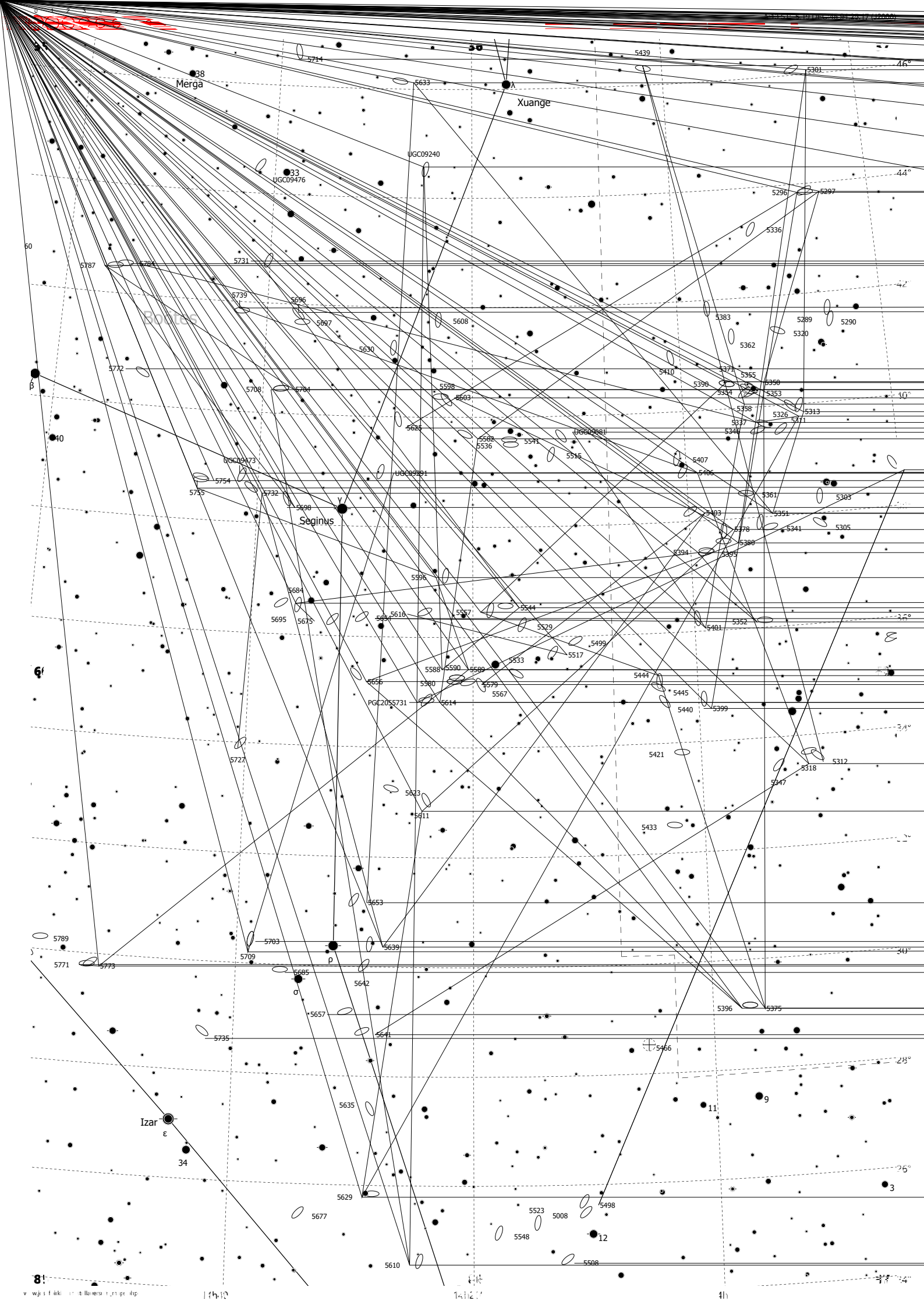
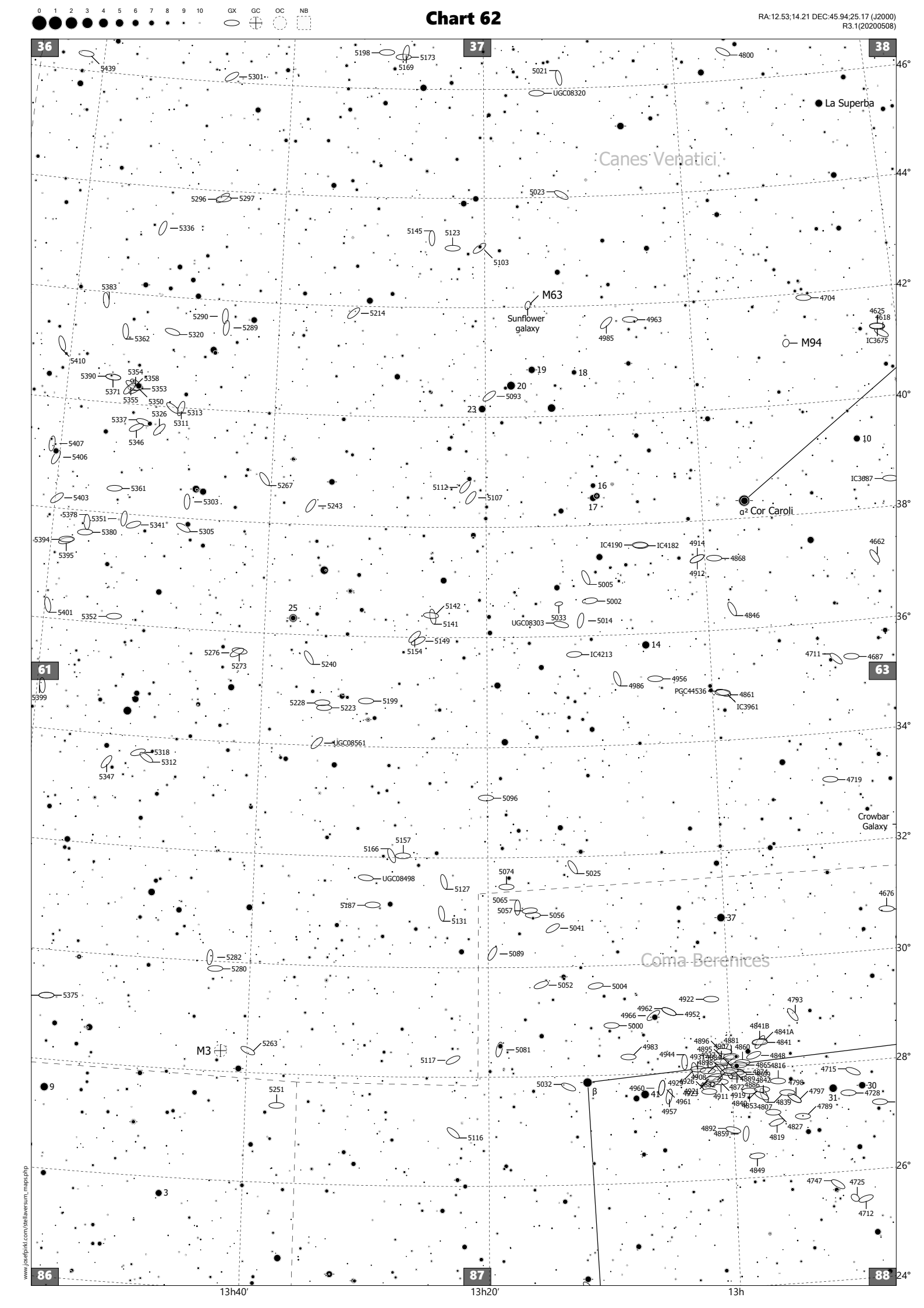
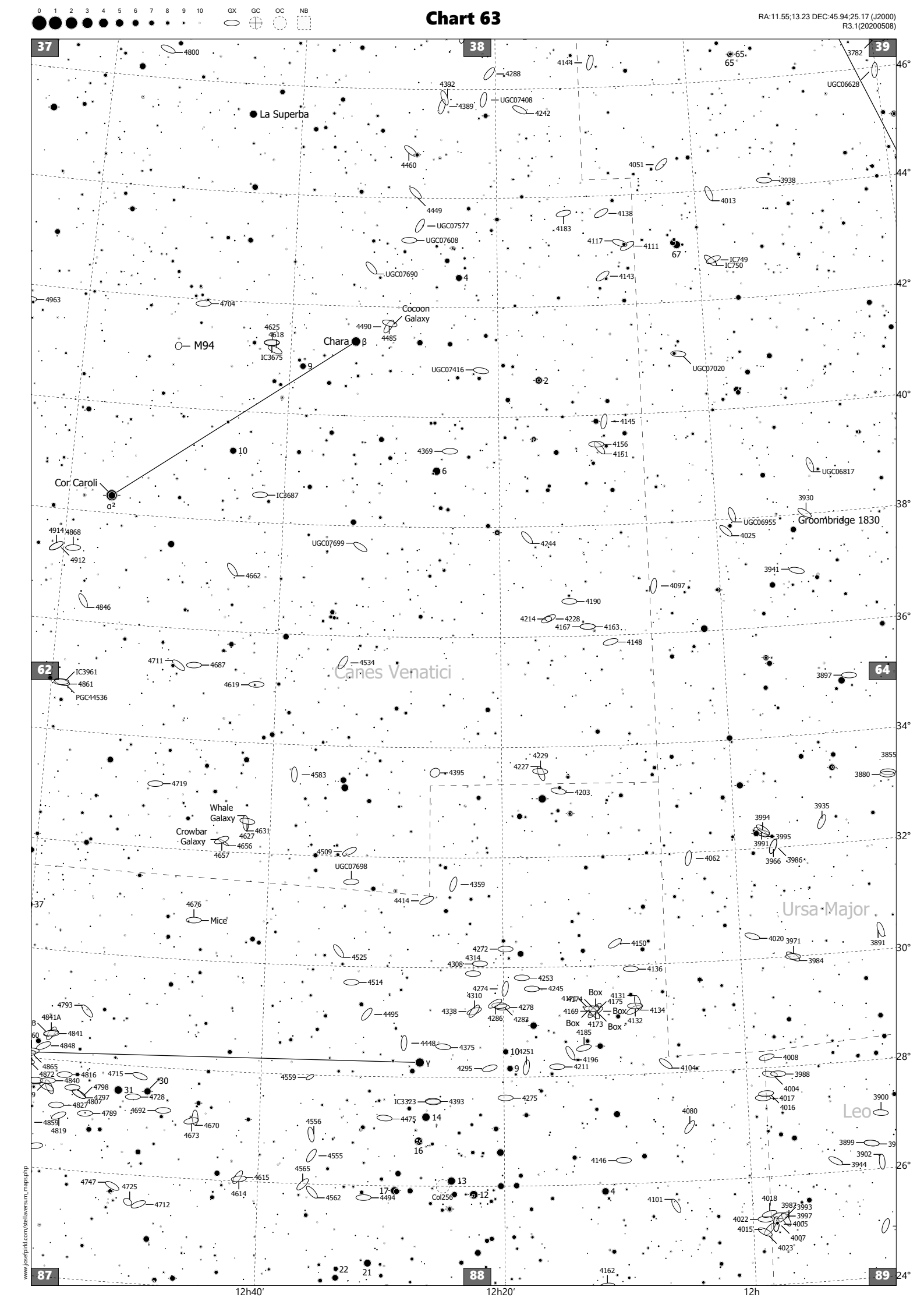
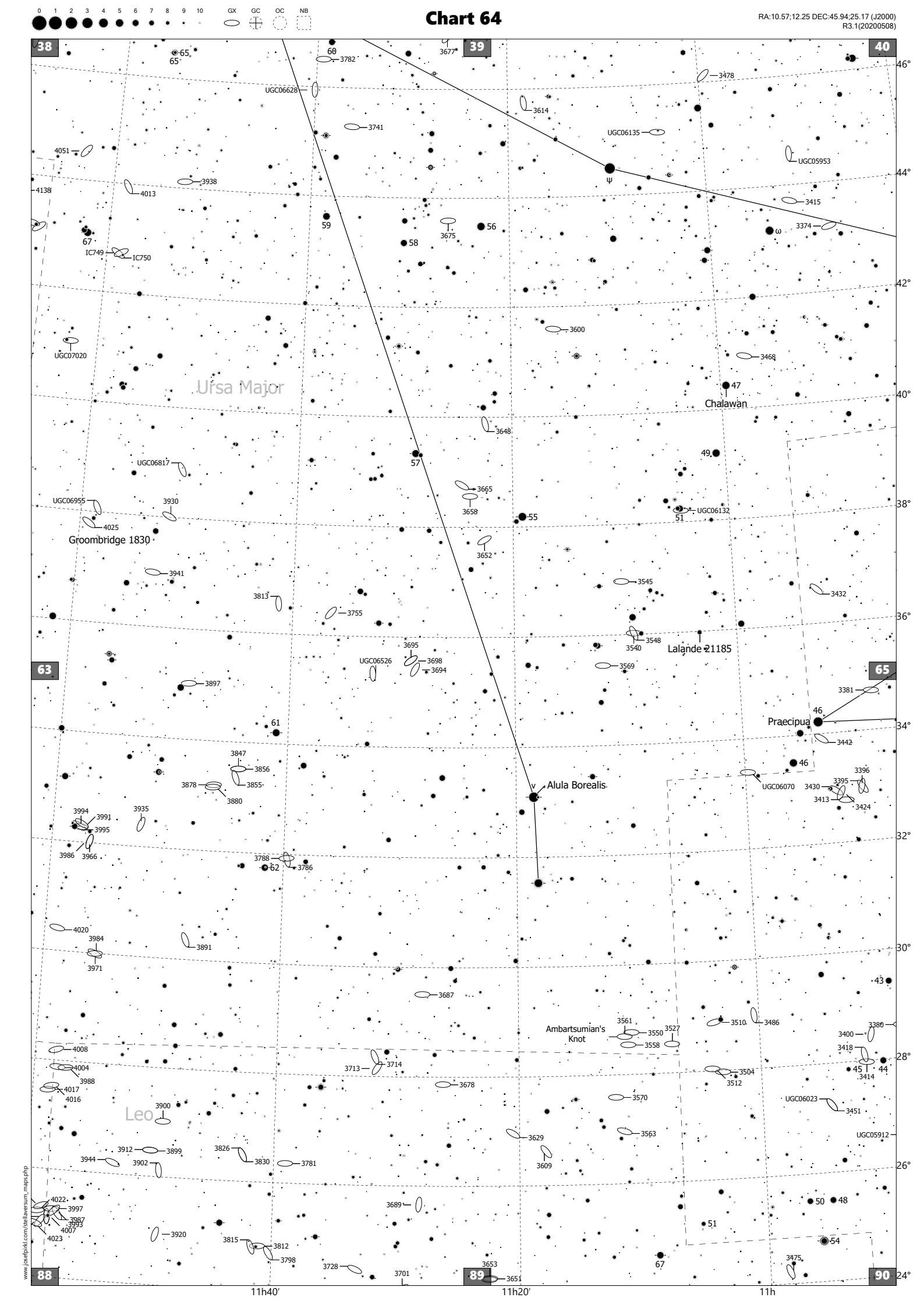
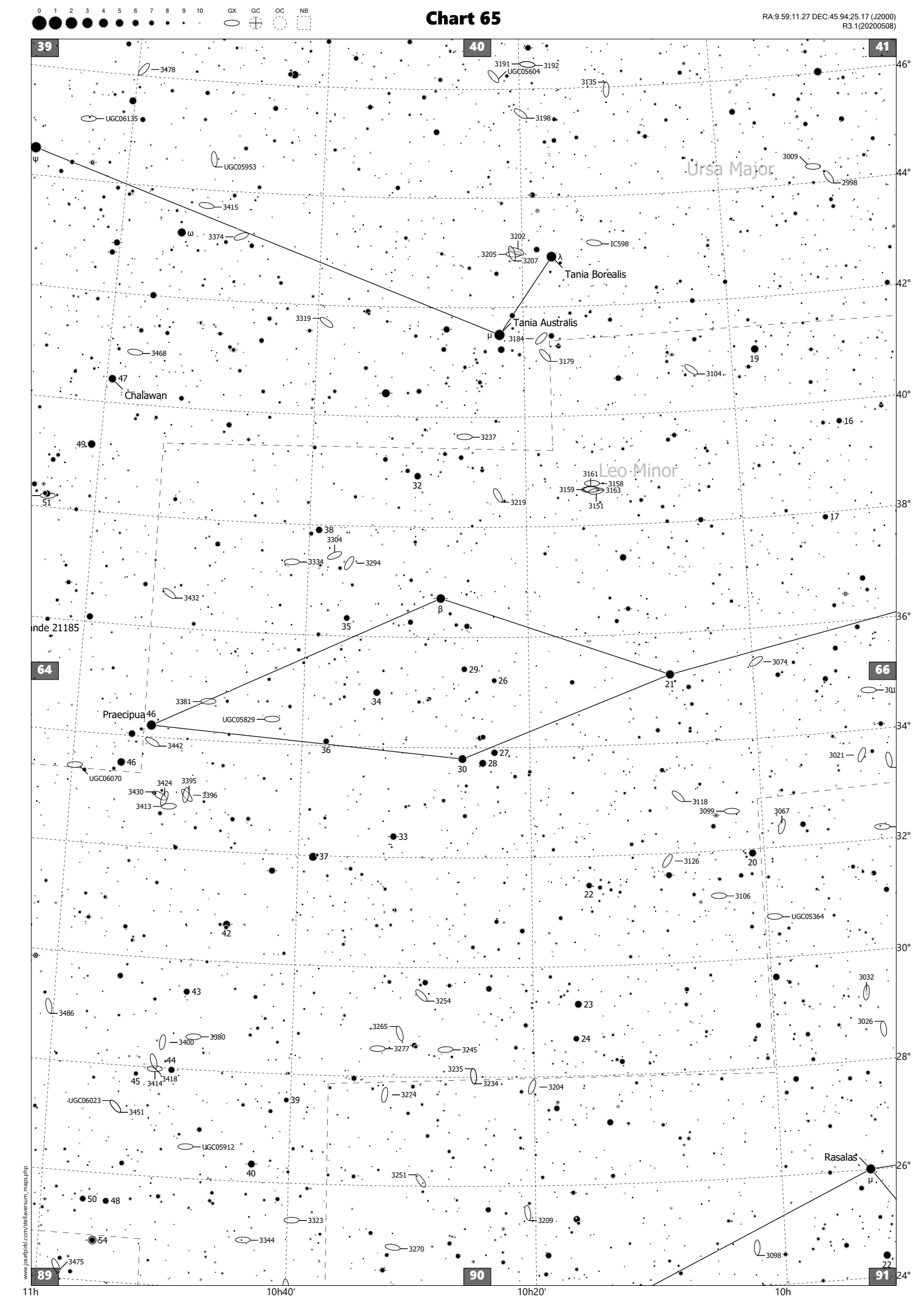
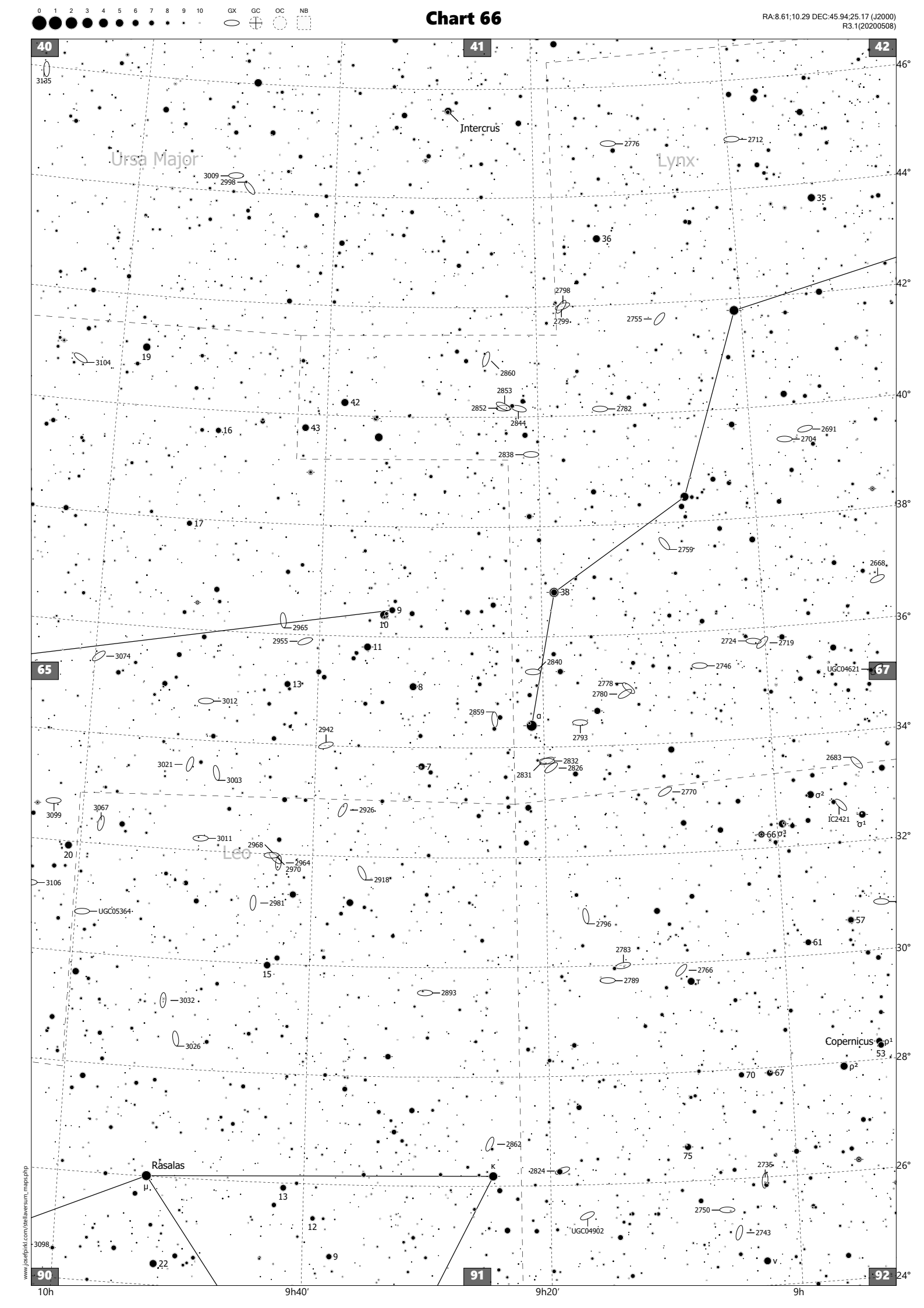

