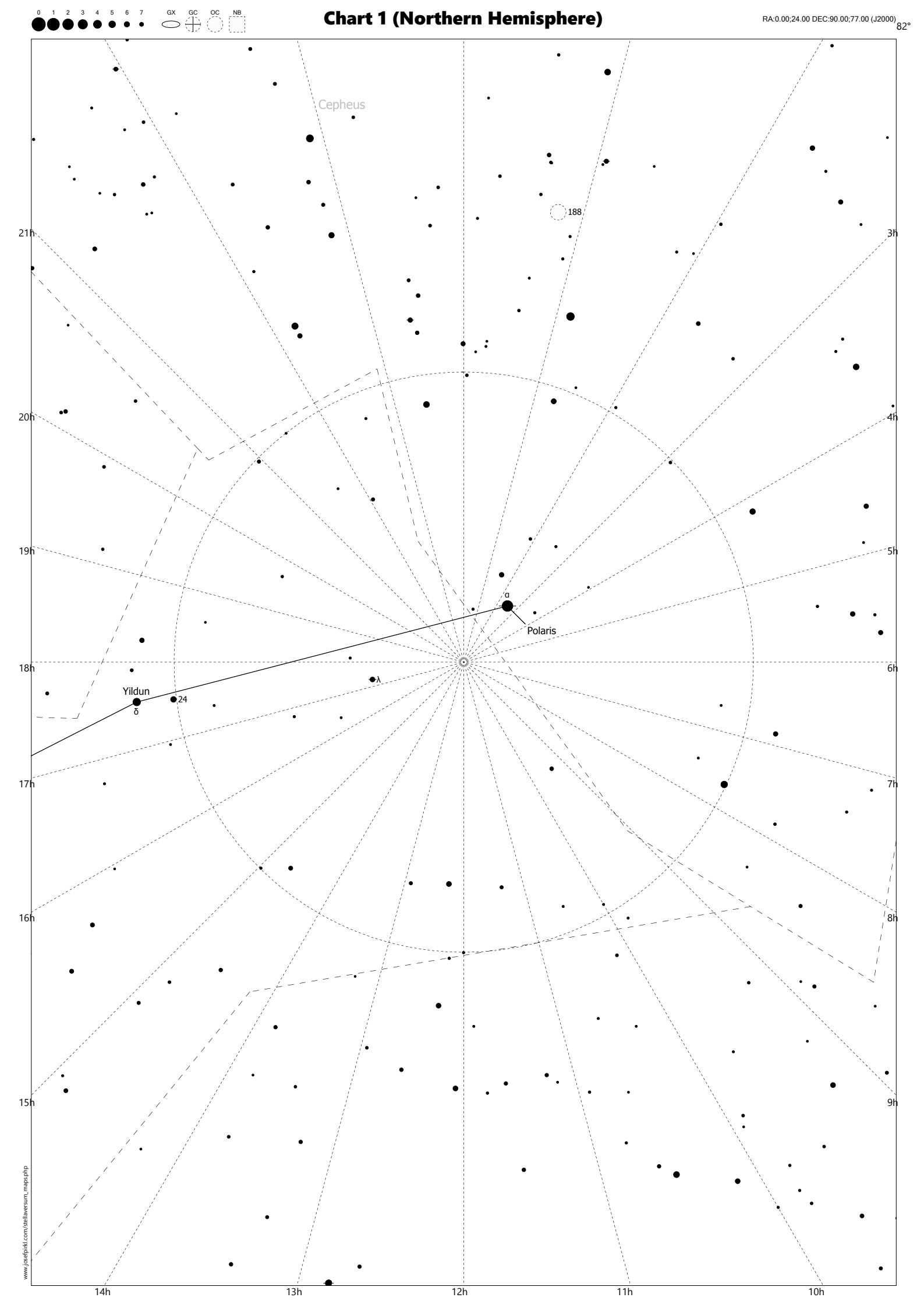
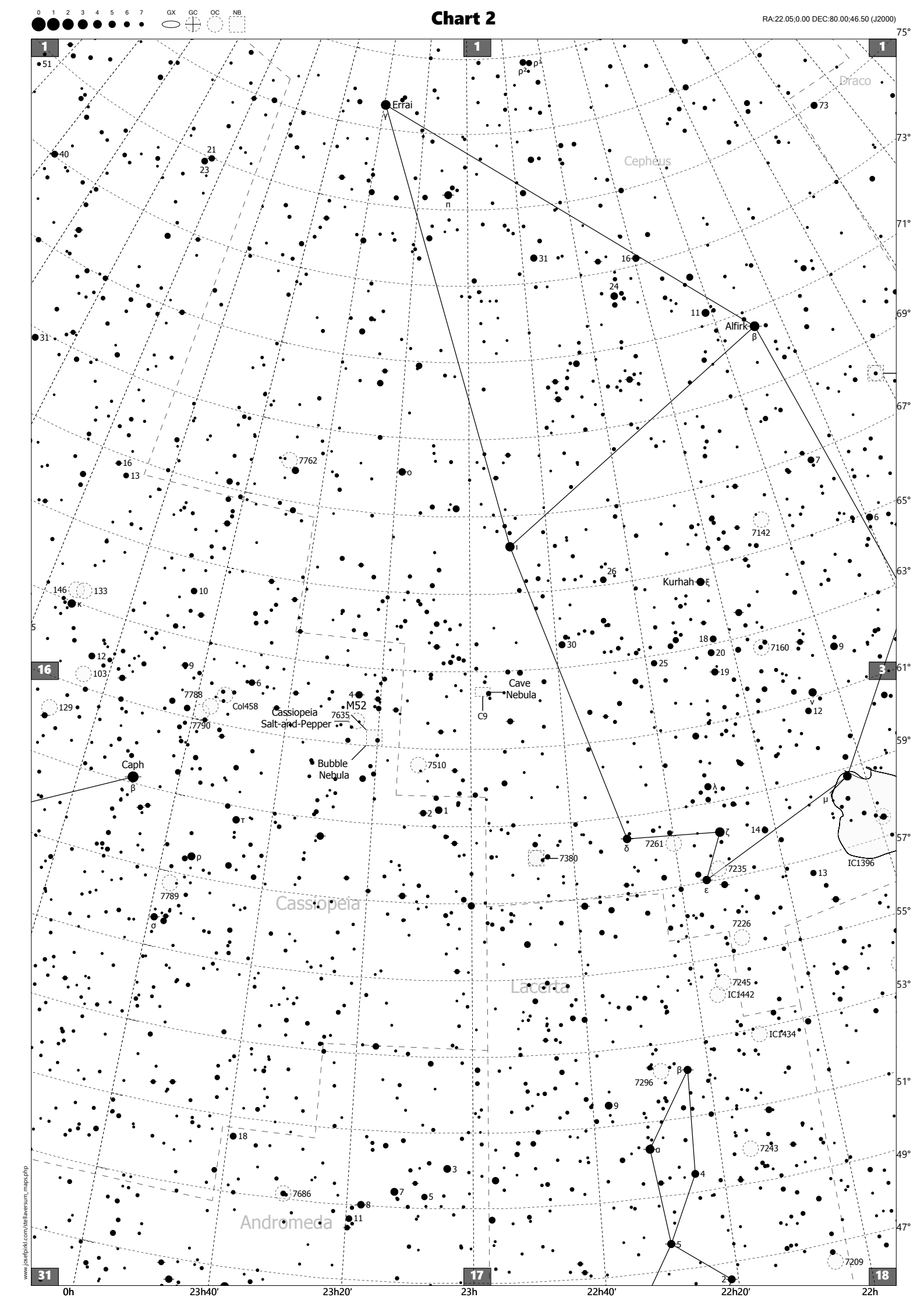
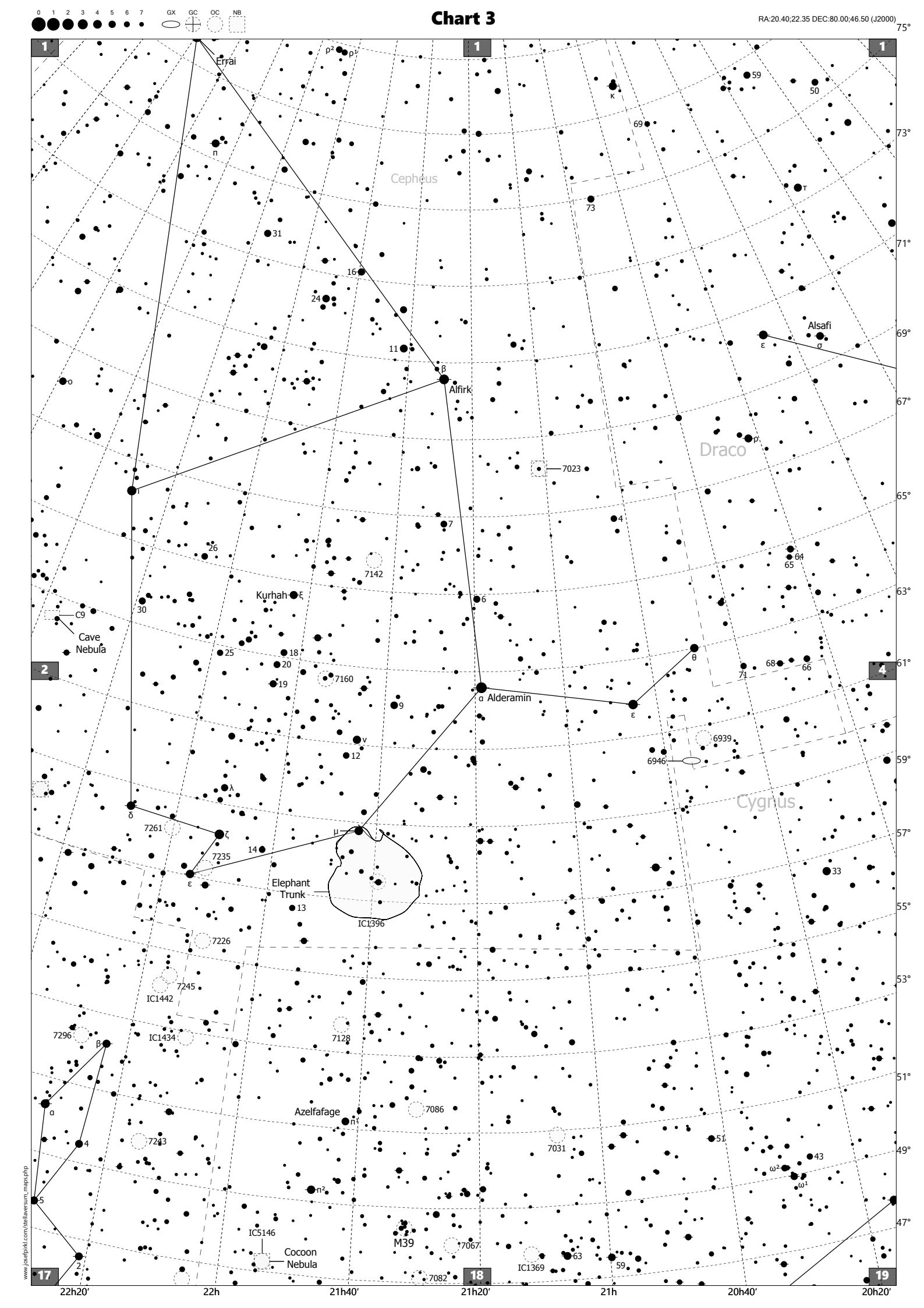
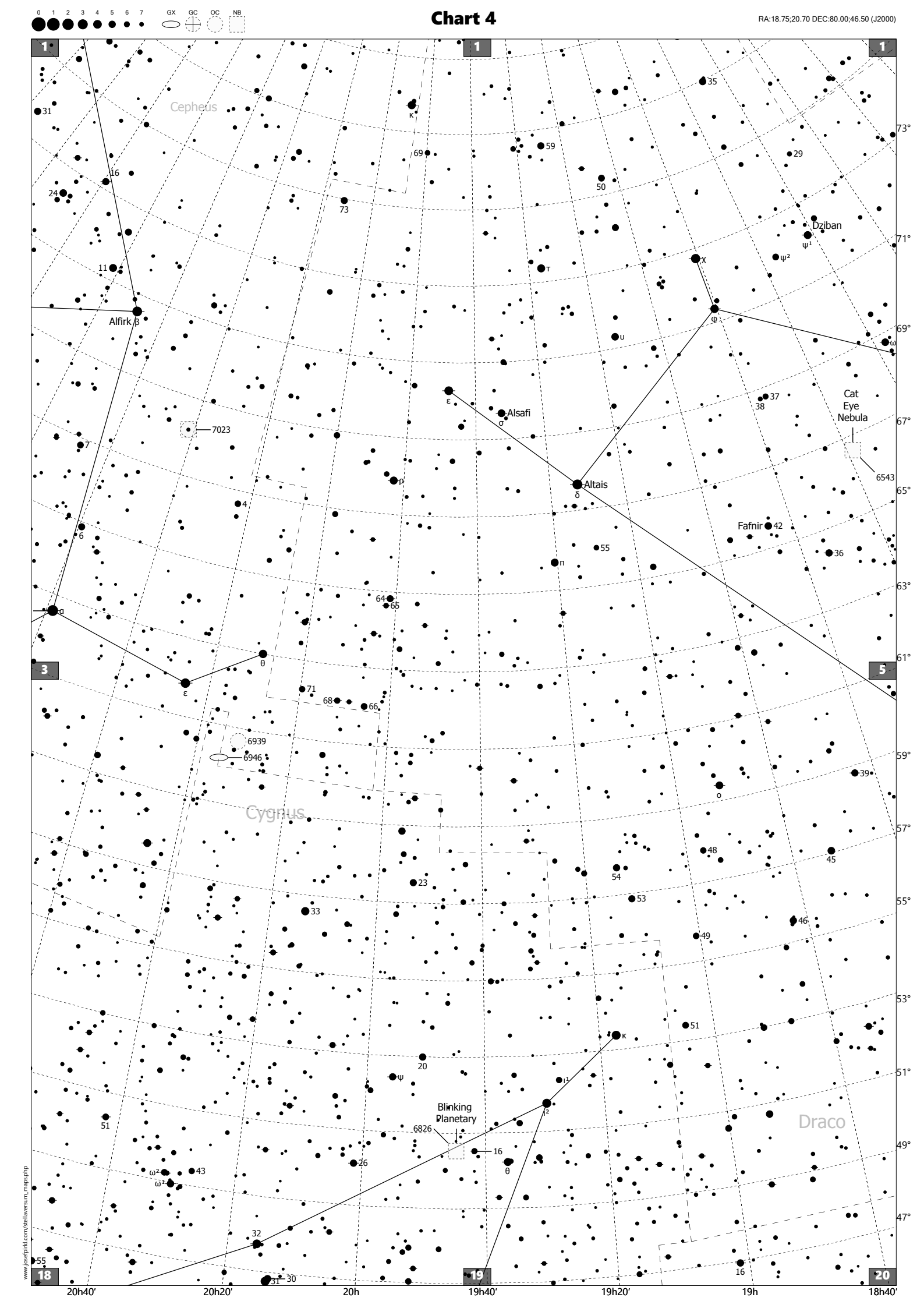
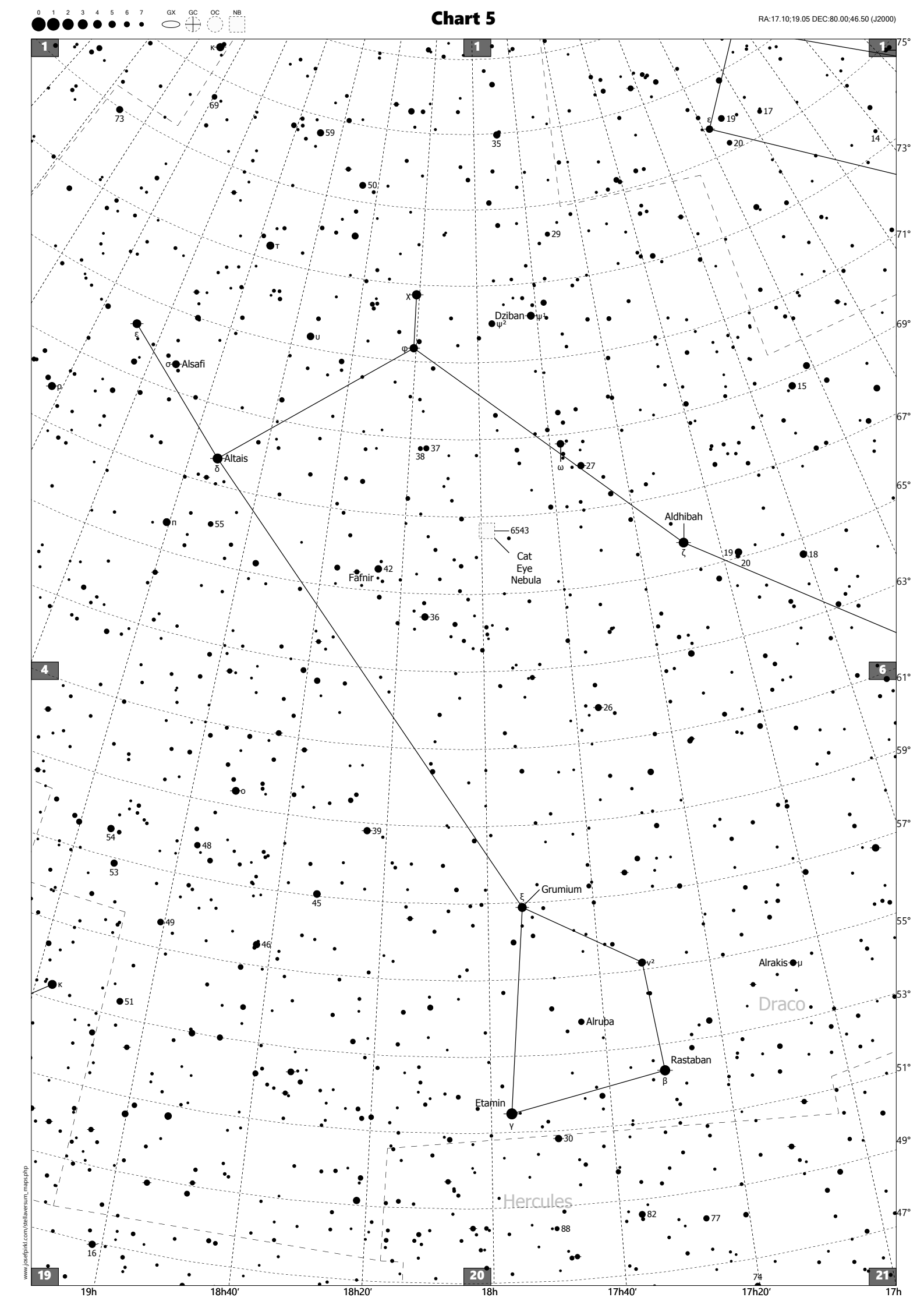
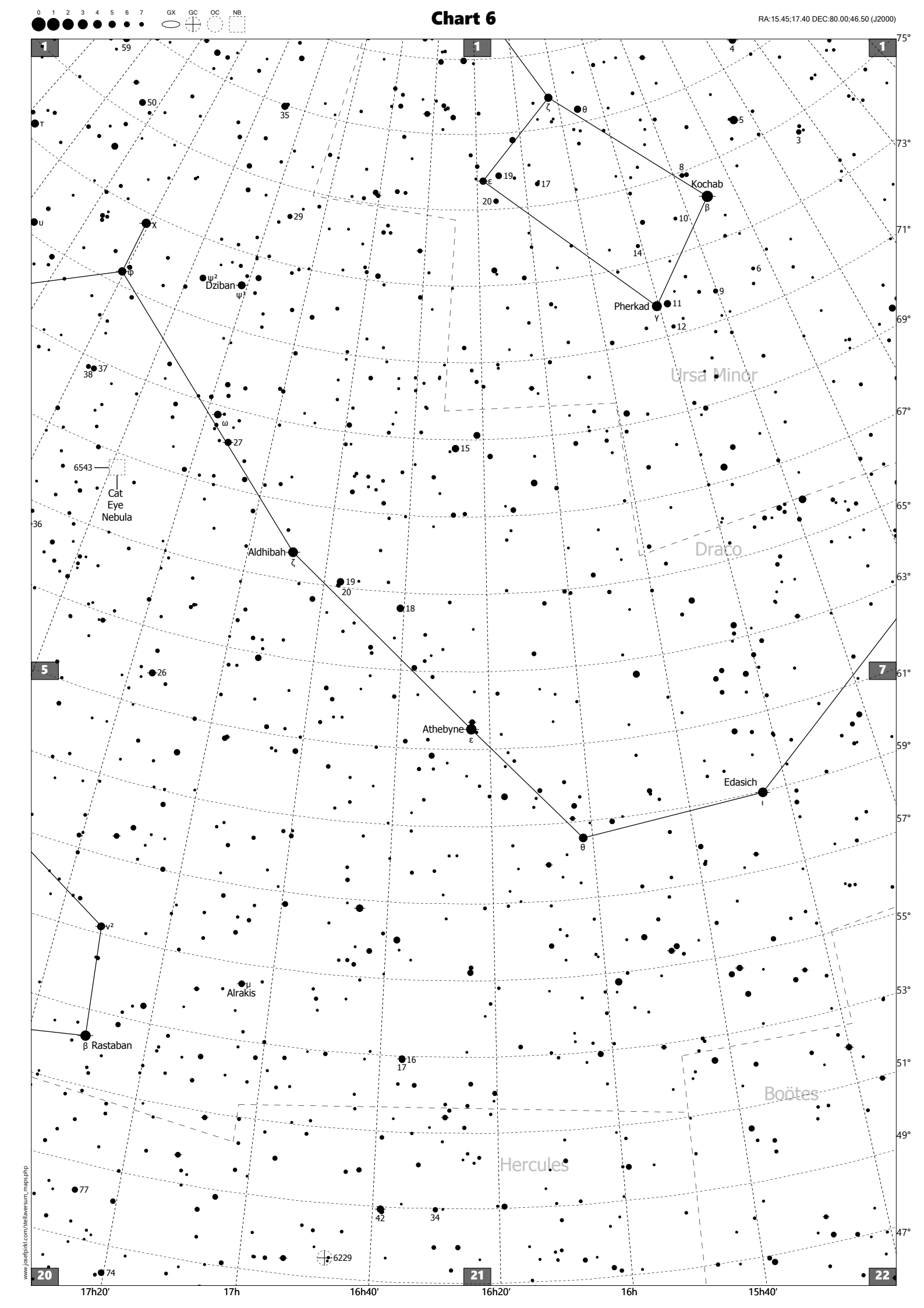

