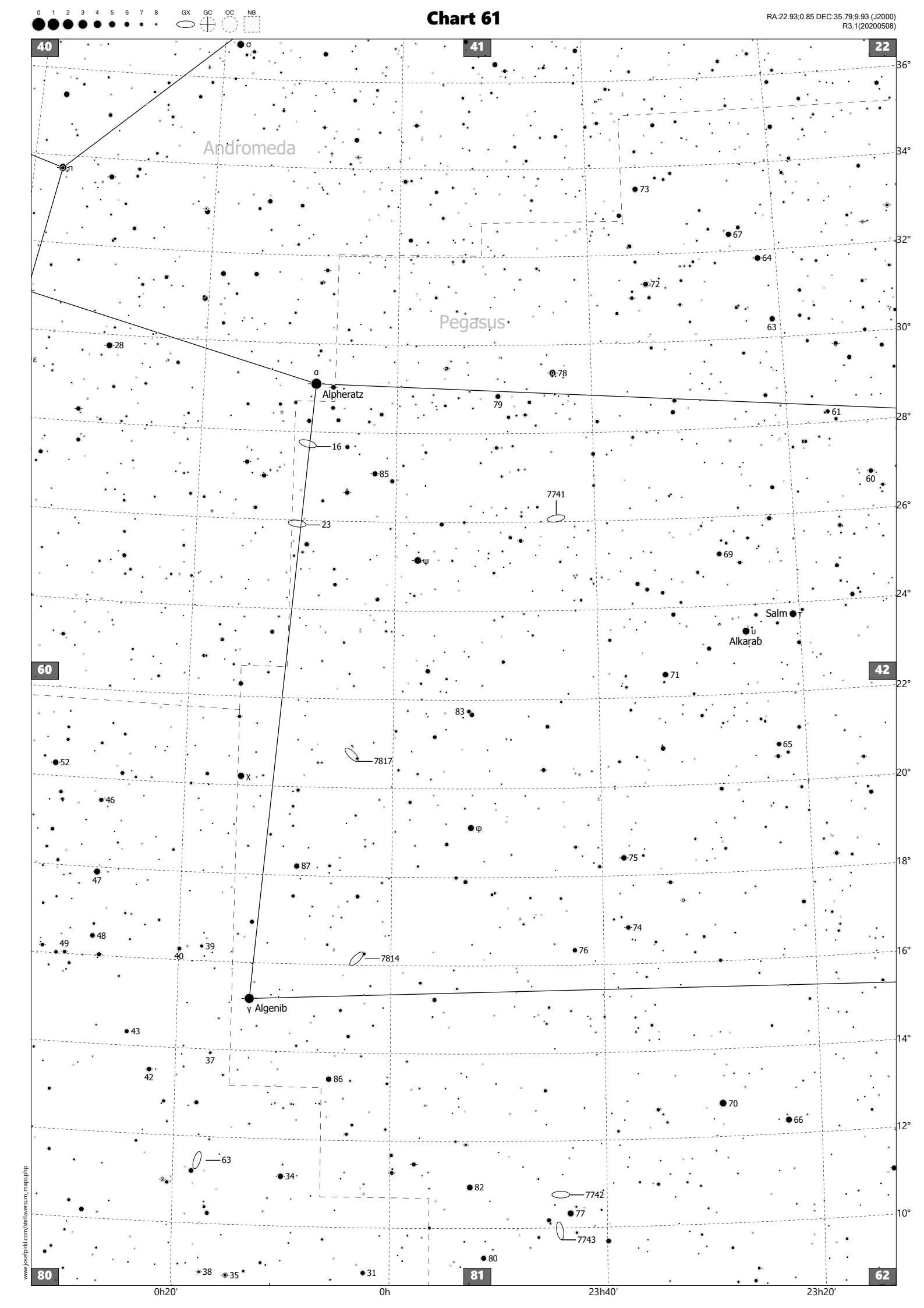

0 1 2 3 4 5 6 7 8
GX GC OC NB
Chart 61
RA:22.93;0.85 DEC:35.79;9.93 (J2000)
R3.1(20200508)
40
41
22
60
42
80
81
62
Andromeda
Pegasus
σ
π
73
67
64
72
63
28
ε
α
Alpheratz
78
79
61
16
85
60
7741
23
ψ
69
Salm
τ
υ
Alkarab
71
83
65
52
χ
7817
46
φ
75
87
47
74
48
49
40
39
76
7814
γ Algenib
43
37
42
86
70
66
63
34
82
7742
77
7743
80
38
35
31
36°
34°
32°
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
0h20′
0h
23h40′
23h20′
www.jsefpirkl.com/stellaversum_maps.php

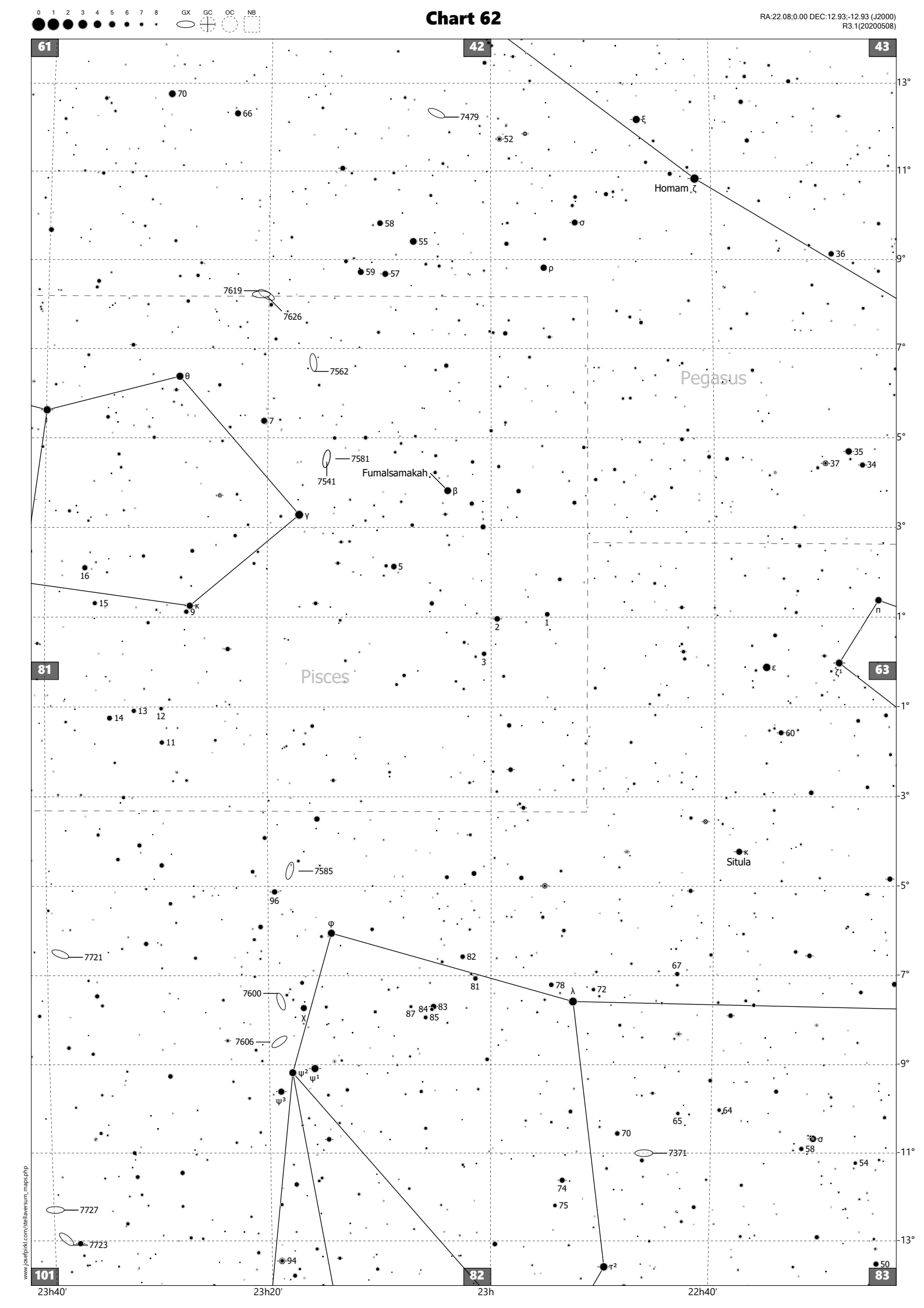
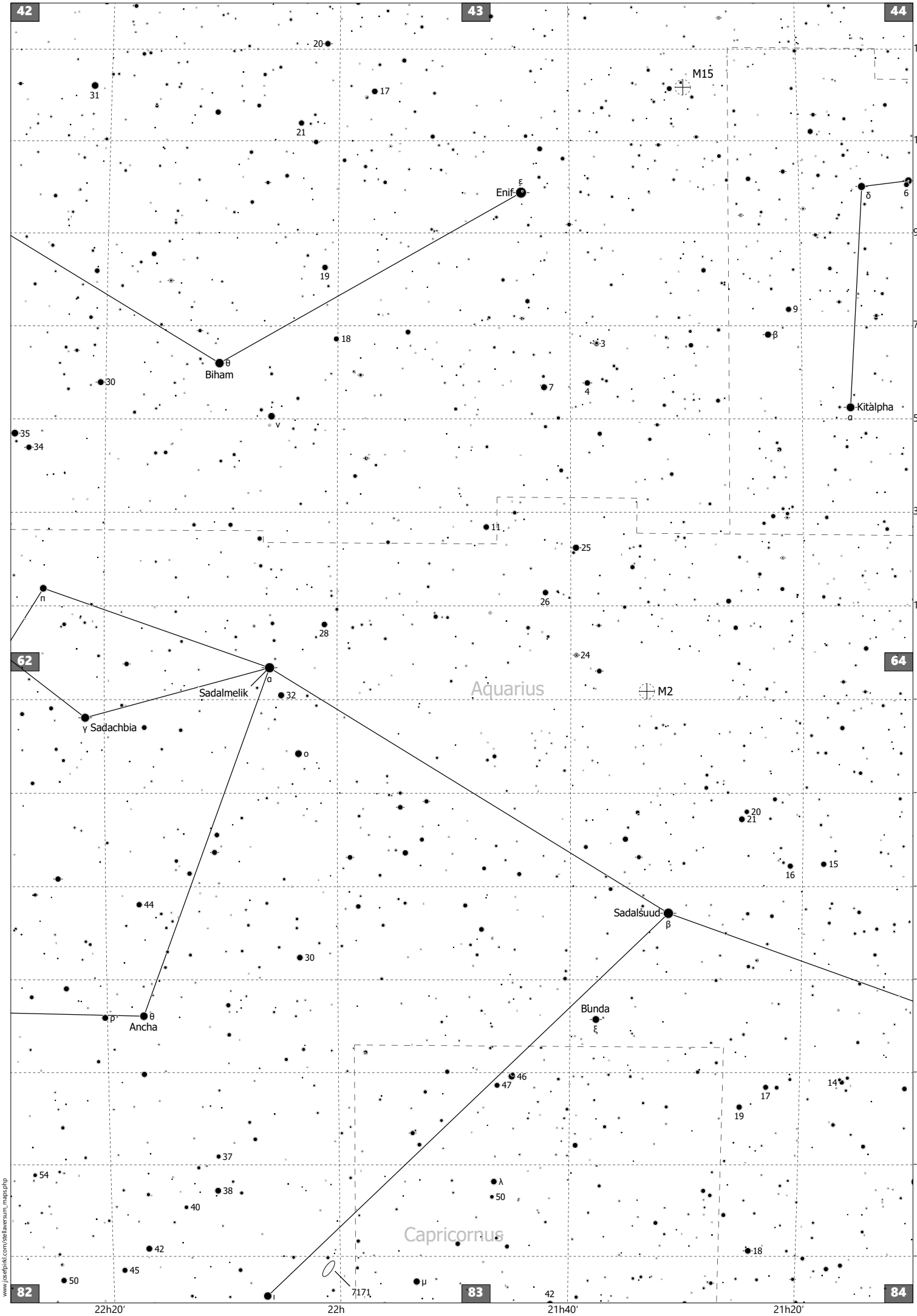
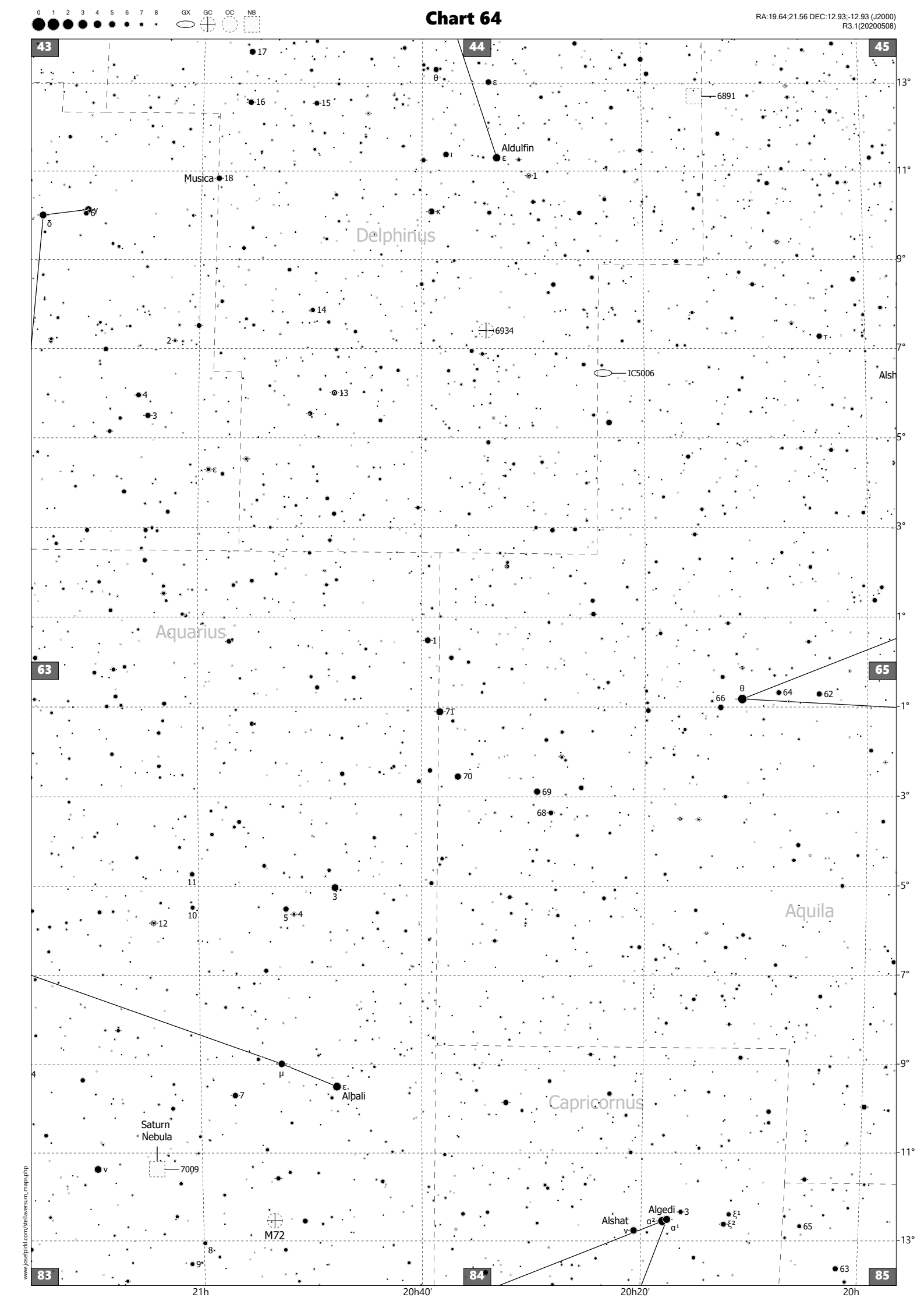