Xuange
Merga
Seginus
Izar
Boötes
UGC09240
UGC09476
UGC09473
UGC09281
UGC09081
PGC2055731
5714
5633
5439
5301
5297
5296
5336
5731
5787
5784
5739
5696
5697
5608
5630
5772
5708
5704
5598
5603
5625
5582
5536
5541
5515
5407
5406
5754
5755
5732
5698
5361
5303
5403
5351
5378
5341
5305
5380
5394
5395
5596
5684
5695
5675
5654
5616
5557
5544
5529
5401
5352
5499
5517
5533
5588
5590
5589
5656
5580
5579
5567
5444
5445
5614
5440
5399
5727
5421
5312
5318
5347
5623
5611
5433
5653
5789
5703
5709
5639
5771
5773
5685
5642
5657
5396
5375
5735
5641
5466
5635
5629
5677
5523
5008
5498
5548
5610
5508
ρ
σ
ε
α
β
γ
60
46°
44°
42°
40°
38°
36°
34°
32°
30°
28°
26°

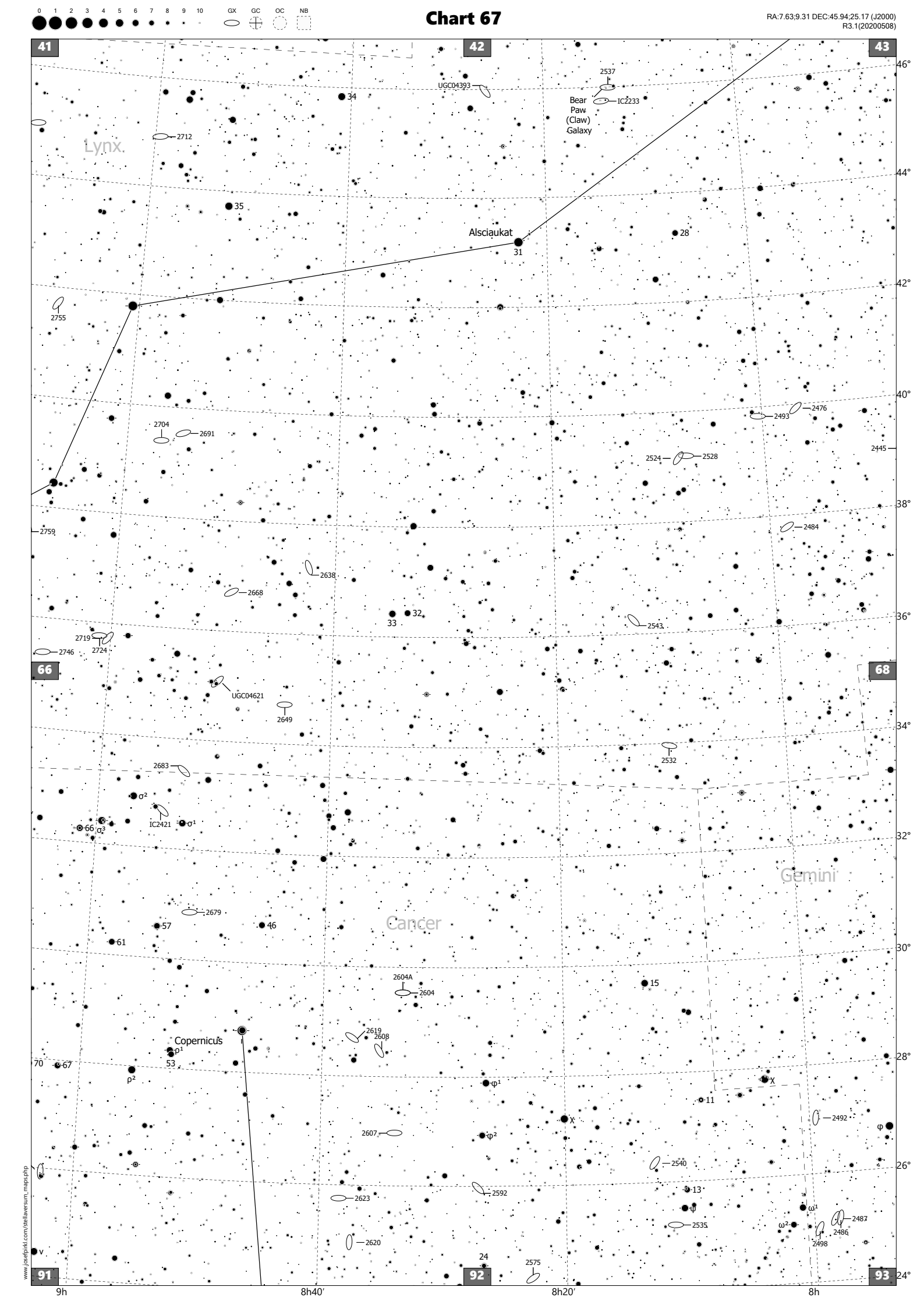

Chart 62
RA:12.53;14.21 DEC:45.94;25.17 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
36
37
38
61
63
86
87
88
Canes Venatici
Coma Berenices
La Superba
M63
Sunflower galaxy
M94
M3
α² Cor Caroli
Crowbar Galaxy
IC3687
IC3675
IC3961
PGC44536
UGC08320
UGC08561
UGC08498
UGC08303
IC4190
IC4182
IC4213
46°
44°
42°
40°
38°
36°
34°
32°
30°
28°
26°
24°
13h40′
13h20′
13h
www.jsefpirkl.com/stellaversum_maps.php

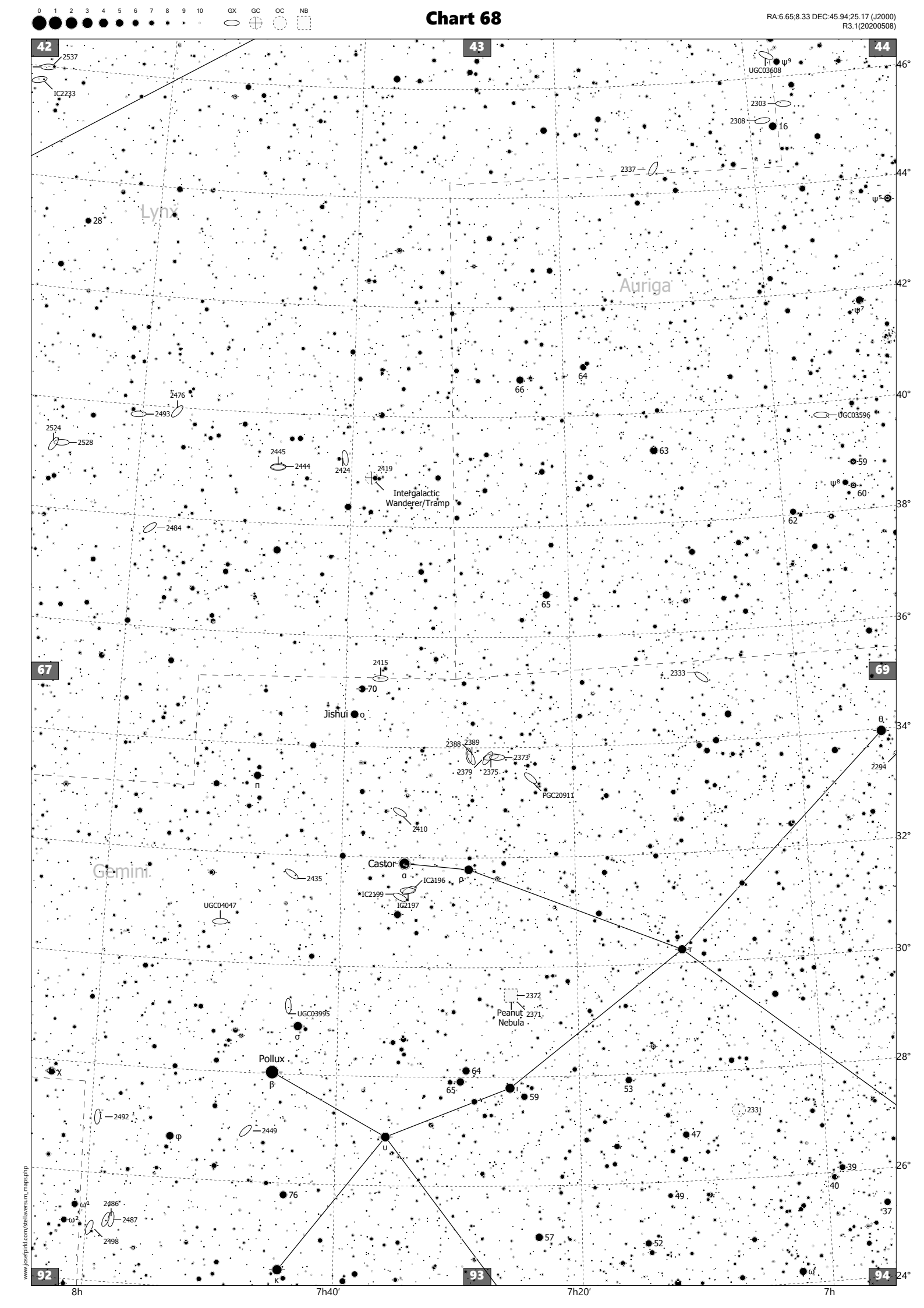

Chart 63
RA:11.55;13.23 DEC:45.94;25.17 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
37
38
39
62
64
87
88
89
La Superba
Cocoon Galaxy
M94
Chara β
Cor Caroli α2
Canes Venatici
Groombridge 1830
Whale Galaxy
Crowbar Galaxy
Mice
Ursa Major
Leo
Box
UGC07408
UGC07577
UGC07608
UGC07690
UGC07416
UGC07020
UGC06628
UGC06817
UGC06955
UGC07699
UGC07698
IC3687
IC3961
PGC44536
IC3675
IC749
IC750
IC3323
Col256
12h40′
12h20′
12h
46°
44°
42°
40°
38°
36°
34°
32°
30°
28°
26°
24°
www.josefpirkl.com/stellaversum_maps.php


