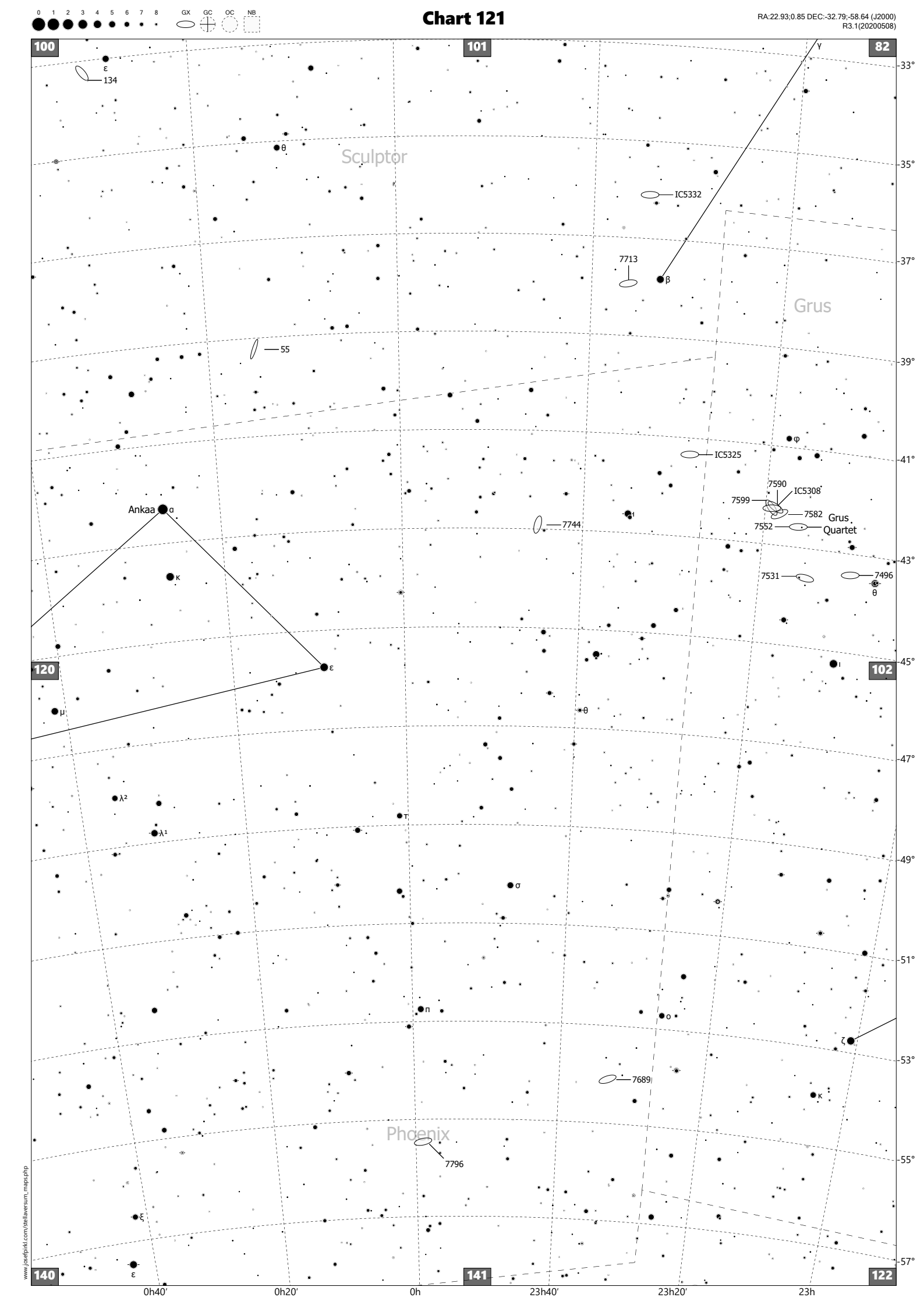
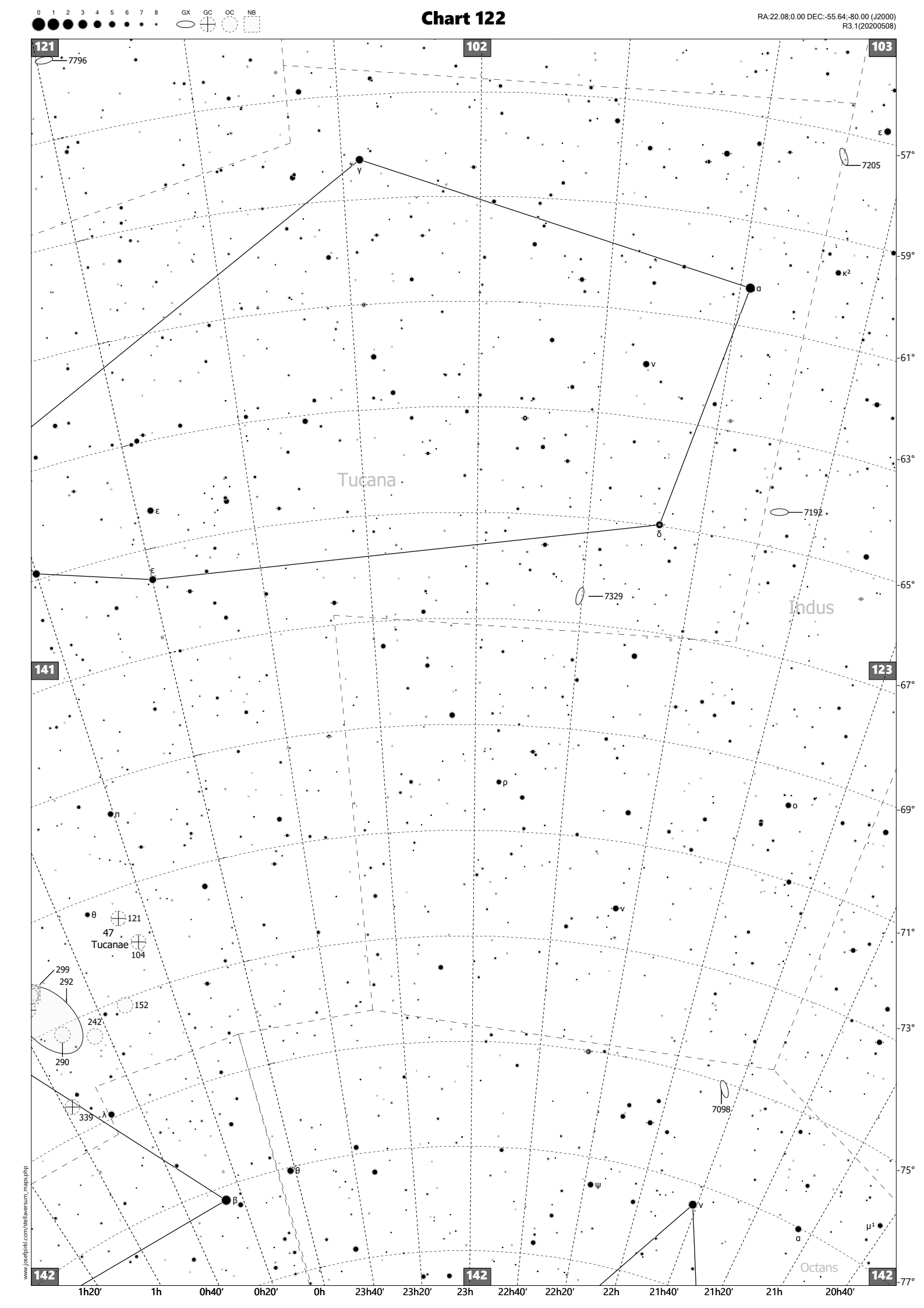
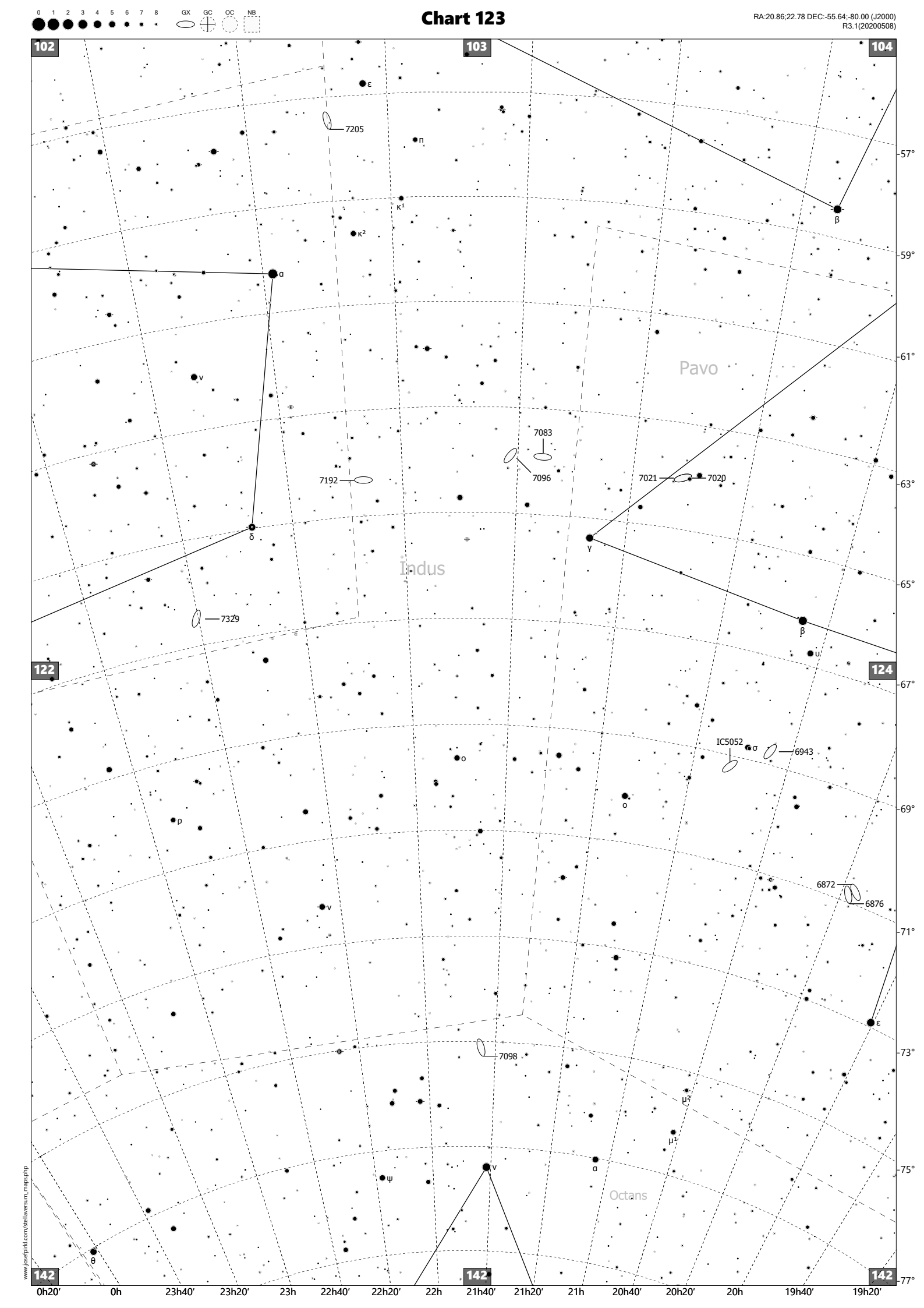
