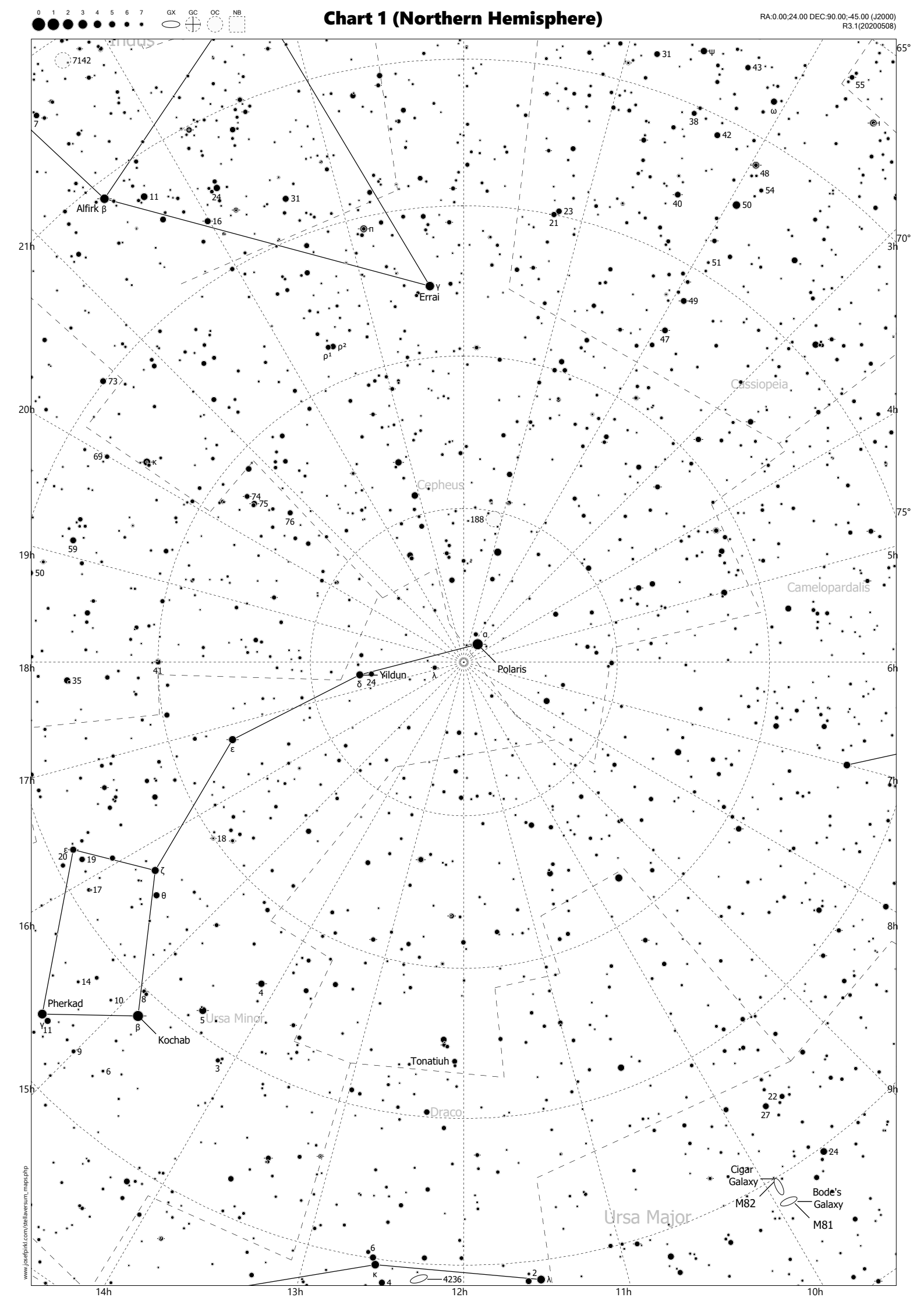
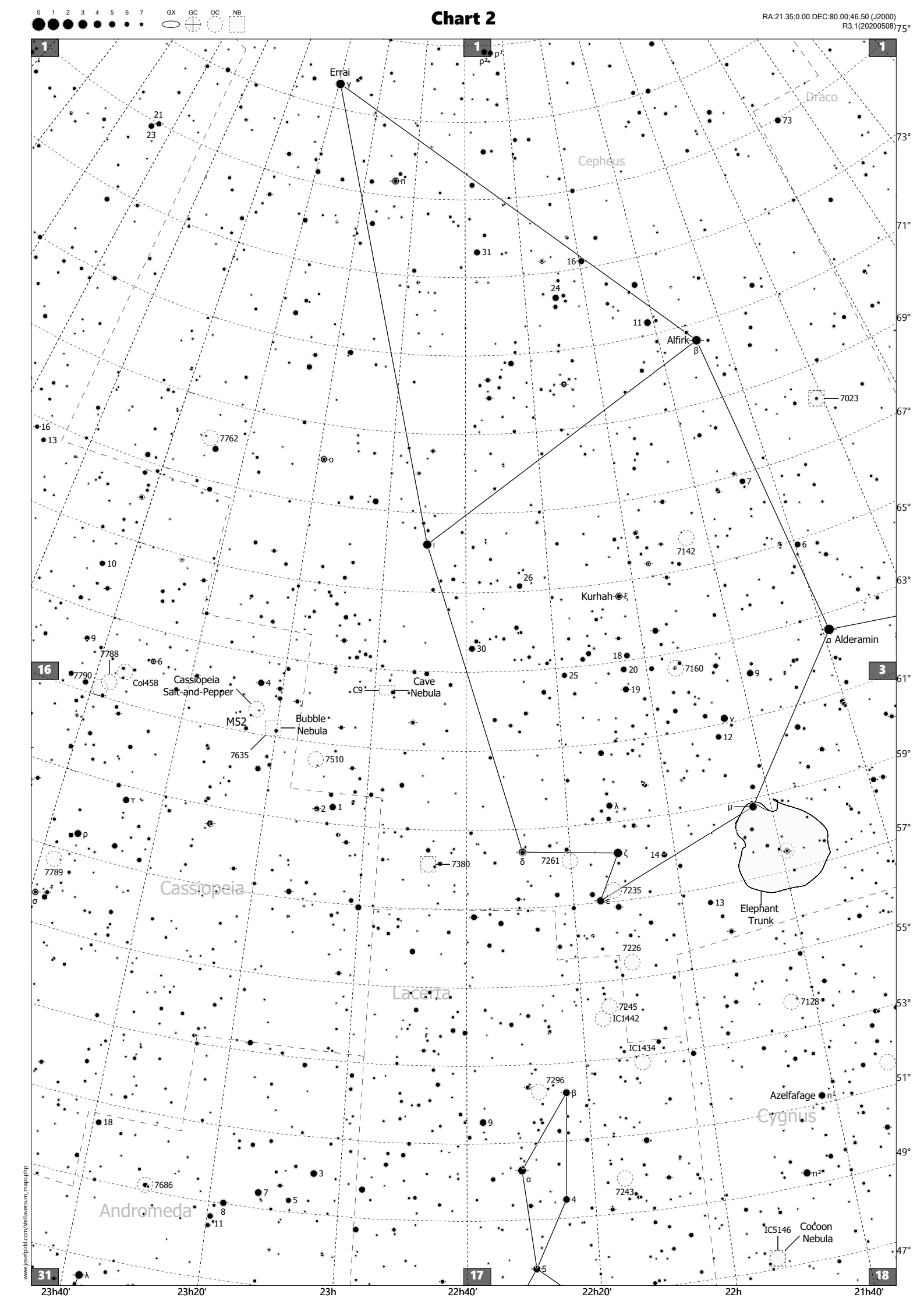

0 1 2 3 4 5 6 7
GX GC OC NB
Chart 1 (Northern Hemisphere)
RA:0.00;24.00 DEC:90.00;-45.00 (J2000)
R3.1(20200508)
Alfirk β
Errai γ
Cassiopeia
Cepheus
Camelopardalis
Polaris α
Yildun δ
Pherkad γ
Kochab β
Ursa Minor
Tonatiuh
Draco
Ursa Major
Cigar Galaxy
M82
Bode's Galaxy
M81
4236
21h
20h
19h
18h
17h
16h
15h
14h
13h
12h
11h
10h
3h
4h
5h
6h
7h
8h
9h
65°
70°
75°
www.jsefpirkl.com/stellaversum_maps.php


Chart 2
RA:21.35;0.00 DEC:80.00;46.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 GX GC OC NB
Errai
γ
Draco
Cepheus
Alfirk
β
Kurhah
ξ
α Alderamin
Cassiopeia
Salt-and-Pepper
Col458
M52
Bubble
Nebula
Cave
Nebula
C9
Elephant
Trunk
Lacerta
IC1442
IC1434
Cygnus
Azelfafage
Andromeda
IC5146
Cocoon
Nebula
7762
7023
7142
7160
7788
7790
7635
7510
7380
7261
7235
7226
7245
7128
7296
7243
7686
23h40′
23h20′
23h
22h40′
22h20′
22h
21h40′
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
www.jsefpirkl.com/stellaversum_maps.php

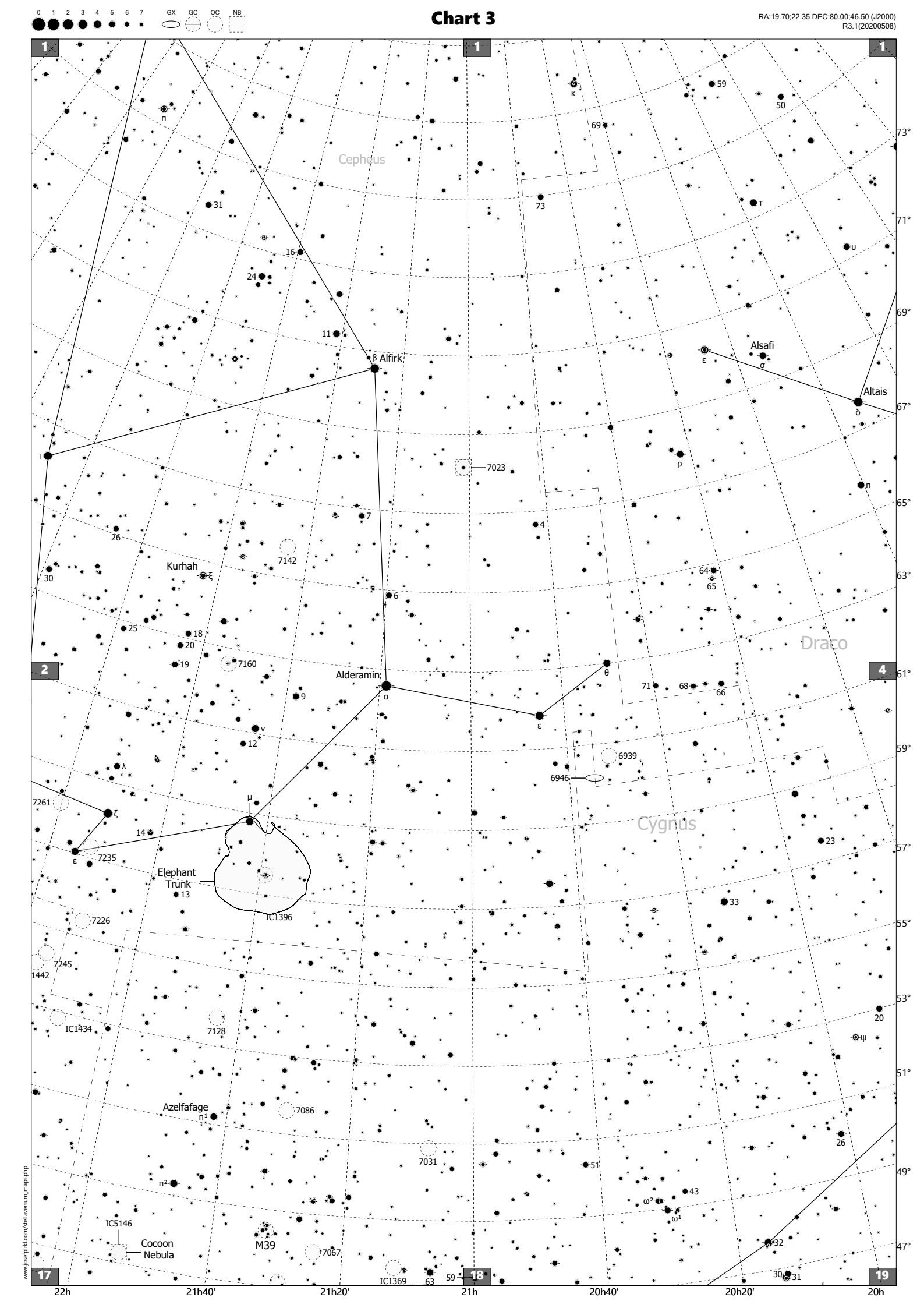
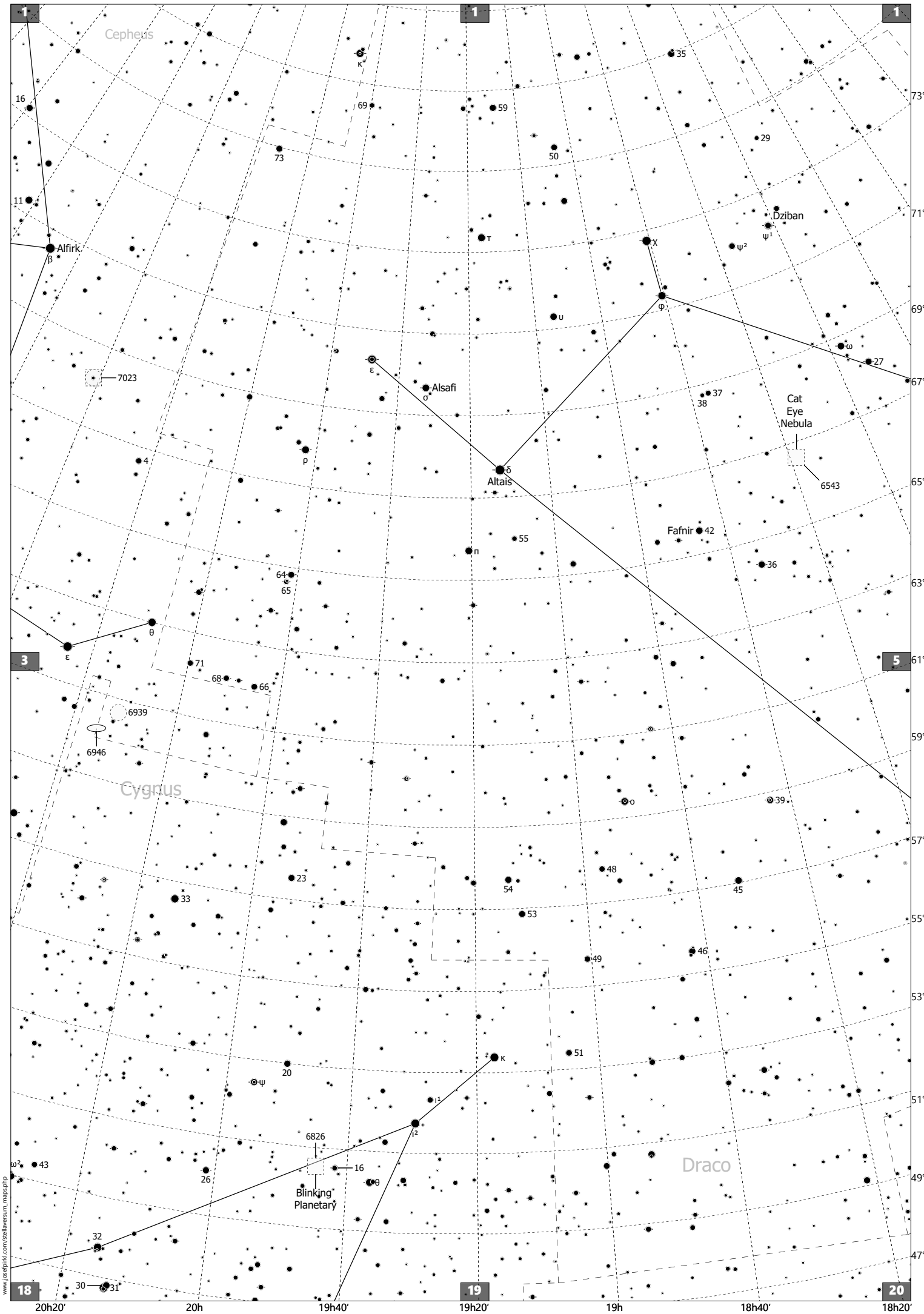

