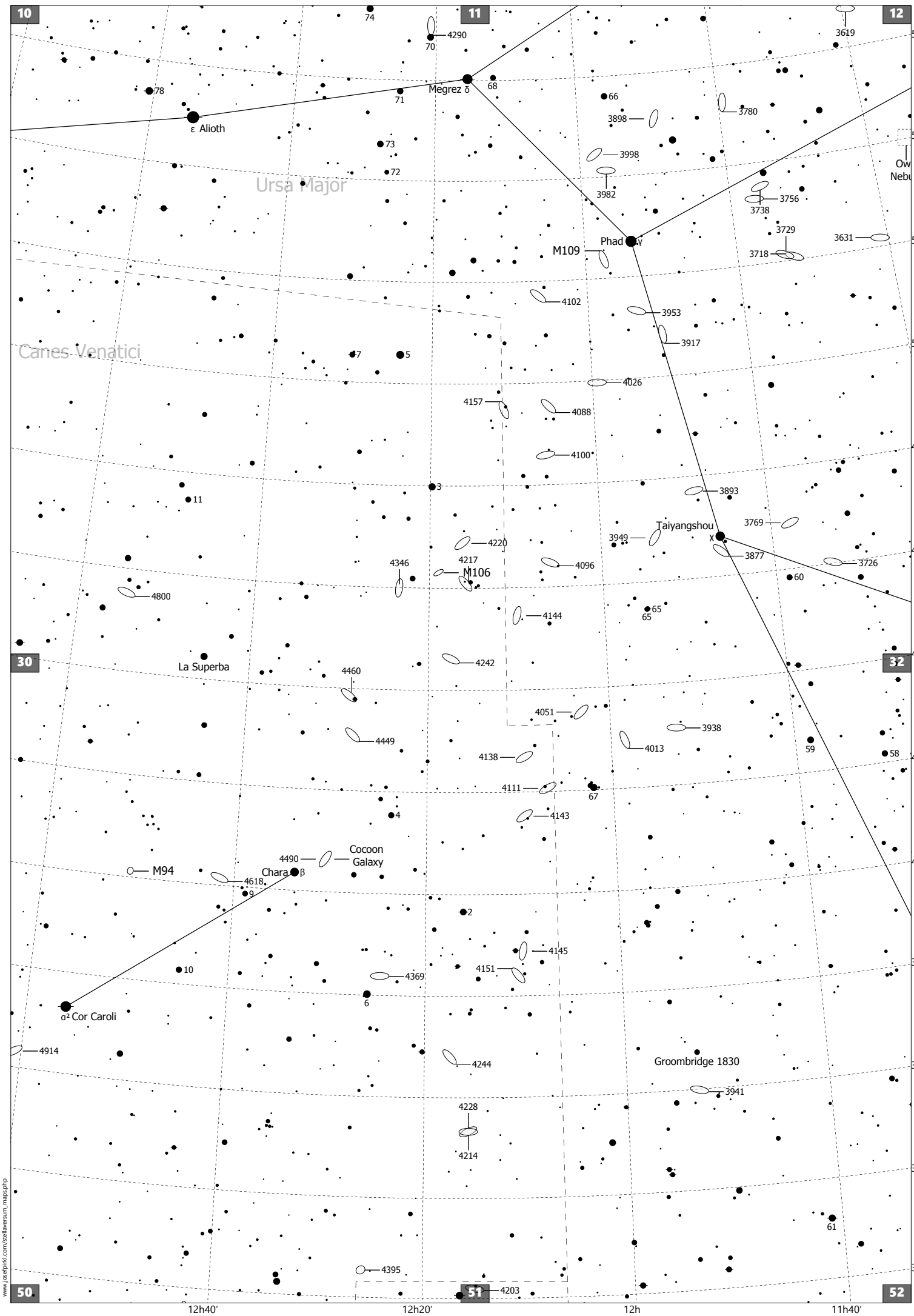
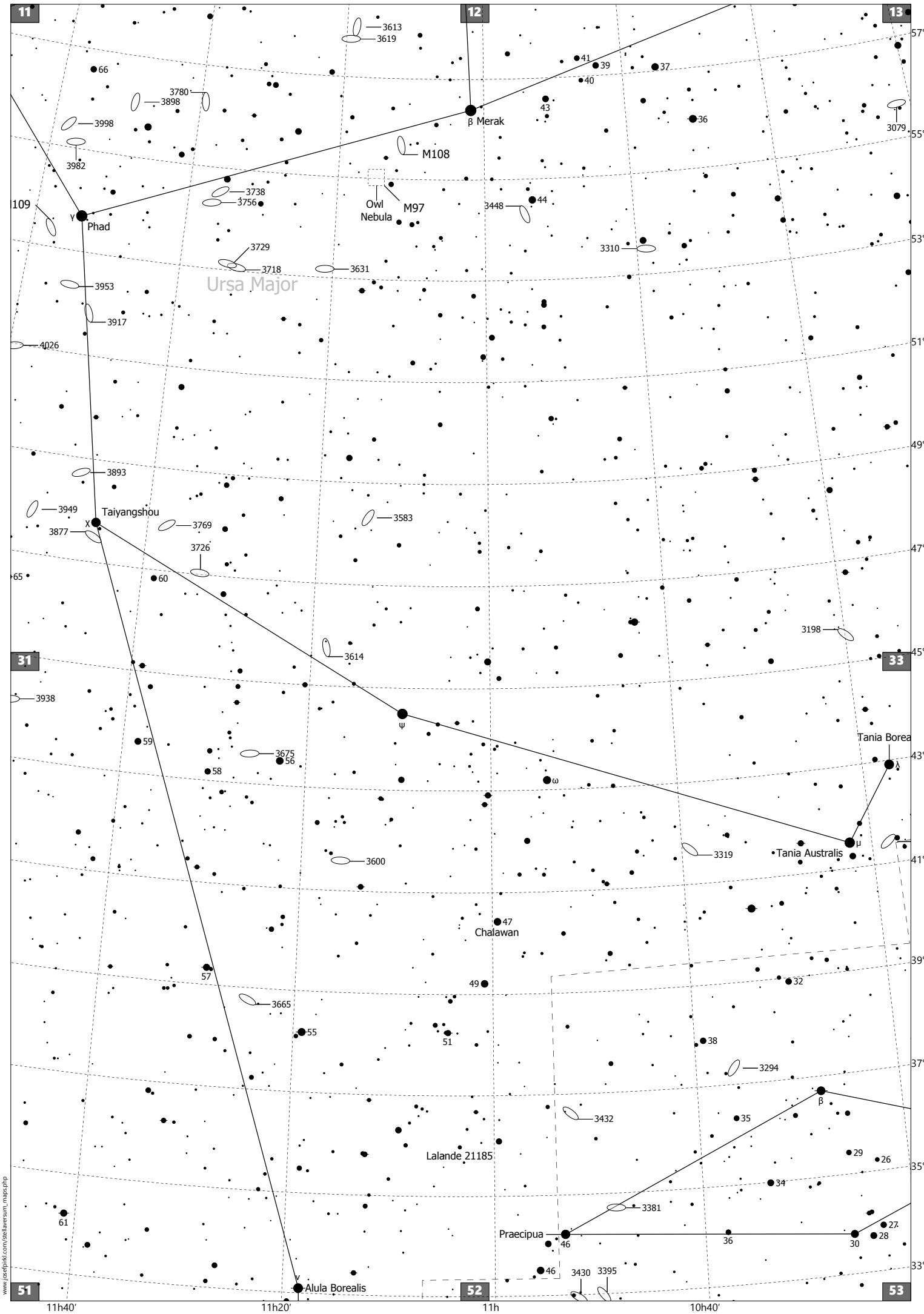
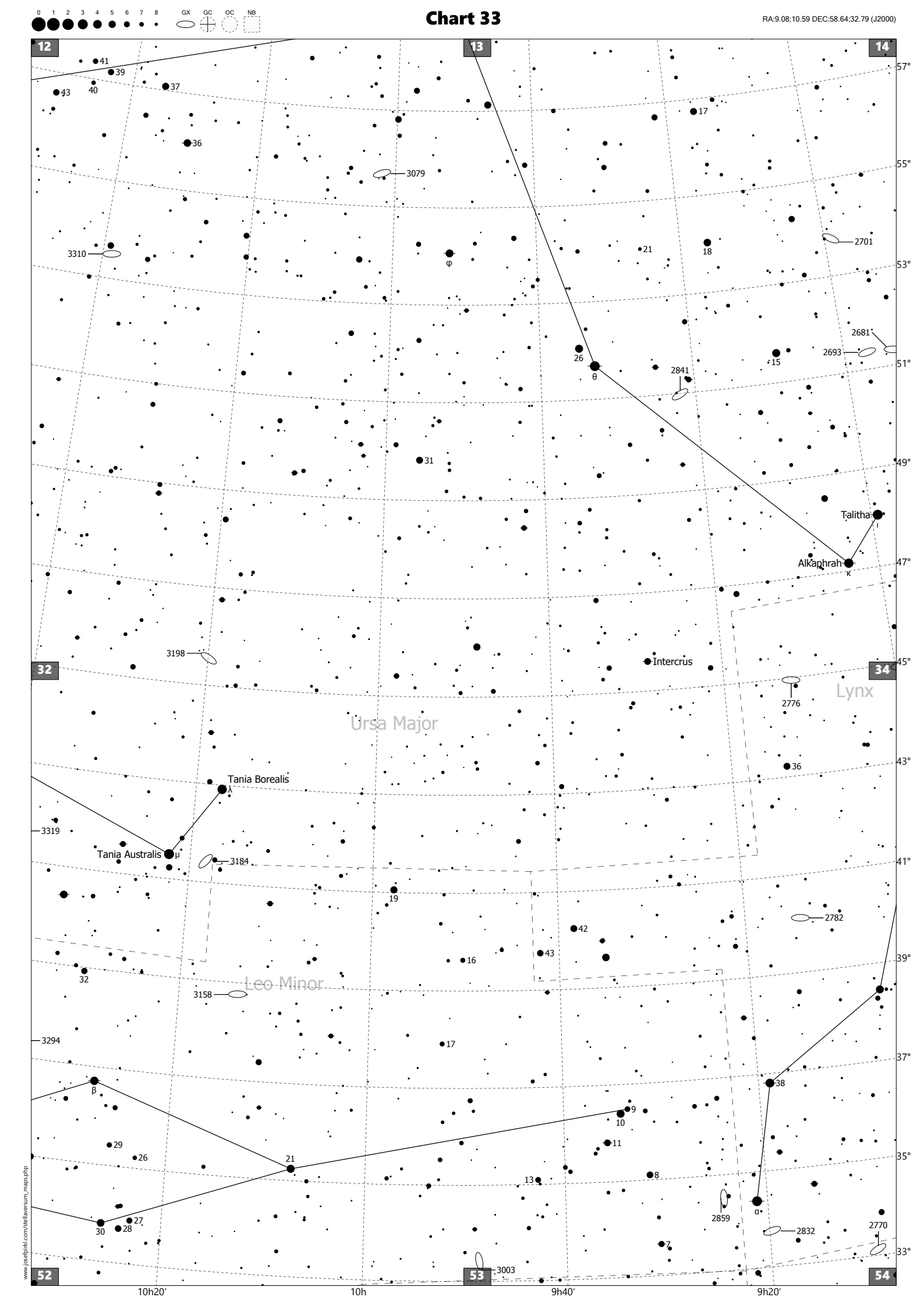

Chart 31
RA:11.51;13.03 DEC:58.64;32.79 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
10
11
12
30
32
50
51
52
57°
55°
53°
51°
49°
47°
45°
43°
41°
39°
37°
35°
33°
Megrez δ
ε Alioth
Phad γ
Taiyangshou χ
Ursa Major
Canes Venatici
La Superba
M109
M106
M94
Cocoon Galaxy
Chara β
α² Cor Caroli
Groombridge 1830
12h40′
12h20′
12h
11h40′
www.josefpirkl.com/stellaversum_maps.php