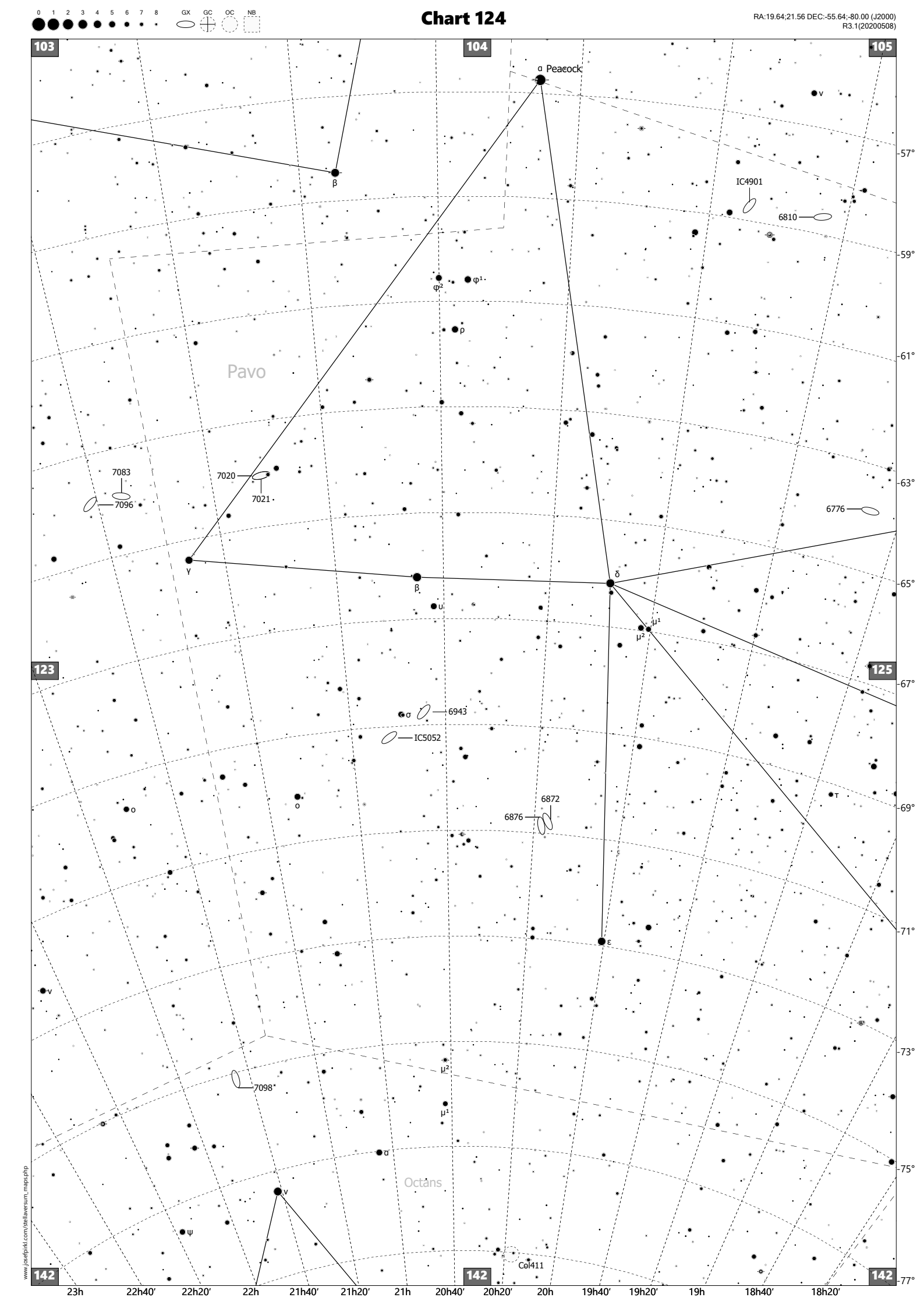
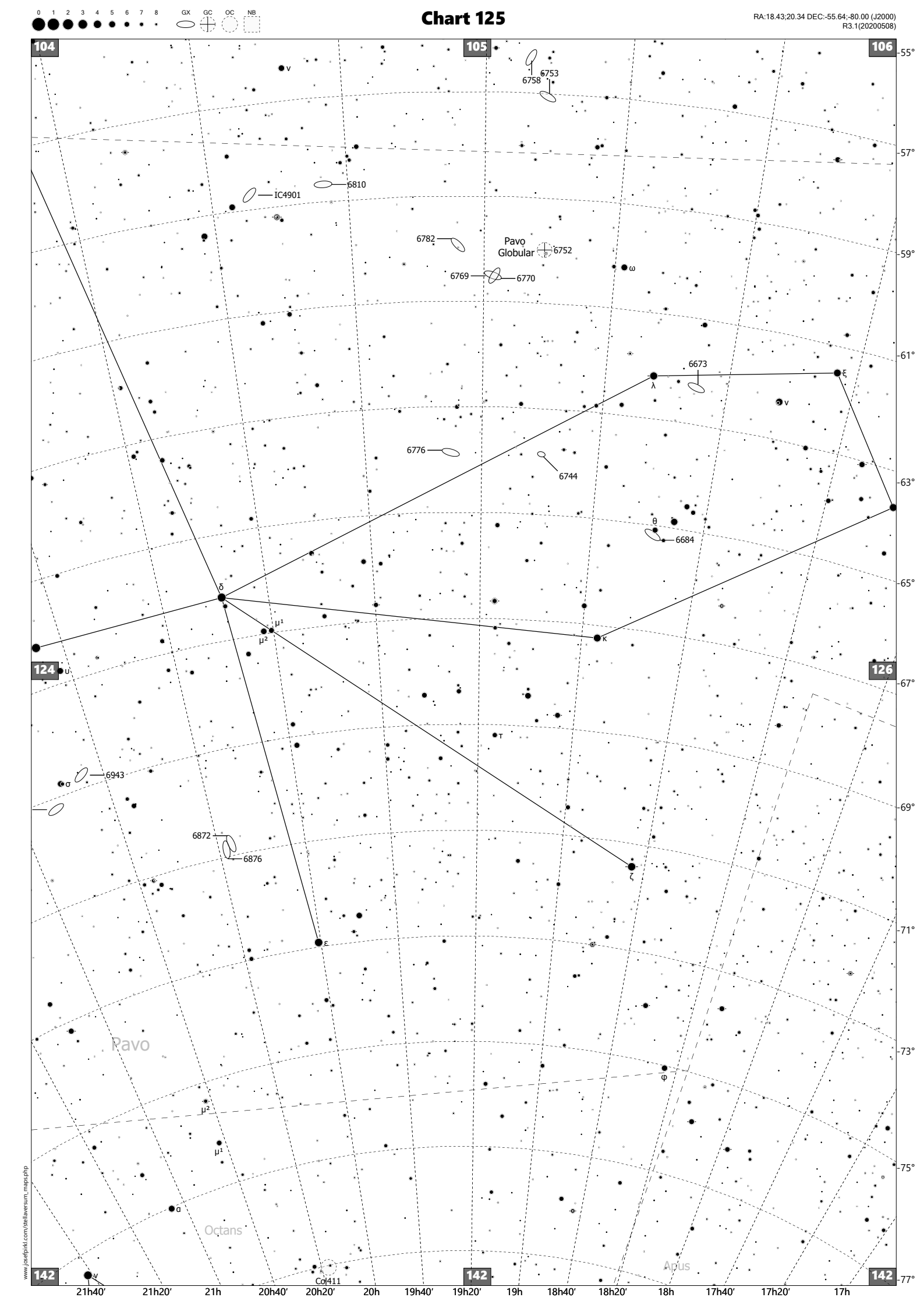
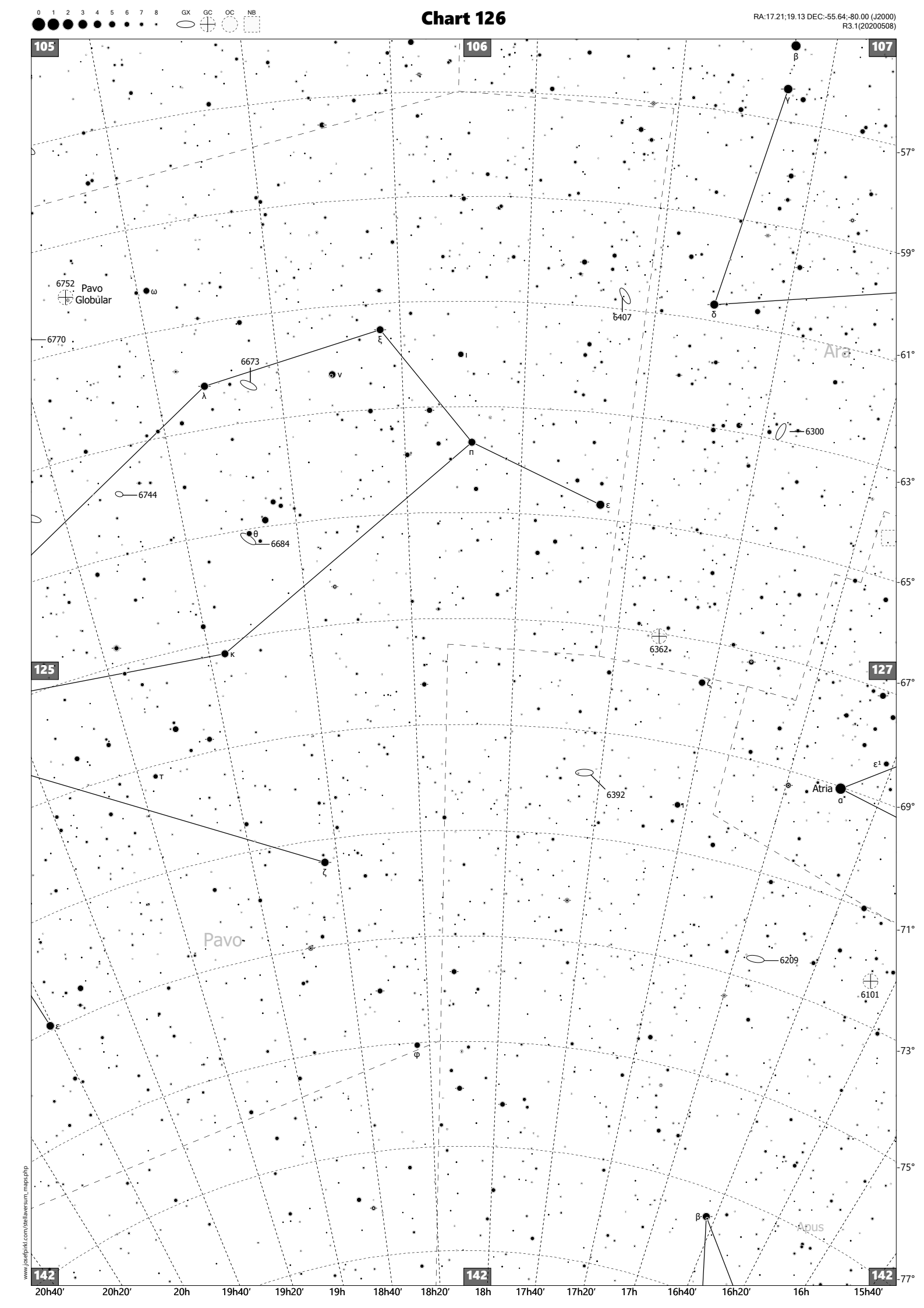