Chart 62
RA:22.08;0.00 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
61
42
43
81
63
101
82
83
Pegasus
Pisces
Homam ζ
Fumalsamakah β
Situla κ
7479
7619
7626
7562
7581
7541
7585
7721
7600
7606
7371
7727
7723
13°
11°
9°
7°
5°
3°
1°
3°
5°
7°
9°
11°
13°
23h40'
23h20'
23h
22h40'
www.josefpirkl.com/stellaversum_maps.php

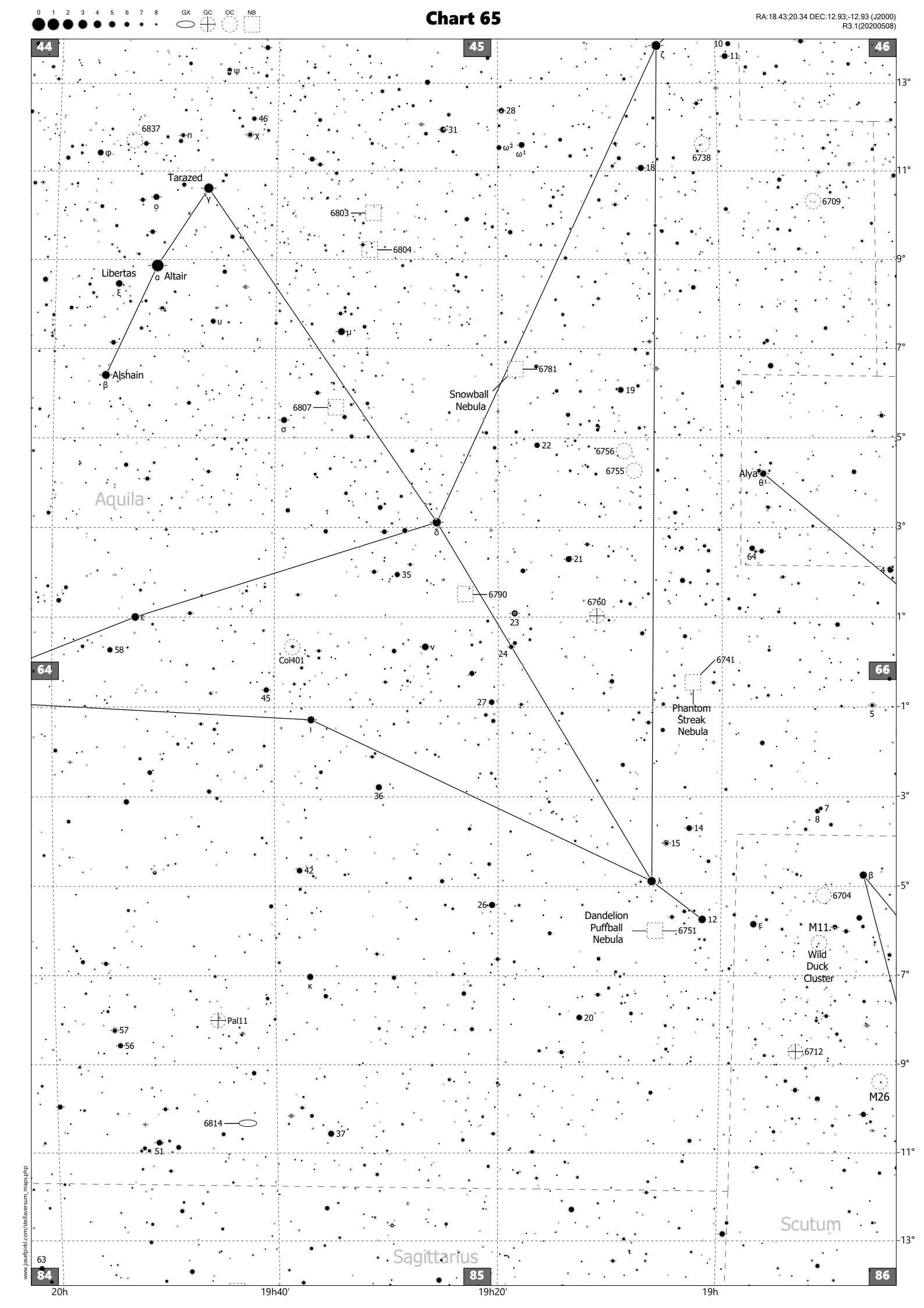
Chart 63

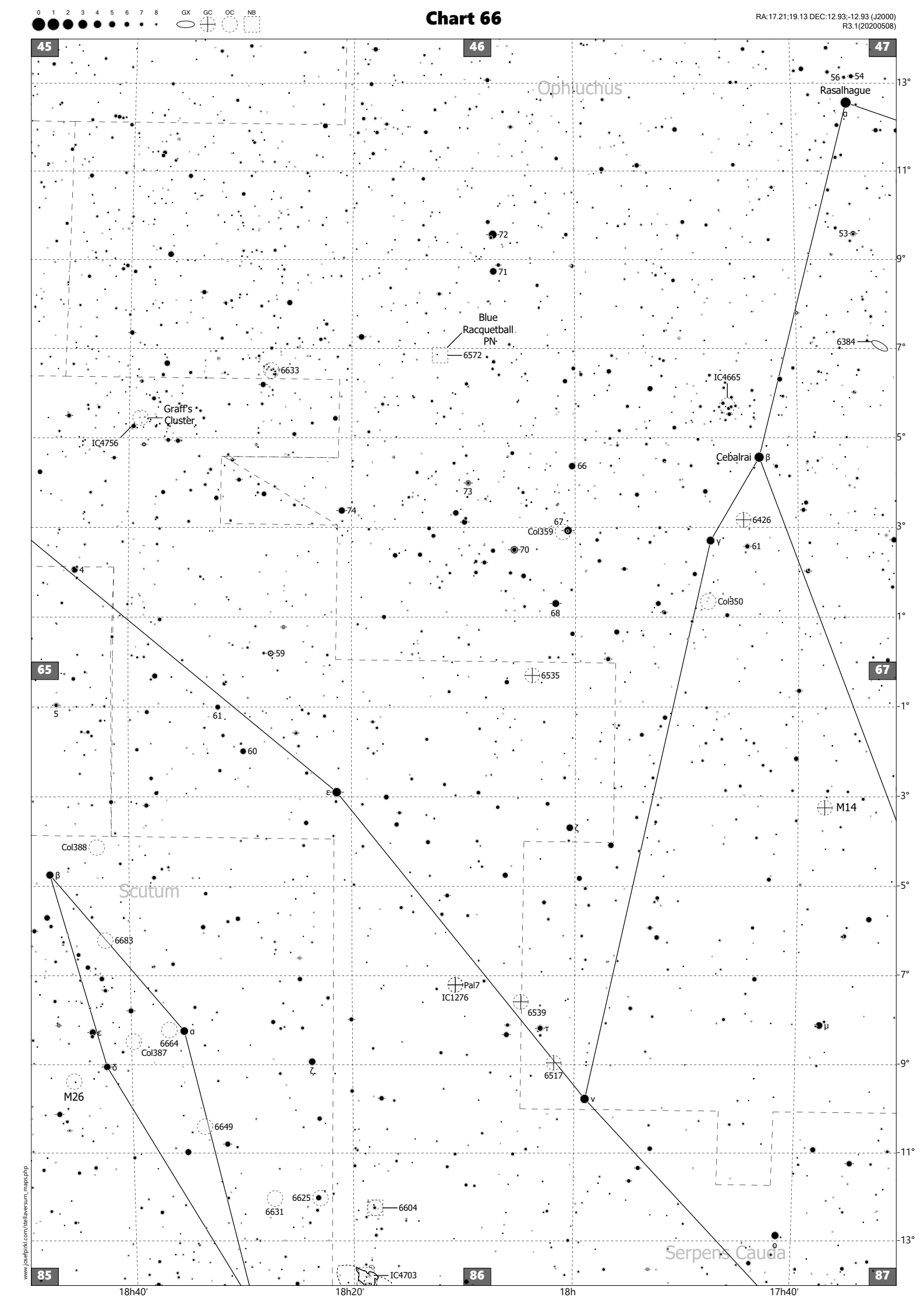
RA:20.86;22.78 DEC:12.93;-12.93 (J2000)
R3.1(20200508)