Chart 3
RA:19.70;22.35 DEC:80.00;46.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
Cepheus
Draco
Cygnus
β Alfirk
Alsafi
Altais
Kurhah
Alderamin
Elephant Trunk
IC1396
Azelfafage
IC1434
IC5146
Cocoon Nebula
M39
IC1369
7023
7142
7160
7226
7245
7128
7086
7031
7067
6939
6946
7235
7261
1442
22h
21h40′
21h20′
21h
20h40′
20h20′
20h
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
www.jsefpirkl.com/stellaversum_maps.php

Chart 4

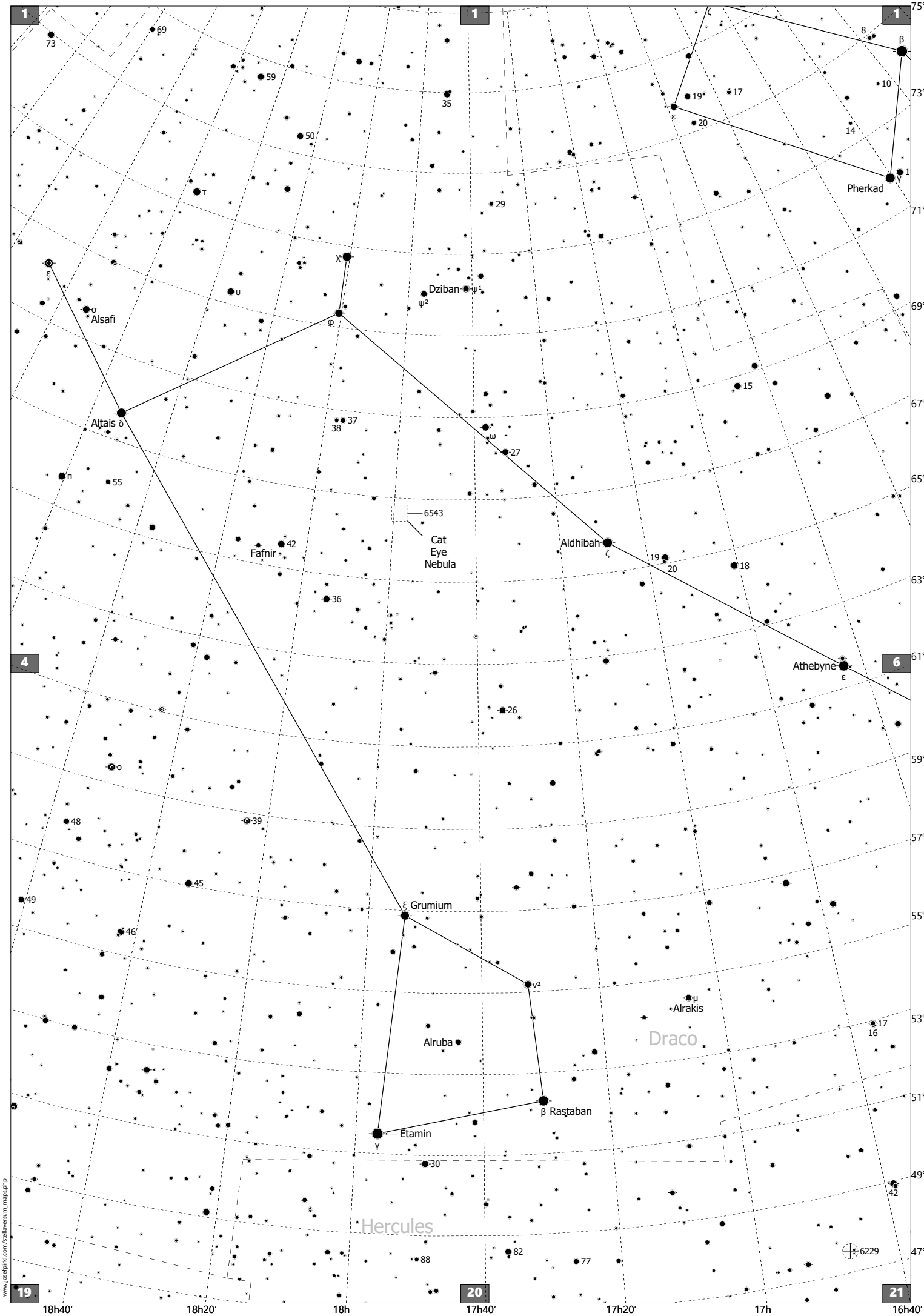
RA:18.05;20.70 DEC:80.00;46.50 (J2000)
R3.1(20200508)



