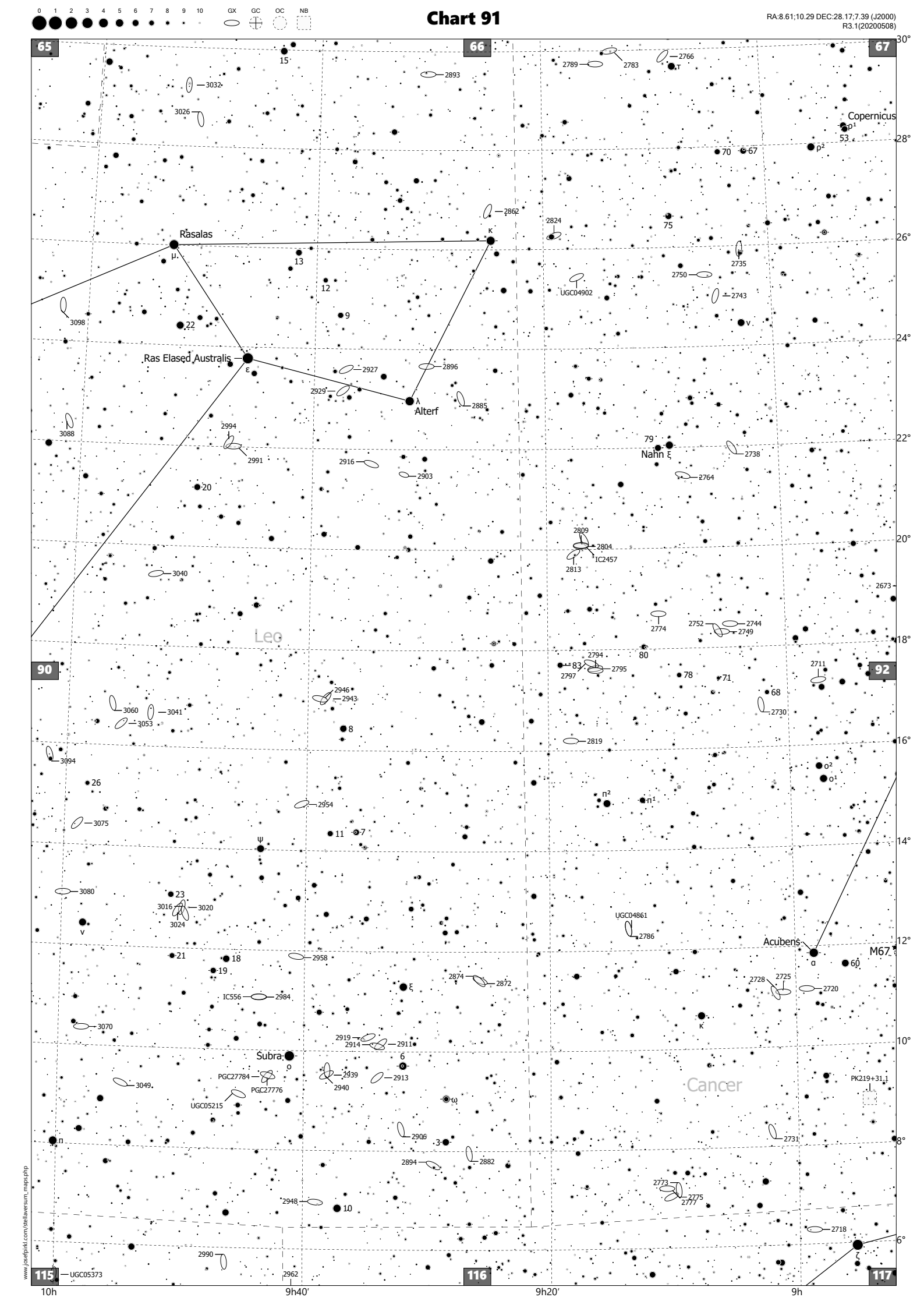
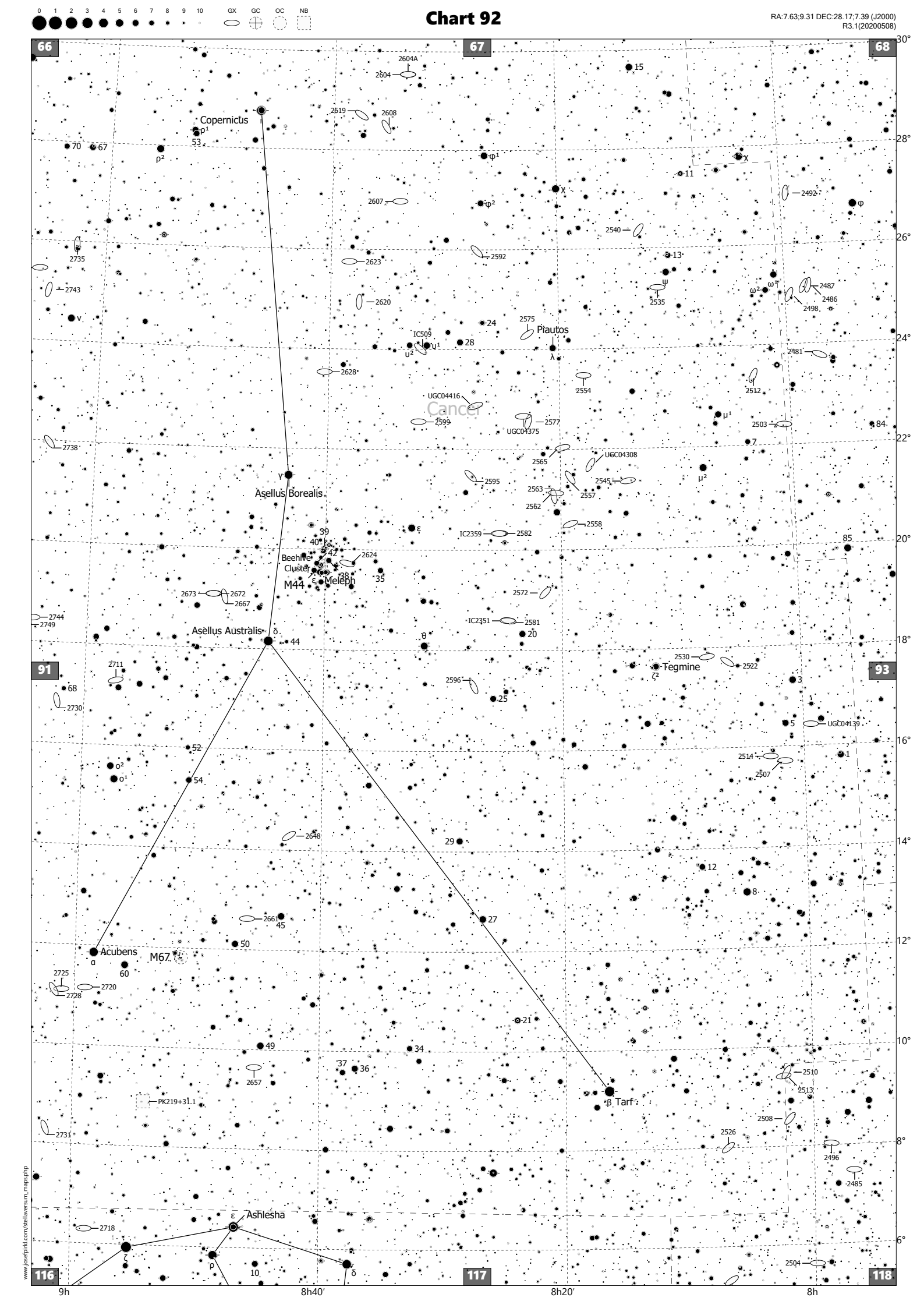
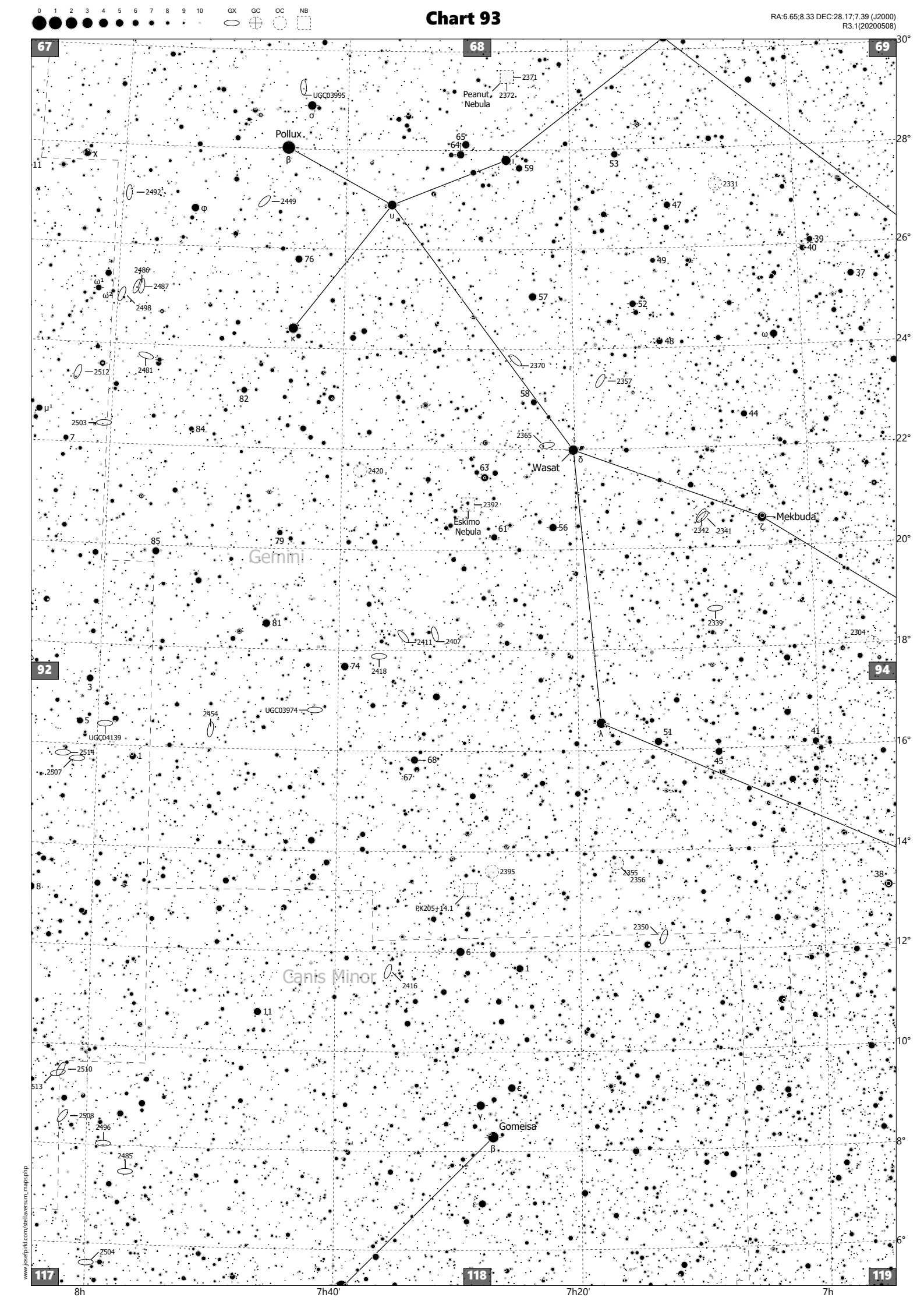

Chart 91
RA:8.61;10.29 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
65
66
67
90
92
115
116
117
Rasalas
Ras Elased Australis
Alterf
Nahn ξ
Leo
Cancer
Copernicus
Acubens
M67
Subra
UGC04902
UGC04861
UGC05215
UGC05373
IC2457
IC556
PGC27784
PGC27776
PK219+31.1
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
10h
9h40′
9h20′
9h
www.jsefpirkl.com/stellaversum_maps.php


Chart 92
RA:7.63;9.31 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
66
67
68
91
93
116
117
118
Copernicus
Asellus Borealis
Asellus Australis
Beehive Cluster
M44
Meleph
Piautos
Tegmine
Acubens
M67
β Tarf
Ashlesha
Cancer
IC509
UGC04416
UGC04375
UGC04308
UGC04139
PK219+31.1
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
9h
8h40'
8h20'
8h
www.jsefpirkl.com/stellaversum_maps.php


Chart 93
RA:6.65;8.33 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
67
68
69
92
94
117
118
119
Pollux
β
Peanut Nebula
UGC03995
σ
υ
κ
Wasat
δ
Mekbuda
ζ
Eskimo Nebula
Gemini
Canis Minor
UGC03974
UGC04139
RK205+14.1
Gomeisa
β
ε
γ
χ
φ
ω¹
ω²
μ¹
λ
2371
2372
2492
2449
2486
2487
2498
2512
2481
2503
2420
2392
2365
2370
2357
2331
2342
2341
2339
2304
2411
2407
2418
2454
2514
2507
2395
2355
2356
2350
2416
2510
2508
2496
2485
Z504
65
64
59
53
47
39
40
49
37
76
57
52
48
58
44
82
84
63
61
56
85
79
81
74
3
5
1
68
67
51
41
45
38
8
6
1
11
513
7
ω
2h
6h
10h
14h
18h
22°
20°
18°
16°
14°
12°
10°
8°
6°
8h
7h40′
7h20′
7h
www.jsefpirkl.com/stellaversum_maps.php