0 1 2 3 4 5 6 7
GX GC OC NB
Chart 1 (Northern Hemisphere)
RA:0.00;24.00 DEC:90.00;77.00 (J2000)
82°
Cepheus
188
21h
3h
20h
4h
19h
5h
α
Polaris
18h
6h
λ
Yildun
δ
24
17h
7h
16h
8h
15h
9h
14h
13h
12h
11h
10h
www.jsetlpinkl.com/stellaversum_maps.php

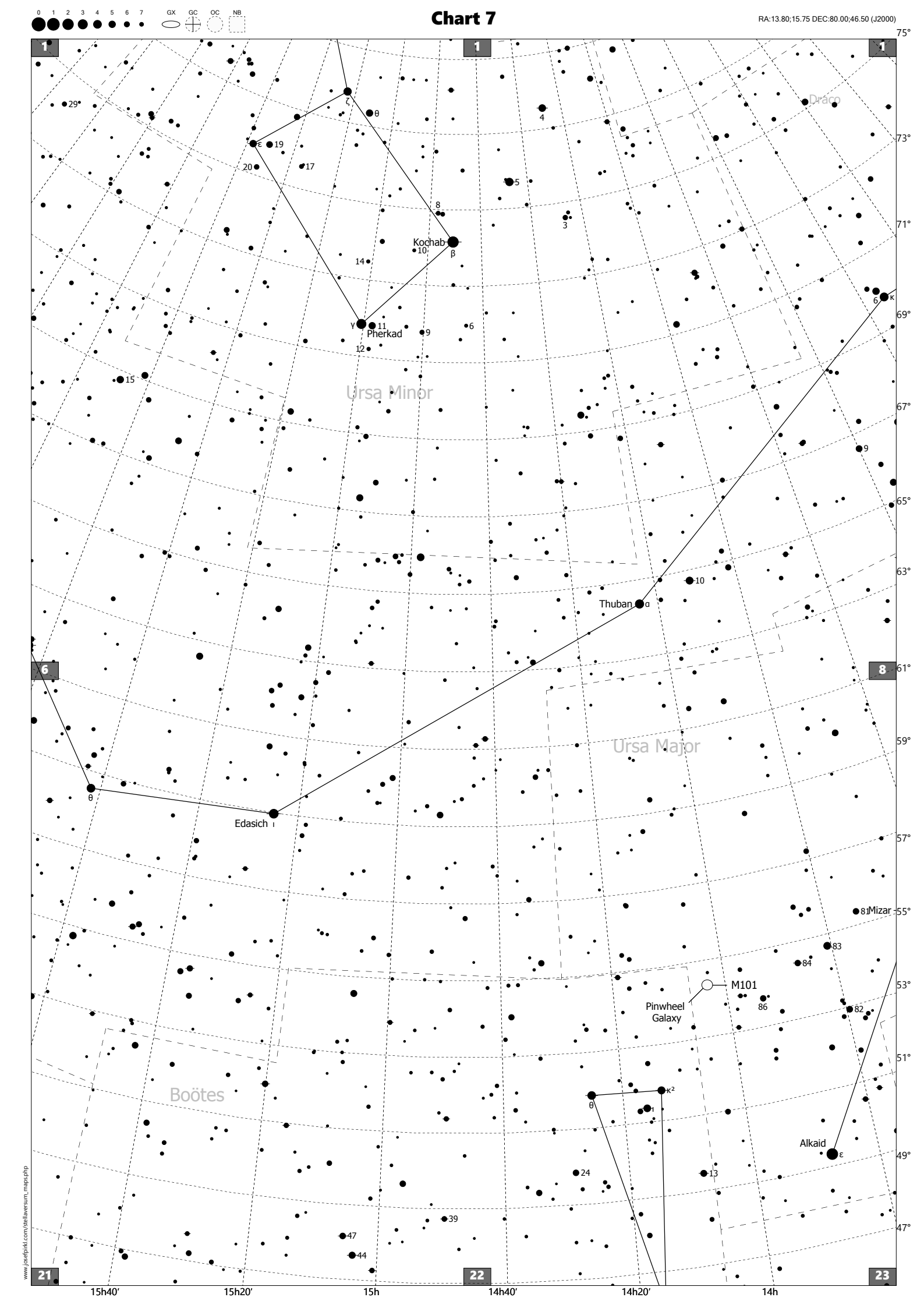

Chart 2
RA:22.05;0.00 DEC:80.00;46.50 (J2000)
0 1 2 3 4 5 6 7 GX GC OC NB
Draco
Cepheus
Cassiopeia
Lacerta
Andromeda
Errai
Alfirk
Kurhah
Caph
Cave Nebula
C9
Cassiopeia Salt-and-Pepper
M52
Bubble Nebula
Col458
IC1396
IC1442
IC1434
7762
7788
7790
7635
7510
7789
7380
7261
7235
7226
7245
7296
7243
7686
7160
7142
7209
0h
23h40'
23h20'
23h
22h40'
22h20'
22h
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
1
16
3
31
17
18
www.josefpirkl.com/stellaversum_maps.php

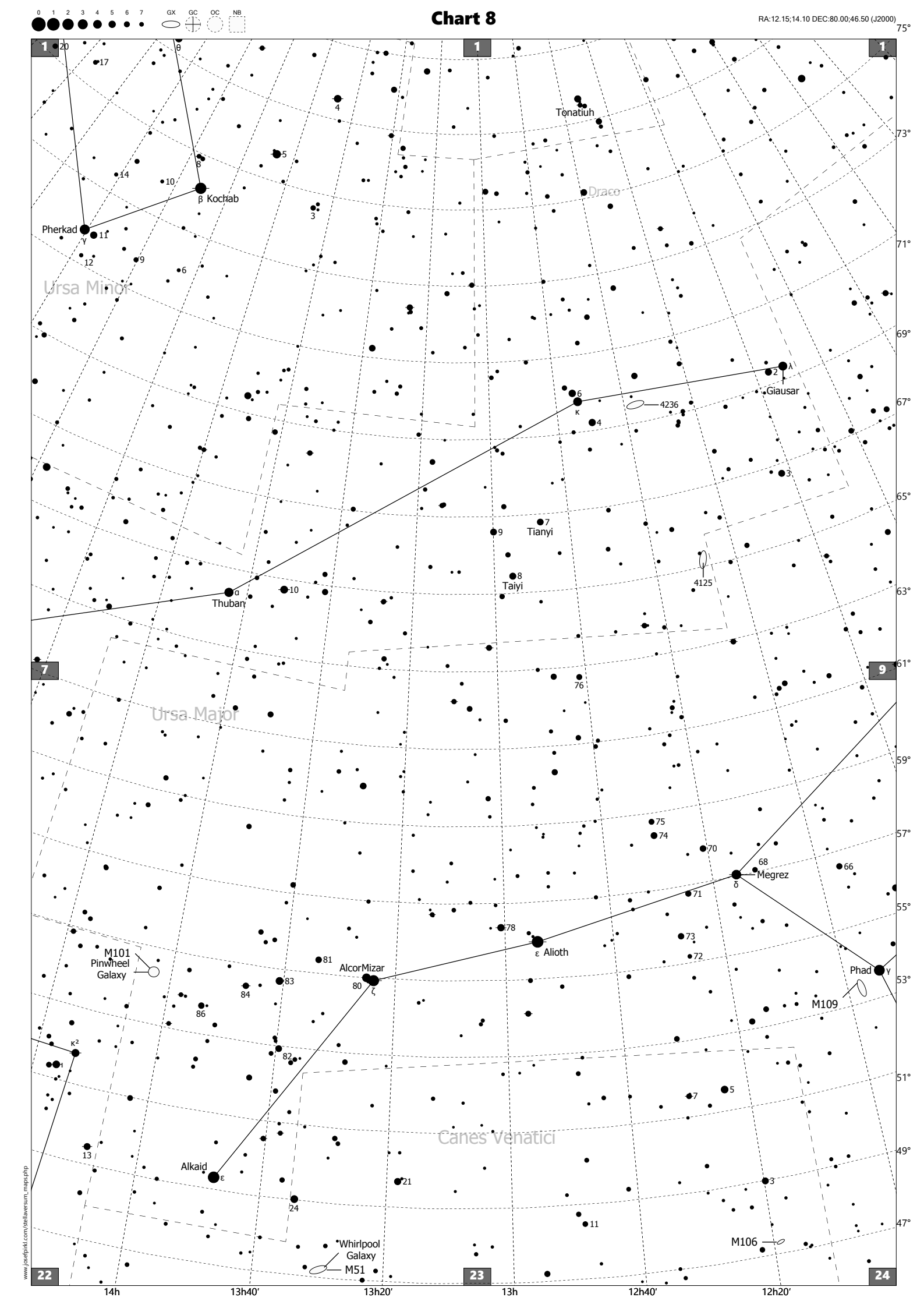

Chart 3
RA:20.40;22.35 DEC:80.00;46.50 (J2000)
0 1 2 3 4 5 6 7
GX GC OC NB
Errai
Cepheus
Alsafi
Alfirk
Draco
Kurhah
C9
Cave Nebula
Alderamin
Cygnus
Elephant Trunk
IC1396
IC1442
IC1434
Azelfafage
IC5146
Cocoon Nebula
M39
IC1369
7023
7142
7160
7261
7235
7226
7245
7296
7128
7086
7243
7031
7067
7082
6939
6946
22h20′
22h
21h40′
21h20′
21h
20h40′
20h20′
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
www.jsefpirkl.com/stellaversum_maps.php