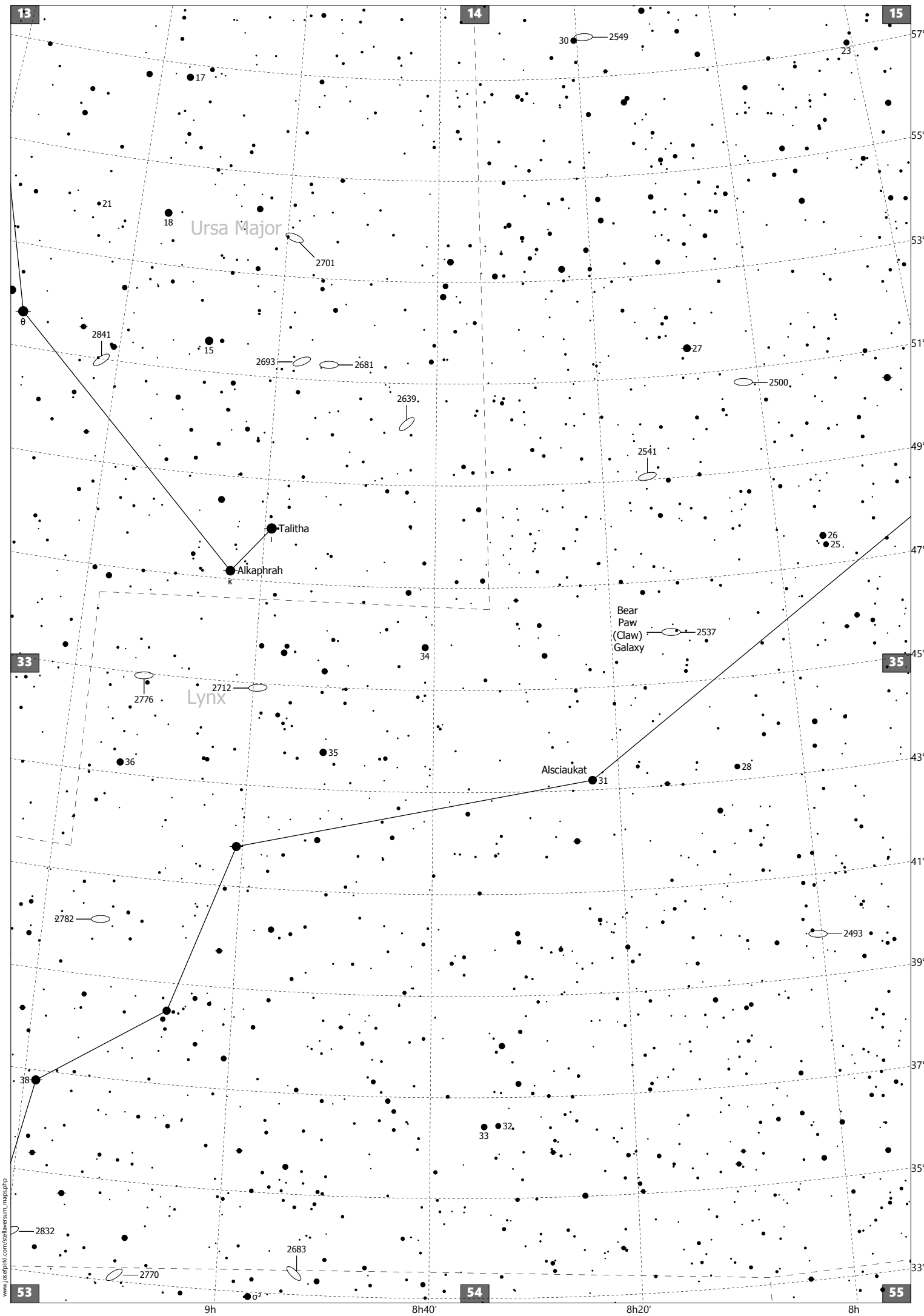
Chart 32

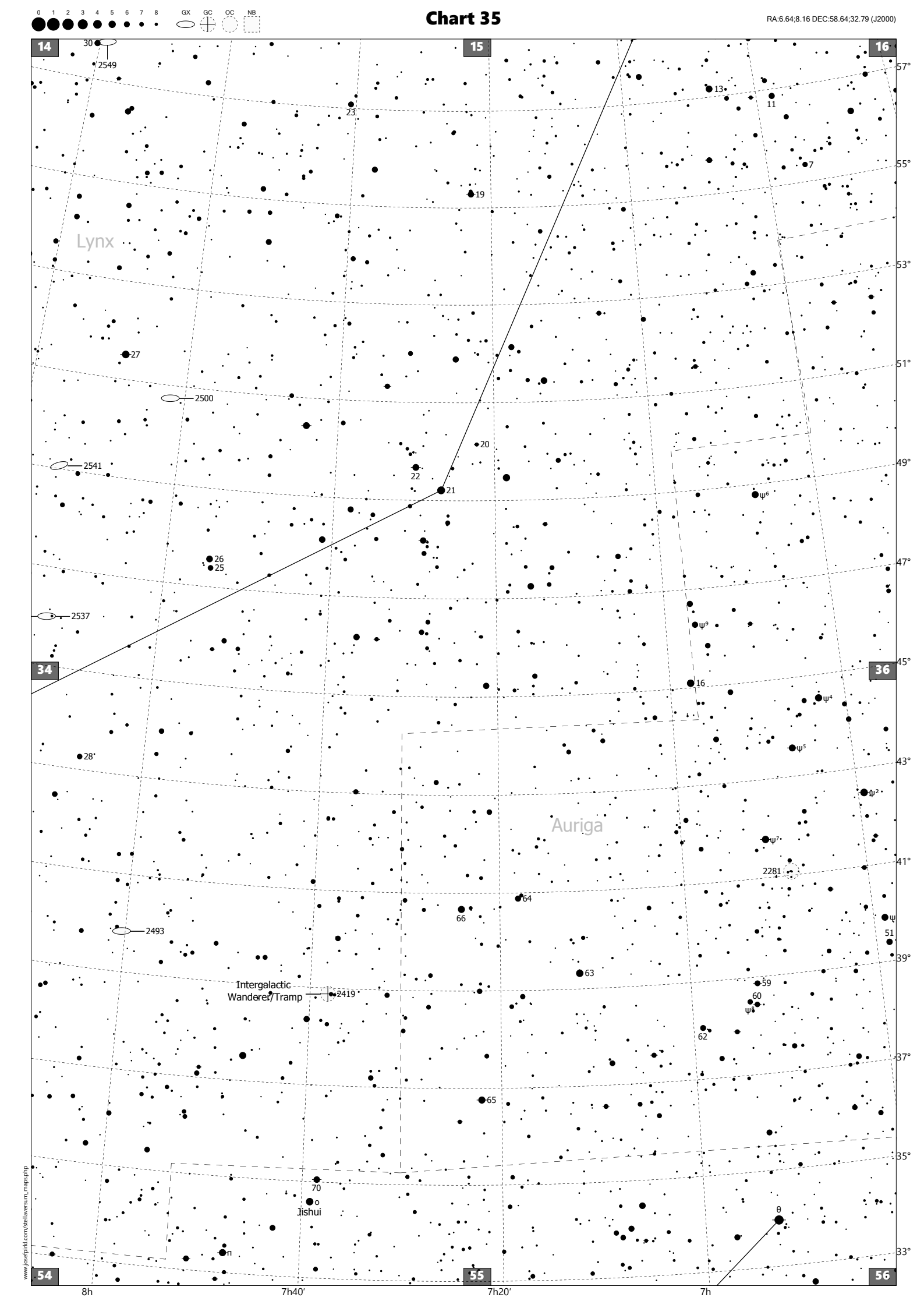
RA:10.29;11.81 DEC:58.64;32.79 (J2000)



www.jsefpirkl.com/stellaversum_maps.php


Chart 33
RA:9.08;10.59 DEC:58.64;32.79 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
12
13
14
32
34
52
53
54
57°
55°
53°
51°
49°
47°
45°
43°
41°
39°
37°
35°
33°
Ursa Major
Lynx
Leo Minor
Tania Borealis
λ
Tania Australis
μ
Intercrus
Talitha
ι
Alkaphrah
κ
β
φ
θ
3079
3310
3198
3319
3184
3158
3294
3003
2701
2681
2693
2841
2776
2782
2859
2832
2770
www.jsefpirkl.com/stellaversum_maps.php
10h20′
10h
9h40′
9h20′


Chart 34
RA:7.86;9.38 DEC:58.64;32.79 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
13
14
15
33
35
53
54
55
57°
55°
53°
51°
49°
47°
45°
43°
41°
39°
37°
35°
33°
9h
8h40'
8h20'
8h
Ursa Major
Lynx
Talitha
Alkaphrah
κ
θ
Alsciaukat
Bear Paw (Claw) Galaxy
2549
2701
2841
2693
2681
2639
2500
2541
2537
2712
2776
2782
2493
2832
2683
2770
σ²
17
18
21
15
27
26
25
34
36
35
28
31
38
33
32
23
30
www.josefpirkl.com/stellaversum_maps.php


Chart 35
RA:6.64;8.16 DEC:58.64;32.79 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
14
15
16
34
36
54
55
56
Lynx
Auriga
Intergalactic
Wanderer/Tramp
Jishui
2549
2500
2541
2537
2493
2419
2281
57°
55°
53°
51°
49°
47°
45°
43°
41°
39°
37°
35°
33°
8h
7h40'
7h20'
7h
www.jsefpirkl.com/stellaversum_maps.php

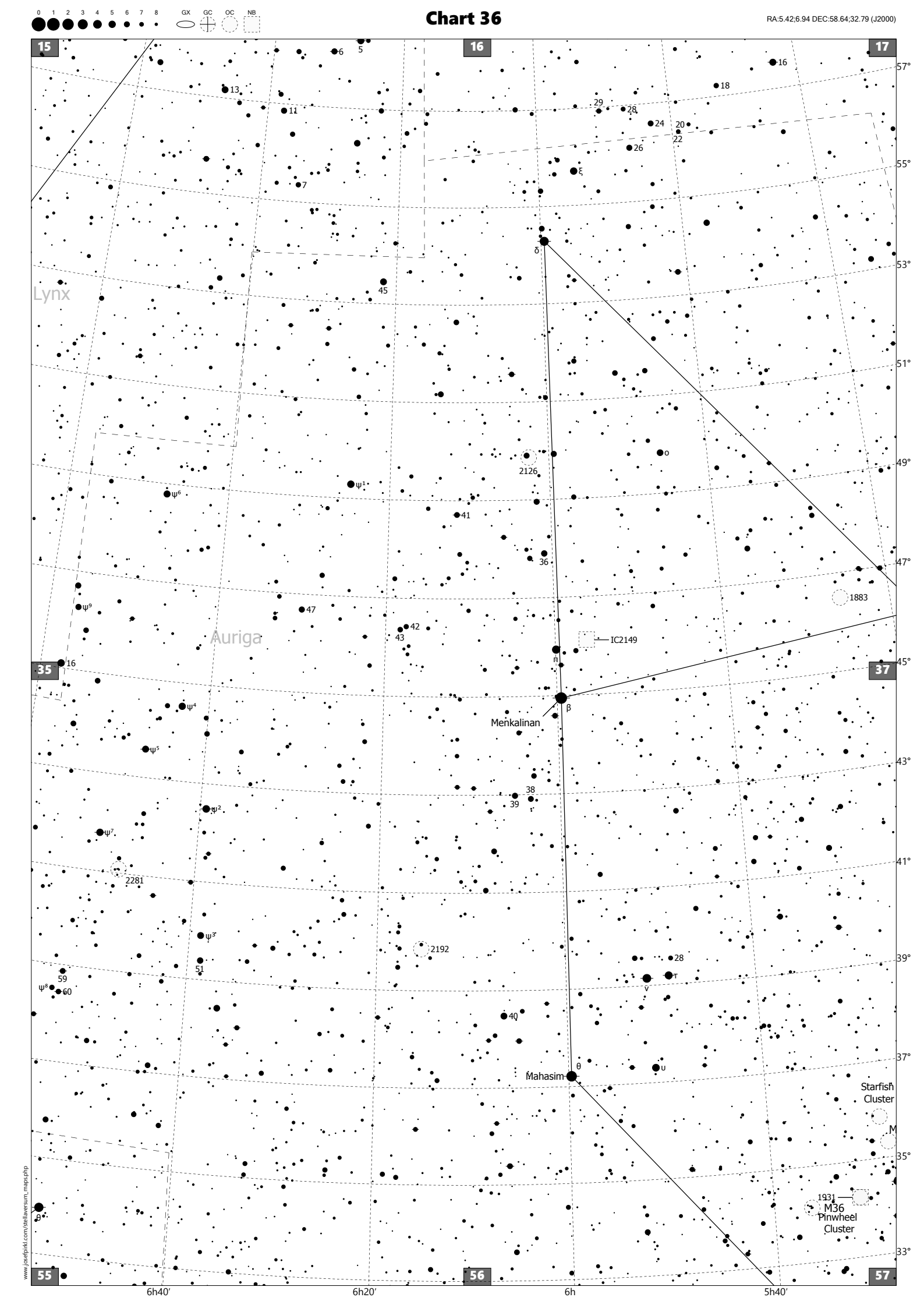
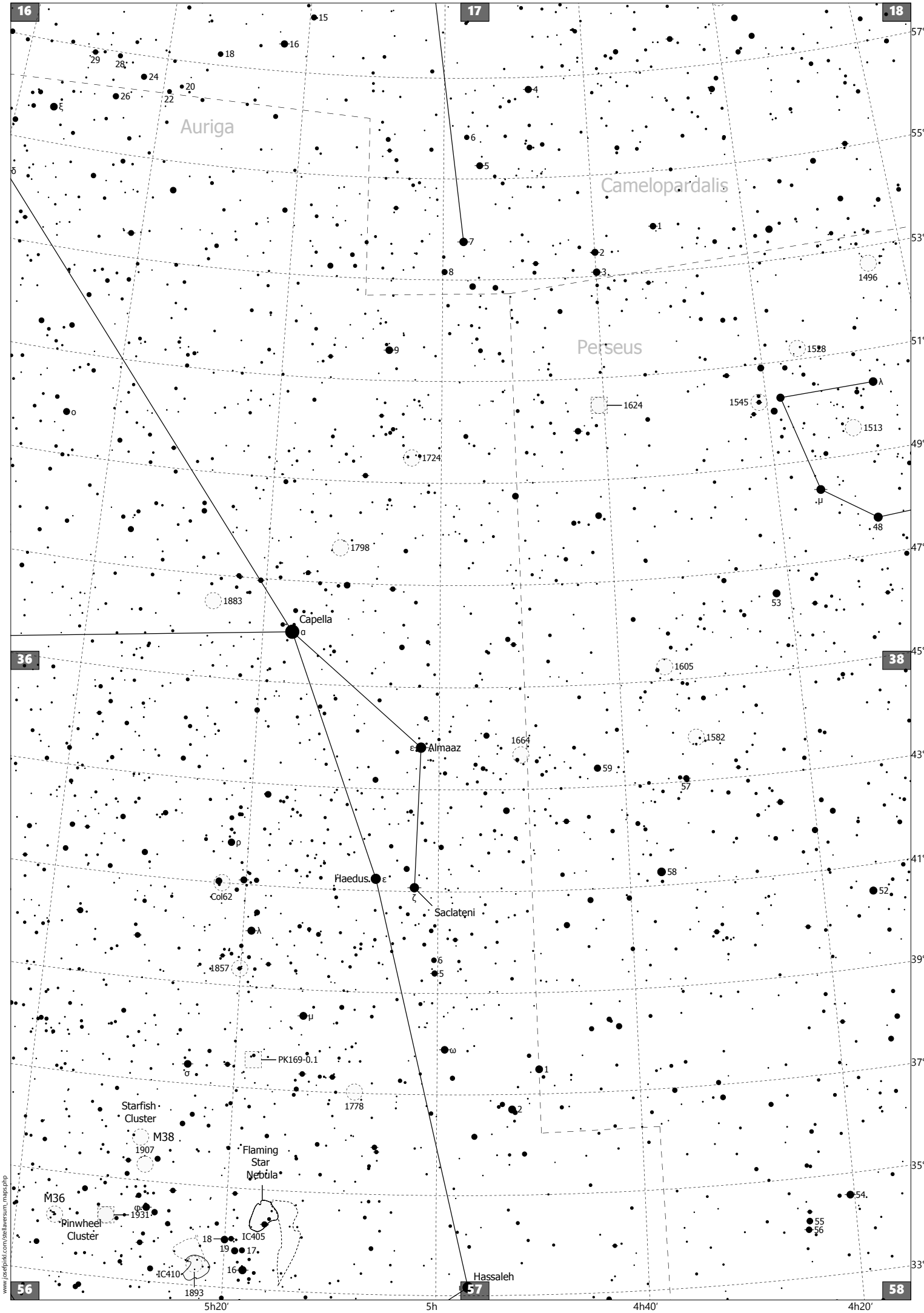

Chart 36
RA:5.42;6.94 DEC:58.64;32.79 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
15
16
17
35
37
55
56
57
57°
55°
53°
51°
49°
47°
45°
43°
41°
39°
37°
35°
33°
6h40′
6h20′
6h
5h40′
Lynx
Auriga
Menkalinan
Mahasim
IC2149
2126
2281
2192
1883
1931
M36
Pinwheel
Cluster
Starfish
Cluster
www.jsfelpinkl.com/stellaversum_maps.php