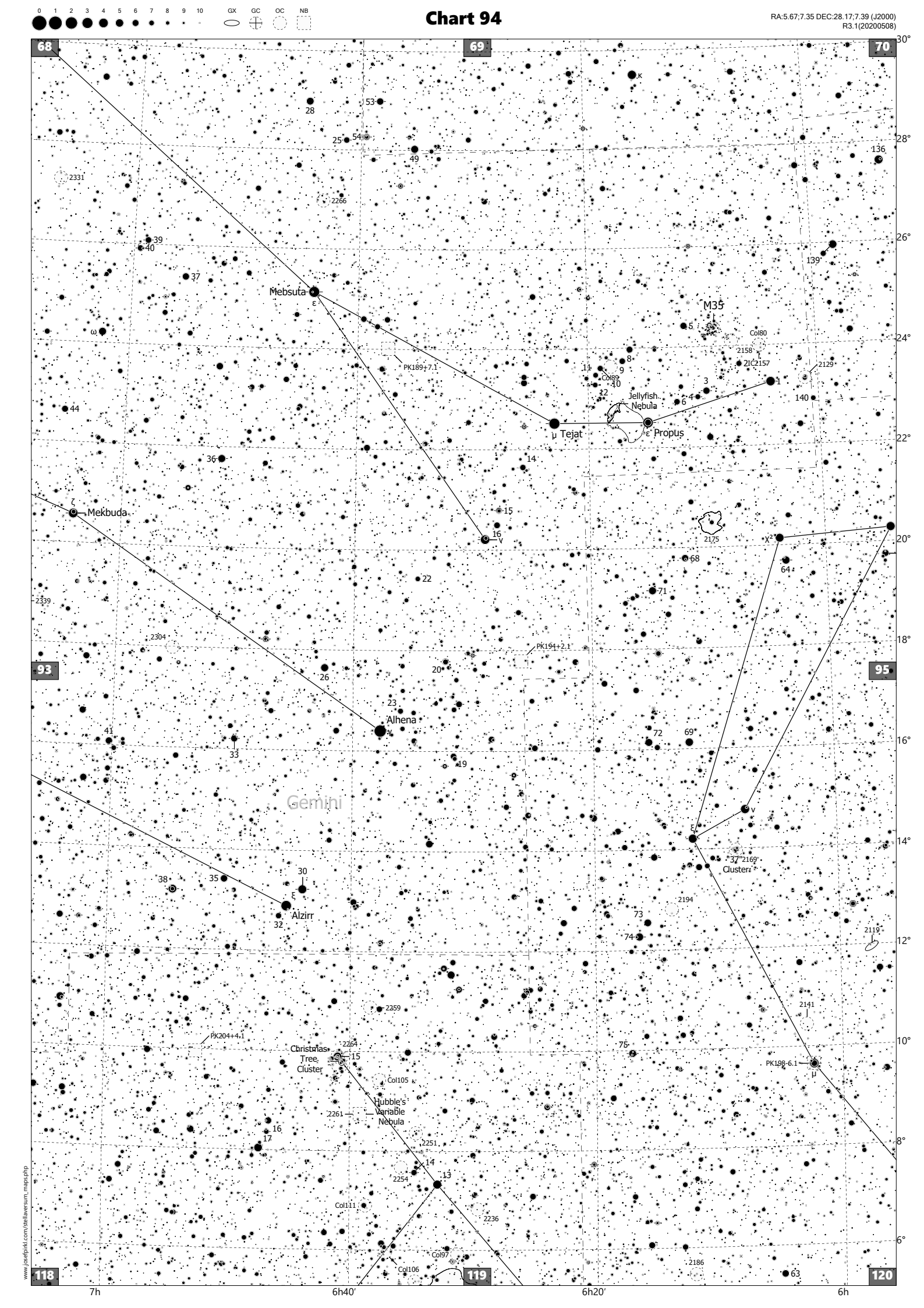
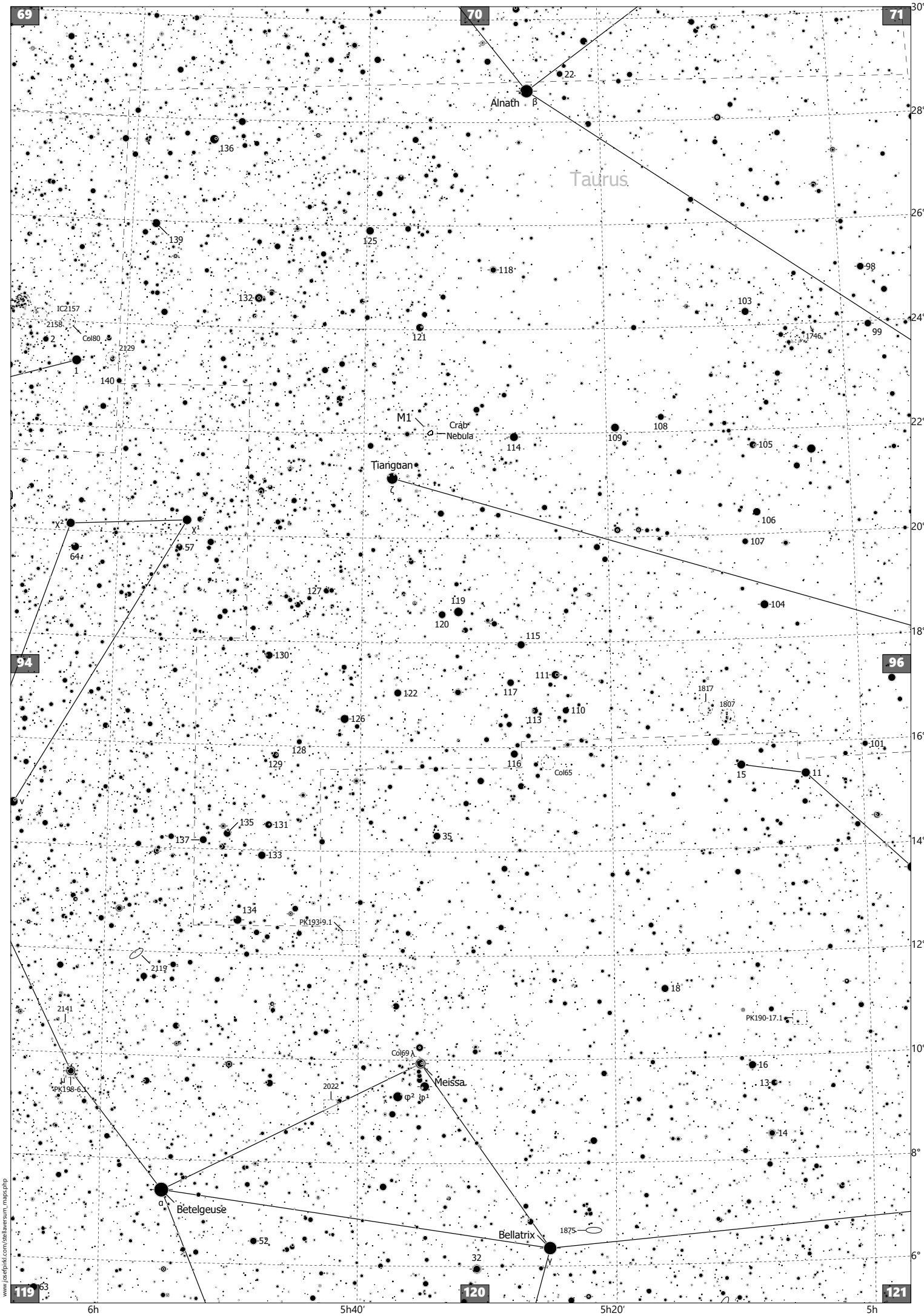
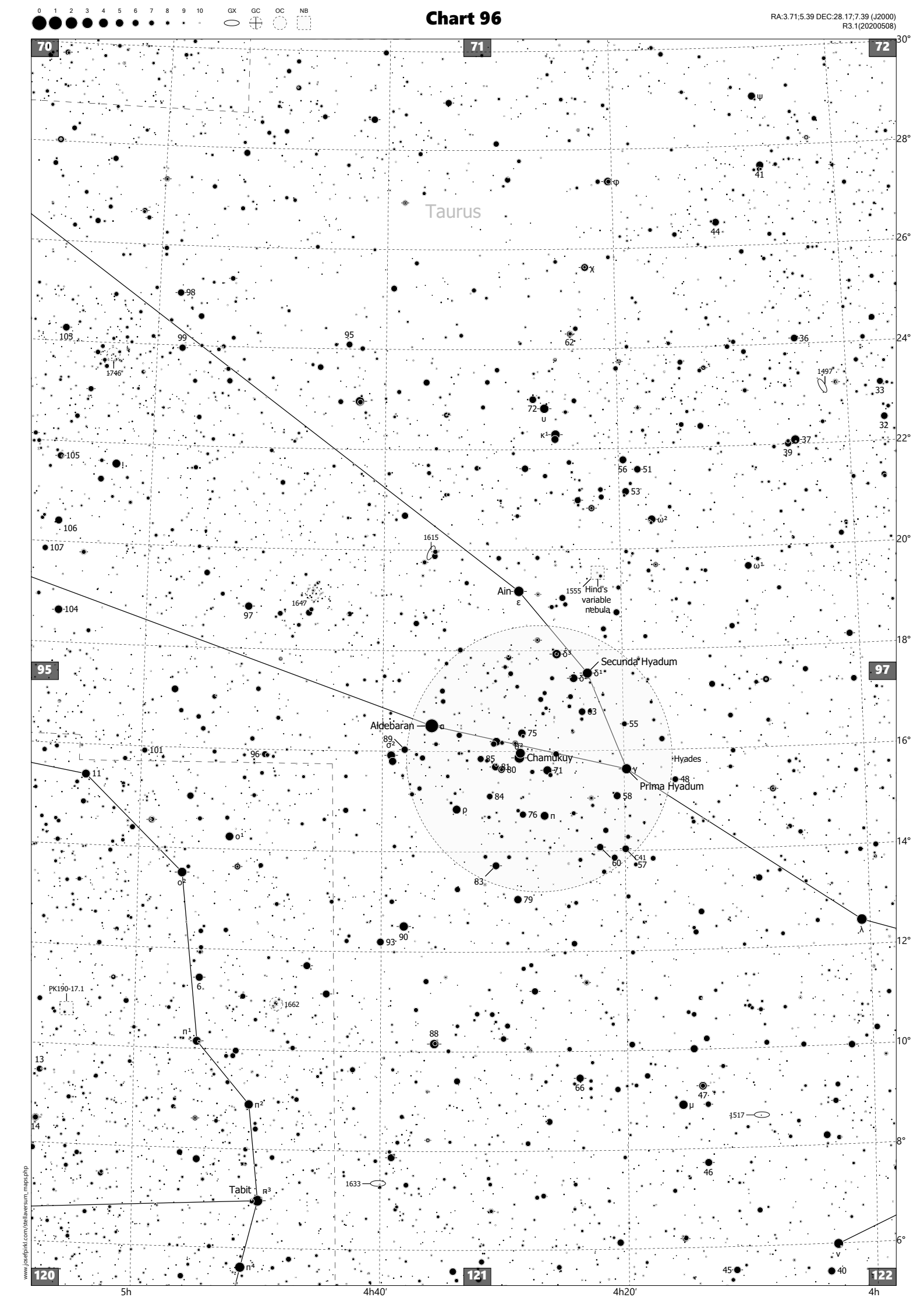

0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
Chart 94
RA:5.67;7.35 DEC:28.17;7.39 (J2000)
R3.1(20200508)
68
69
70
93
95
118
119
120
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
7h
6h40'
6h20'
6h
Mebsuta
ε
Mekbuda
ζ
Alhena
γ
Tejat
μ
Propus
ε
M35
Col80
2158
IC2157
2129
Col89
Jellyfish Nebula
PK189+7.1
PK194+2.1
PK204+4.1
PK198-6.1
2175
χ²
ν
ξ
37
2169
Cluster
Alzirr
Gemini
Christmas Tree Cluster
Col105
Hubble's Variable Nebula
Col111
Col97
Col106
2331
2266
2339
2304
2259
2264
2261
2251
2254
2236
2194
2141
2119
2186
136
139
140
63
64
68
71
72
69
73
74
75
www.jsefpirkl.com/stellaversum_maps.php

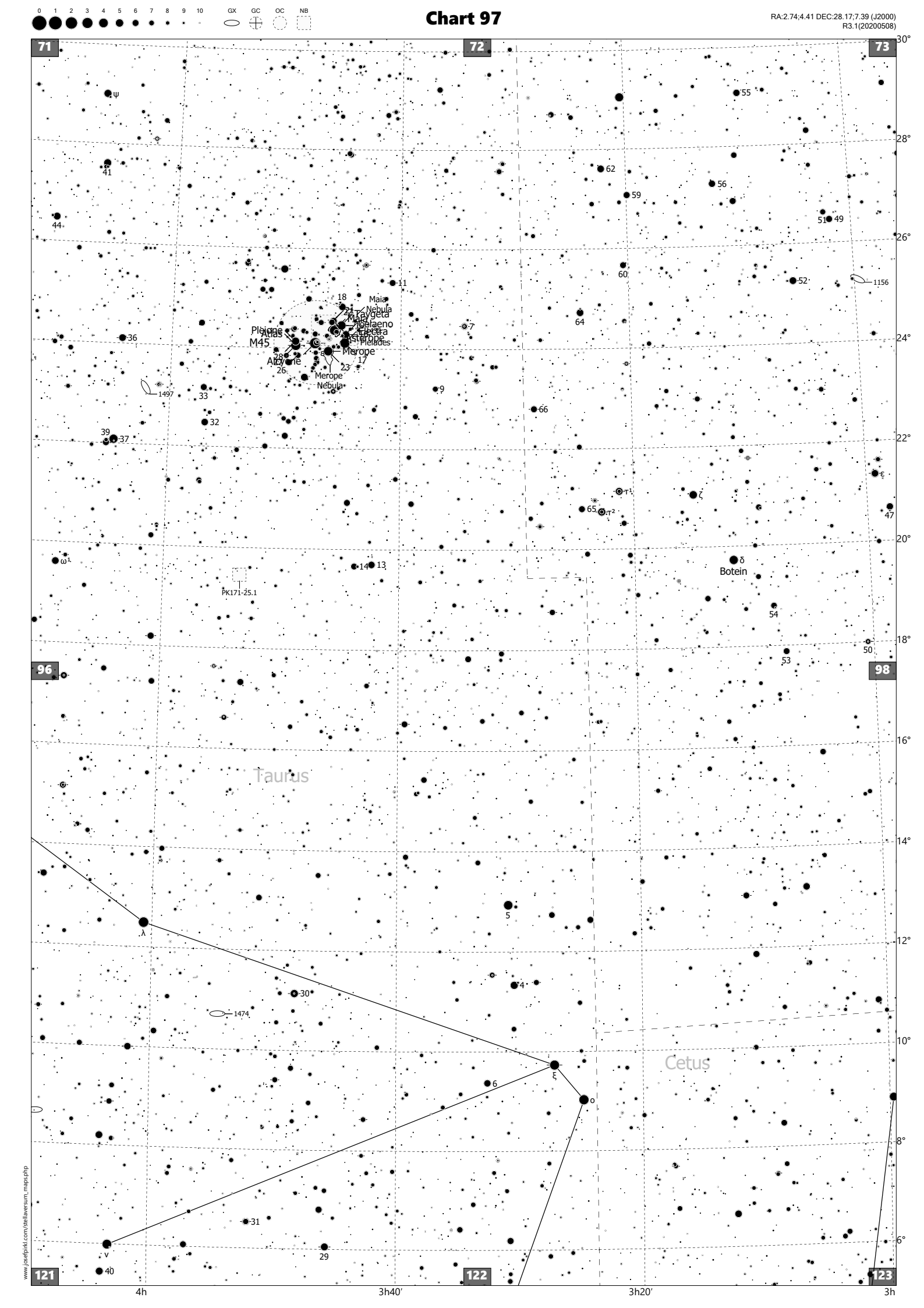
Chart 95

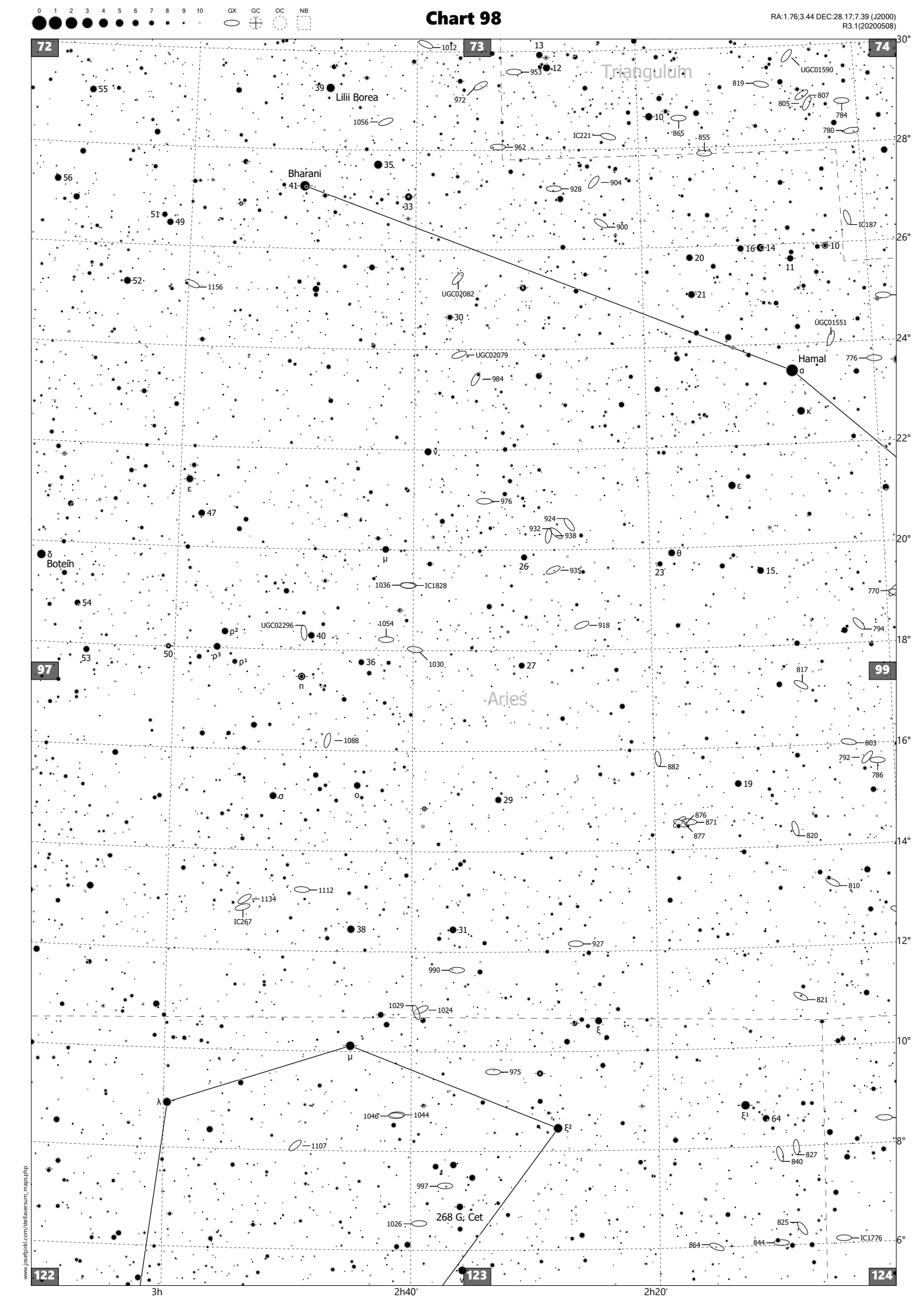
RA:4.69;6.37 DEC:28.17;7.39 (J2000)
R3.1(20200508)