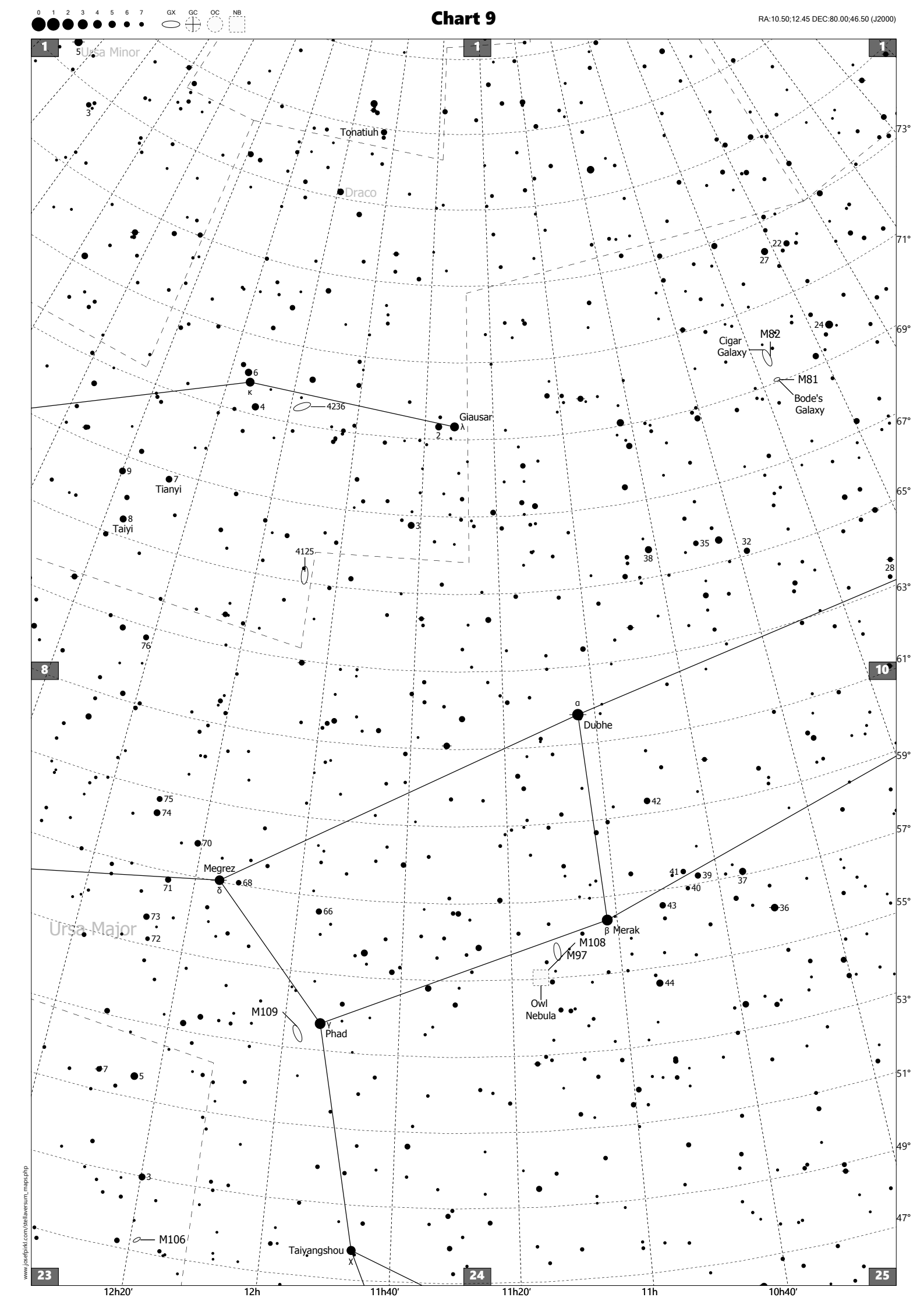

Chart 4
RA:18.75;20.70 DEC:80.00;46.50 (J2000)
0 1 2 3 4 5 6 7
GX GC OC NB
Cepheus
Dziban
Alfirk β
Alsafi
Altais
Cat Eye Nebula
6543
7023
Fafnir
Cygnus
6939
6946
Blinking Planetary
6826
Draco
1
3
5
18
19
20
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
20h40'
20h20'
20h
19h40'
19h20'
19h
18h40'
www.jsefpirkl.com/stellaversum_maps.php

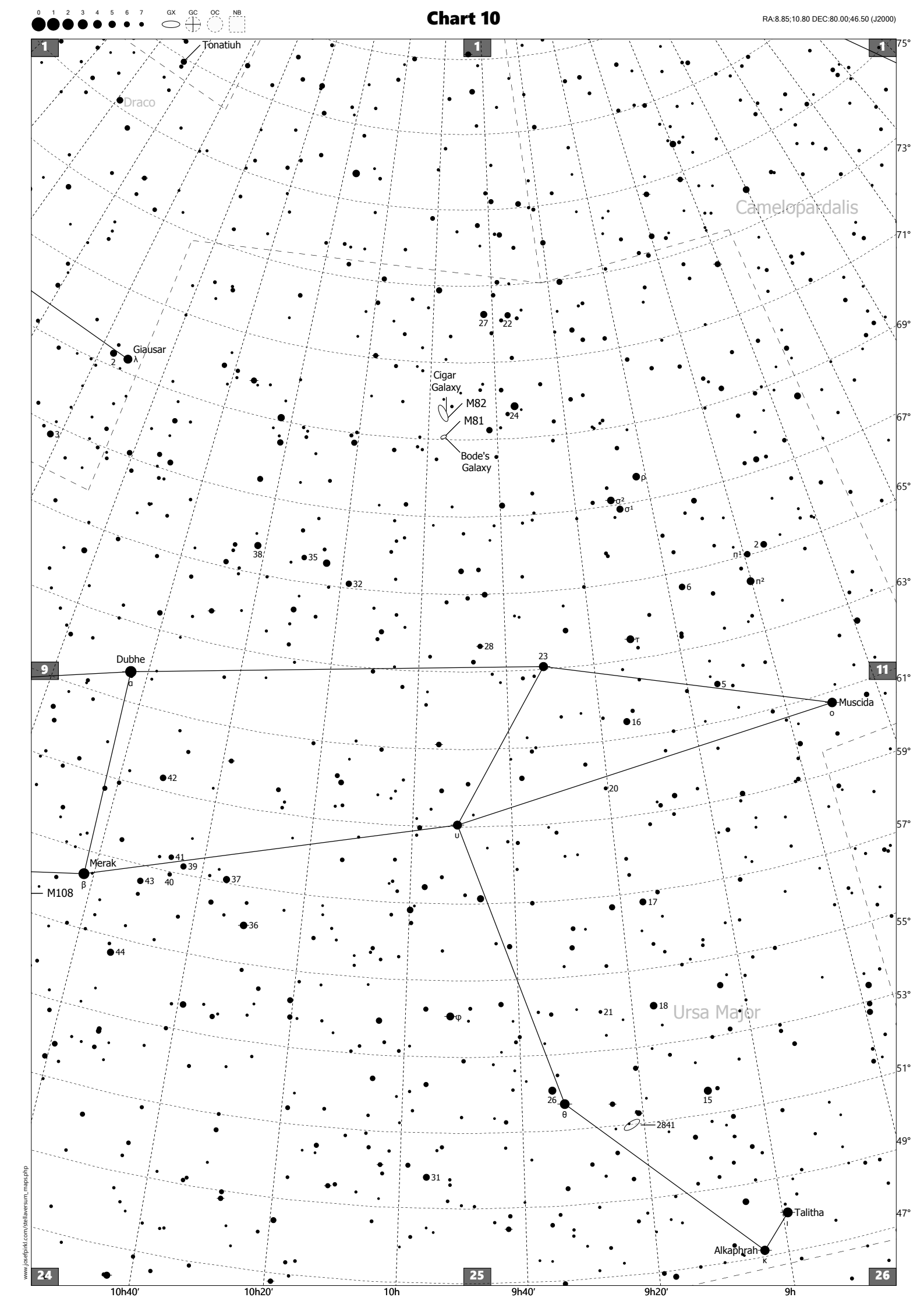

Chart 5
RA:17.10;19.05 DEC:80.00;46.50 (J2000)
0 1 2 3 4 5 6 7
GX GC OC NB
Dziban
Alsafi
Altais
Aldhibah
6543
Cat Eye Nebula
Fafnir
Grumium
Alrakis
Draco
Alruba
Rastaban
Etamin
Hercules
19h 18h40' 18h20' 18h 17h40' 17h20' 17h
75° 73° 71° 69° 67° 65° 63° 61° 59° 57° 55° 53° 51° 49° 47°
www.jsefpirkl.com/stellaversum_maps.php

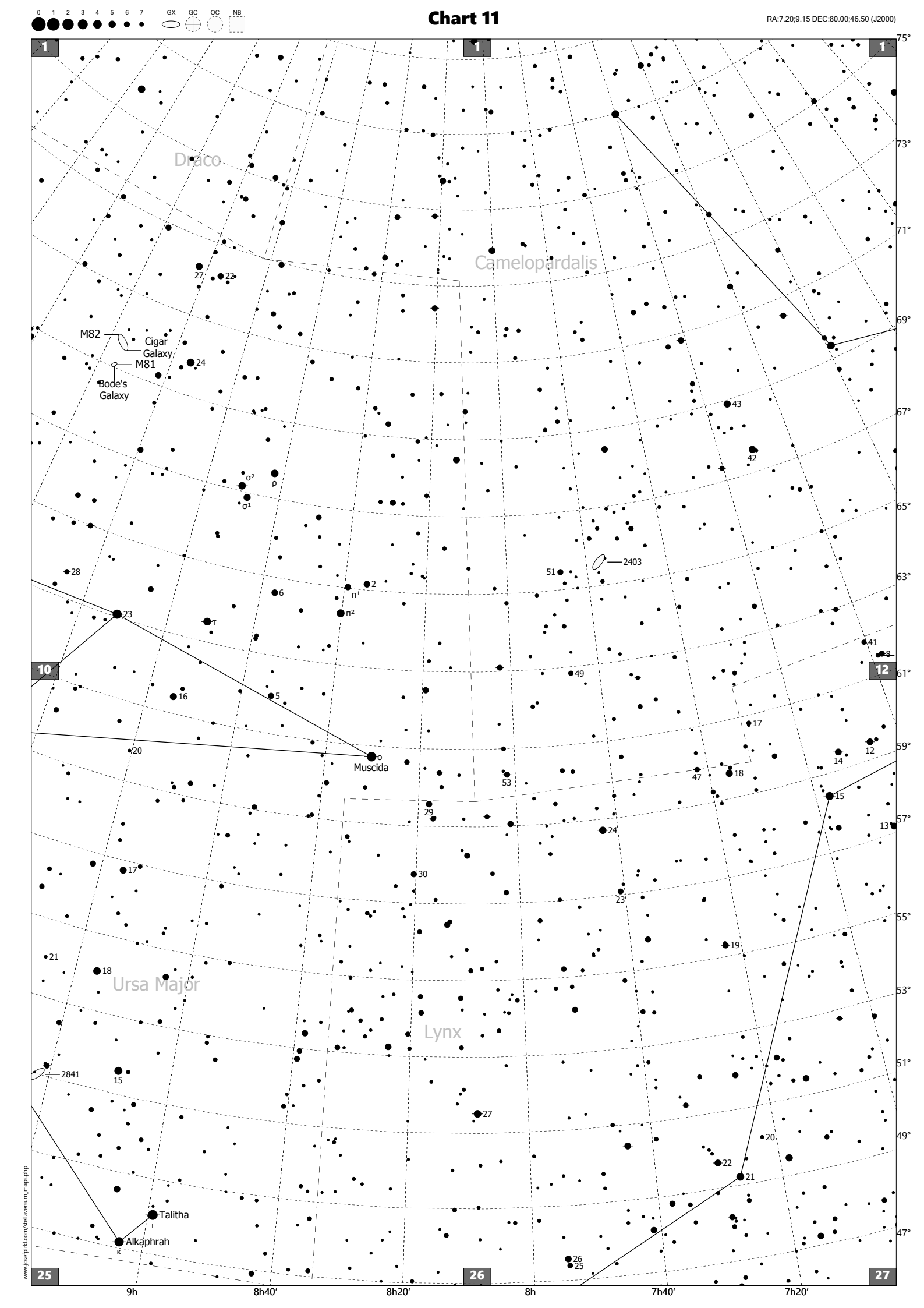

Chart 6
RA:15.45;17.40 DEC:80.00;46.50 (J2000)
0 1 2 3 4 5 6 7
GX GC OC NB
Kochab
Pherkad
Dziban
Cat Eye Nebula
Aldhibah
Athebyne
Edasich
Alrakis
β Rastaban
Ursa Minor
Draco
Boötes
Hercules
6543
6229
17h20′
17h
16h40′
16h20′
16h
15h40′
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
www.josefpirkl.com/stellaversum_maps.php

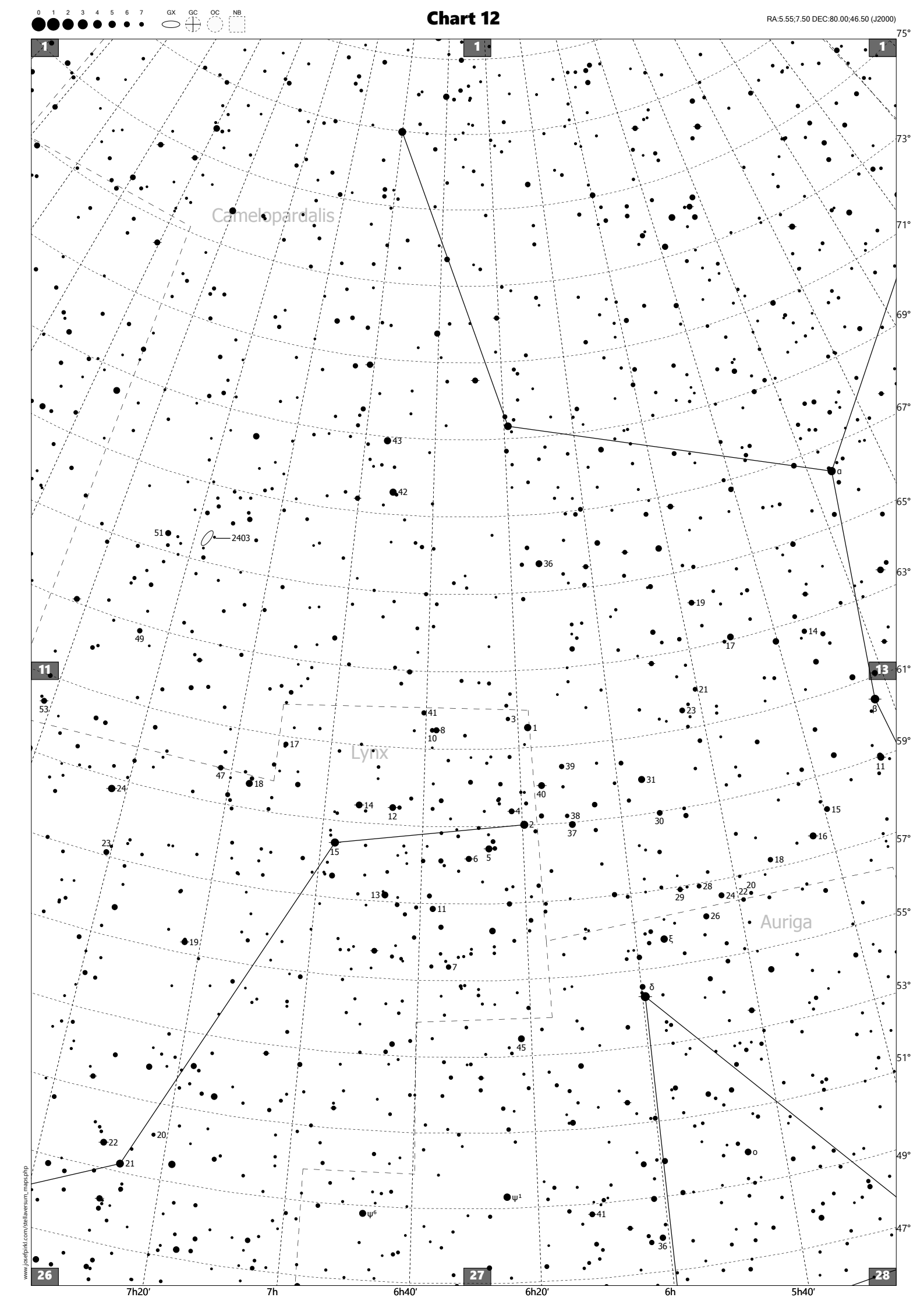

Chart 7
RA:13.80;15.75 DEC:80.00;46.50 (J2000)
0 1 2 3 4 5 6 7
GX GC OC NB
Kochab
Pherkad
Thuban
Edasich
Mizar
M101
Pinwheel Galaxy
Alkaid
Ursa Minor
Ursa Major
Draco
Boötes
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
15h40′
15h20′
15h
14h40′
14h20′
14h
www.josefpirkl.com/stellaversum_maps.php