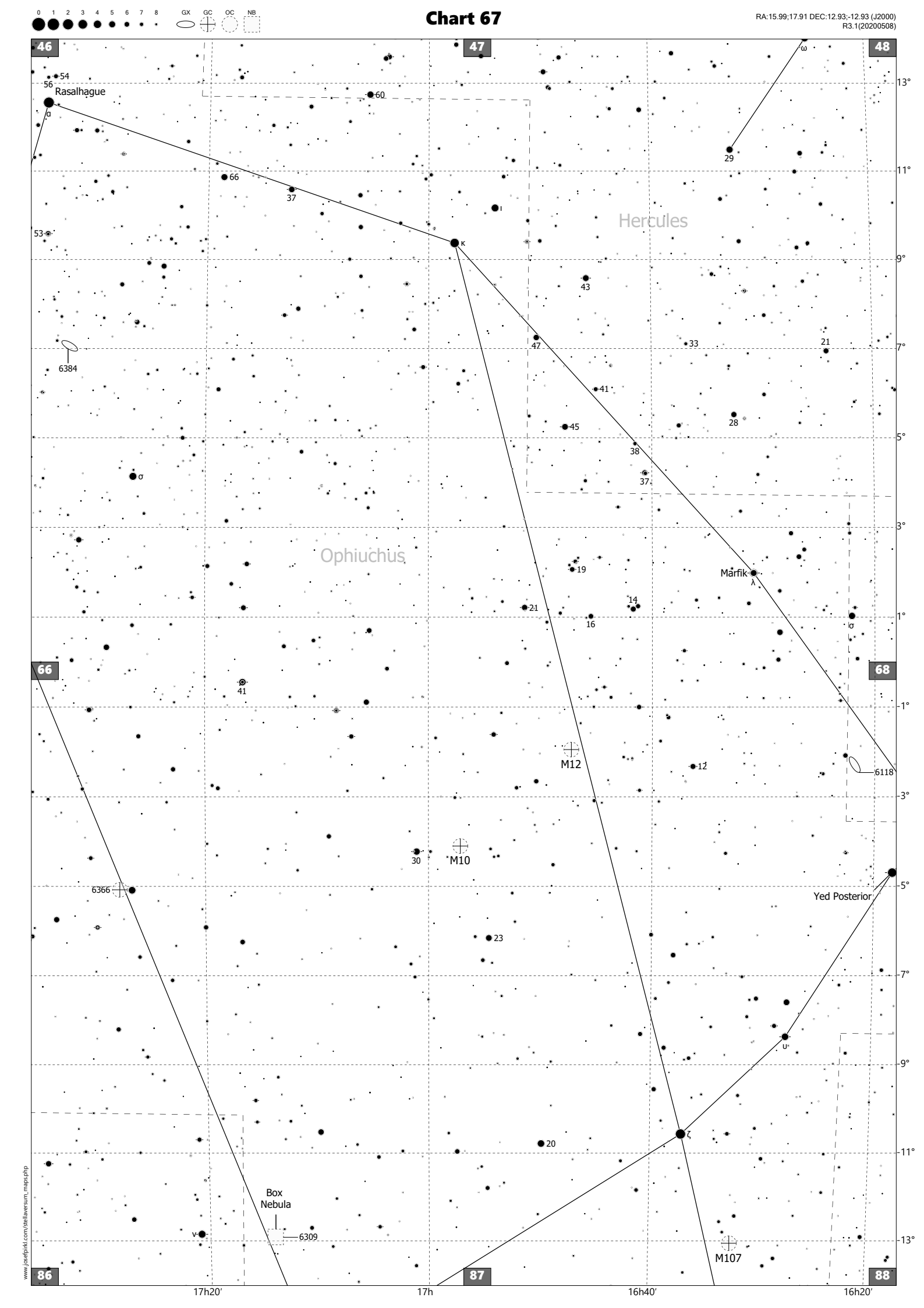


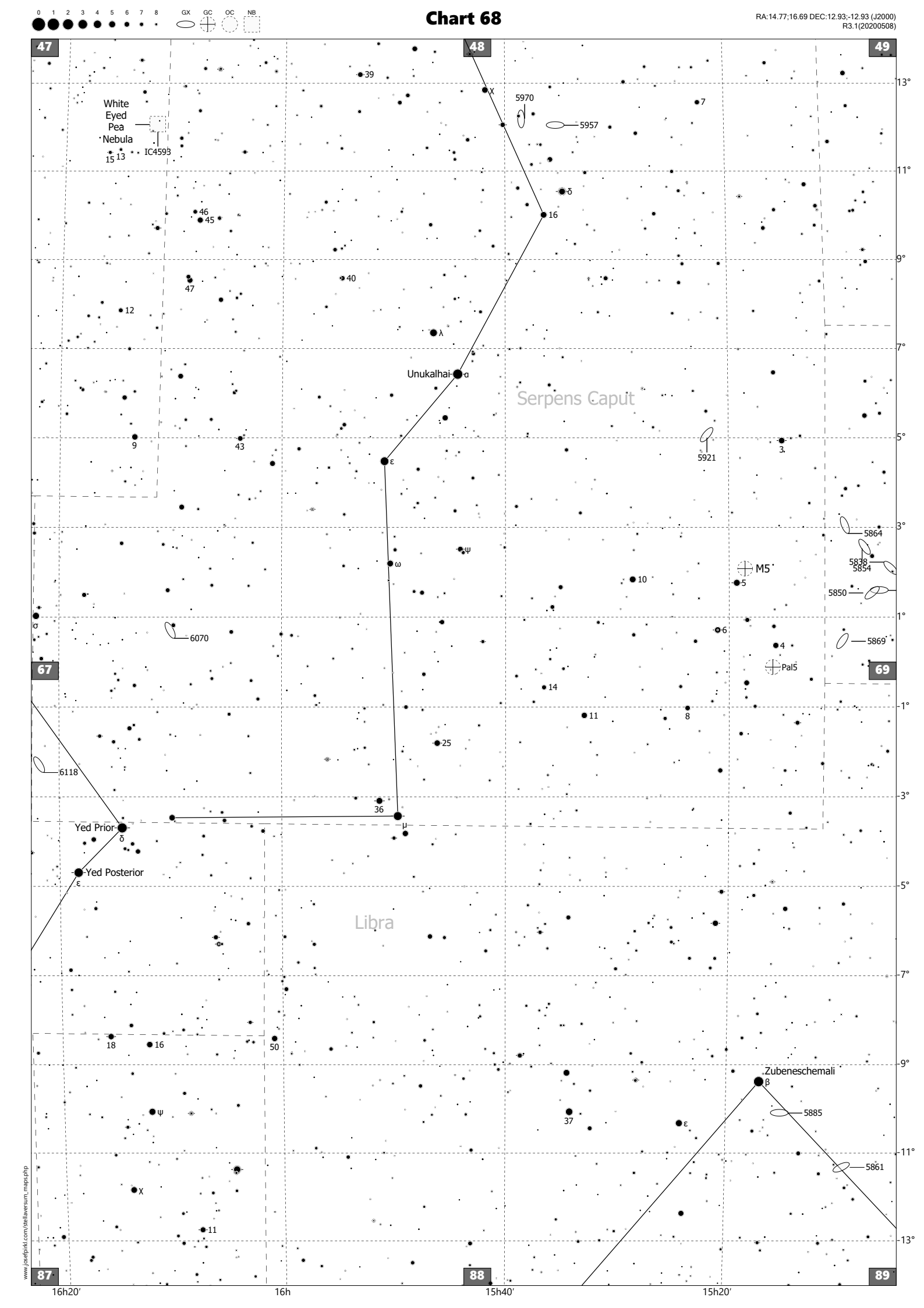
www.jsefpirkl.com/stellaversum_maps.php

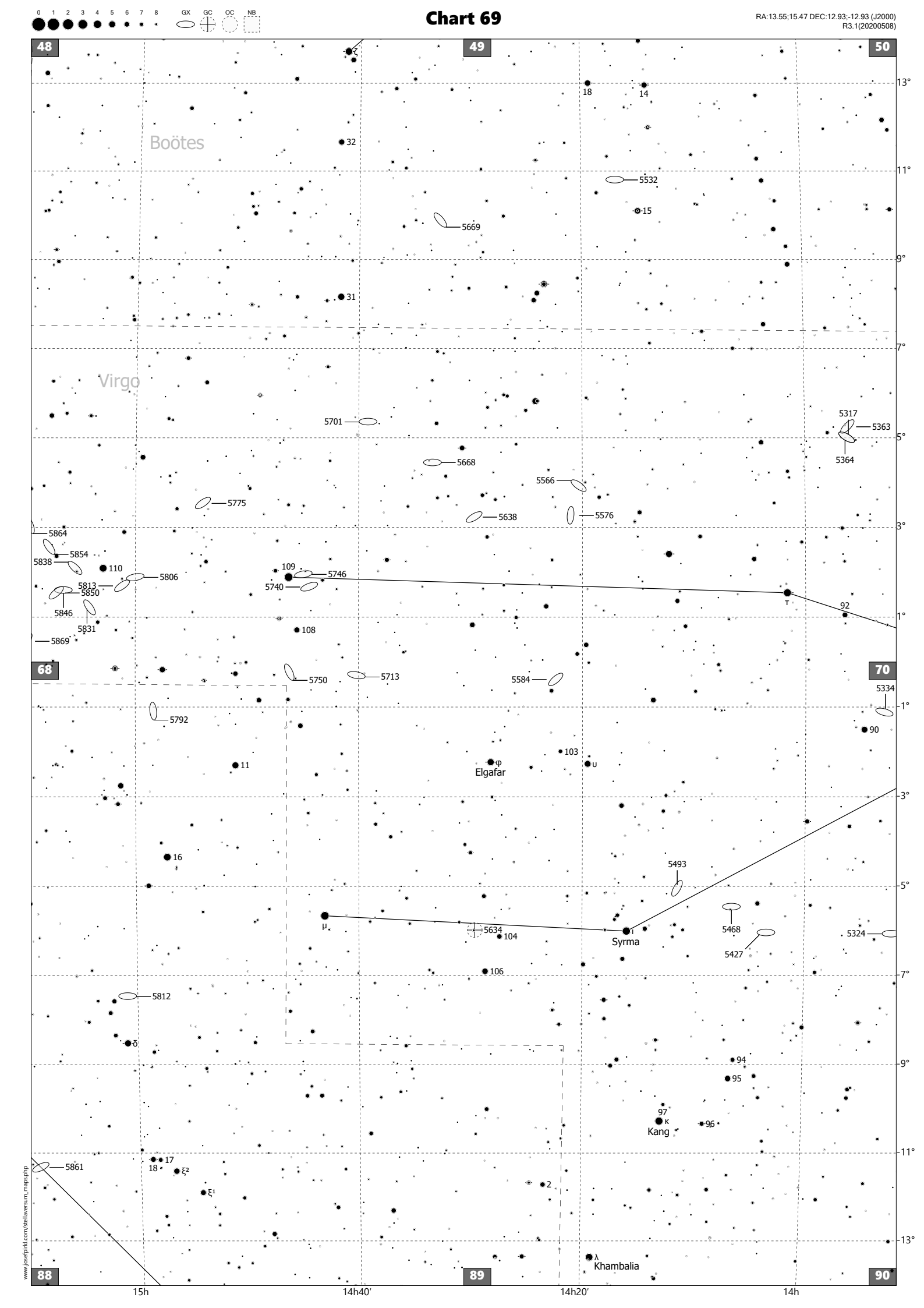

Chart 64
RA:19.64;21.56 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
43
44
45
63
65
83
84
85
Delphinus
Aquarius
Aquila
Capricornus
Musica
Aldulfin
Albali
Alshat
Algedi
Saturn Nebula
M72
6891
6934
7009
IC5006
Alsh
21h
20h40'
20h20'
20h
13°
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
-13°
www.jsefpirkl.com/stellaversum_maps.php

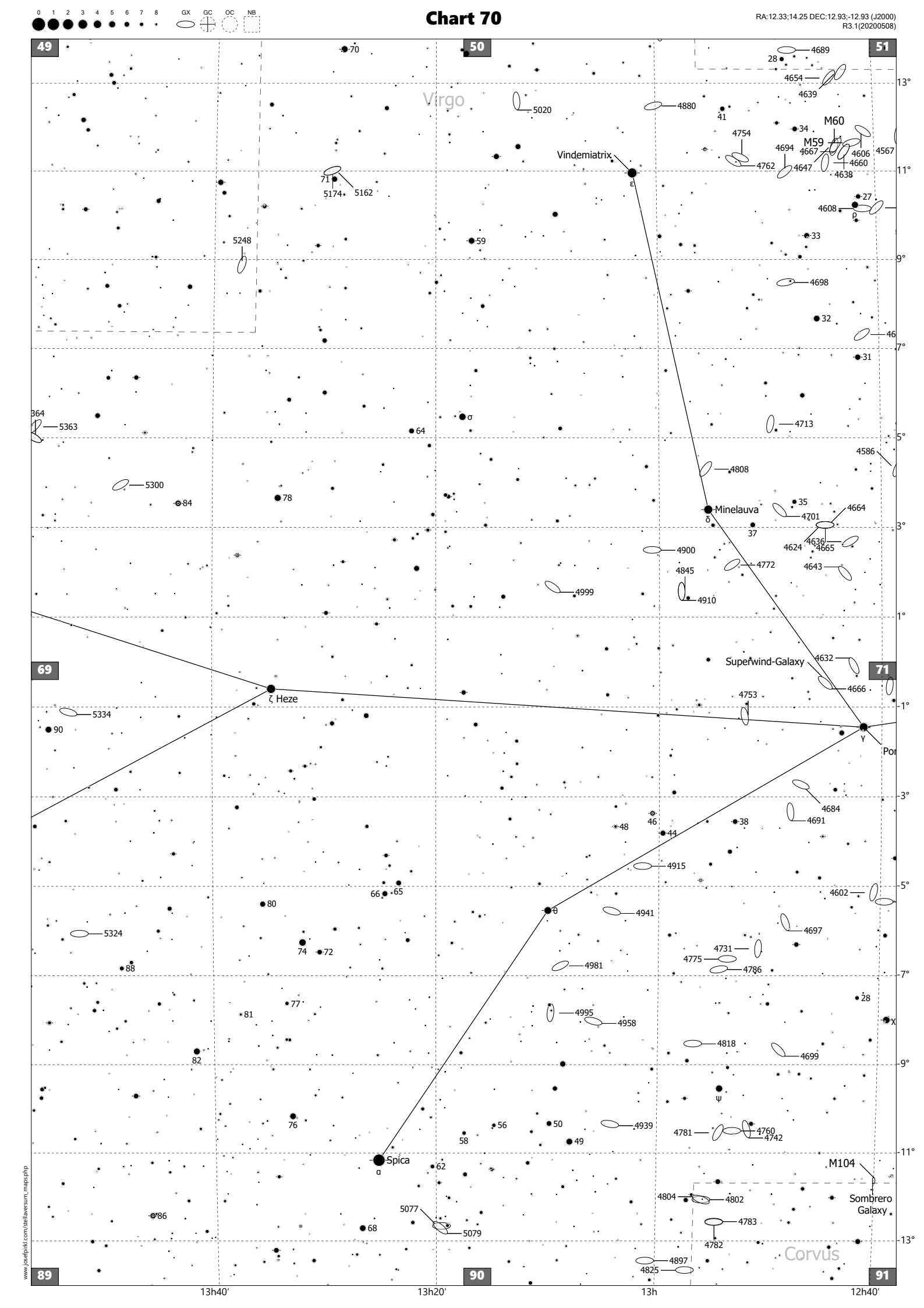

Chart 65
RA:18.43;20.34 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
44
45
46
64
66
84
85
86
Tarazed
Altair
Libertas
Alshain
Aquila
Snowball Nebula
Phantom Streak Nebula
Dandelion Puffball Nebula
Wild Duck Cluster
M11
M26
Alya
Col401
Pal11
6837
6803
6804
6807
6781
6790
6738
6709
6756
6755
6760
6741
6751
6704
6712
6814
Scutum
Sagittarius
20h
19h40'
19h20'
19h
www.jsefpirkl.com/stellaversum_maps.php

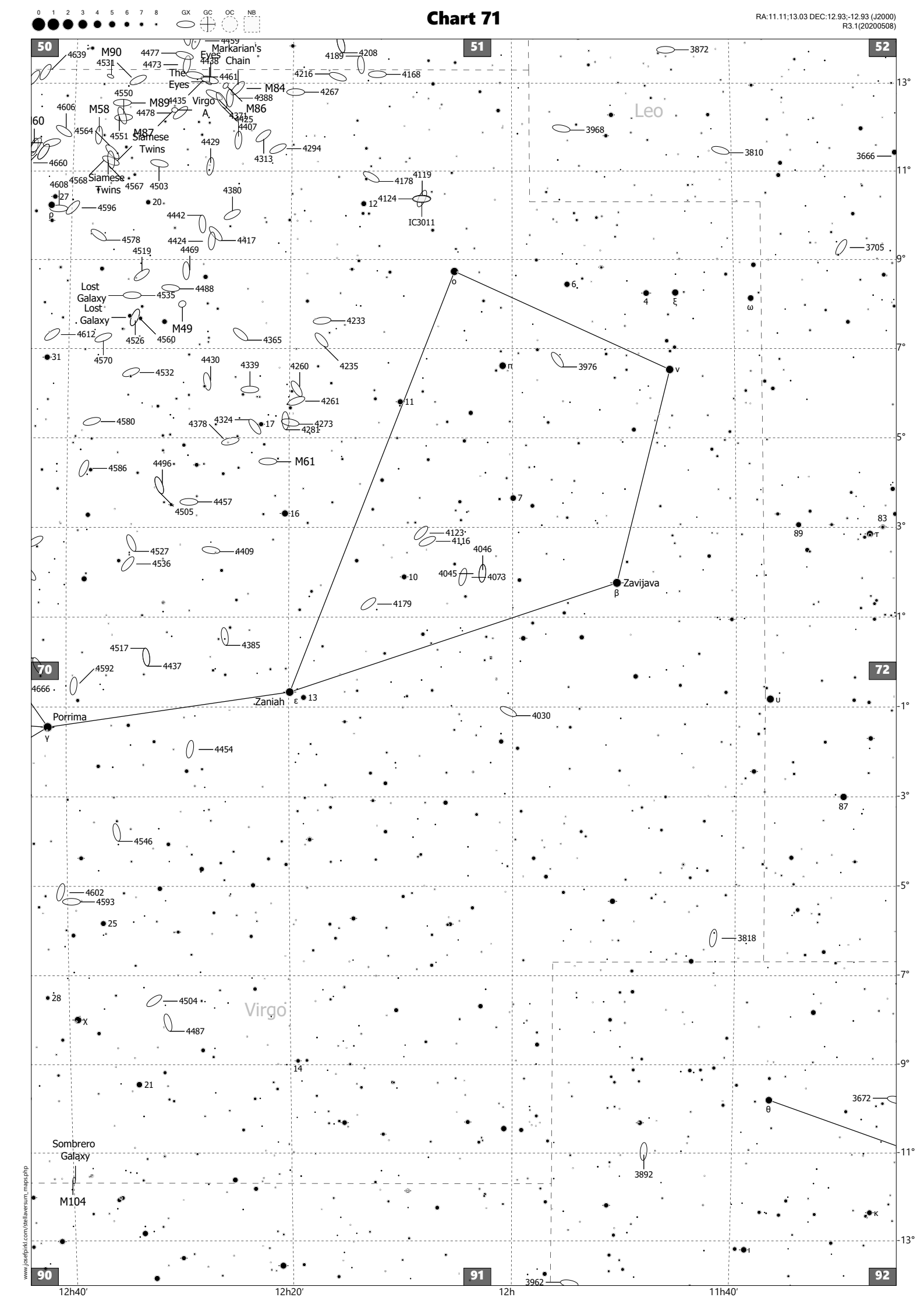

0 1 2 3 4 5 6 7 8
GX GC OC NB
Chart 66
RA:17.21;19.13 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
45
46
47
65
67
85
86
87
Ophiuchus
Scutum
Serpens Cauda
Rasalhague
Cebalrai
Blue Racquetball PN
Graff's Cluster
IC4756
IC4665
Col359
Col350
Col388
Col387
IC1276
IC4703
M14
M26
6572
6633
6426
6535
6683
6664
6649
6625
6631
6604
6539
6517
Pal7
56
54
53
72
71
66
73
74
67
70
68
61
59
60
5
4
6384
18h40′
18h20′
18h
17h40′
13°
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
-13°
www.jsefpirkl.com/stellaversum_maps.php

