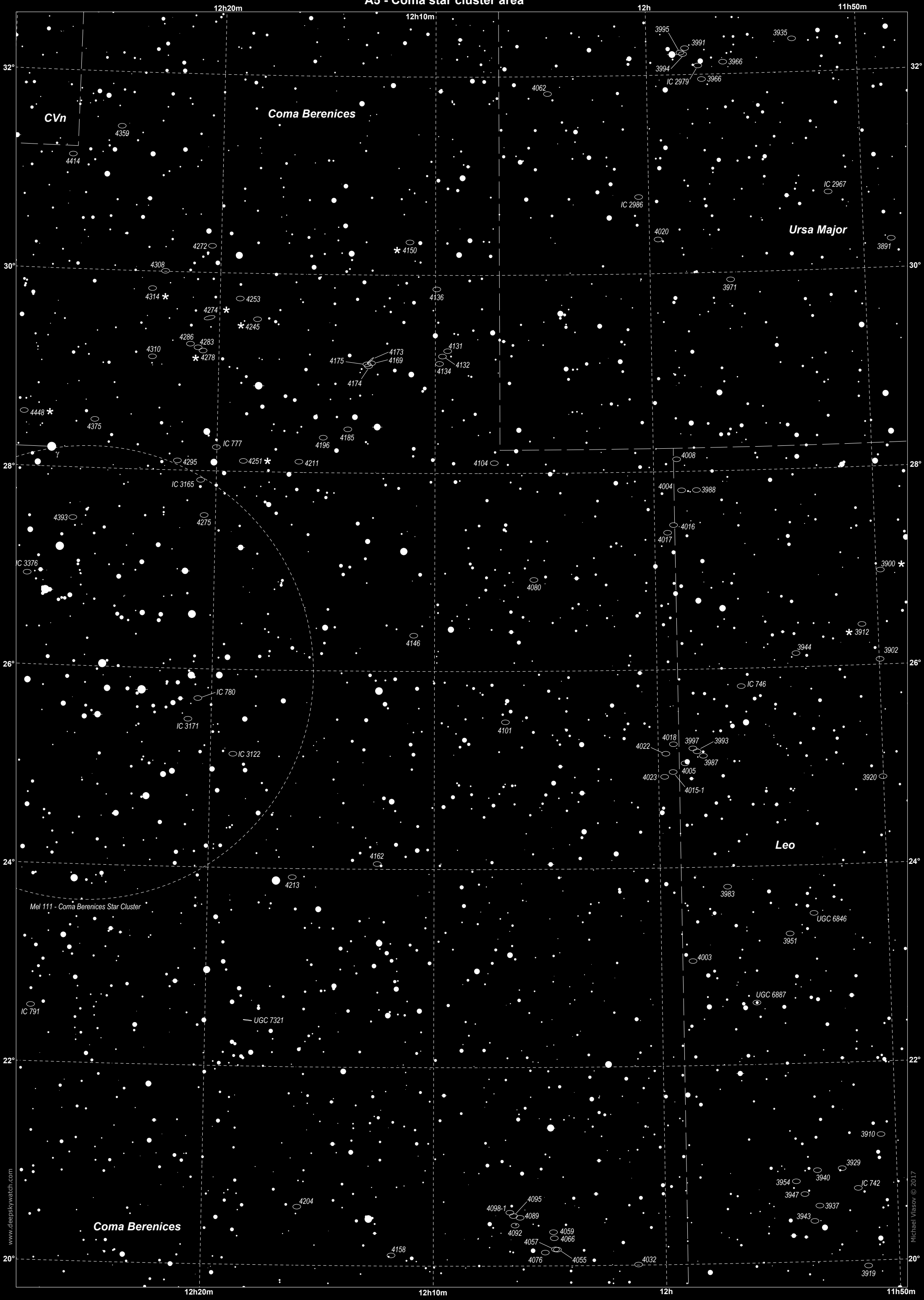
**A3 - Hickson 68**



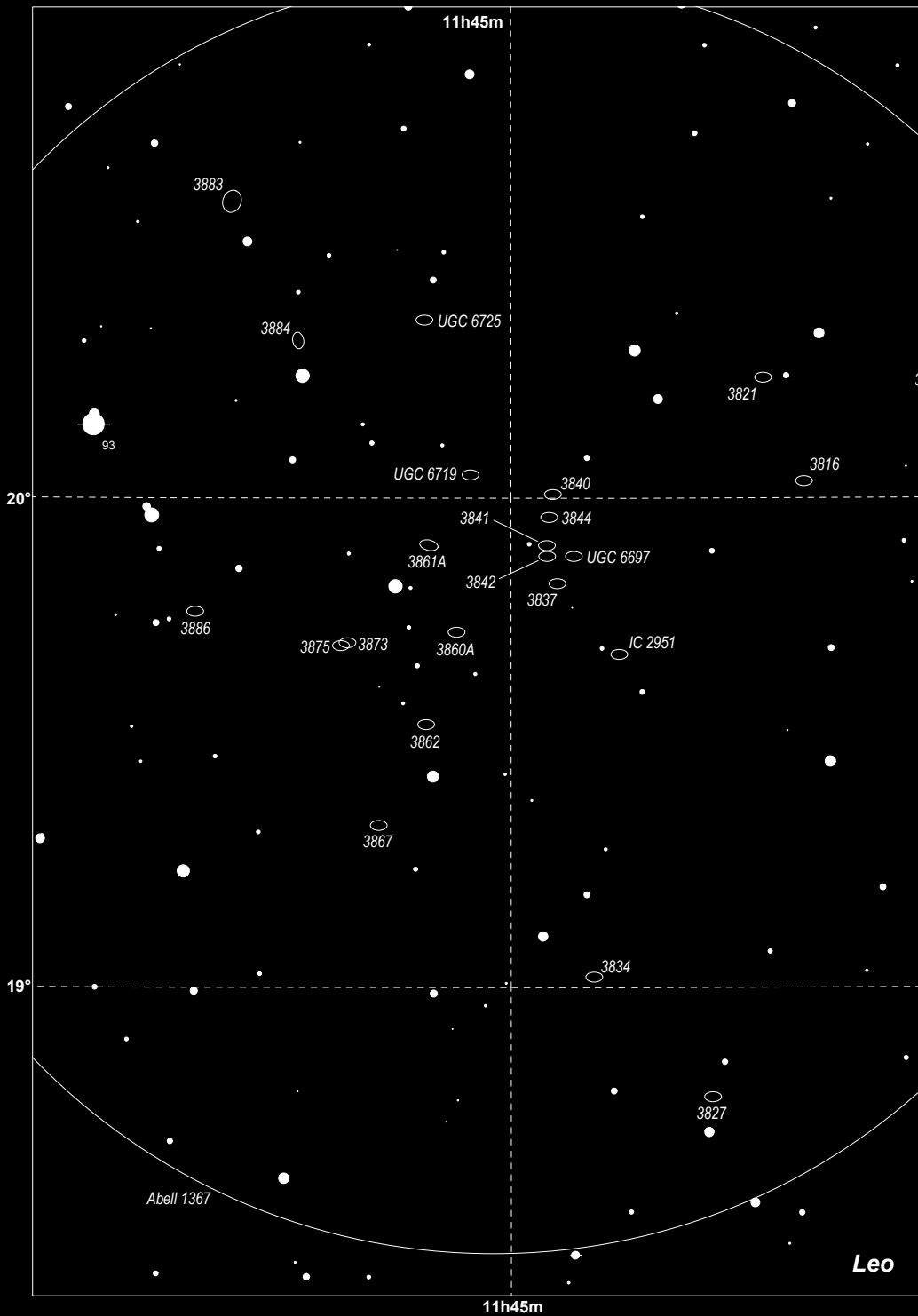
**A4 - Coma cluster Abell 1656**