Chart 37

RA:4.20;5.72 DEC:58.64;32.79 (J2000)



www.josefpirkl.com/stellaversum_maps.php

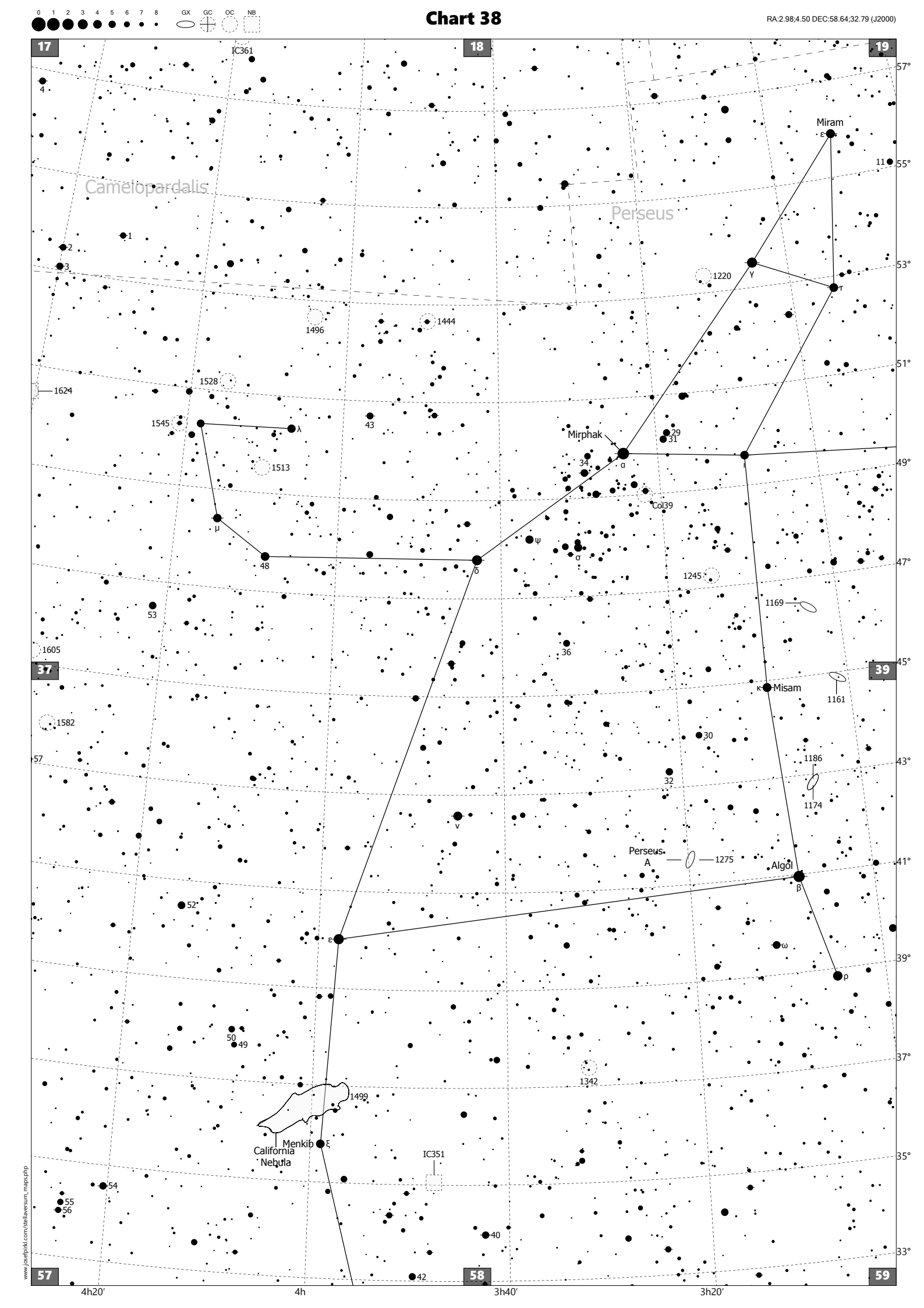
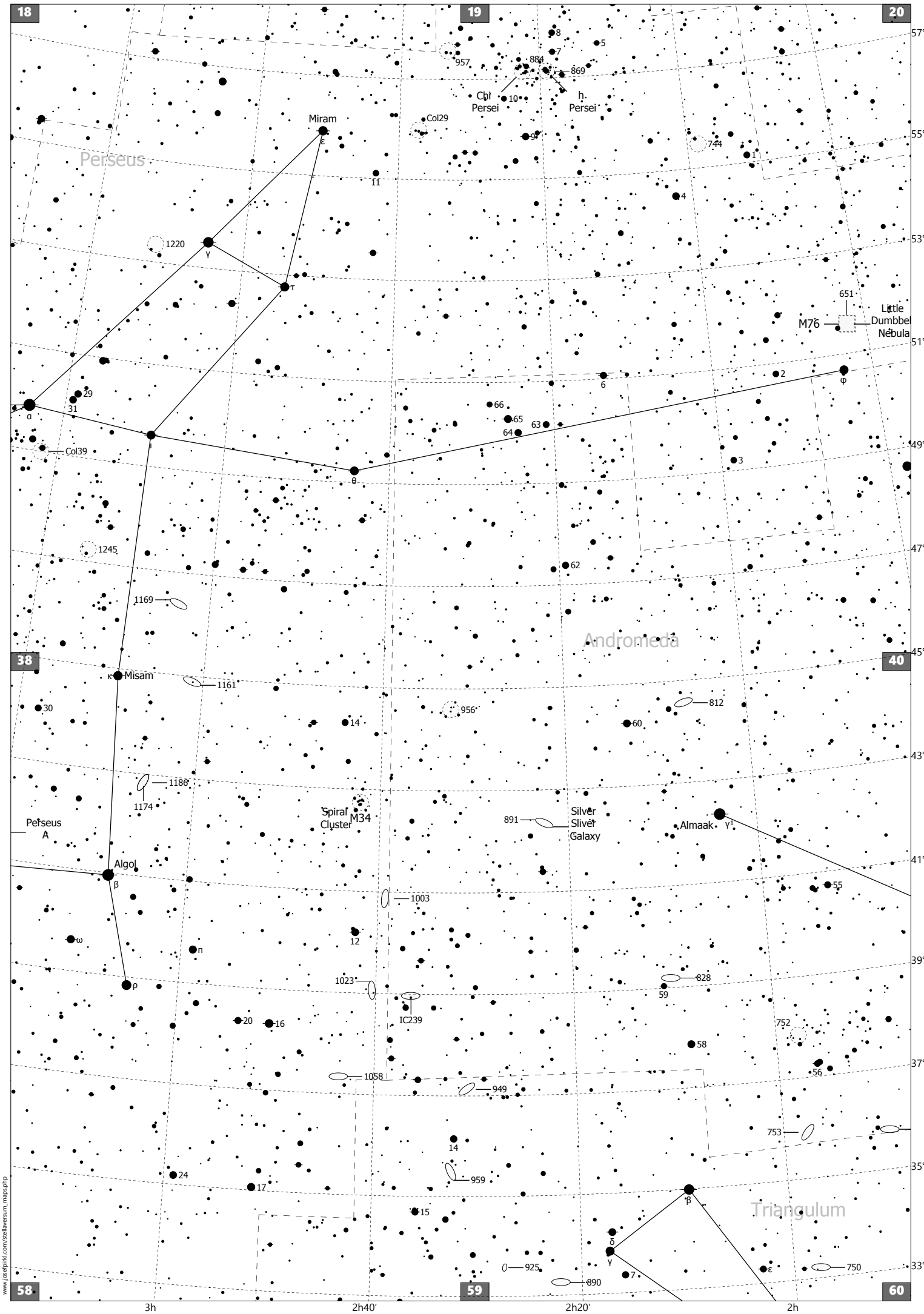

Chart 38
RA:2.98;4.50 DEC:58.64;32.79 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
17
18
19
37
39
57
58
59
Camelopardalis
Perseus
IC361
IC351
Miram
Mirphak
Misam
Algol
Perseus A
California Nebula
Menkib
Col 39
1220
1496
1444
1528
1624
1545
1513
1605
1582
1245
1169
1161
1186
1174
1275
1499
1342
4h20′
4h
3h40′
3h20′
57°
55°
53°
51°
49°
47°
45°
43°
41°
39°
37°
35°
33°
www.josefpirkl.com/stellaversum_maps.php

Chart 39

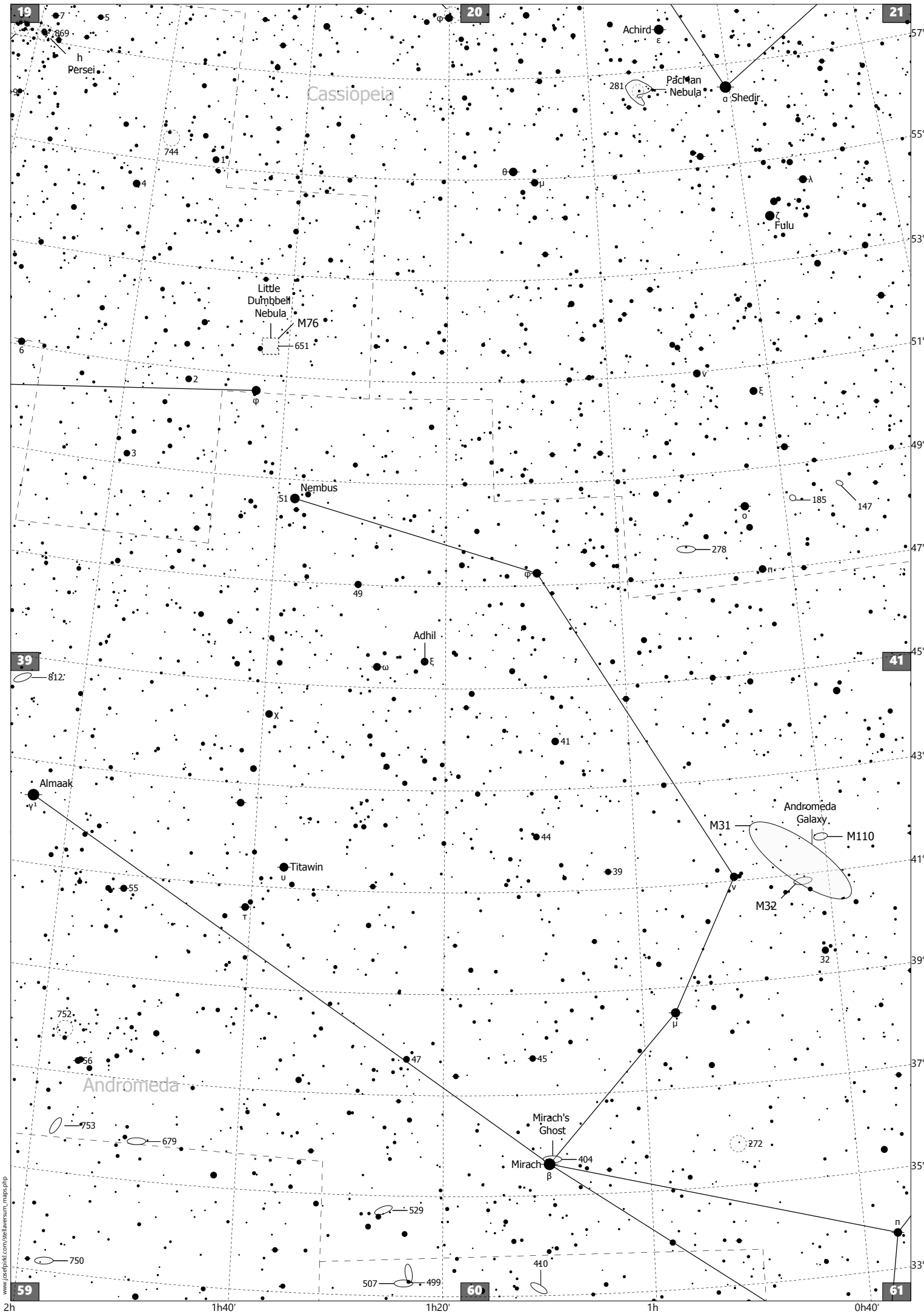
RA:1.76;3.28 DEC:58.64;32.79 (J2000)



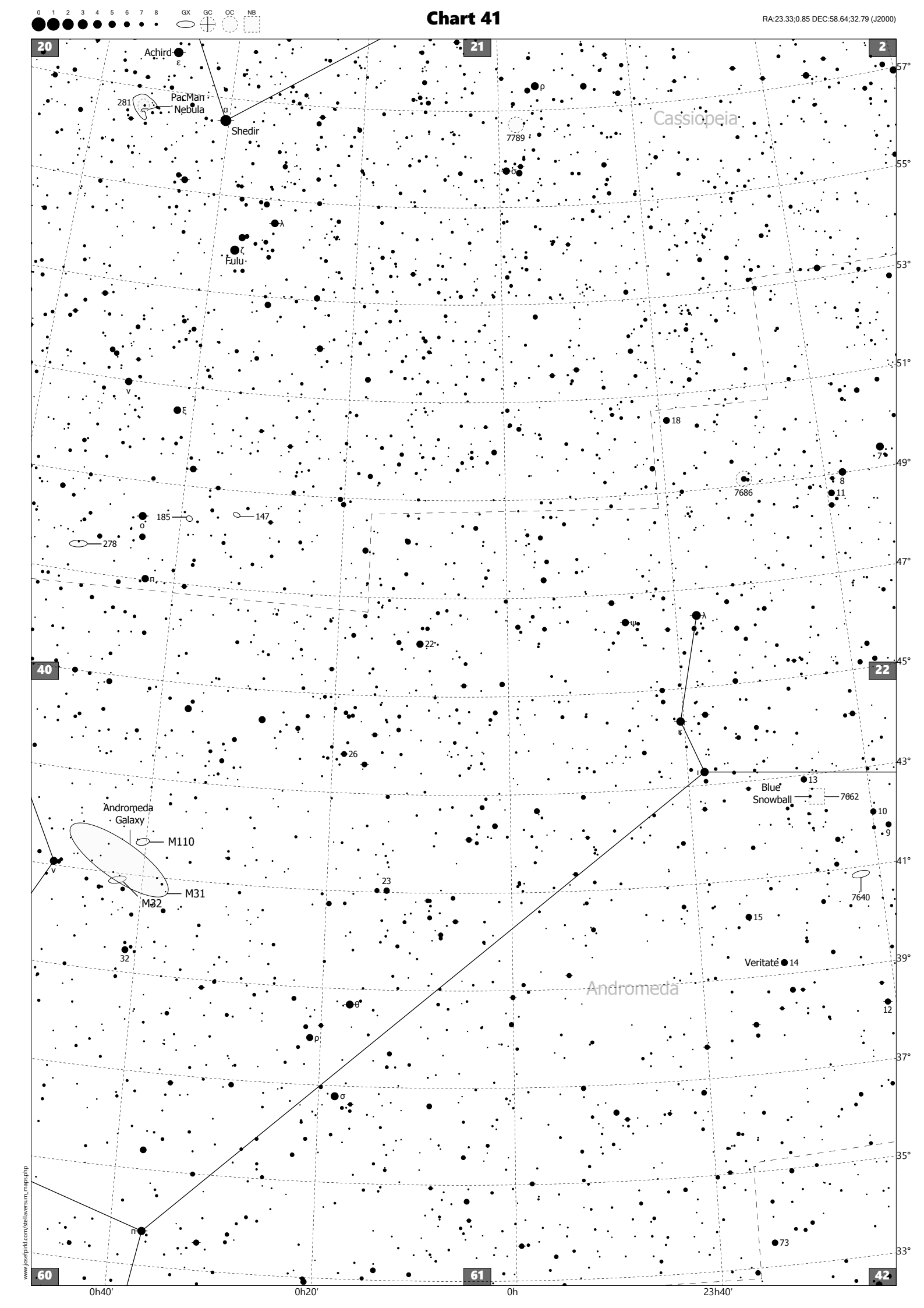
www.josefpirkl.com/stellaversum_maps.php

Chart 40

RA:0.55;2.06 DEC:58.64;32.79 (J2000)



www.josefpirkl.com/stellaversum_maps.php


Chart 41
RA:23.33;0.85 DEC:58.64;32.79 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
20
21
2
40
22
60
61
42
Achird
ε
PacMan
Nebula
281
α
Shedir
ρ
7789
Cassiopeia
λ
ζ
Fulu
ν
ξ
18
7
8
7686
11
185
147
o
278
π
ψ
λ
22
ε
26
ι
13
Blue
Snowball
7662
10
9
Andromeda
Galaxy
M110
M31
M32
ν
23
7640
15
32
Veritate
14
Andromeda
θ
12
ρ
σ
73
57°
55°
53°
51°
49°
47°
45°
43°
41°
39°
37°
35°
33°
0h40'
0h20'
0h
23h40'
www.jsefpirkl.com/stellaversum_maps.php