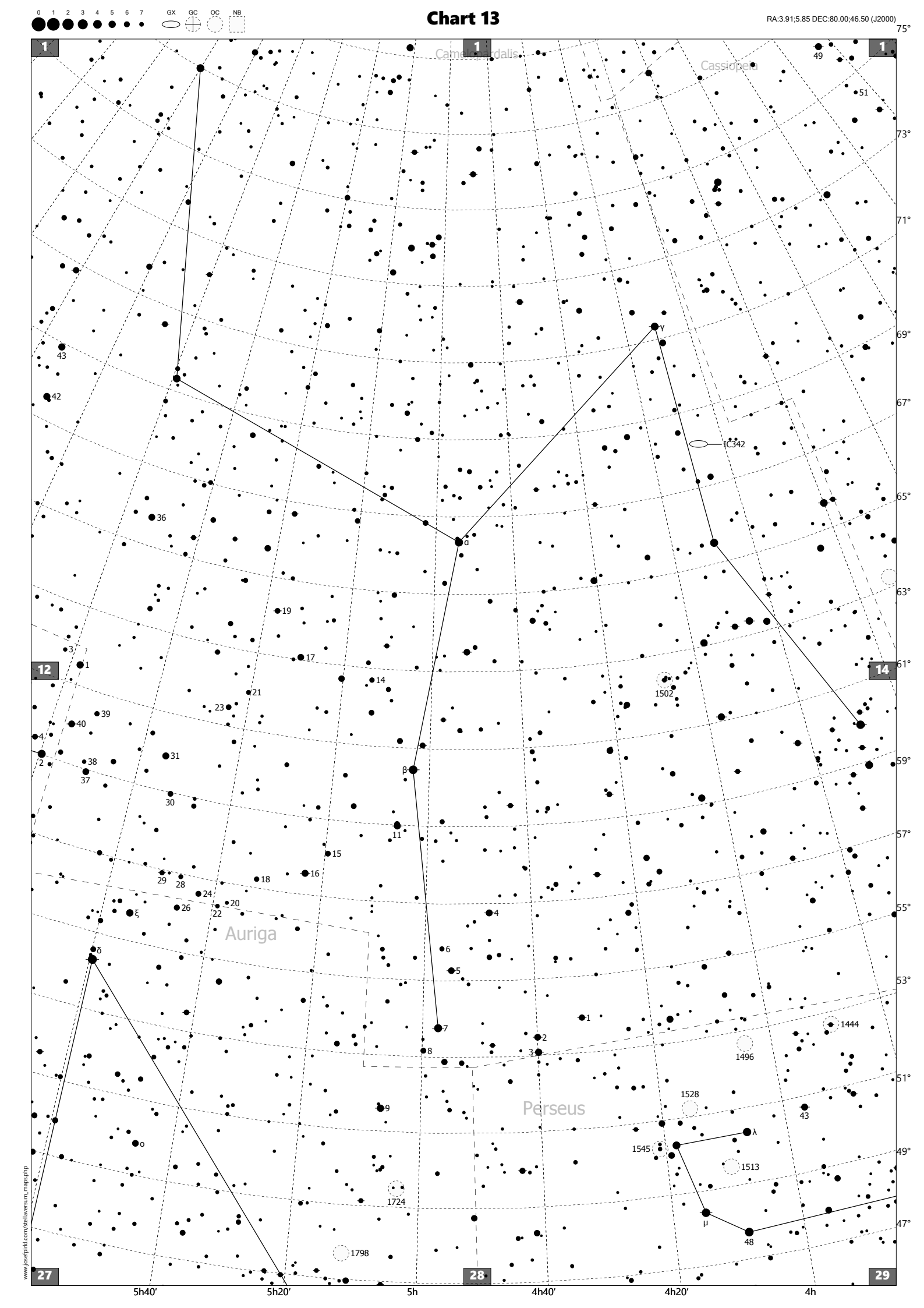

Chart 8
RA:12.15;14.10 DEC:80.00;46.50 (J2000)
0 1 2 3 4 5 6 7 GX GC OC NB
Tonatiuh
Draco
Kochab
Pherkad
Ursa Minor
Giausar
4236
Tianyi
Taiyi
4125
Thuban
Ursa Major
Megrez
Alioth
M101
Pinwheel
Galaxy
AlcorMizar
Phad
M109
Canes Venatici
Alkaid
Whirlpool
Galaxy
M51
M106
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
14h
13h40'
13h20'
13h
12h40'
12h20'
www.jsefpirkl.com/stellaversum_maps.php

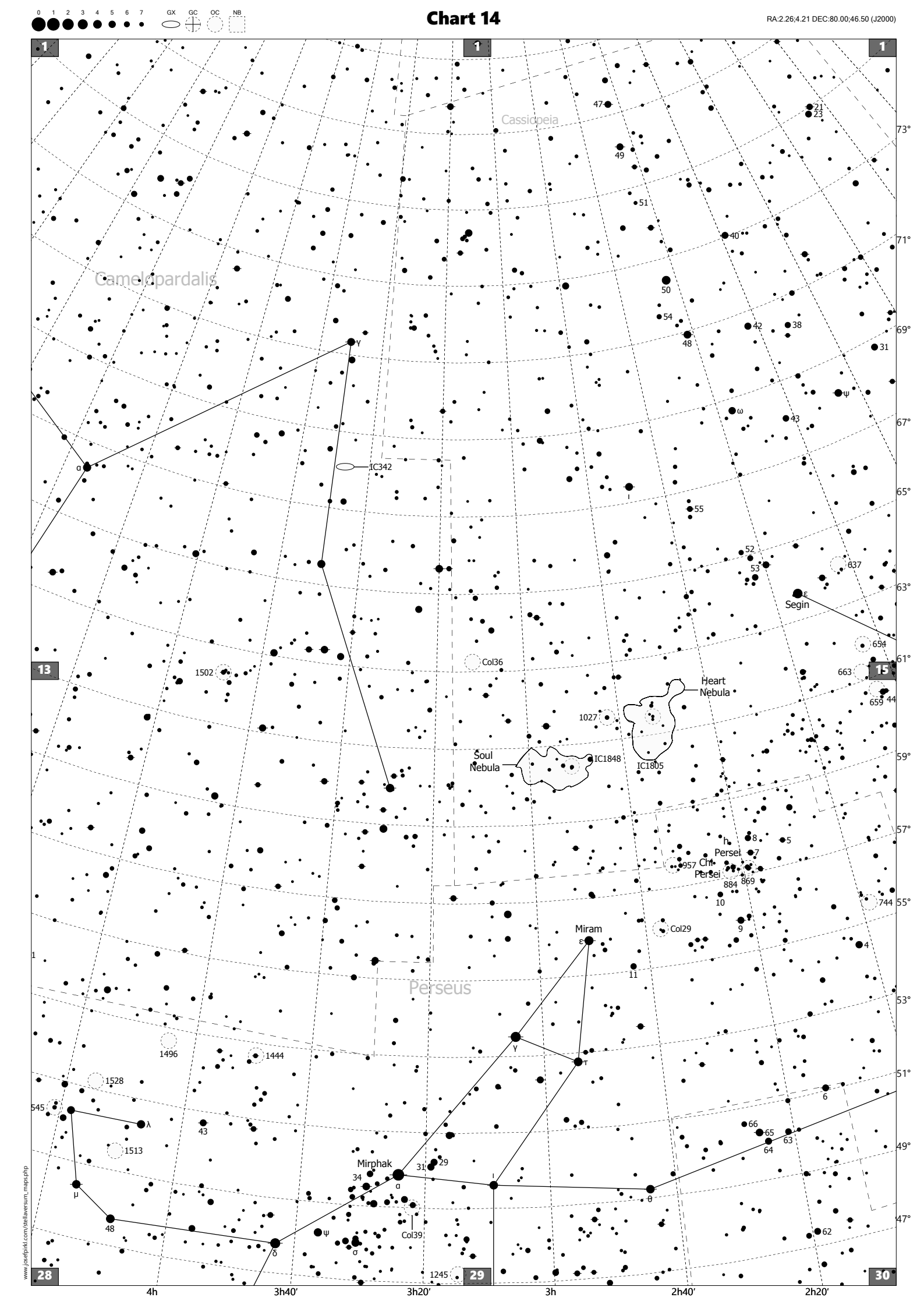

Chart 9
RA:10.50;12.45 DEC:80.00;46.50 (J2000)
0 1 2 3 4 5 6 7
GX GC OC NB
Ursa Minor
Draco
Ursa Major
Tonatiuh
Cigar Galaxy
M82
M81
Bode's Galaxy
Giausar
Tianyi
Taiyi
4125
4236
Dubhe
Megrez
Merak
M108
M97
Owl Nebula
M109
Phad
M106
Taiyangshou
www.josefpirkl.com/stellaversum_maps.php
1
8
10
23
24
25
12h20'
12h
11h40'
11h20'
11h
10h40'
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°

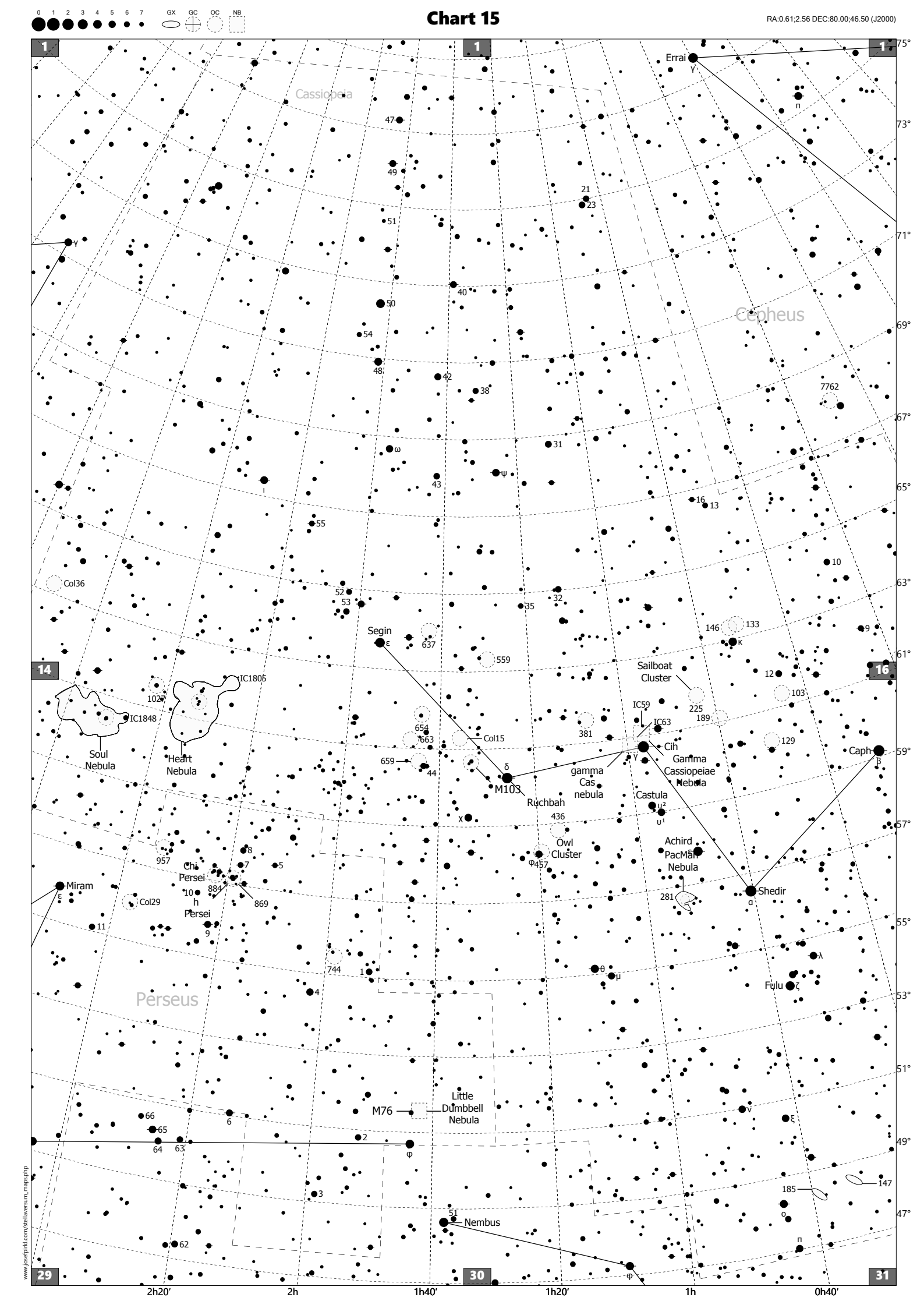

0 1 2 3 4 5 6 7
GX GC OC NB
Chart 10
RA:8.85;10.80 DEC:80.00;46.50 (J2000)
Tonatiuh
Draco
Camelopardalis
Giausar
λ
Cigar Galaxy
M82
M81
Bode's Galaxy
Dubhe
α
Merak
β
M108
Muscida
o
υ
Ursa Major
2841
Talitha
Alkaphrah
κ
1
9
11
24
25
26
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
10h40'
10h20'
10h
9h40'
9h20'
9h
www.josefpirkl.com/stellaversum_maps.php


Chart 11
RA:7.20;9.15 DEC:80.00;46.50 (J2000)
0 1 2 3 4 5 6 7
GX GC OC NB
Draco
Camelopardalis
Ursa Major
Lynx
M82
Cigar Galaxy
M81
Bode's Galaxy
Muscida
Talitha
Alkaphrah
2403
2841
σ²
σ¹
ρ
τ
η¹
η²
κ
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
9h
8h40′
8h20′
8h
7h40′
7h20′
1
10
12
25
26
27
www.josefpirkl.com/stellaversum_maps.php


0 1 2 3 4 5 6 7
GX GC OC NB
Chart 12
RA:5.55;7.50 DEC:80.00;46.50 (J2000)
Camelopardalis
Lynx
Auriga
1
11
13
26
27
28
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
7h20′
7h
6h40′
6h20′
6h
5h40′
www.jsefpirkl.com/stellaversun_maps.php


Chart 13
RA:3.91;5.85 DEC:80.00;46.50 (J2000)
0 1 2 3 4 5 6 7
GX GC OC NB
Camelopardalis
Cassiopeia
Auriga
Perseus
IC342
1502
1444
1496
1528
1545
1513
1724
1798
α
β
γ
δ
λ
μ
ξ
ο
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
1
12
14
27
28
29
5h40′
5h20′
5h
4h40′
4h20′
4h
www.josefpirkl.com/stellaversum_maps.php


Chart 14
RA:2.26;4.21 DEC:80.00;46.50 (J2000)
0 1 2 3 4 5 6 7
GX GC OC NB
Cassiopeia
Camelopardalis
Perseus
IC342
Col36
Heart Nebula
IC1805
Soul Nebula
IC1848
Segin
Miram
Mirphak
Col29
Col39
h Persei
χ Persei
1502
1027
1496
1444
1528
1513
1245
13
15
28
29
30
1
4h
3h40'
3h20'
3h
2h40'
2h20'
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
www.josefpirkl.com/stellaversum_maps.php