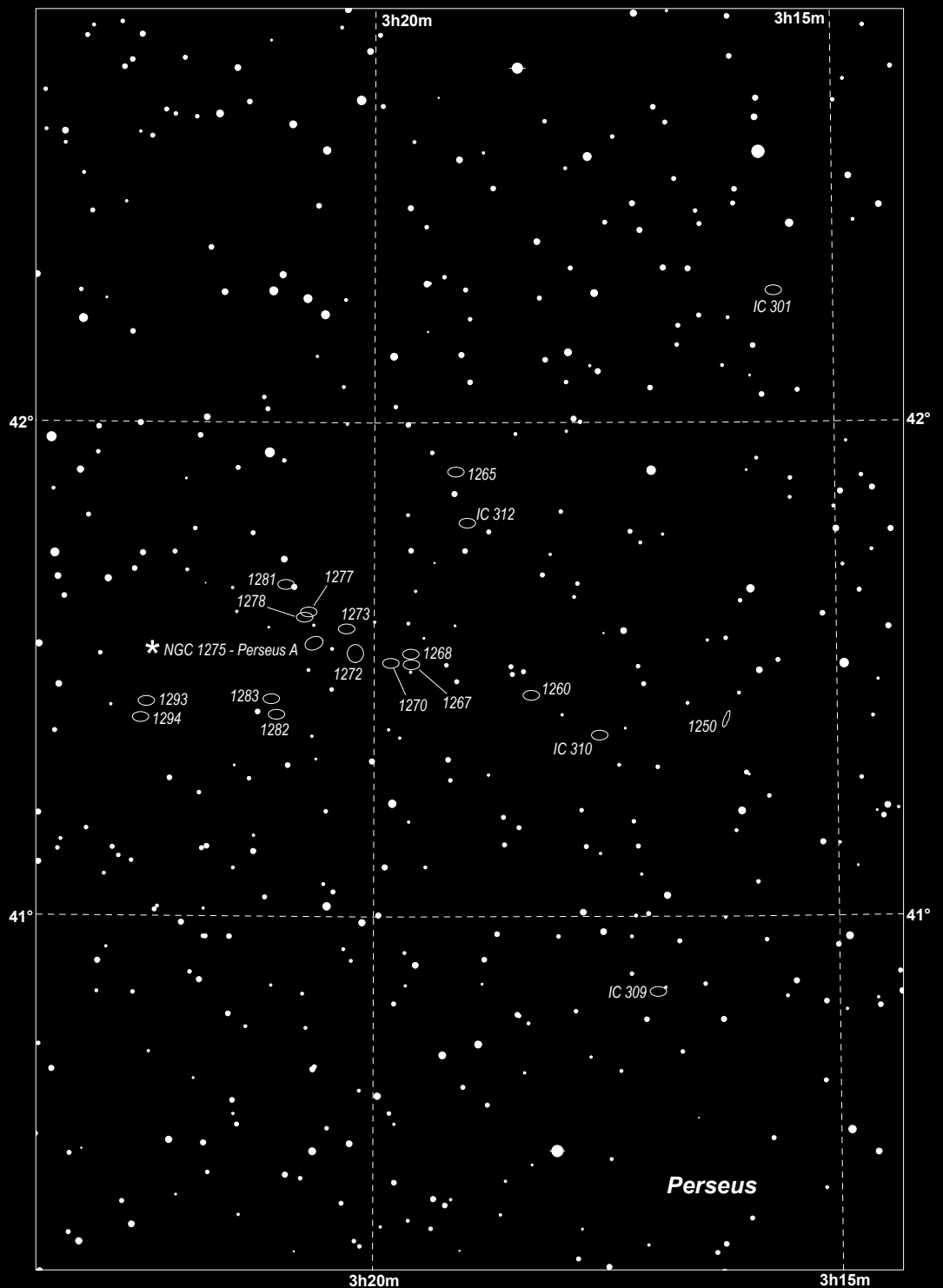
A5 - Coma star cluster area



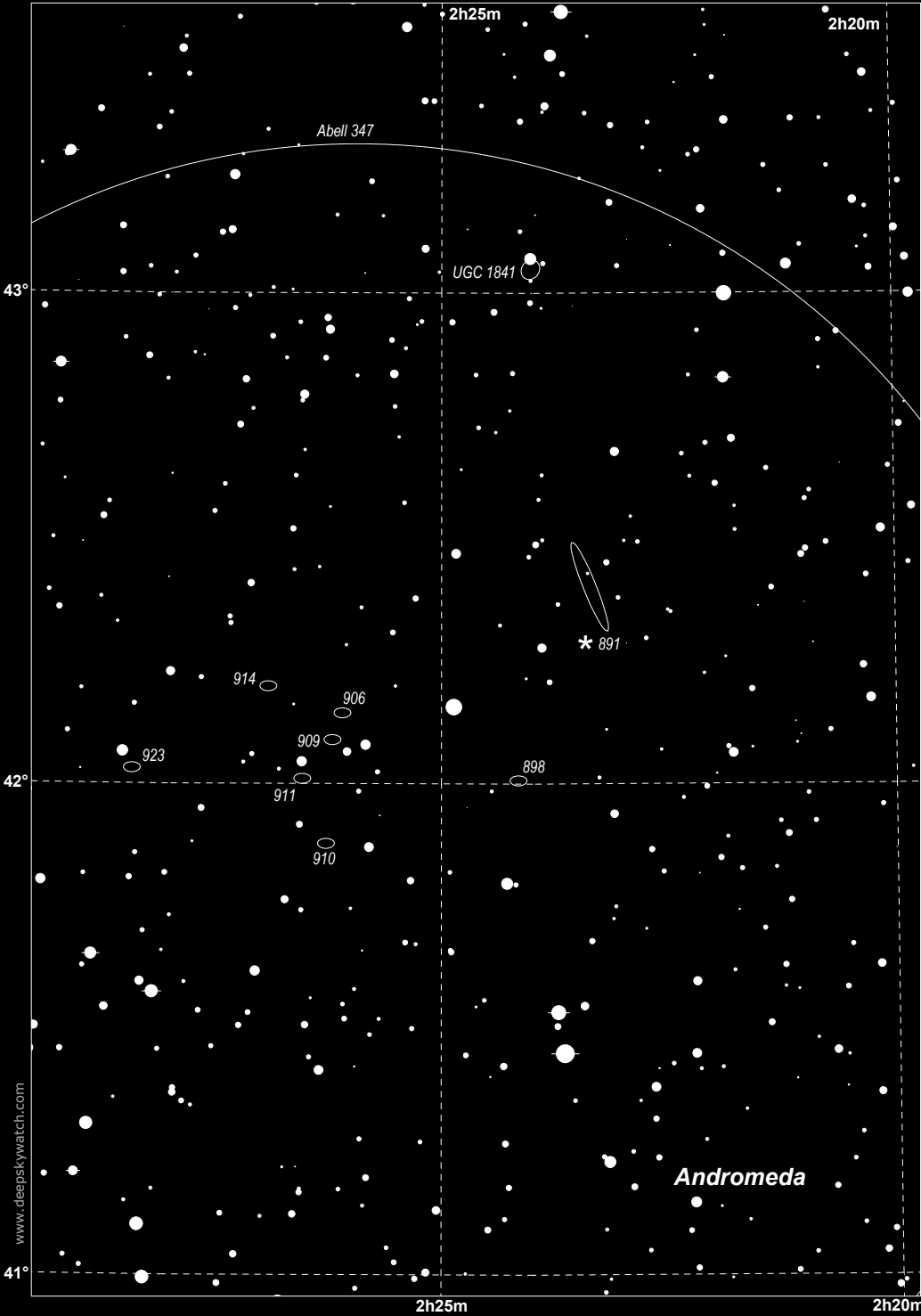
A6 - Leo cluster Abell 1367