Chart 121
RA:22.93;0.85 DEC:-32.79;-58.64 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
100
101
82
120
102
140
141
122
Sculptor
Grus
Phoenix
Ankaa
Grus Quartet
IC5332
IC5325
IC5308
7713
7744
7590
7599
7582
7552
7531
7496
7689
7796
55
134
33°
35°
37°
39°
41°
43°
45°
47°
49°
51°
53°
55°
57°
0h40′
0h20′
0h
23h40′
23h20′
23h
www.jsefpirkl.com/stellaversum_maps.php


Chart 122
RA:22.08;0.00 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
121
102
103
141
123
142
142
142
7796
7205
7192
7329
7098
Tucana
Indus
Octans
47
Tucanae
104
121
152
242
290
292
299
339
γ
α
δ
ε
ζ
κ²
ν
ρ
π
ο
θ
λ
β
θ
ψ
ν
α
μ¹
57°
59°
61°
63°
65°
67°
69°
71°
73°
75°
77°
1h20′
1h
0h40′
0h20′
0h
23h40′
23h20′
23h
22h40′
22h20′
22h
21h40′
21h20′
21h
20h40′
www.jsefpirkl.com/stellaversum_maps.php


Chart 123
RA:20.86;22.78 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
102
103
104
122
124
142
142
142
Pavo
Indus
Octans
7205
7083
7096
7192
7021
7020
7329
IC5052
6943
6872
6876
7098
ε
η
κ¹
κ²
α
β
ν
γ
δ
ρ
σ
ο
μ¹
μ²
ψ
θ
57°
59°
61°
63°
65°
67°
69°
71°
73°
75°
77°
0h20′
0h
23h40′
23h20′
23h
22h40′
22h20′
22h
21h40′
21h20′
21h
20h40′
20h20′
20h
19h40′
19h20′
www.jsefpirkl.com/stellaversum_maps.php

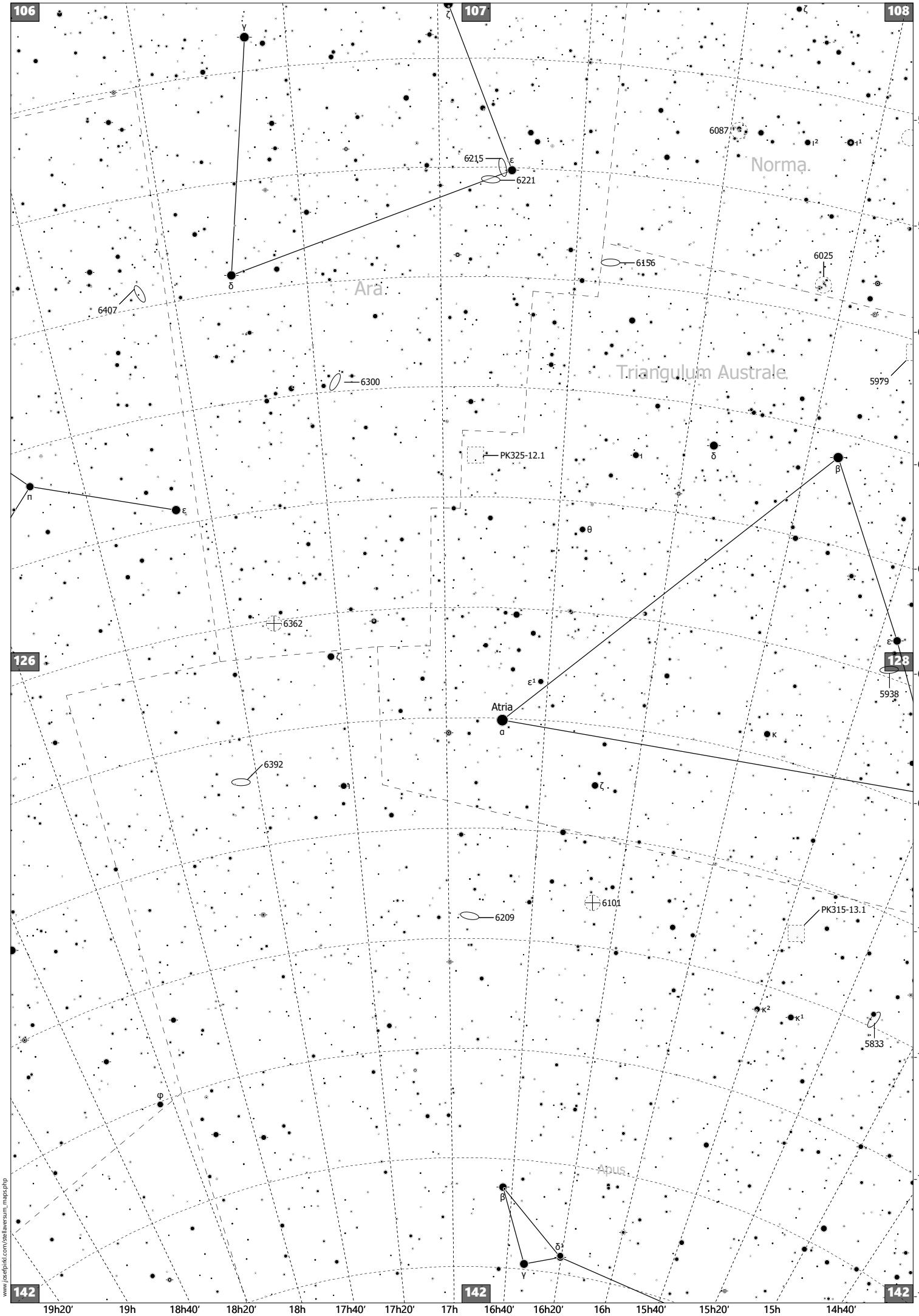

0 1 2 3 4 5 6 7 8
GX GC OC NB
Chart 124
RA:19.64;21.56 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
103
104
105
123
125
142
142
142
α Peacock
β
v
IC4901
6810
φ²
φ¹
ρ
Pavo
7083
7096
7020
7021
6776
γ
β
δ
υ
μ¹
μ²
σ
6943
IC5052
o
o
6872
6876
τ
ε
v
μ²
7098
μ¹
α
Octans
v
ψ
Col411
57°
59°
61°
63°
65°
67°
69°
71°
73°
75°
77°
23h
22h40′
22h20′
22h
21h40′
21h20′
21h
20h40′
20h20′
20h
19h40′
19h20′
19h
18h40′
18h20′
www.josefpirkl.com/stellaversum_maps.php


Chart 125
RA:18.43;20.34 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
104
105
106
124
126
142
142
142
55°
57°
59°
61°
63°
65°
67°
69°
71°
73°
75°
77°
6758
6753
IC4901
6810
6782
Pavo Globular
6752
6769
6770
ω
6673
λ
ξ
ν
6776
6744
θ
6684
δ
μ¹
μ²
κ
υ
τ
σ
6943
6872
6876
ζ
ε
Pavo
φ
μ²
μ¹
α
Octans
ν
Col411
Apus
21h40′
21h20′
21h
20h40′
20h20′
20h
19h40′
19h20′
19h
18h40′
18h20′
18h
17h40′
17h20′
17h
www.jsfdpinkl.com/stellaversum_maps.php

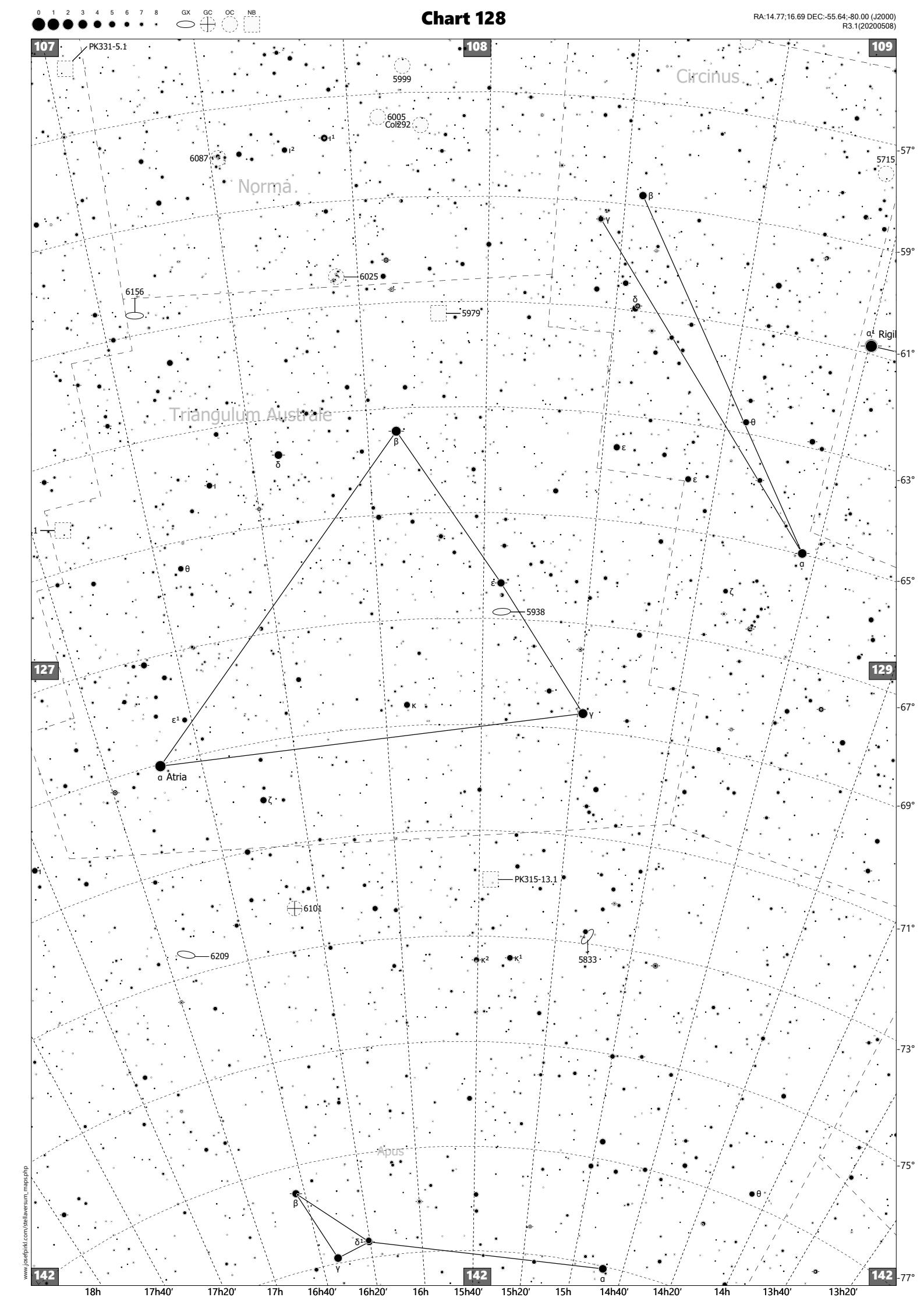

0 1 2 3 4 5 6 7 8
GX GC OC NB
Chart 126
RA:17.21;19.13 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
105
106
107
125
127
142
142
142
6752
Pavo
Globular
ω
6770
6673
λ
ν
ξ
ι
η
ε
6744
θ
6684
κ
6407
δ
β
γ
Ara
6300
6362
ζ
τ
6392
Atria
α
ε¹
Pavo
6209
6101
ε
φ
β
Apus
57°
59°
61°
63°
65°
67°
69°
71°
73°
75°
77°
20h40′
20h20′
20h
19h40′
19h20′
19h
18h40′
18h20′
18h
17h40′
17h20′
17h
16h40′
16h20′
16h
15h40′
www.jsfdpinkl.com/stellaversum_maps.php