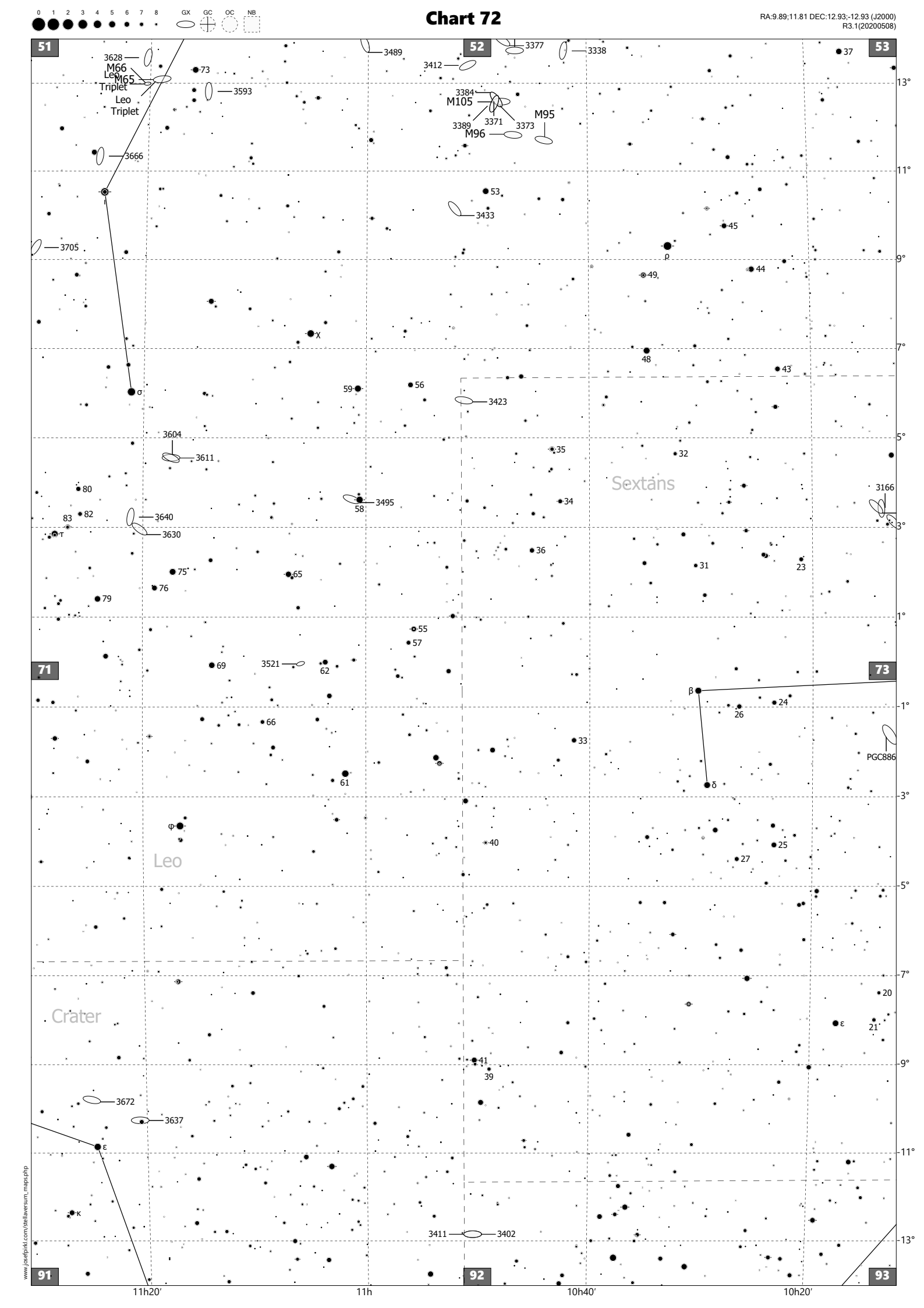

Chart 67
RA:15.99;17.91 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
46
47
48
66
68
86
87
88
Rasalhague
α
54
56
60
66
37
53
κ
29
ω
Hercules
43
47
33
21
6384
41
45
28
38
37
σ
Ophiuchus
19
Marfik
λ
14
21
16
σ
41
M12
12
6118
30
M10
6366
Yed Posterior
23
υ
ζ
20
Box
Nebula
v
6309
M107
13°
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
-13°
17h20′
17h
16h40′
16h20′
www.jsefpirkl.com/stellaversum_maps.php

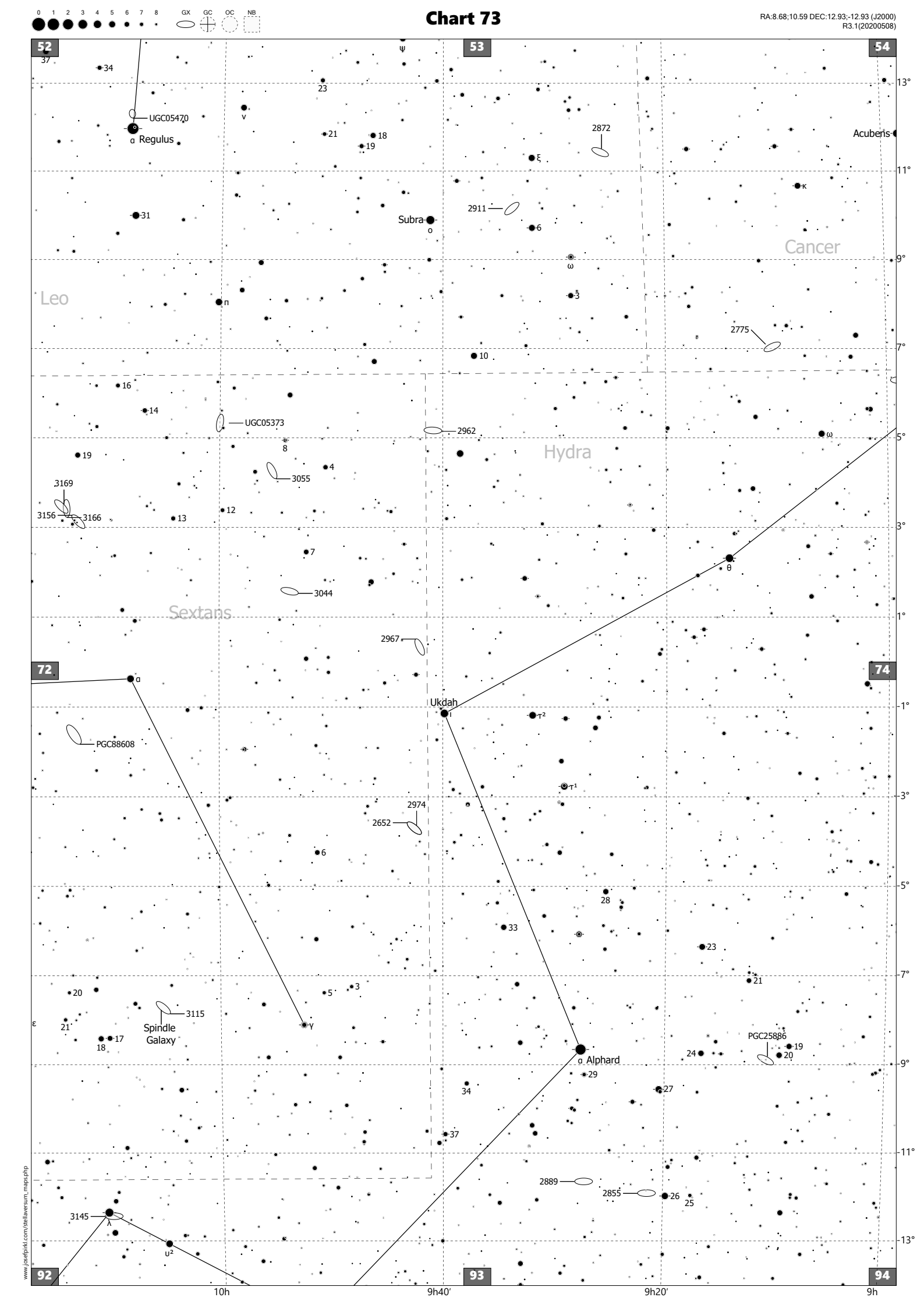

Chart 68
RA:14.77;16.69 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
47
48
49
67
69
87
88
89
White Eyed Pea Nebula
IC4593
Unukalhai
Serpens Caput
Libra
Yed Prior
Yed Posterior
Zubeneschemali
M5
Pal5
5970
5957
5921
5864
5838
5854
5850
5869
5885
5861
6070
6118
16h20′
16h
15h40′
15h20′
13°
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
-13°

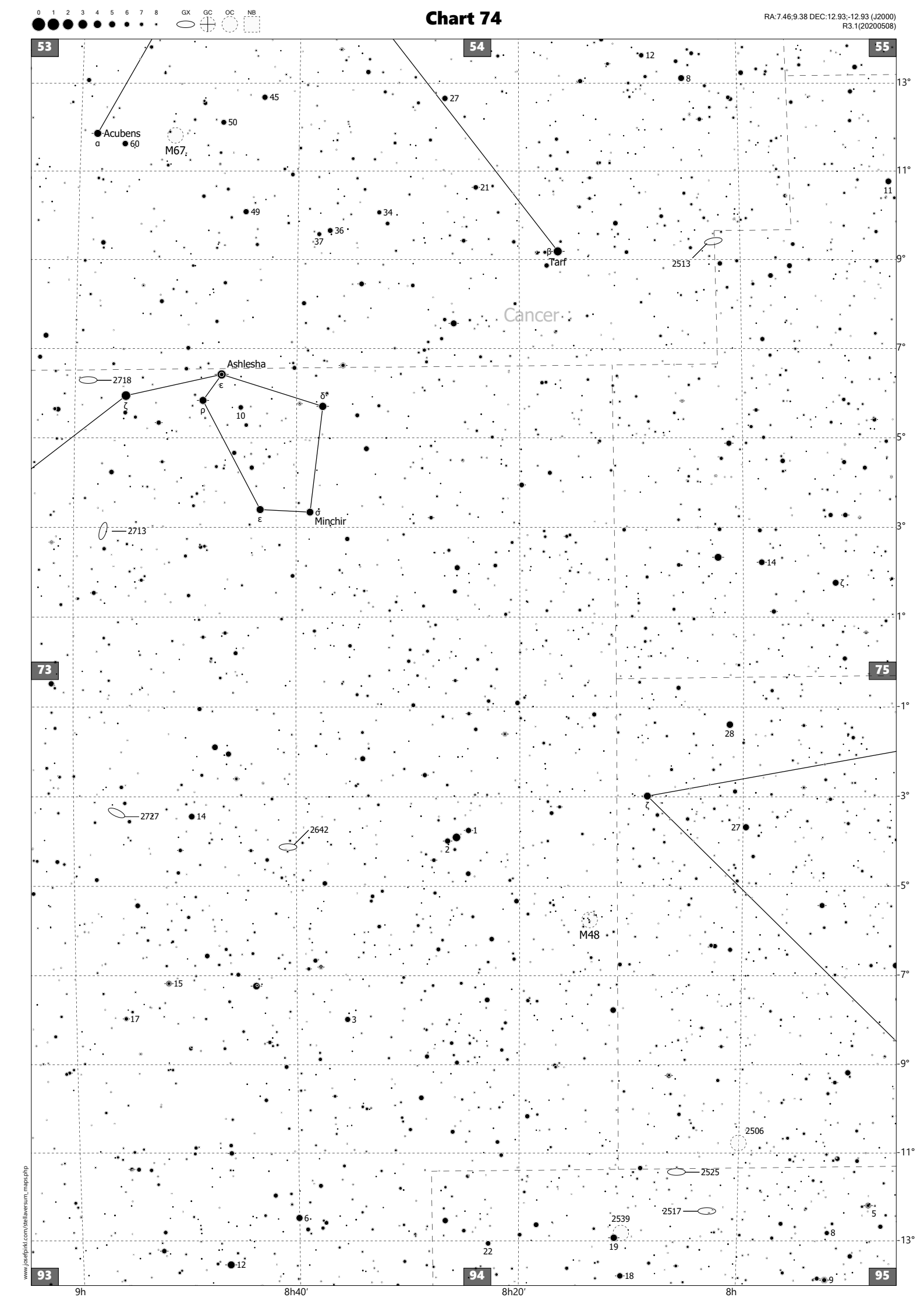

0 1 2 3 4 5 6 7 8
GX GC OC NB
Chart 69
RA:13.55;15.47 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
48
49
50
68
70
88
89
90
Boötes
Virgo
Elgafar
Syrma
Kang
Khambalia
5532
5669
5701
5668
5566
5775
5638
5576
5317
5363
5364
5864
5854
5838
5806
5813
5850
5846
5831
5869
5746
5740
5750
5713
5584
5334
5792
5493
5468
5427
5324
5634
5812
5861
15h
14h40′
14h20′
14h
www.josefpirkl.com/stellaversum_maps.php

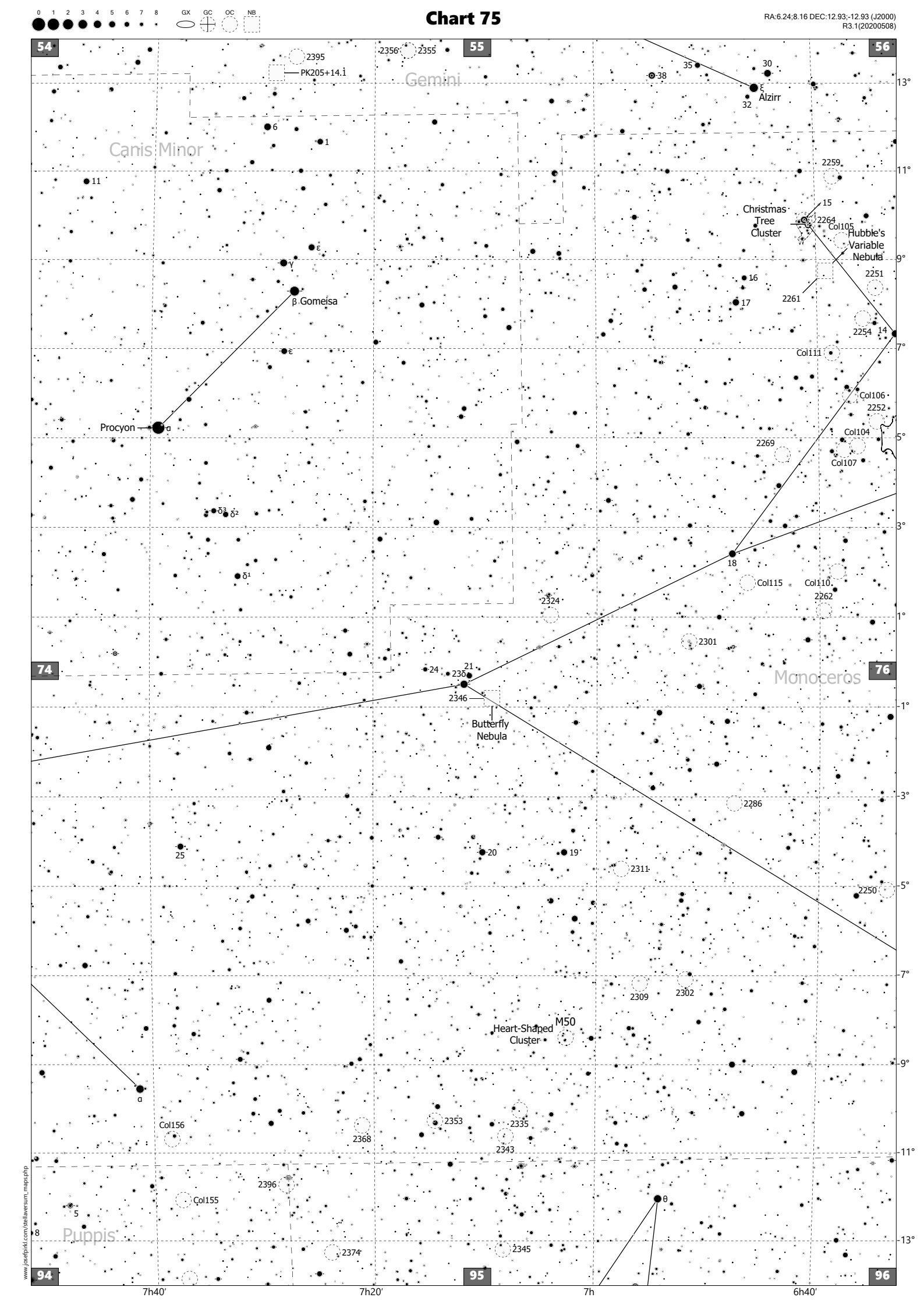

Chart 70
RA:12.33;14.25 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
49
50
51
69
71
89
90
91
Virgo
Corvus
Vindemiatrix
ε
Minelauva
δ
ζ Heze
Superwind-Galaxy
γ
Spica
α
M60
M59
M104
Sombrero Galaxy
13°
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
-13°
13h40′
13h20′
13h
12h40′
www.josefpirkl.com/stellaversum_maps.php