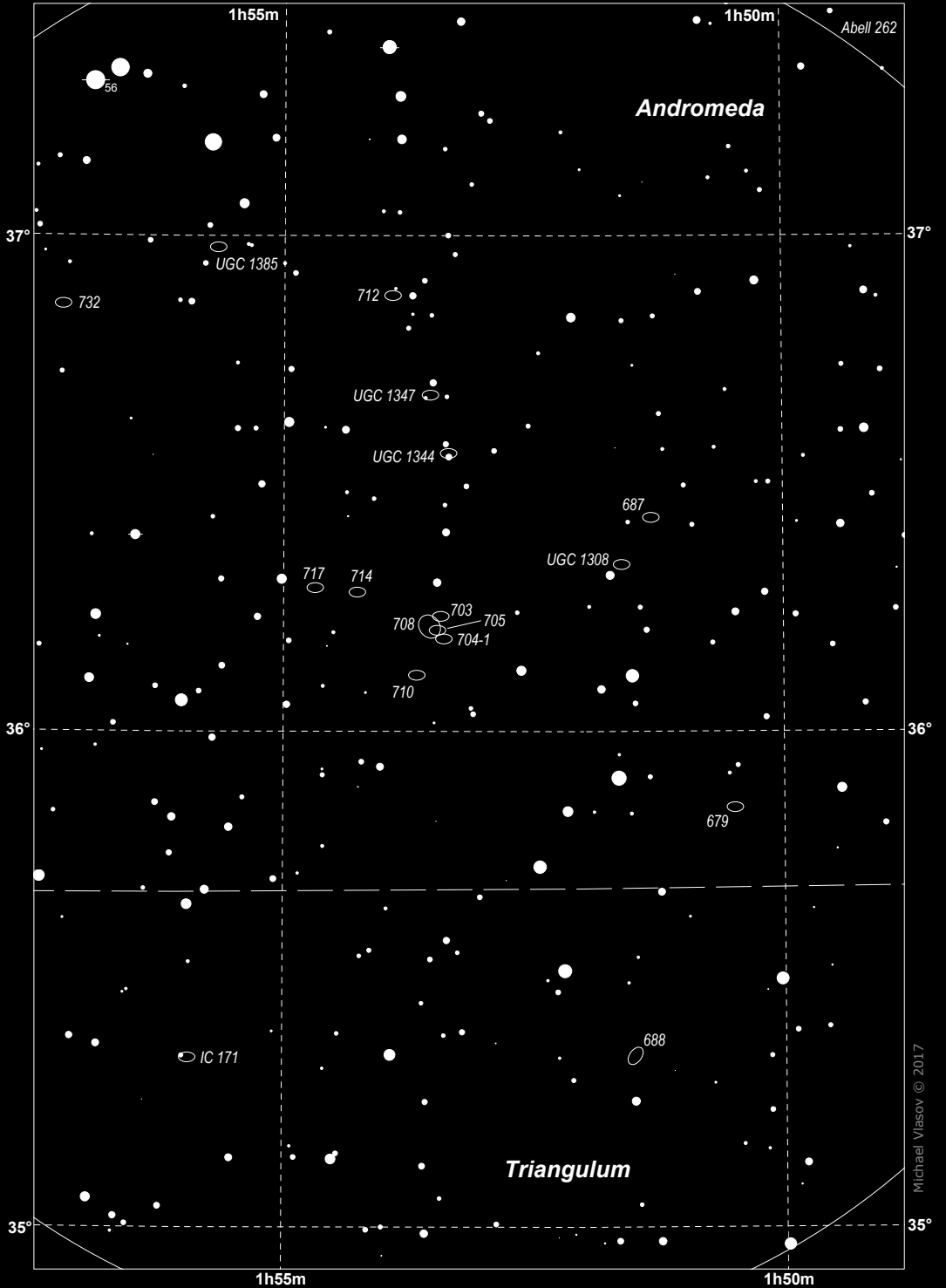
A7 - Perseus cluster Abell 426



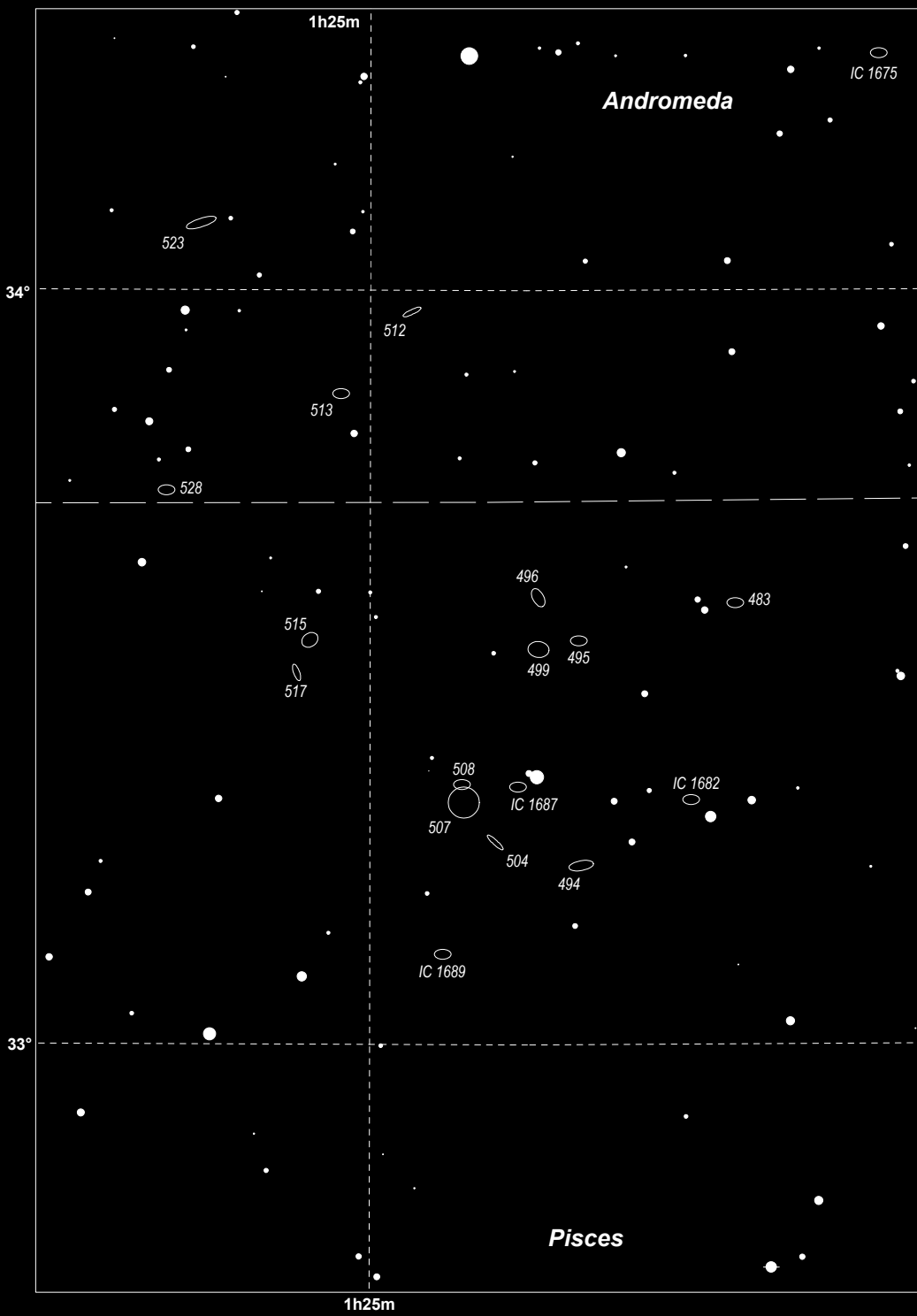
A8 - Abell 347