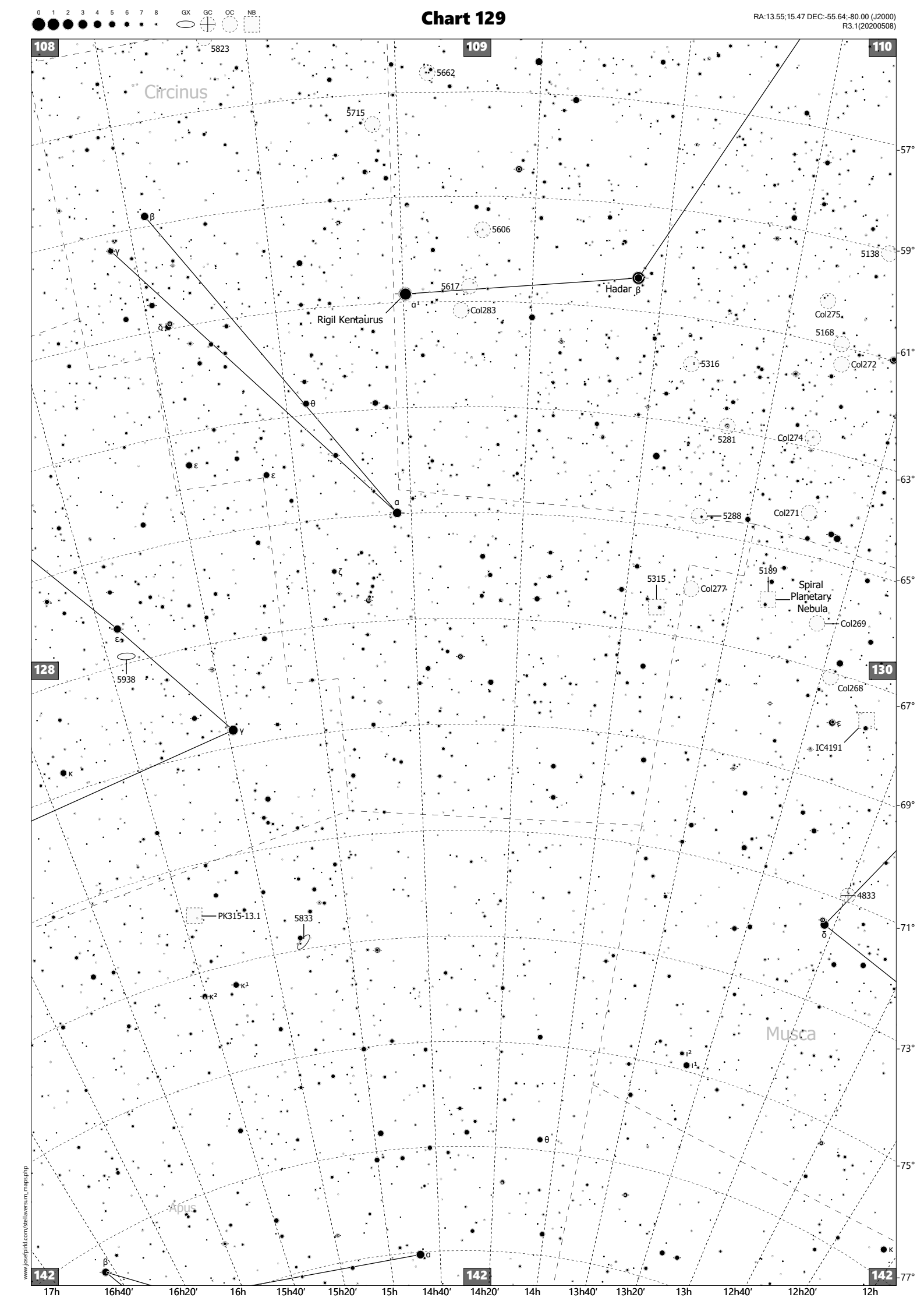
# Chart 127

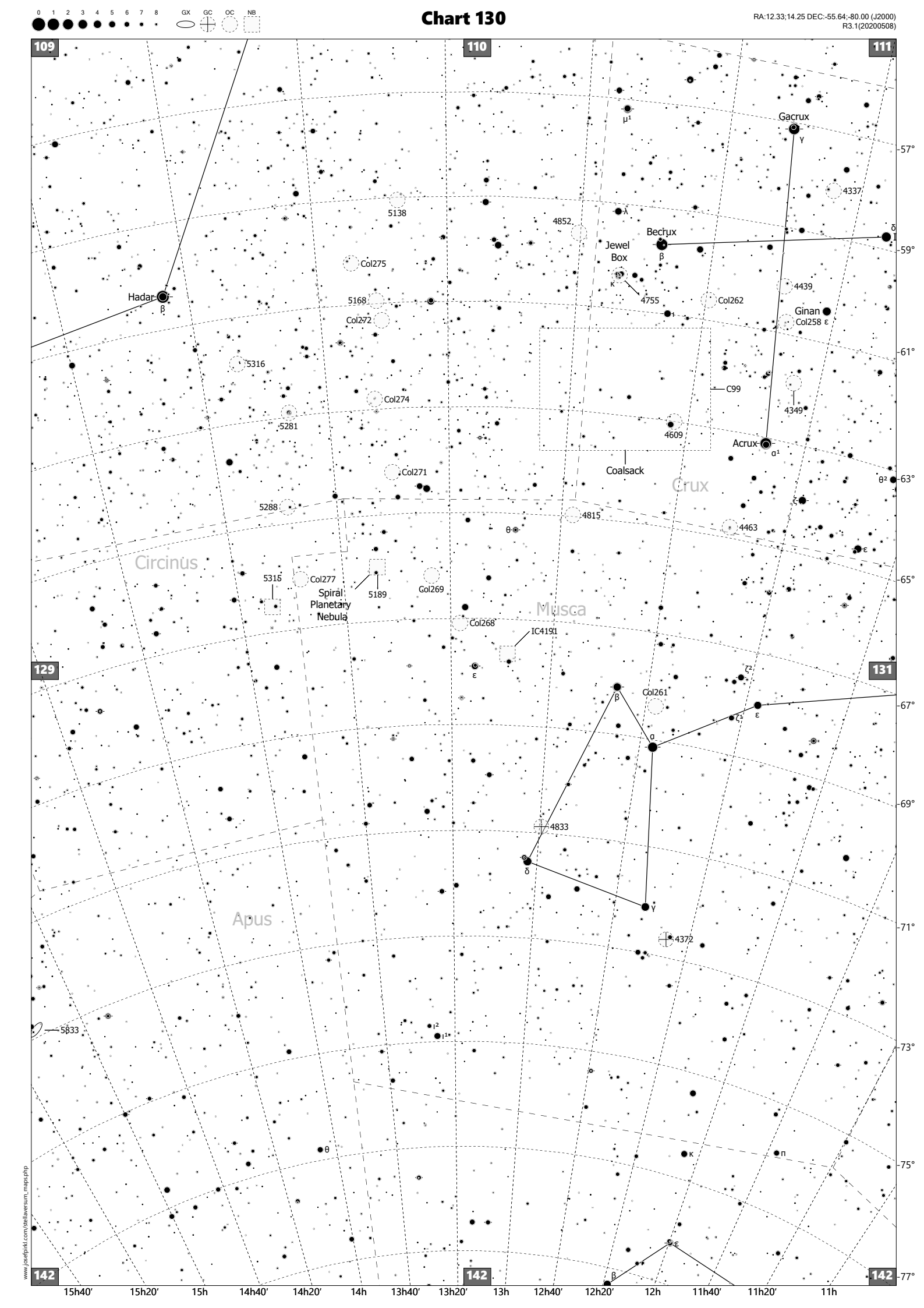
RA:15.99;17.91 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)