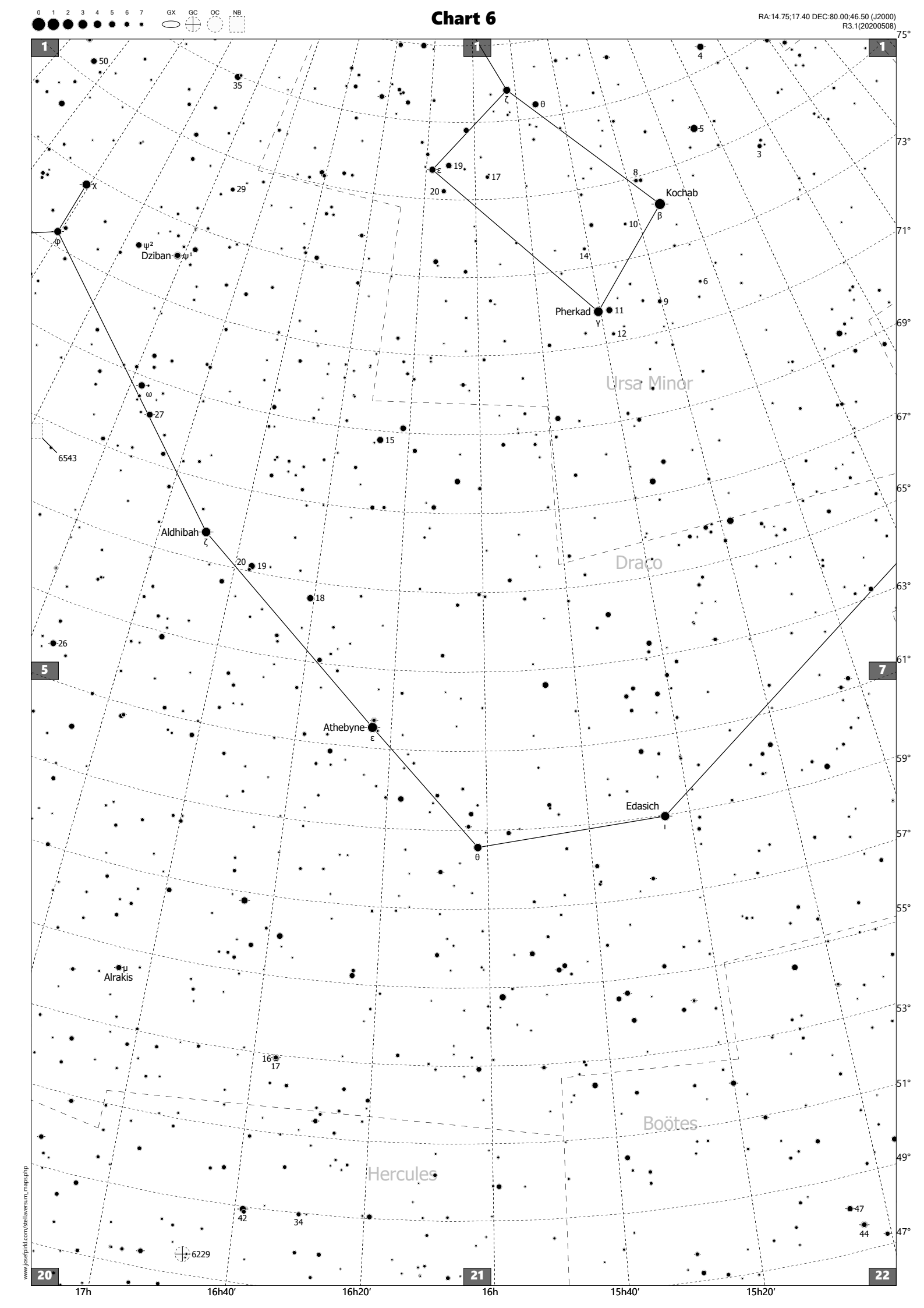
www.jsefpirkl.com/stellaversum_maps.php

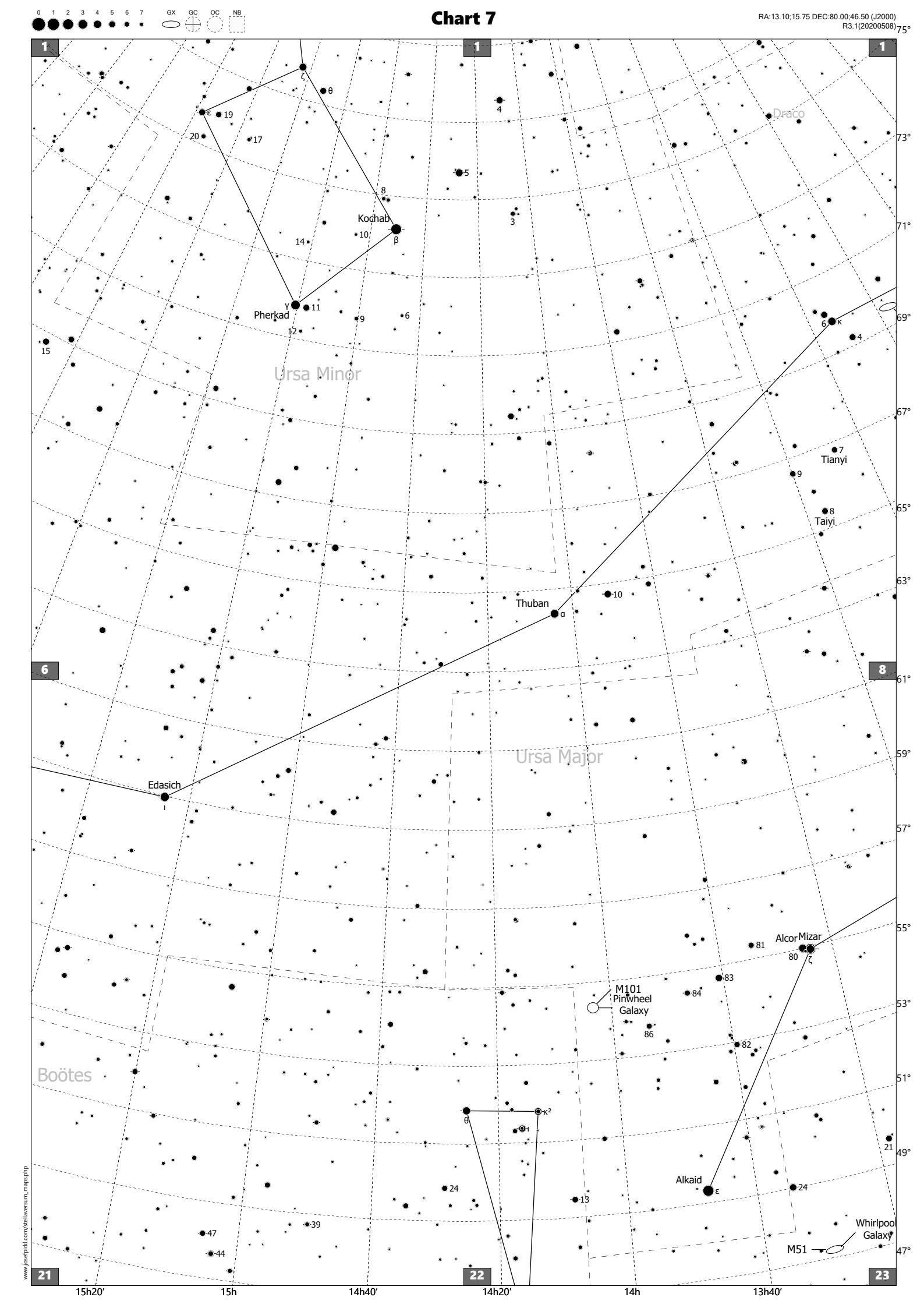
Chart 5

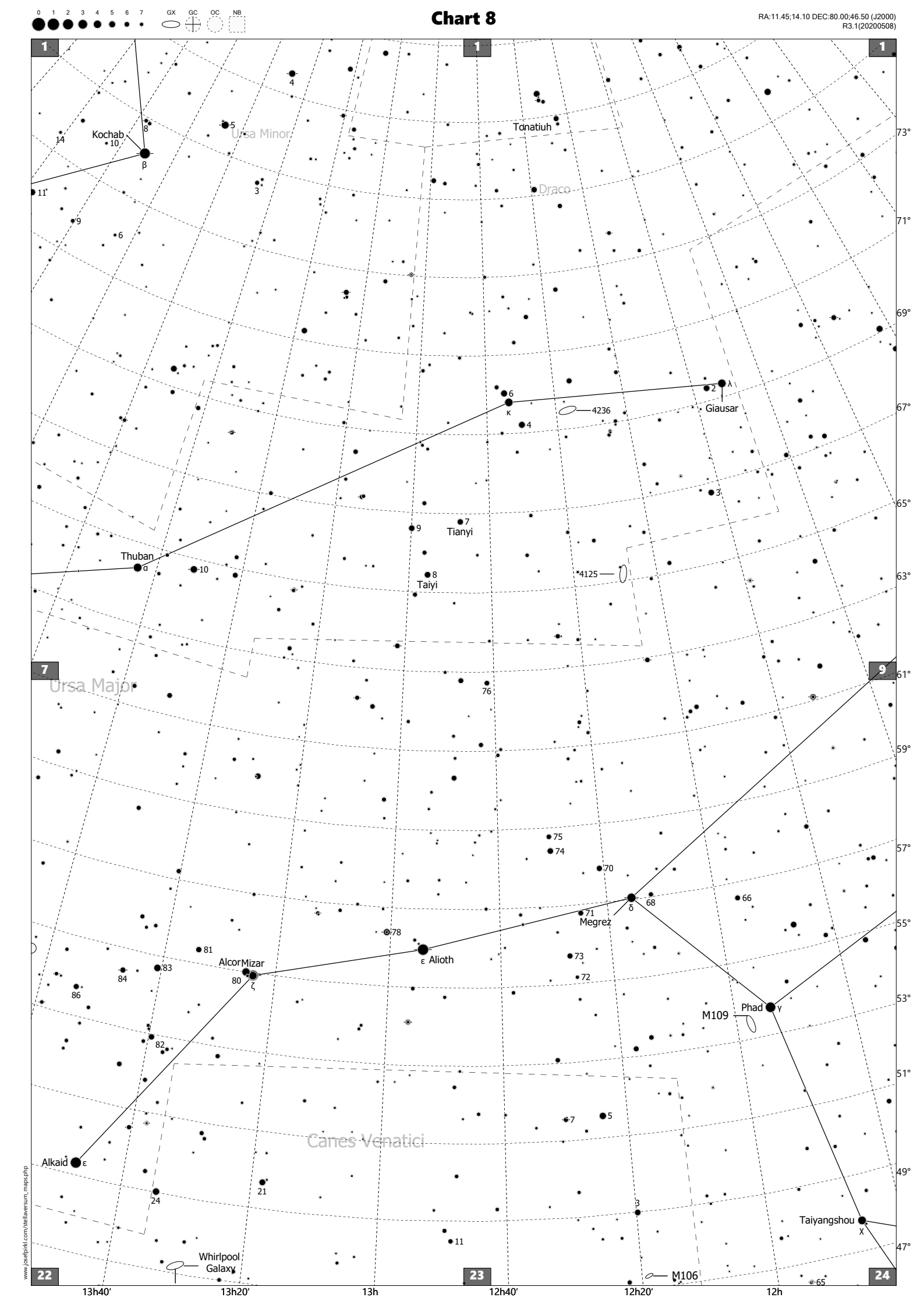
RA:16.40;19.05 DEC:80.00;46.50 (J2000)
R3.1(20200508)

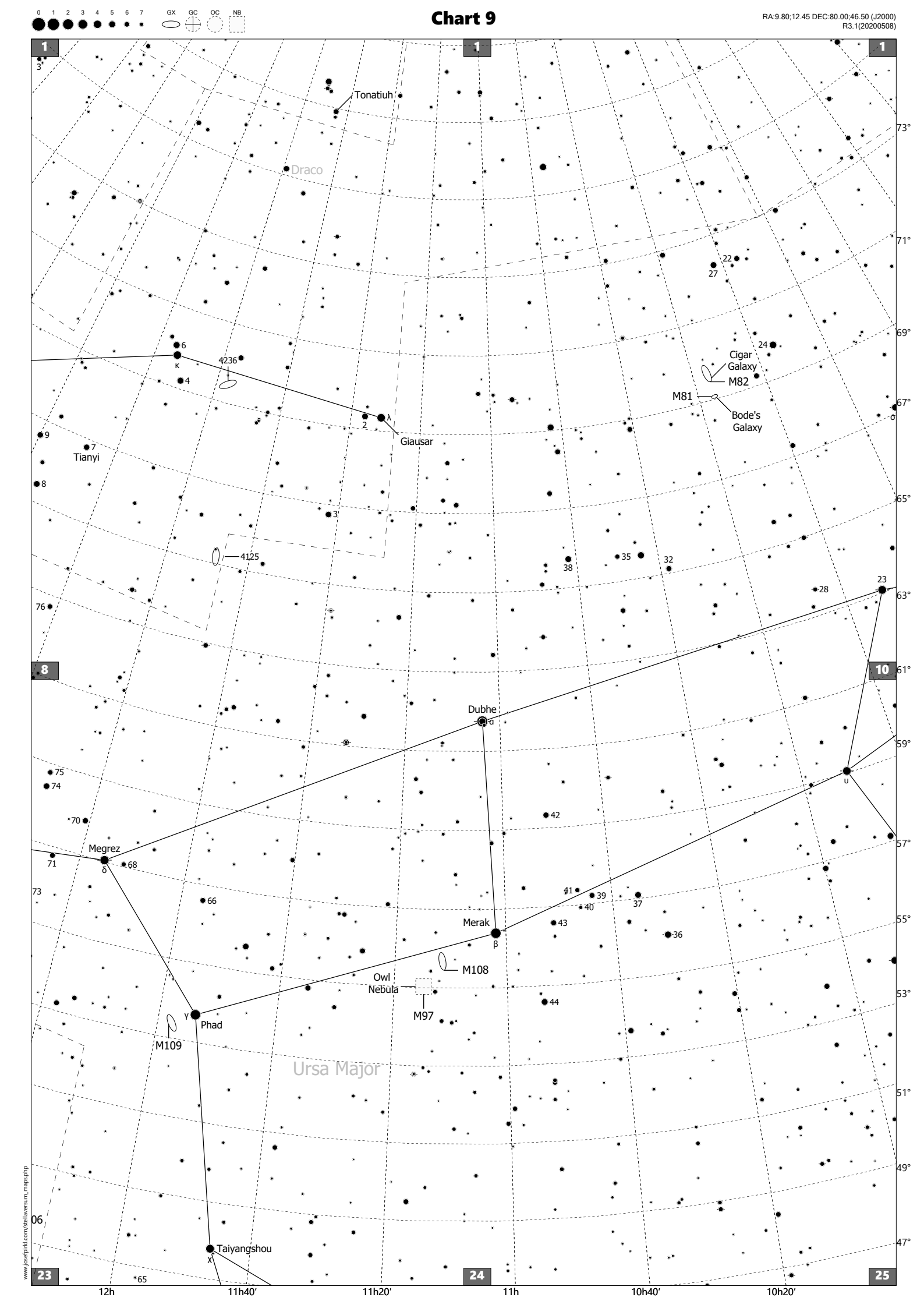


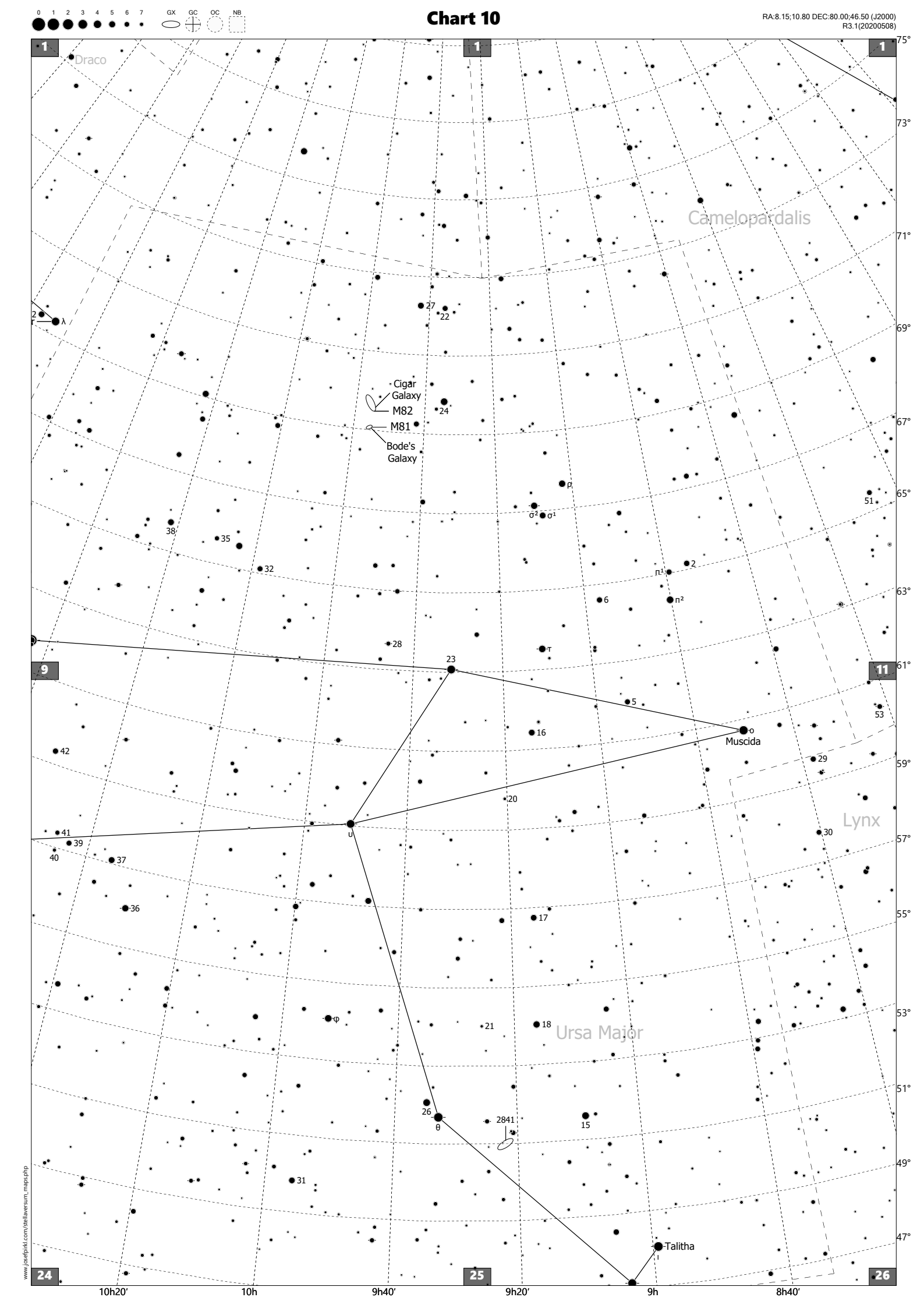
www.josefpirkl.com/stellaversum_maps.php