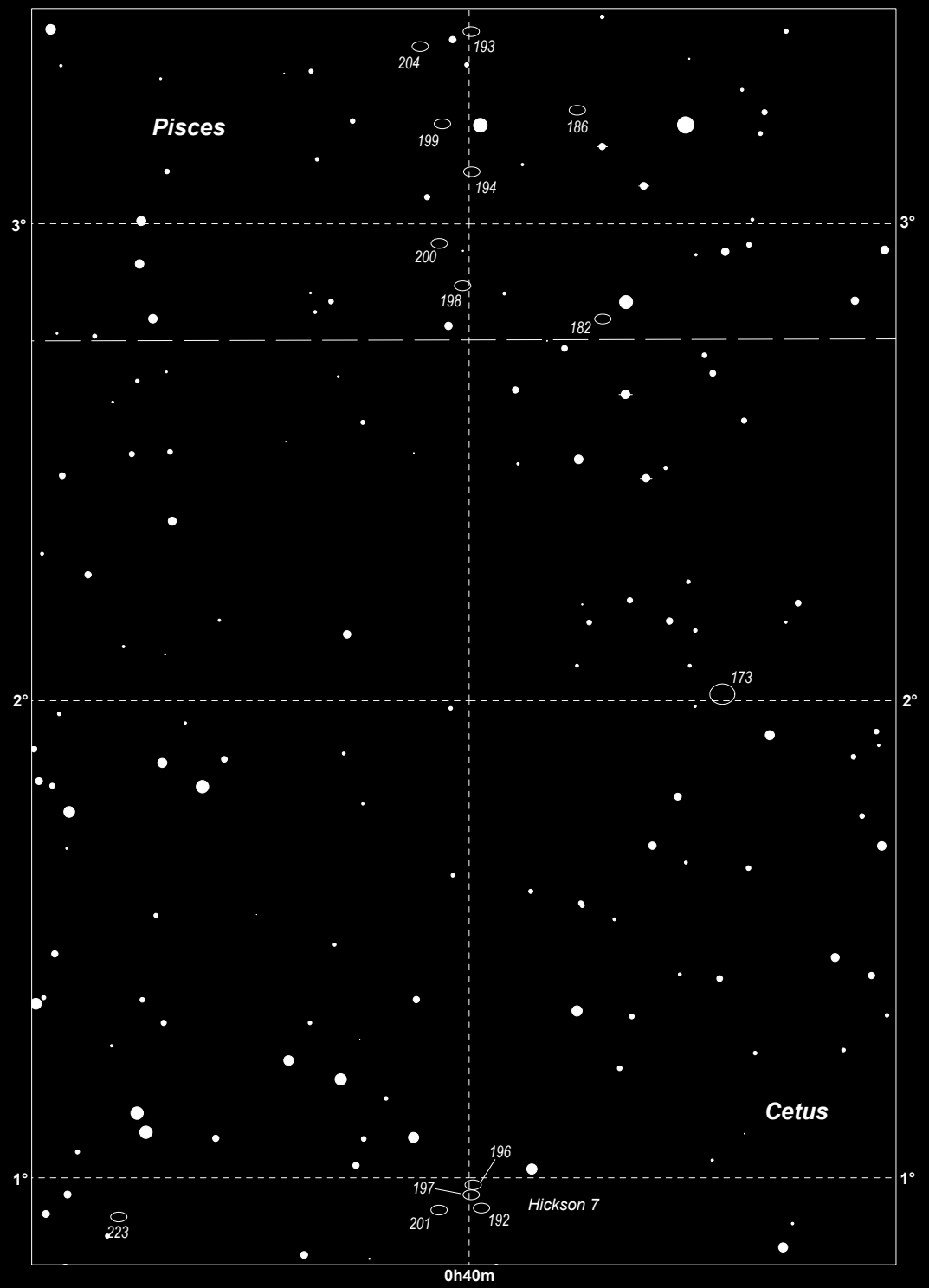
A9 - Abell 262



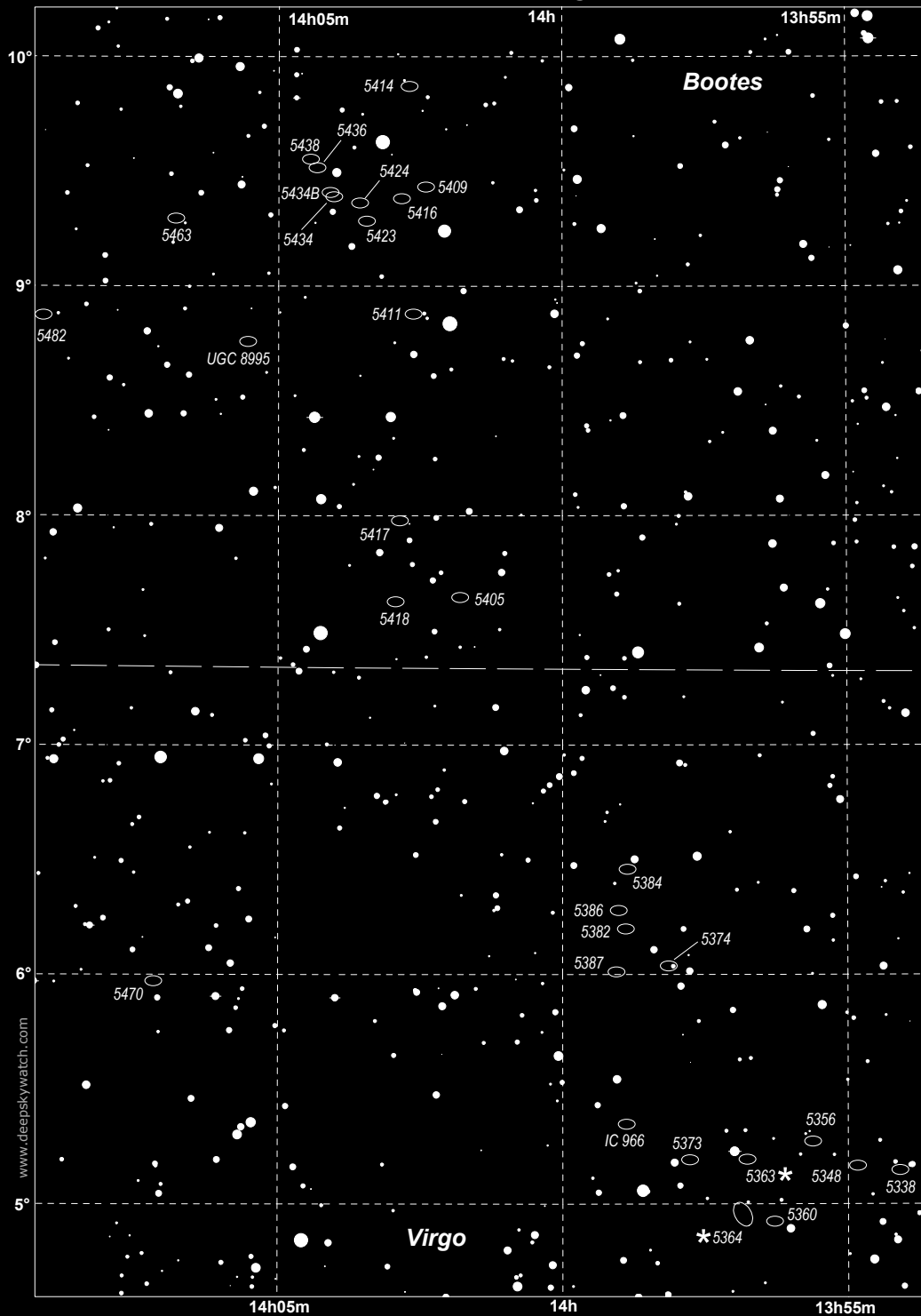
A10 - NGC 507 group



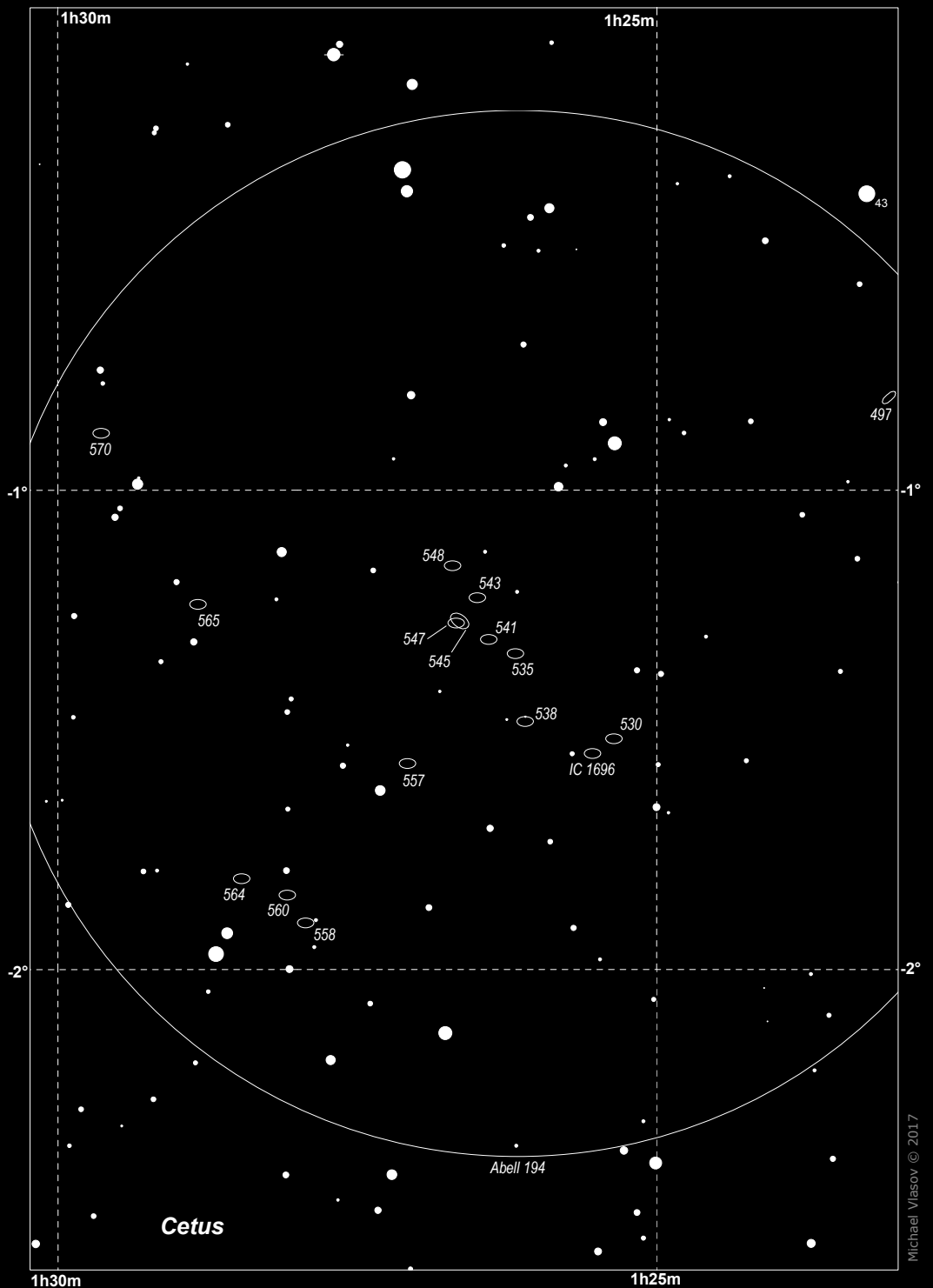