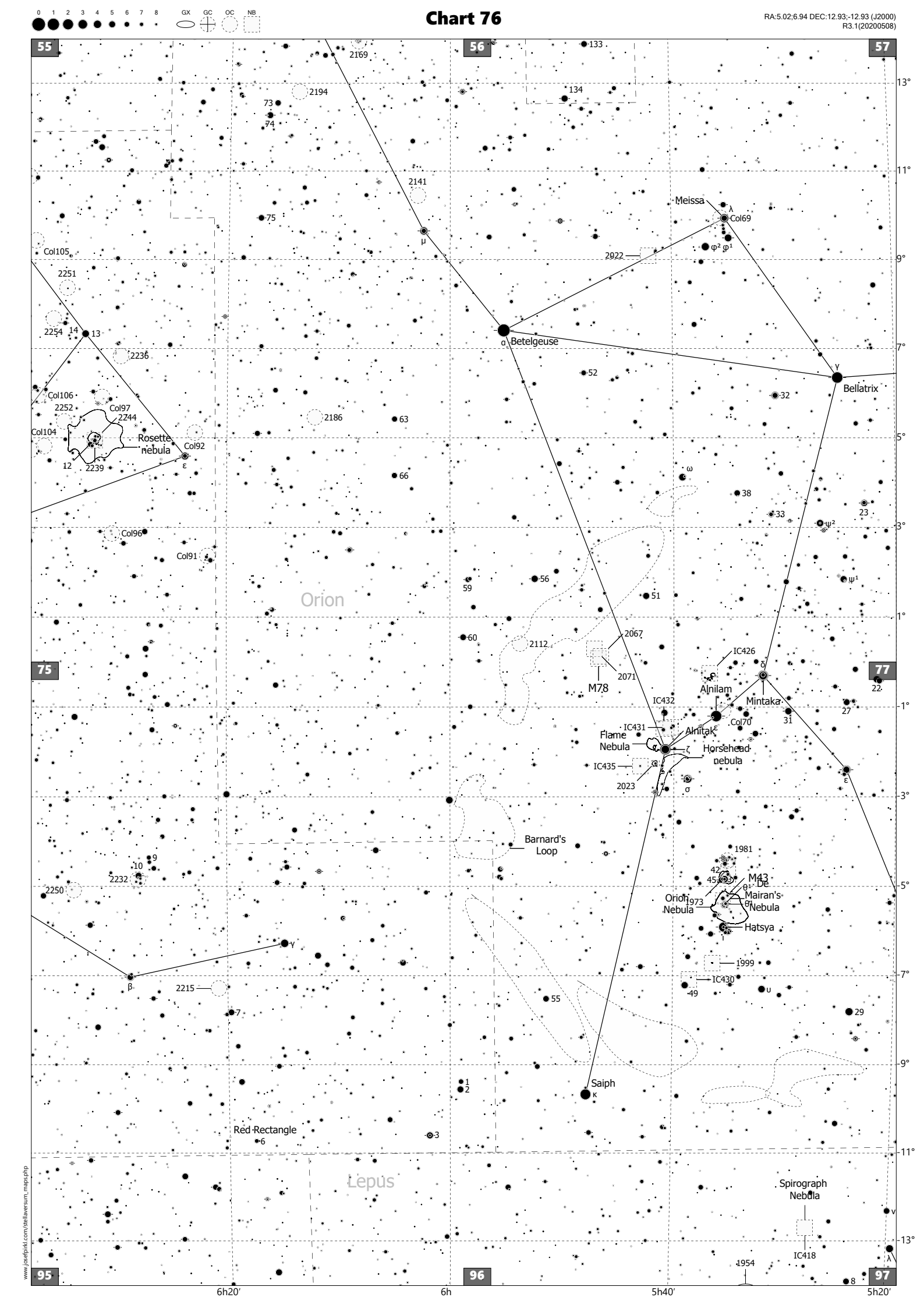

Chart 71
RA:11.11;13.03 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
50
51
52
70
72
90
91
92
Leo
Virgo
M90
M89
M58
M87
Siamese Twins
Siamese Twins
M84
M86
Virgo A
Markarian's Chain
The Eyes
Eyes
M49
Lost Galaxy
Lost Galaxy
M61
IC3011
Zavijava
Zaniah
Porrima
Sombrero Galaxy
M104
4639
4531
4477
4473
4459
4438
4461
4550
4606
4564
4551
4478
4435
4388
4371
4425
4407
4429
4313
4294
4660
4608
4568
4567
4503
4596
4380
4442
4578
4424
4417
4519
4469
4488
4535
4612
4526
4560
4570
4365
4233
4532
4430
4339
4260
4235
4261
4580
4378
4324
4273
4281
4586
4496
4457
4505
4527
4536
4409
4123
4116
4046
4045
4073
4179
4385
4517
4437
4592
4666
4454
4546
4602
4593
4504
4487
4672
3872
4189
4208
4216
4168
4267
3968
3810
3666
4178
4119
4124
3705
6
4
ξ
ω
π
3976
v
11
7
16
17
10
89
83
τ
β
ε
13
υ
4030
87
3818
14
21
28
χ
25
3962
3892
κ
θ
3672


0 1 2 3 4 5 6 7 8
GX GC OC NB
Chart 72
RA:9.89;11.81 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
51
52
53
71
73
91
92
93
3628
M66
Leo
M65
Triplet
Leo
Triplet
73
3593
3666
3705
3489
3412
3377
3338
37
3384
M105
3389
3371
3373
M95
M96
53
3433
45
ρ
49
44
χ
48
43
59
56
σ
3423
3604
3611
35
32
Sextans
80
3495
58
34
3166
83
82
3640
τ
3630
36
31
23
75
65
76
79
55
57
69
3521
62
β
24
26
66
33
PGC886
61
δ
φ
40
25
27
Leo
Crater
20
ε
21
41
39
3672
3637
ε
κ
3411
3402
11h20′
11h
10h40′
10h20′
1°
3°
5°
7°
9°
11°
13°
www.jsefpirkl.com/stellaversum_maps.php


Chart 73
RA:8.68;10.59 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
52
53
54
72
74
92
93
94
13°
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
-13°
10h
9h40′
9h20′
9h
Leo
Cancer
Hydra
Sextans
Regulus
Subra
Acubens
Ukdah
Alphard
Spindle Galaxy
UGC05470
UGC05373
PGC88608
PGC25886
2872
2911
2775
2962
3055
3169
3156
3166
3044
2967
2974
2652
3115
3145
2889
2855
www.jsefpirkl.com/stellaversum_maps.php


Chart 74
RA:7.46;9.38 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
53
54
55
73
75
93
94
95
Acubens
α
60
M67
45
50
27
12
8
13°
11°
21
49
34
36
37
β
Tarf
2513
11
9°
Cancer
7°
Ashlesha
2718
ζ
ε
ρ
10
δ
5°
ε
σ
Minchir
2713
3°
14
ζ
1°
28
1°
3°
2727
14
2642
1
2
27
5°
M48
7°
15
17
3
9°
2506
11°
2525
2517
5
2539
19
8
13°
22
6
12
18
9
9h
8h40′
8h20′
8h
www.josefpirkl.com/stellaversum_maps.php


Chart 75
RA:6.24;8.16 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
54
55
56
74
76
94
95
96
Gemini
Canis Minor
Monoceros
Puppis
Procyon
β Gomeisa
Alzirr
Christmas Tree Cluster
Hubble's Variable Nebula
Butterfly Nebula
Heart-Shaped Cluster
M50
PK205+14.1
2395
2356
2355
2259
2264
Col105
2251
2261
2254
Col111
Col106
2252
Col104
2269
Col107
Col115
Col110
2262
2324
2301
2346
2286
2311
2250
2309
2302
Col156
2368
2353
2335
2343
2396
Col155
2374
2345
7h40′
7h20′
7h
6h40′
13°
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
-13°
www.jsefpirkl.com/stellaversum_maps.php


Chart 76
RA:5.02;6.94 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
55
56
57
75
77
95
96
97
Betelgeuse
Bellatrix
Meissa
Col69
Col105
Col106
Col97
Col104
Col92
Col96
Col91
Rosette nebula
Orion
M78
Alnilam
Alnitak
Mintaka
IC426
IC432
IC431
IC435
Col70
Flame Nebula
Horsehead nebula
Barnard's Loop
M43
De Mairan's Nebula
Orion Nebula
Hatsya
Saiph
Red Rectangle
Lepus
Spirograph Nebula
IC418
IC430
2169
2194
2141
2022
2251
2254
2236
2252
2244
2186
2239
2067
2071
2112
2023
1981
1973
1999
2215
2250
2232
13°
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
-13°
6h20′
6h
5h40′
5h20′
www.jsefpirkl.com/stellaversum_maps.php

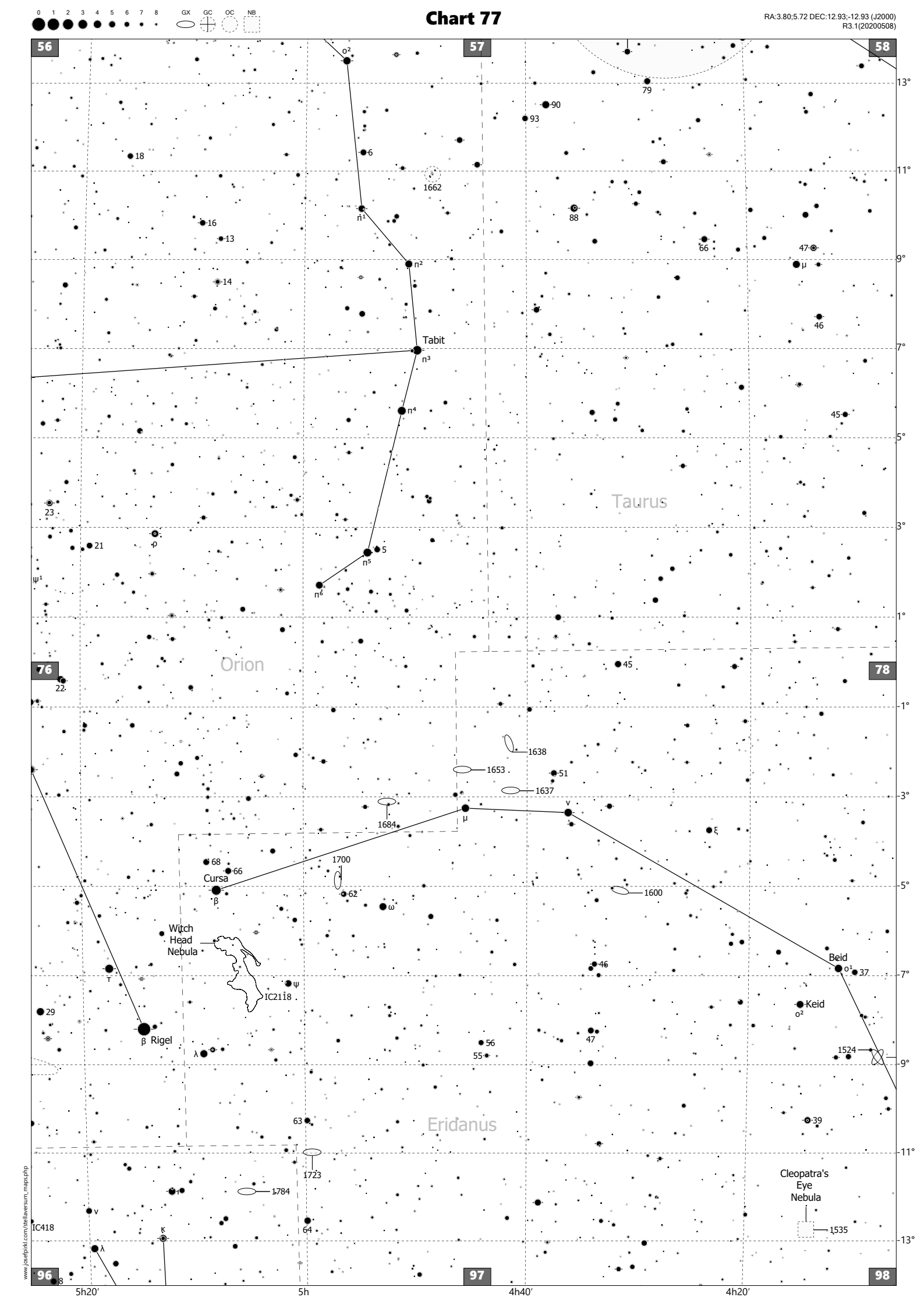
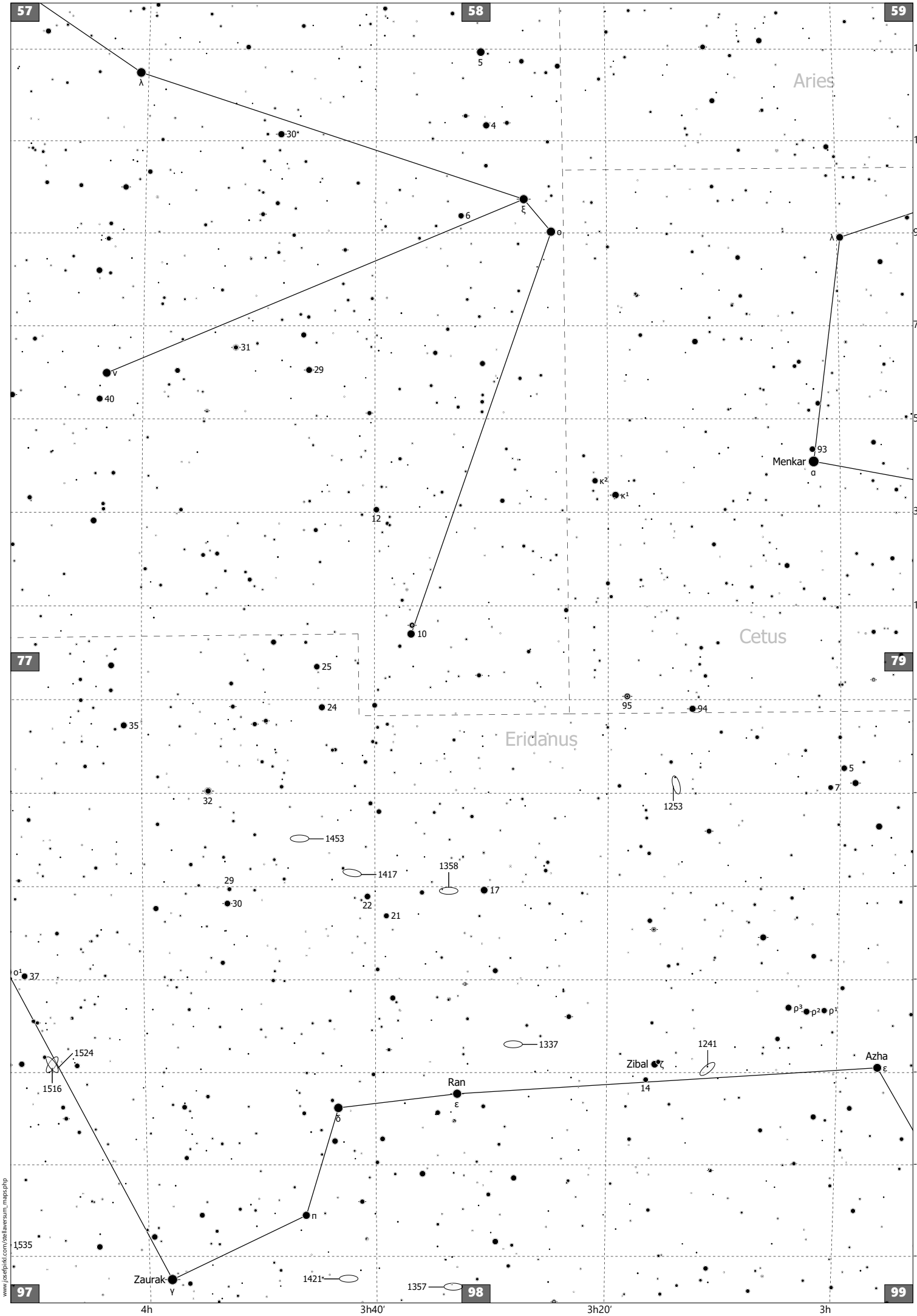