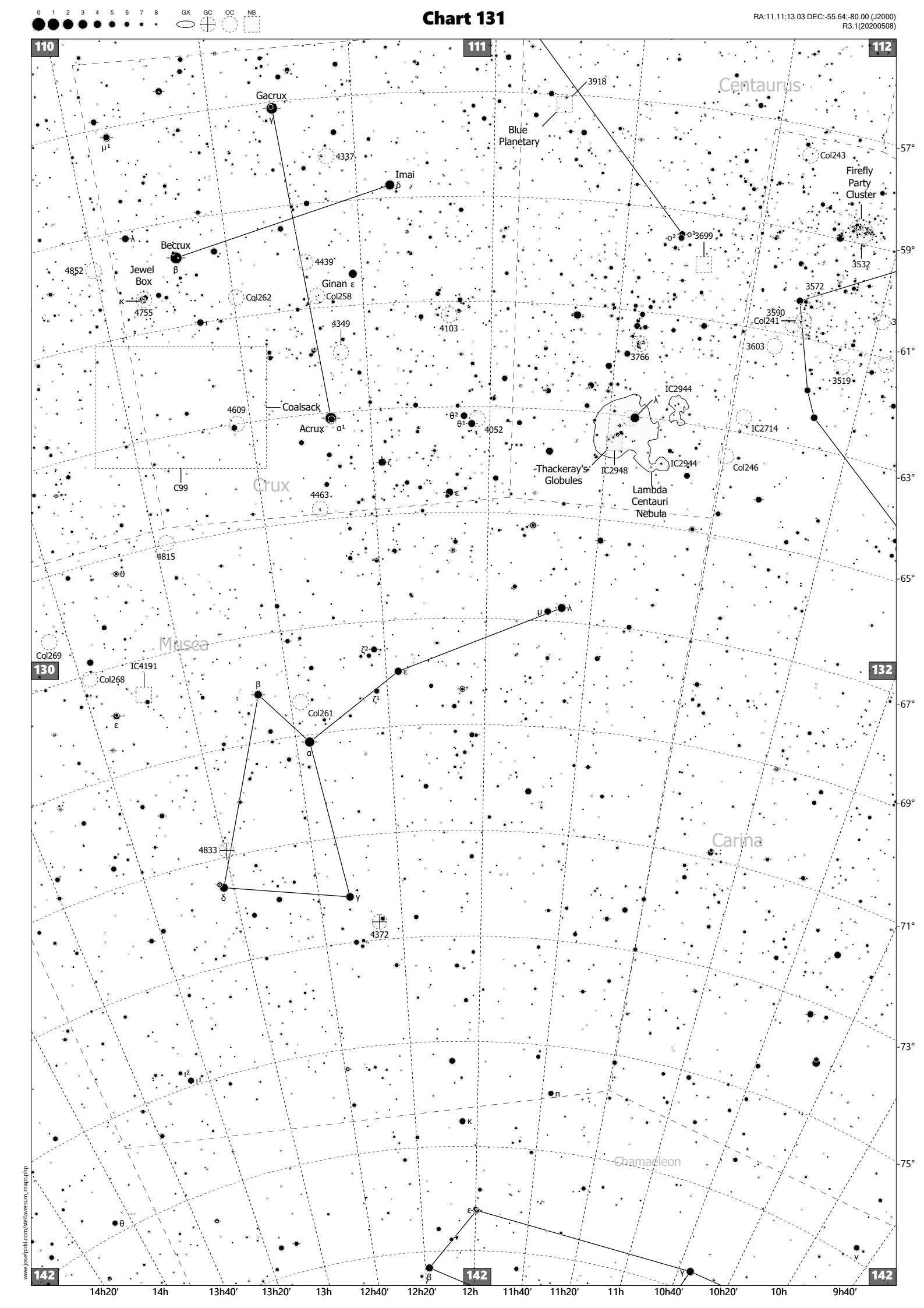


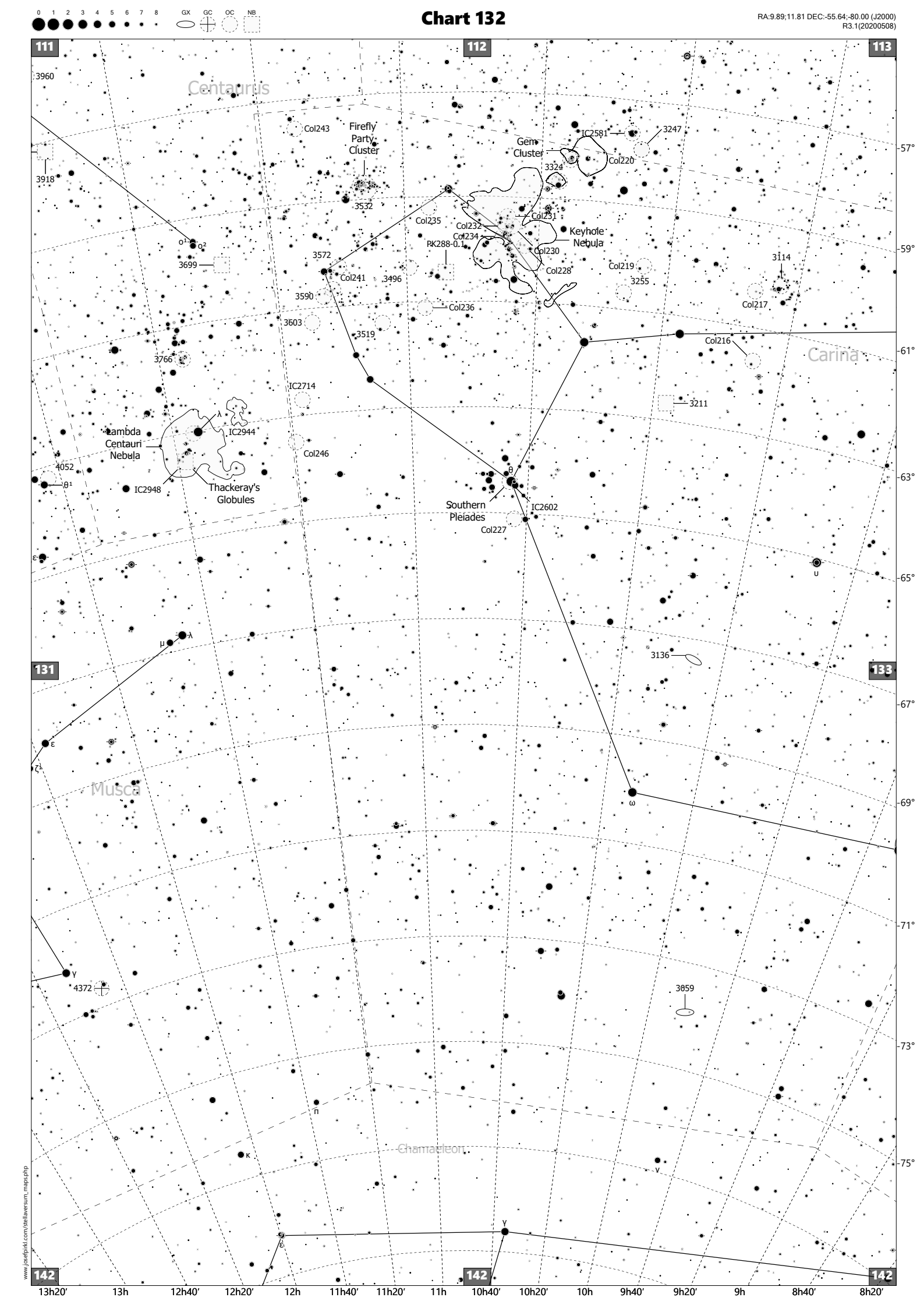

www.josefpirkl.com/stellaversum_maps.php


Chart 128
RA:14.77;16.69 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
107
108
109
127
129
142
142
142
PK331-5.1
5999
6005
Col292
6087
Norma
Circinus
5715
6025
6156
5979
Triangulum Australe
Rigil
5938
α Atria
PK315-13.1
6101
6209
5833
Apus
18h
17h40′
17h20′
17h
16h40′
16h20′
16h
15h40′
15h20′
15h
14h40′
14h20′
14h
13h40′
13h20′
57°
59°
61°
63°
65°
67°
69°
71°
73°
75°
77°
www.josefpirkl.com/stellaversum_maps.php


Chart 129
RA:13.55;15.47 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
108
109
110
128
130
142
142
142
Circinus
Musca
Apus
5823
5662
5715
5606
5617
Col283
Rigil Kentaurus
Hadar β
5138
Col275
5168
Col272
5316
5281
Col274
5288
Col271
5315
Col277
5189
Spiral Planetary Nebula
Col269
5938
Col268
IC4191
PK315-13.1
5833
4833
α
β
γ
δ
ε
ζ
θ
κ
ι
17h
16h40′
16h20′
16h
15h40′
15h20′
15h
14h40′
14h20′
14h
13h40′
13h20′
13h
12h40′
12h20′
12h
-57°
-59°
-61°
-63°
-65°
-67°
-69°
-71°
-73°
-75°
-77°
www.jsfdpirkl.com/stellaversum_maps.php

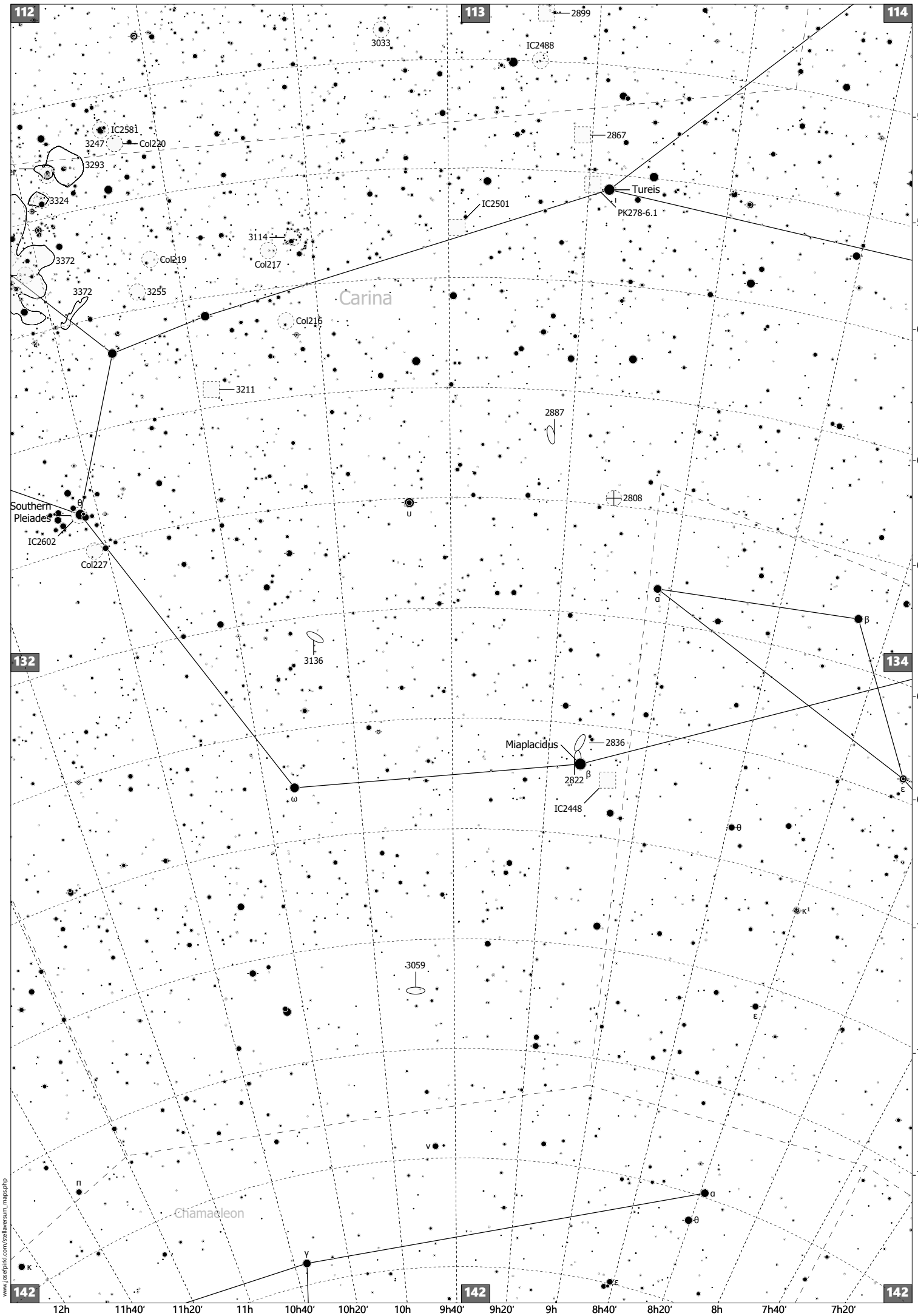

Chart 130
RA:12.33;14.25 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
109
110
111
129
131
142
142
142
Gacrux
Becrux
Jewel Box
Hadar
Ginan
Acrux
Coalsack
Crux
Circinus
Musca
Apus
Spiral Planetary Nebula
IC4191
C99
Col275
Col272
Col274
Col271
Col277
Col269
Col268
Col262
Col258
Col261
5138
5168
5316
5281
5288
5315
5189
4852
4755
4337
4439
4349
4609
4815
4463
4833
4372
5833
57°
59°
61°
63°
65°
67°
69°
71°
73°
75°
77°
15h40′
15h20′
15h
14h40′
14h20′
14h
13h40′
13h20′
13h
12h40′
12h20′
12h
11h40′
11h20′
11h
www.jsefpirkl.com/stellaversum_maps.php


Chart 131
RA:11.11;13.03 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
110
111
112
130
132
142
142
142
Centaurus
Crux
Musca
Carina
Chamaeleon
Gacrux
Imai
Becrux
Jewel Box
Ginan
Acrux
Coalsack
C99
Blue Planetary
Firefly Party Cluster
Thackeray's Globules
Lambda Centauri Nebula
IC2944
IC2948
IC2714
Col246
Col243
Col241
Col262
Col258
Col261
Col268
Col269
IC4191
3918
3699
3532
3572
3590
3603
3519
3766
4337
4439
4852
4755
4103
4349
4609
4463
4815
4052
4833
4372
57°
59°
61°
63°
65°
67°
69°
71°
73°
75°
14h20′
14h
13h40′
13h20′
13h
12h40′
12h20′
12h
11h40′
11h20′
11h
10h40′
10h20′
10h
9h40′
www.jsfdpinkl.com/stellaversum_maps.php

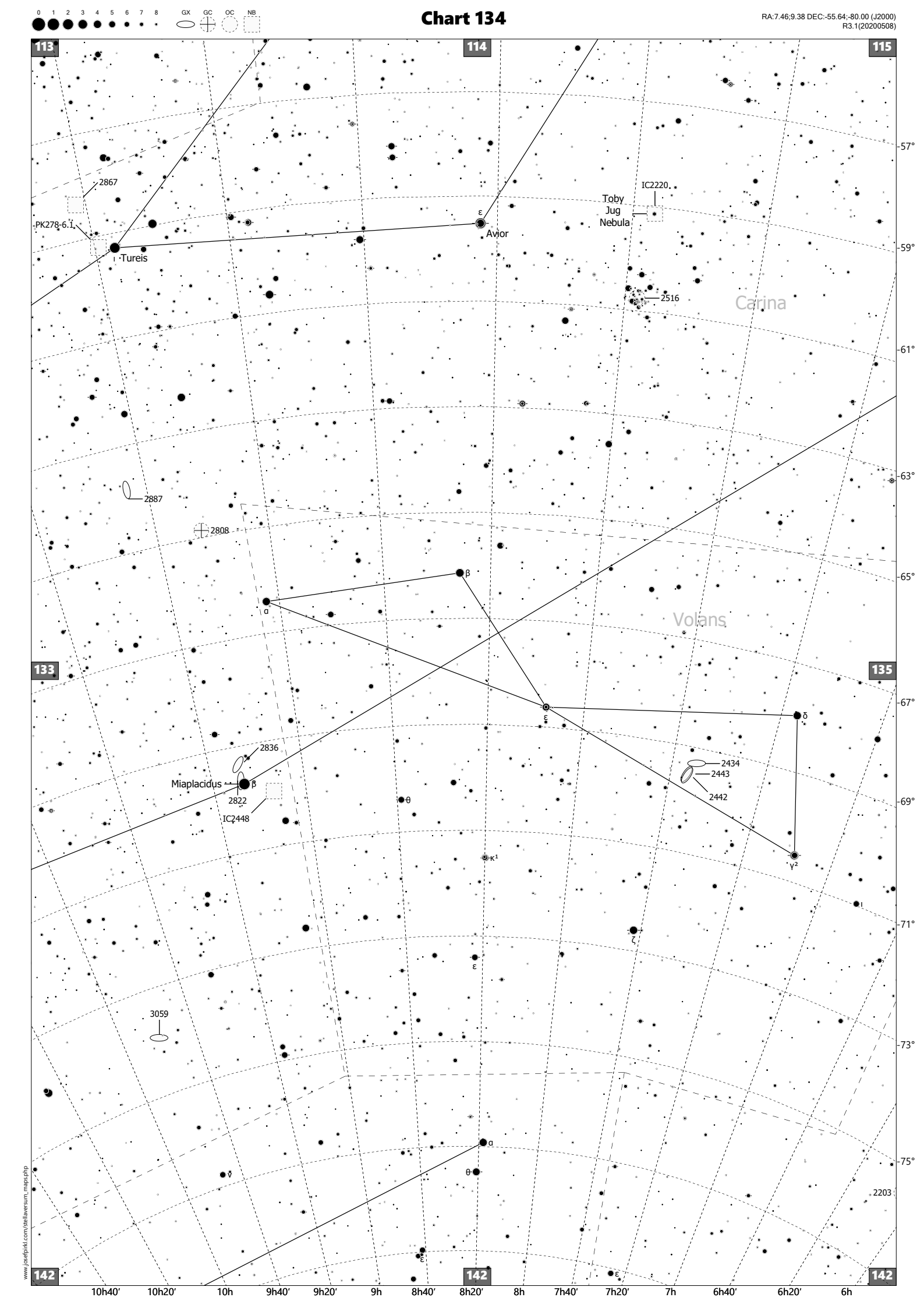

Chart 132
RA:9.89;11.81 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
111
112
113
131
133
142
142
142
Centaurus
Carina
Musca
Chamaeleon
Firefly Party Cluster
Gem Cluster
Keyhole Nebula
Lambda Centauri Nebula
Thackeray's Globules
Southern Pleiades
Col243
IC2581
3247
Col220
3324
3532
Col235
Col232
Col234
Col231
PK288-0.1
Col230
Col228
3572
3699
Col241
3496
3590
Col236
3603
3519
3766
IC2714
IC2944
Col246
4052
IC2948
IC2602
Col227
3114
Col219
3255
Col217
Col216
3211
3136
3059
4372
3960
3918
13h20′
13h
12h40′
12h20′
12h
11h40′
11h20′
11h
10h40′
10h20′
10h
9h40′
9h20′
9h
8h40′
8h20′
-57°
-59°
-61°
-63°
-65°
-67°
-69°
-71°
-73°
-75°
www.josefpirkl.com/stellaversum_maps.php