A11 - Hickson 7 and NGC 194 region



A12 - NGC 5364 region



A13 - Abell 194

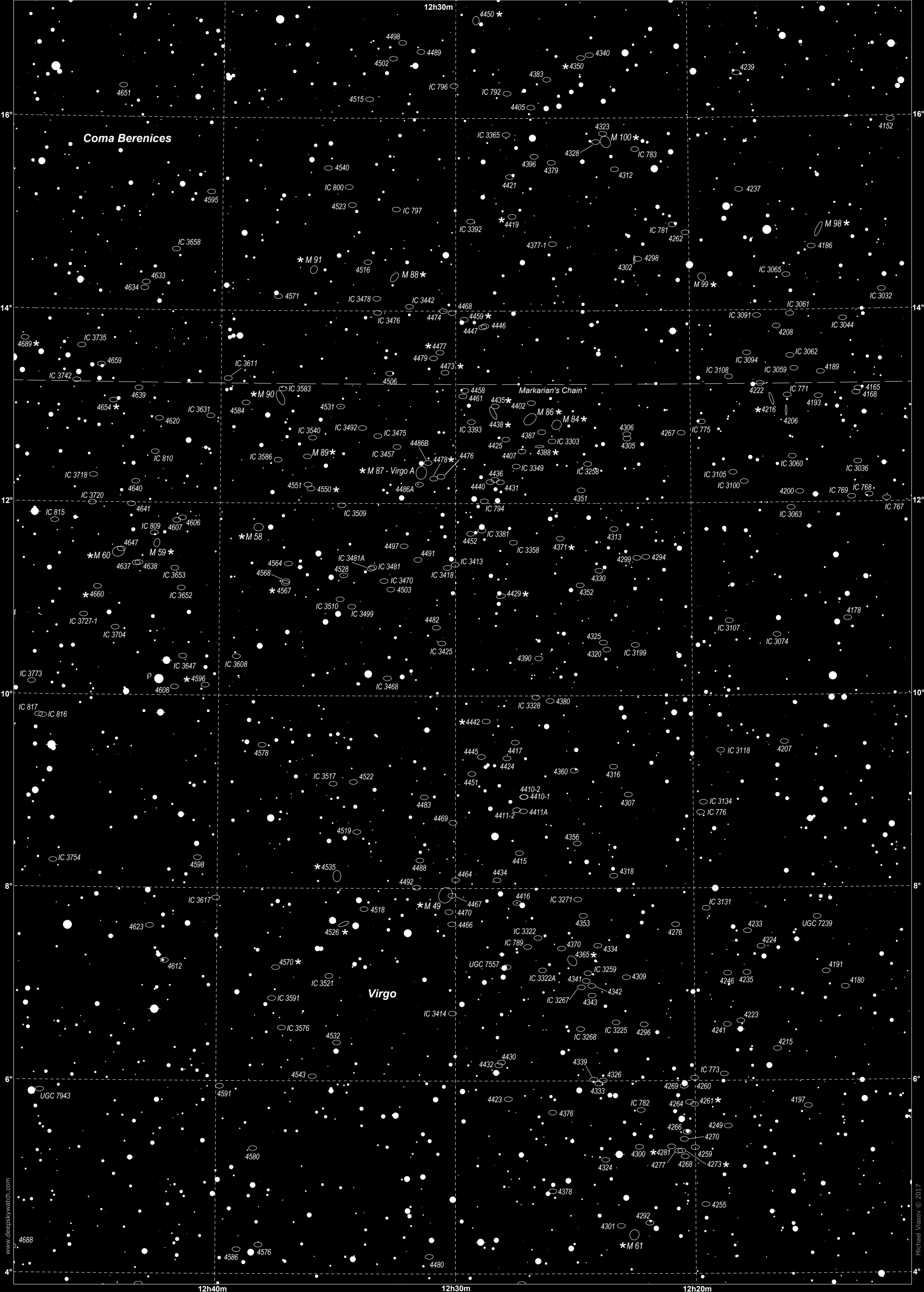