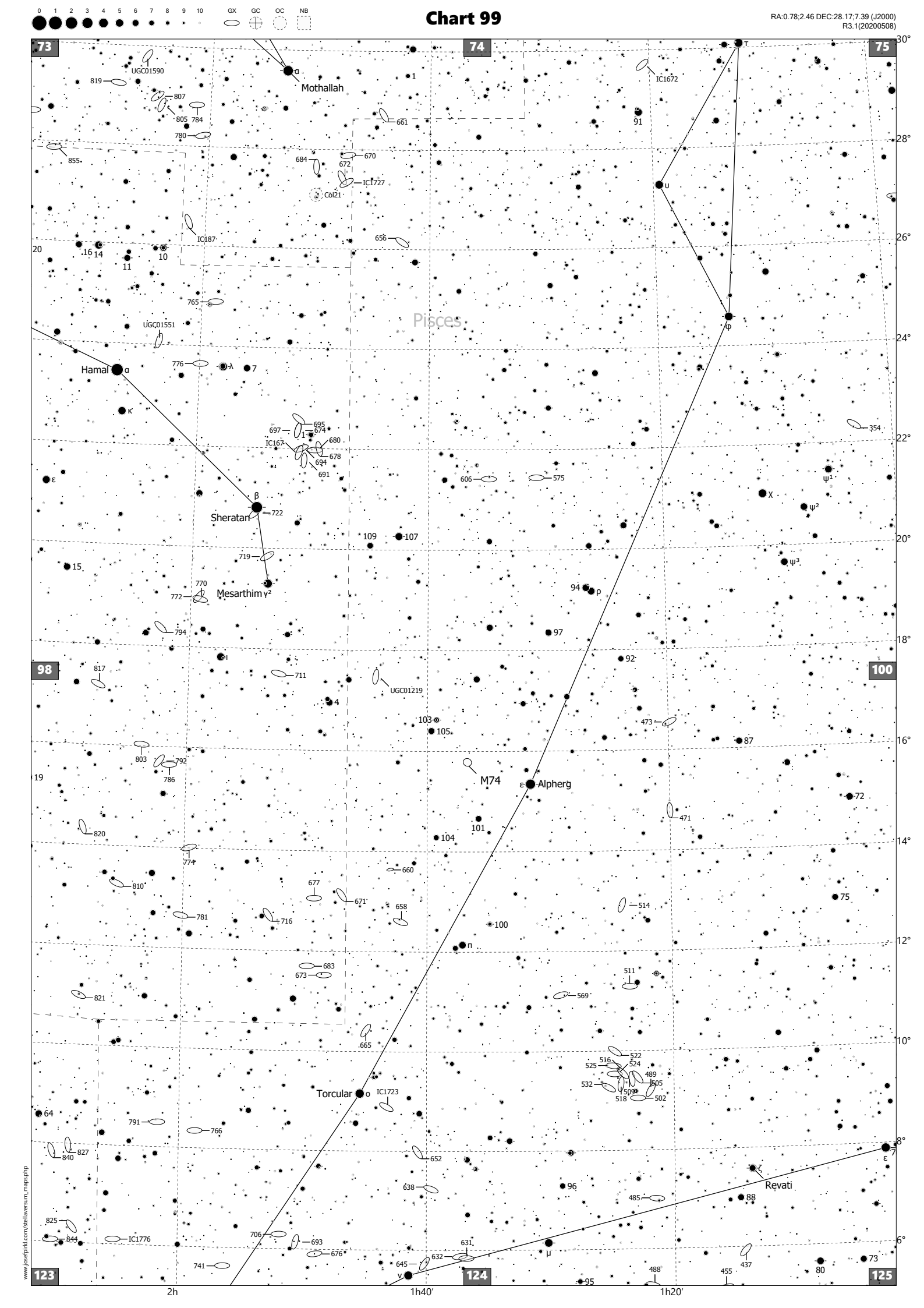


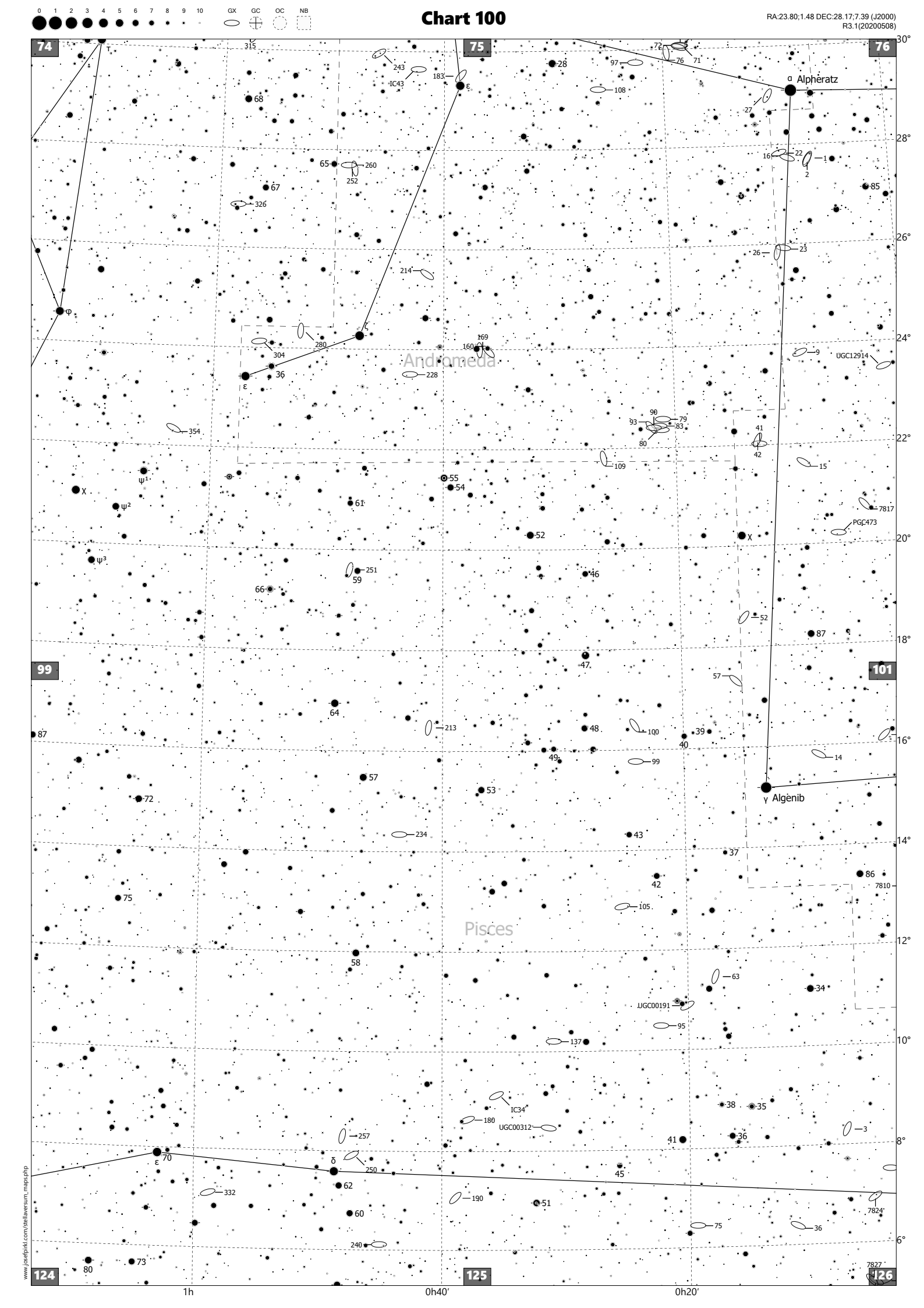
www.jsefpirkl.com/stellaversum_maps.php

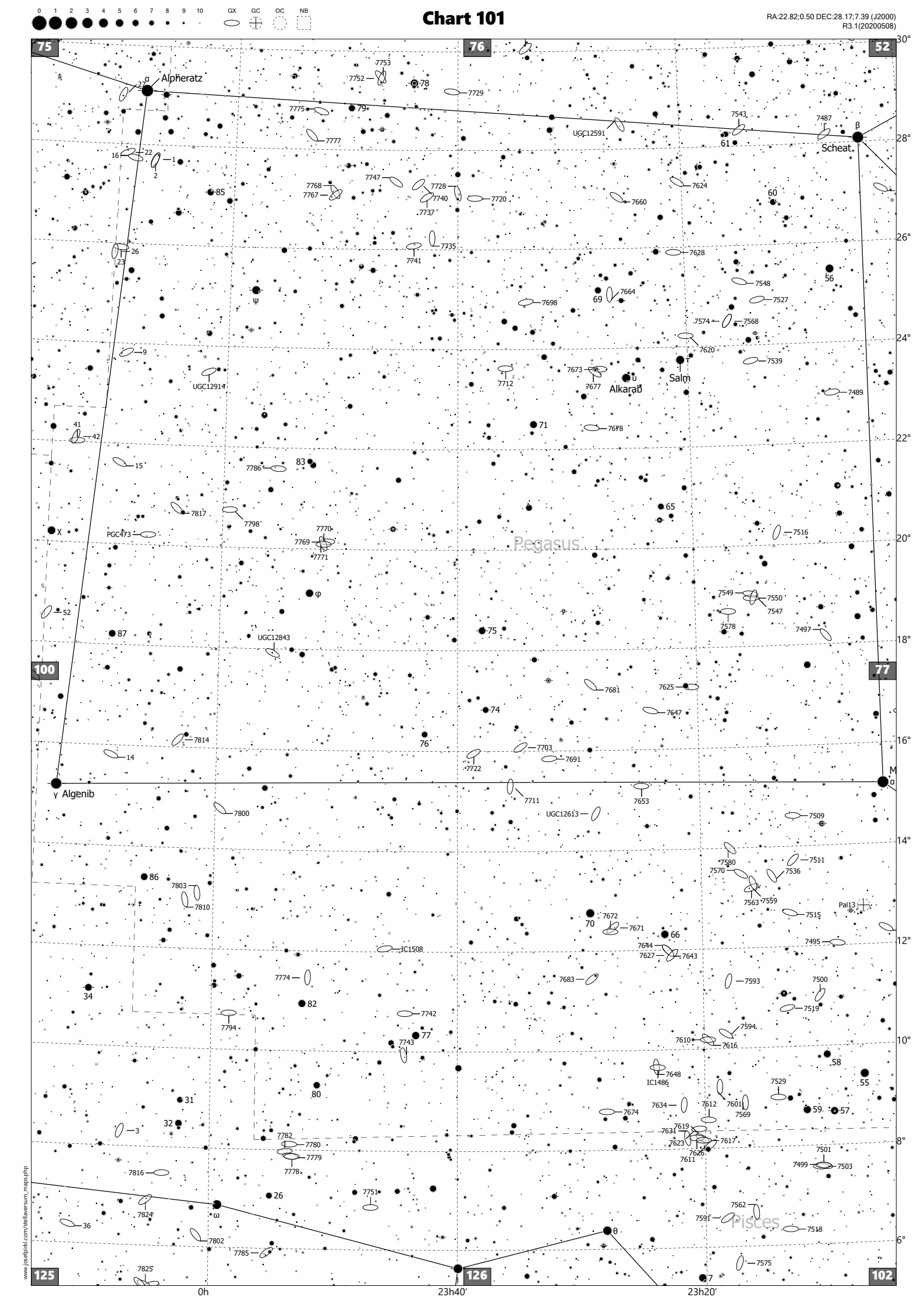

Chart 96
RA:3.71;5.39 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
70
71
72
95
97
120
121
122
Taurus
Ain
ε
Secunda Hyadum
δ¹
Aldebaran
α
Chamukuy
θ²
Hyades
γ
Prima Hyadum
Hind's variable nebula
1555
1615
1647
1746
1497
1662
1633
1517
PK190-17.1
Tabit
π³
π⁴
π²
π¹
o¹
o²
ρ
λ
ν
μ
ω¹
ω²
υ
κ¹
φ
χ
ψ
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
5h
4h40′
4h20′
4h
www.josefpirkl.com/stellaversum_maps.php


Chart 97
RA:2.74;4.41 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
71
72
73
96
98
121
122
123
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
4h
3h40'
3h20'
3h
Maia
Nebula
Taygeta
Pleione
Atlas
M45
Asterope
Pleiades
Merope
Alcyone
Merope
Nebula
Taurus
Cetus
Botein
PK171-25.1
1497
1474
1156
www.jsefpirkl.com/stellaversum_maps.php


Chart 98
RA:1.76;3.44 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
72
73
74
97
99
122
123
124
Triangulum
Aries
Lilii Borea
Bharani
Hamal
α
Botein
δ
268 G. Cet
UGC01590
UGC02082
UGC02079
UGC01551
UGC02296
IC221
IC187
IC1828
IC267
IC1776
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
3h
2h40′
2h20′
www.josefpirkl.com/stellaversum_maps.php


Chart 99
RA:0.78;2.46 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
73
74
75
98
100
123
124
125
Pisces
Mothallah
Hamal
Sheratan
Mesarthim
Alpherg
M74
Torcular
Revati
UGC01590
UGC01551
UGC01219
IC1672
IC1727
IC187
IC167
IC1723
IC1776
Col21
2h
1h40'
1h20'
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
www.jsefpirkl.com/stellaversum_maps.php


0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
Chart 100
RA:23.80;1.48 DEC:28.17;7.39 (J2000)
R3.1(20200508)
74
75
76
99
101
124
125
126
α Alpheratz
γ Algenib
Andromeda
Pisces
UGC12914
PGC473
IC43
IC34
UGC00191
UGC00312
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
1h
0h40′
0h20′
www.josefpirkl.com/stellaversum_maps.php


Chart 101
RA:22.82;0.50 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
75
76
52
100
77
125
126
102
Alpheratz
Scheat
Alkaraḑ
Salm
Algenib
Pegasus
Pisces
UGC12591
UGC12914
UGC12843
UGC12613
PGC473
IC1508
IC1486
Pal13
0h
23h40′
23h20′
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
www.josefpirkl.com/stellaversum_maps.php