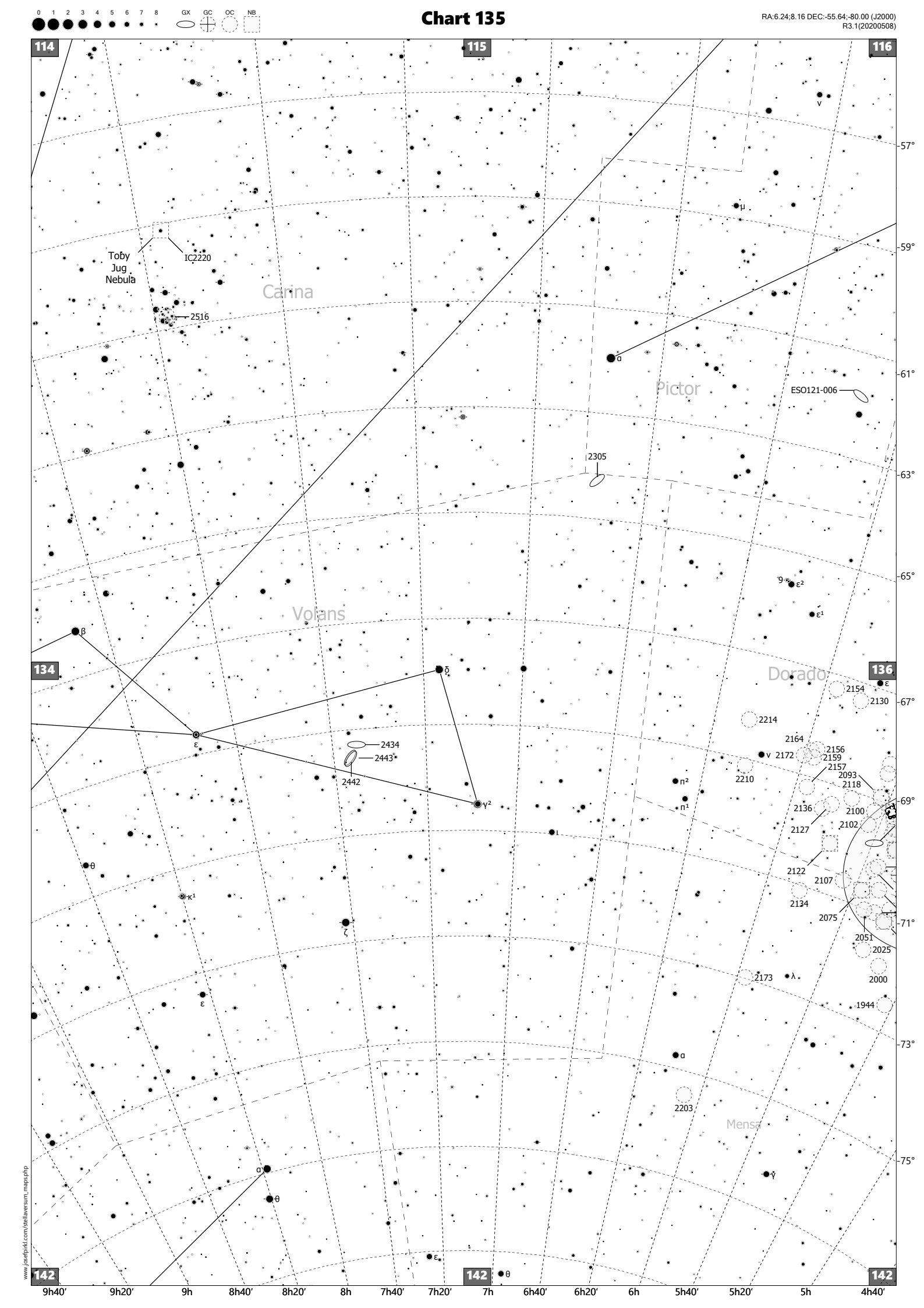
# Chart 133

RA:8.68;10.59 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)



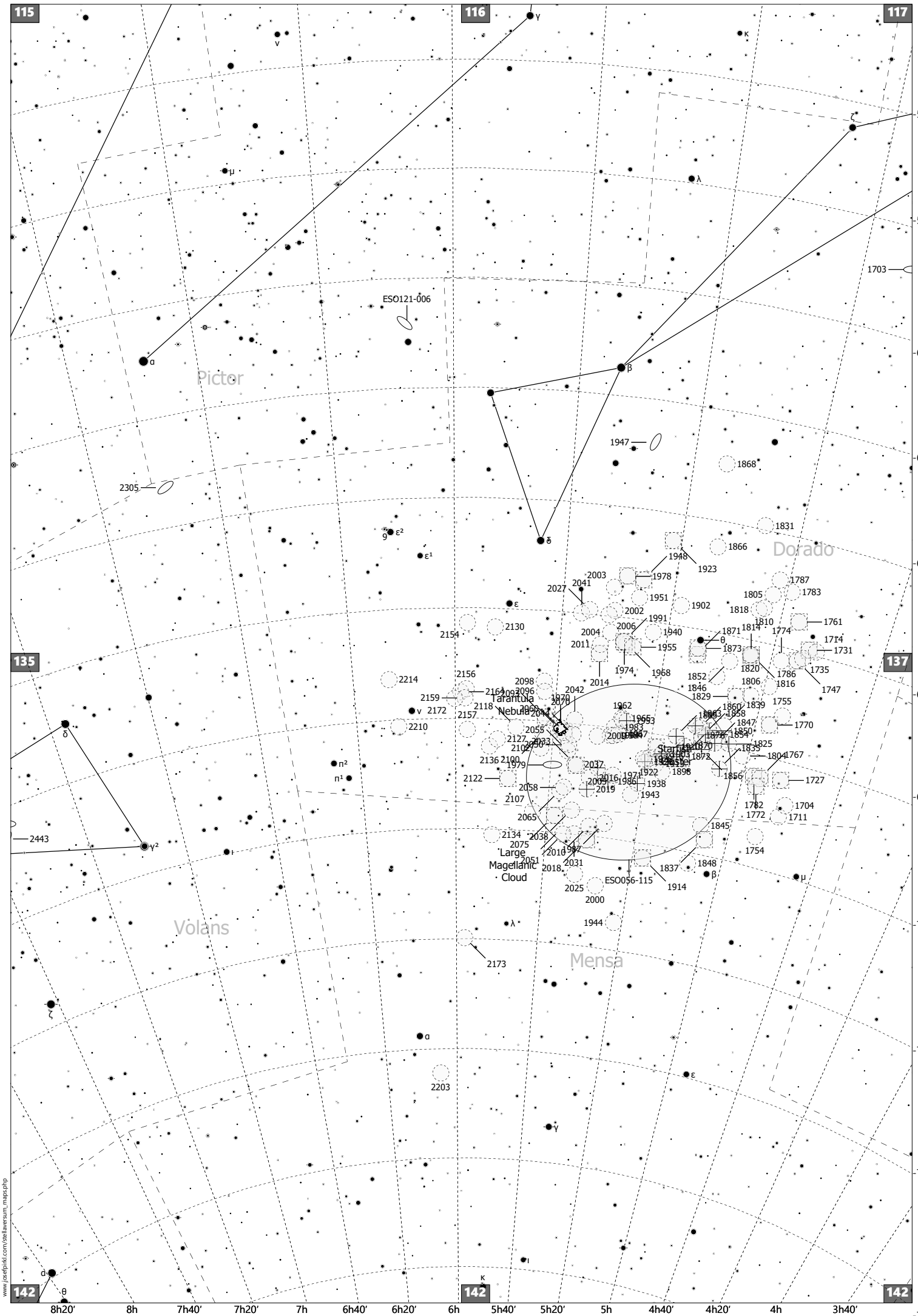

www.jsefpirkl.com/stellaversum_maps.php


Chart 134
RA:7.46;9.38 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
113
114
115
133
135
142
142
142
57°
59°
61°
63°
65°
67°
69°
71°
73°
75°
10h40′ 10h20′ 10h 9h40′ 9h20′ 9h 8h40′ 8h20′ 8h 7h40′ 7h20′ 7h 6h40′ 6h20′ 6h
2867
PK278-6.1
Tureis
ε
Avior
IC2220
Toby
Jug
Nebula
2516
Carina
2887
2808
β
α
Volans
ε
δ
2836
Miaplacidus
β
2822
IC2448
θ
κ¹
γ²
2434
2443
2442
ζ
ε
3059
α
θ
ν
ε
ε
2203
www.jsefpirkl.com/stellaversum_maps.php