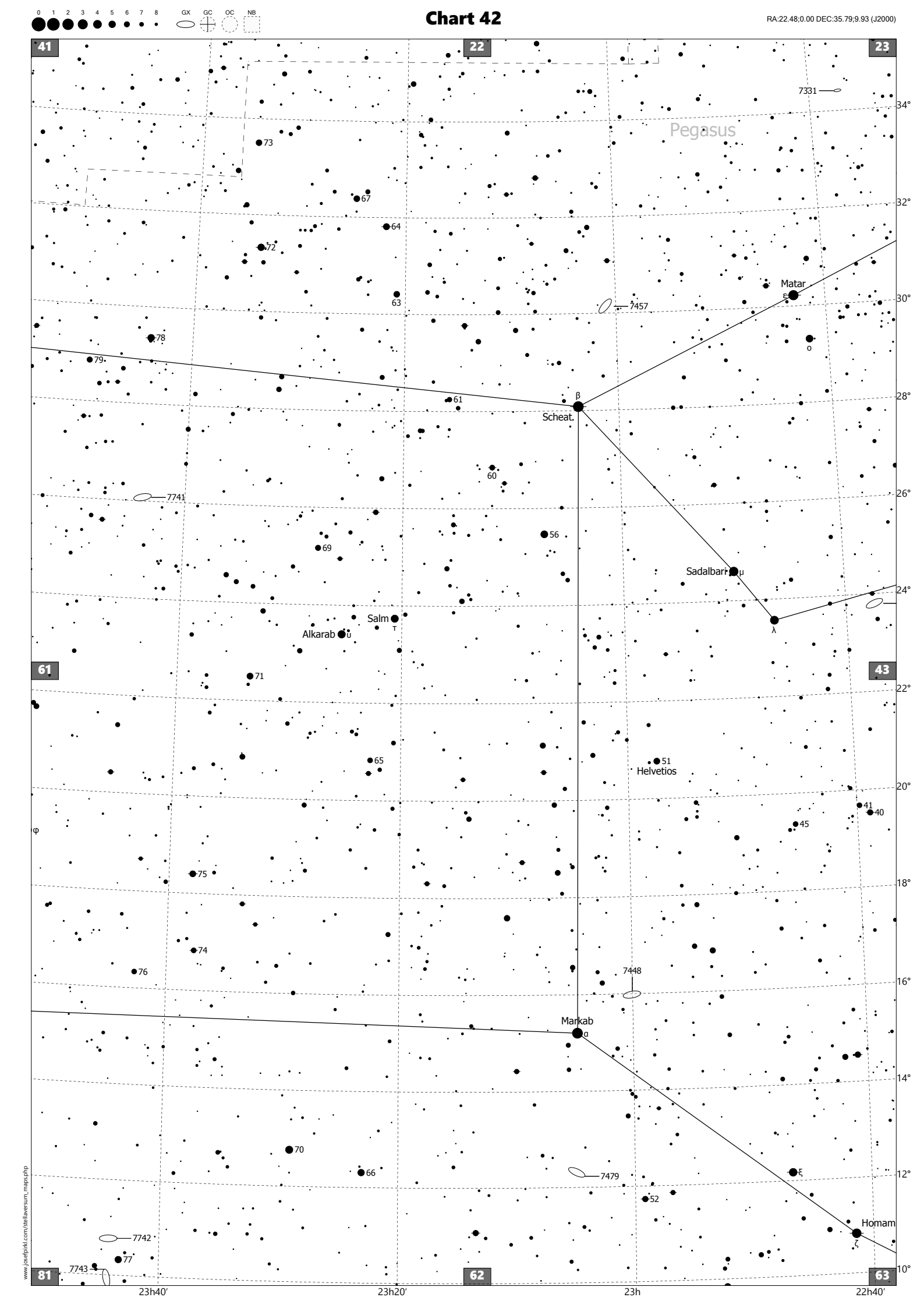
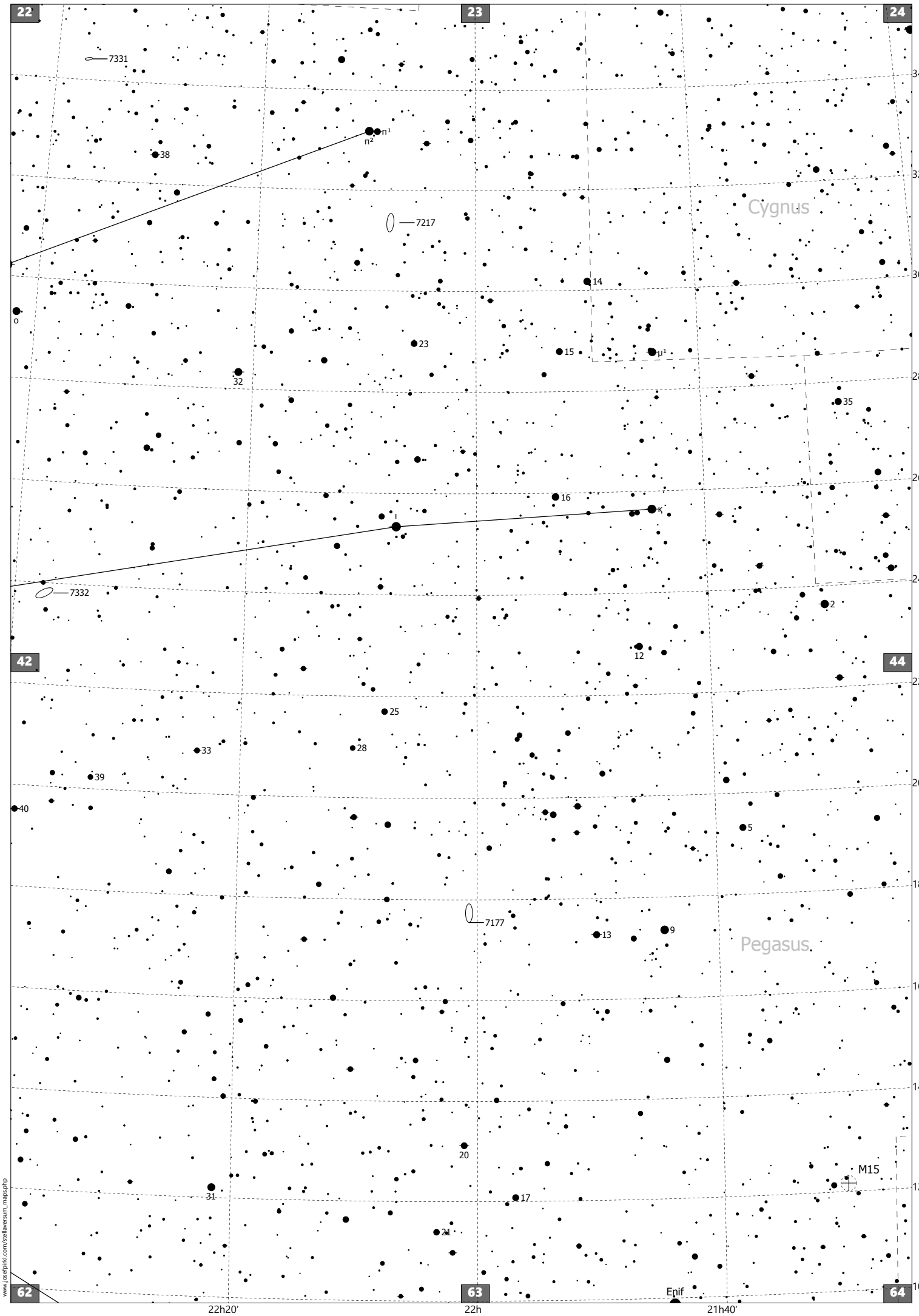

Chart 42
RA:22.48;0.00 DEC:35.79;9.93 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
41
22
23
61
43
81
62
63
Pegasus
Scheat.
Markab
Matar
Sadalbarri
Salm
Alkarab
Helvetios
Homam
7331
7457
7741
7448
7479
7742
7743
34°
32°
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
23h40'
23h20'
23h
22h40'
www.josefpirkl.com/stellaversum_maps.php

Chart 43

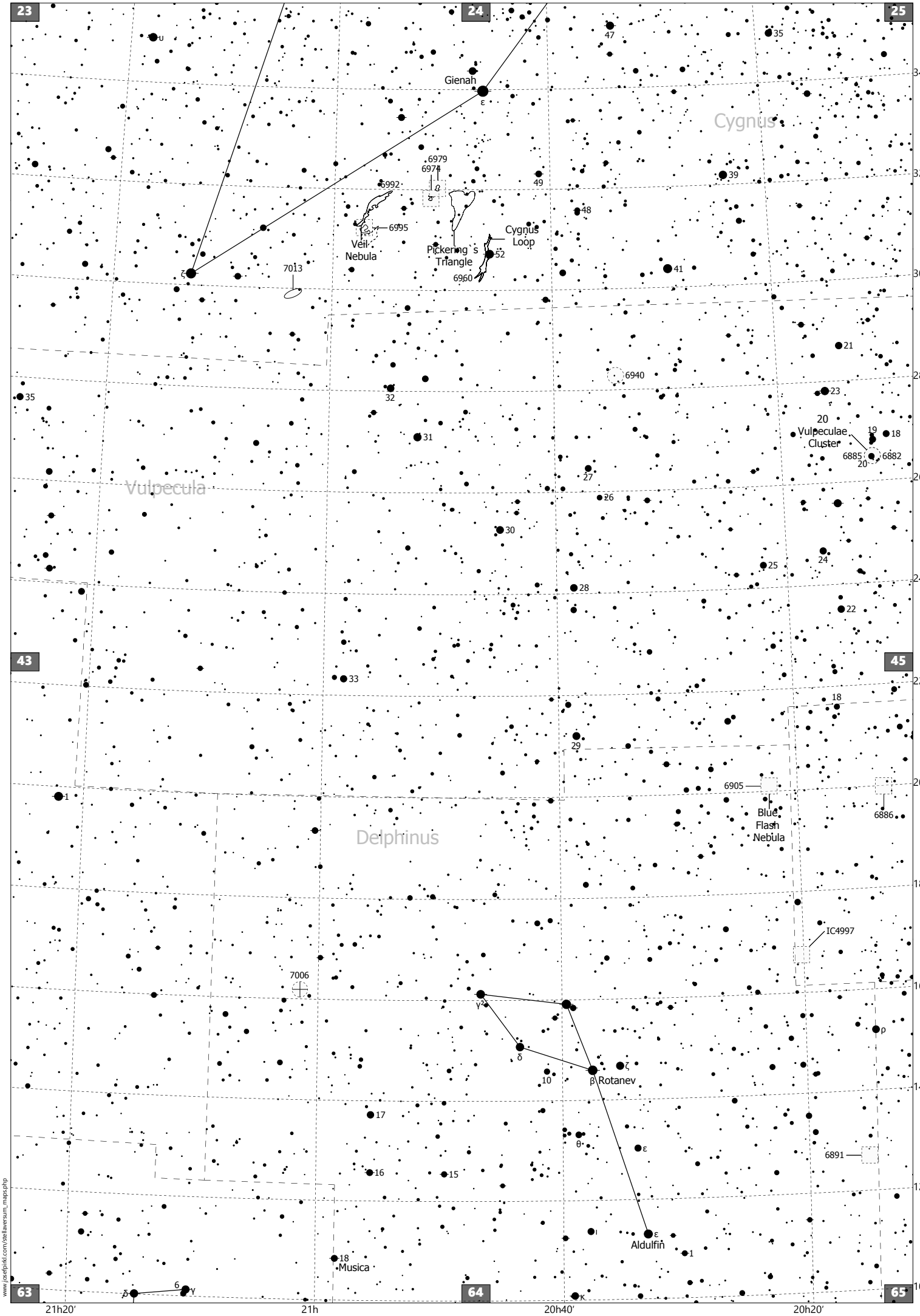
RA:21.26;22.78 DEC:35.79;9.93 (J2000)



www.jsefipirkl.com/stellaversum_maps.php

Chart 44

RA:20.04;21.56 DEC:35.79;9.93 (J2000)