Chart 64
RA:10.57;12.25 DEC:45.94;25.17 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
38
39
40
63
65
88
89
90
46°
44°
42°
40°
38°
36°
34°
32°
30°
28°
26°
24°
11h40′
11h20′
11h
Ursa Major
Leo
Chalawan
Groombridge 1830
Lalande 21185
Praecipua
Alula Borealis
Ambartsumian's Knot
ψ
ω
ν
UGC06628
UGC06135
UGC05953
UGC07020
UGC06817
UGC06955
UGC06132
UGC06526
UGC06070
UGC06023
UGC05912
IC749
IC750
3782
3677
3478
3614
3741
3938
4013
4051
4138
3415
3374
3675
3600
3468
3648
3665
3658
3930
4025
3941
3652
3545
3432
3813
3755
3548
3540
3695
3698
3694
3569
3897
3381
3442
3847
3856
3855
3878
3880
3935
3994
3991
3995
3986
3966
3788
3786
3396
3395
3430
3413
3424
4020
3984
3971
3891
3687
3561
3550
3527
3558
3510
3486
3380
3400
4008
4004
3988
4017
4016
3713
3714
3678
3504
3512
3418
3414
3570
3451
3900
3629
3609
3563
3912
3899
3944
3902
3826
3830
3781
3689
4022
3997
3987
3993
4007
4023
3920
3815
3812
3798
3728
3701
3653
3651
3475
3381
3442
3396
3430
3395
3413
3424
3380
3400
3418
3414
3451
3512
3504
3510
3486
3561
3550
3527
3558
3687
3971
3984
3891
4020
3994
3991
3995
3986
3966
3935
3788
3786
3847
3856
3855
3878
3880
3897
3813
3755
3695
3698
3694
3569
3545
3548
3540
3432
3941
3652
3930
4025
3665
3658
3600
3468
3648
3675
3782
3677
3614
3741
3938
4013
4051
4138
3415
3374
3478
UGC06628
UGC06135
UGC05953
UGC07020
UGC06817
UGC06955
UGC06132
UGC06526
UGC06070
UGC06023
UGC05912
IC749
IC750
ψ
ω
ν
Ursa Major
Leo
Chalawan
Groombridge 1830
Lalande 21185
Praecipua
Alula Borealis
Ambartsumian's Knot
60
65
59
58
56
57
55
49
47
46
51
61
62
67
54
50
48
45
44
43
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Chart 65
RA:9.59;11.27 DEC:45.94;25.17 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
39
40
41
64
66
89
90
91
Ursa Major
Leo Minor
Tania Borealis
Tania Australis
Chalawan
Praecipua
Rasalas
UGC06135
UGC05953
UGC05604
UGC05829
UGC06070
UGC06023
UGC05912
UGC05364
IC598
3478
3191
3192
3135
3198
3009
2998
3415
3374
3202
3205
3207
3319
3184
3179
3104
3468
3237
3161
3158
3159
3163
3151
3219
3304
3334
3294
3432
3074
3381
3442
3021
3118
3099
3067
3126
3106
3254
3265
3277
3245
3235
3234
3204
3274
3486
3400
3380
3418
3414
3451
3251
3209
3098
3323
3344
3270
3475
11h
10h40′
10h20′
10h
46°
44°
42°
40°
38°
36°
34°
32°
30°
28°
26°
24°
www.josefpirkl.com/stellaversum_maps.php


Chart 66
RA:8.61;10.29 DEC:45.94;25.17 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
40
41
42
65
67
90
91
92
Ursa Major
Lynx
Leo
Intercrus
Rasalas
Copernicus
UGC04621
UGC05364
UGC04902
IC2421
3105
3009
2998
2776
2712
35
36
2798
2799
2755
3104
19
2860
2853
2852
2844
2782
42
43
16
2691
2704
2838
17
2759
2668
38
9
10
2965
2955
11
3074
2724
2719
2840
2746
13
8
2778
2780
3012
2859
α
2793
2942
3021
3003
7
2832
2826
2831
2683
2770
3099
3067
2926
σ²
σ¹
3011
2968
2964
2970
20
66
σ³
3106
2918
2981
UGC05364
2796
57
61
2783
2766
2789
15
2893
3032
3026
53
ρ¹
ρ²
70
67
2862
75
Rasalas
μ
κ
13
2824
2735
2750
12
UGC04902
2743
3098
22
9
ν
www.jsefpirkl.com/stellaversum_maps.php
10h
9h40′
9h20′
9h
46°
44°
42°
40°
38°
36°
34°
32°
30°
28°
26°
24°


Chart 67
RA:7.63;9.31 DEC:45.94;25.17 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
41
42
43
66
68
91
92
93
Lynx
Cancer
Gemini
Alsciaukat
Bear Paw (Claw) Galaxy
IC2233
UGC04393
UGC04621
IC2421
Copernicus
2537
2712
2755
2704
2691
2759
2638
2668
2719
2724
2746
2649
2683
2679
2604A
2604
2619
2608
2607
2623
2620
2575
2592
2476
2493
2445
2524
2528
2484
2543
2532
2492
2540
2535
2487
2486
2498
34
35
31
28
33
32
57
46
61
15
11
13
24
70
67
53
66
9h
8h40'
8h20'
8h
46°
44°
42°
40°
38°
36°
34°
32°
30°
28°
26°
24°
www.josefpirkl.com/stellaversum_maps.php


Chart 68
RA:6.65;8.33 DEC:45.94;25.17 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
42
43
44
67
69
92
93
94
Lynx
Auriga
Gemini
Castor
Pollux
Jishui
Intergalactic Wanderer/Tramp
Peanut Nebula
IC2233
UGC03608
UGC03596
UGC04047
UGC03995
IC2196
IC2199
IG2197
PGC20911
2537
2303
2308
2337
2476
2493
2524
2528
2445
2444
2424
2419
2484
2415
2333
2388
2389
2373
2379
2375
2294
2410
2435
2372
2371
2492
2449
2331
2486
2487
2498
8h
7h40'
7h20'
7h
46°
44°
42°
40°
38°
36°
34°
32°
30°
28°
26°
24°

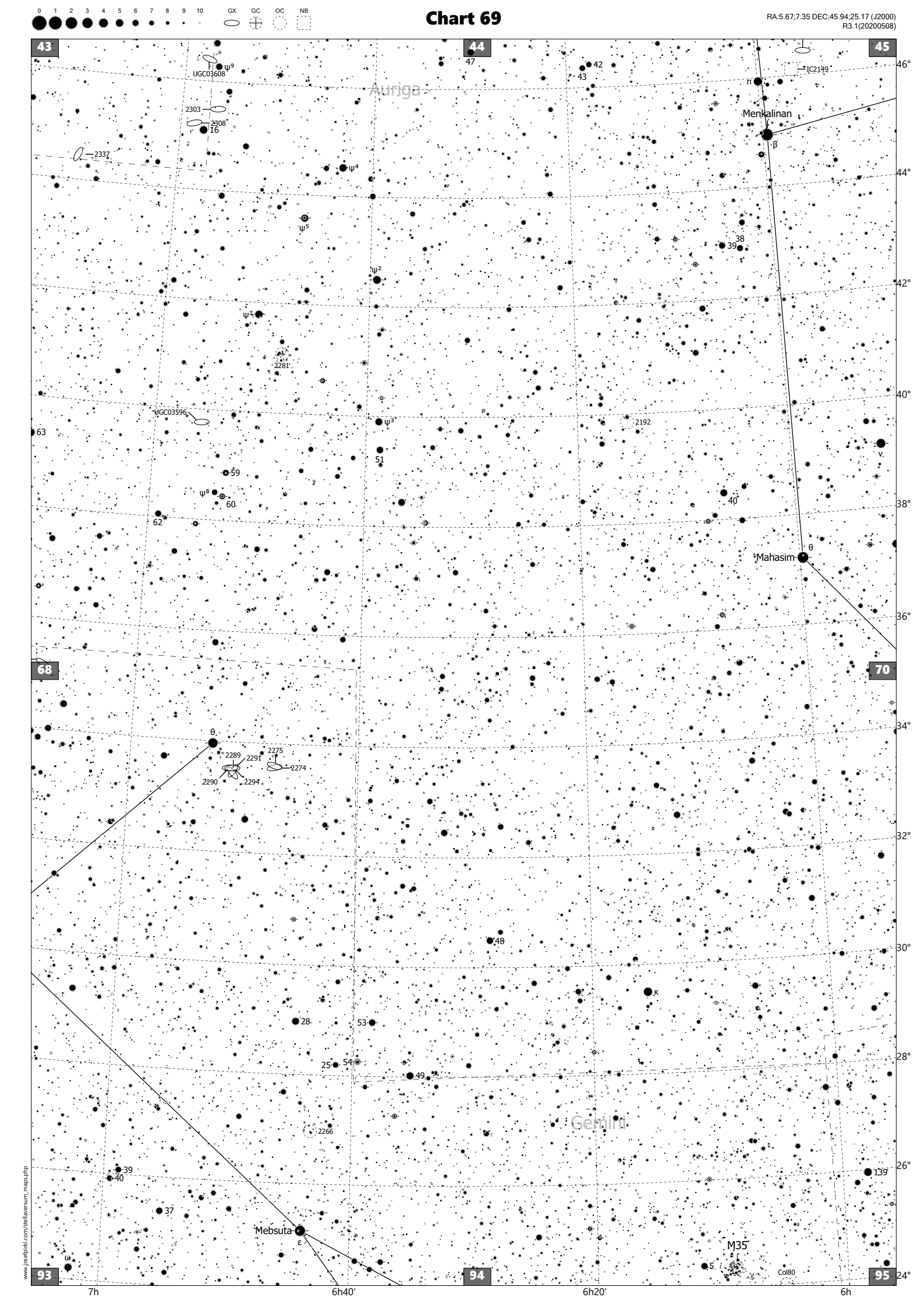
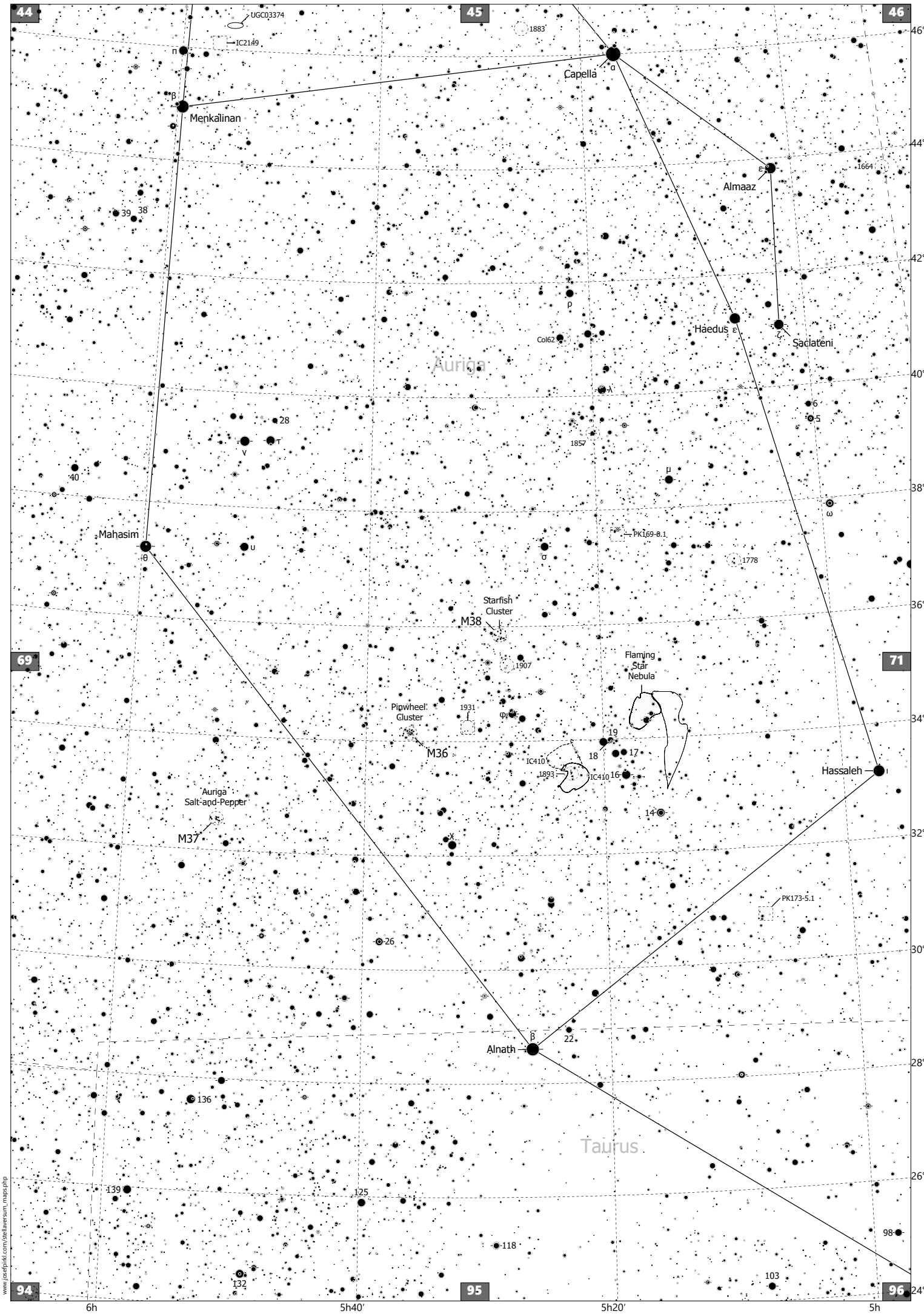
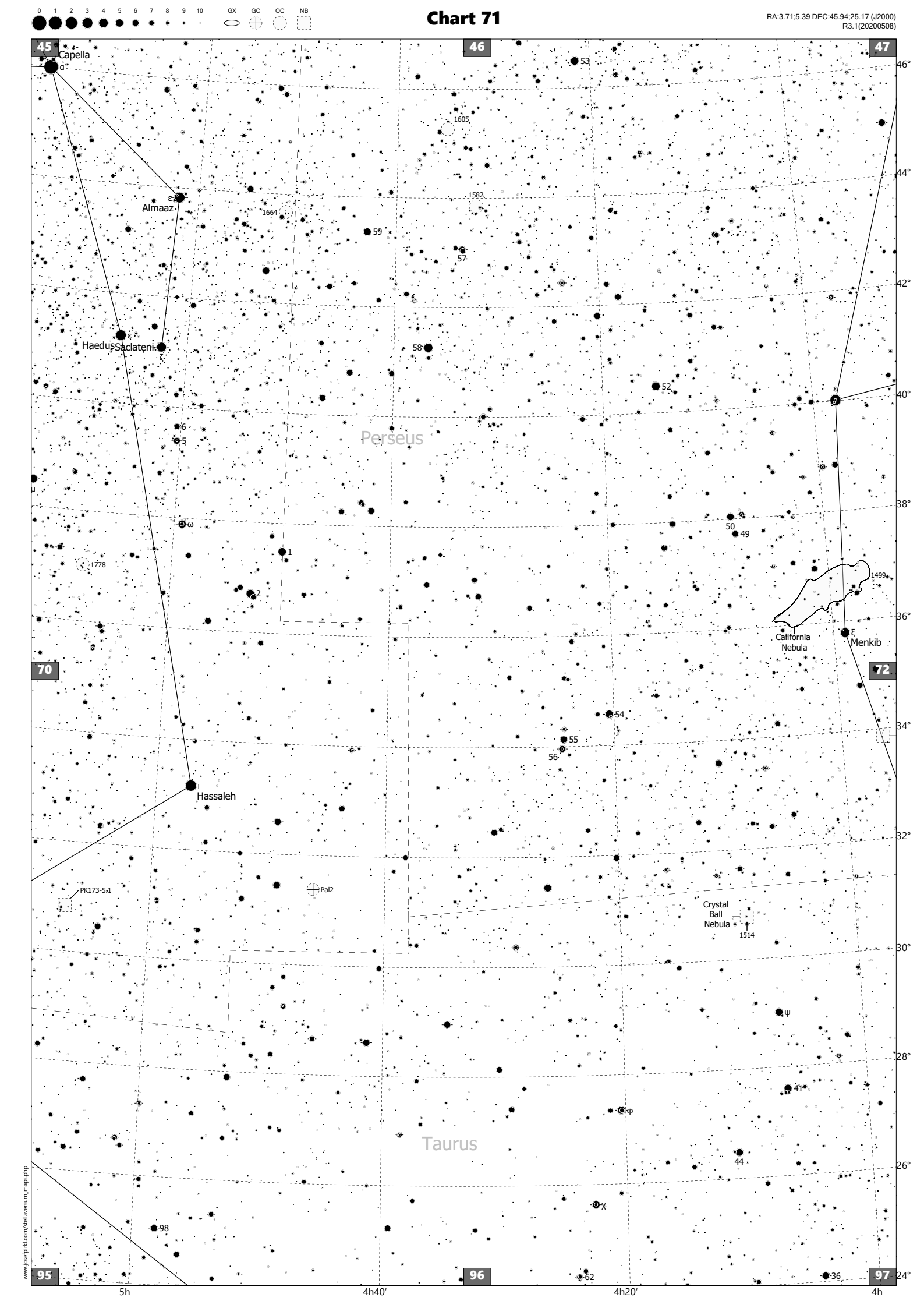