Chart 77
RA:3.80;5.72 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
56
57
58
76
78
96
97
98
Tabit
Taurus
Orion
Cursa
Witch Head Nebula
IC2118
β Rigel
Beid
Keid
Eridanus
IC418
Cleopatra's Eye Nebula
1662
1638
1653
1637
1684
1700
1600
1784
1723
1535
1524
5h20′
5h
4h40′
4h20′
www.jsetkpkd.com/stellaversum_maps.php

Chart 78

RA:2.58;4.50 DEC:12.93;-12.93 (J2000)
R3.1(20200508)



www.jsefpirkl.com/stellaversum_maps.php

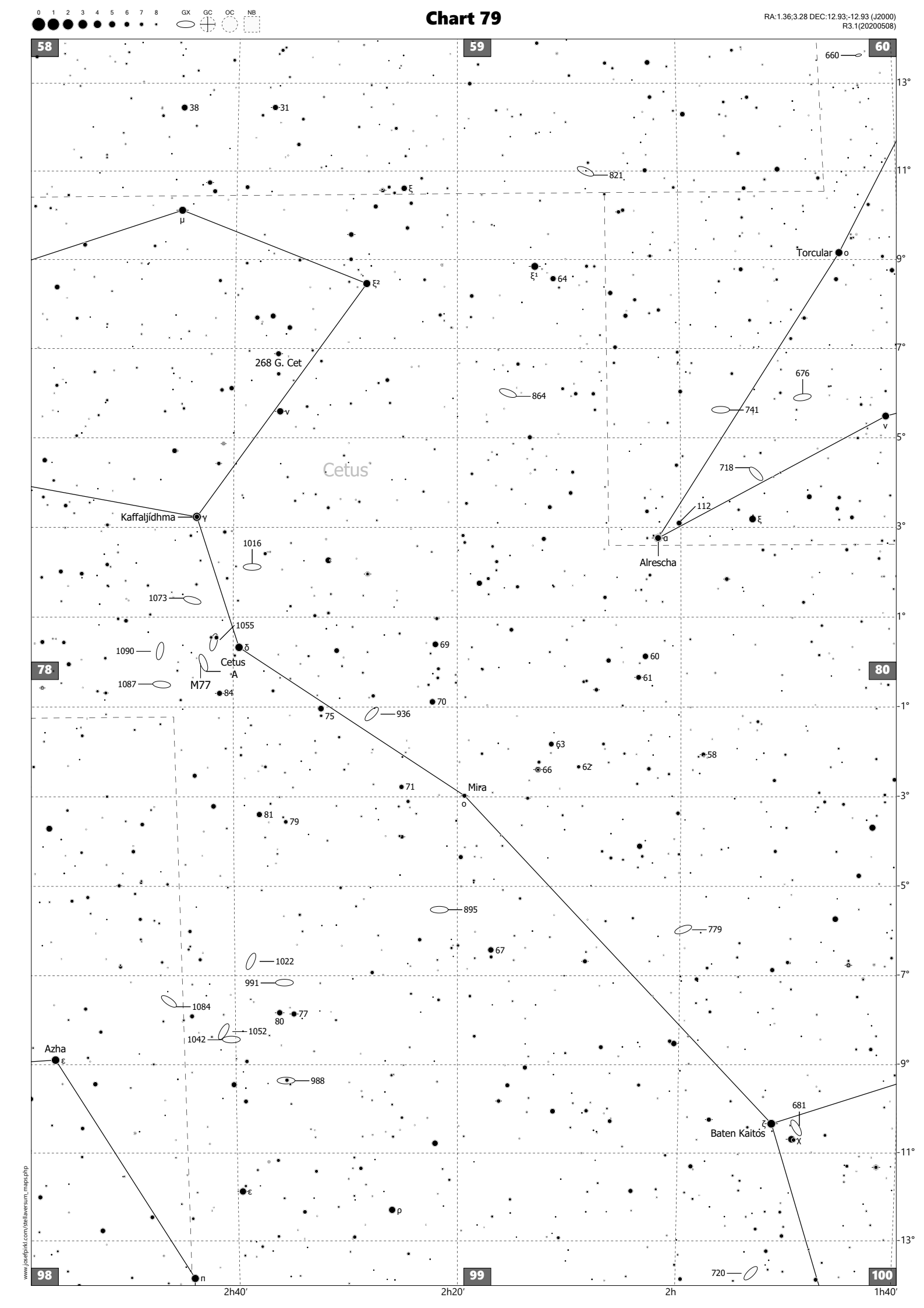
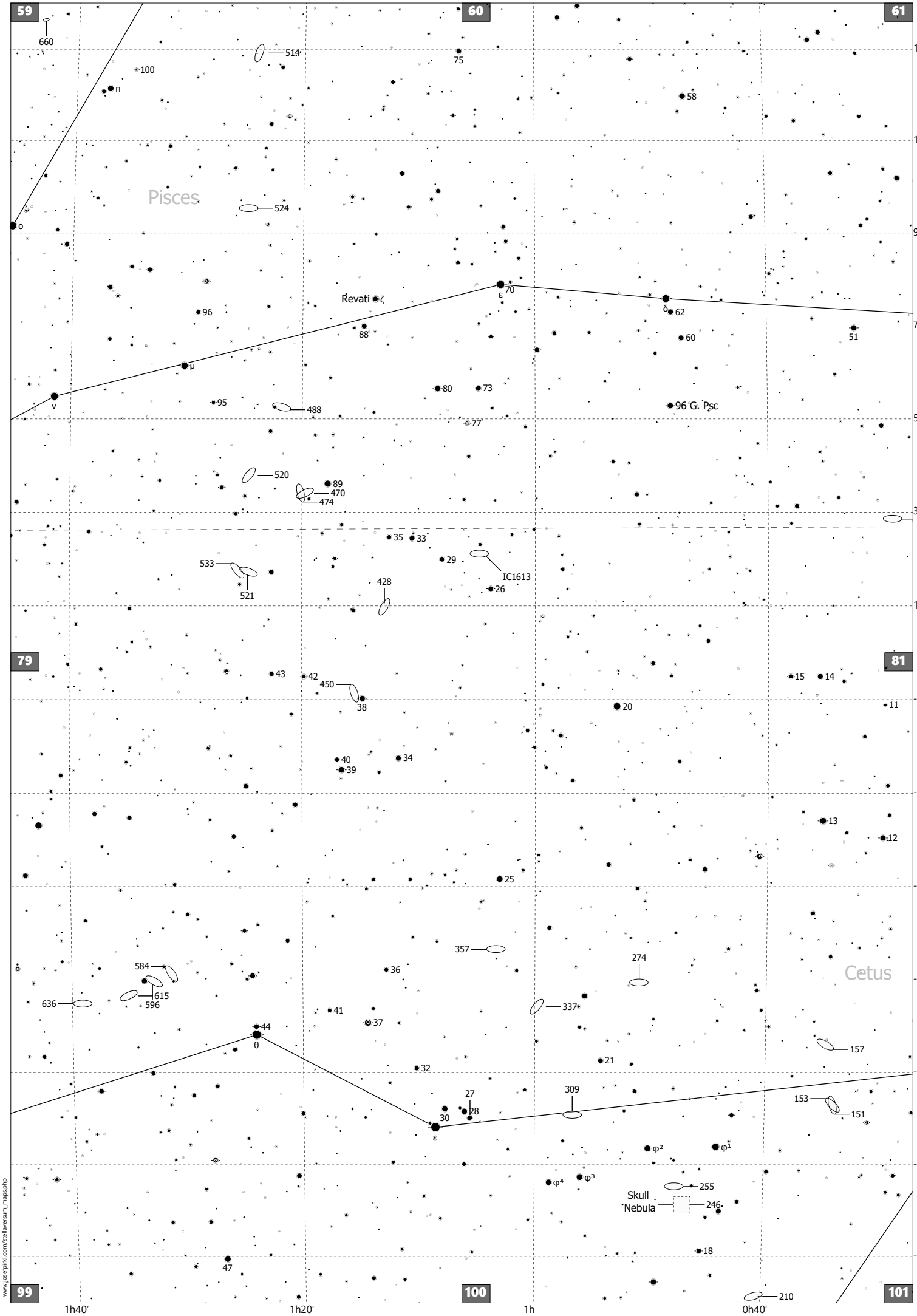

0 1 2 3 4 5 6 7 8
GX GC OC NB
Chart 79
RA:1.36;3.28 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
58
59
60
78
80
98
99
100
13°
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
-13°
2h40'
2h20'
2h
1h40'
Cetus
Kaffaljídhma
Alrescha
Torcular
Mira
Cetus A
M77
Azha
Baten Kaitos
268 G. Cet
660
821
38
31
64
676
741
718
112
1016
1073
1055
1090
1087
69
60
61
84
70
75
936
63
58
66
62
71
81
79
895
779
67
1022
991
1084
80
77
1042
1052
988
681
720

Chart 80

RA:0.15;2.06 DEC:12.93;-12.93 (J2000)
R3.1(20200508)



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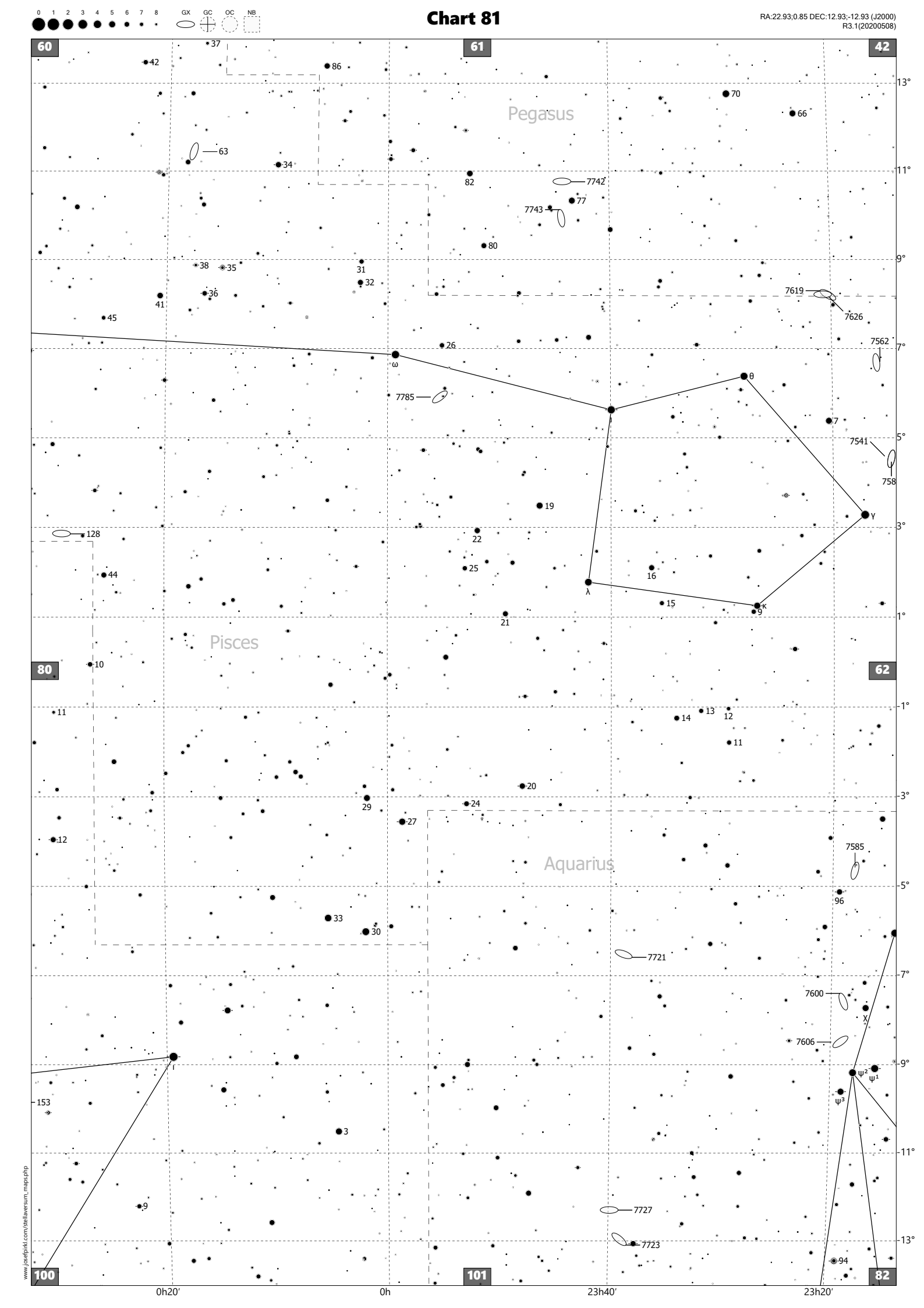

Chart 81
RA:22.93;0.85 DEC:12.93;-12.93 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
60
61
42
80
62
100
101
82
Pegasus
Pisces
Aquarius
ω
θ
γ
λ
κ
ι
ψ¹
ψ²
ψ³
χ
7785
7742
7743
7619
7626
7562
7541
758
7721
7600
7606
7727
7723
7585
0h20′
0h
23h40′
23h20′
13°
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
-13°
www.jsefpirkl.com/stellaversum_maps.php