www.josefpirkl.com/stellaversum_maps.php

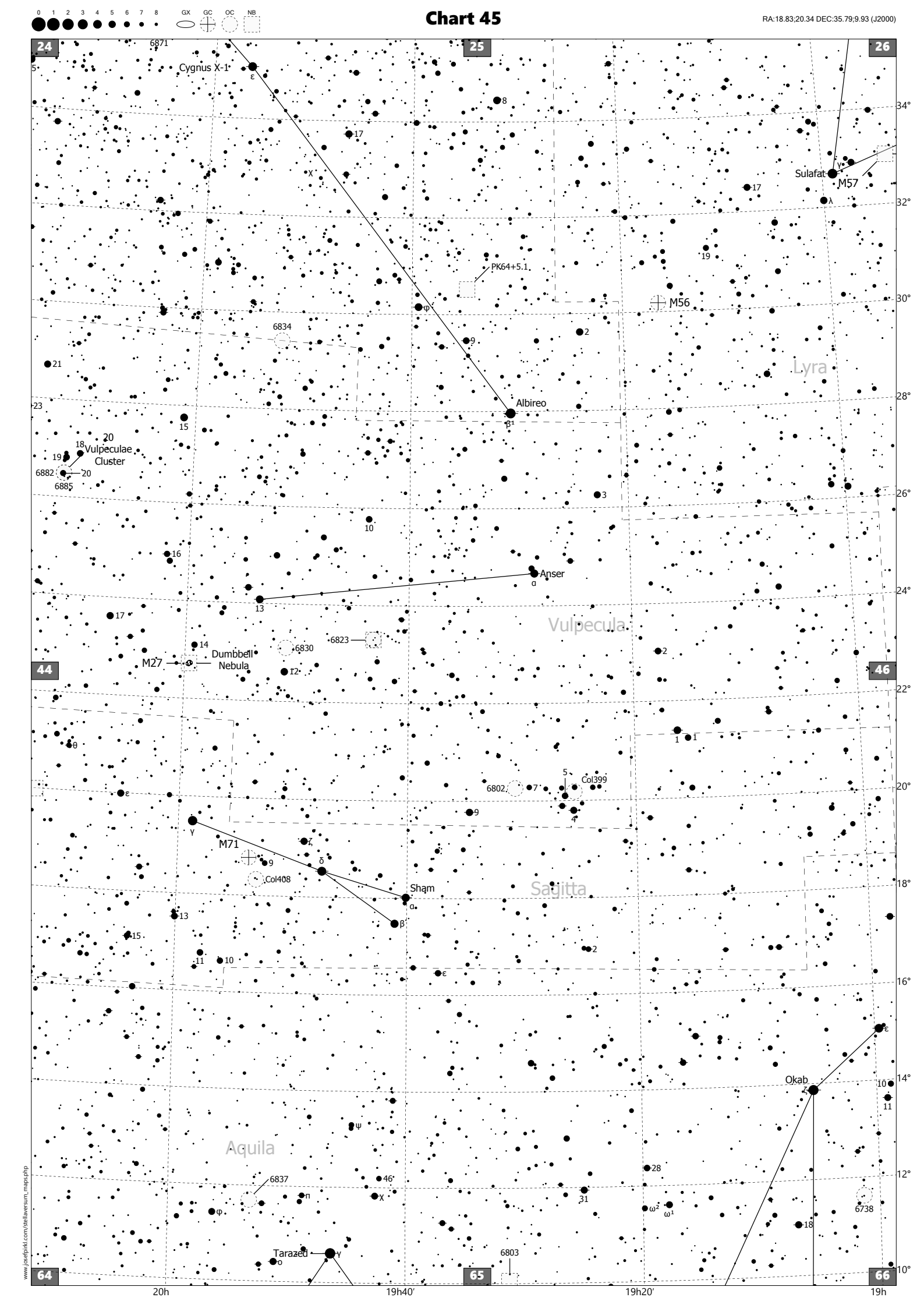
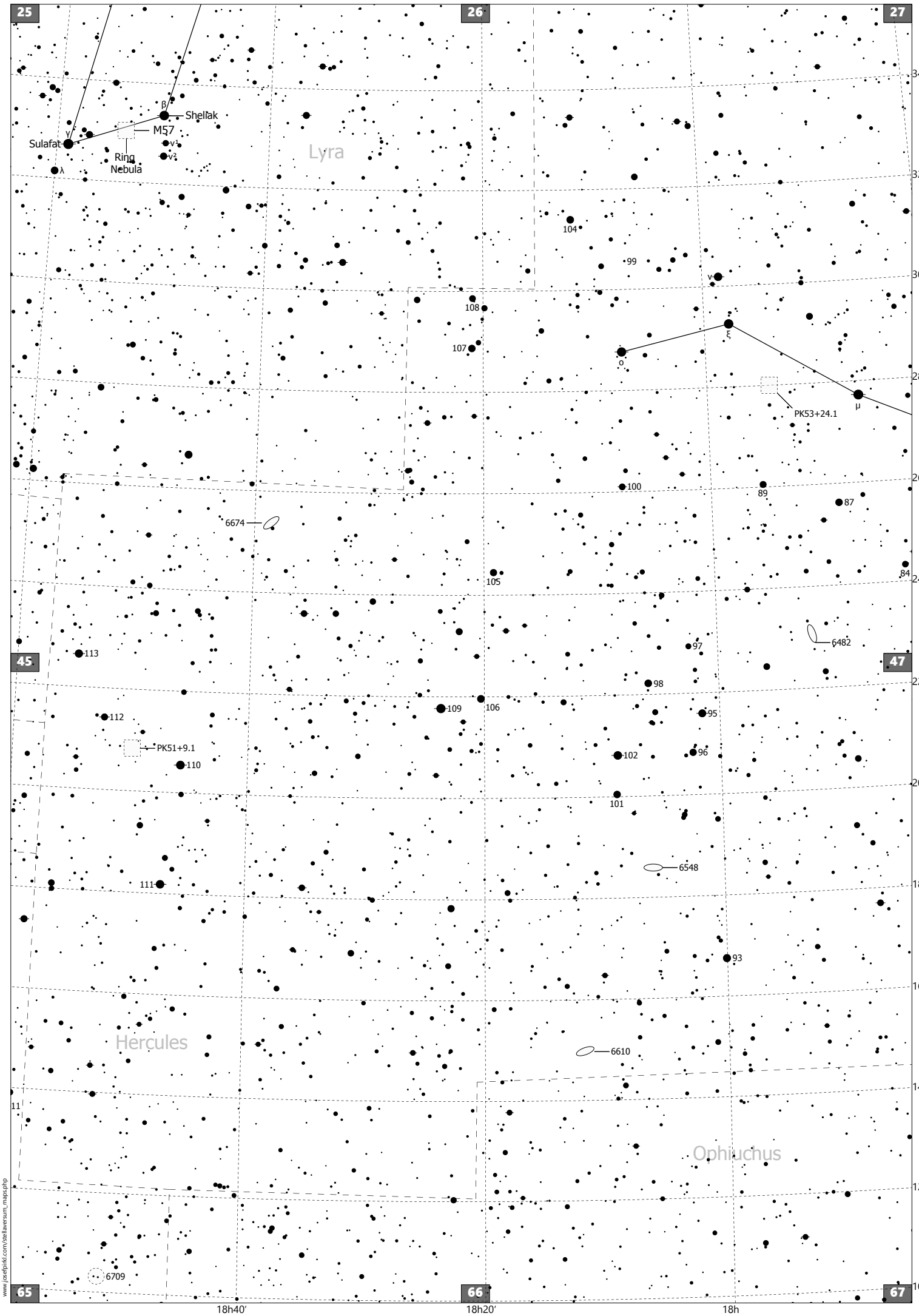

Chart 45
RA:18.83;20.34 DEC:35.79;9.93 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
24
25
26
44
46
64
65
66
Cygnus X-1
Sulafat
M57
PK64+5.1
M56
Albireo
Lyra
Vulpeculae Cluster
Anser
Vulpecula
M27
Dumbbell Nebula
M71
Col399
Col408
Shaṃ
Sagitta
Okab
Aquila
Tarazed
6871
6834
6882
6885
6823
6830
6802
6837
6803
6738
34°
32°
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
20h
19h40′
19h20′
19h
www.jsdeprkl.com/stellaversum_maps.php

Chart 46

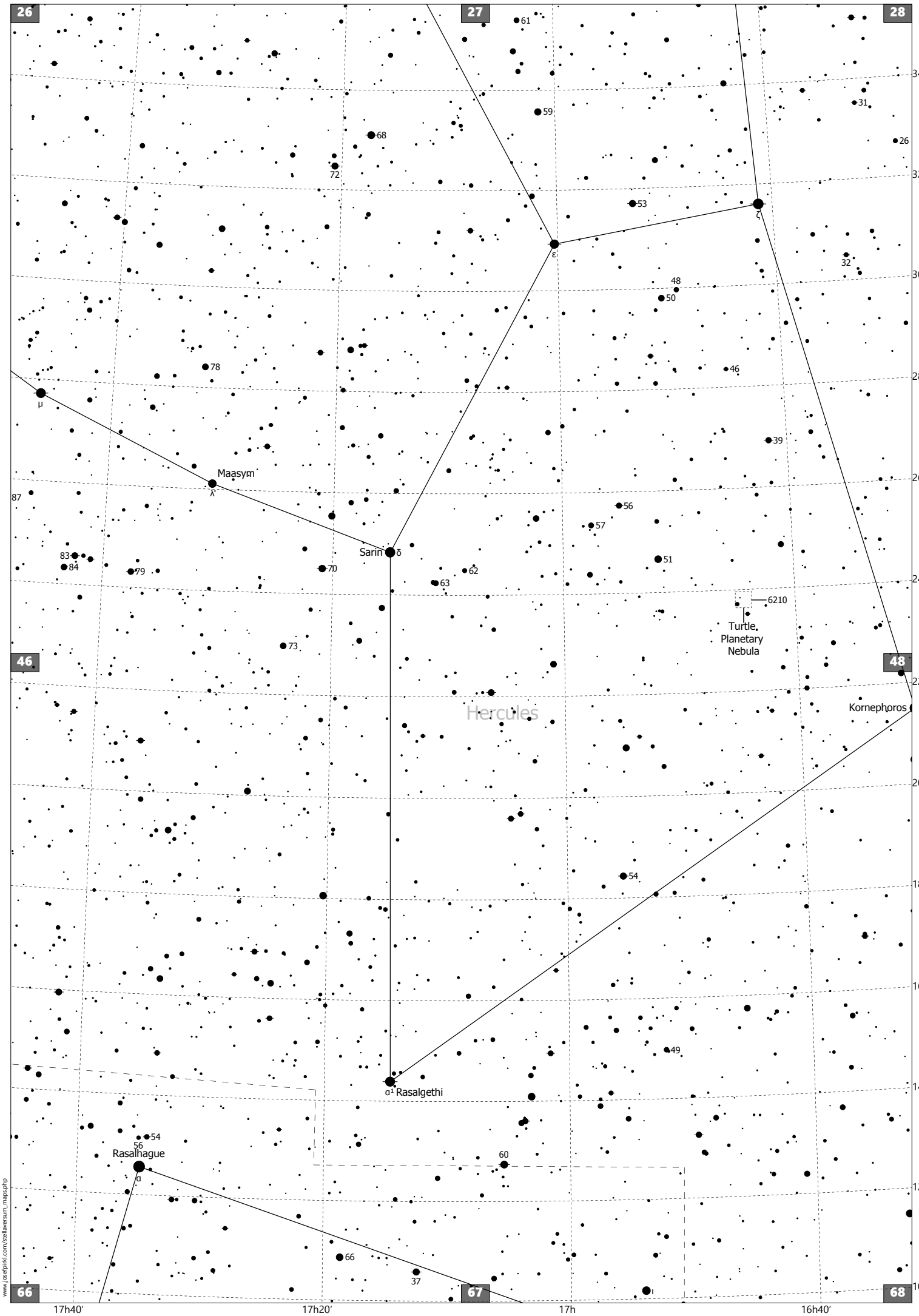
RA:17.61;19.13 DEC:35.79;9.93 (J2000)



www.josefpirkl.com/stellaversum_maps.php

Chart 47

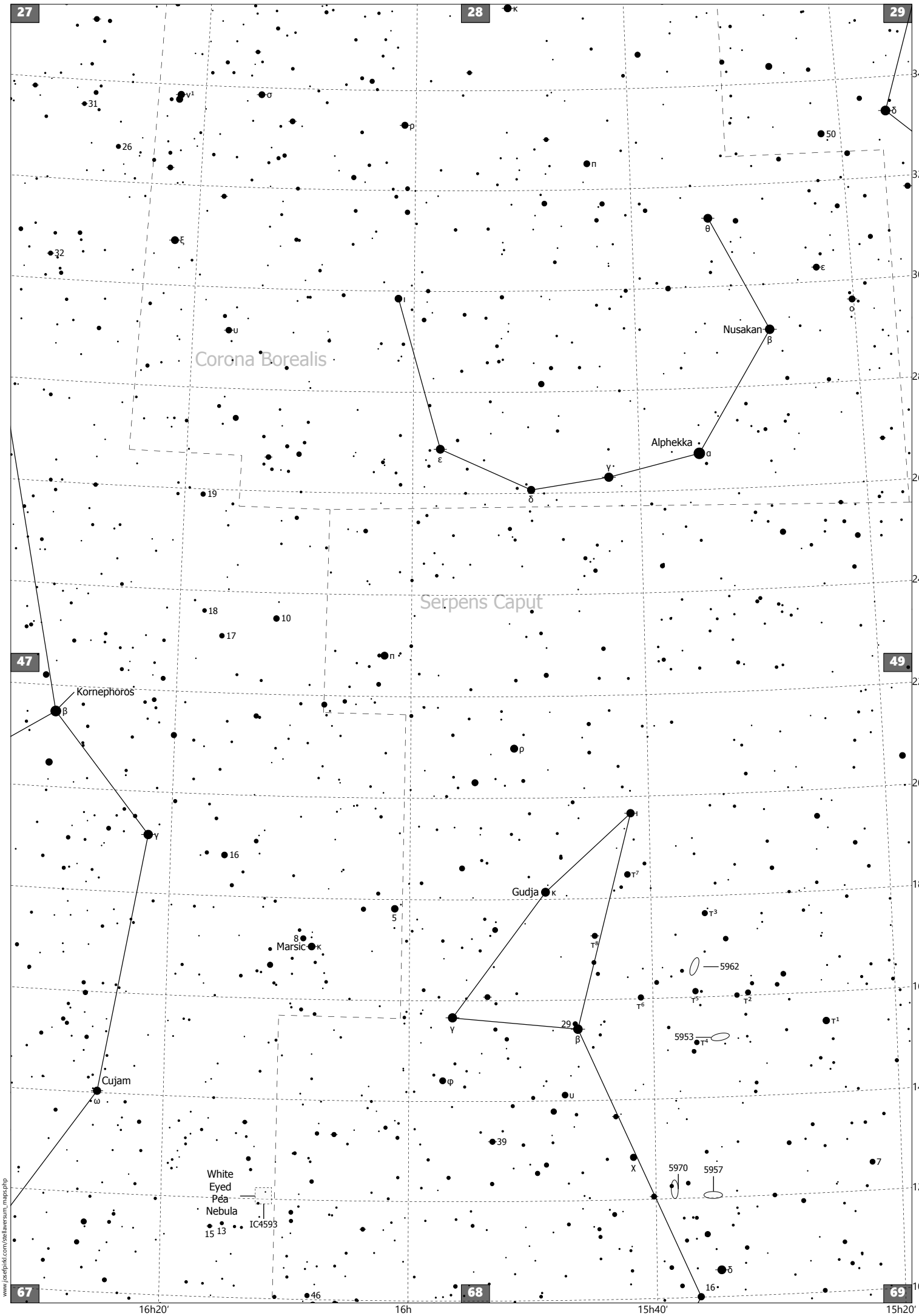
RA:16.39;17.91 DEC:35.79;9.93 (J2000)



www.jsfdpinkl.com/stellaversum_maps.php

Chart 48

RA:15.17;16.69 DEC:35.79;9.93 (J2000)