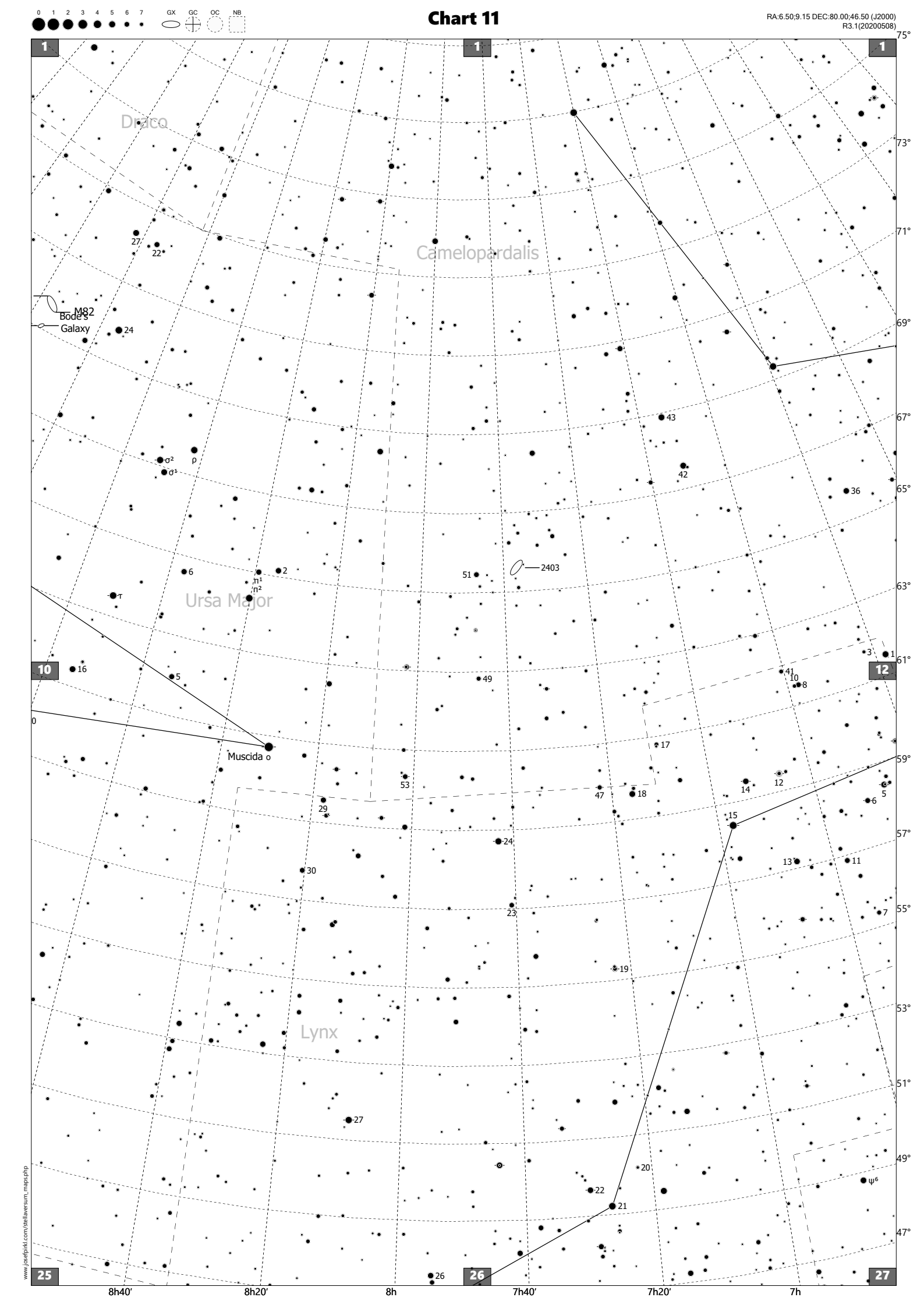

Chart 6
RA:14.75;17.40 DEC:80.00;46.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
Kochab
Pherkad
Dziban
Aldhibah
Athebyne
Edasich
Alrakis
6543
6229
Ursa Minor
Draco
Boötes
Hercules
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
17h
16h40′
16h20′
16h
15h40′
15h20′
www.josefpirkl.com/stellaversum_maps.php

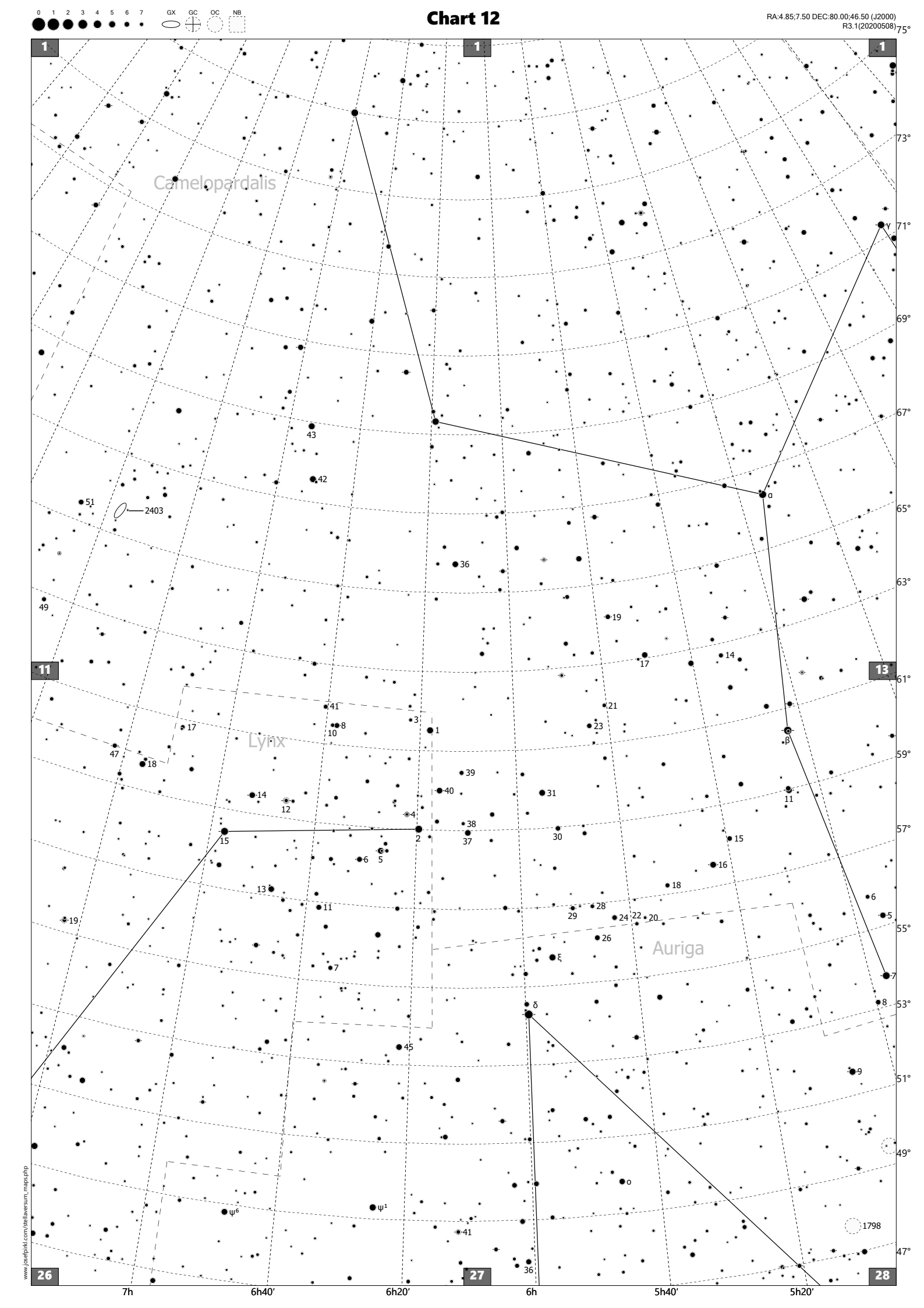

Chart 7
RA:13.10;15.75 DEC:80.00;46.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
Draco
Ursa Minor
Ursa Major
Boötes
Kochab
β
Pherkad
γ
Thuban
α
Edasich
ι
Tianyi
Taiyi
Alcor
Mizar
ζ
M101
Pinwheel
Galaxy
Alkaid
ε
M51
Whirlpool
Galaxy
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
15h20′
15h
14h40′
14h20′
14h
13h40′
www.jsfelpinkl.com/stellaversum_maps.php

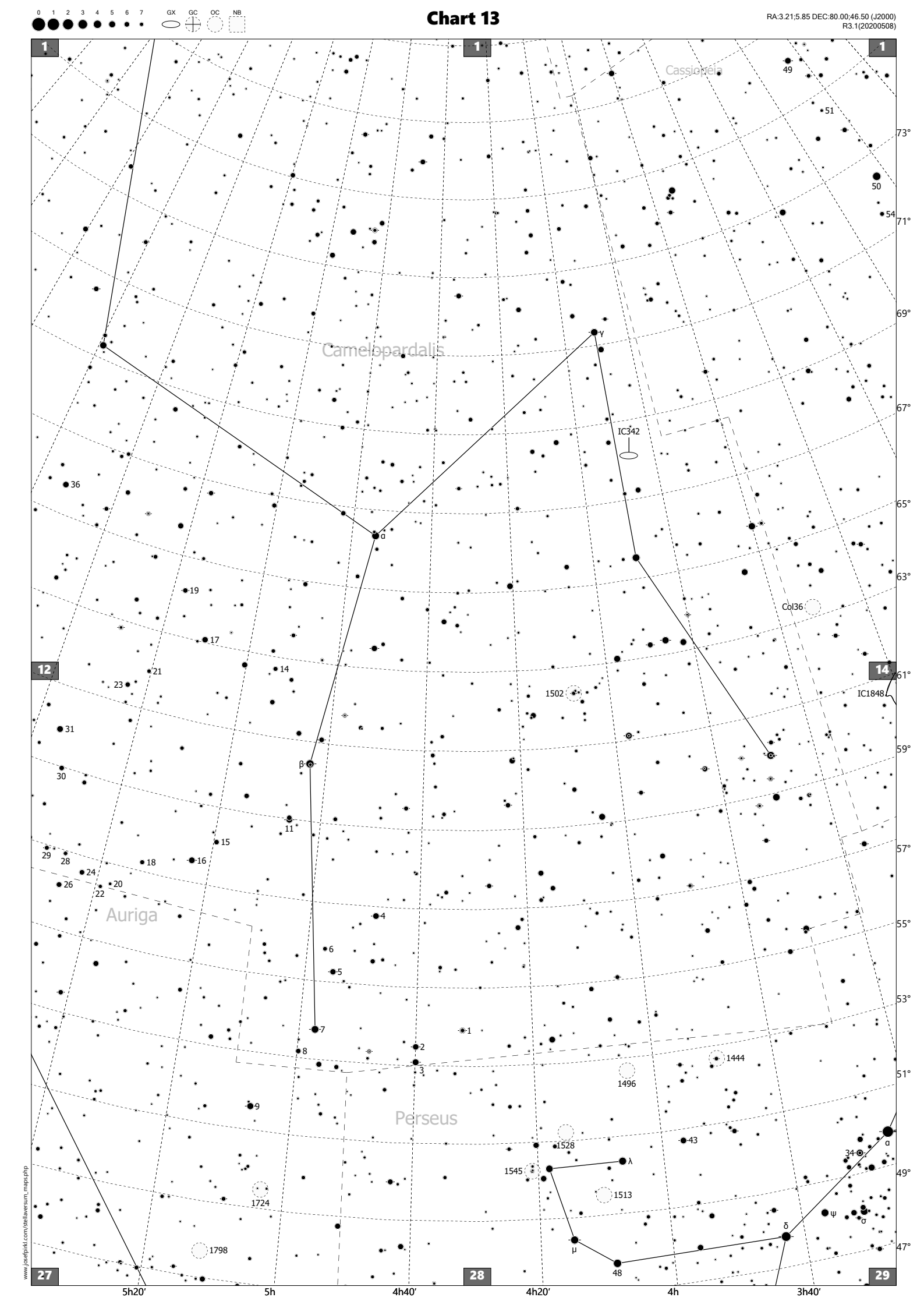

Chart 8
RA:11.45;14.10 DEC:80.00;46.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
Ursa Minor
Draco
Ursa Major
Canes Venatici
Kochab
β
Tonatiuh
Thuban
α
Tianyi
Taiyi
κ
λ
Giausar
4236
4125
Megrez
δ
Alioth
ε
Alcor
Mizar
ζ
Phad
γ
M109
M106
Alkaid
ε
Whirlpool Galaxy
Taiyangshou
χ
1
7
9
22
23
24
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
13h40′
13h20′
13h
12h40′
12h20′
12h
www.jsefpirkl.com/stellaversum_maps.php