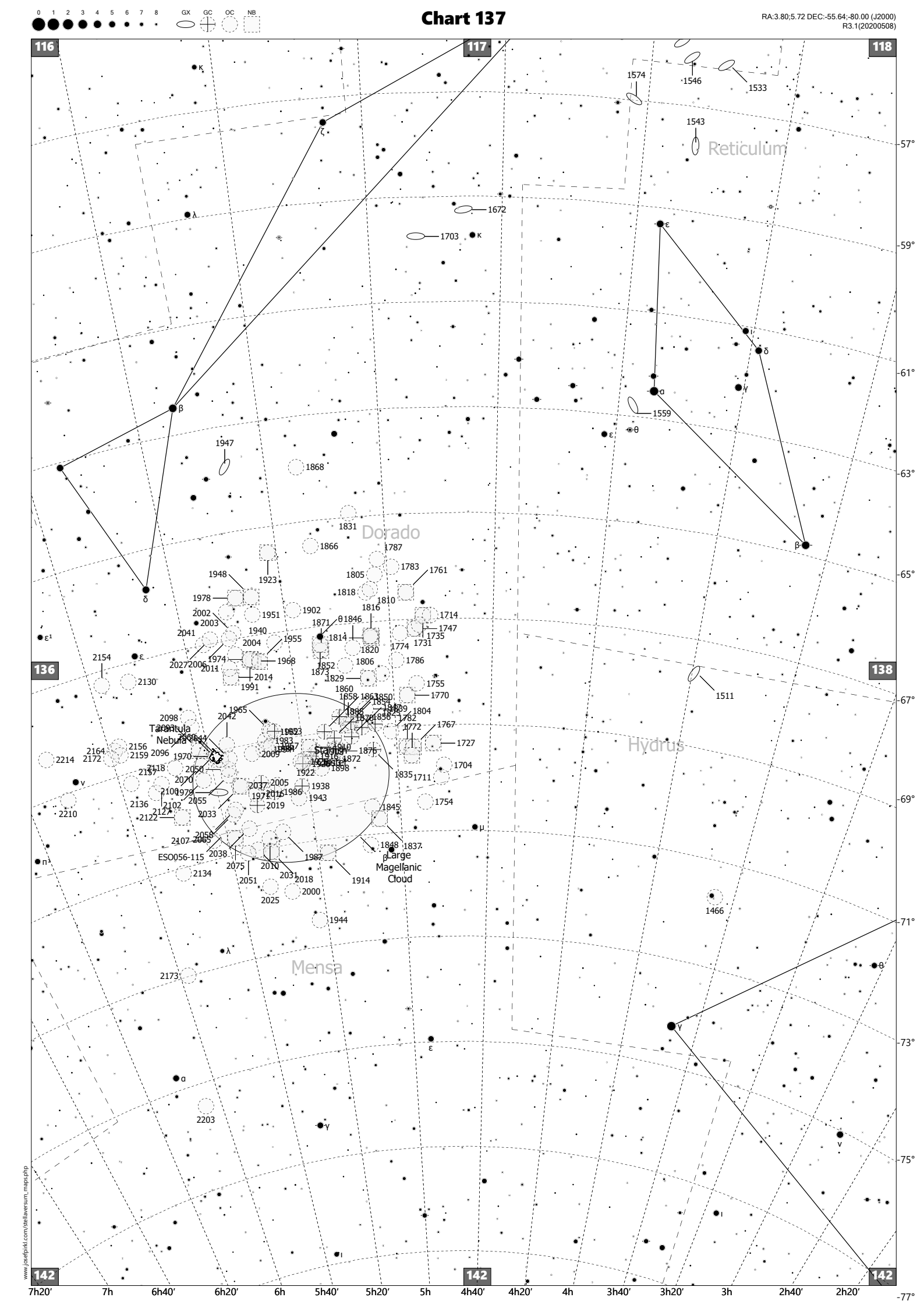

Chart 135
RA:6.24;8.16 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
114
115
116
134
136
142
142
142
Toby Jug Nebula
IC2220
2516
Carina
Pictor
ESO121-006
2305
Volans
Dorado
Mensa
2434
2443
2442
2154
2130
2214
2164
2156
2159
2157
2093
2118
2172
2210
2136
2100
2127
2102
2122
2107
2134
2075
2051
2025
2000
2173
1944
2203
57°
59°
61°
63°
65°
67°
69°
71°
73°
75°
9h40′
9h20′
9h
8h40′
8h20′
8h
7h40′
7h20′
7h
6h40′
6h20′
6h
5h40′
5h20′
5h
4h40′
www.jsdfpirkl.com/stellaversum_maps.php

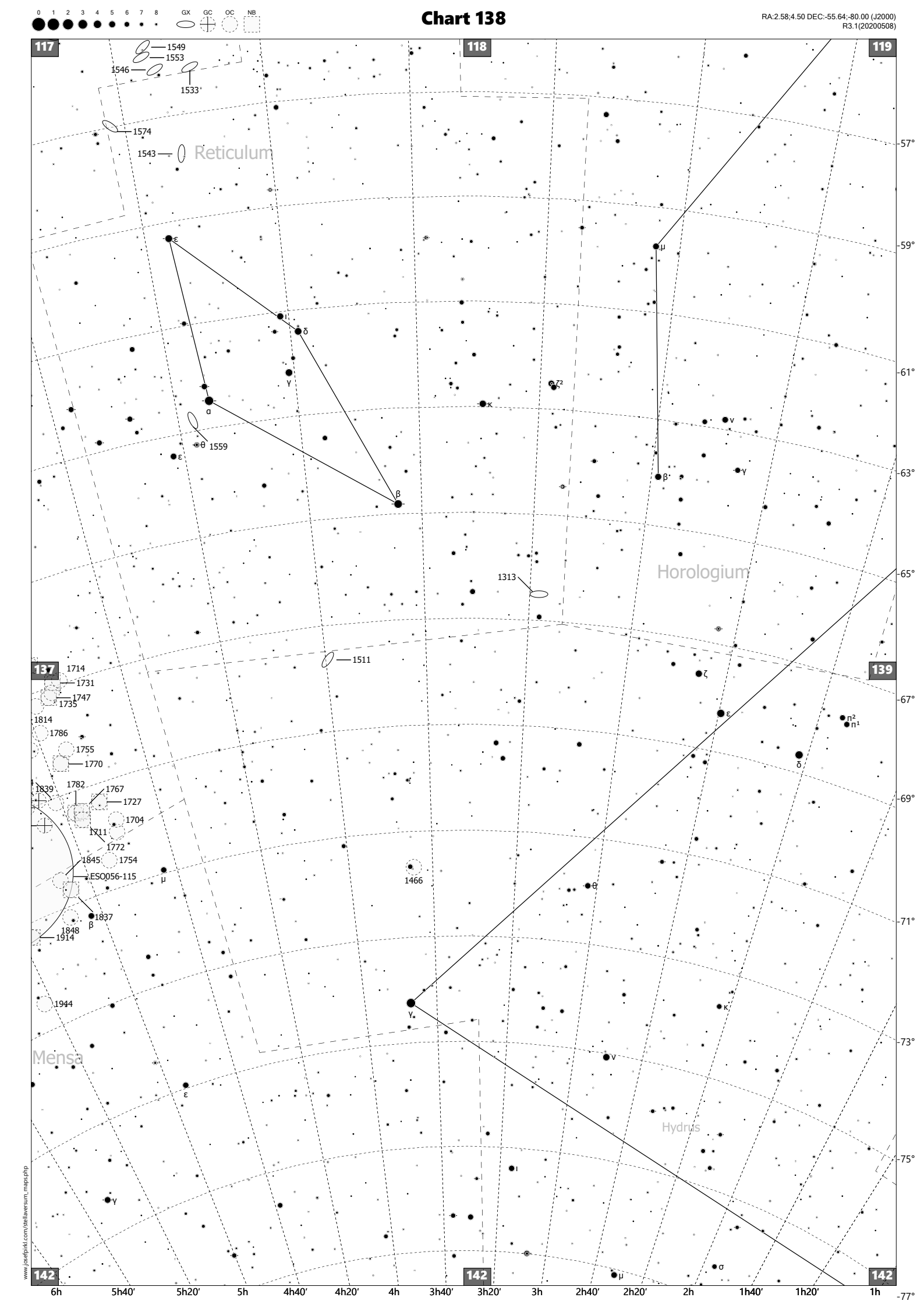
# Chart 136

RA:5.02;6.94 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)



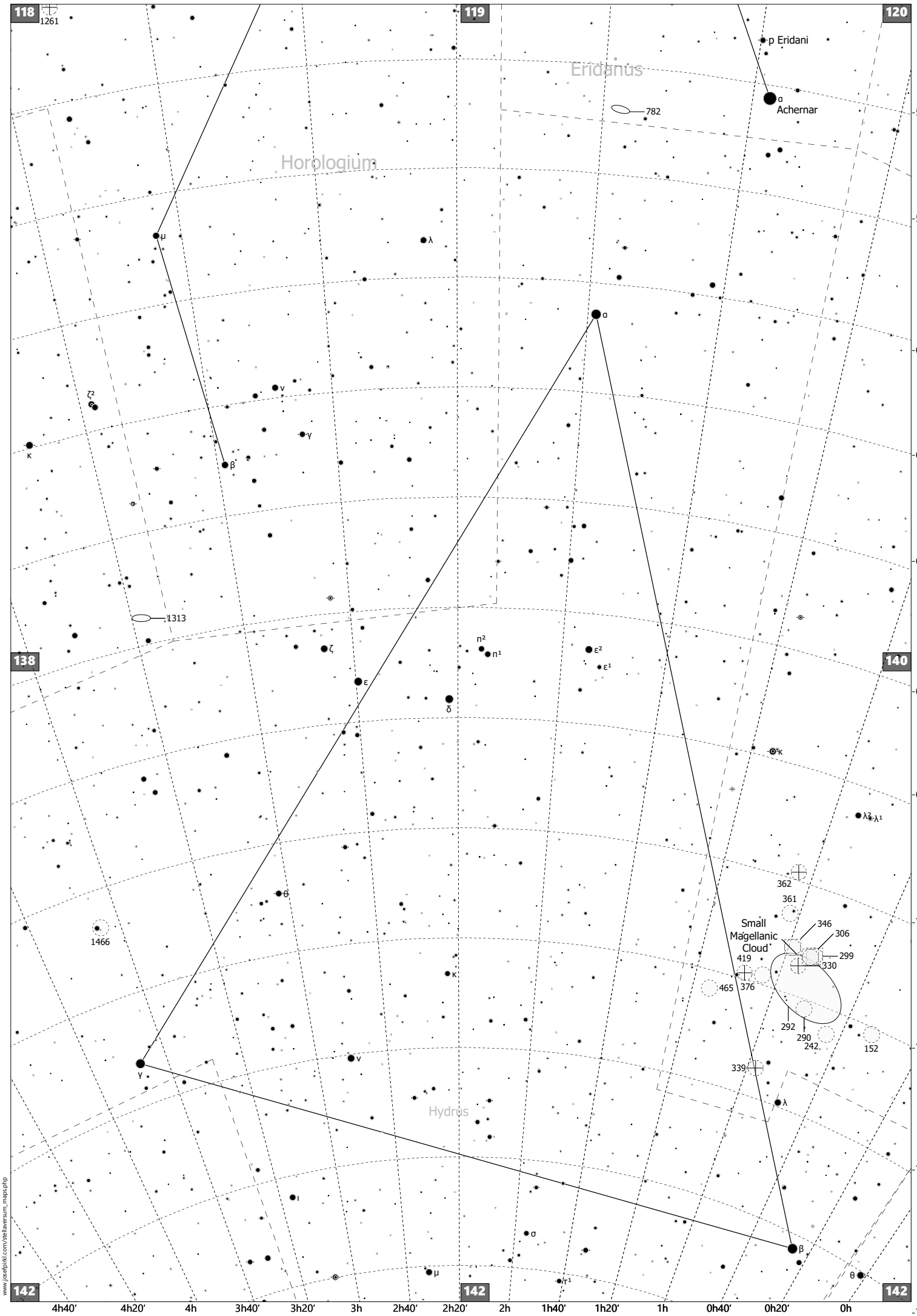

www.jsefpirkl.com/stellaversum_maps.php


Chart 137
RA:3.80;5.72 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
116
117
118
136
138
142
142
142
Reticulum
Dorado
Hydrus
Mensa
Tarantula Nebula
Large Magellanic Cloud
ESO056-115
57°
59°
61°
63°
65°
67°
69°
71°
73°
75°
77°
7h20′
7h
6h40′
6h20′
6h
5h40′
5h20′
5h
4h40′
4h20′
4h
3h40′
3h20′
3h
2h40′
2h20′
www.jsefpirkl.com/stellaversum_maps.php