www.jsefpirkl.com/stellaversum_maps.php

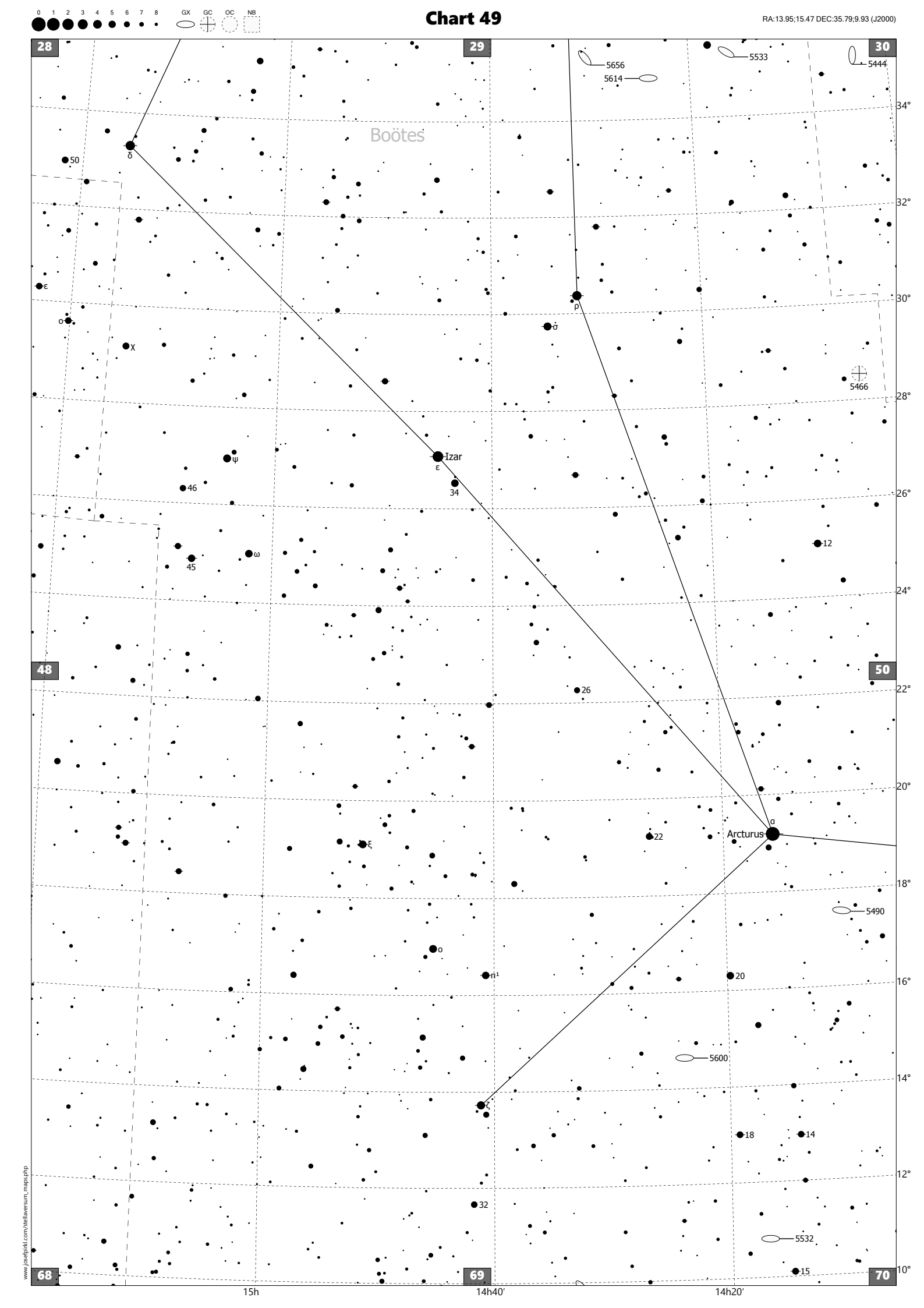
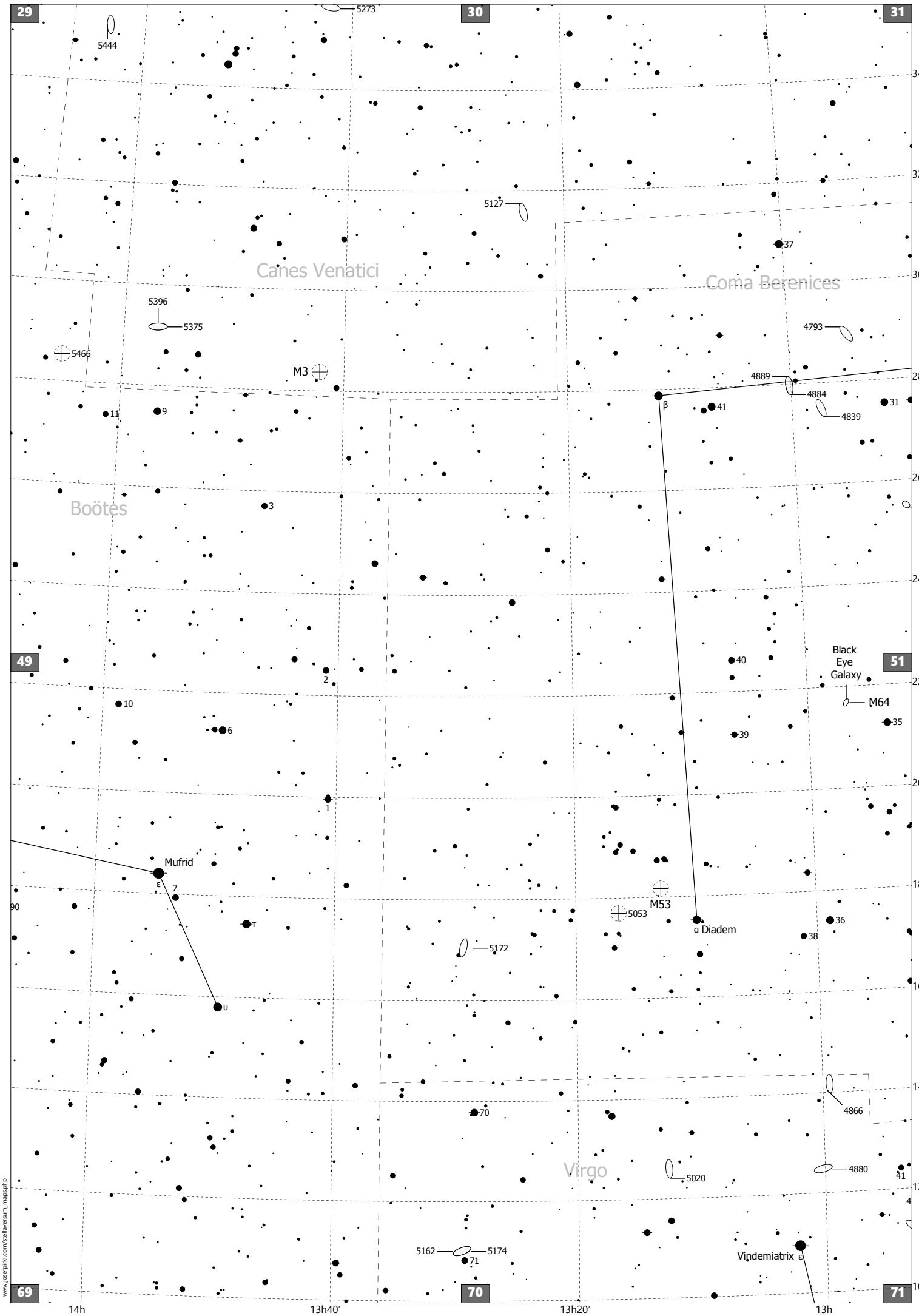

0 1 2 3 4 5 6 7 8
GX GC OC NB
Chart 49
RA:13.95;15.47 DEC:35.79;9.93 (J2000)
28
29
30
48
50
68
69
70
Boötes
δ
50
ε
ο
χ
ψ
46
45
ω
Izar
ε
34
ρ
σ
5656
5614
5533
5444
5466
12
26
ξ
22
Arcturus
α
5490
ο
π¹
20
5600
ζ
18
14
32
5532
15
34°
32°
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
15h
14h40′
14h20′
www.josefpirkl.com/stellaversum_maps.php

Chart 50

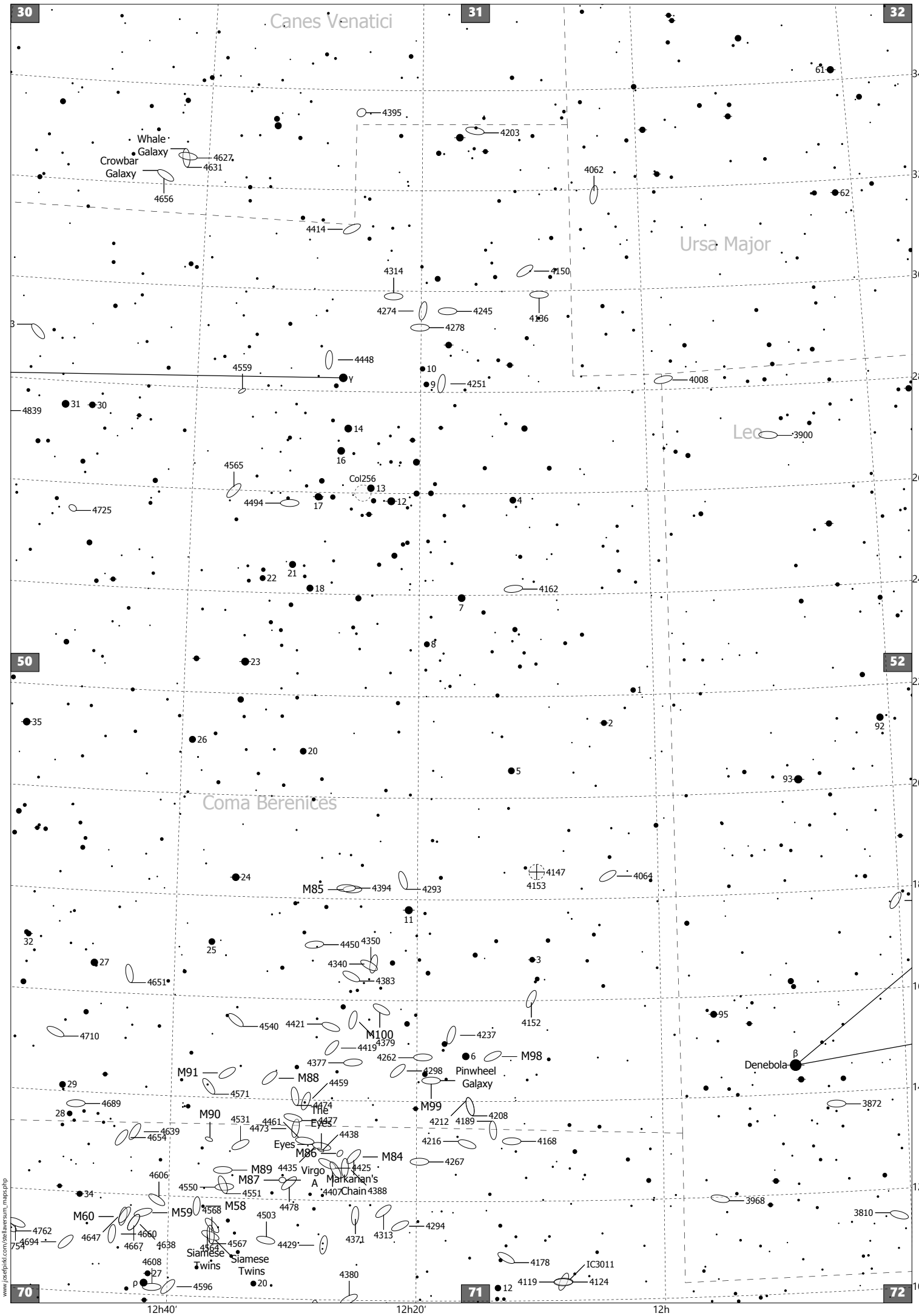
RA:12.73;14.25 DEC:35.79;9.93 (J2000)



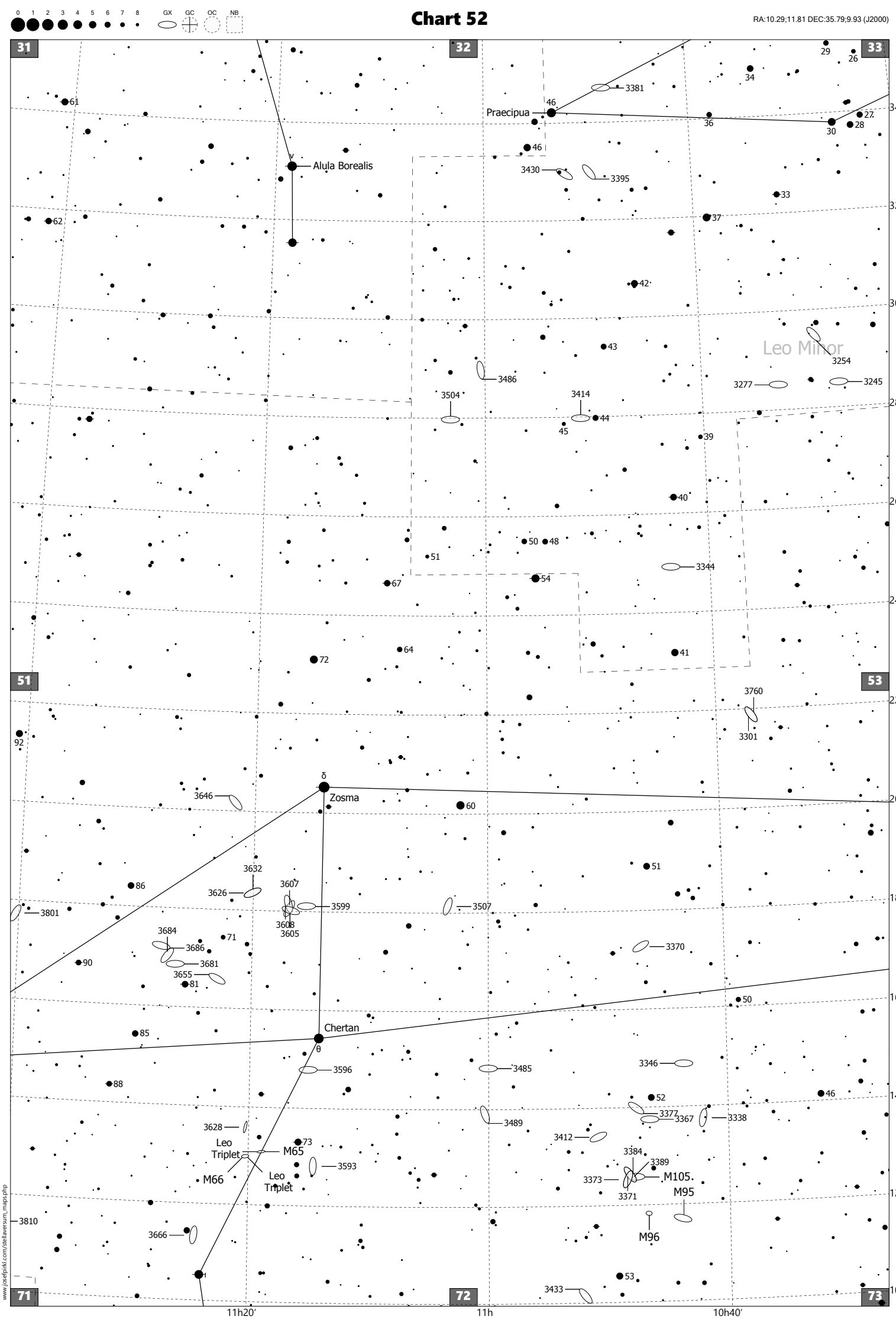
www.josefpirkl.com/stellaversum_maps.php

Chart 51

RA:11.51;13.03 DEC:35.79;9.93 (J2000)



www.josefpirkl.com/stellaversum_maps.php


0 1 2 3 4 5 6 7 8
GX GC OC NB
Chart 52
RA:10.29;11.81 DEC:35.79;9.93 (J2000)
31
32
33
51
53
71
72
73
Alula Borealis
Praecipua
Leo Minor
Zosma
Chertan
Leo Triplet
M65
M66
M105
M95
M96
11h20′
11h
10h40′
www.josefpirkl.com/stellaversum_maps.php