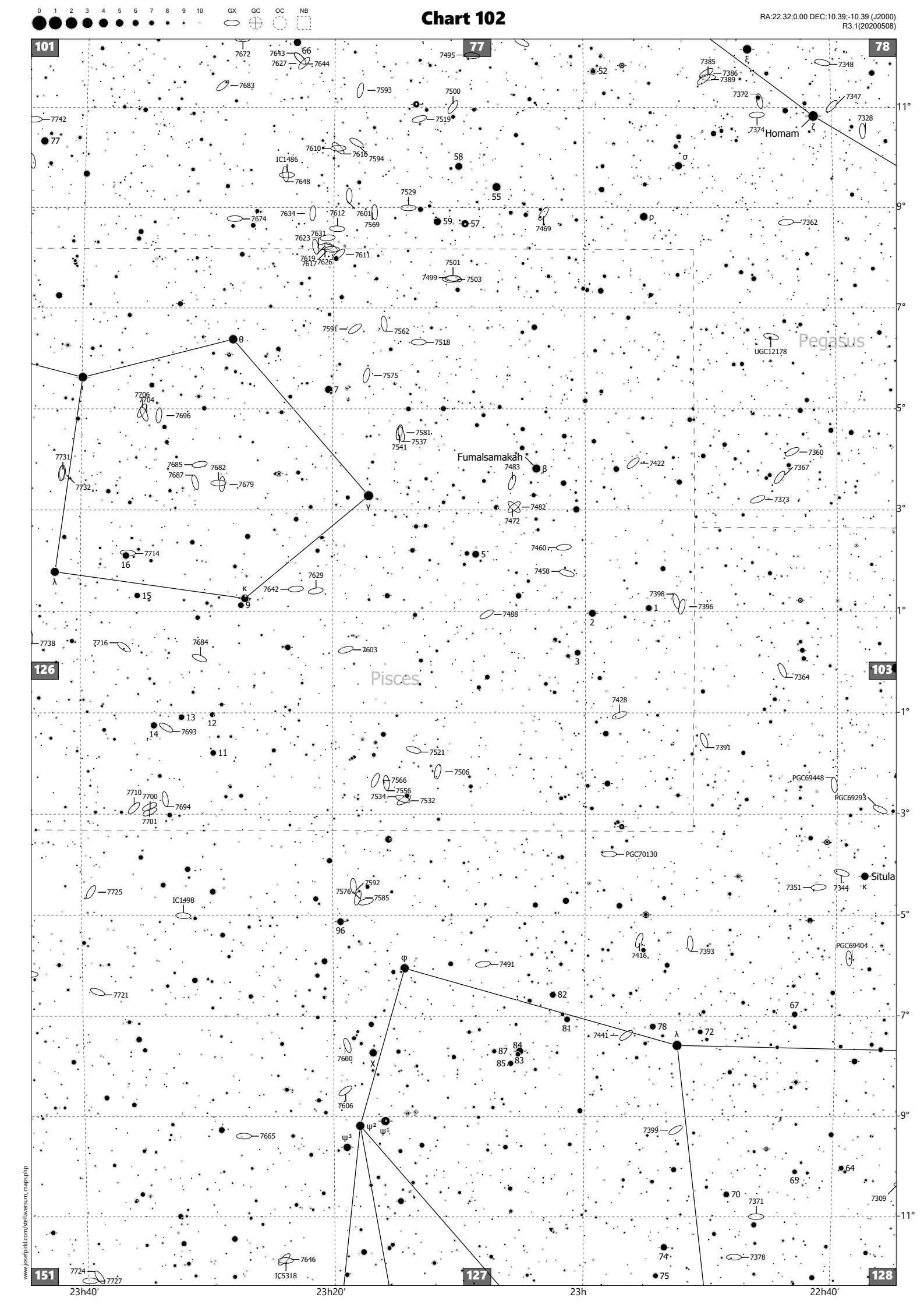
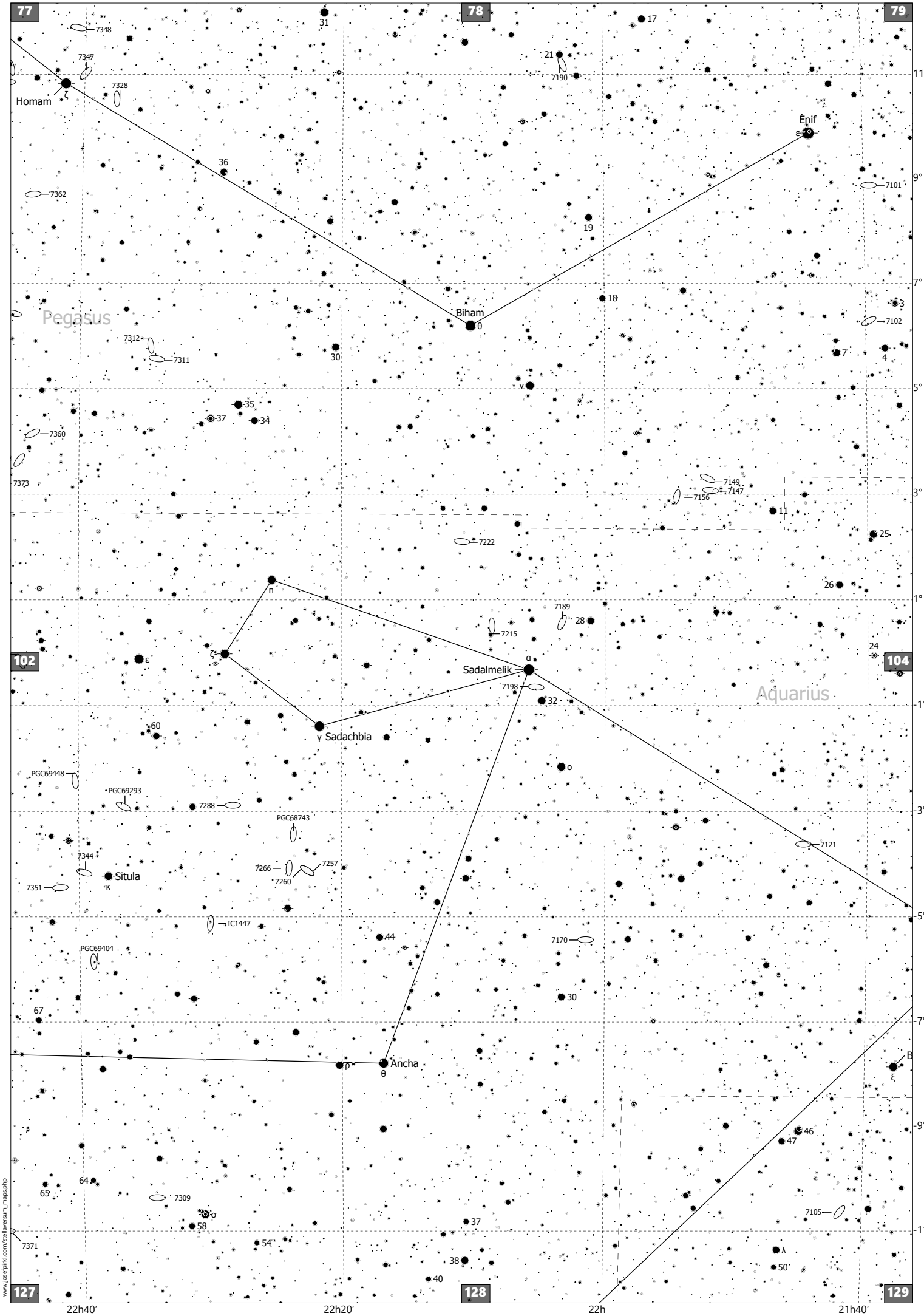
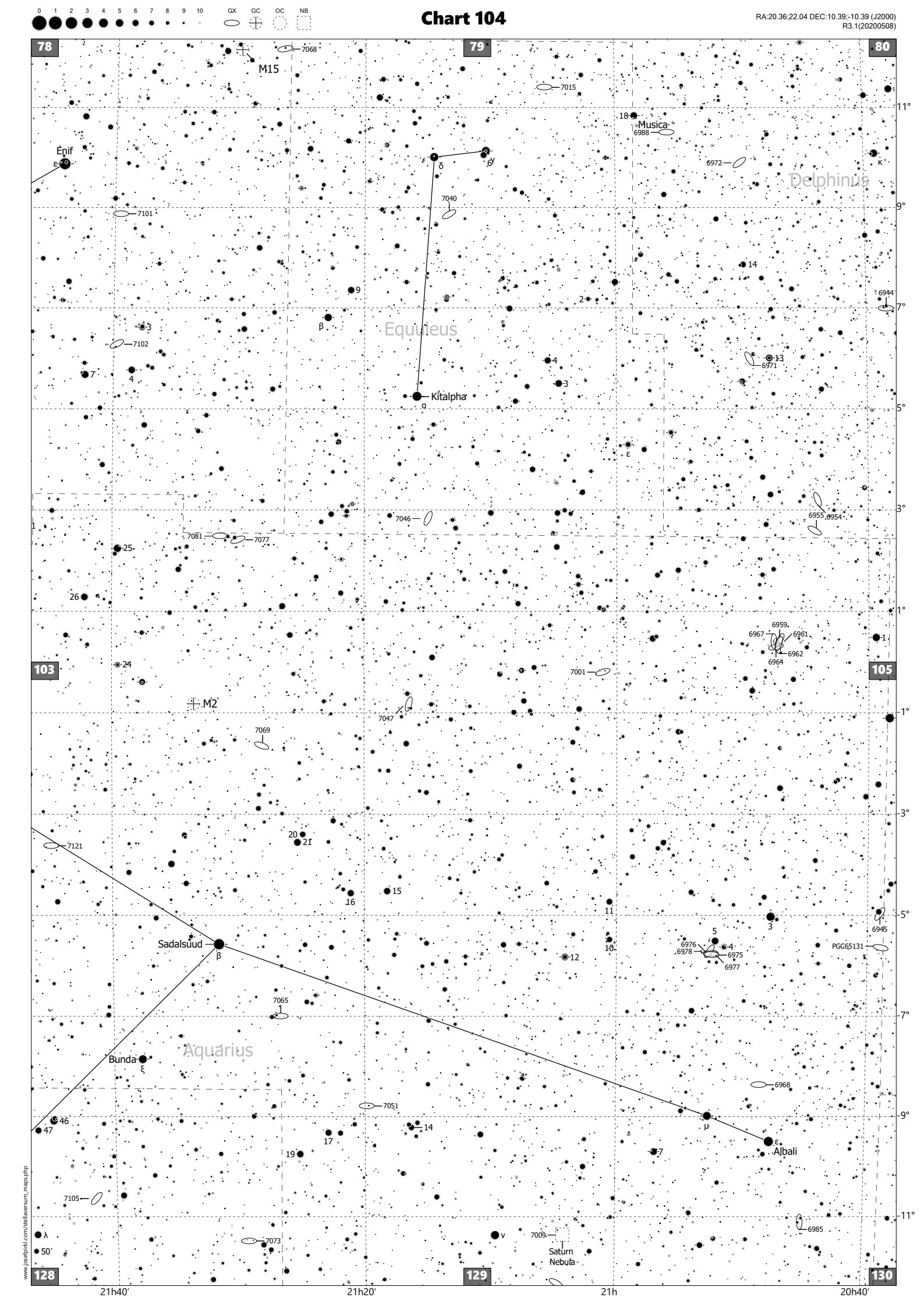

Chart 102
RA:22.32;0.00 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
101
77
78
126
103
151
127
128
Pegasus
Pisces
Homam
Fumalsamakah
Situla
UGC12178
PGC69448
PGC69293
PGC70130
PGC69404
IC1486
IC1498
IC5318
11°
9°
7°
5°
3°
1°
1°
3°
5°
7°
9°
11°
23h40′
23h20′
23h
22h40′
www.jsefpirkl.com/stellaversum_maps.php

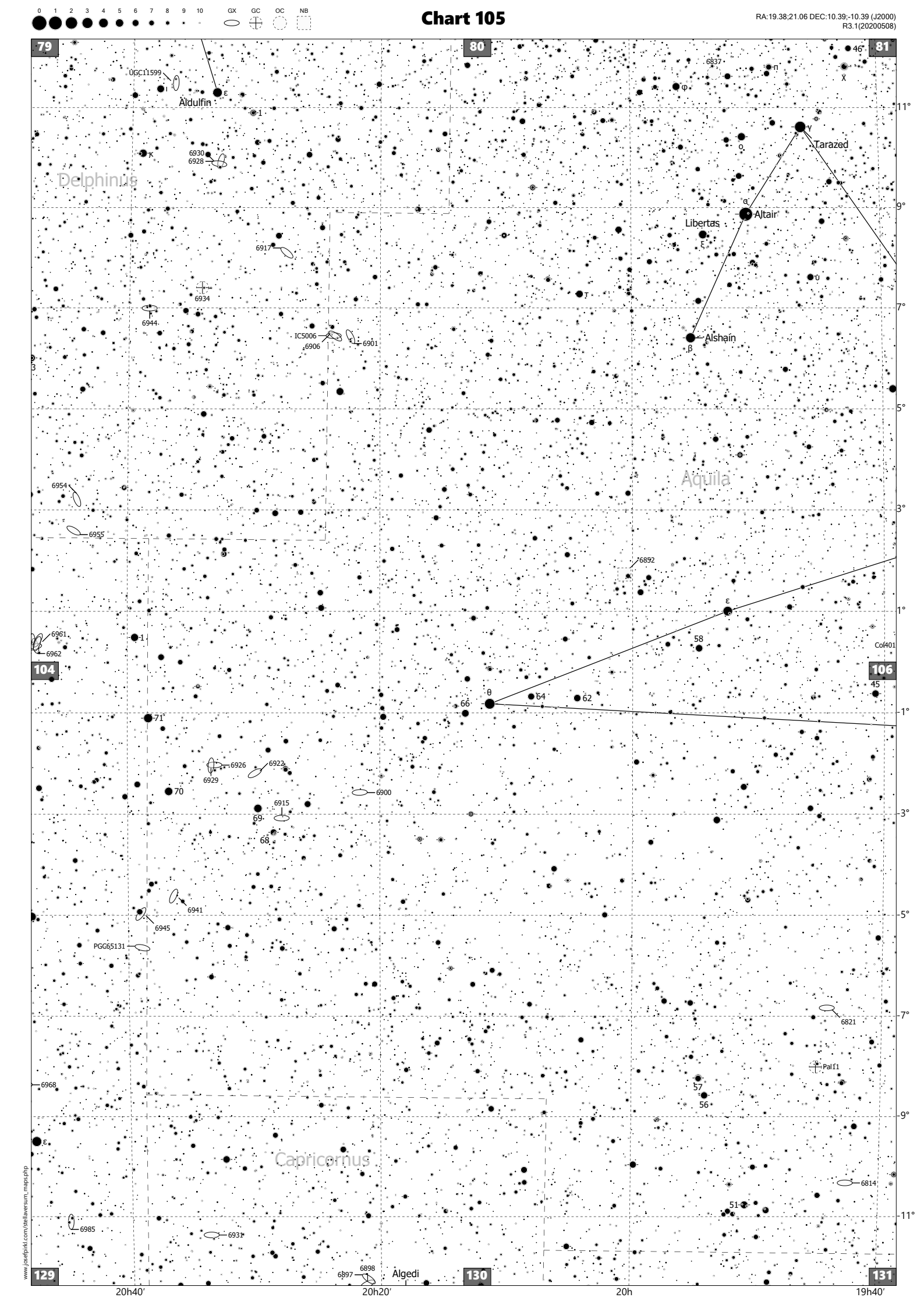
Chart 103

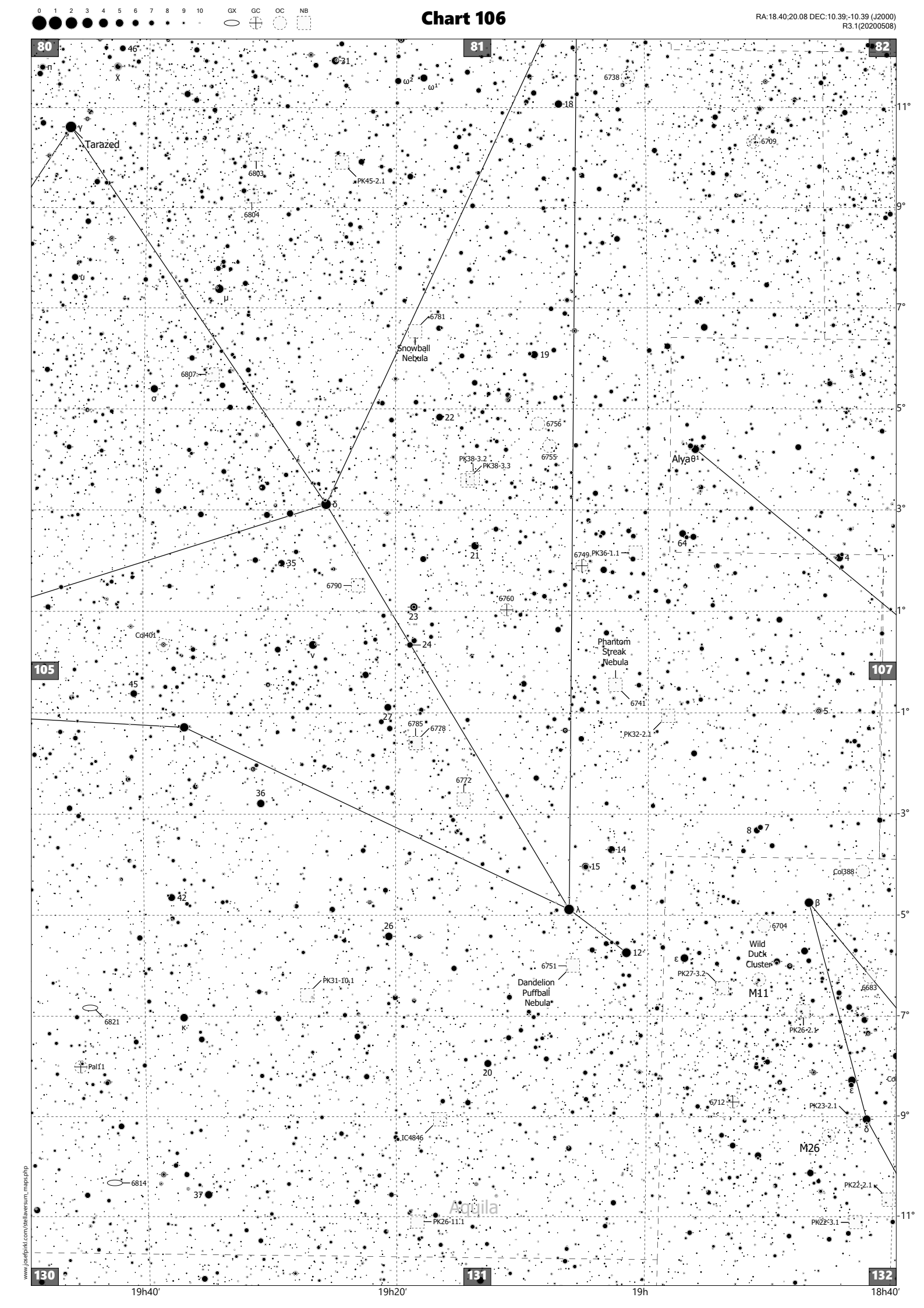
RA:21.34;23.02 DEC:10.39;-10.39 (J2000)
R3.1(20200508)