0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
Chart 69
RA:5.67;7.35 DEC:45.94;25.17 (J2000)
R3.1(20200508)
43
44
45
Auriga
UGC03608
ψ9
2303
2308
16
2337
ψ4
ψ5
ψ2
ψ1
2281
UGC03596
ψ3
2192
63
51
59
ψ8
60
62
47
42
43
IC2149
η
Menkalinan
β
38
39
40
Mahasim
θ
v.
46°
44°
42°
40°
38°
36°
68
70
θ
2289
2291
2275
2274
2290
2294
34°
32°
48
κ
28
53
25
54
49
30°
28°
Gemini
2266
39
40
37
139
26°
Mebsuta
ε
ω
M35
5
Col80
24°
93
94
95
7h
6h40′
6h20′
6h
www.jsfelpinkl.com/stellaversum_maps.php

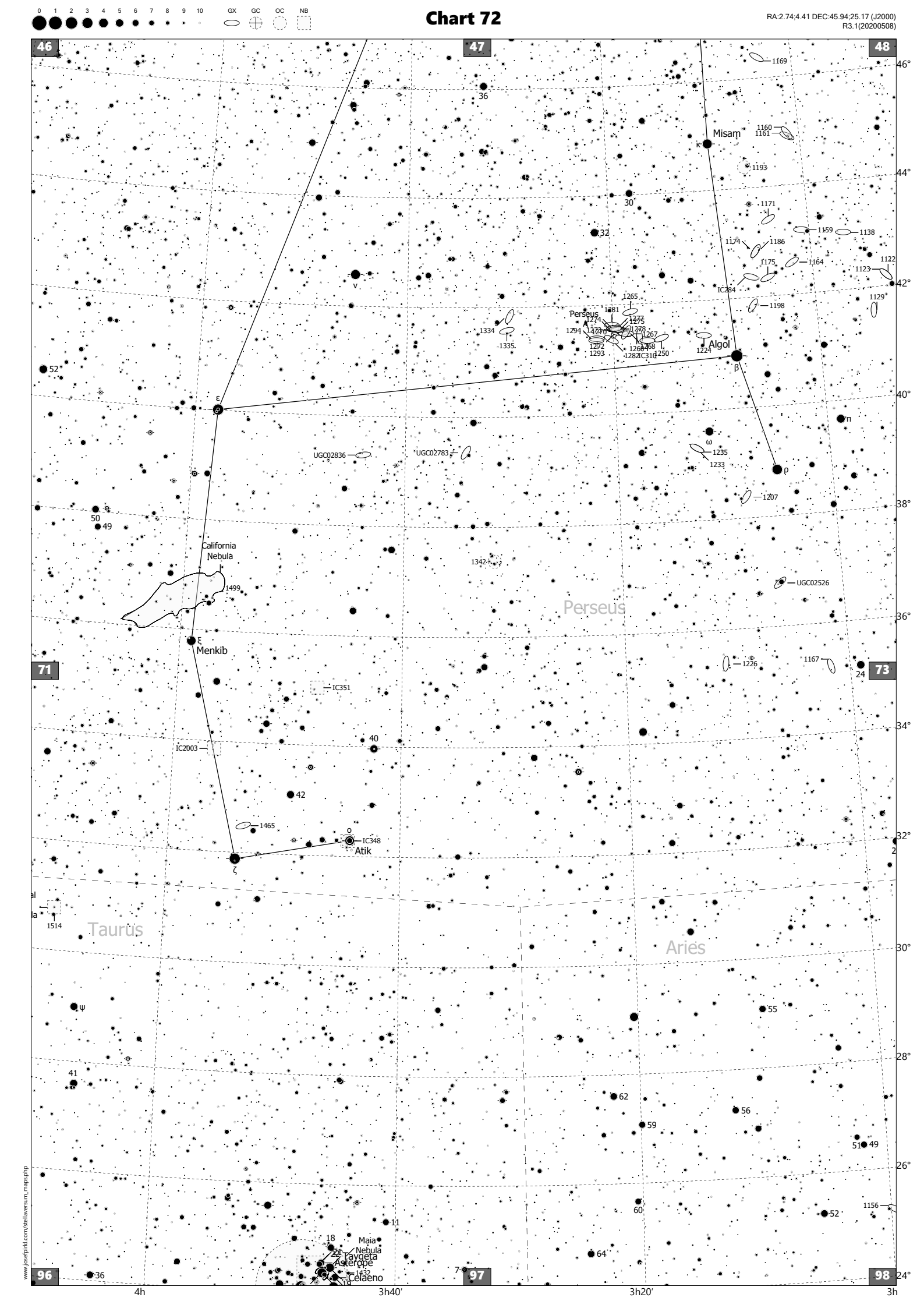
Chart 70

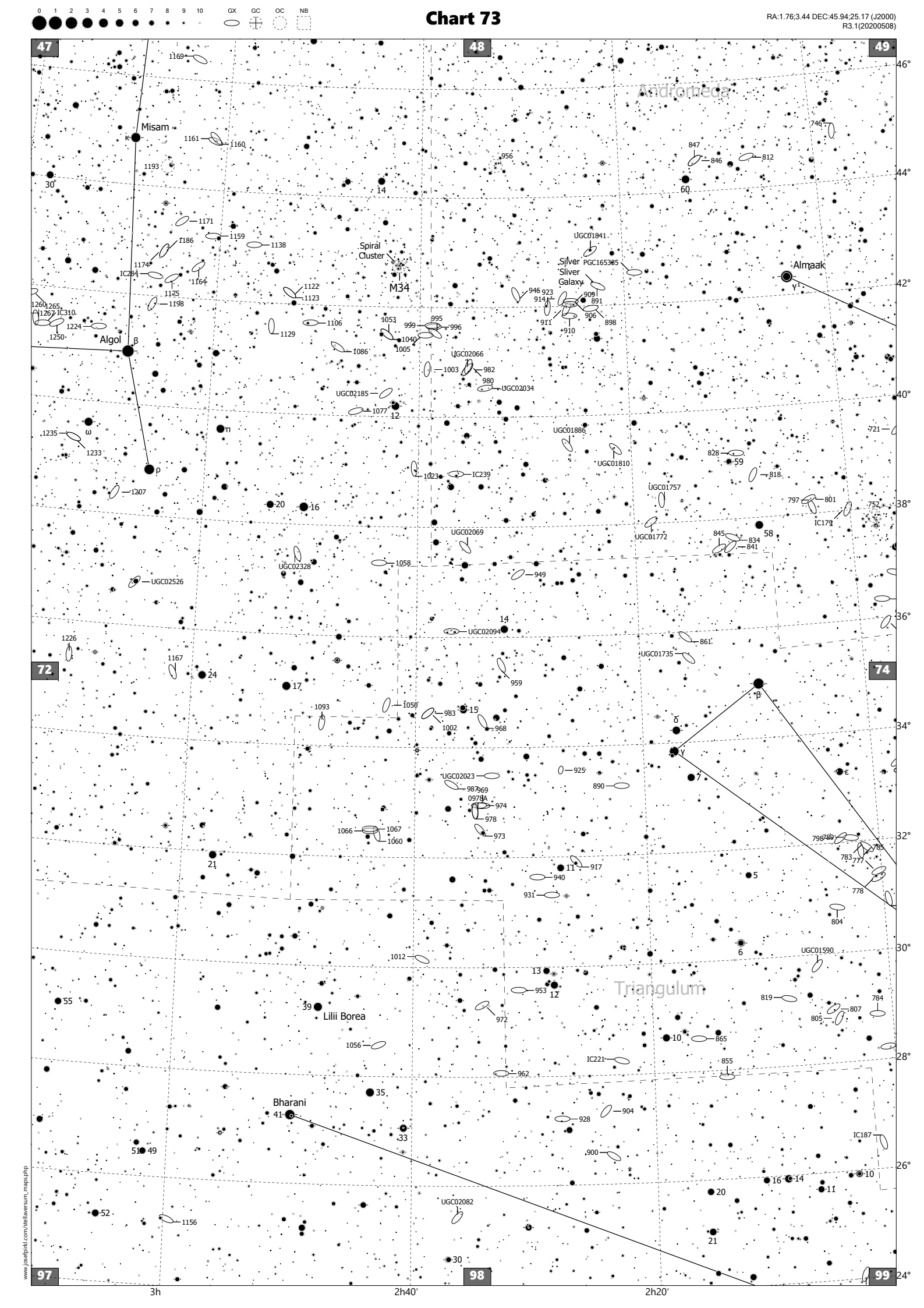
RA:4.69;6.37 DEC:45.94;25.17 (J2000)
R3.1(20200508)



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0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
Chart 71
RA:3.71;5.39 DEC:45.94;25.17 (J2000)
R3.1(20200508)
45
46
47
70
72
95
96
97
Capella
α
Almaaz
ε
Haedus
ξ
Saclateni
ζ
Hassaleh
ι
Menkib
ξ
California
Nebula
1499
Crystal
Ball
Nebula
1514
1605
1582
1664
1778
Pal2
PK173-5+1
Perseus
Taurus
53
59
57
58
52
6
5
ω
1
2
50
49
54
55
56
ψ
41
φ
44
χ
98
62
36
46°
44°
42°
40°
38°
36°
34°
32°
30°
28°
26°
24°
5h
4h40′
4h20′
4h
www.jsefpirkl.com/stellaversum_maps.php


0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
Chart 72
RA:2.74;4.41 DEC:45.94;25.17 (J2000)
R3.1(20200508)
46
47
48
71
73
96
97
98
Misam
Algol
Perseus
California Nebula
Menkib
Atik
Taygeta
Maia
Nebula
Asterope
Celaeno
Taurus
Aries
Perseus
UGC02836
UGC02783
UGC02526
IC351
IC2003
IC348
IC284
IC310
1499
1342
1514
1465
1334
1335
1294
1293
1282
1224
1235
1233
1207
1226
1167
1169
1160
1161
1193
1171
1159
1138
1174
1186
1175
1164
1122
1123
1129
1198
1265
1281
1277
1275
1274
1270
1278
1267
1272
1268
1250
1156
4h
3h40′
3h20′
3h
www.josefpirkl.com/stellaversum_maps.php


Chart 73
RA:1.76;3.44 DEC:45.94;25.17 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
47
48
49
72
74
97
98
99
Andromeda
Triangulum
Misam
Algol
Almaak
Spiral Cluster
M34
Silver Sliver Galaxy
PGC165385
UGC01841
Lilii Borea
Bharani
IC284
IC310
IC239
IC179
IC187
IC221
UGC02066
UGC02034
UGC02185
UGC01886
UGC01810
UGC01757
UGC01772
UGC02069
UGC02328
UGC02526
UGC02094
UGC01735
UGC02023
UGC01590
UGC02082
46°
44°
42°
40°
38°
36°
34°
32°
30°
28°
26°
24°
3h
2h40'
2h20'
www.jsefpirkl.com/stellaversum_maps.php

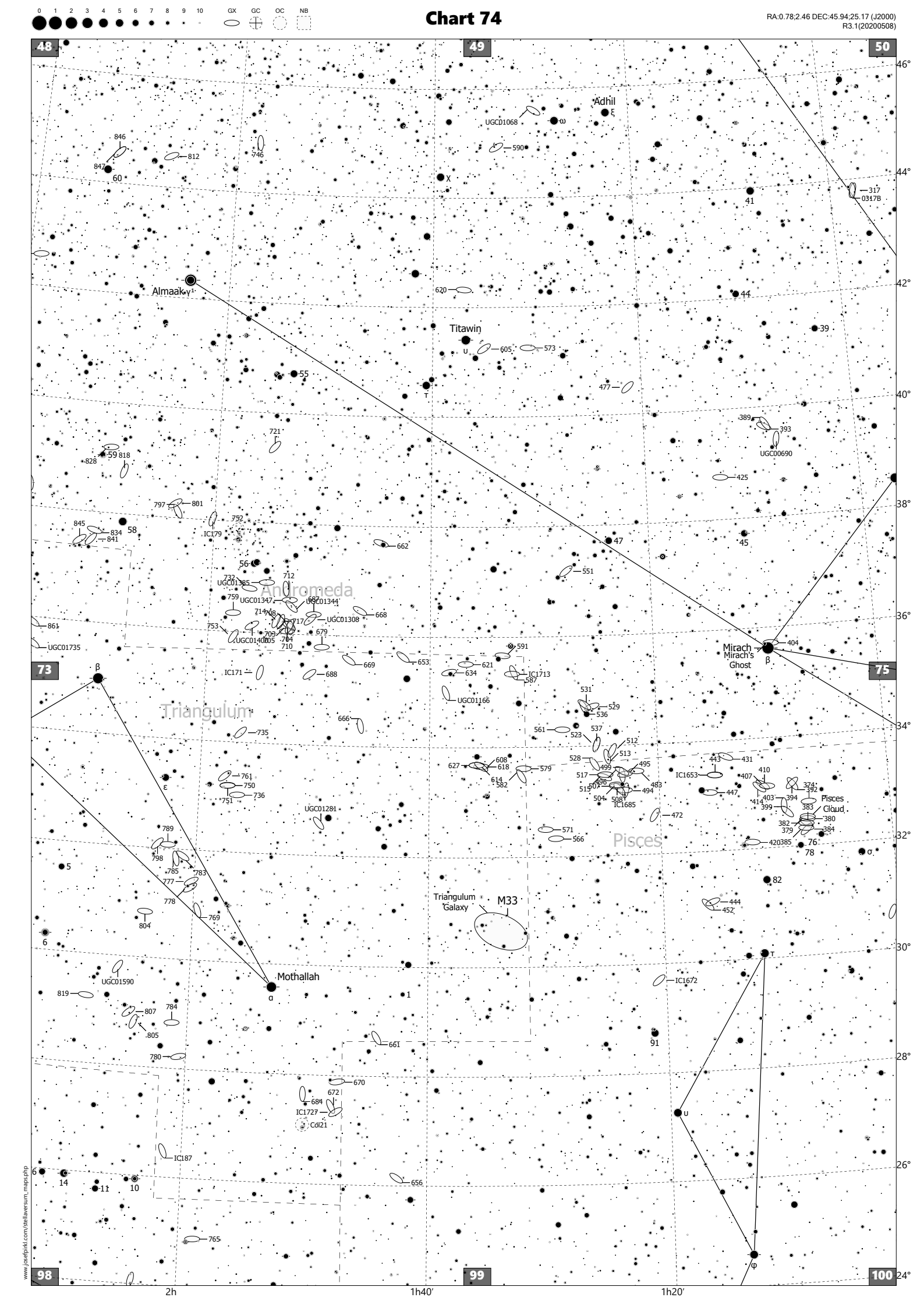
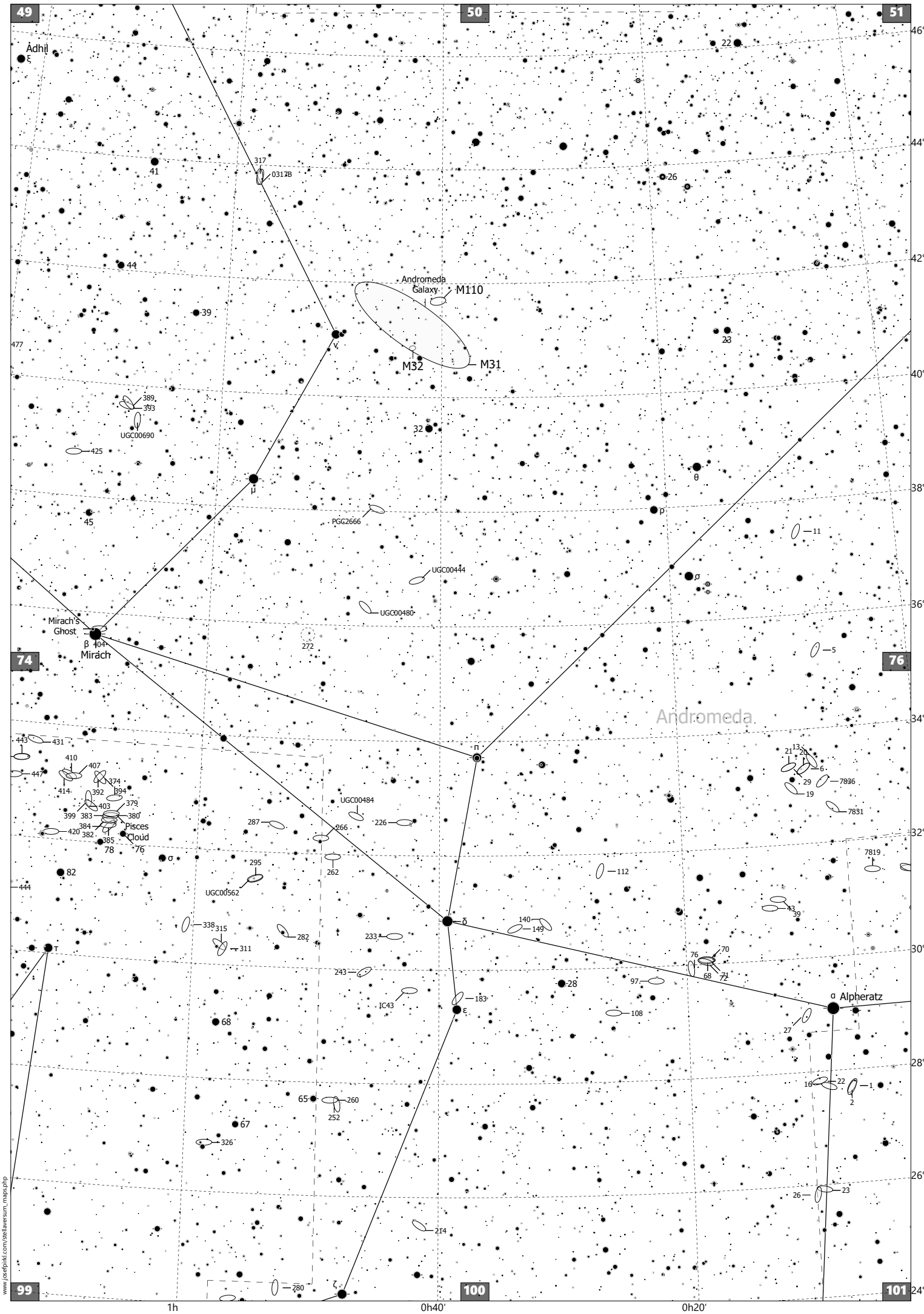
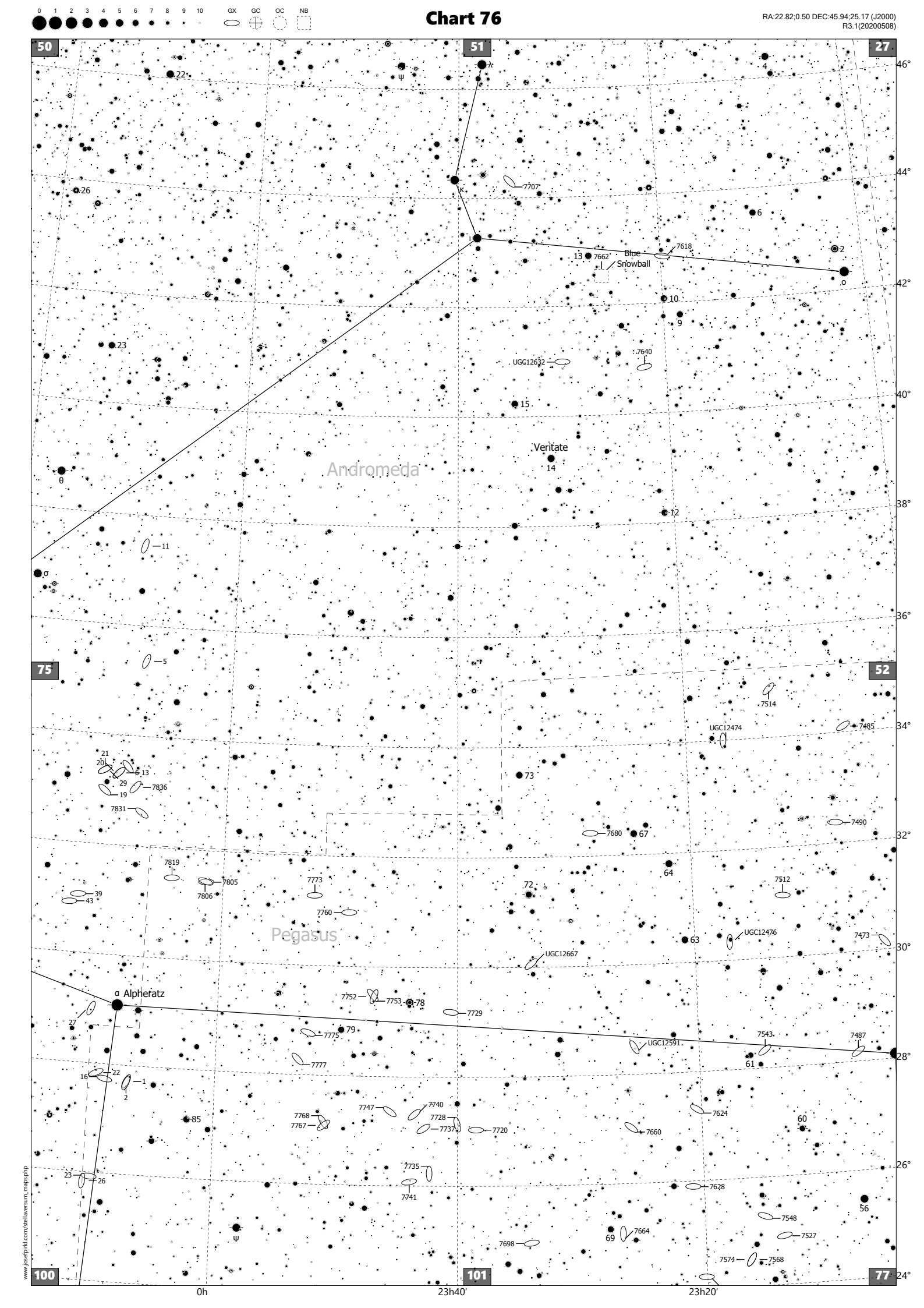