Chart 15
RA:0.61;2.56 DEC:80.00;46.50 (J2000)
0 1 2 3 4 5 6 7
GX GC OC NB
Cassiopeia
Cepheus
Perseus
Errai
γ
Segin
ε
637
559
Sailboat
Cluster
IC59
IC63
225
189
381
Cih
Gamma
Cassiopeiae
Nebula
gamma
Cas
nebula
δ
M103
Ruchbah
Castula
υ²
υ¹
Caph
β
Achird
PacMan
Nebula
Shedir
α
281
Owl
Cluster
436
φ457
χ
IC1805
1027
IC1848
Soul
Nebula
Heart
Nebula
654
663
659
44
Col15
Col36
957
Chi
Persei
884
869
h
Persei
Col29
Miram
ε
744
Fulu
ζ
λ
θ
μ
M76
Little
Dumbbell
Nebula
Nembus
7762
Ψ
ω
γ
η
ξ
ν
ο
π
147
185
Errai
γ
Shedir
α
Caph
β
Cih
Gamma
Cassiopeiae
Nebula
Sailboat
Cluster
Segin
ε
M103
Ruchbah
gamma
Cas
nebula
Castula
Owl
Cluster
Achird
PacMan
Nebula
Fulu
ζ
Miram
ε
Chi
Persei
h
Persei
Soul
Nebula
Heart
Nebula
Little
Dumbbell
Nebula
M76
Nembus
1
14
16
29
30
31
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
2h20′
2h
1h40′
1h20′
1h
0h40′
www.josefpirkl.com/stellaversum_maps.php

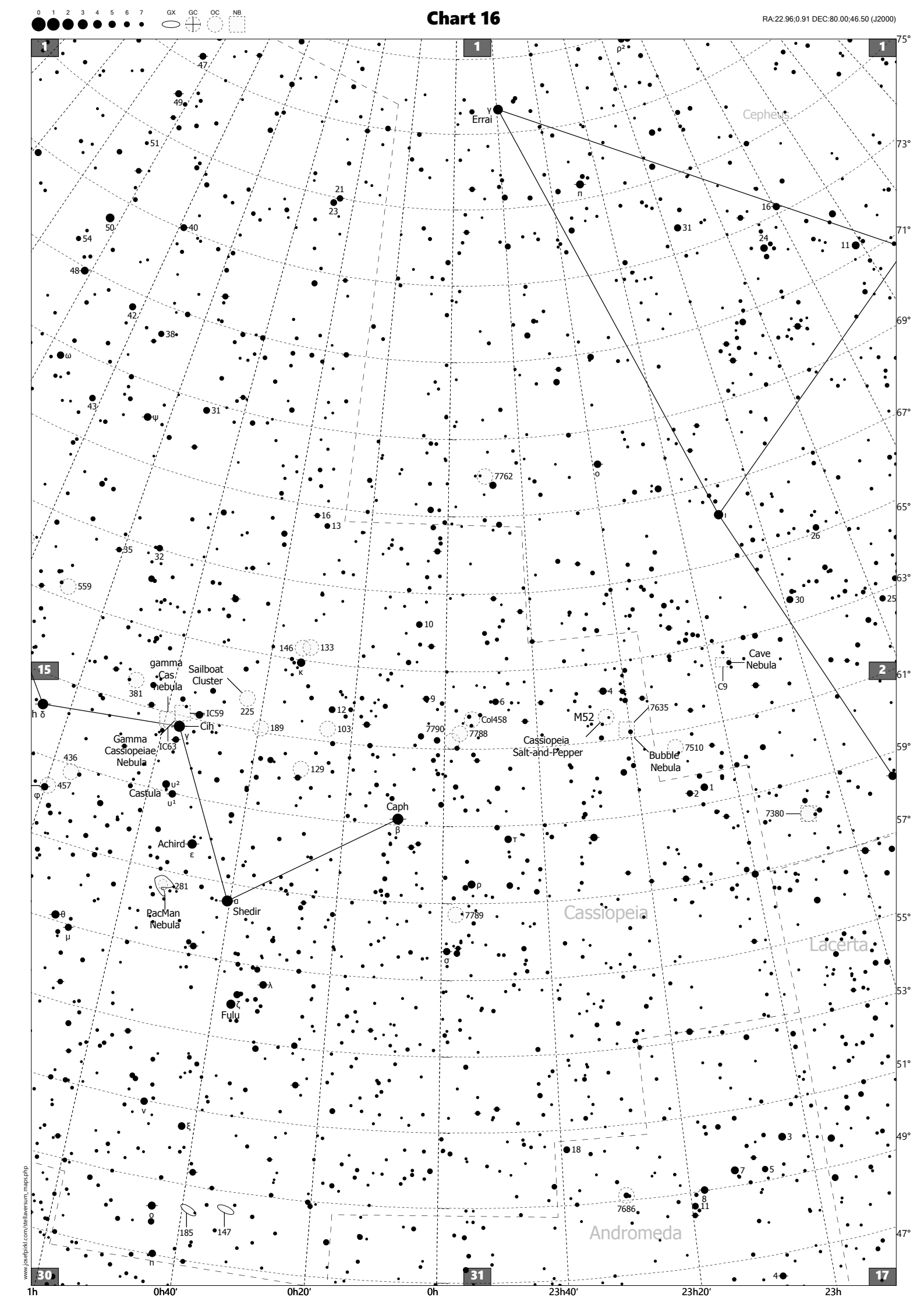
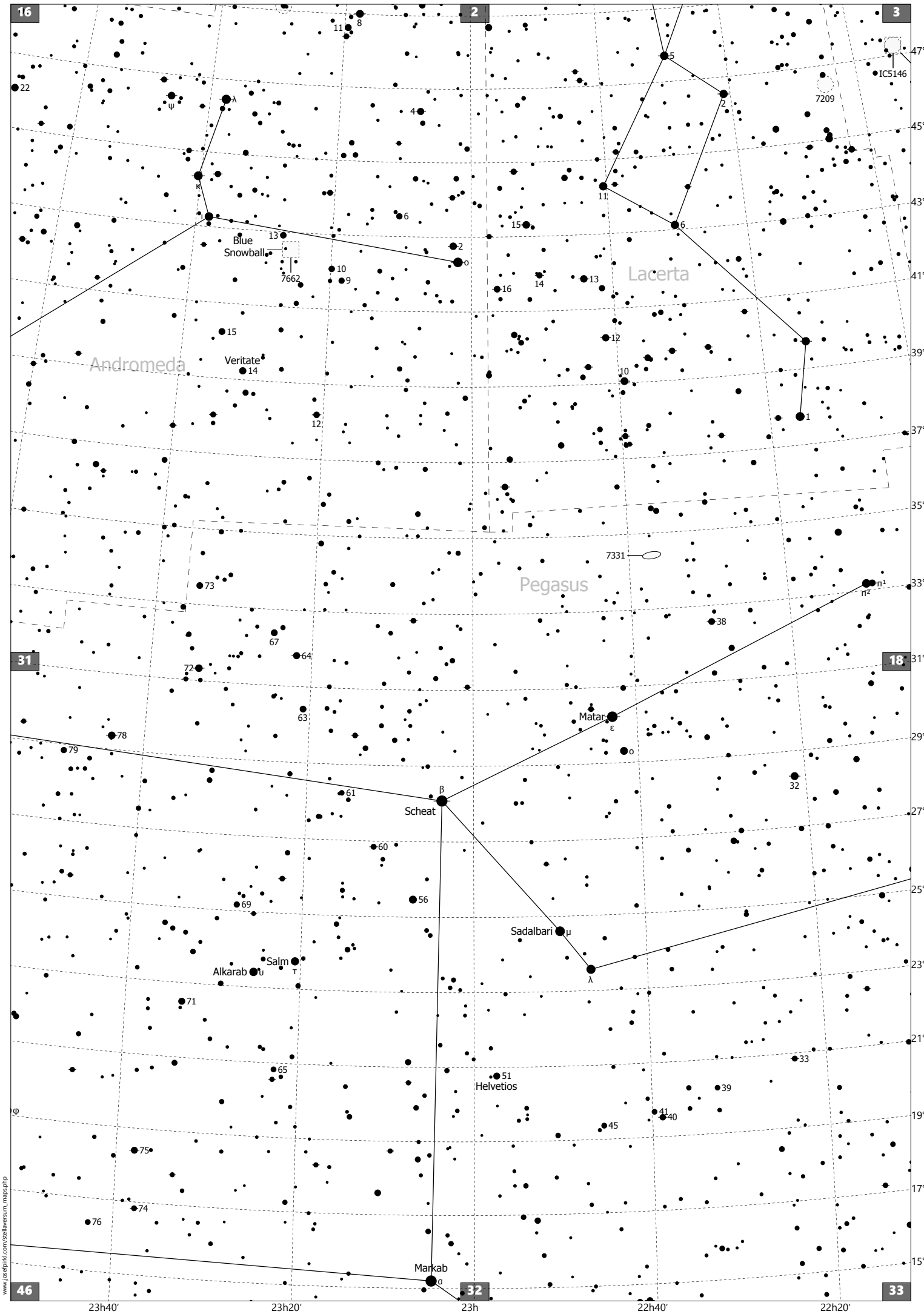
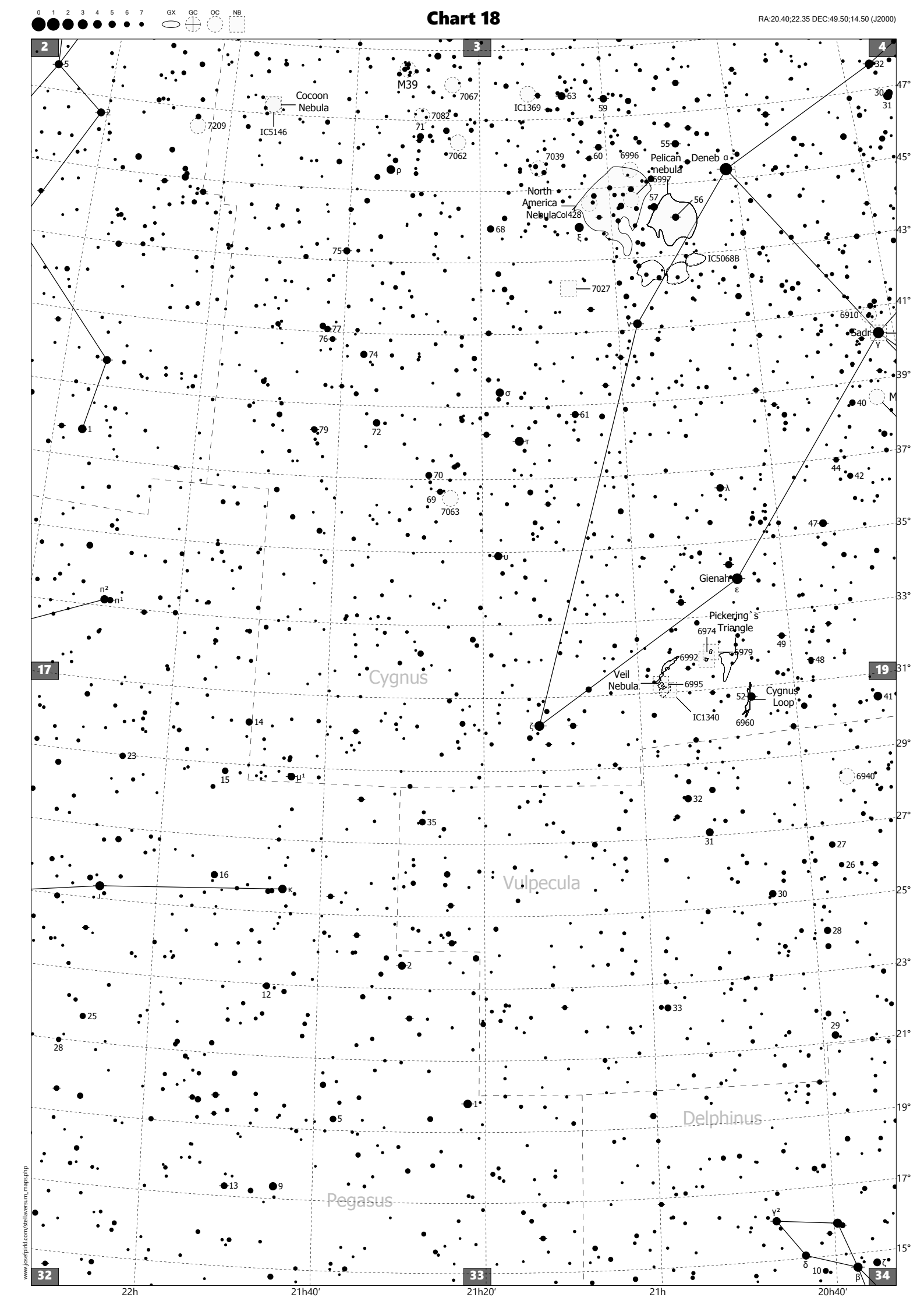

Chart 16
RA:22.96;0.91 DEC:80.00;46.50 (J2000)
0 1 2 3 4 5 6 7
GX GC OC NB
Errai
Cepheus
Cassiopeia
Lacerta
Andromeda
Caph
Shedir
Achird
Fulu
Castula
Gamma Cassiopeiae Nebula
gamma Cas nebula
Sailboat Cluster
IC59
IC63
Cih
PacMan Nebula
M52
Cassiopeia Salt-and-Pepper
Bubble Nebula
Cave Nebula
C9
Col458
7635
7510
7380
7762
7790
7788
7789
7686
1h
0h40'
0h20'
0h
23h40'
23h20'
23h
www.jsefpirkl.com/stellaversum_maps.php

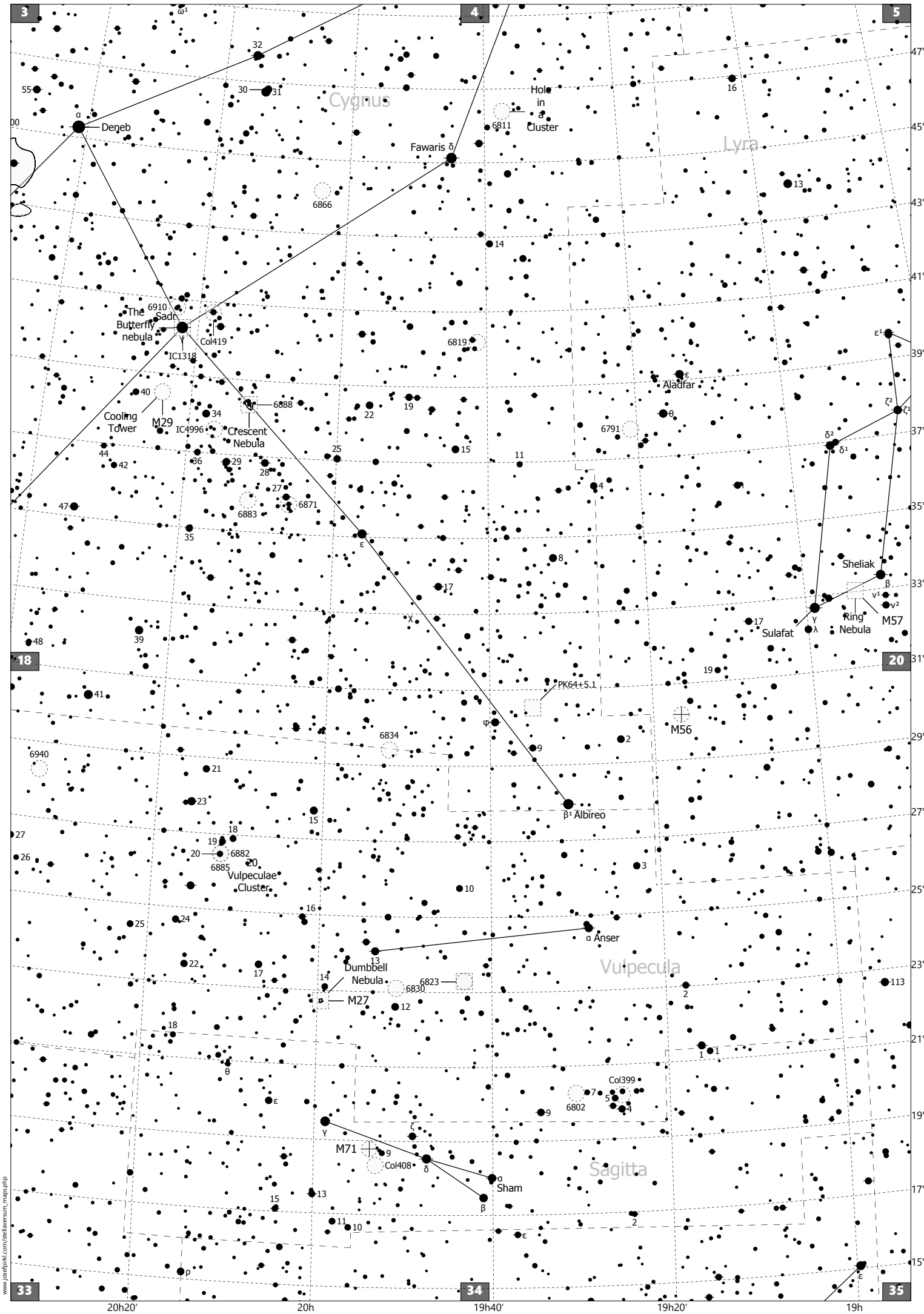
Chart 17

RA:22.05;0.00 DEC:49.50;14.50 (J2000)