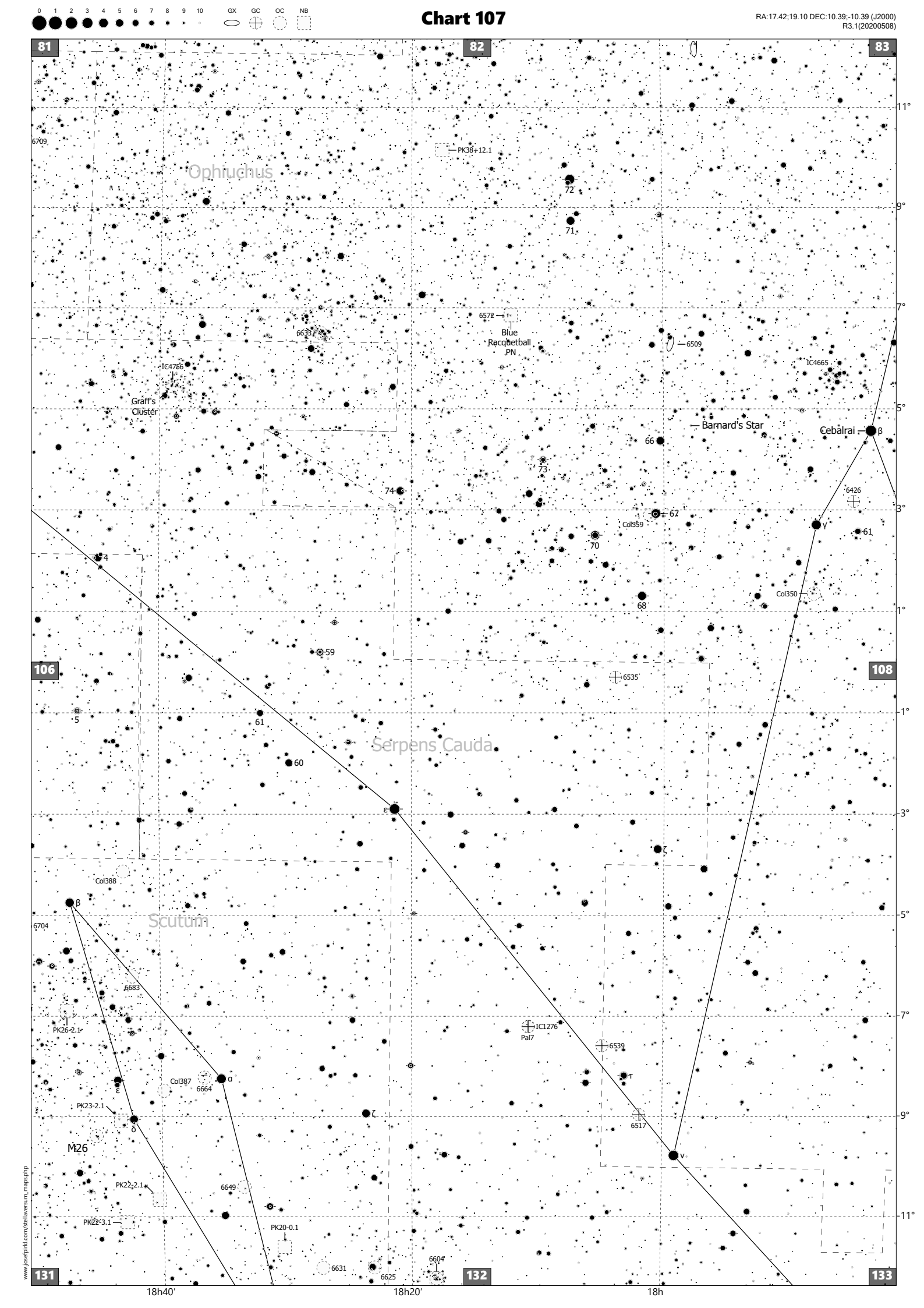


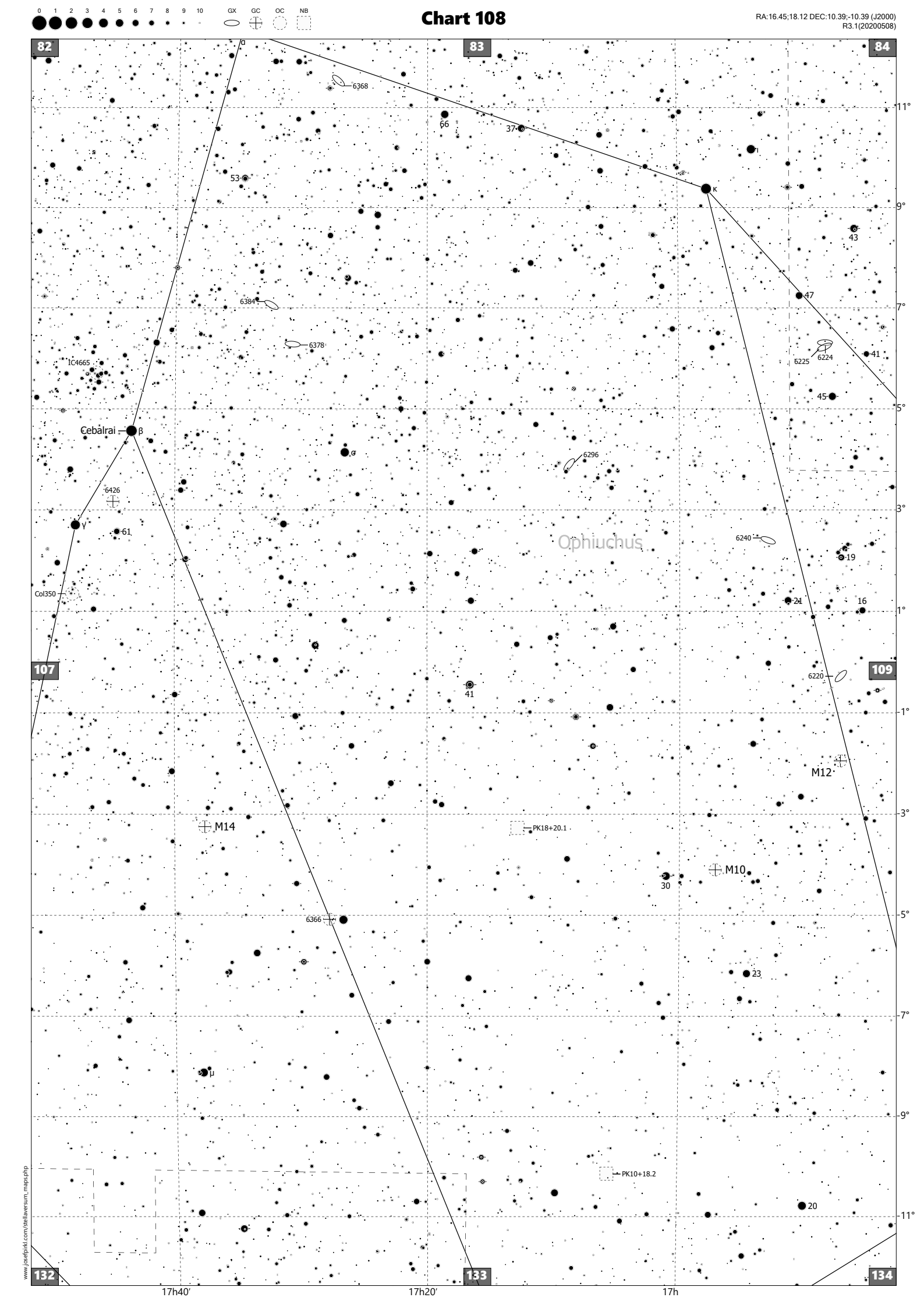
www.jsefpirkl.com/stellaversum_maps.php

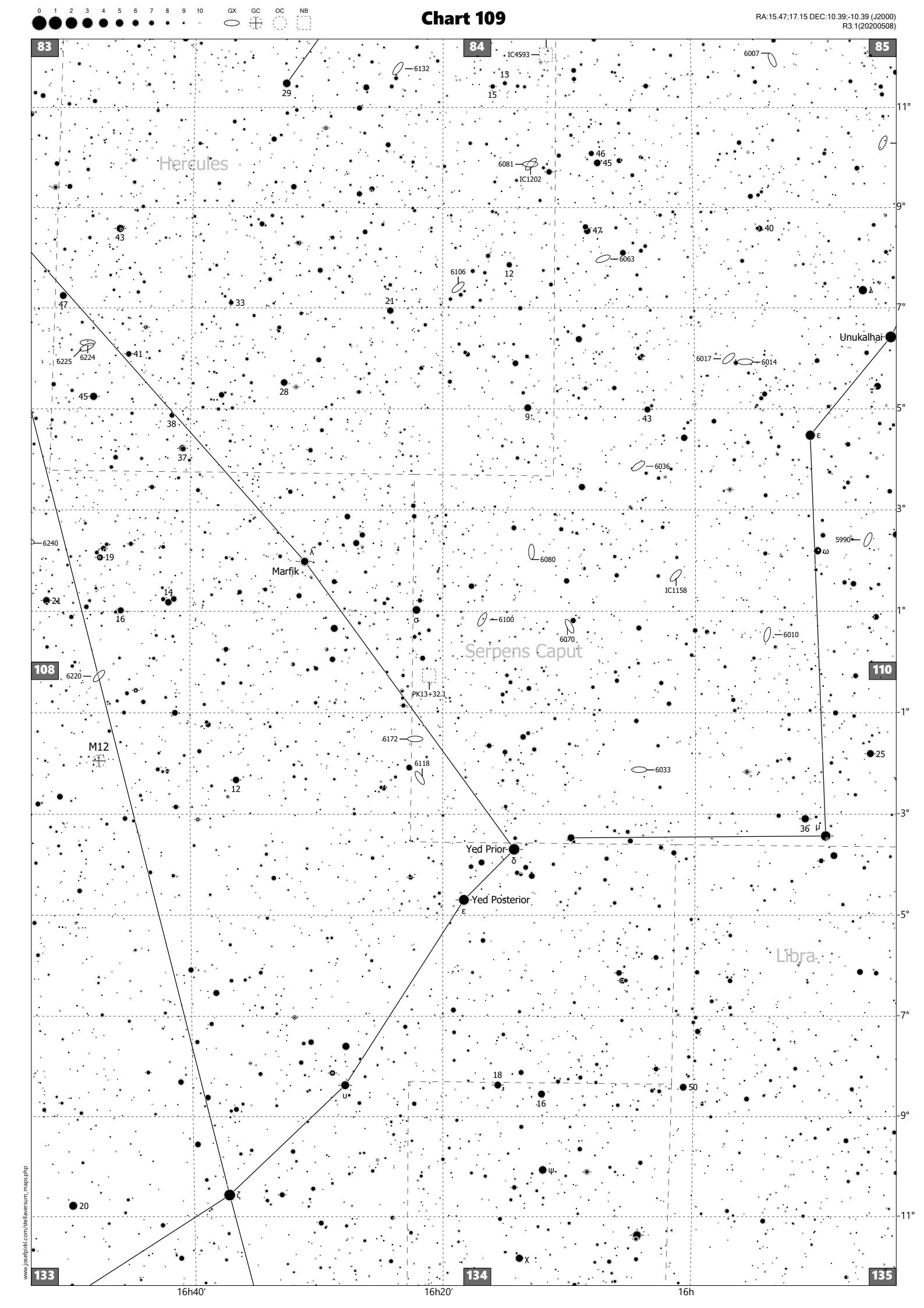

Chart 104
RA:20.36;22.04 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
78
79
80
103
105
128
129
130
M15
M2
Musica
Delphinus
Equuleus
Aquarius
Enif
Kitalpha
Sadalsuud
Bunda
Albali
Saturn Nebula
PGC65131
7068
7015
6988
6972
7101
7040
6944
7102
6971
7046
6955
6954
7081
7077
6959
6967
6961
6962
6964
7001
7047
7069
7121
7065
6968
7051
6945
6976
6978
6975
6977
7105
7073
7009
6985
21h40'
21h20'
21h
20h40'
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
www.jsefpirkl.com/stellaversum_maps.php

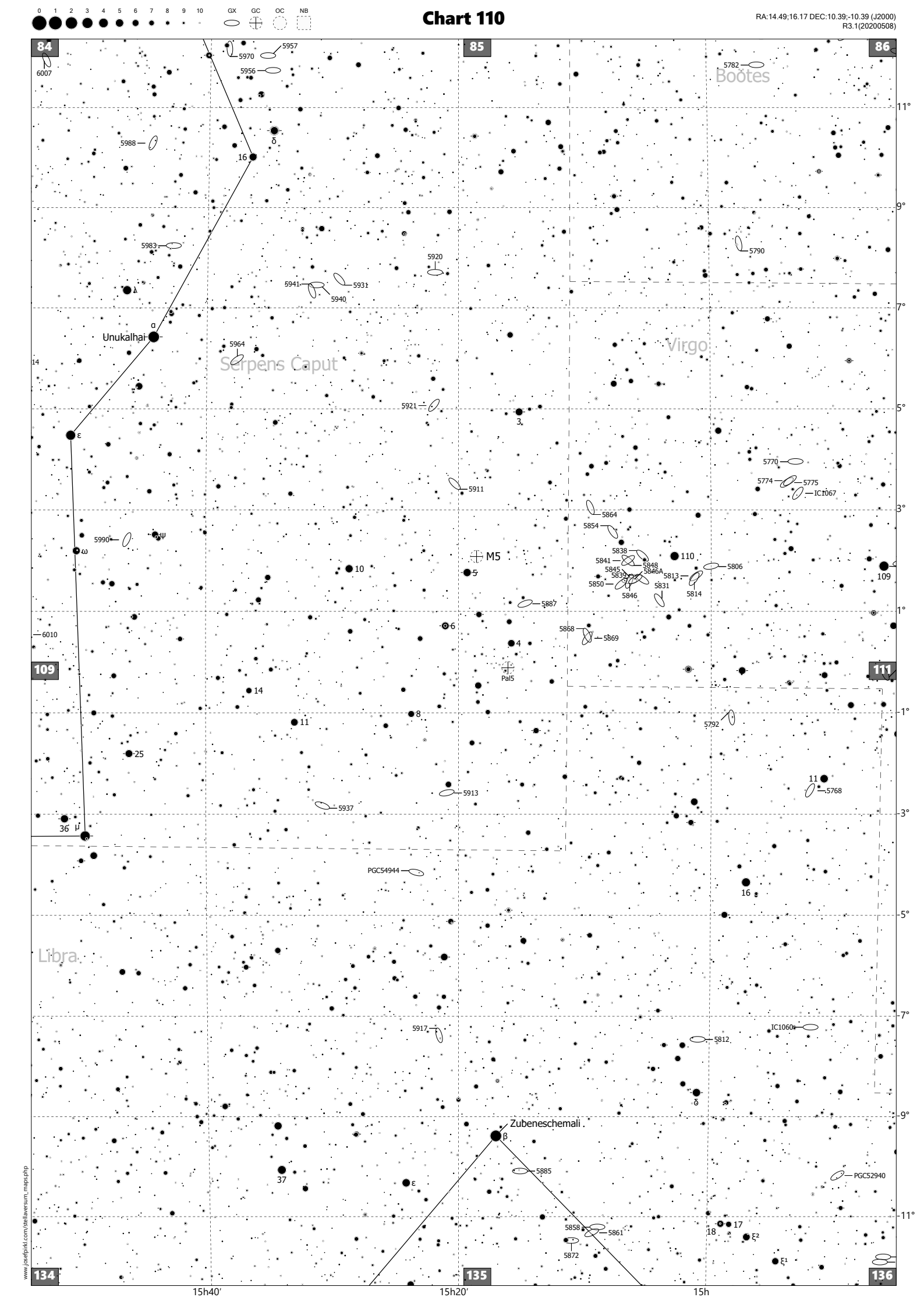

0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
Chart 105
RA:19.38;21.06 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
79
80
81
104
106
129
130
131
UGC11599
Aldulfin
Delphinus
6930
6928
6917
6934
6944
IC5006
6906
6901
Tarazed
Altair
Libertas
Alshain
Aquila
6954
6955
6892
6961
6962
Col401
71
6926
6922
6929
70
6900
6915
69
68
6941
6945
PGC65131
6968
Capricornus
6985
6931
6898
Algedi
6821
Pal11
6814
20h40'
20h20'
20h
19h40'
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
www.josefpirkl.com/stellaversum_maps.php