Chart 82

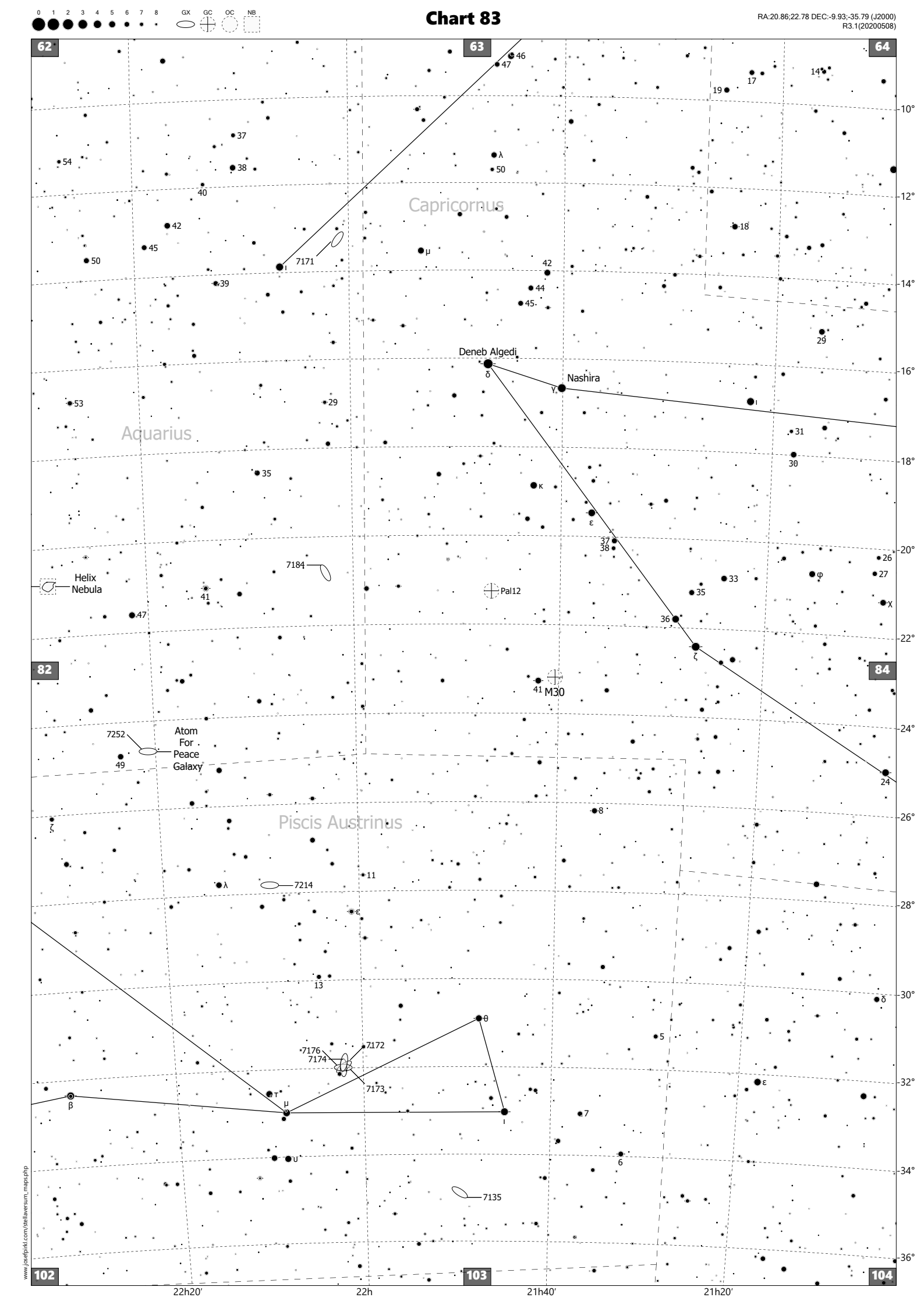
RA:22.08;0.00 DEC:-9.93;-35.79 (J2000)
R3.1(20200508)

ψ² ψ¹ ψ³ 64 65 70 7371 σ 58 54 74 75 7727 7723 94 τ² τ¹ 50 ω¹ ω² 7302 56 97 7492 Skat δ 77 53 61 104 106 103 66 68 98 99 101 100 88 υ 7293 Helix Nebula 47 7377

Aquarius 86 Atom For Peace Galaxy 49 20 7314 ζ ε Sculptor 7507 Fomalhaut α 21 19 7755 μ γ δ γ β π Lacaille 9352 IC1459 IC5332 7484

10° 12° 14° 16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36°

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Chart 83
RA:20.86;22.78 DEC:-9.93;-35.79 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
62
63
64
82
84
102
103
104
Capricornus
Aquarius
Piscis Austrinus
Deneb Algedi
Nashira
Helix Nebula
Pal12
M30
Atom For Peace Galaxy
7171
7184
7214
7252
7135
7172
7173
7174
7176
22h20'
22h
21h40'
21h20'
www.jsefpirkl.com/stellaversum_maps.php

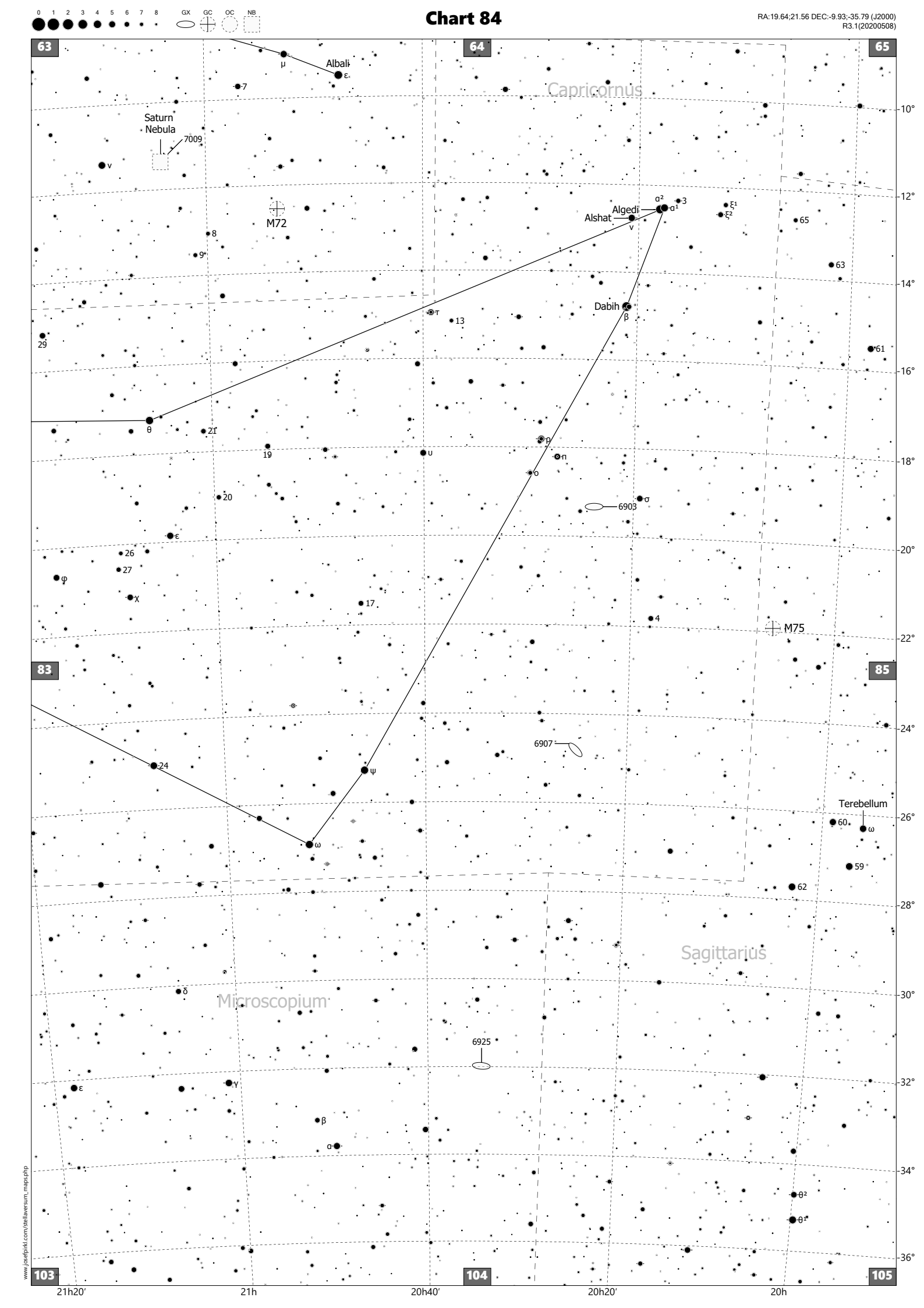

Chart 84
RA:19.64;21.56 DEC:-9.93;-35.79 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
63
64
65
83
85
103
104
105
Capricornus
Sagittarius
Microscopium
Albali
Saturn Nebula
7009
M72
Algedi
Alshat
Dabih
M75
6903
6907
6925
Terebellum
21h20′
21h
20h40′
20h20′
20h
10°
12°
14°
16°
18°
20°
22°
24°
26°
28°
30°
32°
34°
36°
www.jsefpirkl.com/stellaversum_maps.php

Chart 85

RA:18.43;20.34 DEC:-9.93;-35.79 (J2000)
R3.1(20200508)

64 65 66

84 86

104 105 106

Aquila

Scutum

Sagittarius

Albaldah

Ainalrami

Nunki

Ascella

Terebellum

Little Gem

Barnard's Galaxy

M26 M54 M55 M70

6712 6716 6717 6723 6814 6818 6822 IC4895 Col394 PK3-14.1 IC4776 Ter7

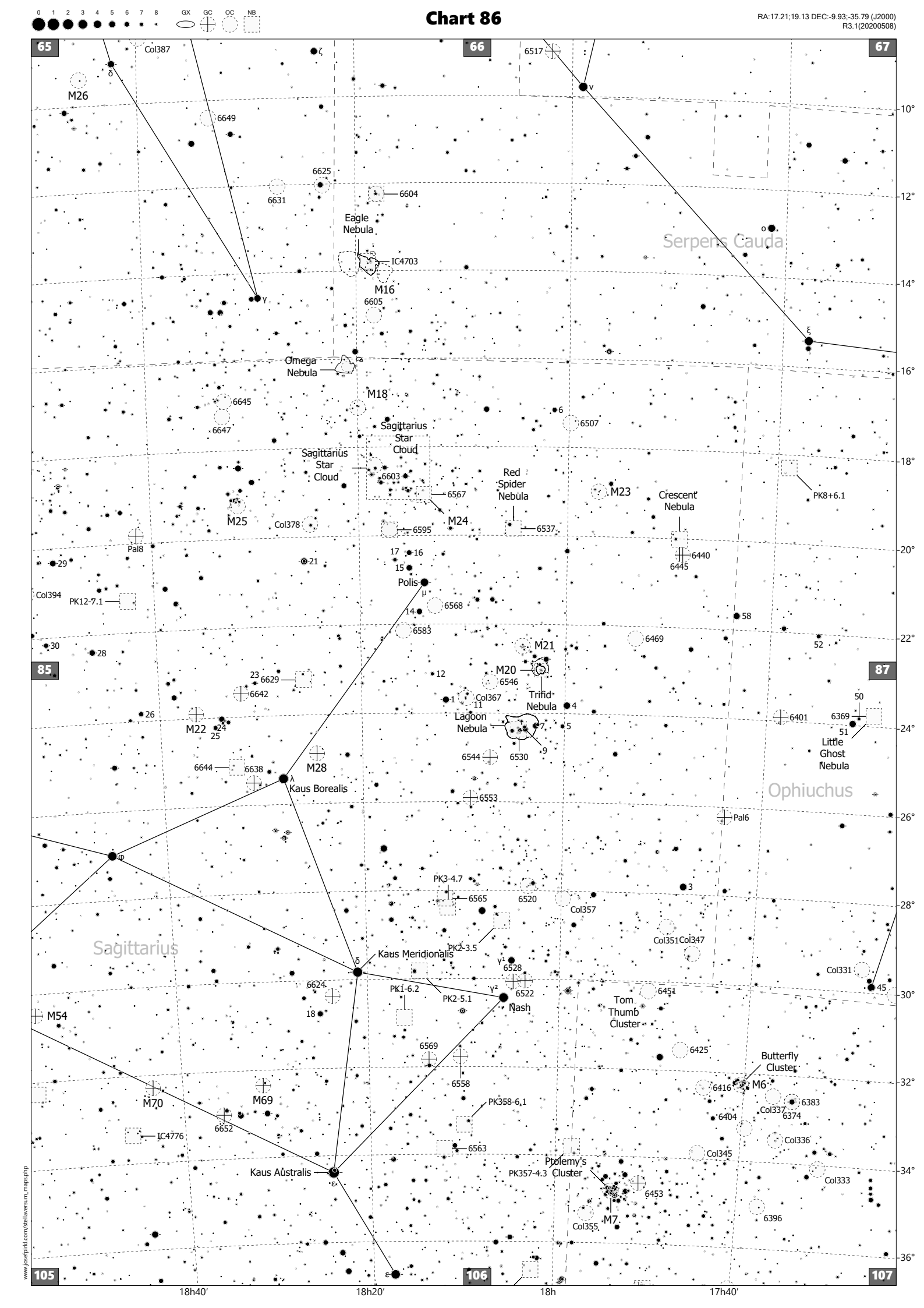
56 37 51 63 61 55 54 57 56 50 53 51 52 60 59 62 43 33 31 30 29 28 26

ρ¹ ρ² σ χ³ χ² χ¹ ψ ω θ² θ¹ ξ¹ ξ² τ φ

10° 12° 14° 16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36°

20h 19h40′ 19h20′ 19h 18h40′

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Chart 86
RA:17.21;19.13 DEC:-9.93;-35.79 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
65
66
67
85
87
105
106
107
Col387
M26
6649
6625
6631
6604
Eagle Nebula
IC4703
M16
6605
Serpens Cauda
Omega Nebula
M18
6645
6647
Sagittarius Star Cloud
6603
6567
M24
M25
Col378
6595
Red Spider Nebula
6537
M23
Crescent Nebula
6440
6445
PK8+6.1
6507
Pal8
Polis
6568
6583
Col394
PK12-7.1
M21
M20
6546
Trifid Nebula
Lagoon Nebula
Col367
6530
6544
6401
6369
Little Ghost Nebula
6629
6642
M22
6644
6638
M28
Kaus Borealis
6553
Ophiuchus
Pal6
Sagittarius
PK3-4.7
6565
6520
Col357
PK2-3.5
Kaus Meridionalis
6528
6522
Nash
PK1-6.2
PK2-5.1
6624
Col351
Col347
Col331
6451
Tom Thumb Cluster
M54
6569
6558
6425
Butterfly Cluster
M6
6416
6383
Col337
6374
6404
M70
M69
6652
IC4776
PK358-6.1
6563
Col336
Col345
Ptolemy's Cluster
PK357-4.3
Col333
6453
M7
Col355
6396
Kaus Australis
10°
12°
14°
16°
18°
20°
22°
24°
26°
28°
30°
32°
34°
36°
18h40′
18h20′
18h
17h40′
www.jsefpirkl.com/stellaversum_maps.php