Chart 74
RA:0.78;2.46 DEC:45.94;25.17 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
48
49
50
73
75
98
99
100
Adhil
Almaak
Titawin
Mirach
Mirach's Ghost
Andromeda
Triangulum
Pisces
Pisces Cloud
Mothallah
Triangulum Galaxy
M33
UGC01068
UGC00690
UGC01385
UGC01347
UGC01344
UGC01308
UGC01400
UGC01735
UGC01166
UGC01281
UGC01590
IC179
IC171
IC1713
IC1653
IC1685
IC1672
IC1727
Col21
IC187
2h
1h40′
1h20′
46°
44°
42°
40°
38°
36°
34°
32°
30°
28°
26°
24°
www.jsefpirkl.com/stellaversum_maps.php

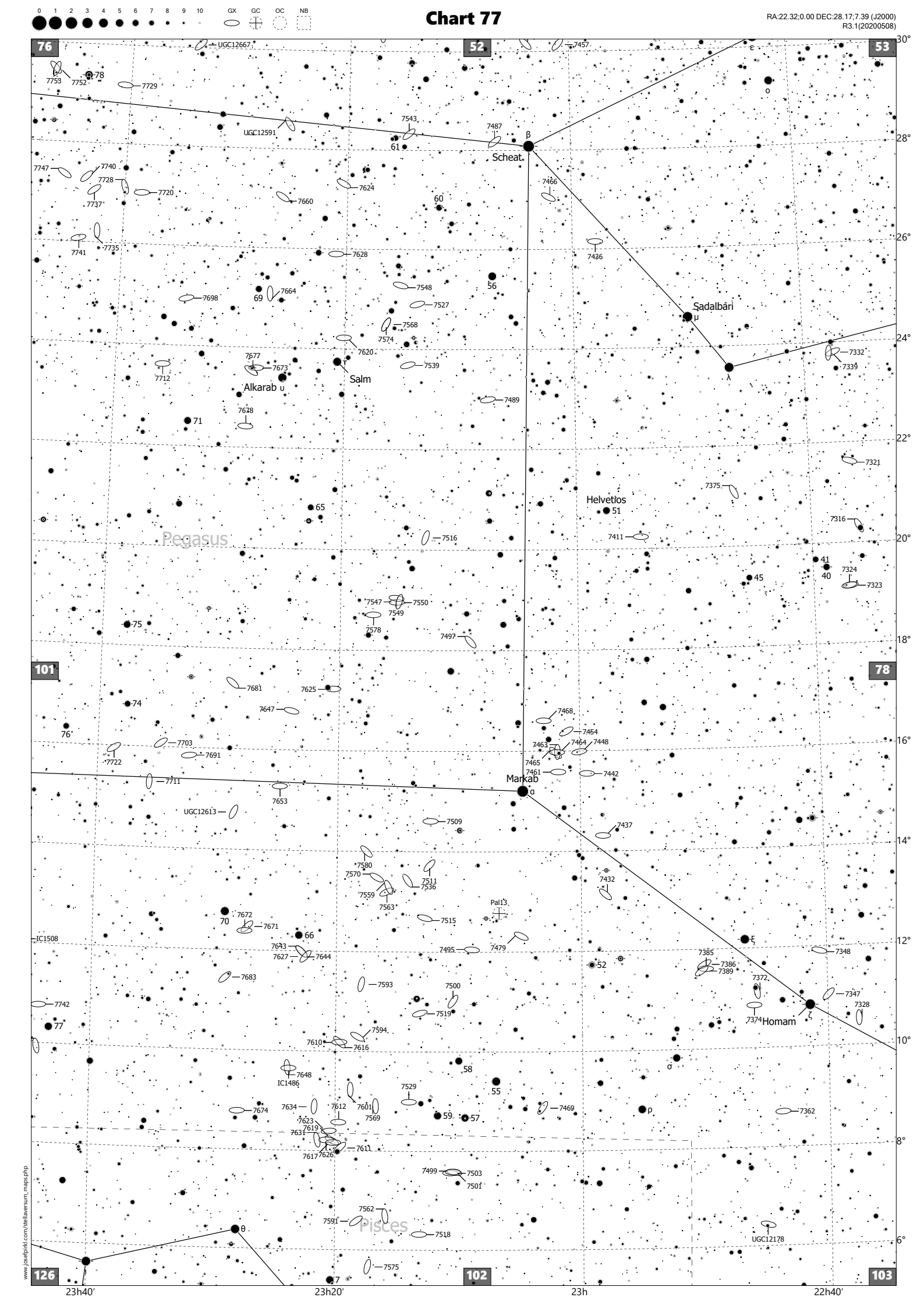
Chart 75

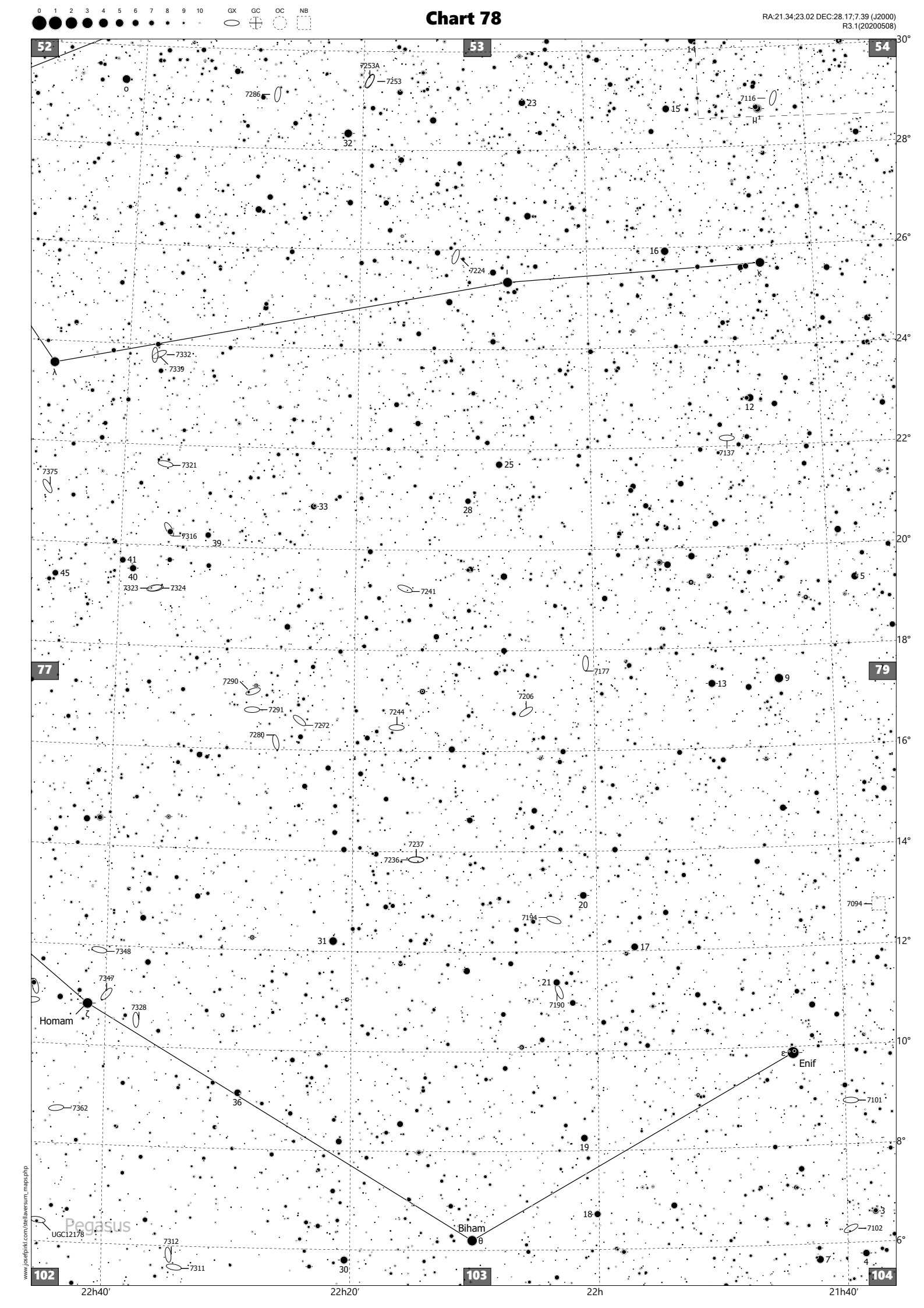
RA:23.80;1.48 DEC:45.94;25.17 (J2000)
R3.1(20200508)