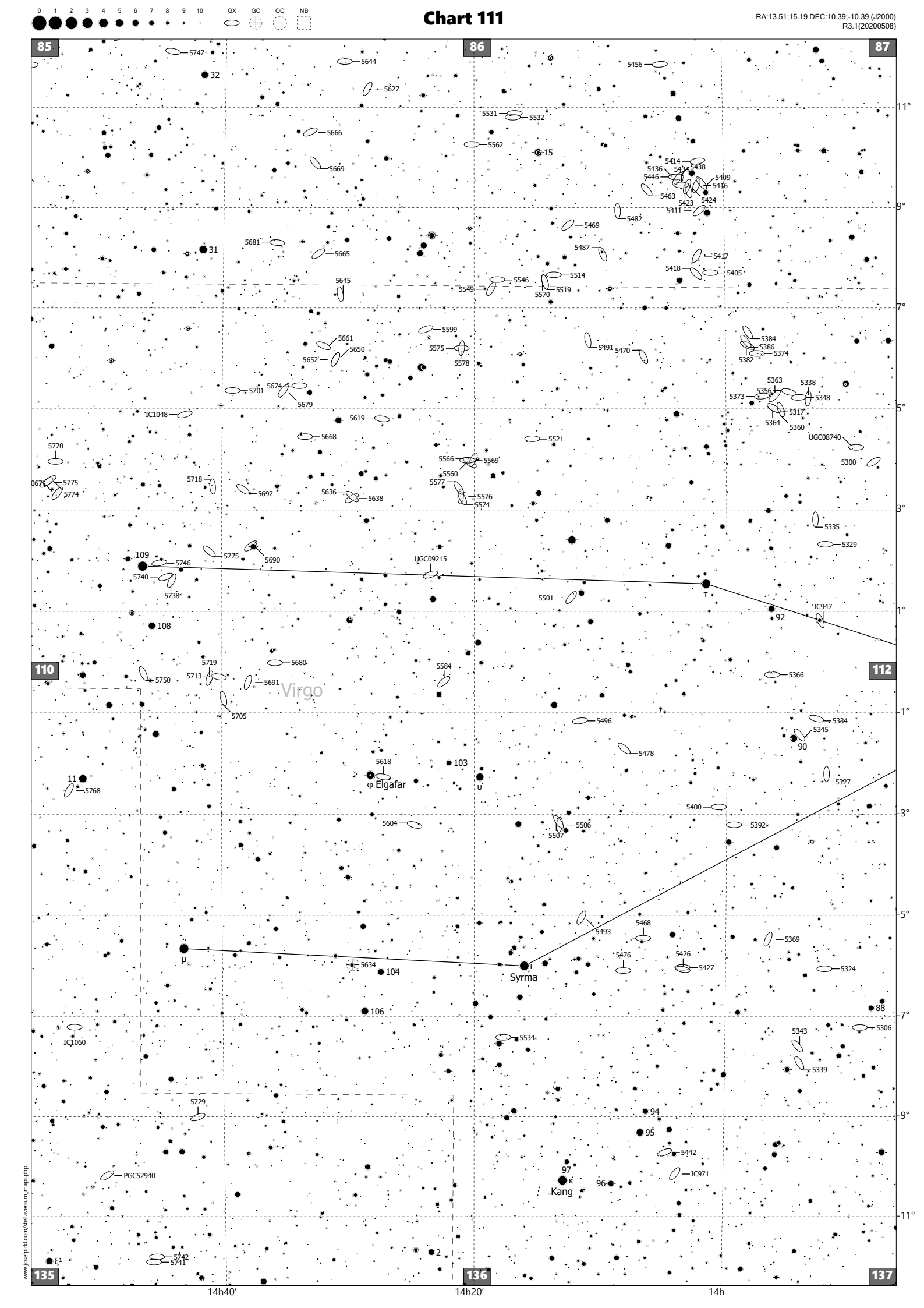

0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
Chart 106
RA:18.40;20.08 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
80
81
82
105
107
130
131
132
Tarazed
Snowball Nebula
Alya
Phantom Streak Nebula
Wild Duck Cluster
M11
Dandelion Puffball Nebula
M26
IC4846
Aquila
Col401
Col388
Pal11
PK45-2.1
PK38-3.2
PK38-3.3
PK36-1.1
PK32-2.1
PK31-10.1
PK27-3.2
PK26-2.1
PK23-2.1
PK22-2.1
PK22-3.1
PK26-11.1
6803
6804
6781
6807
6738
6709
6756
6755
6749
6790
6760
6785
6778
6772
6741
6751
6704
6683
6712
6821
6814
11°
9°
7°
5°
3°
1°
19h40′
19h20′
19h
18h40′
www.jsfdpinkl.com/stellaversum_maps.php

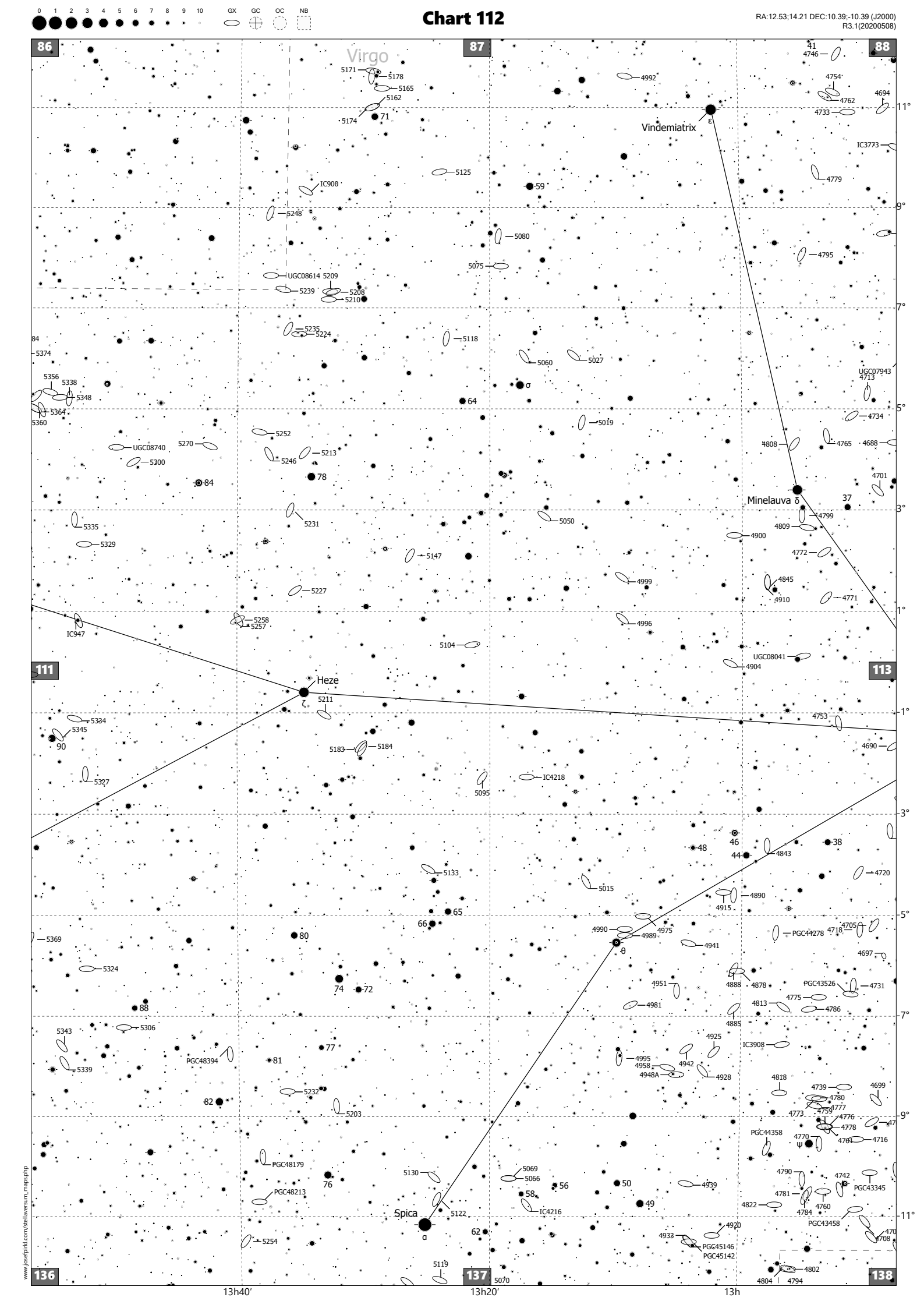

0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
Chart 107
RA:17.42;19.10 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
81
82
83
106
108
131
132
133
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
Ophiuchus
Serpens Cauda
Scutum
M26
PK38+12.1
Blue Racquetball PN
Graff's Cluster
IC4756
IC4665
Barnard's Star
Cebalrai
Col359
Col350
Col388
Col387
IC1276
Pal7
6709
6572
6633
6509
6426
6535
6704
6683
6664
6539
6517
6649
6631
6625
6604
PK26-2.1
PK23-2.1
PK22-2.1
PK22-3.1
PK20-0.1
18h40'
18h20'
18h
www.josefpirkl.com/stellaversum_maps.php

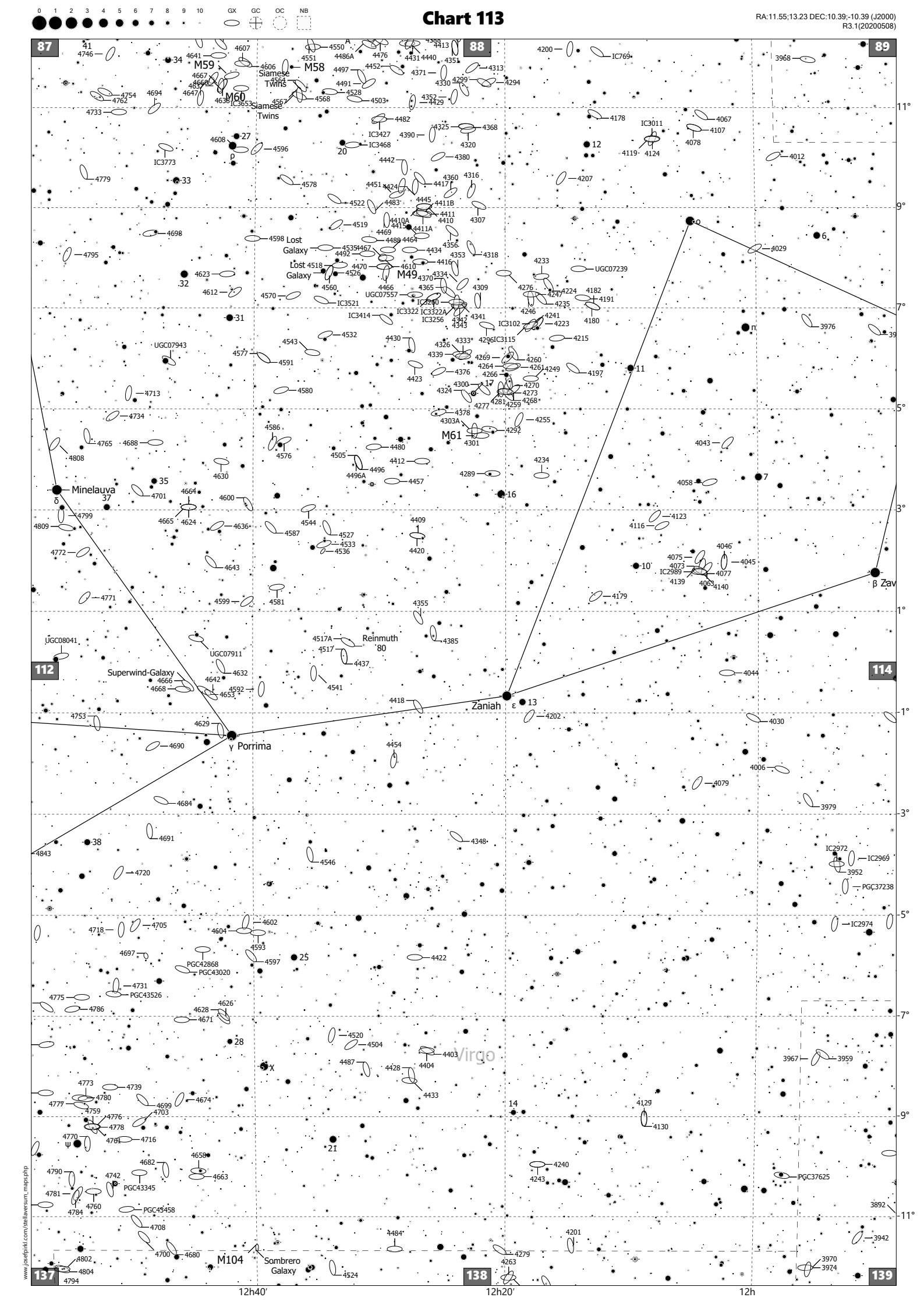

0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
Chart 108
RA:16.45;18.12 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
82
83
84
107
109
132
133
134
11°
9°
7°
5°
3°
1°
1°
3°
5°
7°
9°
11°
Cebalrai
β
γ
σ
ι
κ
Ophiuchus
M14
M12
M10
IC4665
6368
6384
6378
6426
6296
6240
6225
6224
6220
6366
PK18+20.1
PK10+18.2
Col350
66
37
53
43
47
41
45
61
19
21
16
41
30
23
20
17h40′
17h20′
17h
www.jsfelpirkl.com/stellaversum_maps.php