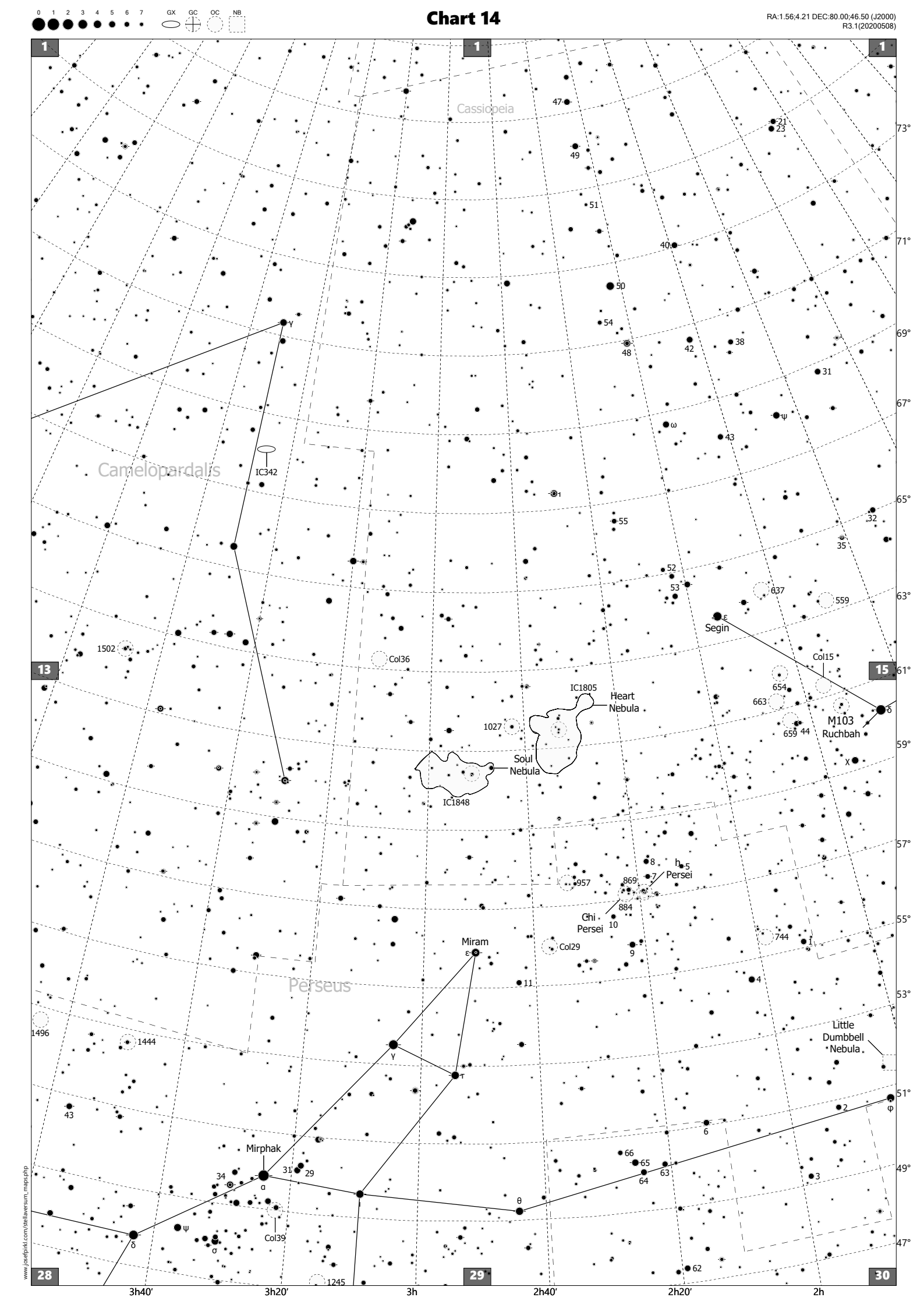

Chart 9
RA:9.80;12.45 DEC:80.00;46.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
Tonatiuh
Draco
Cigar Galaxy
M82
M81
Bode's Galaxy
Giausar
Tianyi
Dubhe
Megrez
Merak
Phad
M108
Owl Nebula
M97
M109
Ursa Major
Taiyangshou
www.jsefpirkl.com/stellaversum_maps.php
12h
11h40'
11h20'
11h
10h40'
10h20'

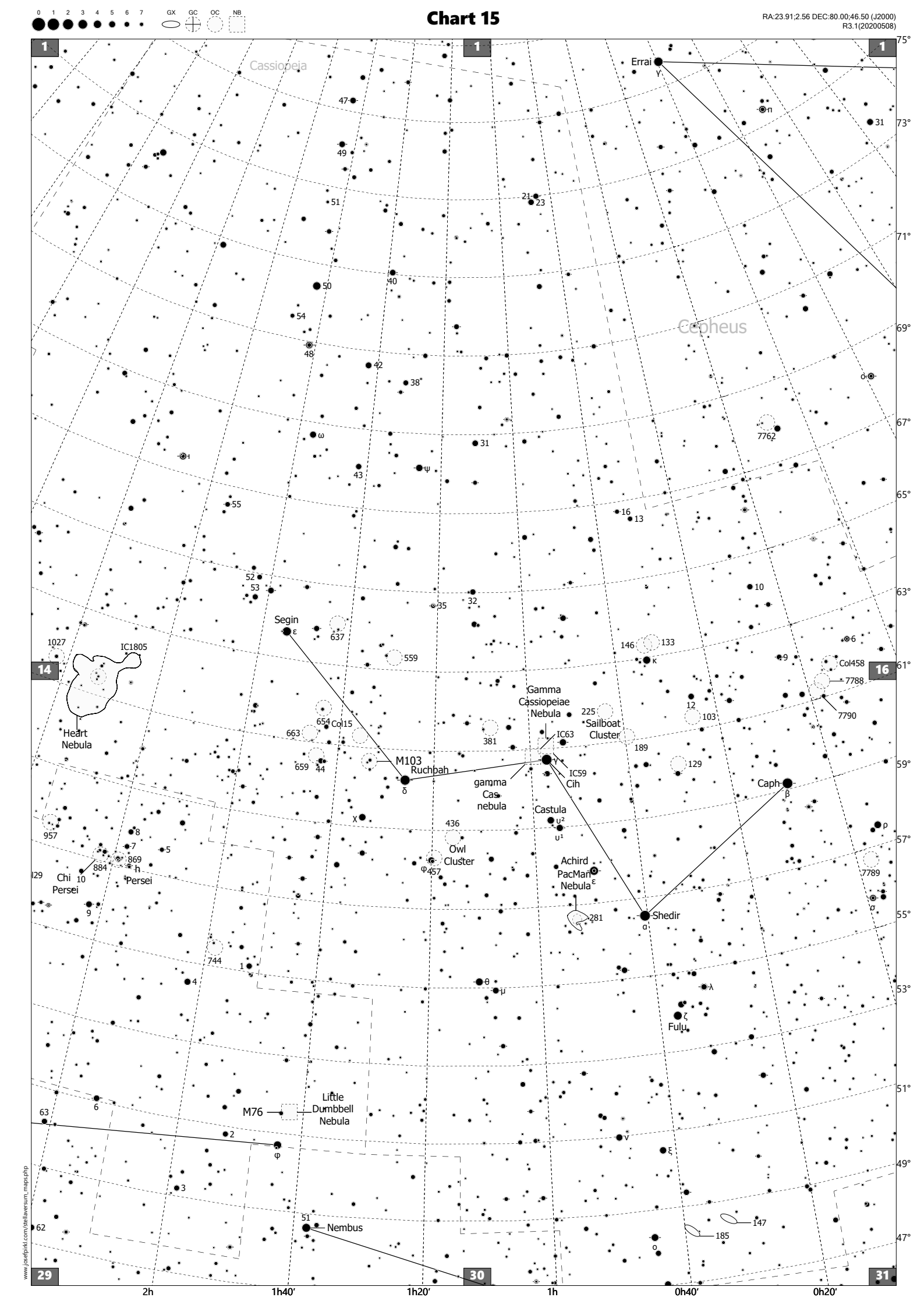

Chart 10
RA:8.15;10.80 DEC:80.00;46.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
Draco
Camelopardalis
Lynx
Ursa Major
Cigar Galaxy
M82
M81
Bode's Galaxy
Muscida
Talitha
ρ
σ²
σ¹
τ
υ
φ
θ
λ
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
10h20′
10h
9h40′
9h20′
9h
8h40′
www.jsefipirkl.com/stellaversum_maps.php

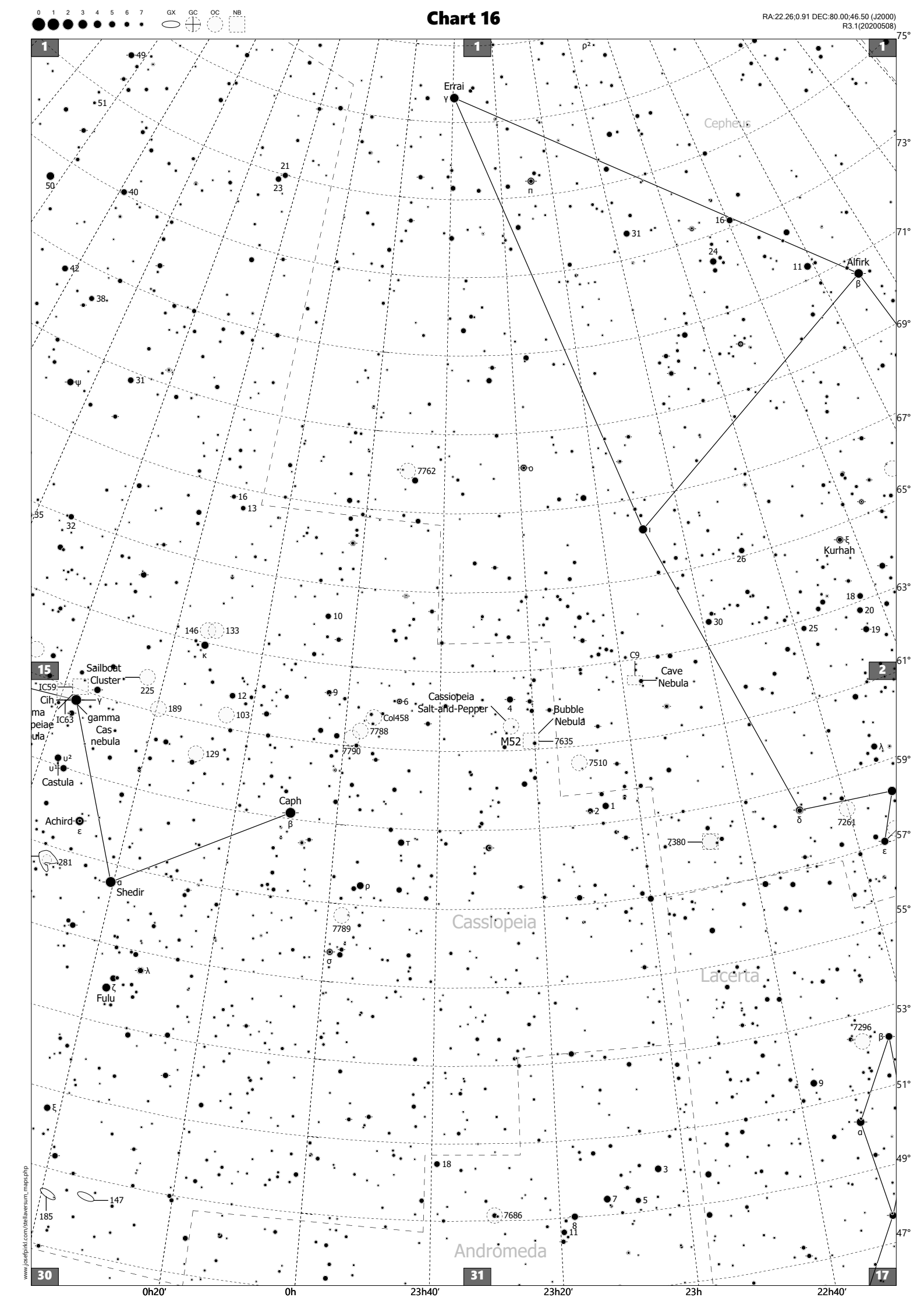

0 1 2 3 4 5 6 7
GX GC OC NB
Chart 11
RA:6.50;9.15 DEC:80.00;46.50 (J2000)
R3.1(20200508)
Draco
Camelopardalis
Ursa Major
Lynx
M82
Bode's
Galaxy
Muscida o
2403
σ²
σ¹
ρ
n¹
n²
1
10
12
25
26
27
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
8h40′
8h20′
8h
7h40′
7h20′
7h
www.josefpirkl.com/stellaversum_maps.php