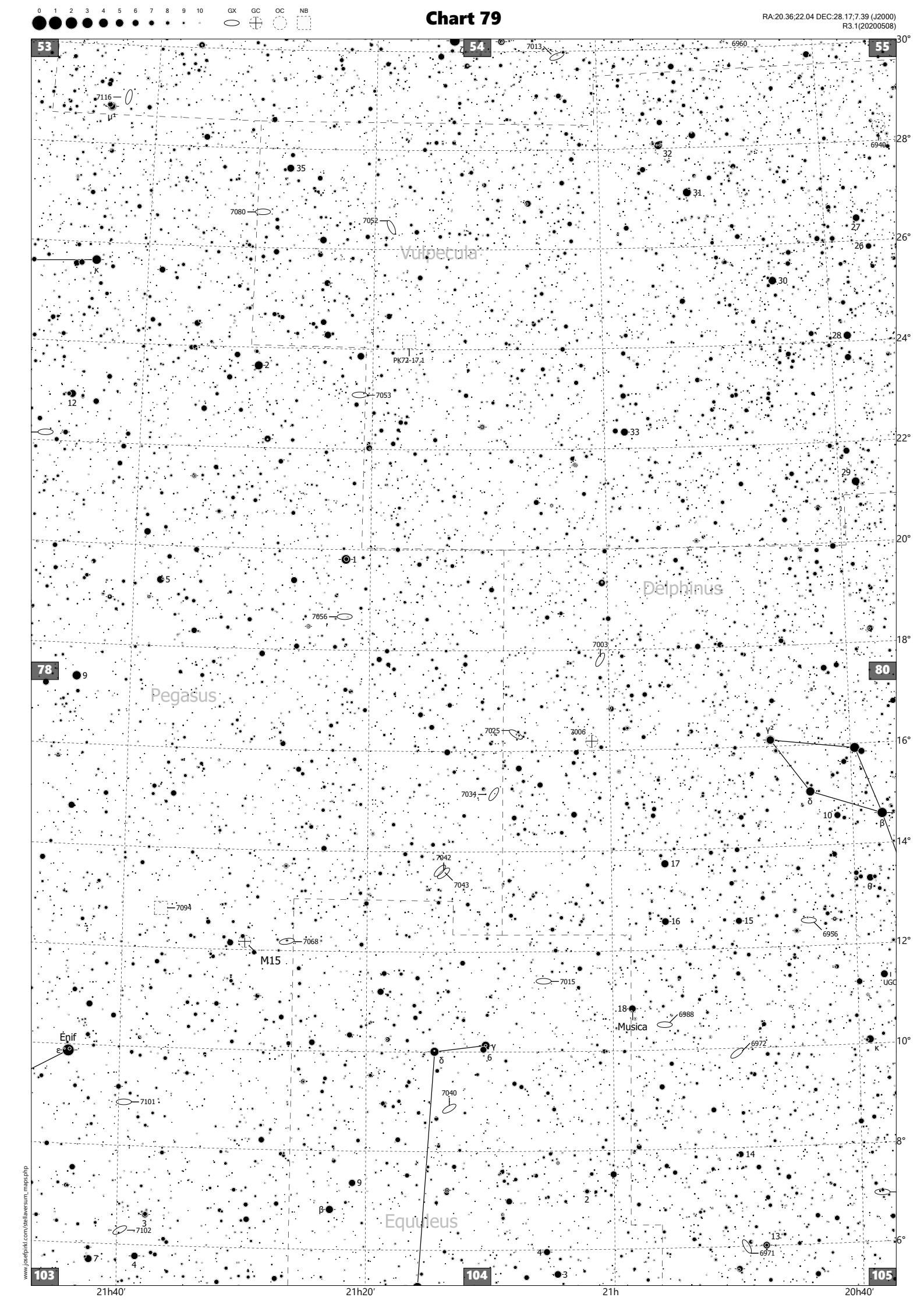


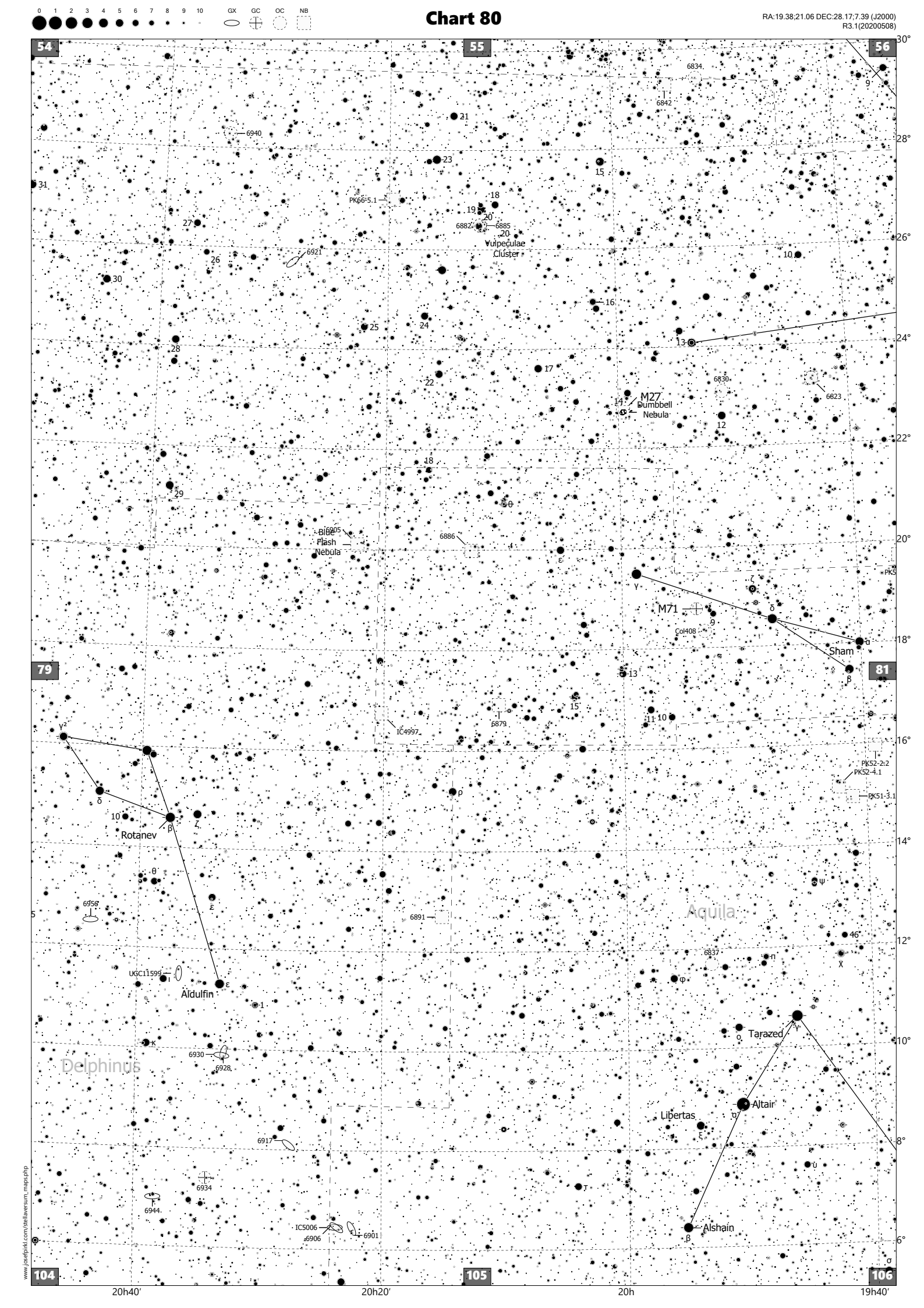
www.jsefpirkl.com/stellaversum_maps.php

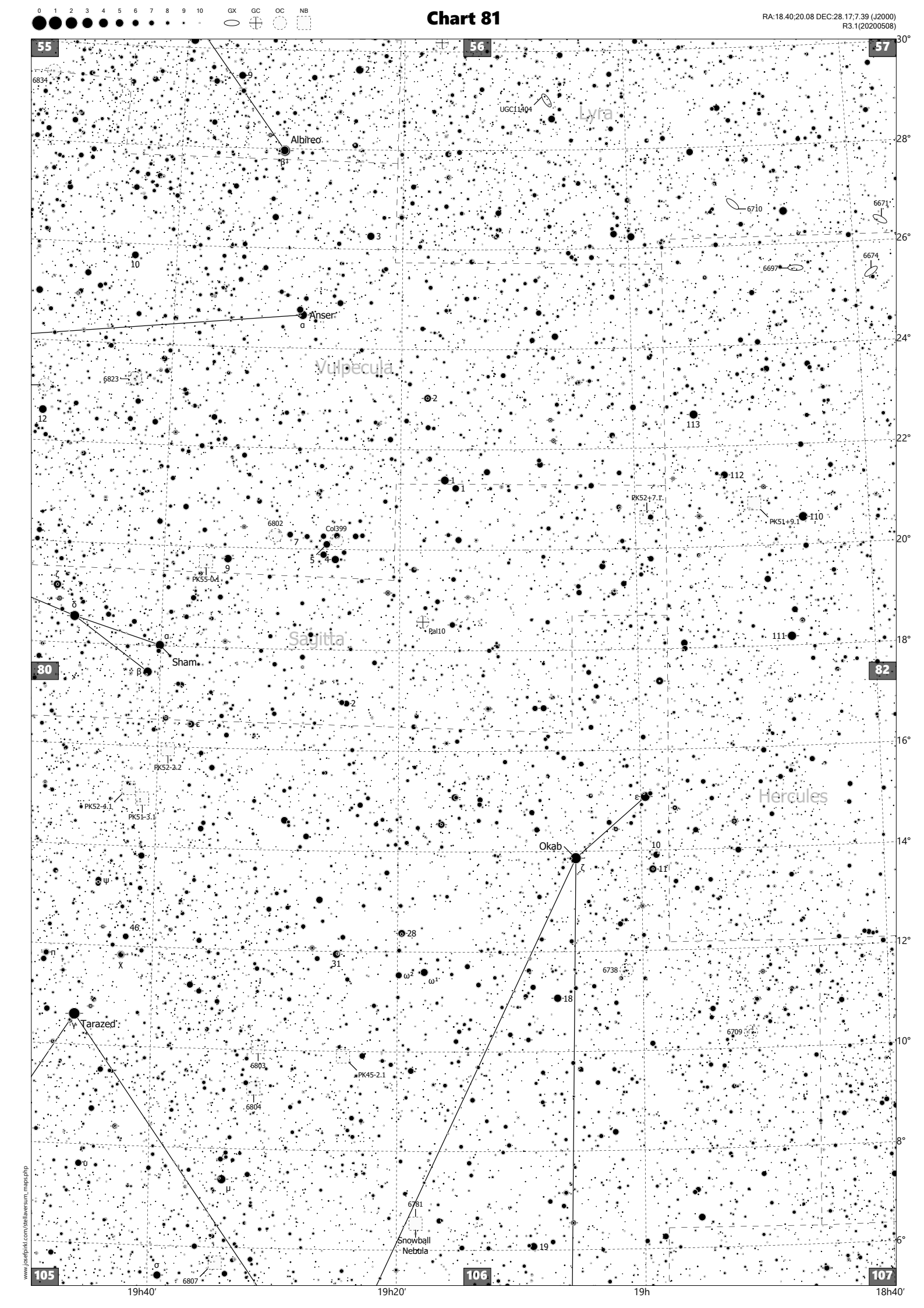

Chart 76
RA:22.82;0.50 DEC:45.94;25.17 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
50
51
27
75
52
100
101
77
Andromeda
Pegasus
Veritate
Blue Snowball
Alpheratz
UGC12474
UGC12476
UGC12667
UGC12591
UGG12632
7707
7618
7662
7640
7514
7485
7836
7831
7490
7680
7819
7805
7806
7773
7760
7512
7473
7752
7753
7729
7775
7777
7543
7487
7747
7740
7728
7737
7720
7768
7767
7624
7660
7735
7741
7628
7548
7664
7527
7698
7574
7568
0h
23h40'
23h20'
www.josefpirkl.com/stellaversum_maps.php


Chart 77
RA:22.32;0.00 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
76
52
53
101
78
126
102
103
Scheat
Sadalbari
Salm
Alkarab
Markab
Homam
Helvetios
Pegasus
Pisces
UGC12667
UGC12591
UGC12613
UGC12178
IC1508
IC1486
Pal13
23h40'
23h20'
23h
22h40'
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
www.jsefpirkl.com/stellaversum_maps.php


Chart 78
RA:21.34;23.02 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
52
53
54
77
79
102
103
104
Homam
Enif
Biham
Pegasus
UGC12178
7253A
7253
7286
7116
7224
7332
7339
7321
7375
7316
7323
7324
7241
7290
7291
7272
7280
7244
7206
7177
7137
7348
7347
7328
7362
7237
7236
7194
7094
7190
7101
7102
7312
7311
www.jsefpirkl.com/stellaversum_maps.php
22h40′
22h20′
22h
21h40′
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°


0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
Chart 79
RA:20.36;22.04 DEC:28.17;7.39 (J2000)
R3.1(20200508)
53
54
55
78
80
103
104
105
Vulpecula
Delphinus
Pegasus
Equuleus
Musica
M15
Enif
PK72-17.1
7116
7013
6960
6940
7080
7052
7053
7056
7003
7025
7006
7034
7042
7043
7094
7068
7015
6988
6956
6972
7040
7101
7102
6971
www.josefpirkl.com/stellaversum_maps.php
21h40′
21h20′
21h
20h40′


Chart 80
RA:19.38;21.06 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
54
55
56
79
81
104
105
106
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
20h40′
20h20′
20h
19h40′
M27
Dumbbell
Nebula
Vulpeculae
Clúster
Blue
Flash
Nebula
M71
Col408
Sham
IC4997
Rotanev
Aldulfin
UGC11599
Aquila
Tarazed
Altair
Libertas
Alshain
Delphinus
PK66-5.1
PK52-2.2
PK52-4.1
PK51-3.1
6834
6842
6940
6921
6882
6885
6830
6623
6905
6886
6879
6956
6891
6837
6930
6928
6917
6934
6944
IC5006
6906
6901
www.jsefpirkl.com/stellaversum_maps.php


Chart 81
RA:18.40;20.08 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
55
56
57
80
82
105
106
107
Albireo
β1
Anser
α
Sham
β
Okab
ζ
Tarazed
γ
Lyra
Vulpecula
Sagitta
Hercules
UGC11404
6710
6671
6697
6674
6823
6802
Col399
PK55-0.1
PK52+7.1
PK51+9.1
Pal10
PK52-2.2
PK52-4.1
PK51-3.1
6738
6709
6803
6804
PK45-2.1
6781
Snowball Nebula
6807
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
19h40′
19h20′
19h
18h40′
www.jsefpirkl.com/stellaversum_maps.php