# A14 - Virgo Galaxy Cluster

12h40m

12h30m

12h20m

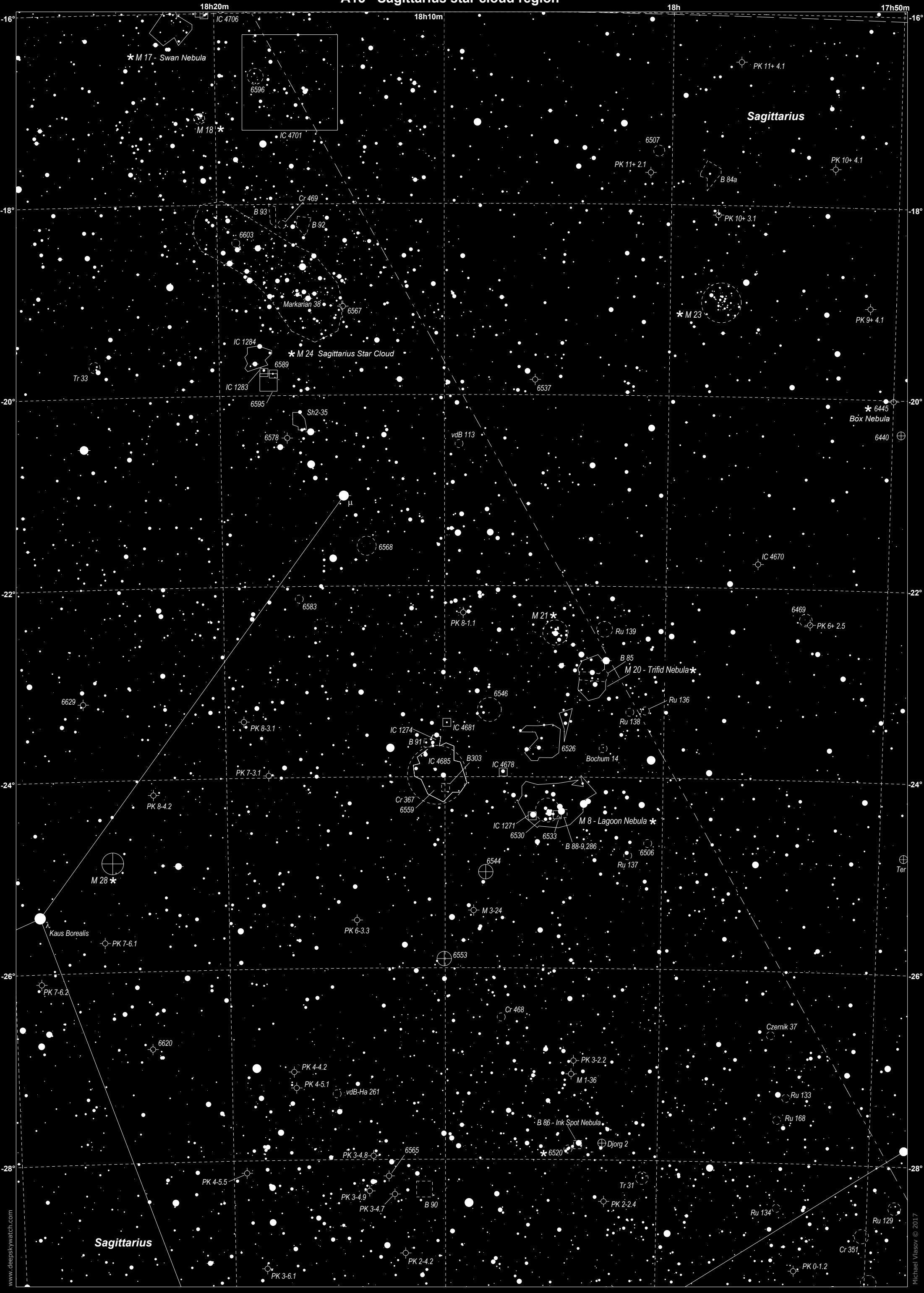


Coma Berenices

Markarian's Chain

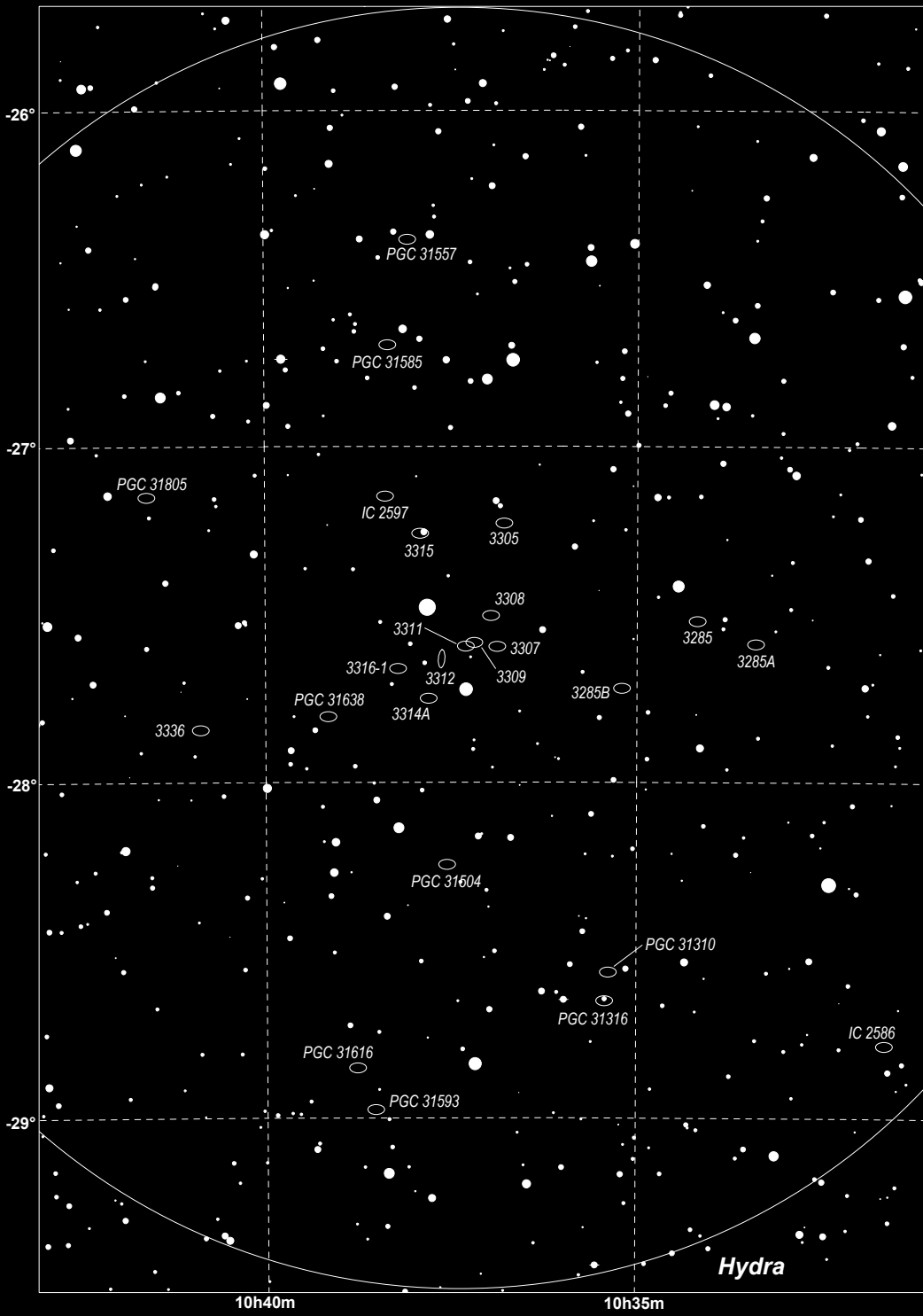