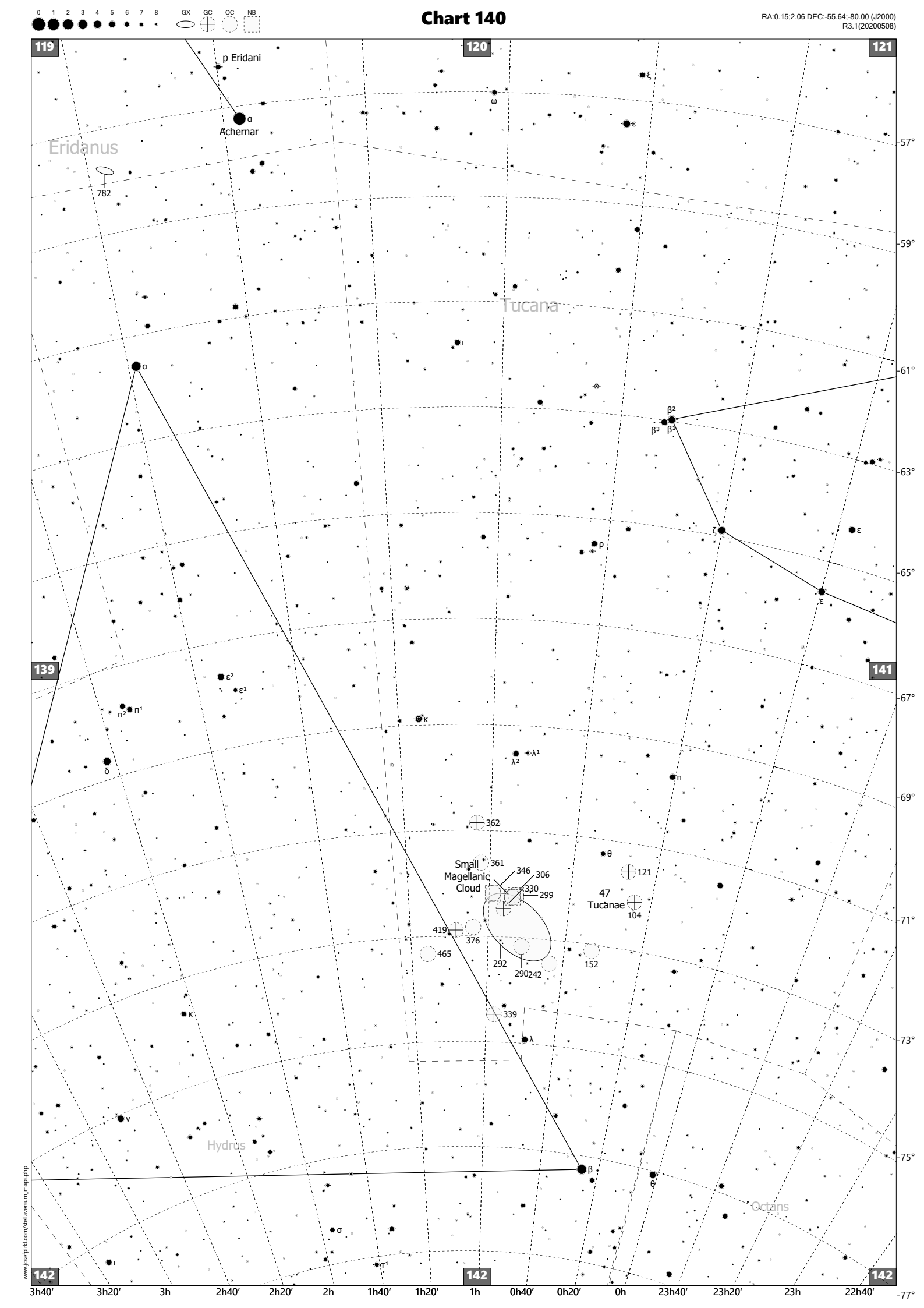

Chart 138
RA:2.58;4.50 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
117
118
119
137
139
142
142
142
1549
1553
1546
1533
1574
1543
Reticulum
1559
1313
Horologium
1511
1714
1731
1747
1735
1814
1786
1755
1770
1839
1782
1767
1727
1704
1711
1772
1845
1754
ESO056-115
1837
1848
1914
1944
1466
Mensa
Hydrus
6h
5h40′
5h20′
5h
4h40′
4h20′
4h
3h40′
3h20′
3h
2h40′
2h20′
2h
1h40′
1h20′
1h
-57°
-59°
-61°
-63°
-65°
-67°
-69°
-71°
-73°
-75°
-77°
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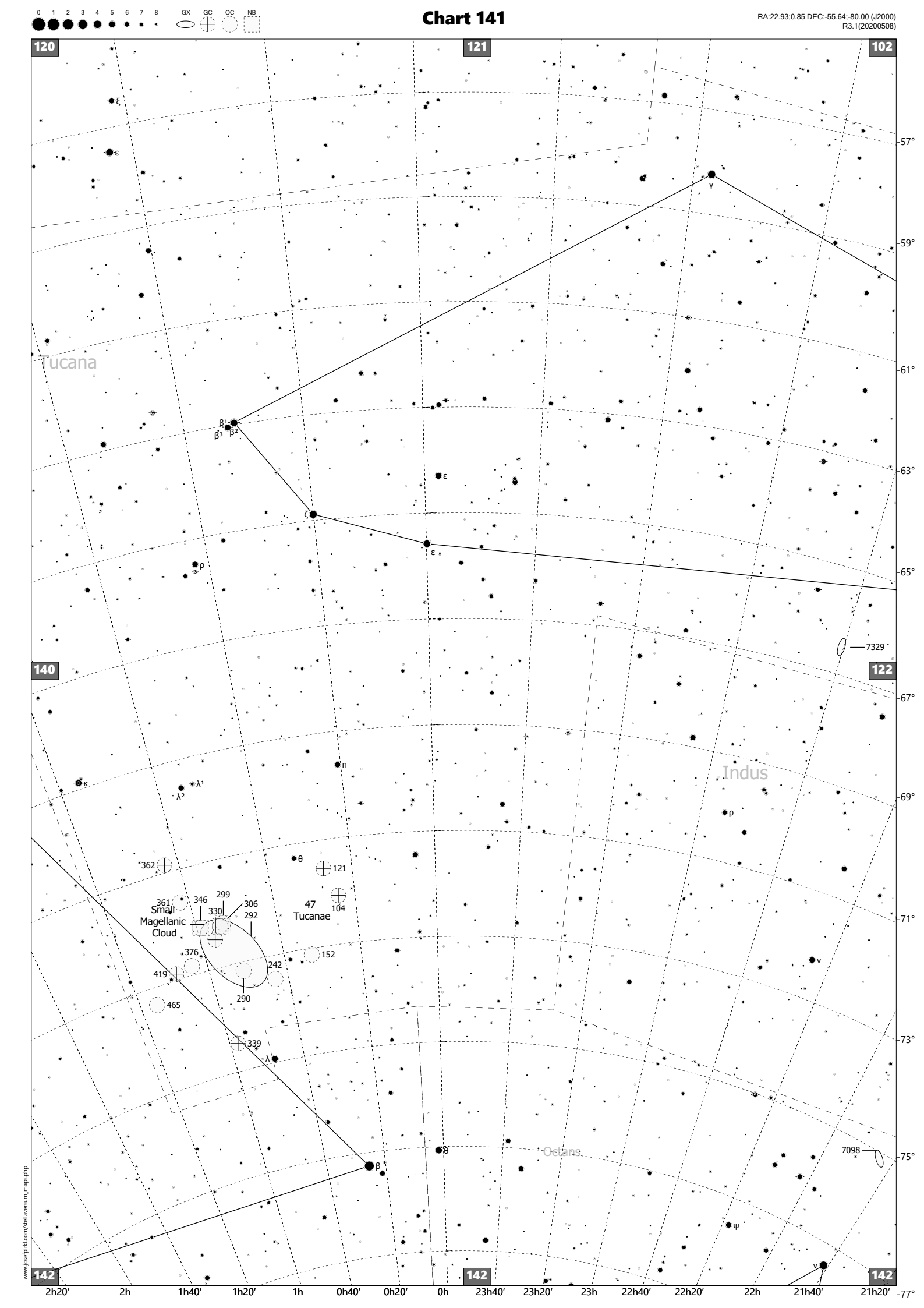
# Chart 139

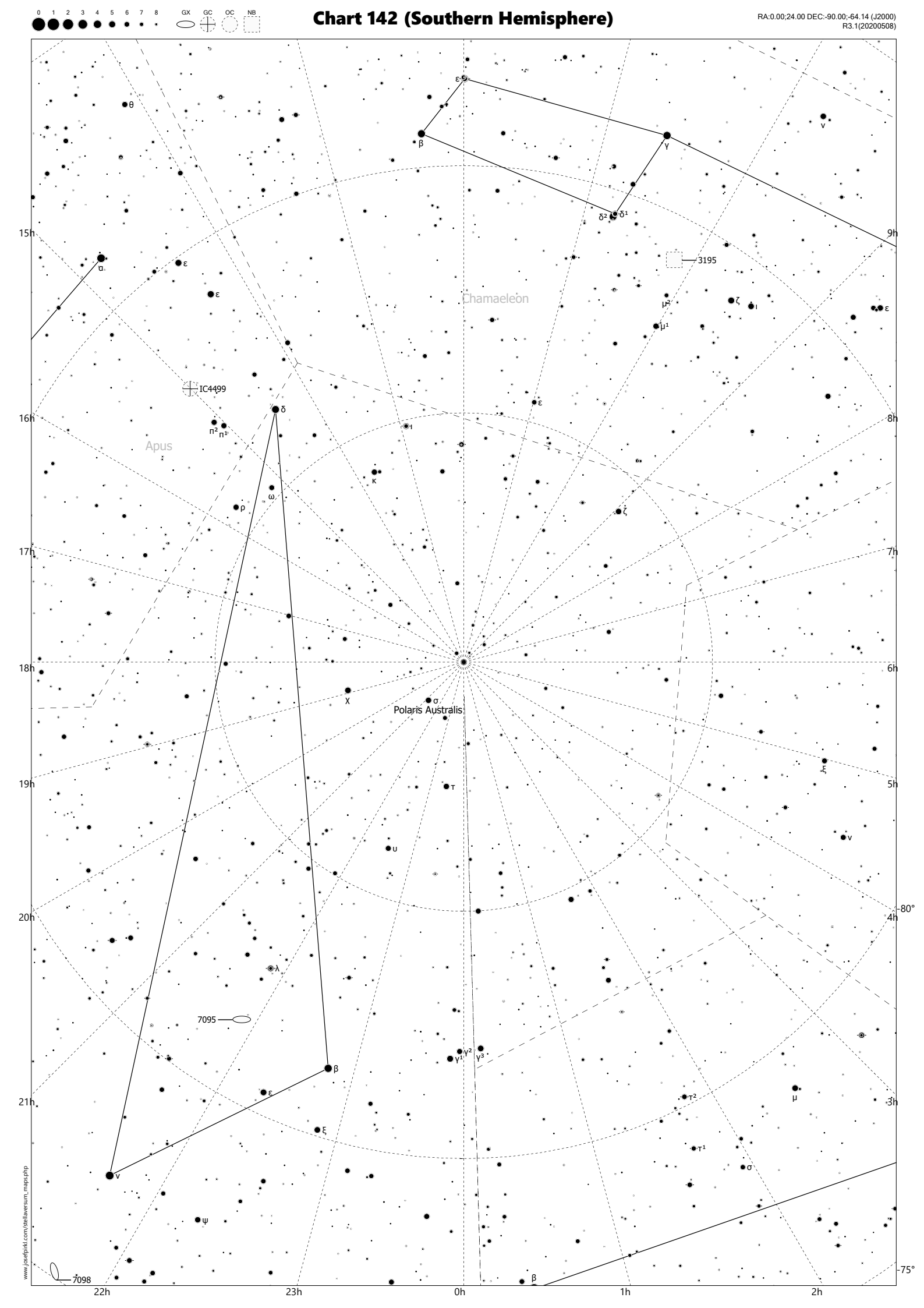
RA:1.36;3.28 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)




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Chart 140
RA:0.15;2.06 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
119
120
121
139
141
142
142
142
p Eridani
α
Achernar
Eridanus
782
Tucana
α
ξ
ω
ε
ι
β²
β³
β¹
ζ
ε
ρ
ε
ε²
ε¹
π²
π¹
κ
δ
λ²
λ¹
π
362
θ
Small
Magellanic
Cloud
361
346
306
330
299
121
47
Tucanae
104
419
376
465
292
290
242
152
339
λ
κ
ν
Hydrus
β
θ
Octans
σ
ι
τ¹
3h40′
3h20′
3h
2h40′
2h20′
2h
1h40′
1h20′
1h
0h40′
0h20′
0h
23h40′
23h20′
23h
22h40′
-57°
-59°
-61°
-63°
-65°
-67°
-69°
-71°
-73°
-75°
-77°
www.jsefpirkl.com/stellaversum_maps.php


Chart 141
RA:22.93;0.85 DEC:-55.64;-80.00 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
120
121
102
140
122
142
142
142
Tucana
Indus
Octans
Small Magellanic Cloud
47 Tucanae
ξ
ε
γ
β1
β3
β2
ε
ζ
ε
ρ
κ
λ1
λ2
π
ρ
θ
121
362
361
346
299
306
330
292
104
376
152
242
419
290
465
339
λ
β
θ
ν
ψ
ν
7329
7098
57°
59°
61°
63°
65°
67°
69°
71°
73°
75°
77°
2h20′
2h
1h40′
1h20′
1h
0h40′
0h20′
0h
23h40′
23h20′
23h
22h40′
22h20′
22h
21h40′
21h20′
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Chart 142 (Southern Hemisphere)
RA:0.00;24.00 DEC:-90.00;-64.14 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8
GX GC OC NB
Chamaeleon
Apus
Polaris Australis
IC4499
3195
7095
7098
15h
16h
17h
18h
19h
20h
21h
22h
23h
0h
1h
2h
3h
4h
5h
6h
7h
8h
9h
-80°
-75°
www.josefpirkl.com/stellaversum_maps.php