www.josefpirkl.com/stellaversum_maps.php

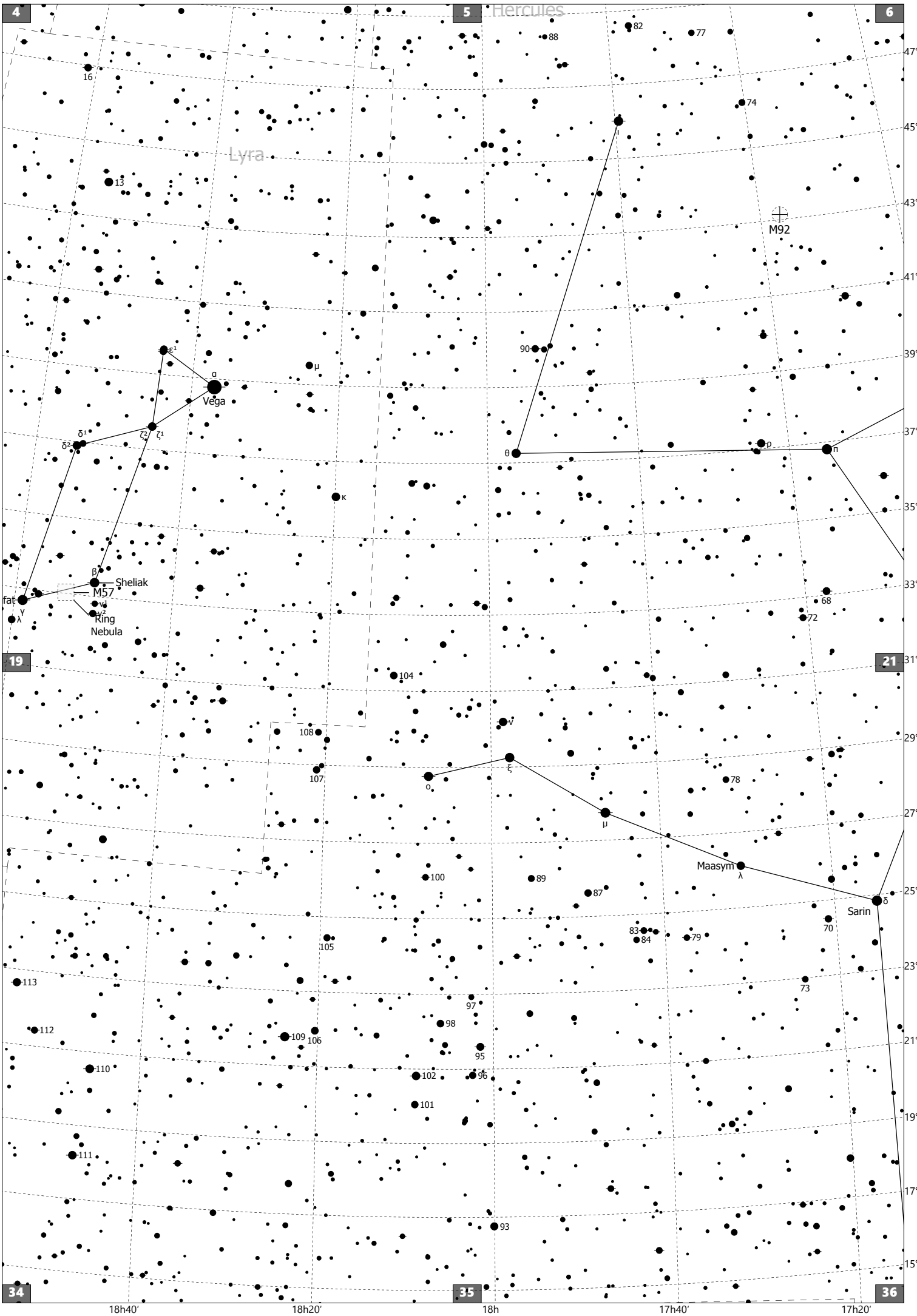

Chart 18
RA:20.40;22.35 DEC:49.50;14.50 (J2000)
0 1 2 3 4 5 6 7
GX GC OC NB
2
3
4
17
19
32
33
34
Cocoon Nebula
IC5146
M39
7067
7209
7082
7062
IC1369
7039
6996
Pelican nebula
Deneb
6997
North America Nebula
Col428
IC5068B
7027
6910
Sadr
7063
Gienah
Pickering's Triangle
6974
6979
6992
Veil Nebula
6995
IC1340
Cygnus Loop
6960
6940
Cygnus
Vulpecula
Delphinus
Pegasus
22h
21h40'
21h20'
21h
20h40'
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
www.josefpirkl.com/stellaversum_maps.php



www.jsefpirkl.com/stellaversum_maps.php

Chart 20

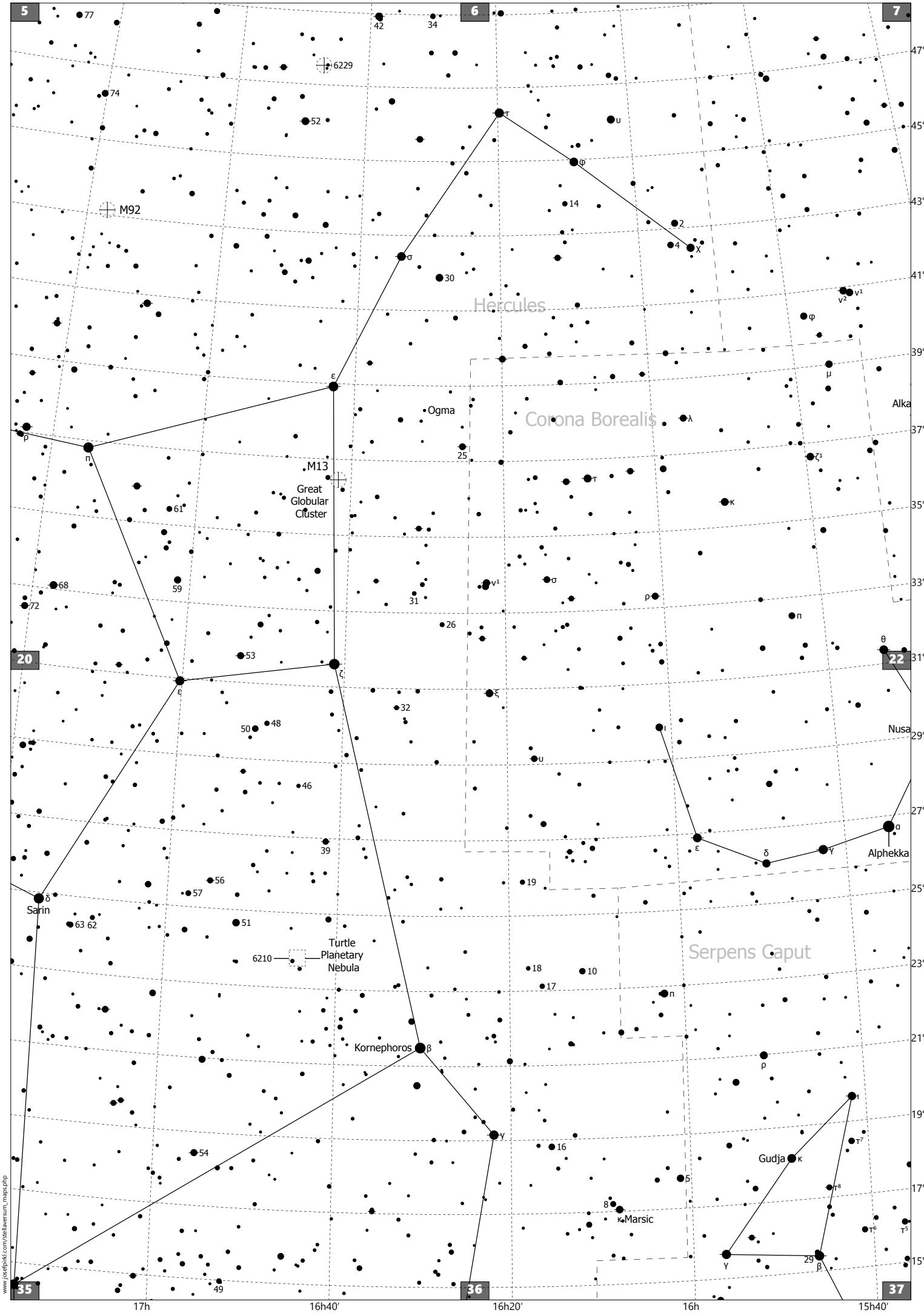
RA:17.10;19.05 DEC:49.50;14.50 (J2000)



www.josefpirkl.com/stellaversum_maps.php

Chart 21

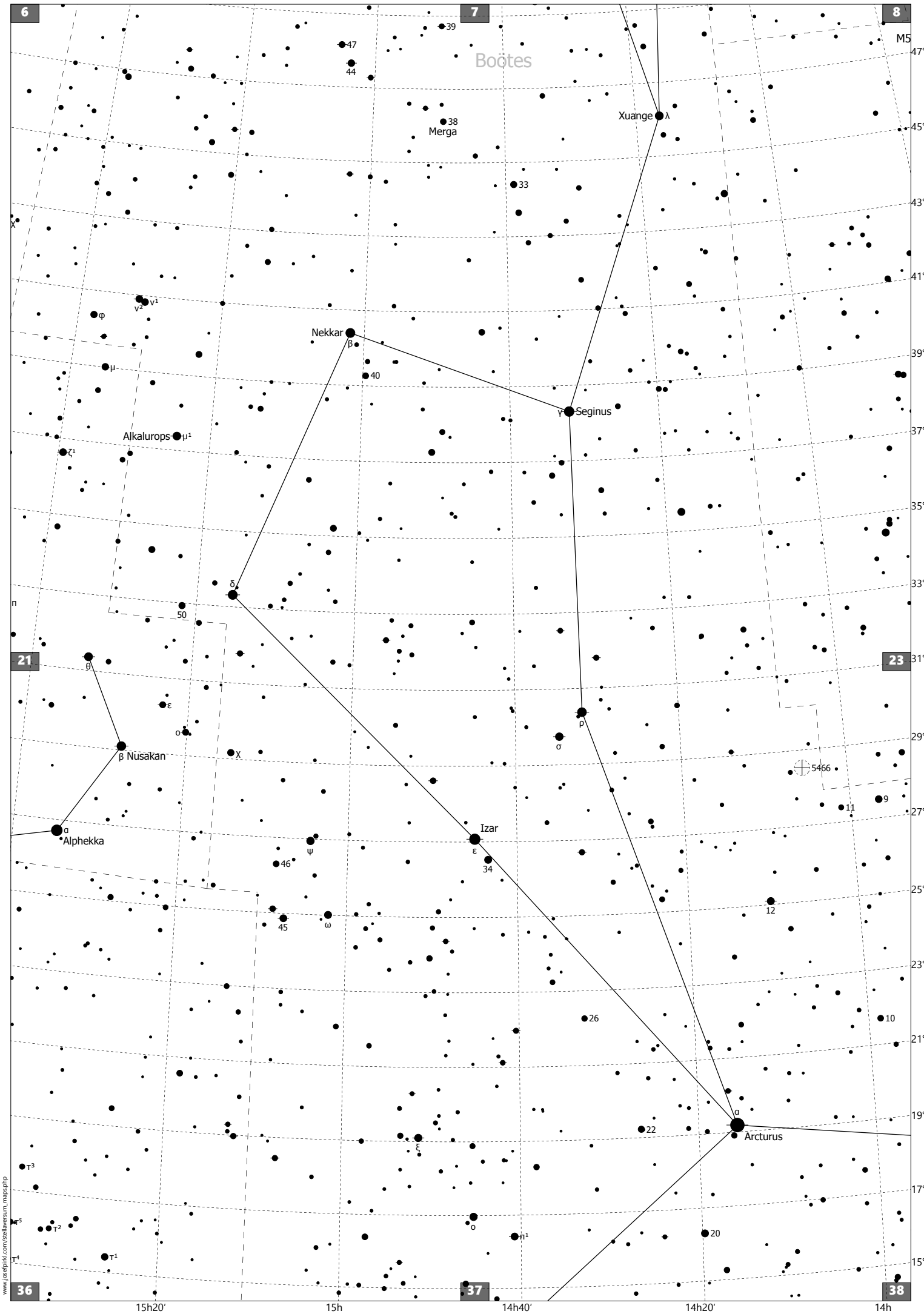
RA:15.45;17.40 DEC:49.50;14.50 (J2000)



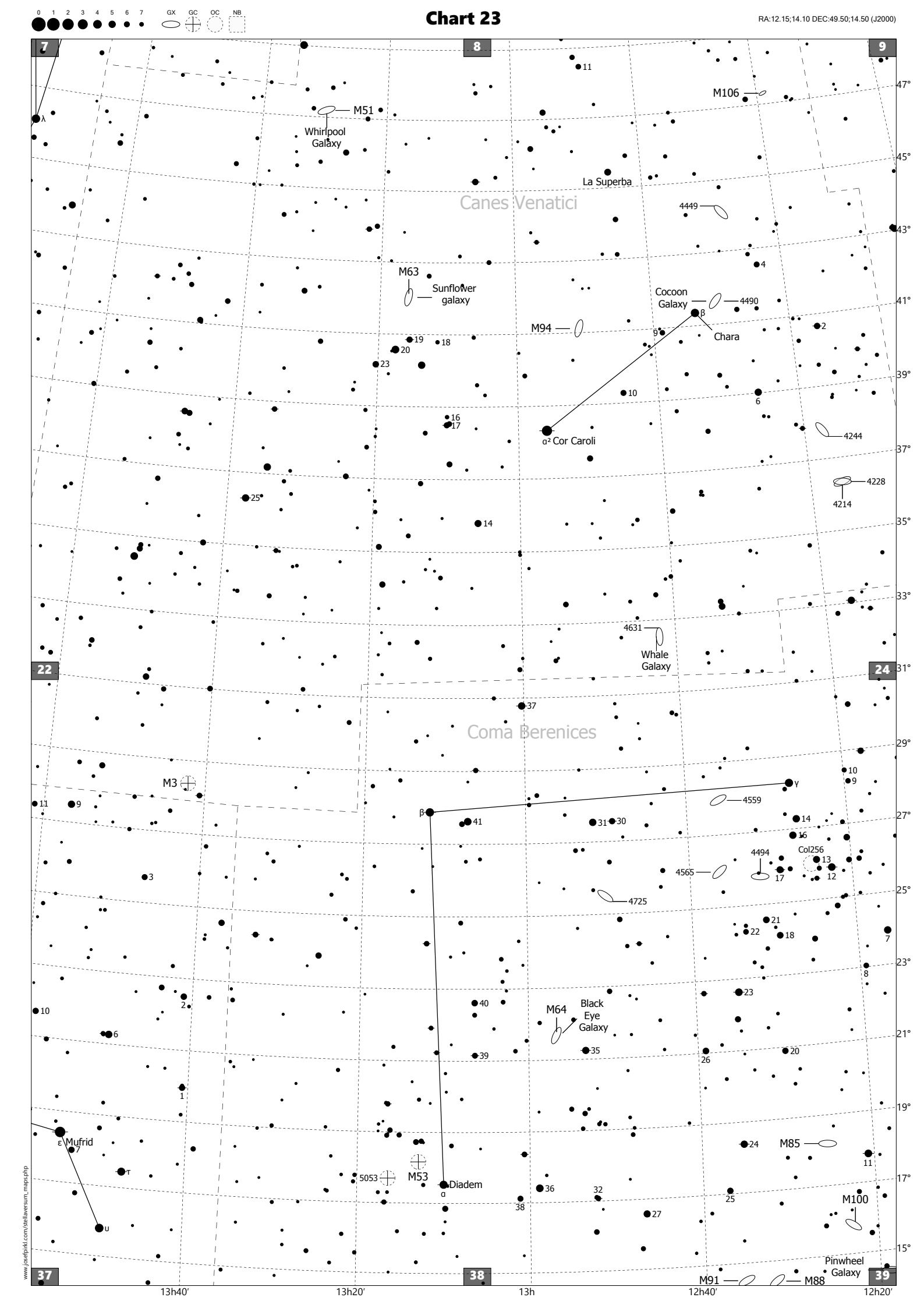
www.jsofpirkl.com/stellaversum_maps.php

Chart 22

RA:13.80;15.75 DEC:49.50;14.50 (J2000)



www.jsefpirkl.com/stellaversum_maps.php


Chart 23
RA:12.15;14.10 DEC:49.50;14.50 (J2000)
0 1 2 3 4 5 6 7 GX GC OC NB
7
8
9
22
24
37
38
39
M51
Whirlpool Galaxy
M106
La Superba
Canes Venatici
4449
M63
Sunflower galaxy
Cocoon Galaxy
4490
M94
Chara
α² Cor Caroli
4244
4228
4214
4631
Whale Galaxy
Coma Berenices
M3
4559
4565
Col256
4494
4725
M64
Black Eye Galaxy
ε Mufrid
5053
M53
Diadem
M85
M100
M91
M88
Pinwheel Galaxy
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
13h40′
13h20′
13h
12h40′
12h20′
www.josefpirkl.com/stellaversum_maps.php