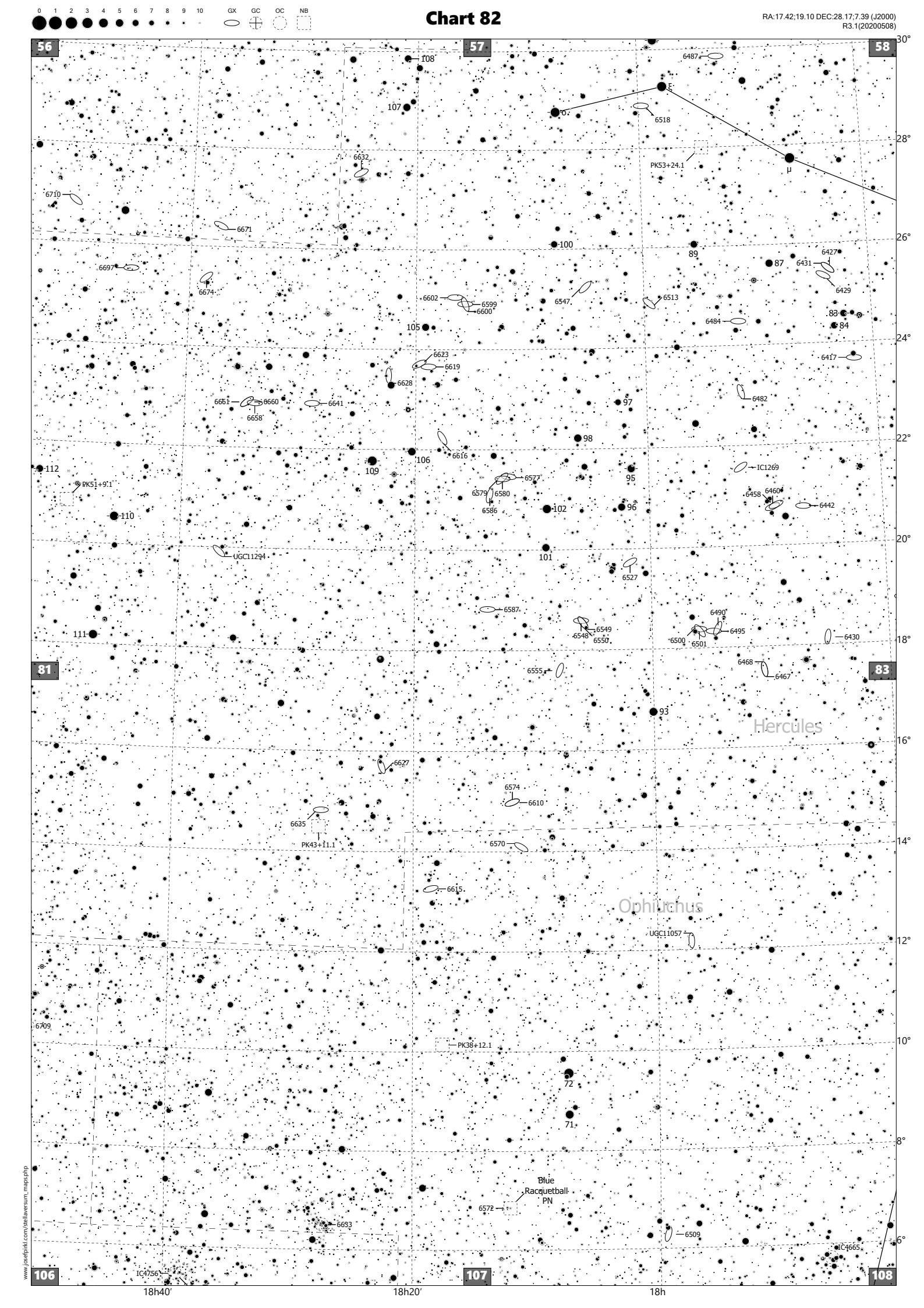
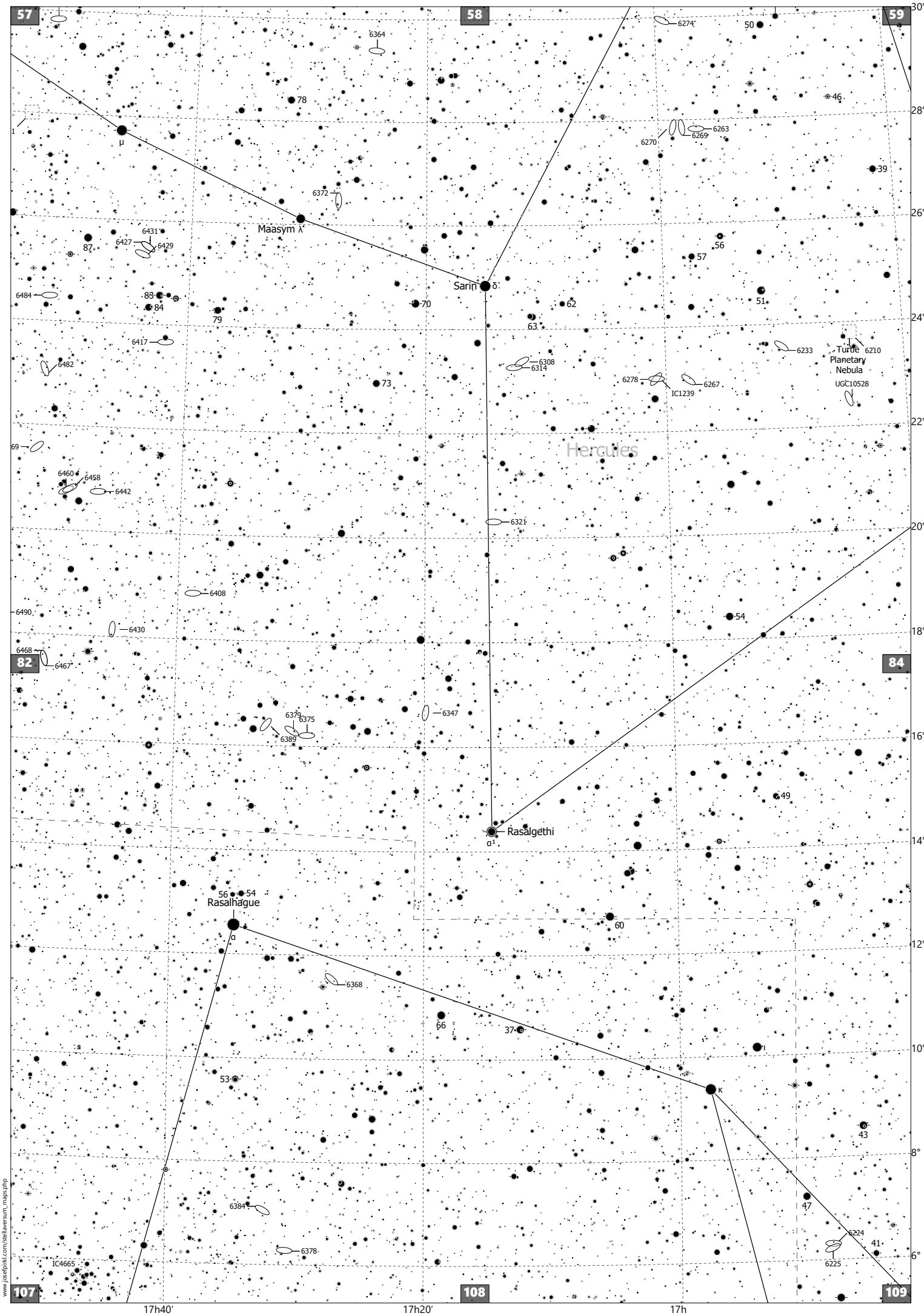
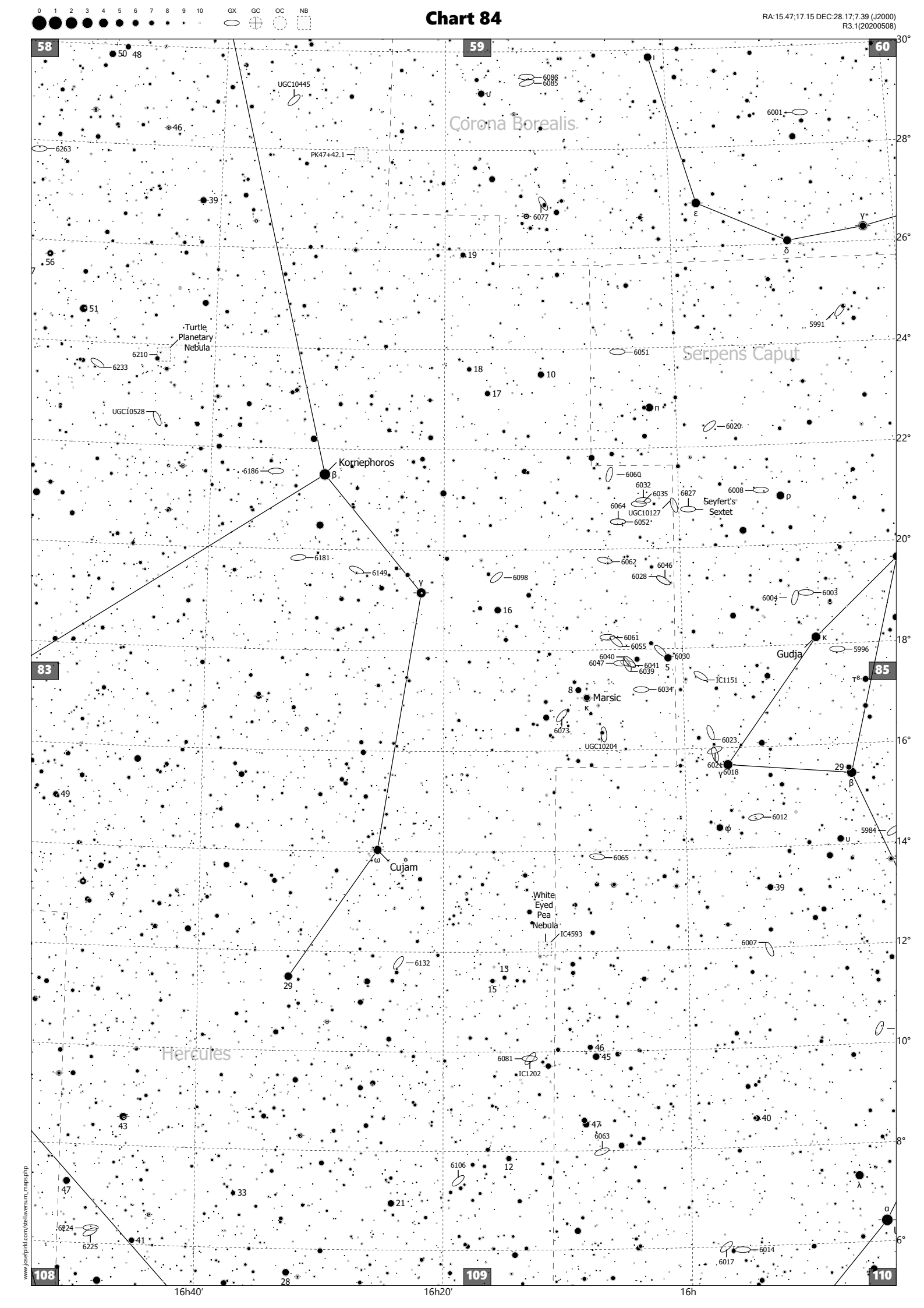

Chart 82
RA:17.42;19.10 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
56
57
58
81
83
106
107
108
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
18h40'
18h20'
18h
Hercules
Ophiuchus
Blue Racquetball PN
PK53+24.1
PK51+9.1
PK43+11.1
PK38+12.1
IC1269
IC4756
IC4665
UGC11294
UGC11057
μ
6487
6518
6632
6710
6671
6697
6674
6602
6599
6600
6547
6513
6484
6427
6431
6429
6623
6619
6628
6661
6660
6658
6641
6482
6417
6616
6577
6579
6580
6586
6458
6460
6442
6587
6549
6548
6550
6490
6495
6500
6501
6430
6468
6467
6555
6527
6627
6574
6610
6635
6570
6615
6709
6633
6572
6509
112
111
110
109
106
105
100
89
87
84
83
102
101
98
97
96
95
93
72
71

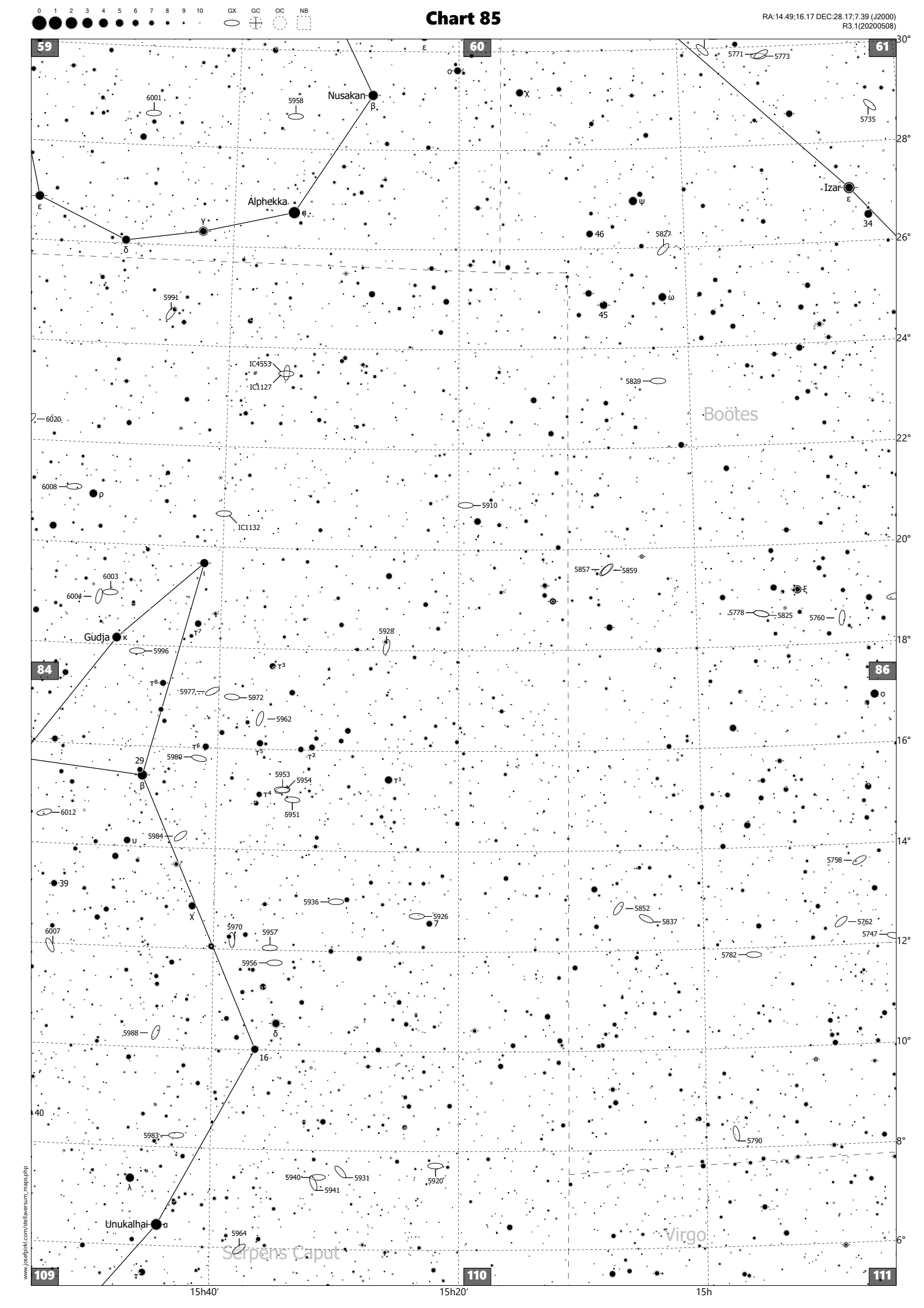
Chart 83

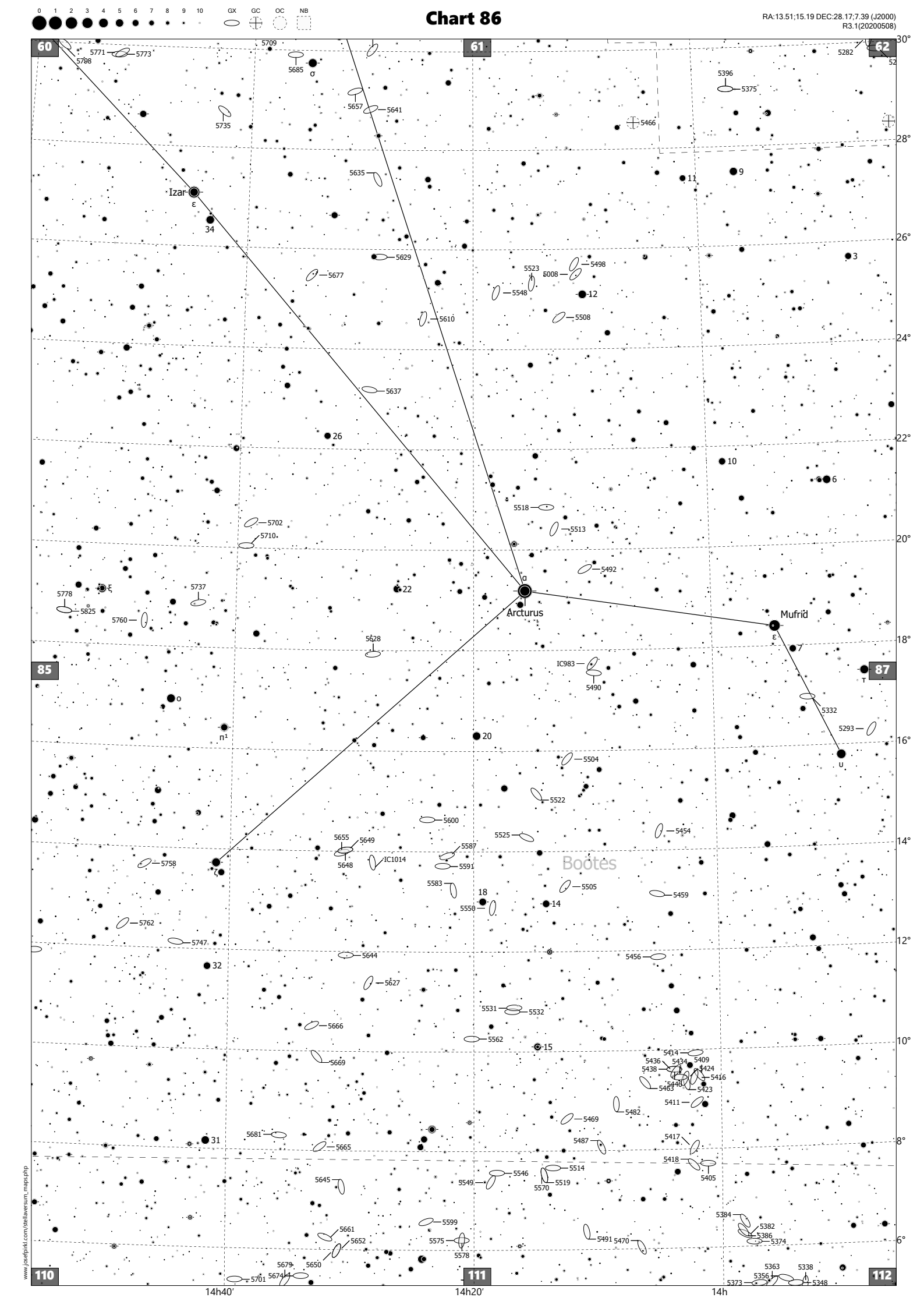
RA:16.45;18.12 DEC:28.17;7.39 (J2000)
R3.1(20200508)