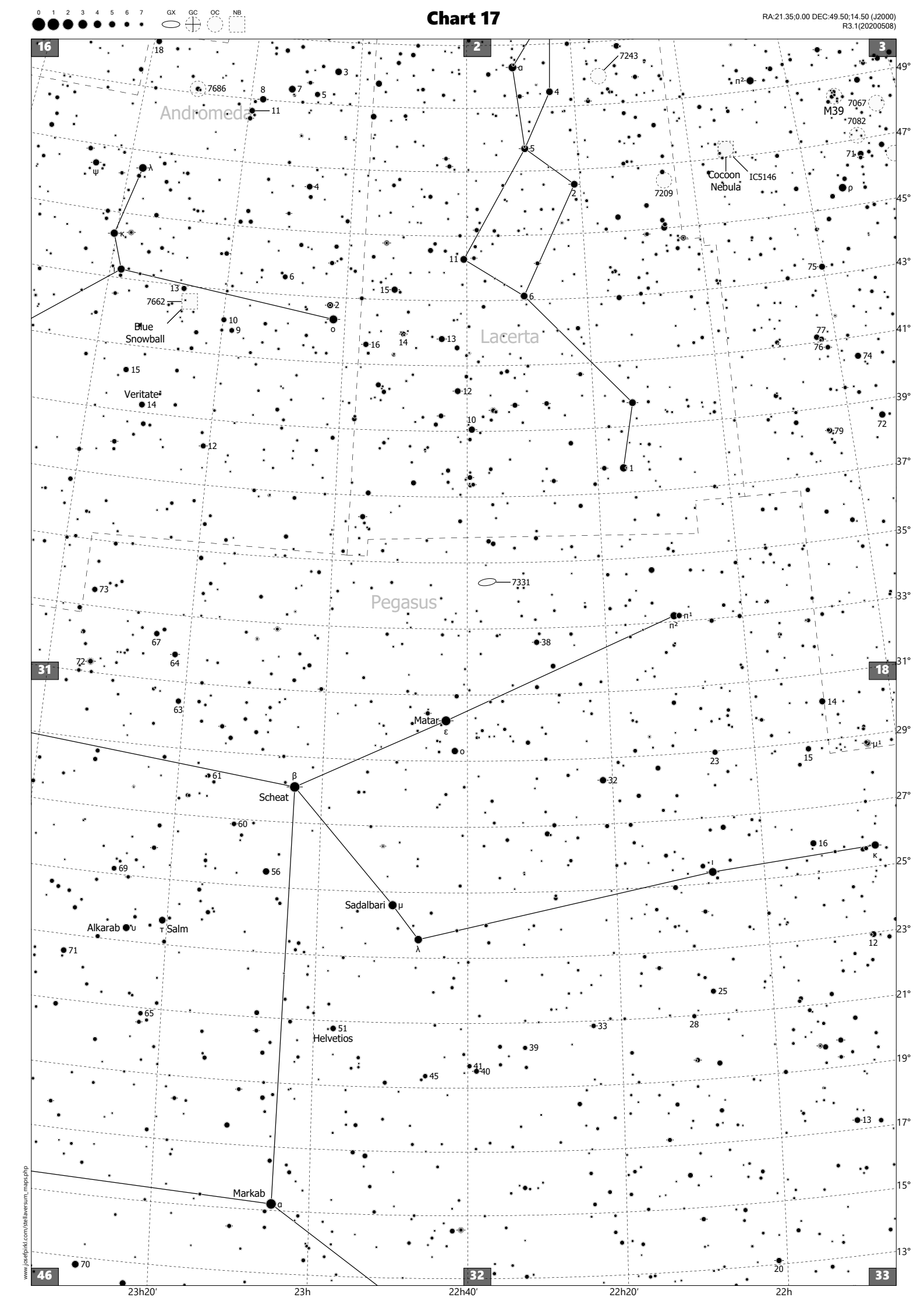

0 1 2 3 4 5 6 7
GX GC OC NB
Chart 12
RA:4.85;7.50 DEC:80.00;46.50 (J2000)
R3.1(20200508)
Camelopardalis
Lynx
Auriga
1
11
13
26
27
28
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
7h
6h40'
6h20'
6h
5h40'
5h20'
α
β
γ
δ
ξ
ο
ψ¹
ψ⁶
2403
1798
www.jsefpirkl.com/stellaversum_maps.php


0 1 2 3 4 5 6 7
GX GC OC NB
Chart 13
RA:3.21;5.85 DEC:80.00;46.50 (J2000)
R3.1(20200508)
Cassiopeia
Camelopardalis
Auriga
Perseus
IC342
Col36
IC1848
1502
1496
1444
1528
1545
1513
1724
1798
α
β
γ
δ
λ
μ
ψ
σ
1
12
14
27
28
29
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
5h20′
5h
4h40′
4h20′
4h
3h40′
www.jsefpirkl.com/stellaversum_maps.php


0 1 2 3 4 5 6 7
GX GC OC NB
Chart 14
RA:1.56;4.21 DEC:80.00;46.50 (J2000)
R3.1(20200508)
Cassiopeia
Camelopardalis
Perseus
IC342
Col36
IC1805
Heart Nebula
Soul Nebula
IC1848
Segin
Col15
M103
Ruchbah
Miram
Col29
Ghi Persei
h Persei
Mirphak
Col39
Little Dumbbell Nebula
1502
1496
1444
1245
1027
957
869
884
744
654
663
659
637
559
1
13
15
28
29
30
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
3h40′
3h20′
3h
2h40′
2h20′
2h
www.jsefpirkl.com/stellaversum_maps.php


Chart 15
RA:23.91;2.56 DEC:80.00;46.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
Cassiopeia
Cepheus
Errai
γ
Segin
ε
Ruchbah
δ
M103
Gamma Cassiopeiae Nebula
IC63
IC59
Cih
gamma Cas nebula
Sailboat Cluster
Caph
β
Shedir
α
Castula
υ²
υ¹
Achird
PacMan Nebula
ε
Owl Cluster
φ
Heart Nebula
IC1805
Chi Persei
h Persei
Fulu
ζ
Little Dumbbell Nebula
M76
Nembus
Col15
Col458
7788
7790
7762
7789
1027
957
884
869
744
654
663
659
637
559
381
225
189
146
133
103
129
436
457
281
185
147
1
2
3
4
5
6
7
8
9
10
12
13
16
31
32
35
38
40
42
43
44
47
48
49
50
51
52
53
54
55
62
63
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
2h
1h40′
1h20′
1h
0h40′
0h20′
29
30
31
14
16
www.jsefpirkl.com/stellaversum_maps.php


Chart 16
RA:22.26;0.91 DEC:80.00;46.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 GX GC OC NB
Errai
γ
Cepheus
Alfirk
β
Kurhah
ξ
Cave
Nebula
C9
Cassiopeia
Salt-and-Pepper
Bubble
Nebula
M52
Col458
Sailboat
Cluster
IC59
IC63
Cih
gamma
Cas
nebula
Castula
Achird
Caph
β
Shedir
α
Fulu
ζ
Cassiopeia
Lacerta
Andromeda
7762
7788
7790
7635
7510
7789
7380
7261
7296
7686
1
2
15
30
31
17
0h20′
0h
23h40′
23h20′
23h
22h40′
75°
73°
71°
69°
67°
65°
63°
61°
59°
57°
55°
53°
51°
49°
47°
www.jsefpirkl.com/stellaversum_maps.php


Chart 17
RA:21.35;0.00 DEC:49.50;14.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 GX GC OC NB
16
2
3
31
18
46
32
33
Andromeda
Lacerta
Pegasus
Cocoon Nebula
IC5146
M39
7067
7082
7209
7243
7686
7662
7331
Blue Snowball
Veritate
Matar
Scheat
Sadalbari
Alkarab
Salm
Markab
Helvetios
23h20′
23h
22h40′
22h20′
22h
www.jsefpirkl.com/stellaversum_maps.php

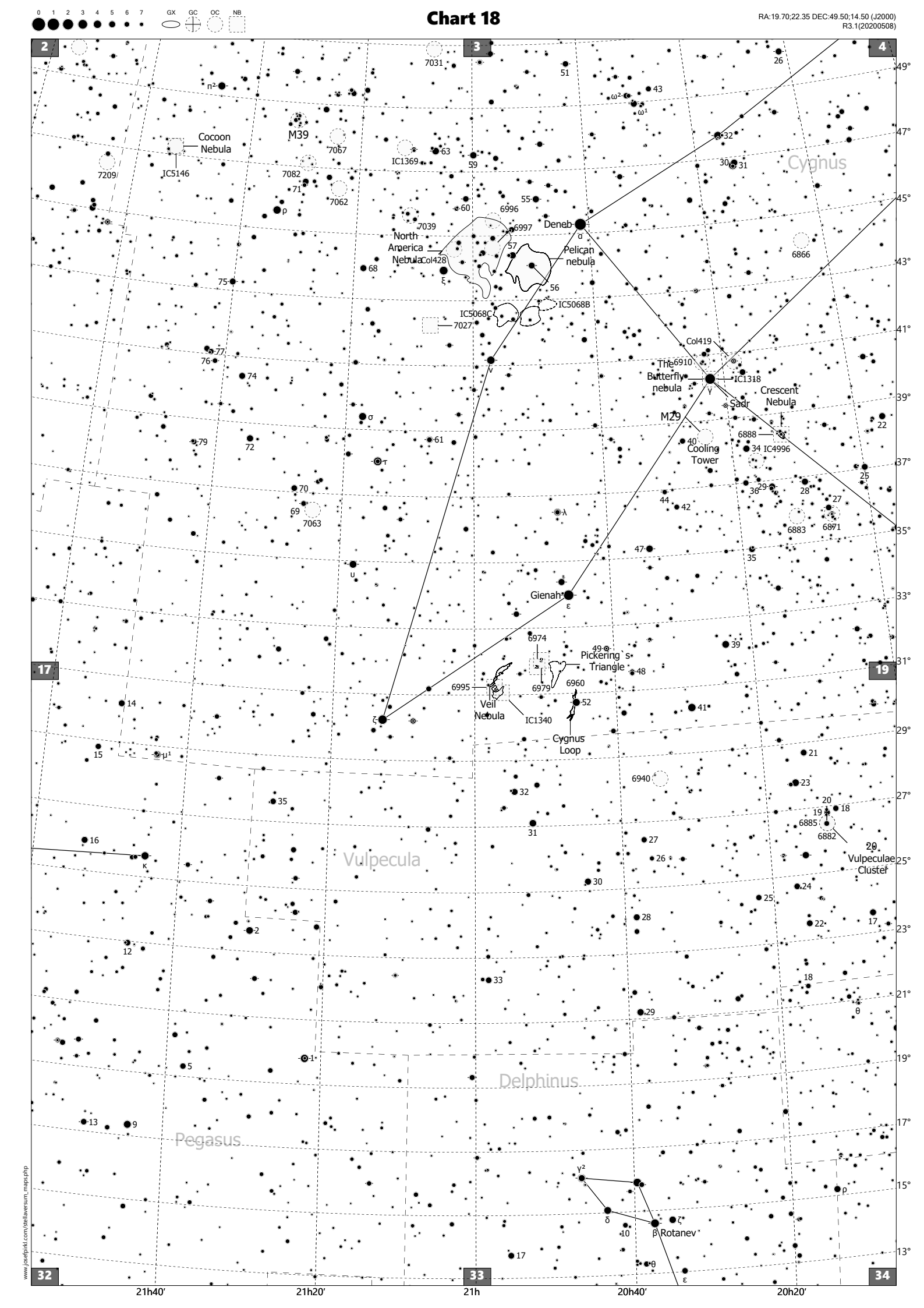
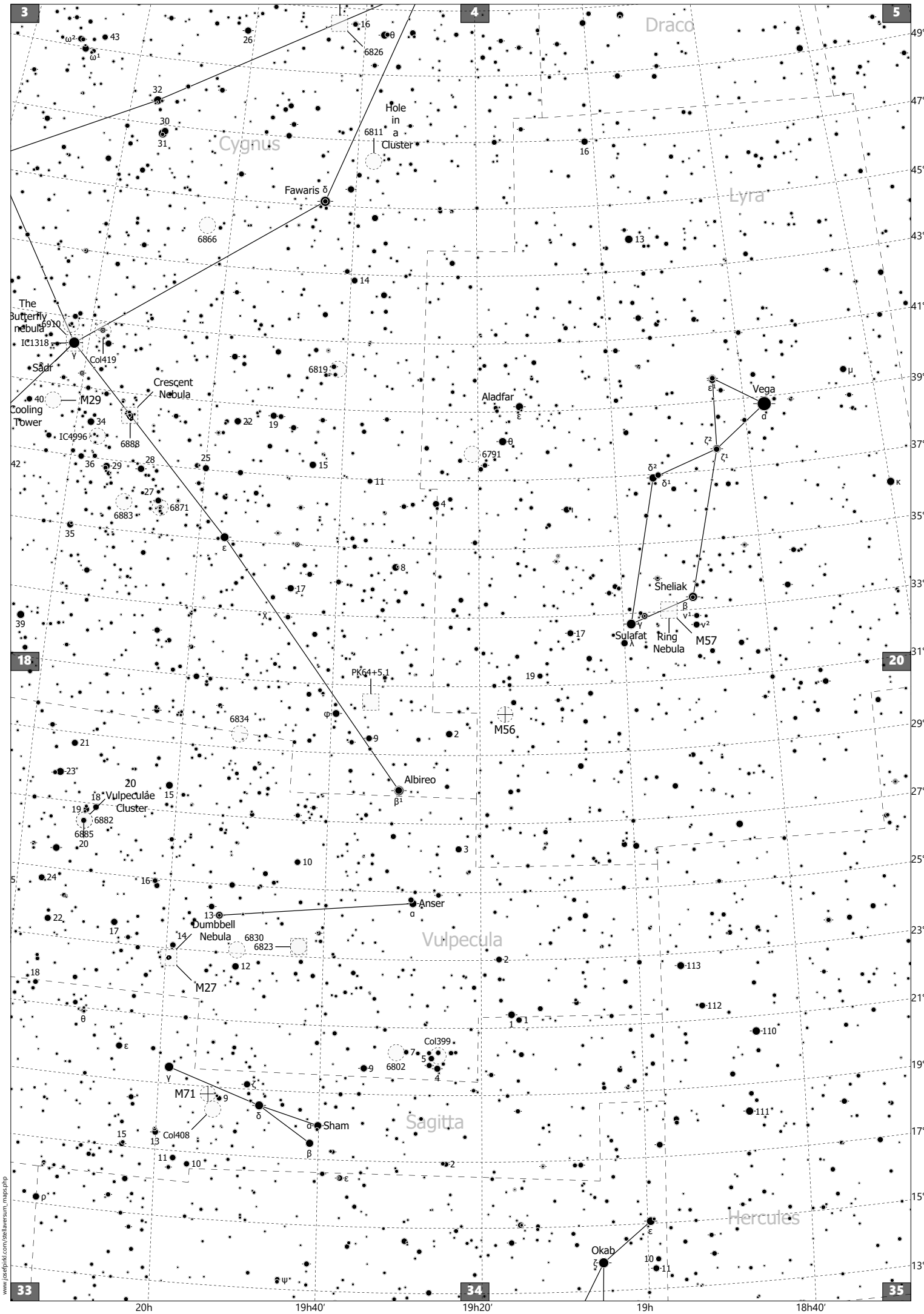