Virgo

A15 - Sagittarius star cloud region

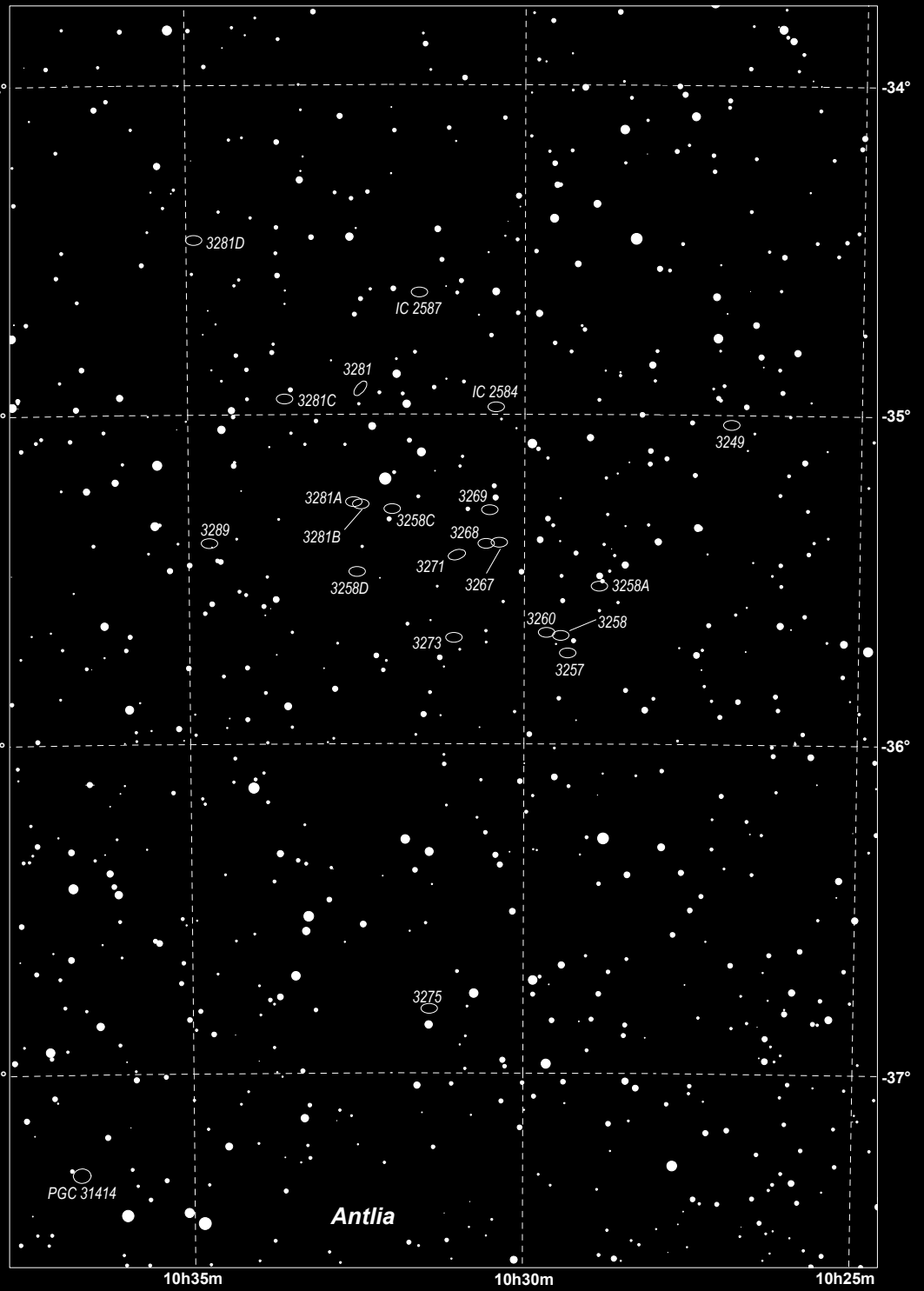




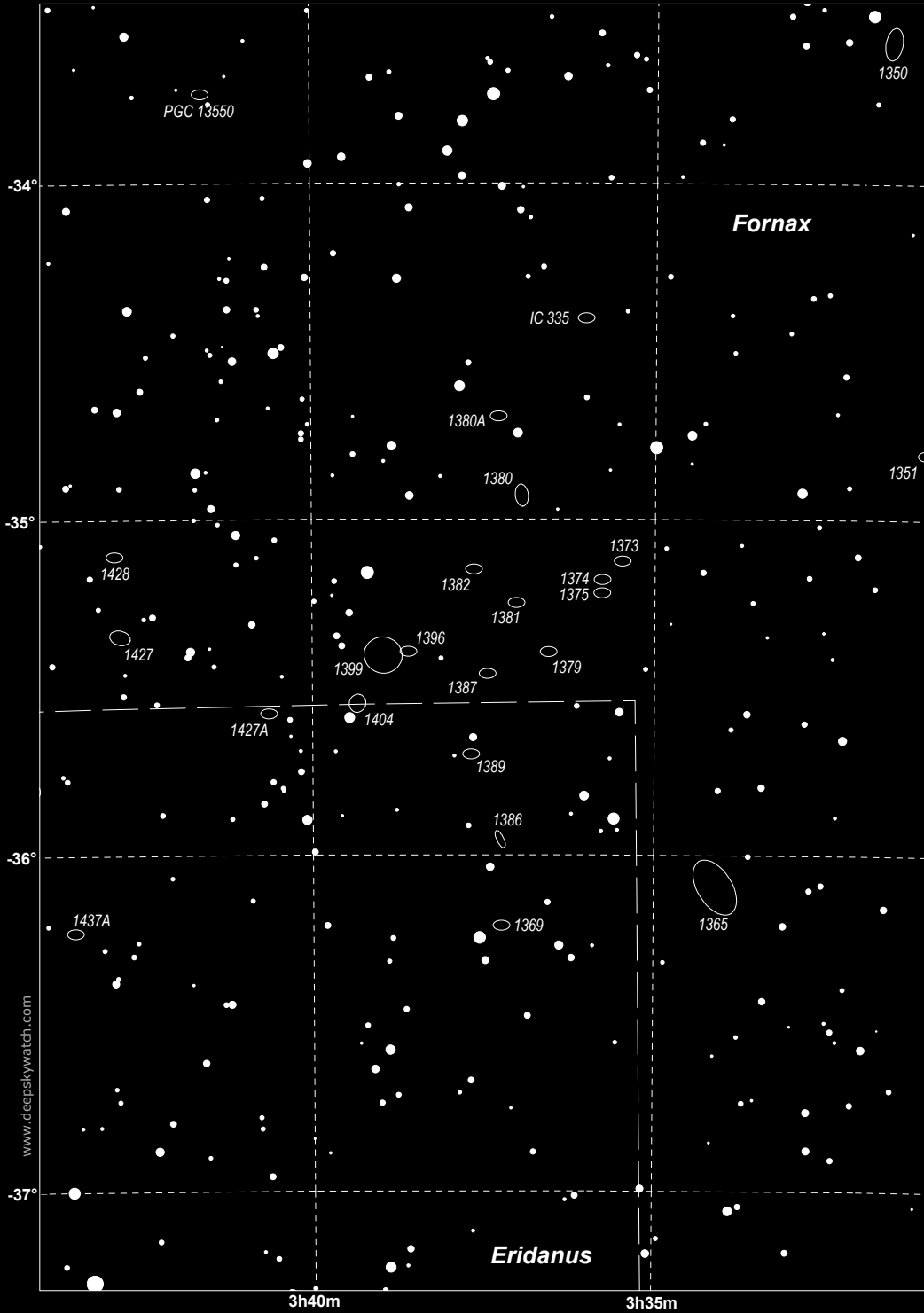
A18 - Hydra cluster Abell 1060



A19 - Antlia's cluster Abell S0636



A20 - Fornax cluster Abell S0373



A21 - Centaurus cluster Abell 3526