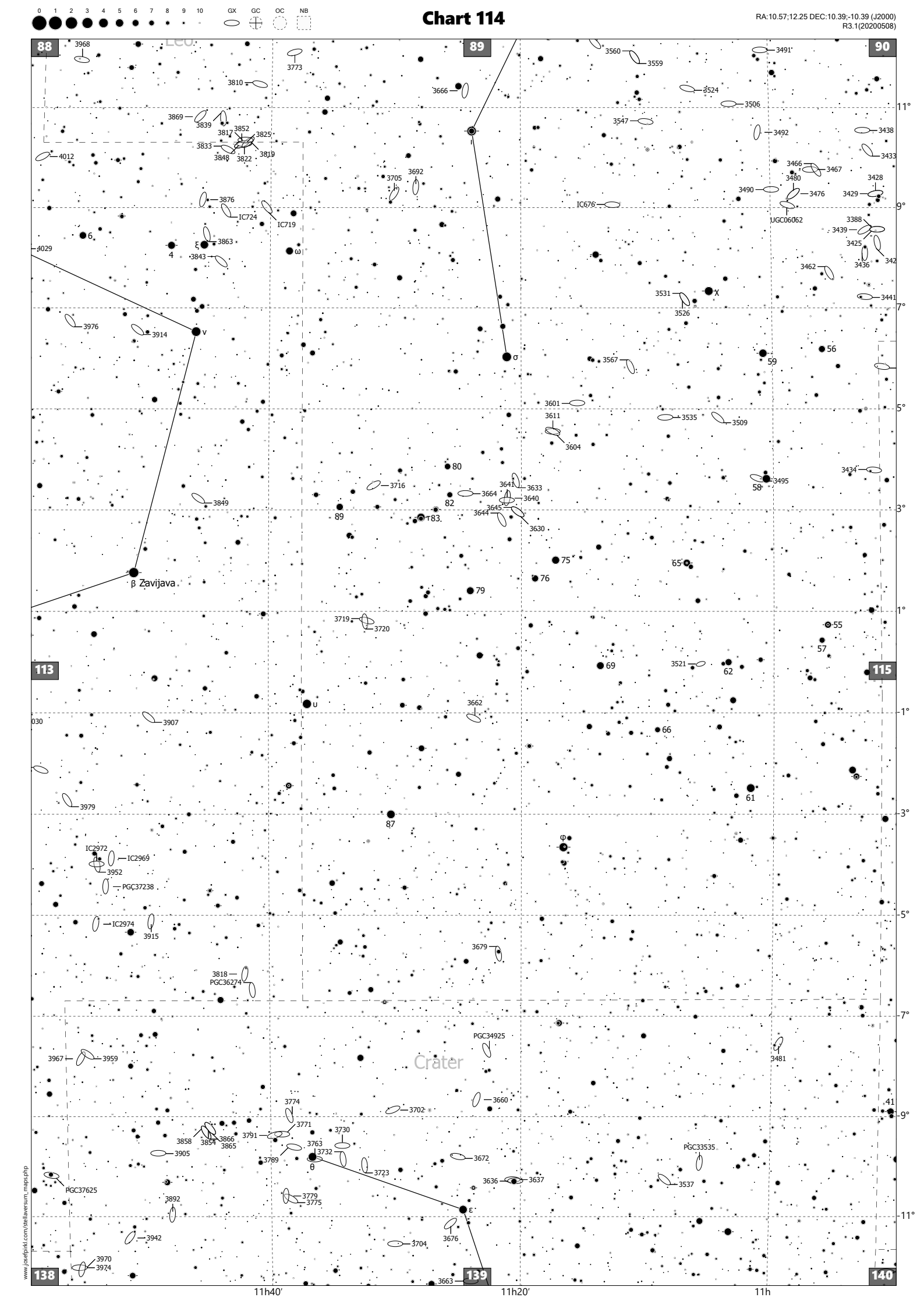

Chart 109
RA:15.47;17.15 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
83
84
85
108
110
133
134
135
Hercules
Serpens Caput
Libra
Marfik
Unukalhai
Yed Prior
Yed Posterior
M12
IC4593
IC1202
IC1158
6132
6081
6063
6106
6007
6017
6014
6224
6225
6036
6240
6080
5990
6100
6070
6010
6220
PK13+32.1
6172
6118
6033
11°
9°
7°
5°
3°
1°
1°
3°
5°
7°
9°
11°
16h40′
16h20′
16h
www.jsefipirkl.com/stellaversum_maps.php

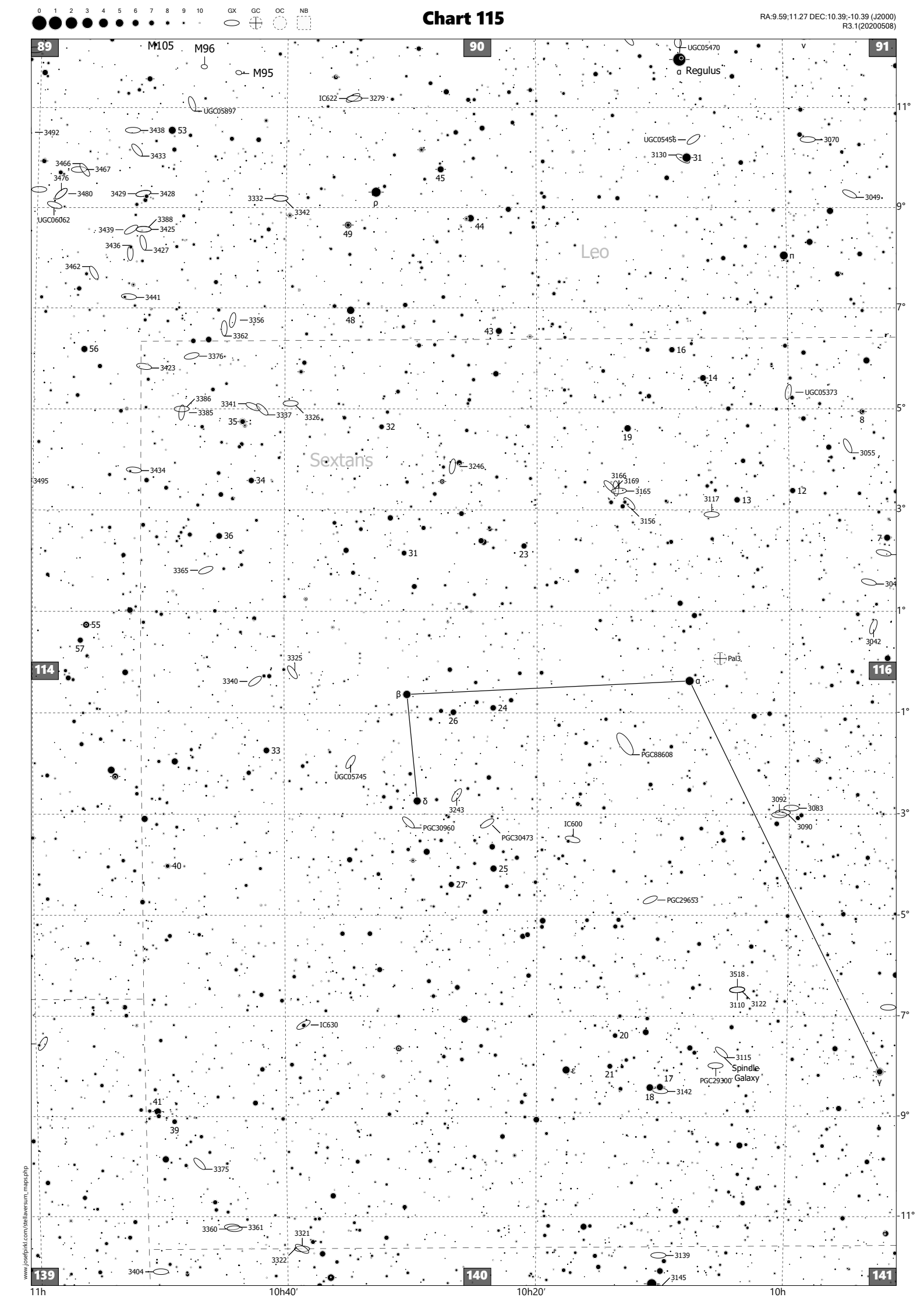

Chart 110
RA:14.49;16.17 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
84
85
86
109
111
134
135
136
Bootes
Virgo
Serpens Caput
Libra
Unukalhai
Zubeneschemali
M5
Pal5
PGC54944
PGC52940
IC1067
IC1060
5957
5970
5956
6007
5988
16
δ
5983
5920
5941
5931
5940
λ
α
5964
14
5921
3
ε
5911
5770
5774
5775
5790
5782
5864
5854
5838
5841
5845
5848
5846A
5839
5850
5846
5831
5813
5814
110
5806
109
5990
ψ
ω
10
5
5887
6010
6
4
5868
5869
14
11
8
25
5792
11
5768
5913
5937
36
μ
16
5917
5812
δ
37
ε
β
5885
5858
5861
5872
18
17
ξ2
ξ1
11°
9°
7°
5°
3°
1°
1°
3°
5°
7°
9°
11°
15h40′
15h20′
15h
www.josefpirkl.com/stellaversum_maps.php

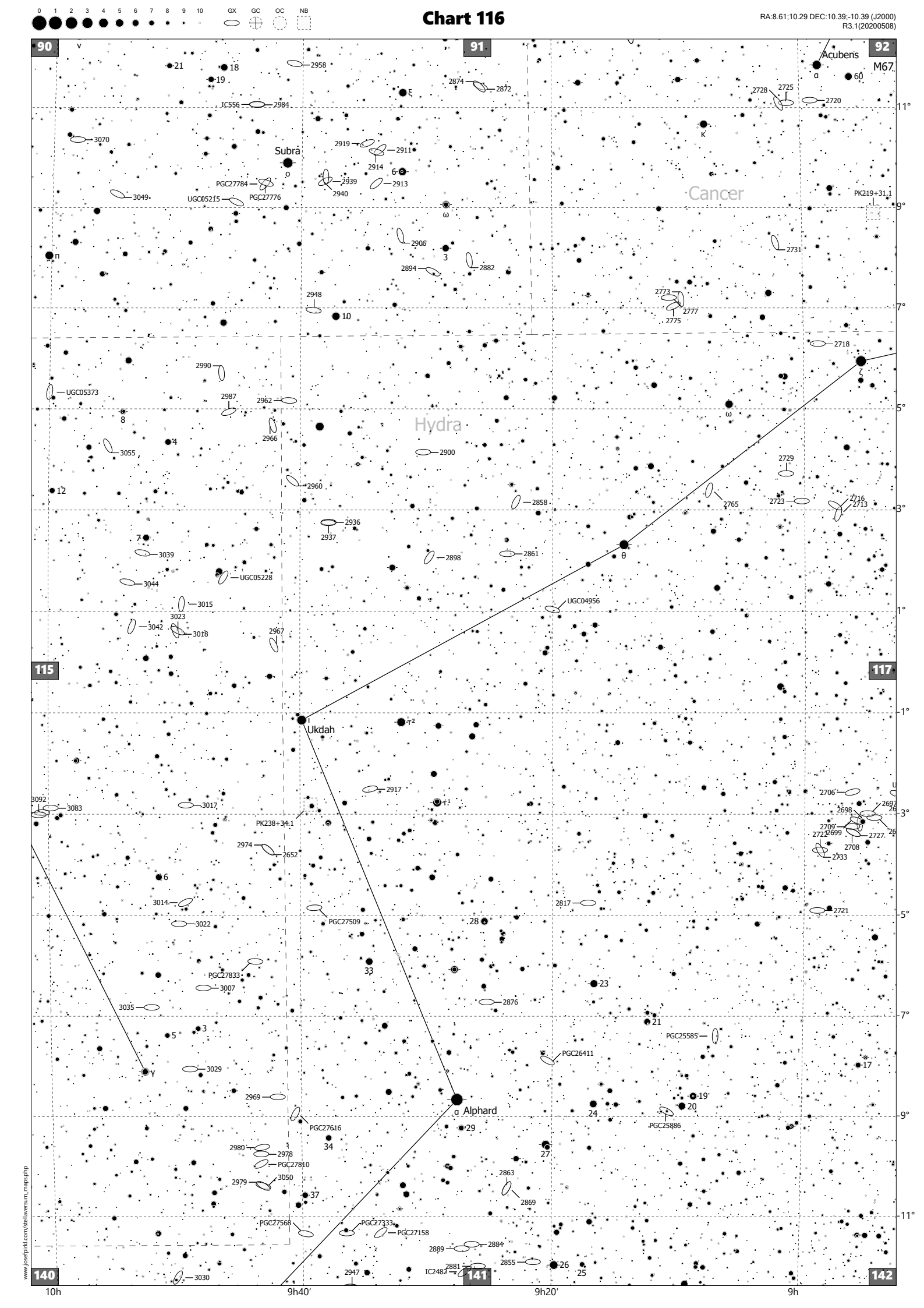

Chart 111
RA:13.51;15.19 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
85
86
87
110
112
135
136
137
Virgo
φ Elgafar
Syrma
Kang
IC1060
PGC52940
UGC09215
UGC08740
IC947
IC971
IC1048
14h40′
14h20′
14h
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
www.josefpirkl.com/stellaversum_maps.php

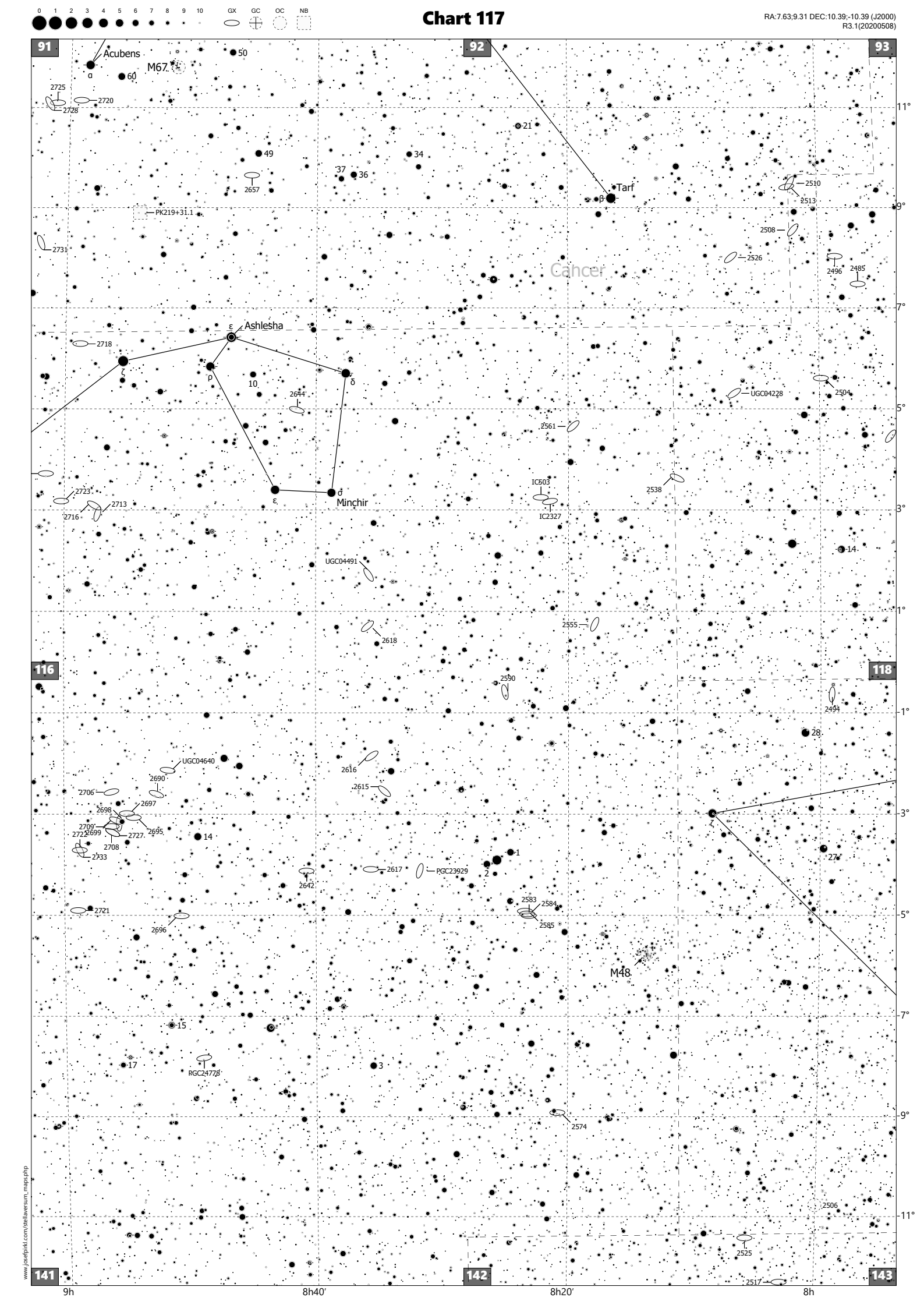

0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
Chart 112
RA:12.53;14.21 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
86
87
88
111
113
136
137
138
Virgo
Vindemiatrix
Minelauva
Heze
Spica
IC947
IC900
IC4218
IC4216
IC3773
IC3908
UGC08614
UGC08740
UGC08041
UGC07943
PGC48394
PGC48179
PGC48213
PGC44278
PGC44358
PGC43526
PGC43345
PGC43458
PGC45146
PGC45142
13h40′
13h20′
13h
www.jsefpirkl.com/stellaversum_maps.php