Chart 18
RA:19.70;22.35 DEC:49.50;14.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
2
3
4
17
19
32
33
34
Cocoon Nebula
IC5146
M39
7209
7067
7082
7062
IC1369
7031
North America Nebula
Col428
7039
6996
6997
Deneb
Pelican nebula
IC5068B
IC5068C
7027
6866
Cygnus
Col419
The Butterfly nebula
6910
IC1318
Sadr
Crescent Nebula
M29
Cooling Tower
6888
IC4996
6883
6871
7063
Gienah
6974
Pickering's Triangle
6995
Veil Nebula
IC1340
6979
6960
Cygnus Loop
6940
6885
6882
Vulpeculae Cluster
Vulpecula
Delphinus
Pegasus
Rotanev
21h40′
21h20′
21h
20h40′
20h20′
49°
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
13°
www.jsefpirkl.com/stellaversum_maps.php

Chart 19

RA:18.05;20.70 DEC:49.50;14.50 (J2000)
R3.1(20200508)



www.jsefpirkl.com/stellaversum_maps.php

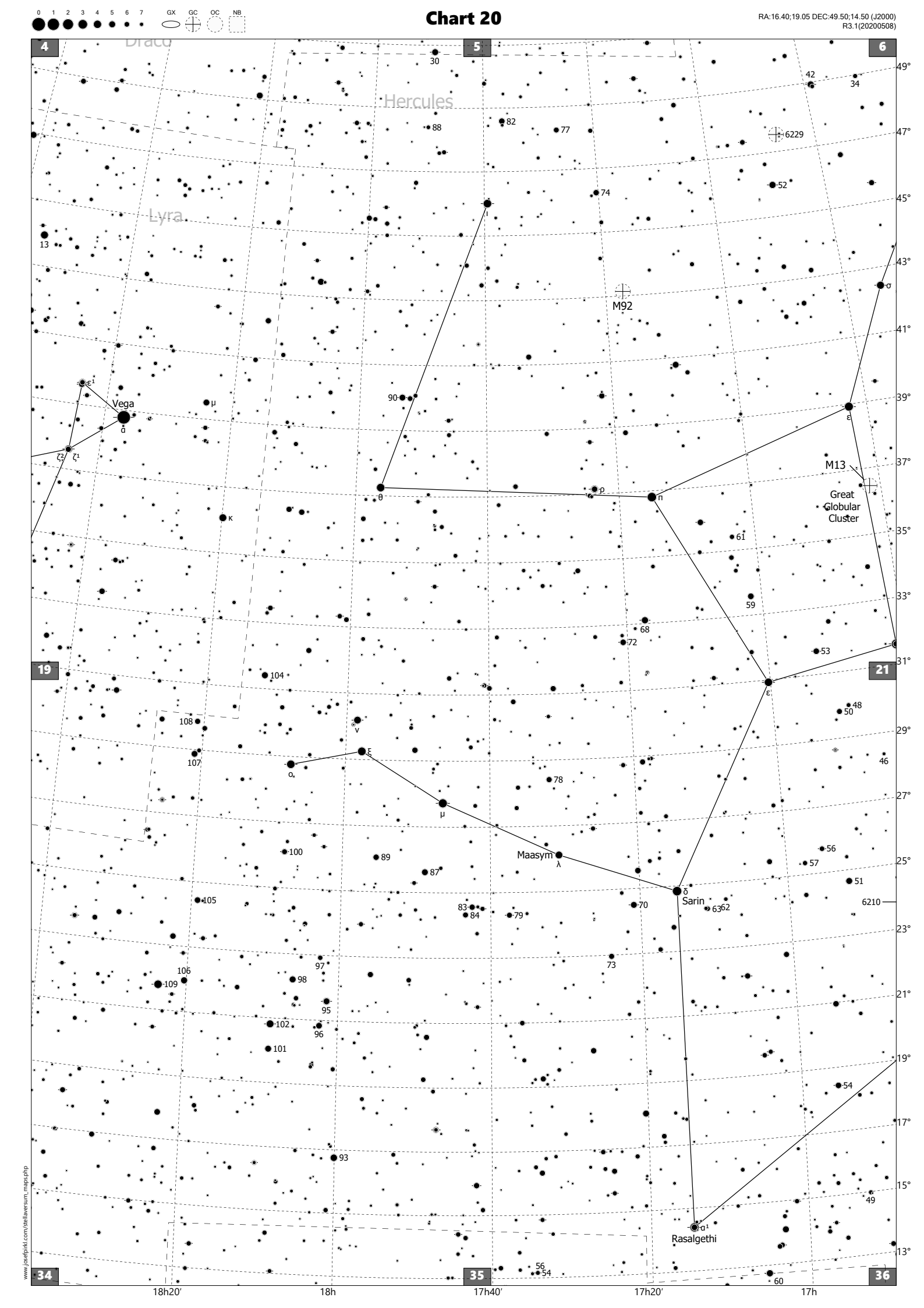
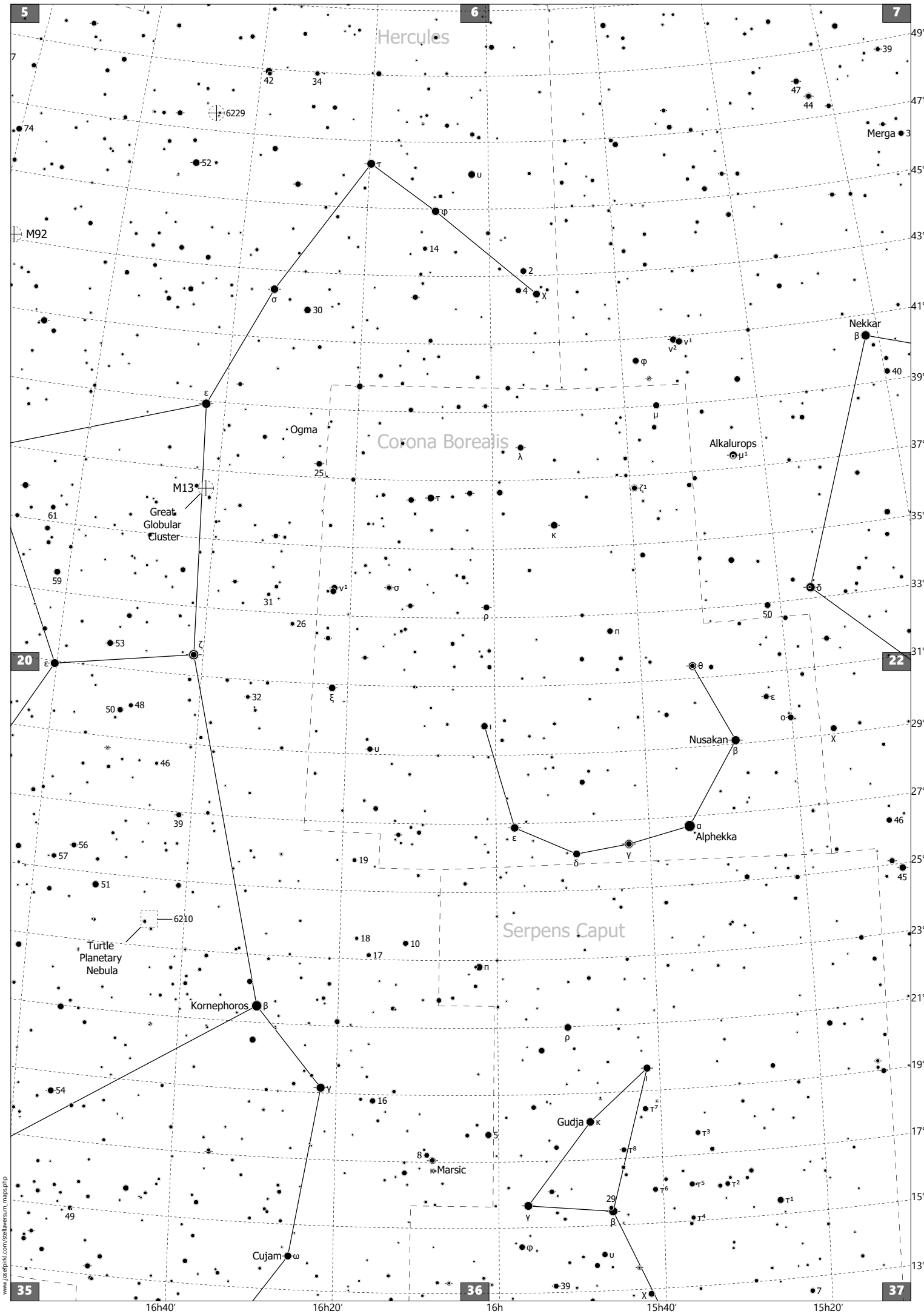
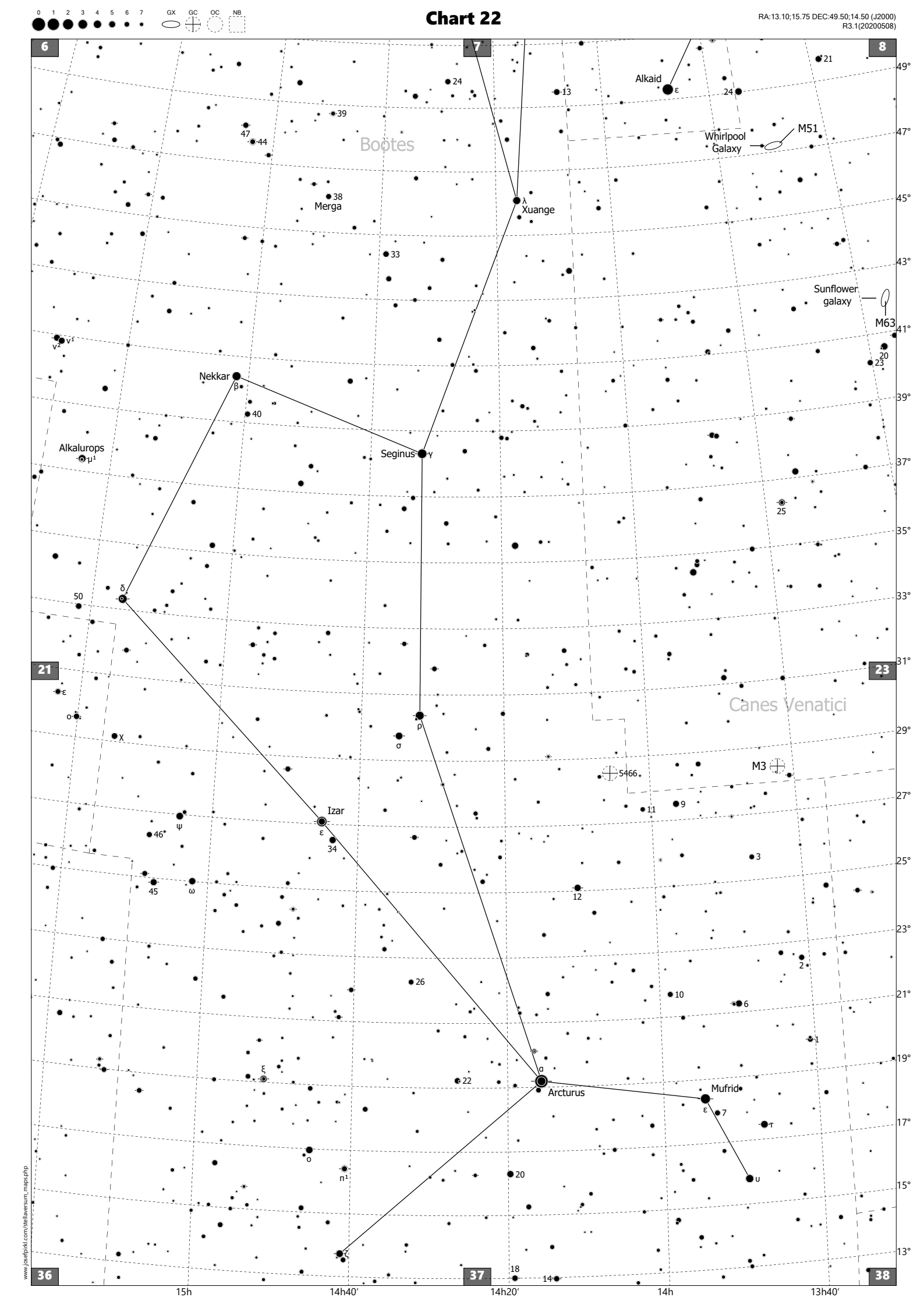
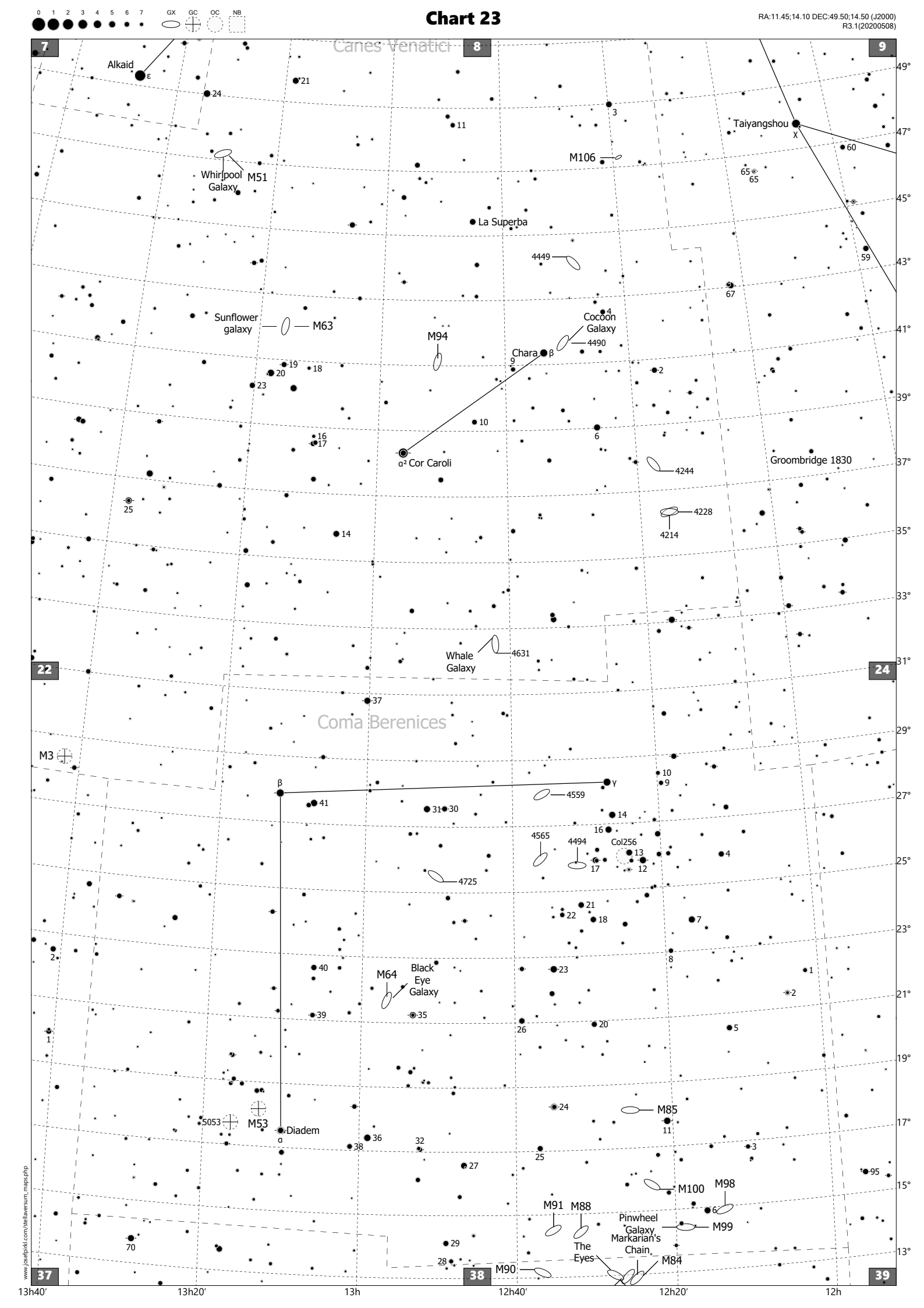