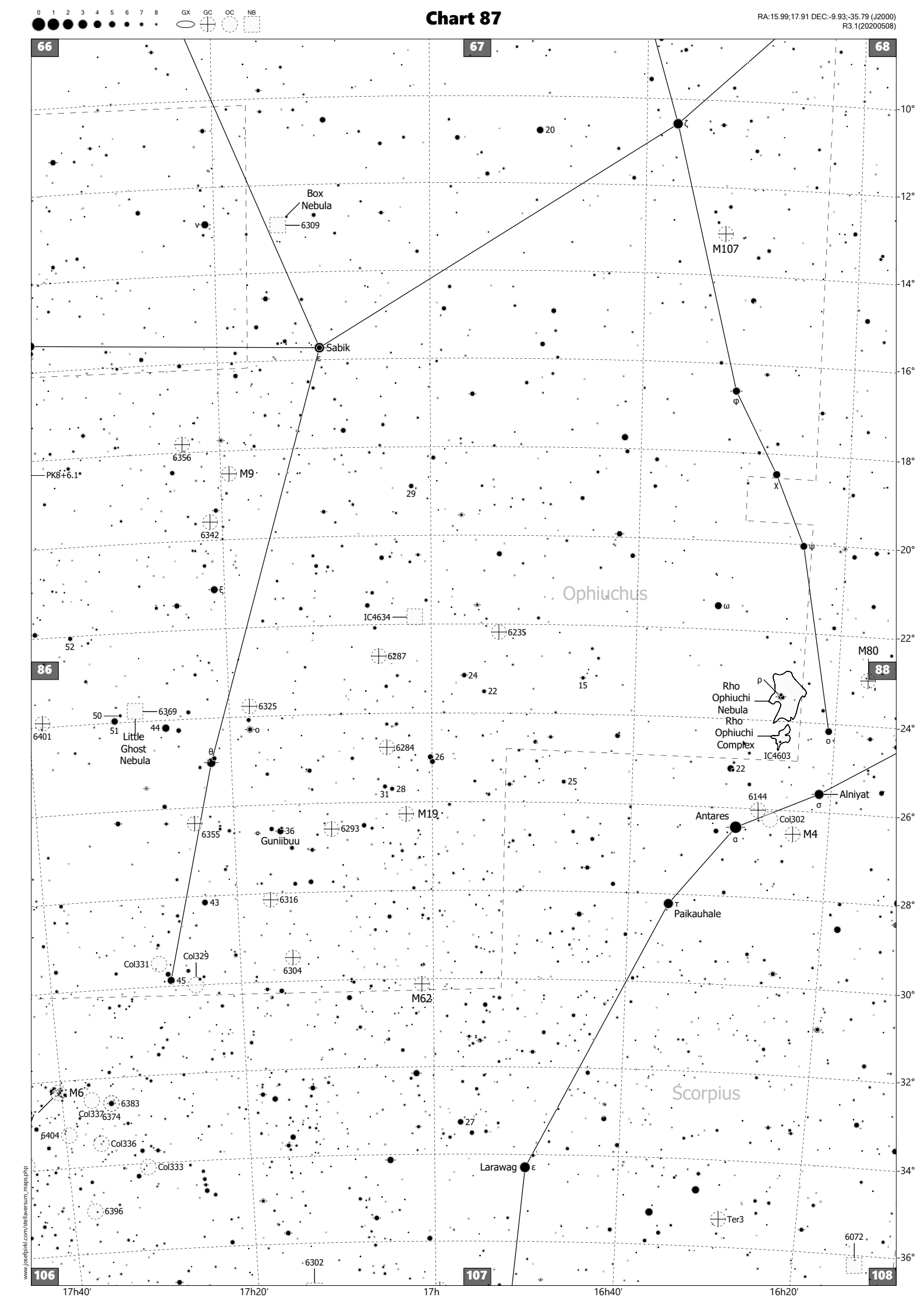
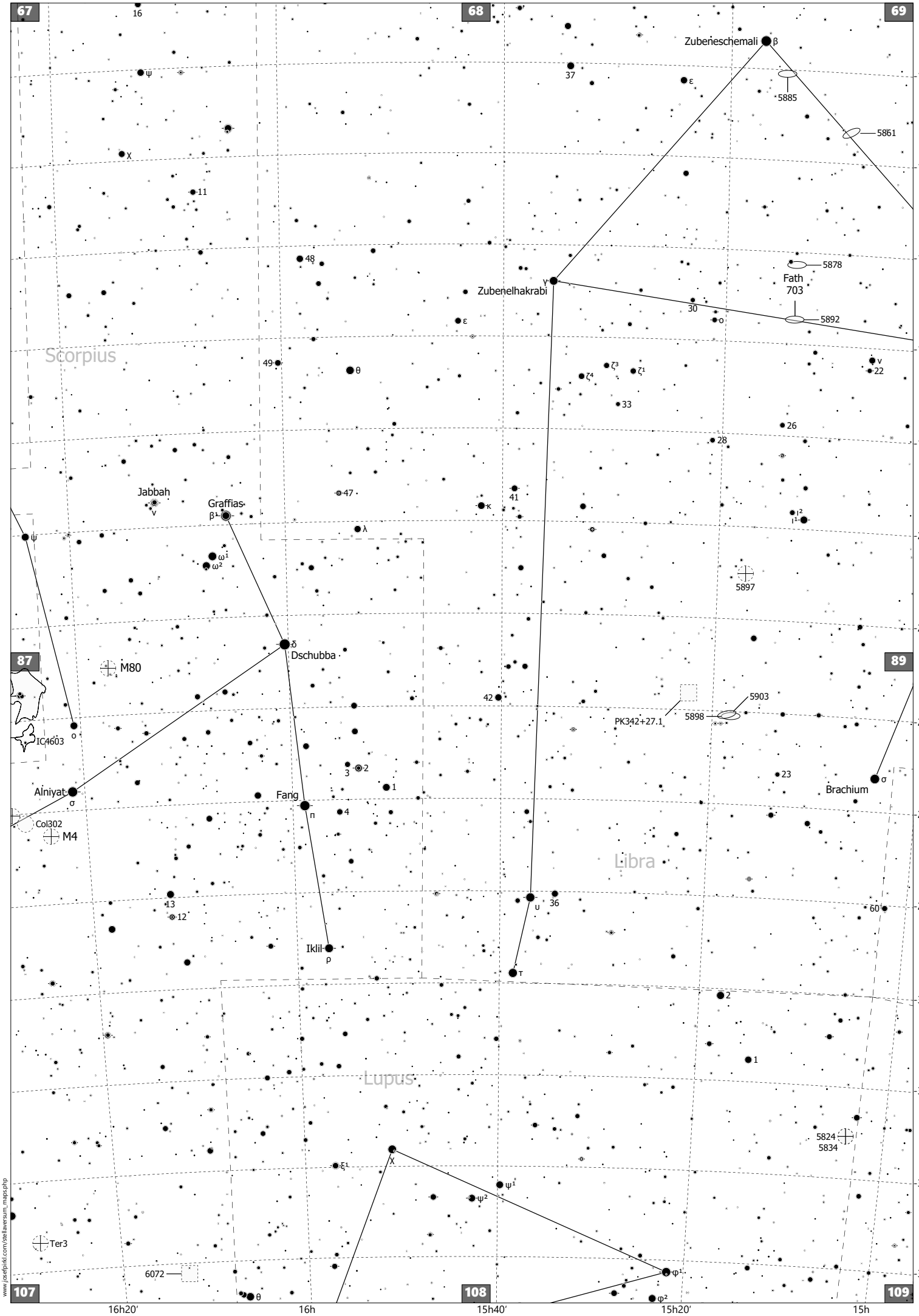
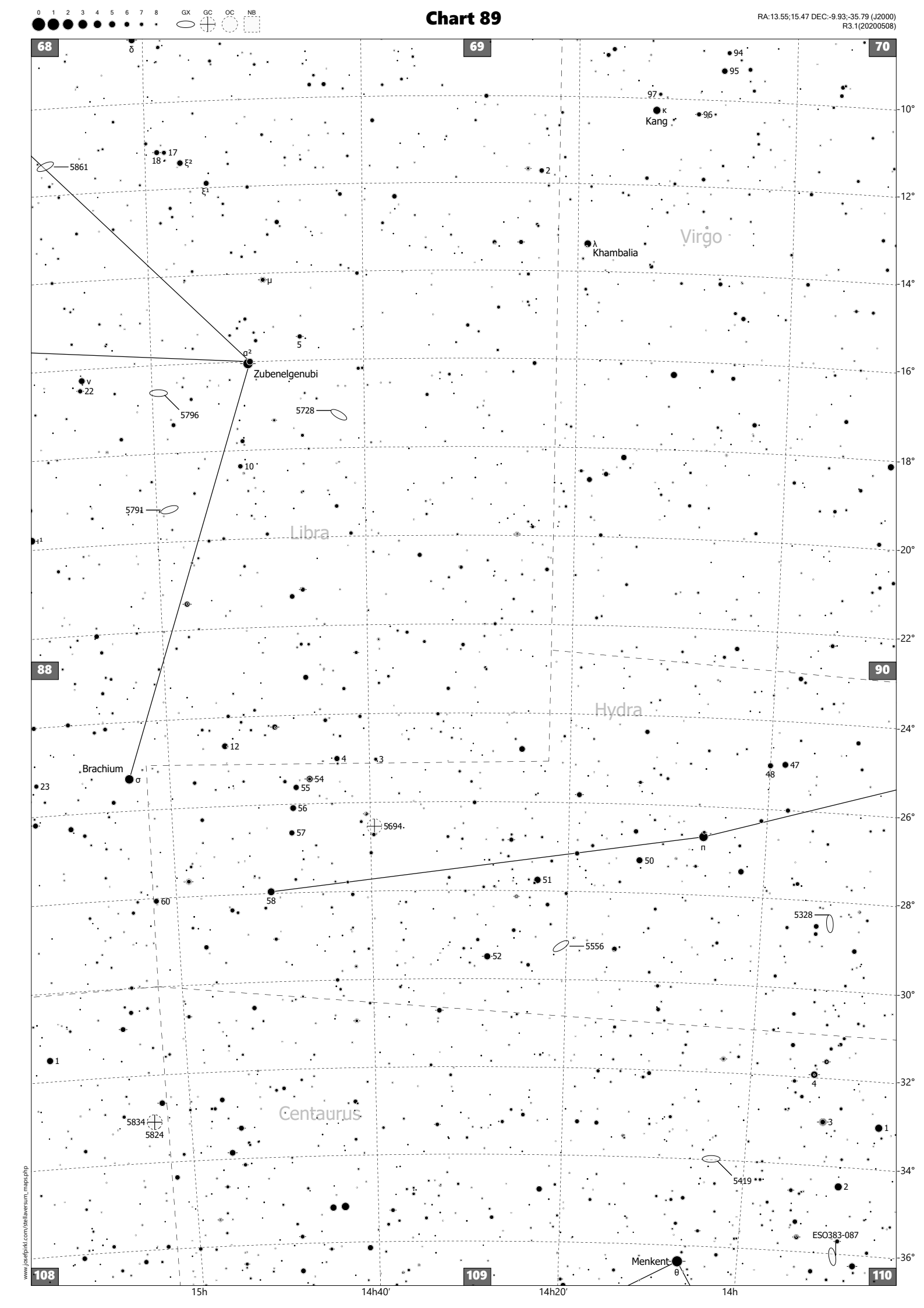

Chart 87
RA:15.99;17.91 DEC:-9.93;-35.79 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
66
67
68
86
88
106
107
108
Box Nebula
6309
M107
Sabik
6356
PK8+6.1
M9
6342
IC4634
6235
6287
Ophiuchus
M80
Rho Ophiuchi Nebula
Rho Ophiuchi Complex
IC4603
6369
6401
Little Ghost Nebula
6325
6284
M19
6355
Guniibuu
6293
Antares
6144
Col302
M4
Alniyat
Paikauhale
6316
Col331
Col329
6304
M62
M6
6383
Col337
6374
6404
Col336
Col333
6396
Scorpius
Larawag
Ter3
6072
6302
10°
12°
14°
16°
18°
20°
22°
24°
26°
28°
30°
32°
34°
36°
17h40′
17h20′
17h
16h40′
16h20′
www.jsefpirkl.com/stellaversum_maps.php

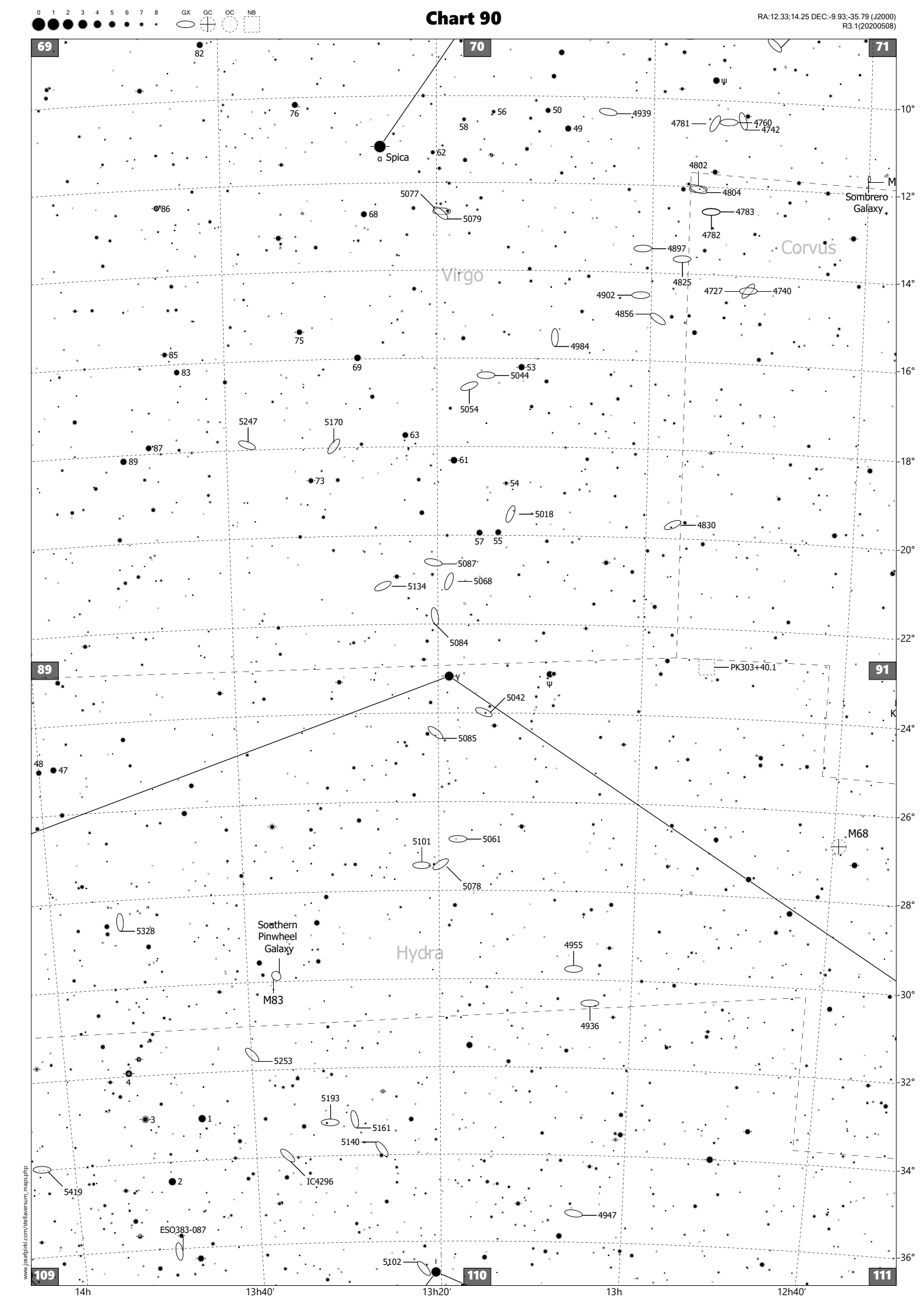
Chart 88

RA:14.77;16.69 DEC:-9.93;-35.79 (J2000)
R3.1(20200508)



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Chart 89
RA:13.55;15.47 DEC:-9.93;-35.79 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
68
69
70
88
90
108
109
110
Kang
Khambalia
Virgo
Zubenelgenubi
Brachium
Libra
Hydra
Centaurus
5861
5796
5728
5791
5694
5328
5556
5834
5824
5419
ESO383-087
Menkent
10°
12°
14°
16°
18°
20°
22°
24°
26°
28°
30°
32°
34°
36°
15h
14h40′
14h20′
14h
www.jsefpirkl.com/stellaversum_maps.php


Chart 90
RA:12.33;14.25 DEC:-9.93;-35.79 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
69
70
71
89
91
109
110
111
α Spica
Virgo
Corvus
Hydra
Sombrero Galaxy
Southern Pinwheel Galaxy
M83
M68
PK303+40.1
IC4296
ESO383-087
82
76
56
50
58
49
62
4939
4781
4760
4742
4802
4804
4783
4782
5077
5079
86
68
4897
4825
4727
4740
4902
4856
4984
75
85
83
69
53
5044
5054
5247
5170
63
87
89
61
73
54
5018
4830
57
55
5087
5134
5068
5084
γ
ψ
5042
5085
48
47
5101
5061
5078
5328
4955
4936
5253
4
3
1
5193
5161
5140
5419
2
4947
5102
14h
13h40′
13h20′
13h
12h40′
10°
12°
14°
16°
18°
20°
22°
24°
26°
28°
30°
32°
34°
36°
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