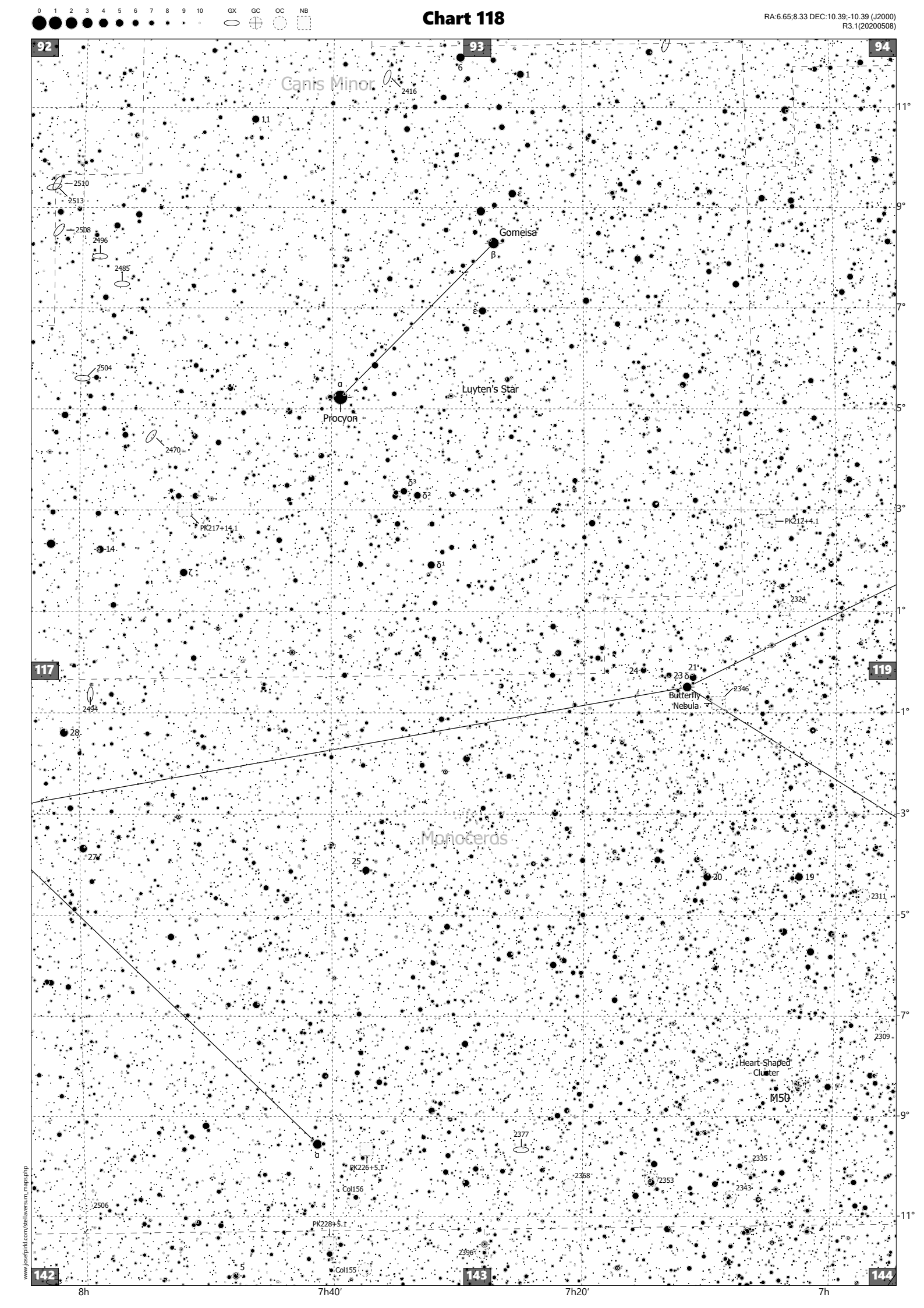

Chart 113
RA:11.55;13.23 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
87
88
89
112
114
137
138
139
M59
M58
M60
M49
M61
M104
Siamese Twins
Lost Galaxy
Lost Galaxy
Minelauva
Zaniah
γ Porrima
β Zav
Superwind-Galaxy
Reinmuth 80
Sombrero Galaxy
Virgo
UGC08041
UGC07911
UGC07943
UGC07239
UGC07557
IC3773
IC3427
IC3468
IC3011
IC3521
IC3414
IC3322
IC3322A
IC3256
IC3102
IC3115
IC2989
IC2972
IC2969
IC2974
PGC42868
PGC43020
PGC43526
PGC43345
PGC45458
PGC37238
PGC37625
12h40′
12h20′
12h
11°
9°
7°
5°
3°
1°
1°
3°
5°
7°
9°
11°
www.jsefpirkl.com/stellaversum_maps.php

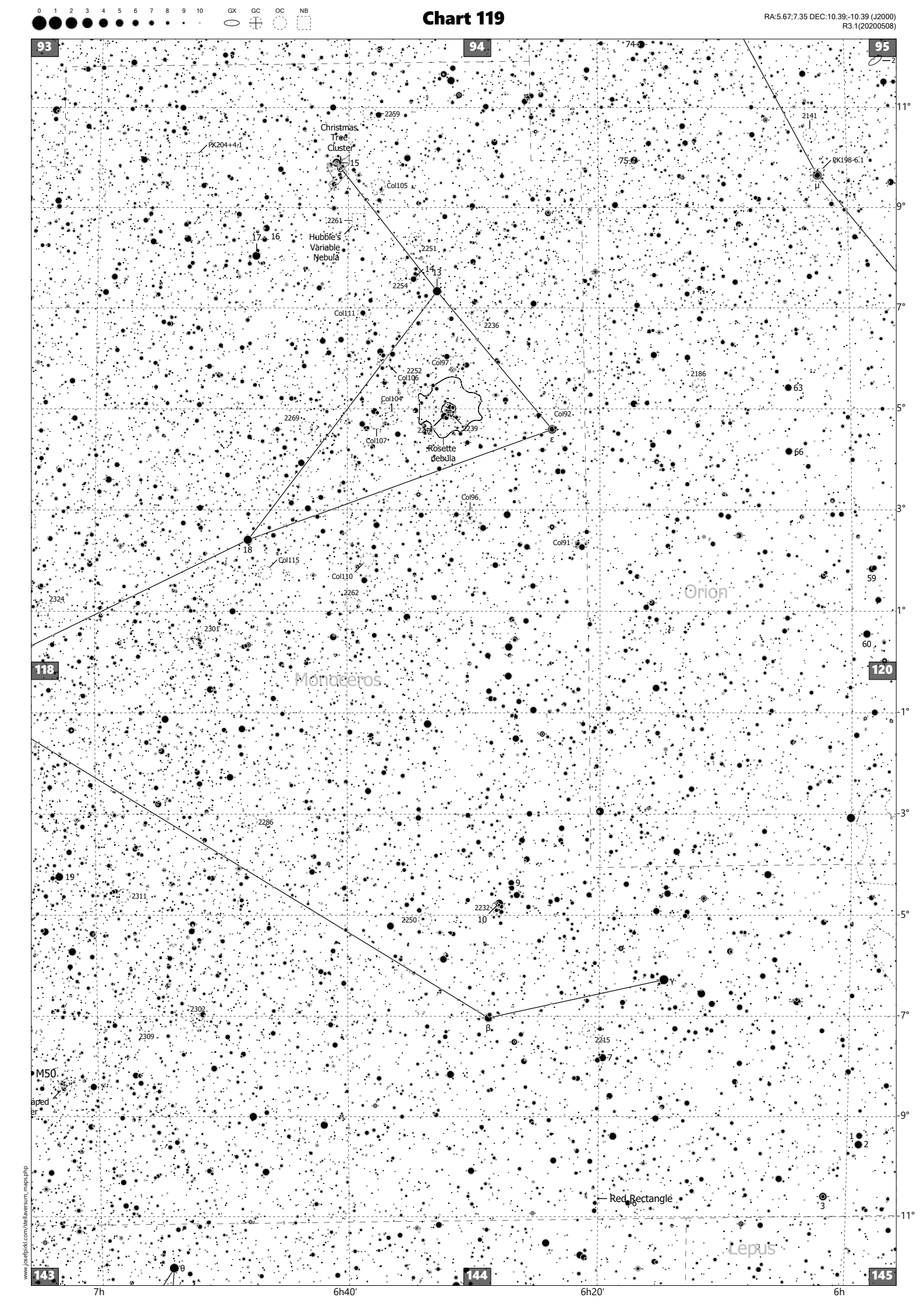

0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
Chart 114
RA:10.57;12.25 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
88
89
90
113
115
138
139
140
Leo
Crater
β Zavijava
11h40′
11h20′
11h
www.jsefipirkl.com/stellaversun_maps.php

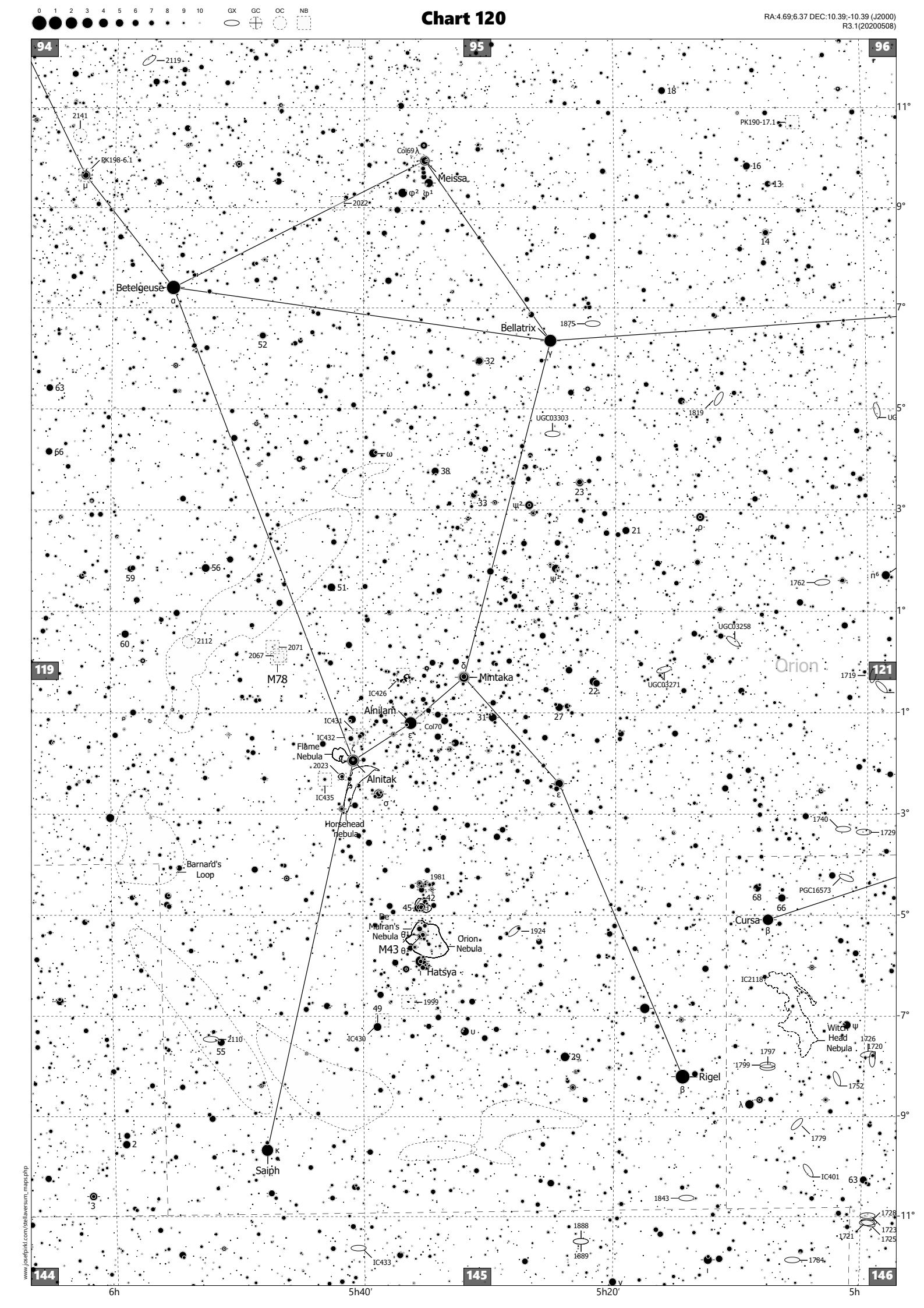

Chart 115
RA:9.59;11.27 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
89
90
91
114
116
139
140
141
M105
M96
M95
UGC05897
IC622
3279
UGC05470
α Regulus
v
3492
3438
53
3433
UGC05456
3070
3130
31
3466
3467
3476
45
3480
3429
3428
3332
3342
ρ
3049
UGC06062
3388
3439
3425
49
44
Leo
3436
3427
η
3462
3441
48
3356
3362
43
56
3376
16
3423
14
UGC05373
3386
3341
3337
3326
3385
35
32
8
19
3055
Sextans
3434
3246
3495
34
3166
3169
3165
12
3117
13
3156
36
31
23
7
3365
304
55
57
1°
3042
Pal3
3325
3340
α
β
24
26
1°
33
PGC88608
UGC05745
δ
3243
3092
3083
3090
3°
PGC30960
PGC30473
IC600
40
25
27
PGC29653
5°
3518
3110
3122
IC630
7°
20
3115
Spindle
Galaxy
ε
21
17
PGC29300
γ
3142
18
41
9°
39
3375
11°
3360
3361
3321
3322
3139
3404
3145
11h
10h40′
10h20′
10h
www.josefpirkl.com/stellaversum_maps.php


Chart 116
RA:8.61;10.29 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
90
91
92
115
117
140
141
142
Acubens
M67
Subra
Cancer
Hydra
Ukdah
Alphard
PK219+31.1
PK238+34.1
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
10h
9h40′
9h20′
9h
www.josefpirkl.com/stellaversum_maps.php


Chart 117
RA:7.63;9.31 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
91
92
93
116
118
141
142
143
Acubens
α
M67
50
60
2725
2720
2728
21
49
34
37
36
2657
Tarf
β
2510
2513
PK219+31.1
2731
2508
2526
2496
2485
Cancer
ε
Ashlesha
2718
ζ
ρ
10
δ
2644
UGC04228
2504
2561
2723
2713
2716
ε
σ
Minchir
IC503
IC2327
2538
14
UGC04491
2555
2618
2590
2494
28
UGC04640
2690
2616
2615
2706
2697
2698
2709
2722
2699
2727
2695
2708
2733
14
1
2
2617
PGC23929
2642
27
2583
2584
2585
2721
2696
M48
15
17
RGC24778
3
2574
2506
2525
2517
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
9h
8h40′
8h20′
8h
www.josefpirkl.com/stellaversum_maps.php


0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
Chart 118
RA:6.65;8.33 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
92
93
94
117
119
142
143
144
Canis Minor
Monoceros
Gomeisa
Procyon
Luyten's Star
Butterfly Nebula
Heart-Shaped Cluster
M50
2416
2510
2513
2508
2496
2485
2504
2470
2494
2324
2346
2311
2309
2377
2335
2368
2353
2343
2506
PK217+14.1
PK212+4.1
PK226+5.1
PK228+5.1
Col156
Col155
8h
7h40′
7h20′
7h
11°
9°
7°
5°
3°
1°
1°
3°
5°
7°
9°
11°
www.jsfdpirkl.com/stellaversum_maps.php


Chart 119
RA:5.67;7.35 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
93
94
95
118
120
143
144
145
Christmas Tree Cluster
PK204+4.1
Hubble's Variable Nebula
Rosette nebula
PK198-6.1
Col105
Col111
Col97
Col106
Col104
Col107
Col92
Col96
Col91
Col115
Col110
2259
2261
2251
2254
2236
2252
2269
2239
2186
2141
2324
2301
2262
2286
2311
2232
2250
2302
2309
2215
Orion
Monoceros
Lepus
Red Rectangle
M50
63
66
59
60
74
75
11°
9°
7°
5°
3°
1°
-1°
-3°
-5°
-7°
-9°
-11°
7h
6h40'
6h20'
6h
www.jsefpirkl.com/stellaversum_maps.php


Chart 120
RA:4.69;6.37 DEC:10.39;-10.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
94
95
96
119
121
144
145
146
Betelgeuse
Bellatrix
Meissa
Mintaka
Alnilam
Alnitak
Saiph
Rigel
Cursa
Hatsya
M78
M43
Orion
Orion Nebula
Flame Nebula
Horsehead Nebula
Barnard's Loop
De Mairan's Nebula
Witch Head Nebula
IC434
IC435
IC426
IC431
IC432
IC433
IC2118
IC401
Col69
Col70
PK198-6.1
PK190-17.1
UGC03303
UGC03258
UGC03271
PGC16573
11°
9°
7°
5°
3°
1°
1°
3°
5°
7°
9°
11°
6h
5h40'
5h20'
5h
www.josefpirkl.com/stellaversum_maps.php