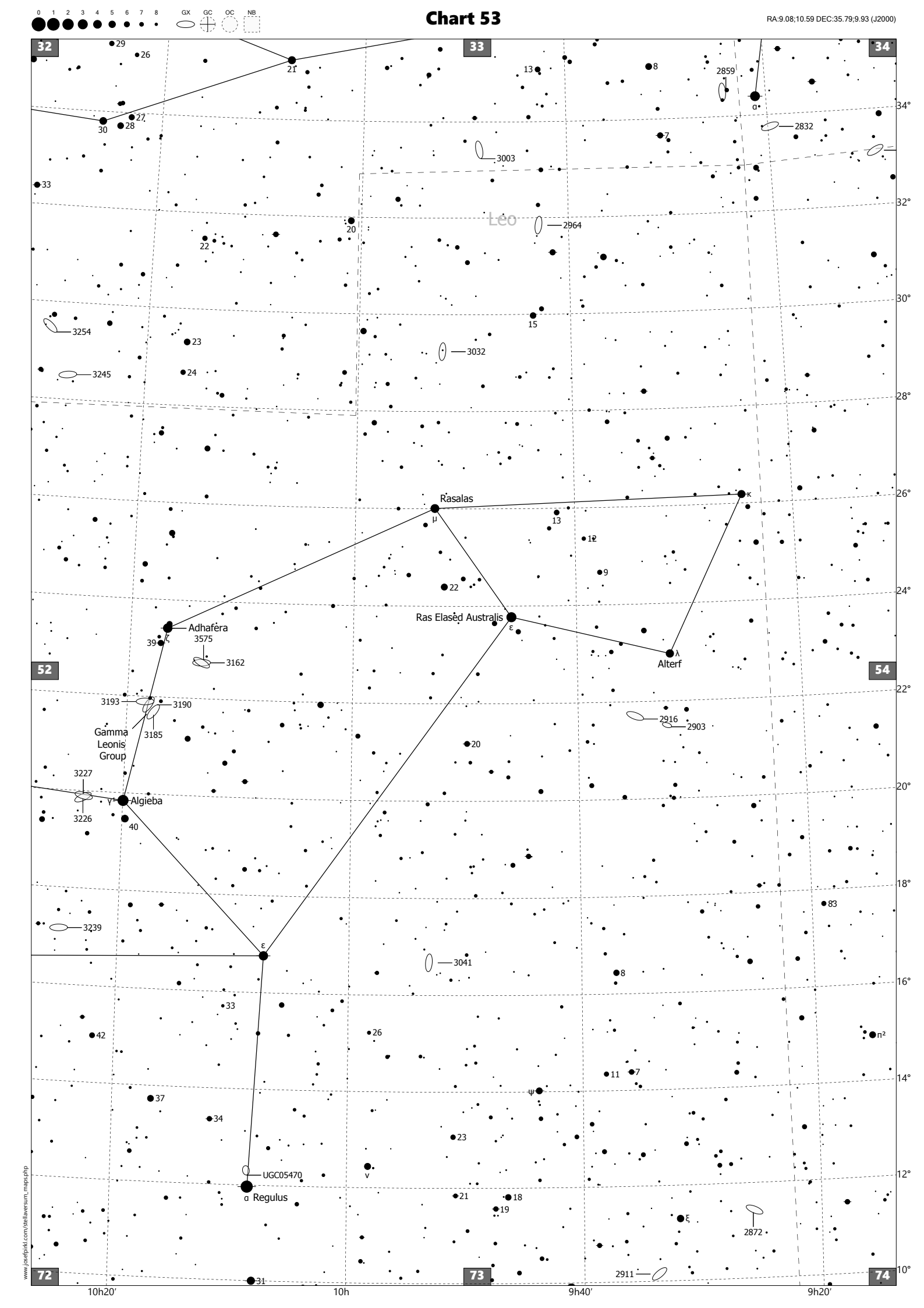
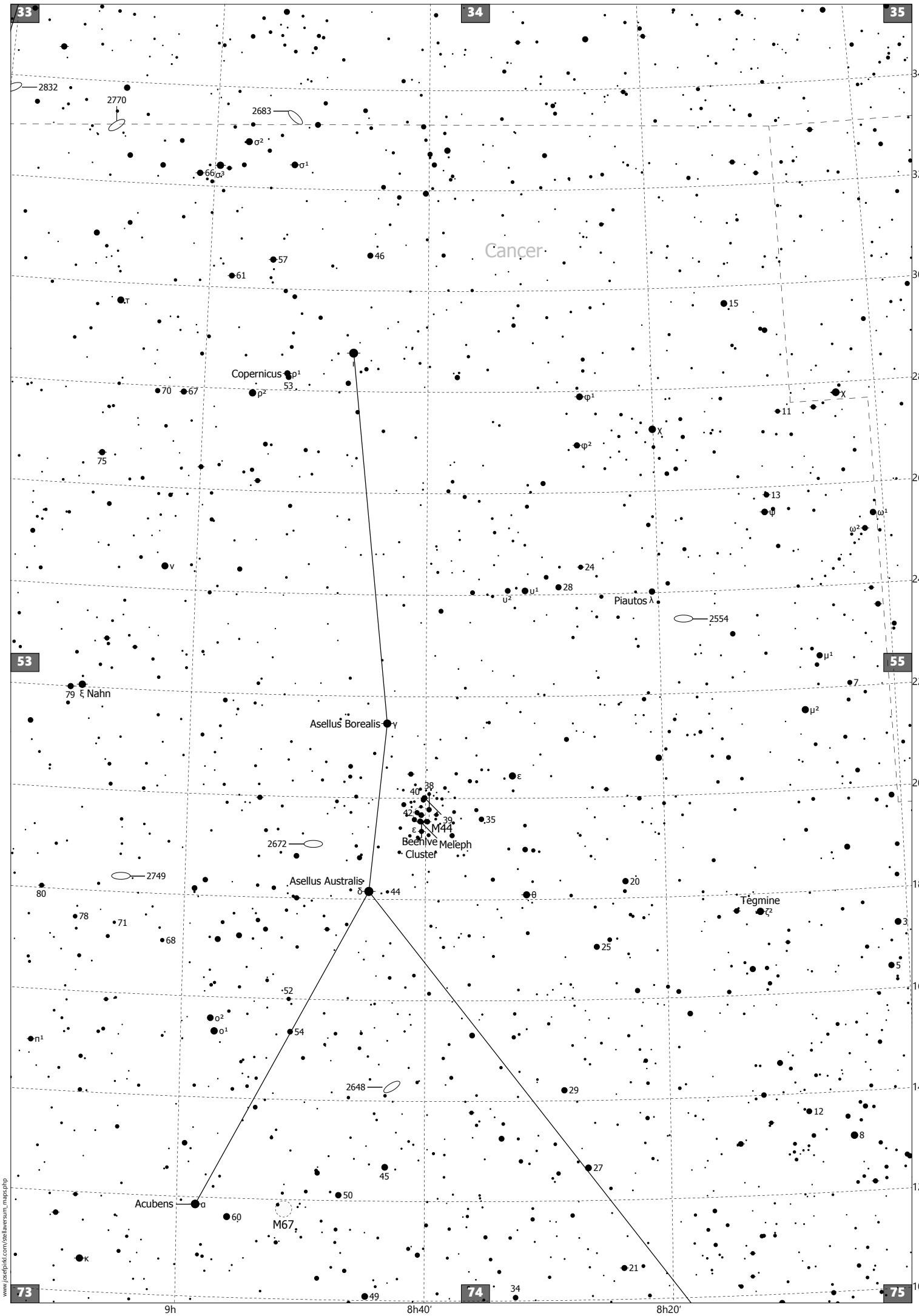
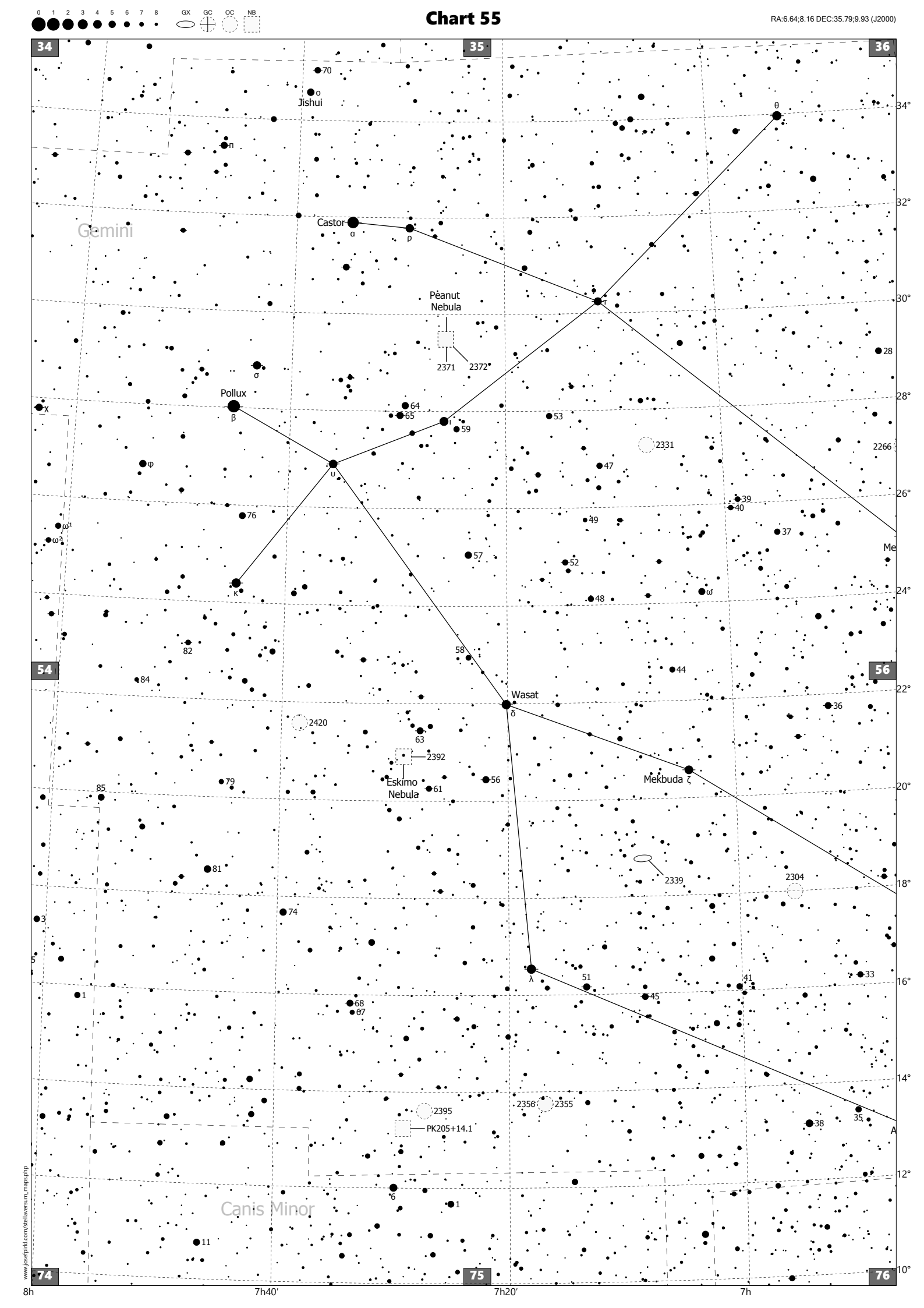

Chart 53
RA:9.08;10.59 DEC:35.79;9.93 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
32
33
34
52
54
72
73
74
Leo
Rasalas
Adhafera
Ras Elased Australis
Alterf
Gamma Leonis Group
Algieba
Regulus
UGC05470
3575
3162
3193
3190
3185
3227
3226
2916
2903
3239
3041
2872
2911
2964
3032
3254
3245
2832
3003
2859
10h20′
10h
9h40′
9h20′
www.jsefpirkl.com/stellaversum_maps.php

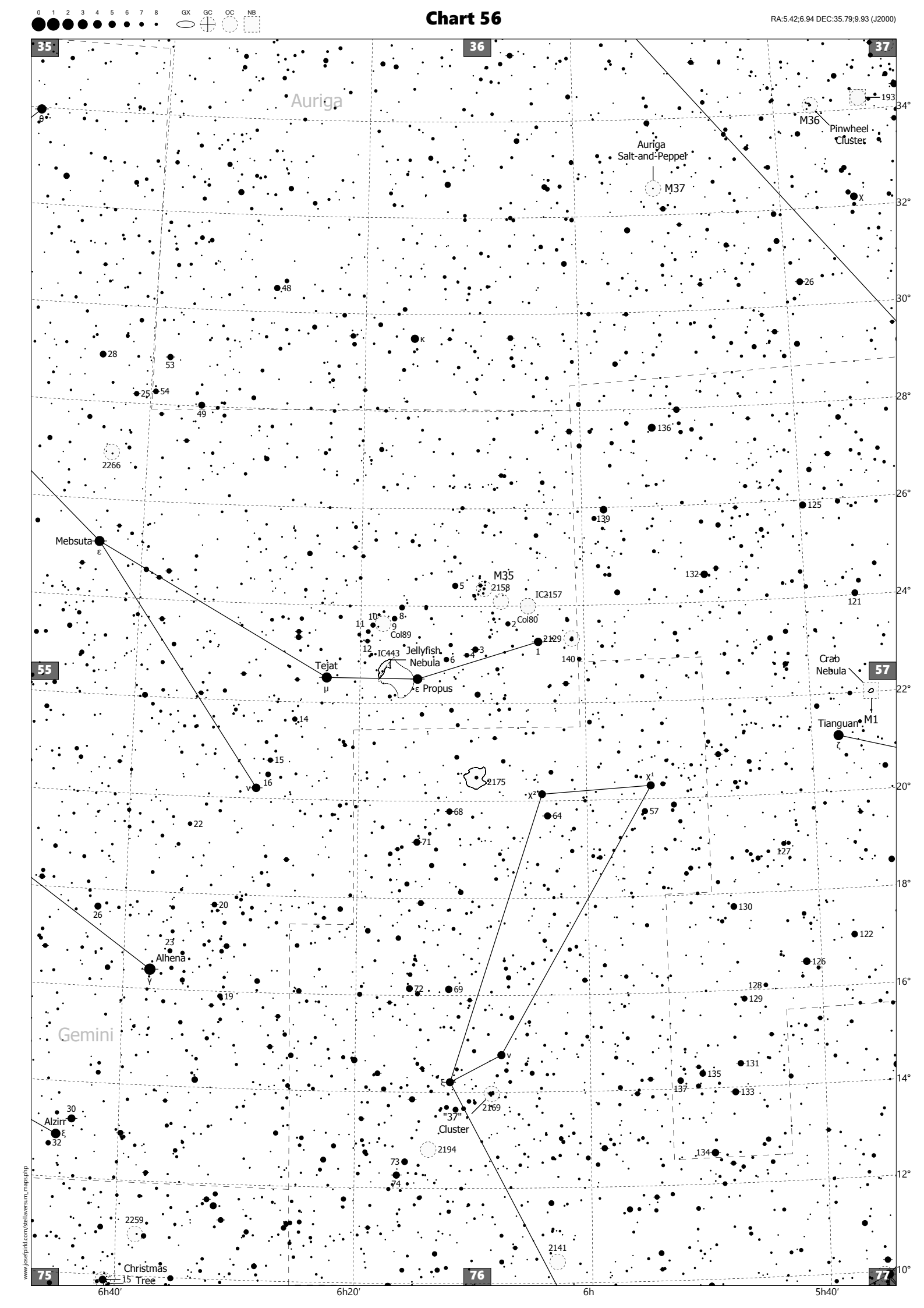
Chart 54

RA:7.86;9.38 DEC:35.79;9.93 (J2000)



www.josefpirkl.com/stellaversum_maps.php


Chart 55
RA:6.64;8.16 DEC:35.79;9.93 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
34
35
36
54
56
74
75
76
Gemini
Canis Minor
Castor
Pollux
Jishui
Pèanut Nebula
Eskimo Nebula
Wasat
Mekbuda ζ
2371
2372
2392
2420
2339
2304
2395
2356
2355
PK205+14.1
8h
7h40′
7h20′
7h
www.jsdfprkl.com/stellaversum_maps.php


Chart 56
RA:5.42;6.94 DEC:35.79;9.93 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
35
36
37
55
57
75
76
77
Auriga
Gemini
M36
Pinwheel Cluster
Auriga Salt-and-Pepper
M37
M35
2158
IC2157
Col80
Col89
IC443
Jellyfish Nebula
Mebsuta
Tejat
Propus
Crab Nebula
M1
Tianguan
Alhena
Alzirr
Christmas Tree
"37" Cluster
2175
2169
2194
2259
2141
2266
6h40′
6h20′
6h
5h40′
34°
32°
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
www.jsefpirkl.com/stellaversum_maps.php