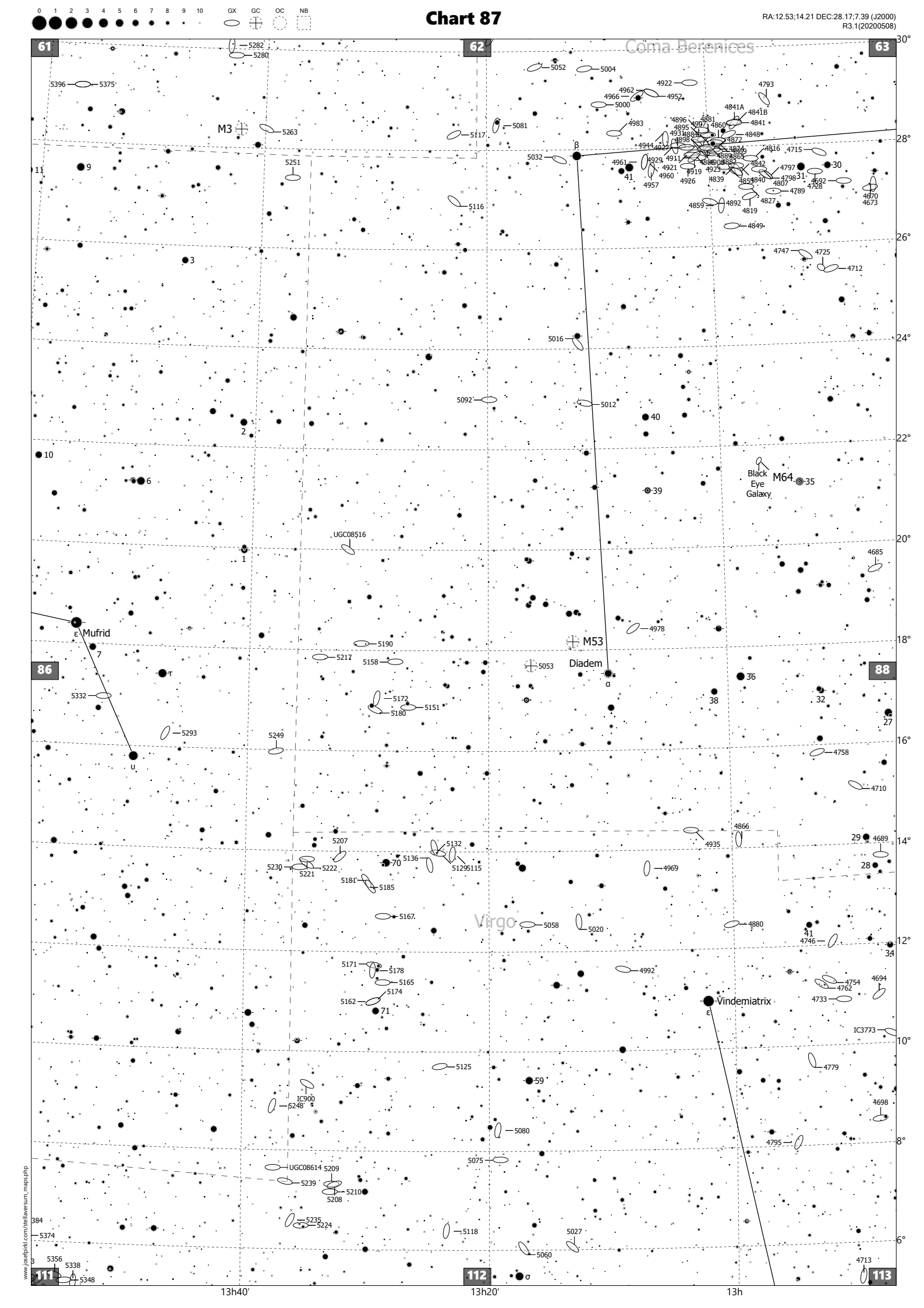


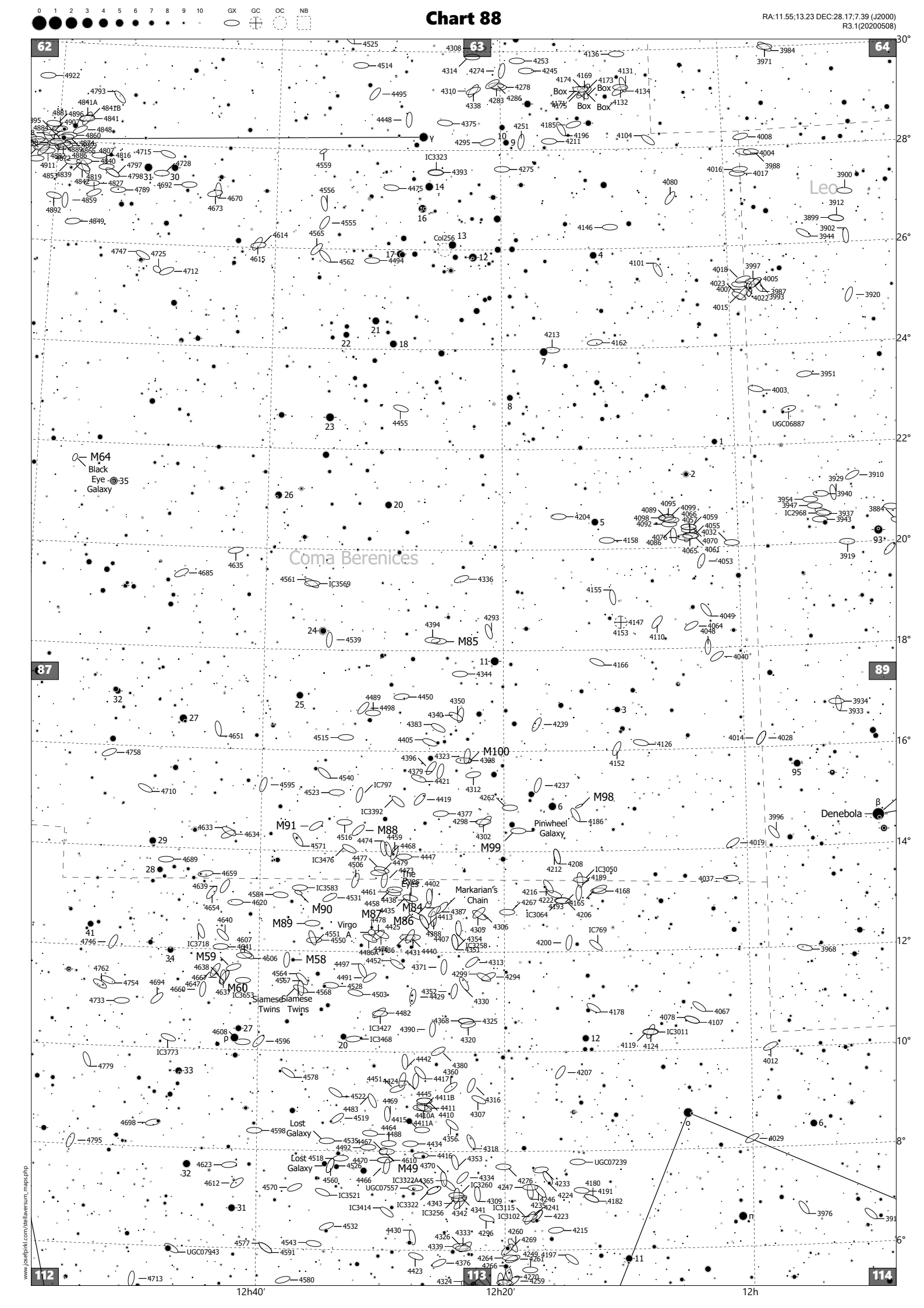
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Chart 84
RA:15.47;17.15 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
58
59
60
83
85
108
109
110
Corona Borealis
Serpens Caput
Hercules
Kornephoros
Marsic
Gudja
Cujam
Turtle Planetary Nebula
Seyfert's Sextet
White Eyed Pea Nebula
UGC10445
UGC10528
UGC10127
UGC10204
PK47+42.1
IC4593
IC1202
IC1151
16h40′
16h20′
16h
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
www.jsefpirkl.com/stellaversum_maps.php


Chart 85
RA:14.49;16.17 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
59
60
61
84
86
109
110
111
Nusakan
Alphekka
Izar
Gudja
Unukalhai
Boötes
Virgo
Serpens Caput
IC4553
IC1127
IC1132
15h40′
15h20′
15h
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
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Chart 86
RA:13.51;15.19 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
60
61
62
85
87
110
111
112
Izar
ε
34
Arcturus
α
Mufrid
ε
Bootes
IC983
IC1014
5490
5648
5655
5649
5771
5773
5708
5709
5685
σ
5735
5657
5641
5635
5629
5677
5610
5637
5702
5710
5778
5825
5737
5760
ξ
5628
5758
ζ
o
n¹
5762
5747
5644
32
5627
5666
5669
31
5681
5665
5645
5661
5652
5679
5650
5674
5701
5599
5575
5578
5549
5546
5570
5514
5519
5487
5469
5491
5470
5384
5382
5386
5374
5373
5356
5363
5338
5348
5418
5405
5417
5411
5482
5414
5436
5434
5409
5438
5424
5416
5448
5463
5423
5456
5531
5532
5562
15
5583
5550
18
14
5505
5459
5591
5587
5600
5525
5454
5504
5522
20
5293
5332
u
τ
7
IC983
5492
5518
5513
22
26
10
6
11
9
3
12
5523
6008
5498
5548
5508
5396
5375
5466
5282
14h40′
14h20′
14h
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
www.josefpirkl.com/stellaversum_maps.php


Chart 87
RA:12.53;14.21 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
61
62
63
86
88
111
112
113
Coma Berenices
Virgo
M3
M53
M64
Black Eye Galaxy
Diadem
Mufrid
Vindemiatrix
UGC08516
IC900
IC3773
UGC08614
13h40′
13h20′
13h
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°


Chart 88
RA:11.55;13.23 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
62
63
64
87
89
112
113
114
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
12h40′
12h20′
12h
Coma Berenices
Leo
M64
Black Eye Galaxy
M85
M100
M98
M91
M88
M99
Pinwheel Galaxy
M90
M89
M87
M84
M86
Virgo A
Markarian's Chain
The Eyes
M59
M58
M60
Siamese Twins
Siamese Twins
M49
Lost Galaxy
Lost Galaxy
Denebola
UGC06887
UGC07239
UGC07943
Box
Box
Box
Box
Col256
IC3323
IC3322A
IC3322
IC3521
IC3569
IC797
IC3392
IC3476
IC3583
IC3718
IC3653
IC3773
IC3427
IC3468
IC3260
IC3256
IC3414
IC3115
IC3102
IC3064
IC3050
IC3011
IC2968
IC2258
IC769
UGC07557
www.josefpirkl.com/stellaversum_maps.php

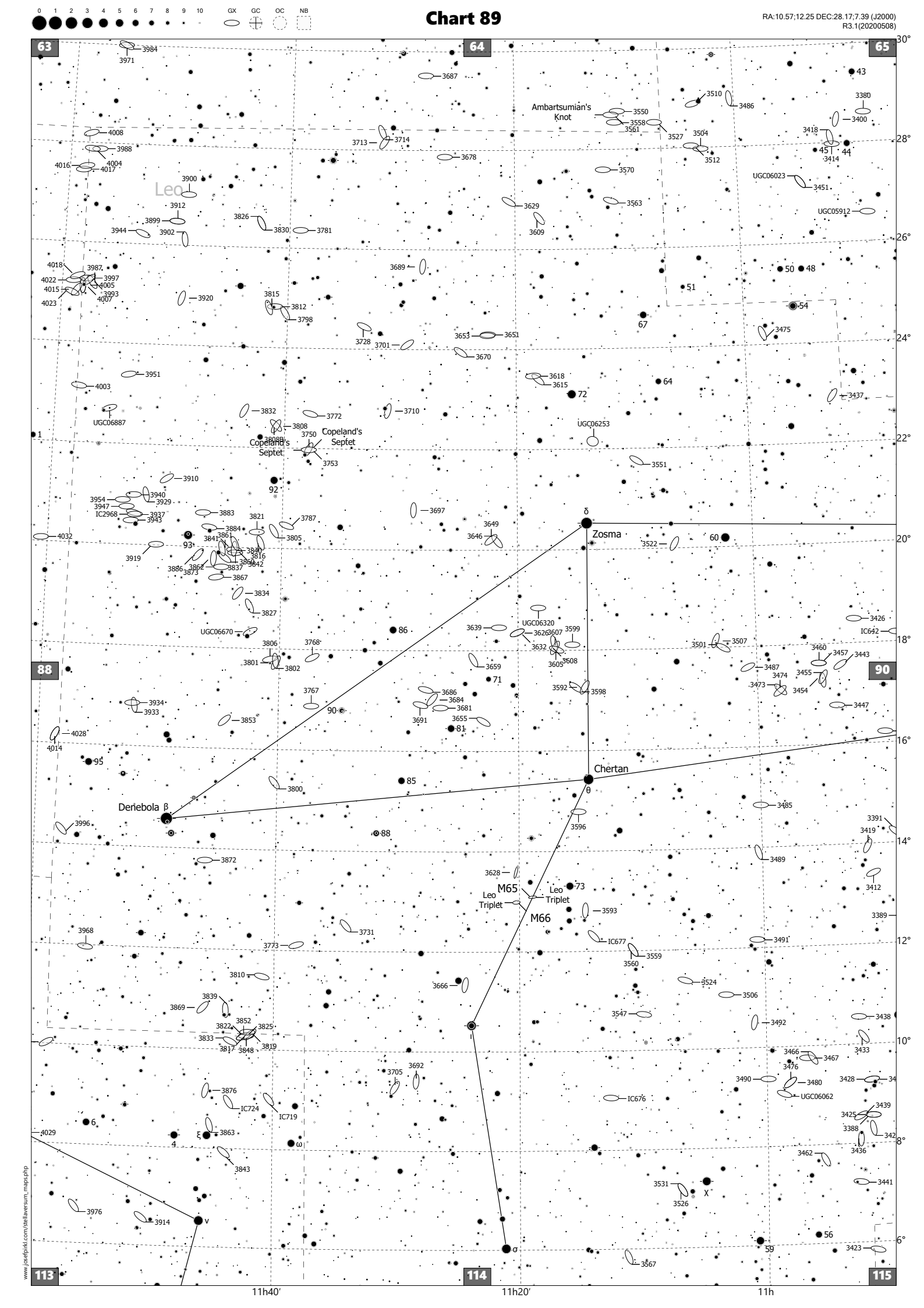
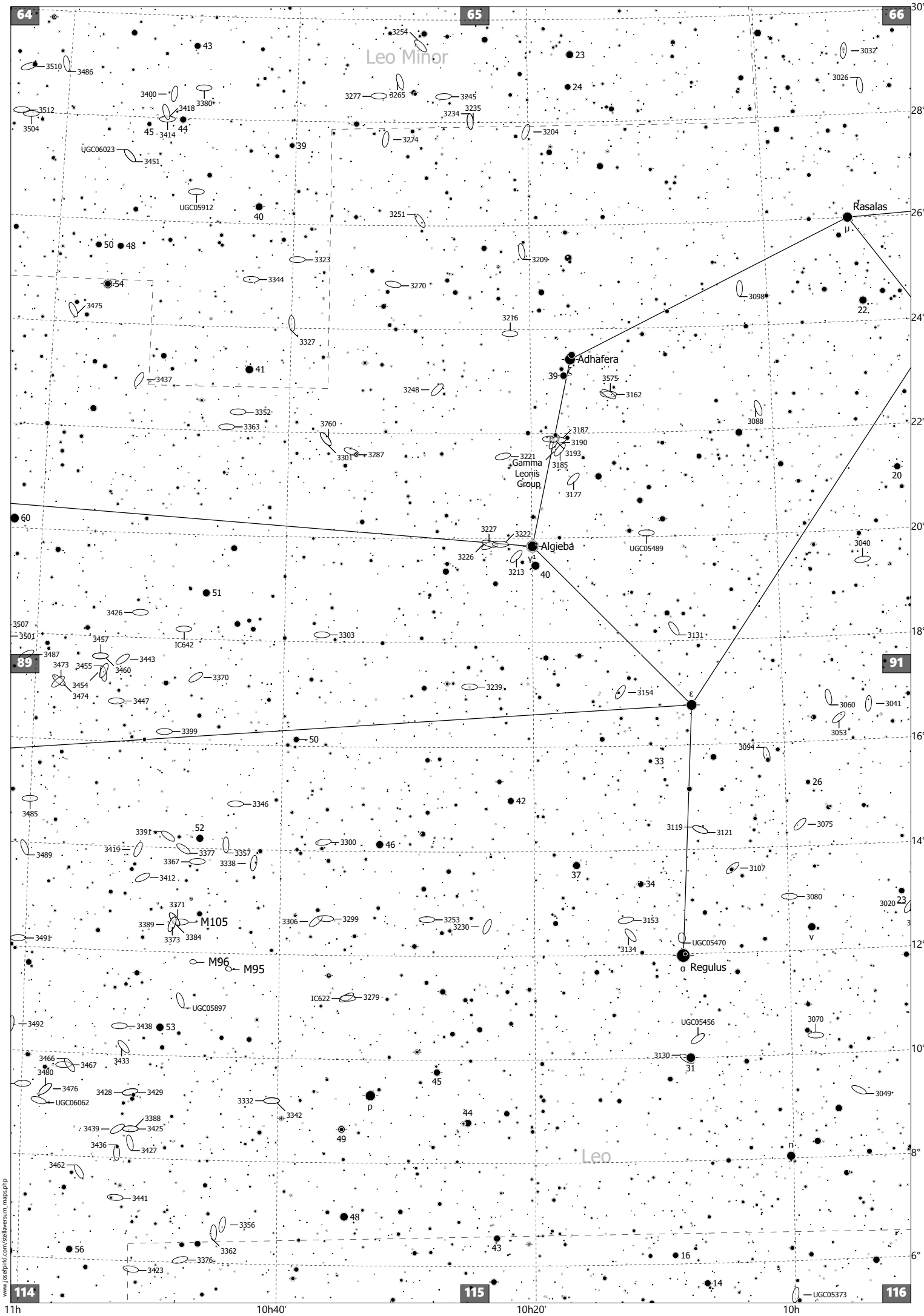

Chart 89
RA:10.57;12.25 DEC:28.17;7.39 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 8 9 10
GX GC OC NB
63
64
65
88
90
113
114
115
Leo
Ambartsumian's Knot
Copeland's Septet
Copeland's Septet
Zosma
Chertan
Denebola β
Leo Triplet
Leo Triplet
M65
M66
UGC06887
UGC06253
UGC06670
UGC06320
UGC06023
UGC05912
UGC06062
IC2968
IC642
IC677
IC676
IC724
IC719
11h40′
11h20′
11h
30°
28°
26°
24°
22°
20°
18°
16°
14°
12°
10°
8°
6°
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Chart 90

RA:9.59;11.27 DEC:28.17;7.39 (J2000)
R3.1(20200508)



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