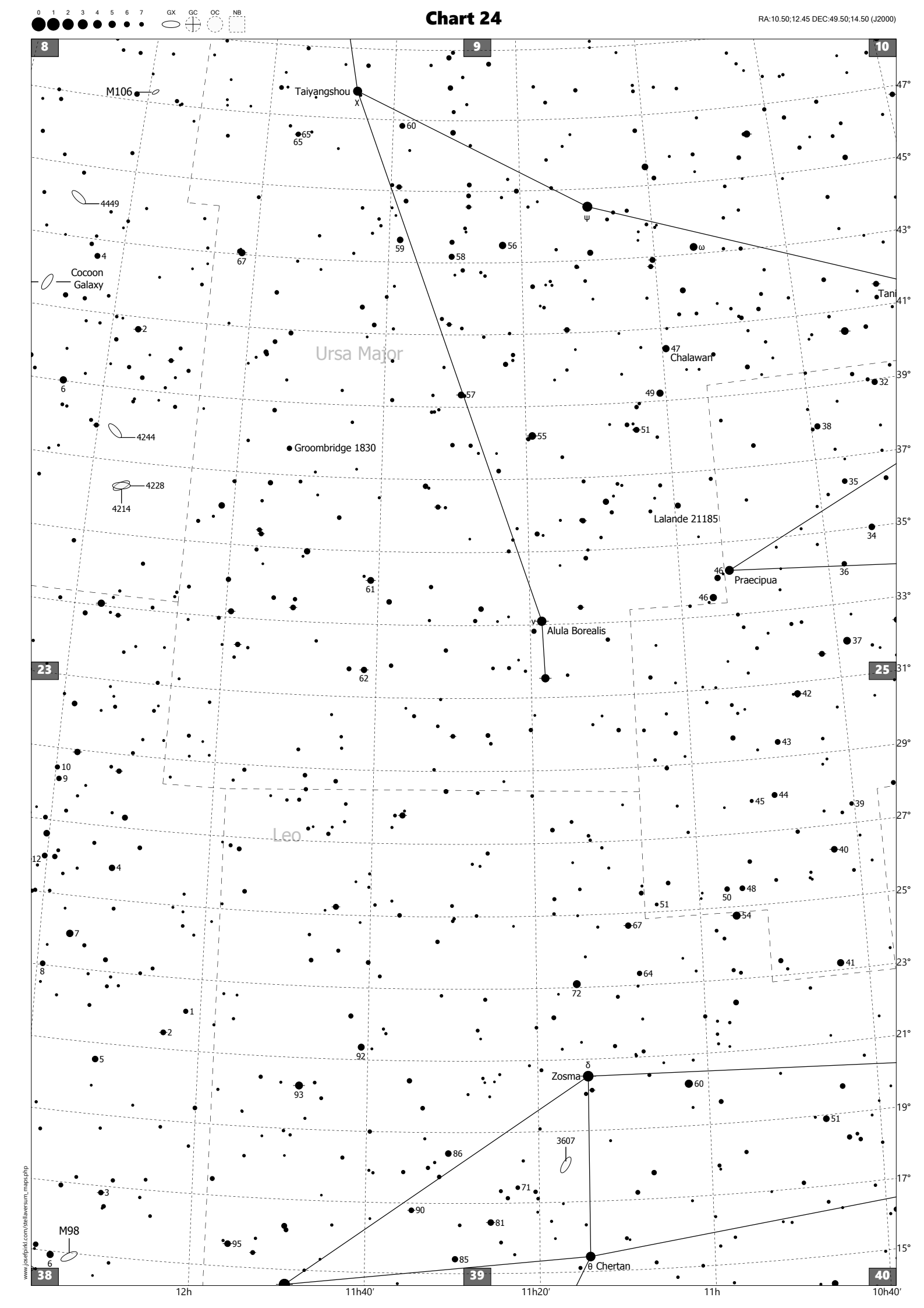
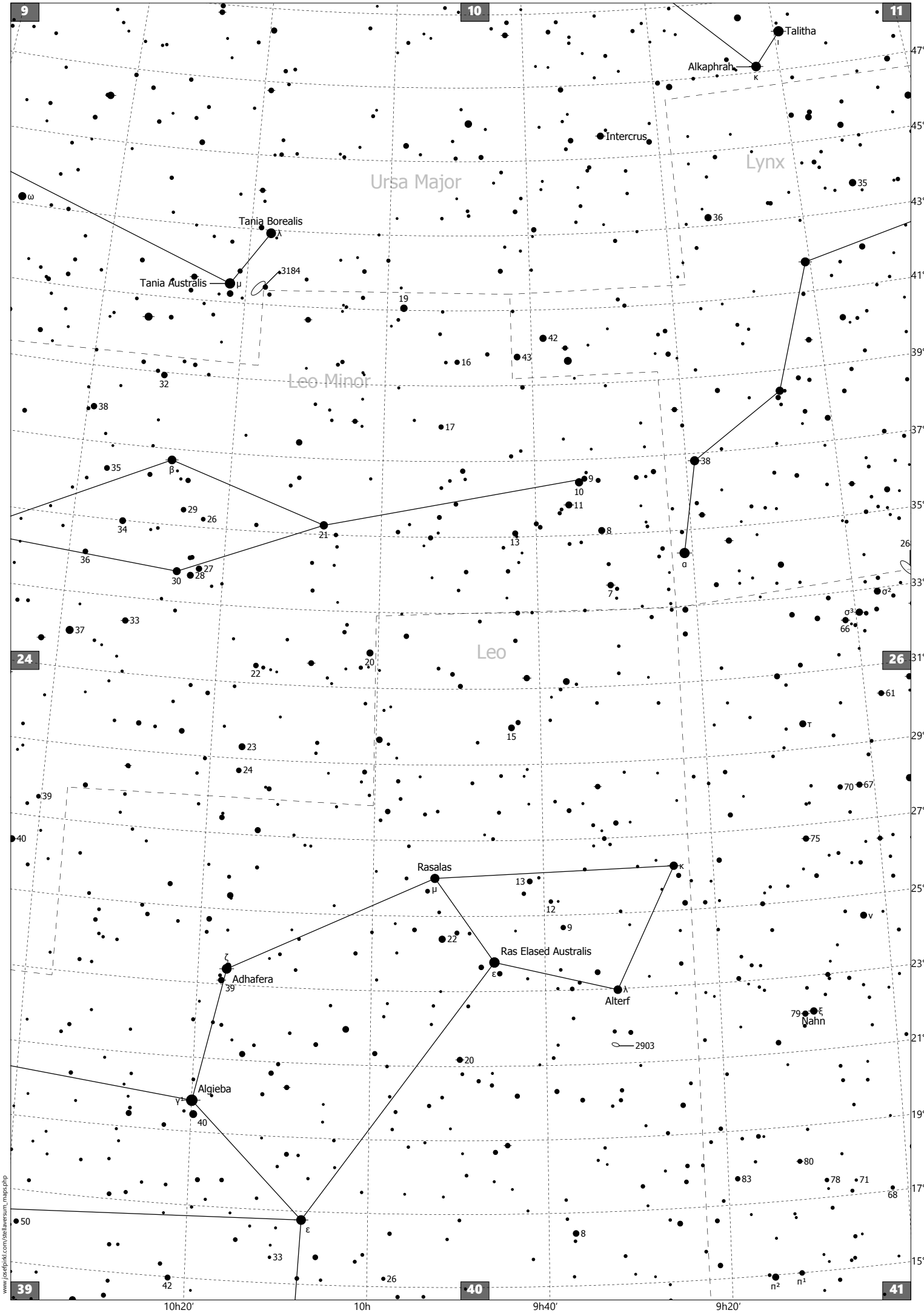

0 1 2 3 4 5 6 7
GX GC OC NB
Chart 24
RA:10.50;12.45 DEC:49.50;14.50 (J2000)
8
9
10
23
25
38
39
40
M106
Taiyangshou
χ
ψ
ω
Tani
4449
Cocoon Galaxy
Ursa Major
Chalawan
Groombridge 1830
4244
4228
4214
Lalande 21185
Praecipua
Alula Borealis
Leo
Zosma
δ
θ Chertan
3607
M98
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
12h
11h40′
11h20′
11h
10h40′
www.jsefipirkl.com/stellaversum_maps.php

Chart 25

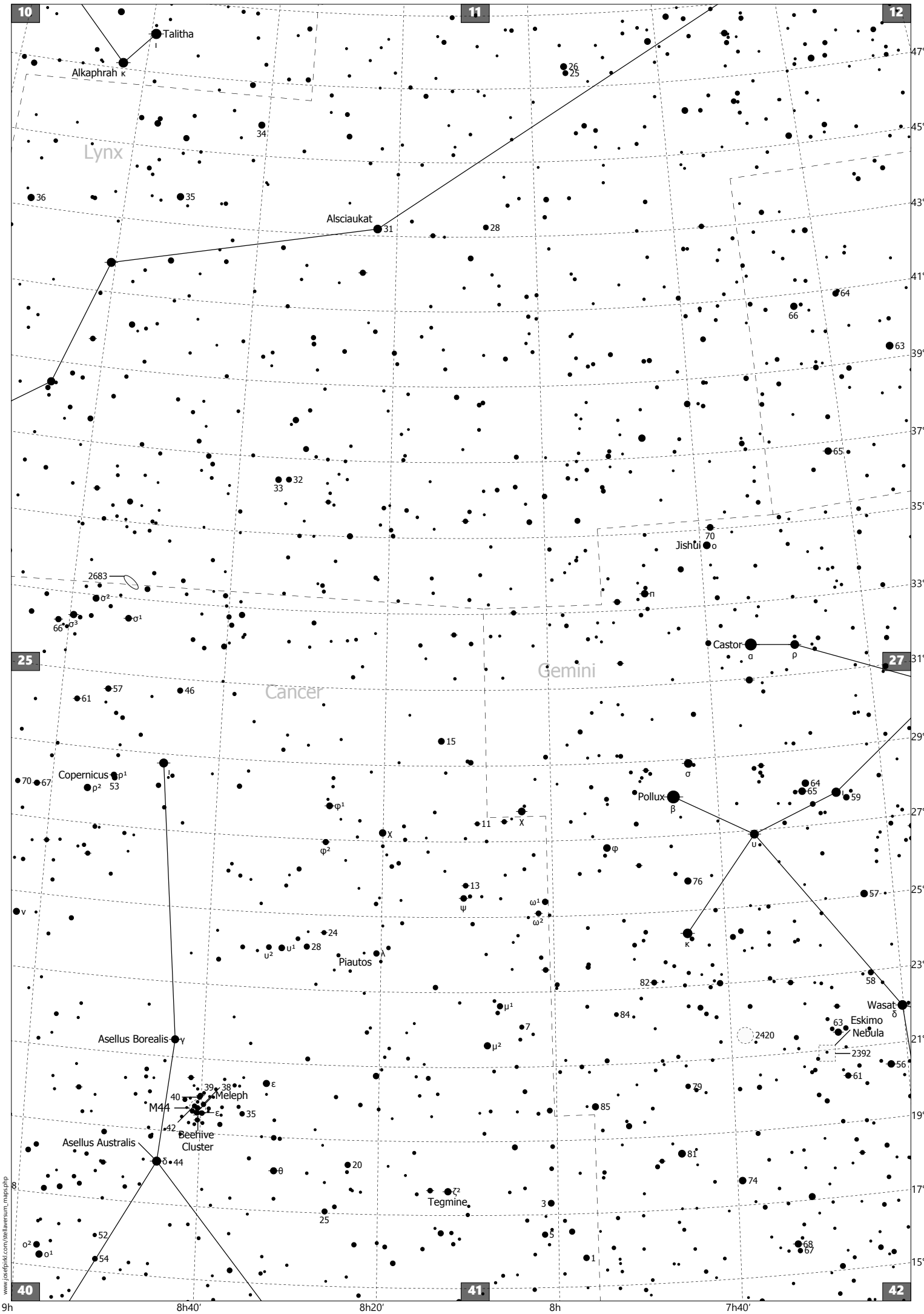
RA:8.85;10.80 DEC:49.50;14.50 (J2000)