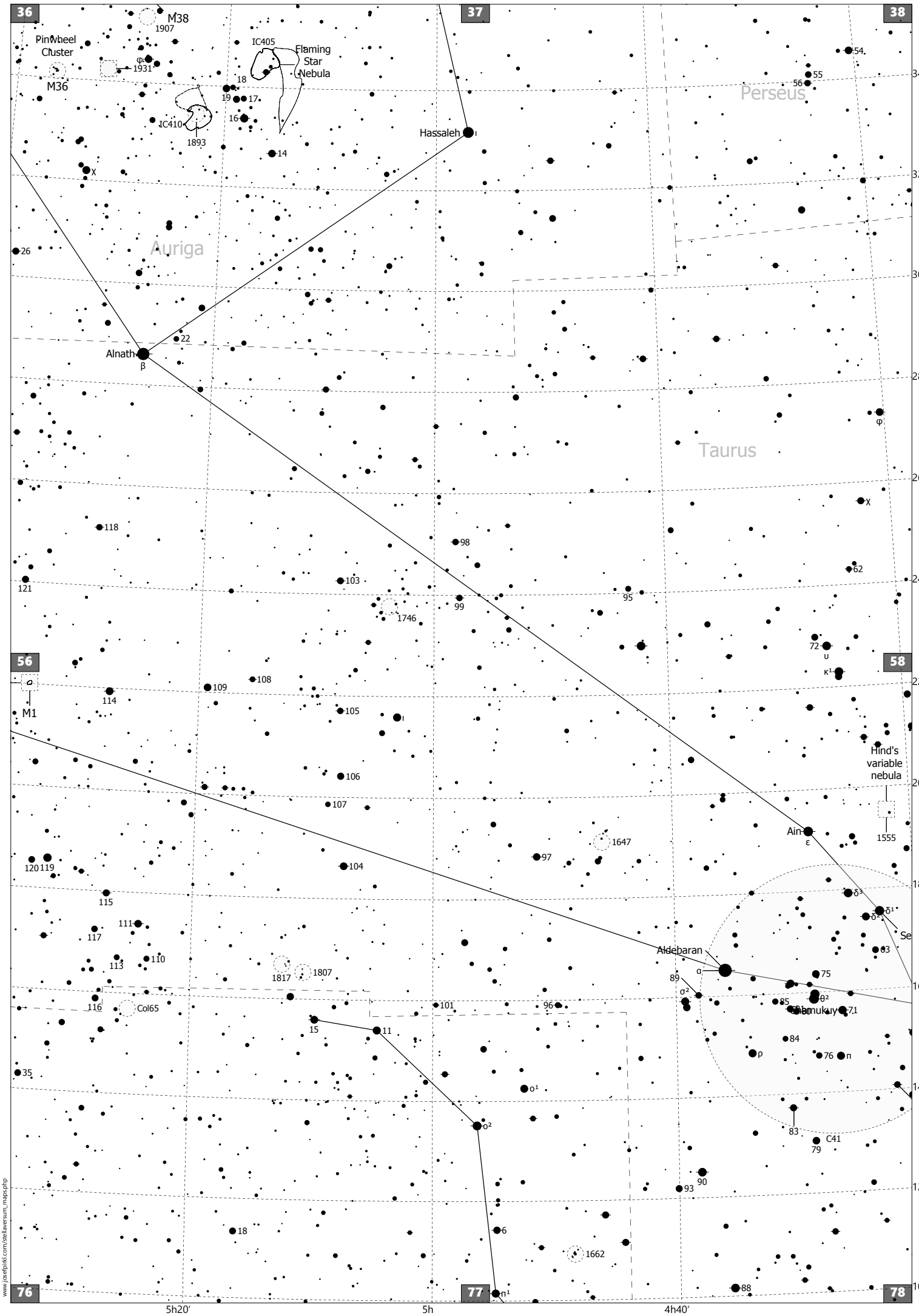
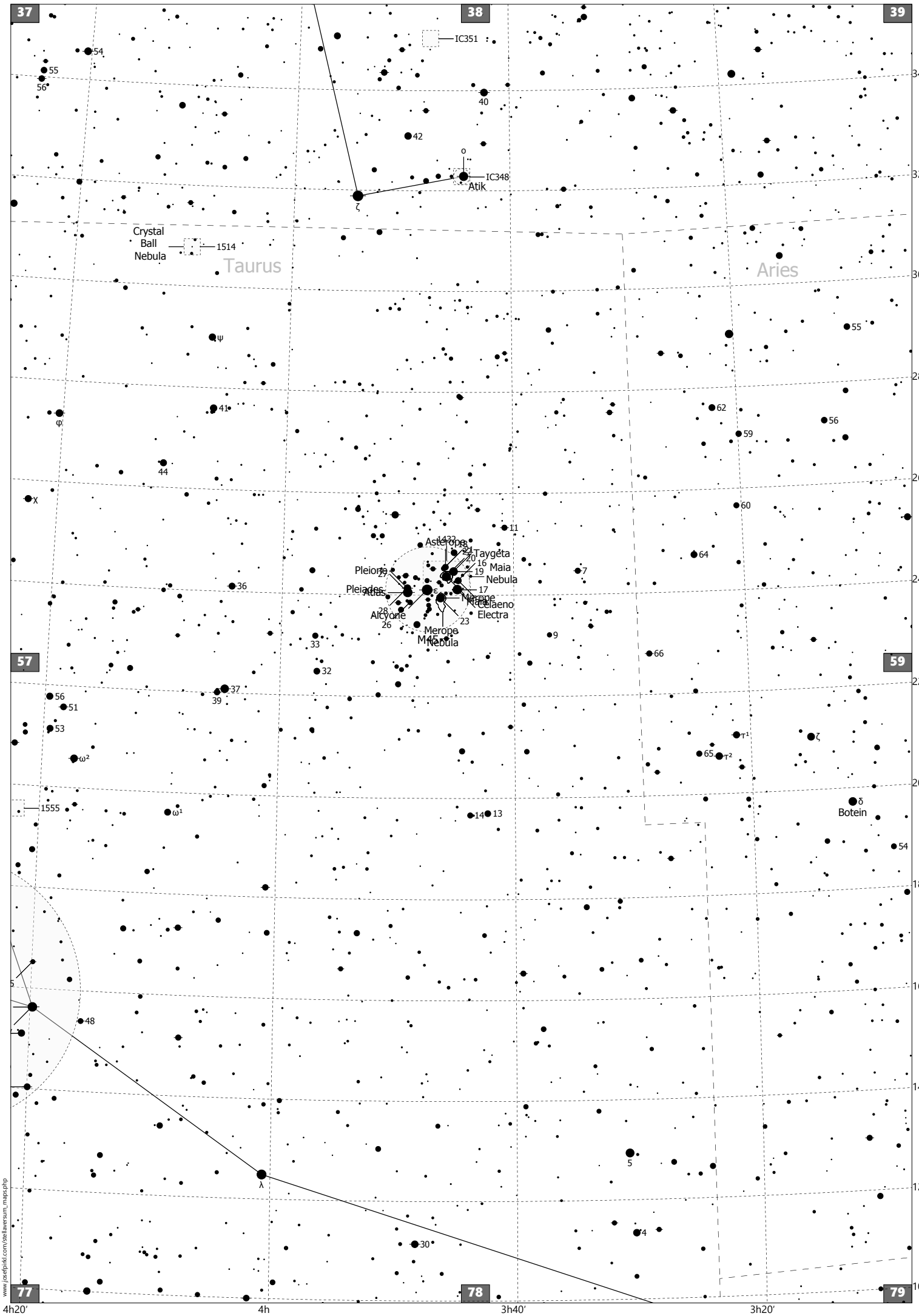

Chart 57
RA:4.20;5.72 DEC:35.79;9.93 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
36
37
38
56
58
76
77
78
M38
1907
Pinwheel Cluster
M36
1931
IC405
Flaming Star Nebula
IC410
1893
Hassaleh
Auriga
Perseus
Taurus
Alnath
β
M1
1746
1647
1807
1817
Col65
Hind's variable nebula
1555
Aldebaran
Ain
ε
1662
5h20′
5h
4h40′
www.jsefpirkl.com/stellaversum_maps.php

Chart 58

RA:2.98;4.50 DEC:35.79;9.93 (J2000)



www.josefpirkl.com/stellaversum_maps.php

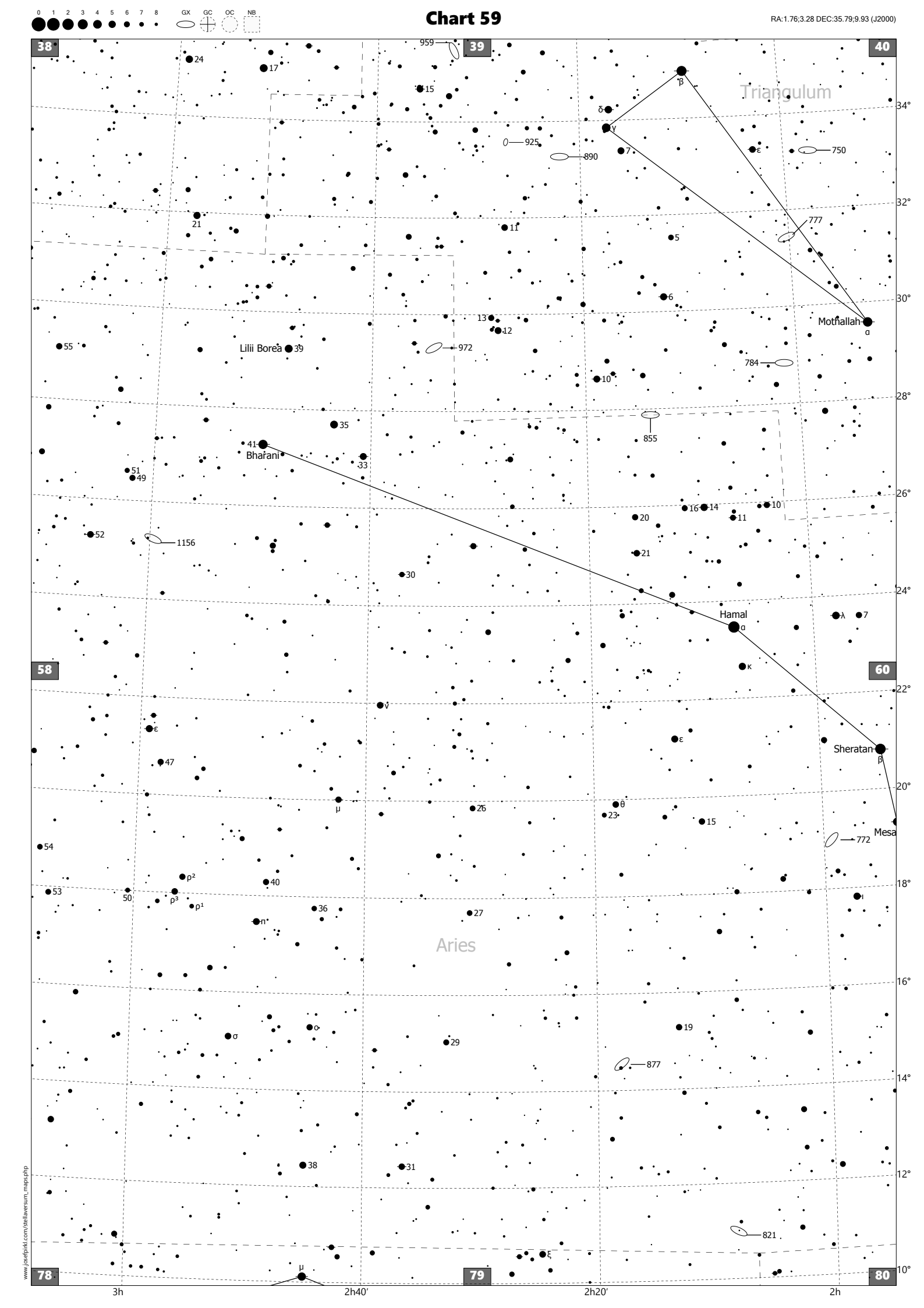
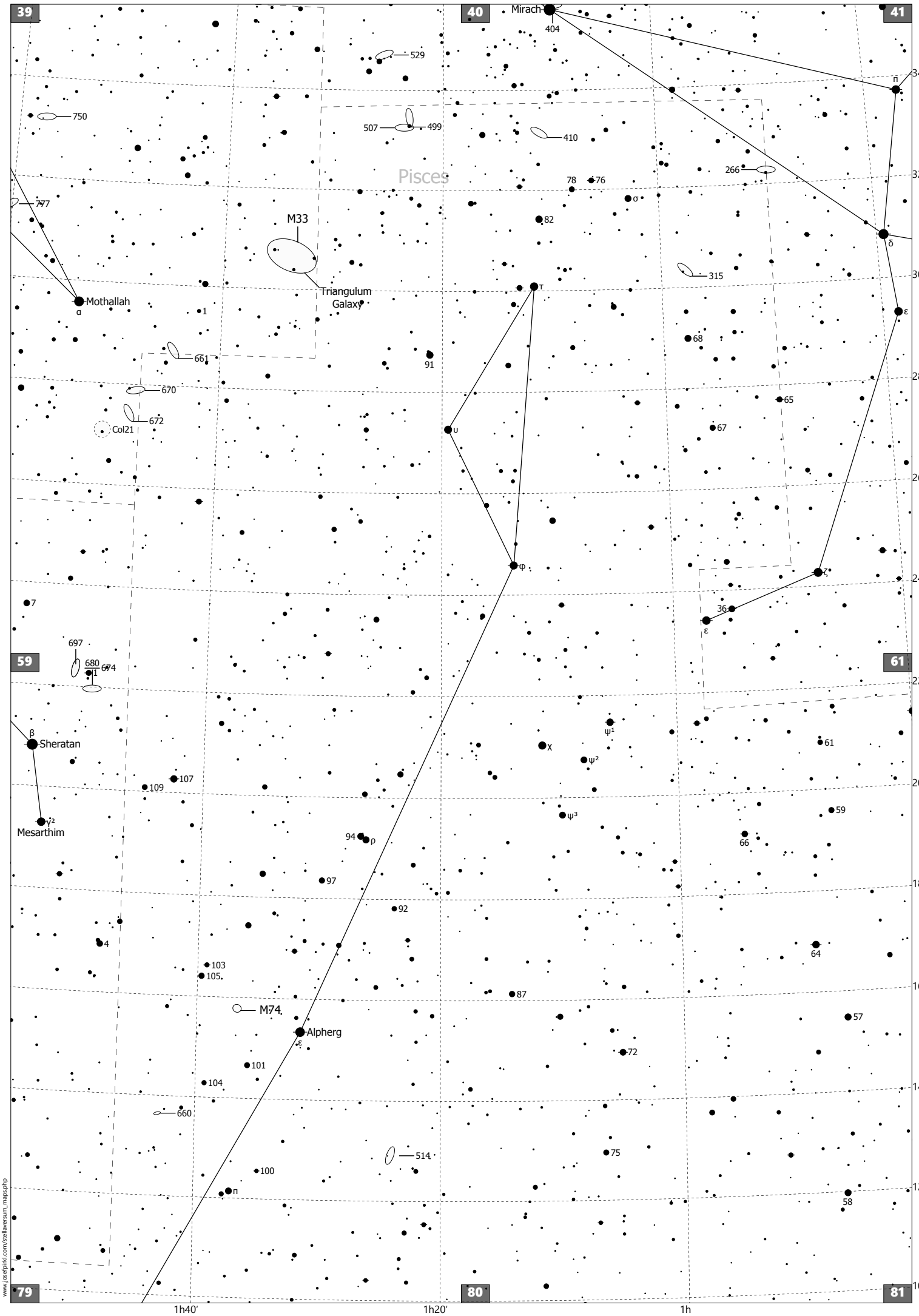

Chart 59
RA:1.76;3.28 DEC:35.79;9.93 (J2000)
0 1 2 3 4 5 6 7 8
GX GC OC NB
38
39
40
58
60
78
79
80
Triangulum
Aries
Mothallah
α
Lilii Borea
Bharani
Hamal
α
Sheratan
β
Mesa
34°
32°
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
3h
2h40′
2h20′
2h
www.jsefpirkl.com/stellaversum_maps.php

Chart 60

RA:0.55;2.06 DEC:35.79;9.93 (J2000)



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