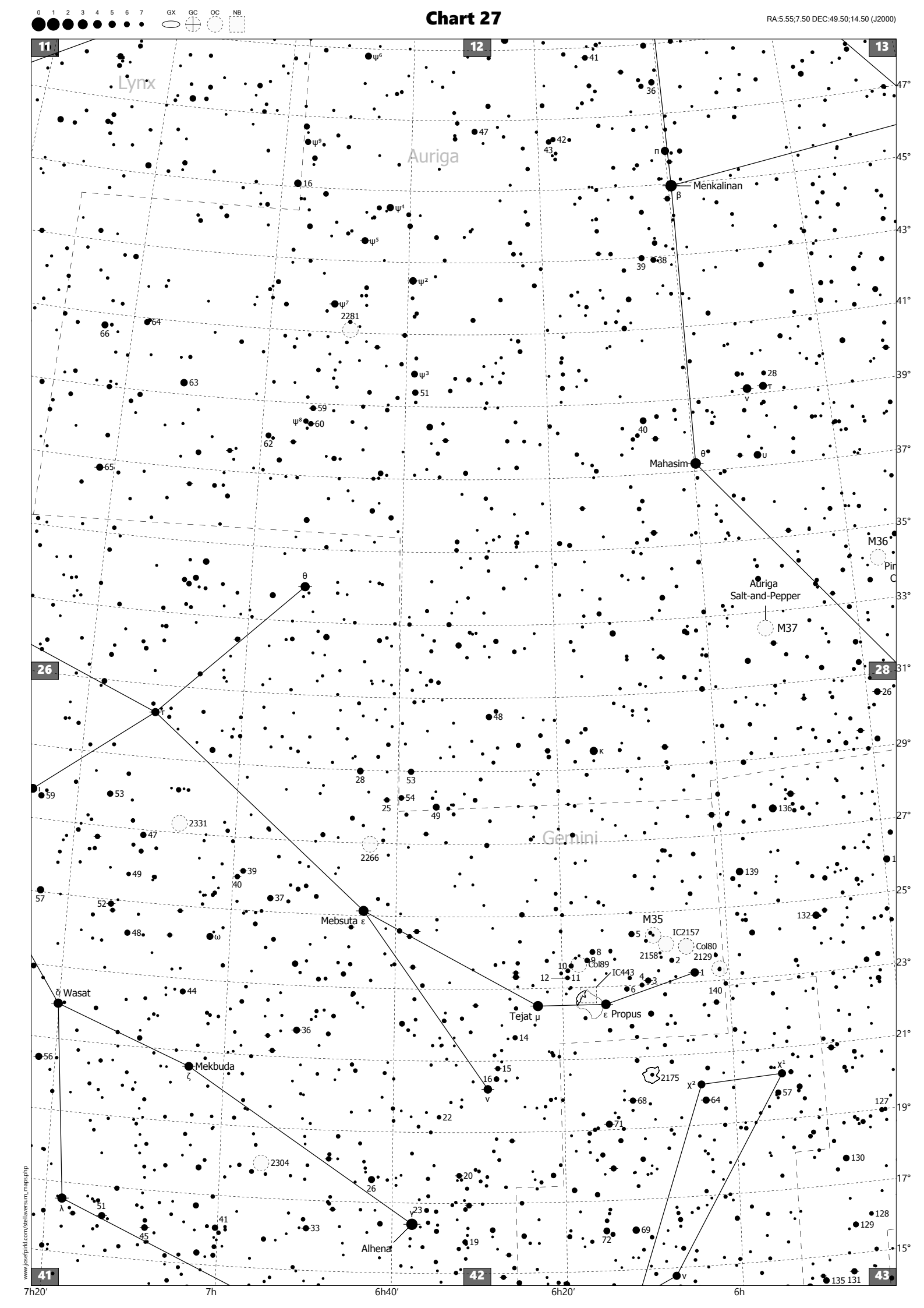
www.jsefpirkl.com/stellaversum_maps.php

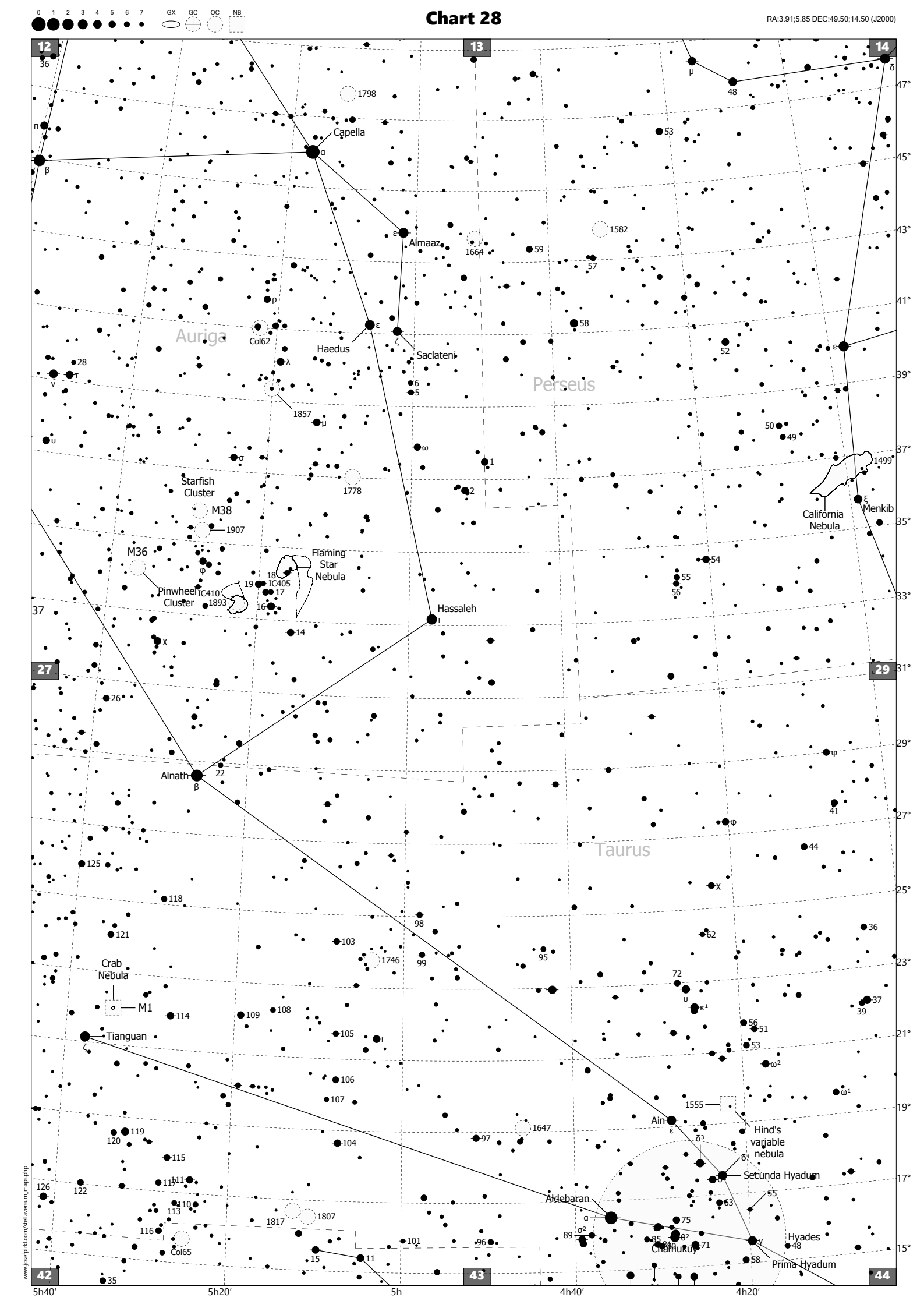
Chart 26

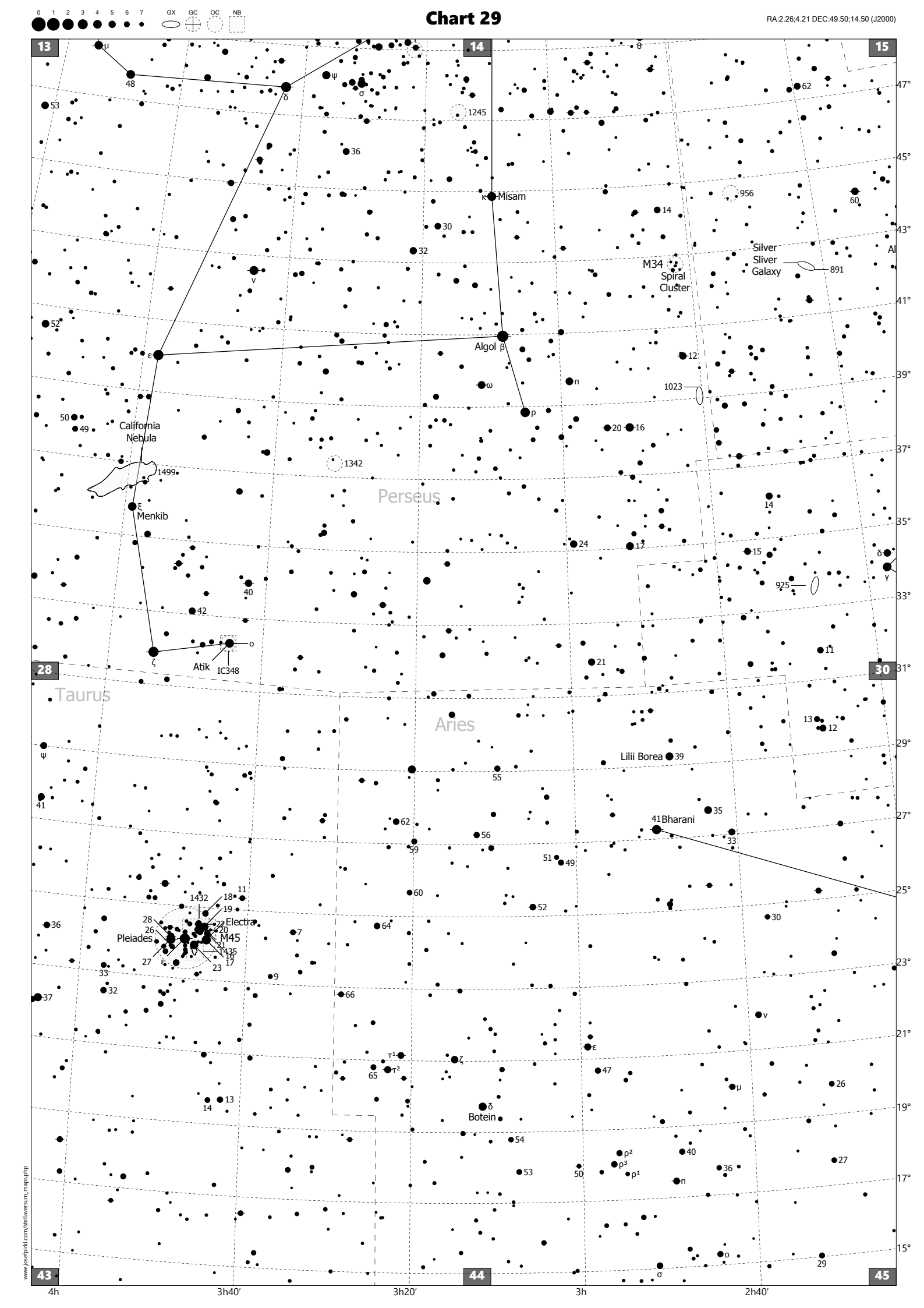
RA:7.20;9.15 DEC:49.50;14.50 (J2000)

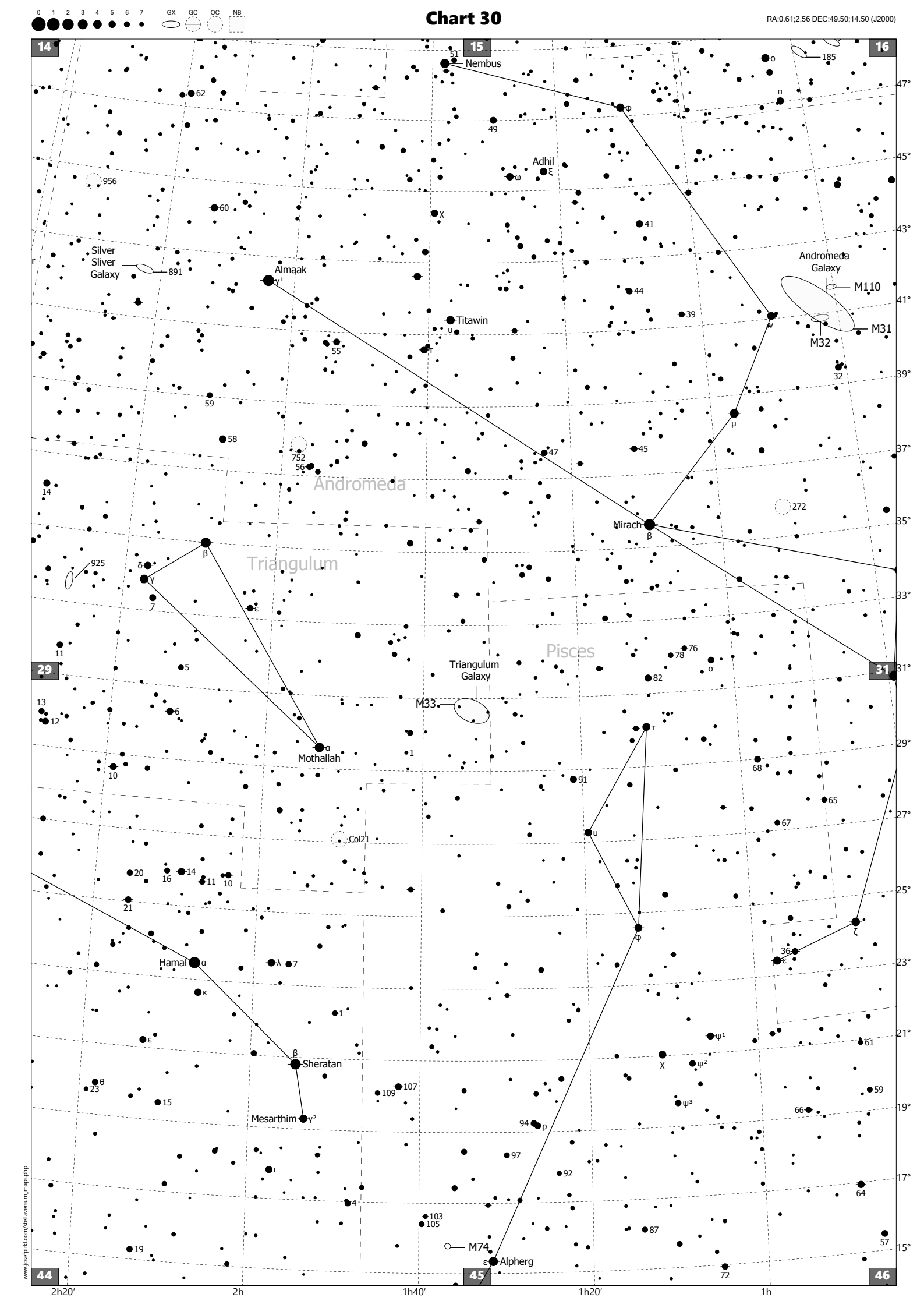


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Chart 27
RA:5.55;7.50 DEC:49.50;14.50 (J2000)
0 1 2 3 4 5 6 7
GX GC OC NB
11
12
13
Lynx
Auriga
Gemini
Menkalinan
Mahasim
M36
Auriga
Salt-and-Pepper
M37
M35
IC2157
Col80
2129
2158
Col89
IC443
Mebsuta ε
Tejat μ
ε Propus
δ Wasat
Mekbuda
ζ
Alhena
γ
2175
2281
2331
2266
2304
26
28
41
42
43
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
7h20′
7h
6h40′
6h20′
6h
www.josefpirkl.com/stellaversum_maps.php


Chart 28
RA:3.91;5.85 DEC:49.50;14.50 (J2000)
0 1 2 3 4 5 6 7 GX GC OC NB
12
13
14
27
29
42
43
44
Capella
Almaaz
Haedus
Saclateni
Auriga
Perseus
Taurus
Col62
Starfish Cluster
M38
M36
Pinwheel Cluster
Flaming Star Nebula
IC405
IC410
Hassaleh
Alnath
Crab Nebula
M1
Tianguan
Aldebaran
Ain
Hind's variable nebula
Secunda Hyadum
Prima Hyadum
Hyadum
Hyades
Col65
California Nebula
Menkib
1798
1664
1582
1857
1778
1907
1893
1746
1555
1647
1817
1807
5h40′
5h20′
5h
4h40′
4h20′
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
www.jsefipirkl.com/stellaversum_maps.php


Chart 29
RA:2.26;4.21 DEC:49.50;14.50 (J2000)
0 1 2 3 4 5 6 7 GX GC OC NB
13
14
15
28
30
43
44
45
Misam
Algol
California Nebula
Menkib
Atik
IC348
Perseus
Taurus
Aries
Pleiades
Electra
M45
Botein
Bharani
Lilii Borea
Silver Sliver Galaxy
M34 Spiral Cluster
1245
1342
1499
1023
956
891
925
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
4h
3h40′
3h20′
3h
2h40′
www.jsefpirkl.com/stellaversum_maps.php


Chart 30
RA:0.61;2.56 DEC:49.50;14.50 (J2000)
0 1 2 3 4 5 6 7 GX GC OC NB
14
15
16
29
31
44
45
46
Nembus
Adhil
Almaak
Titawin
Silver Sliver Galaxy
Andromeda Galaxy
M110
M31
M32
Andromeda
Mirach
Triangulum
Triangulum Galaxy
M33
Mothallah
Pisces
Col21
Hamal
Sheratan
Mesarthim
M74
Alpherg
2h20′
2h
1h40′
1h20′
1h
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
www.josefpirkl.com/stellaversum_maps.php