0 1 2 3 4 5 6 7
GX GC OC NB
Chart 20
RA:16.40;19.05 DEC:49.50;14.50 (J2000)
R3.1(20200508)
4
5
6
19
21
34
35
36
Draco
Hercules
Lyra
Vega
M92
M13
Great Globular Cluster
Maasym
Sarin
Rasalgethi
6229
6210
18h20′
18h
17h40′
17h20′
17h
49°
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
13°
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Chart 21

RA:14.75;17.40 DEC:49.50;14.50 (J2000)
R3.1(20200508)




Chart 22
RA:13.10;15.75 DEC:49.50;14.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
6
7
8
21
23
36
37
38
Bootes
Canes Venatici
Alkaid
Whirlpool Galaxy
M51
Sunflower galaxy
M63
Merga
Xuange
Nekkar
Seginus
Alkalurops
Izar
Arcturus
Mufrid
M3
5466
15h
14h40′
14h20′
14h
13h40′
49°
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
13°
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Chart 23
RA:11.45;14.10 DEC:49.50;14.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7 GX GC OC NB
7
8
9
22
24
37
38
39
Canes Venatici
Coma Berenices
Alkaid
ε
Whirlpool Galaxy
M51
M106
Taiyangshou
χ
La Superba
Sunflower galaxy
M63
M94
Cocoon Galaxy
4490
Chara
β
α² Cor Caroli
Groombridge 1830
4244
4228
4214
Whale Galaxy
4631
M3
β
γ
4559
4565
4494
Col256
4725
M64
Black Eye Galaxy
5053
M53
Diadem
α
M85
M100
M98
M91
M88
Pinwheel Galaxy
M99
Markarian's Chain
The Eyes
M84
M90
49°
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
13°
13h40′
13h20′
13h
12h40′
12h20′
12h
www.jsefpirkl.com/stellaversum_maps.php

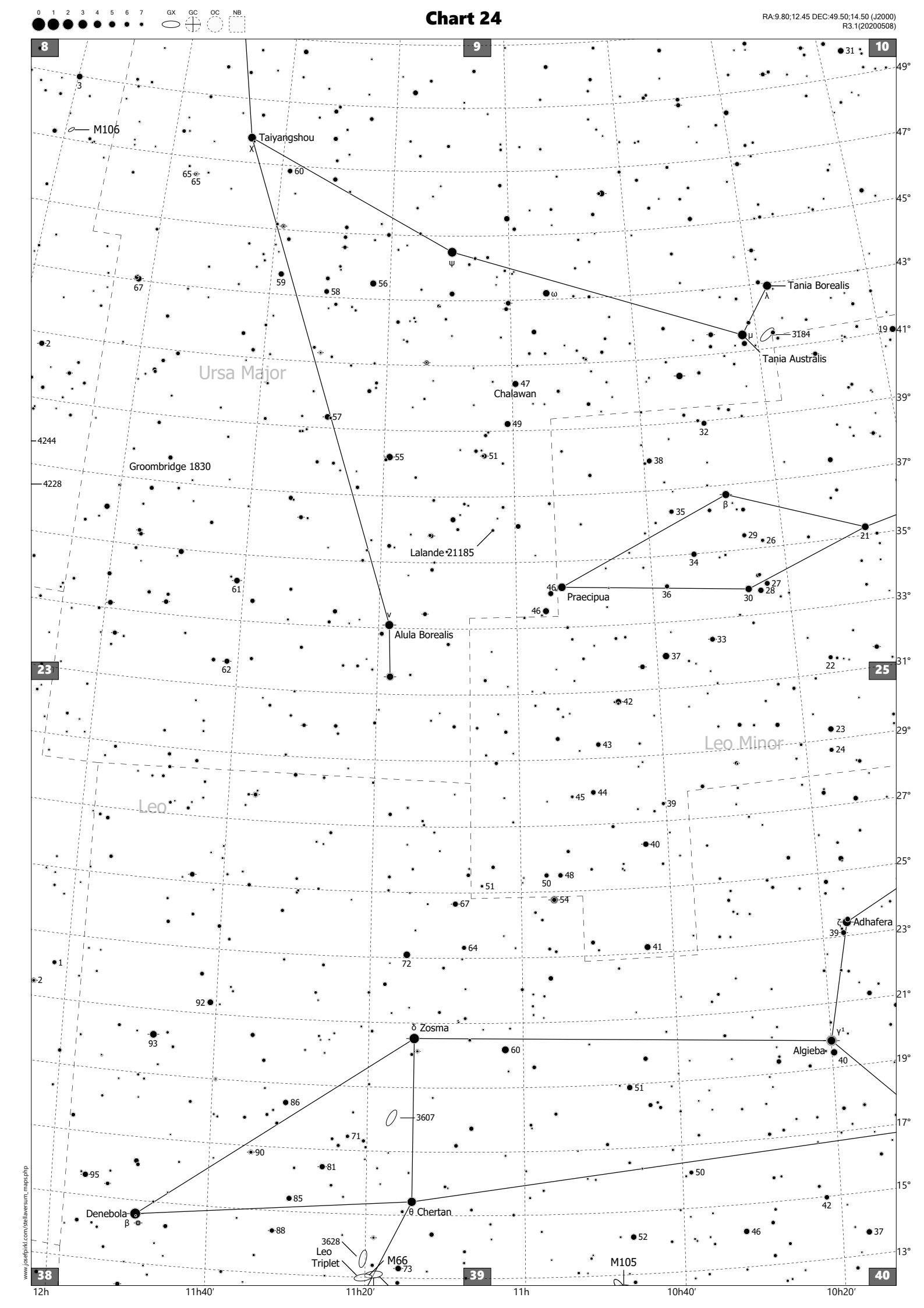
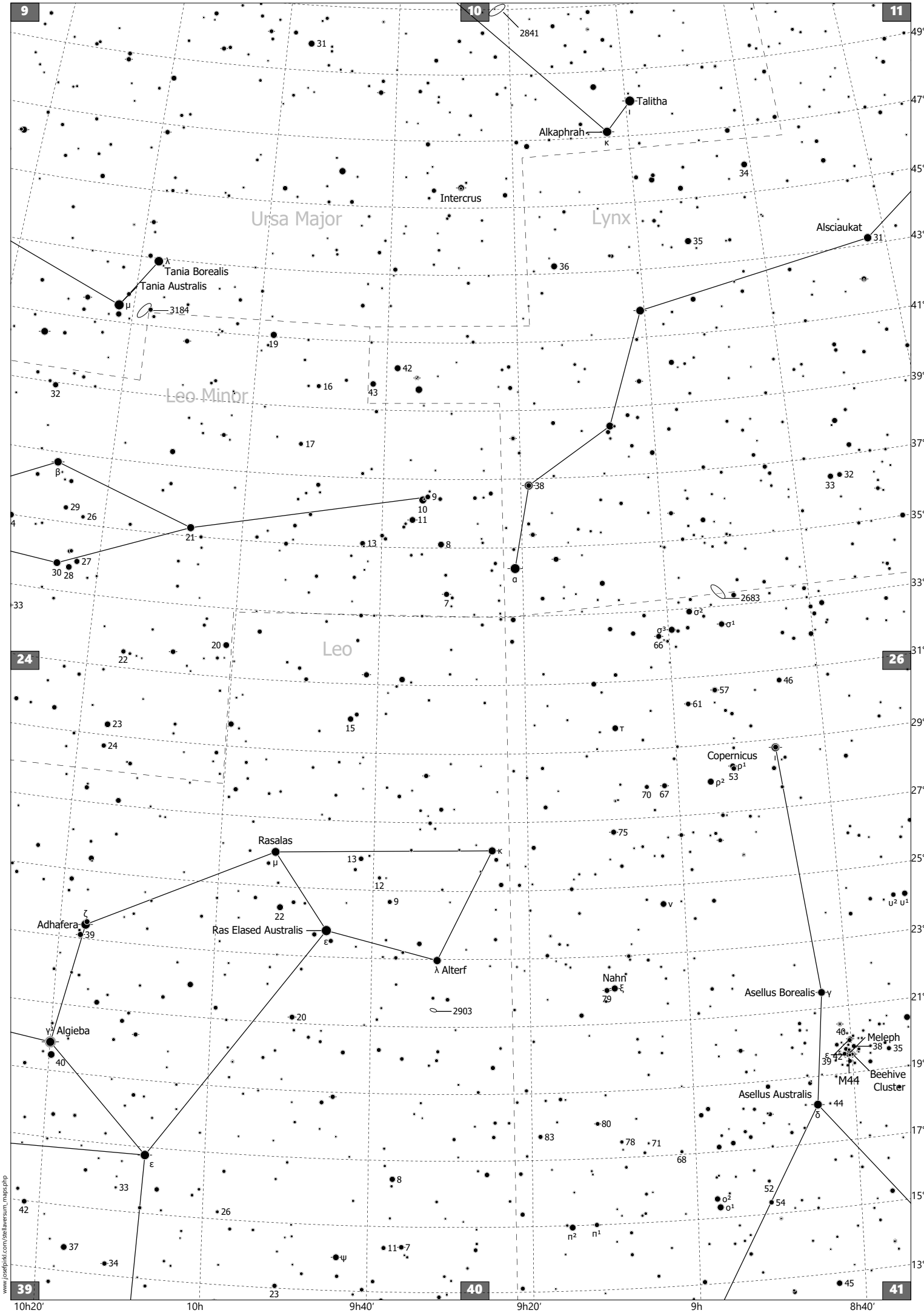

Chart 24
RA:9.80;12.45 DEC:49.50;14.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
8
9
10
23
25
38
39
40
M106
Taiyangshou
χ
ψ
ω
Tania Borealis
λ
μ
3184
Tania Australis
Ursa Major
Chalawan
47
Groombridge 1830
4244
4228
Lalande 21185
β
Praecipua
Alula Borealis
ν
Leo Minor
Leo
δ Zosma
θ Chertan
Denebola
β
γ¹
Algieba
ζ
Adhafera
3607
3628
Leo Triplet
M66
M105
12h
11h40′
11h20′
11h
10h40′
10h20′
49°
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
13°
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Chart 25

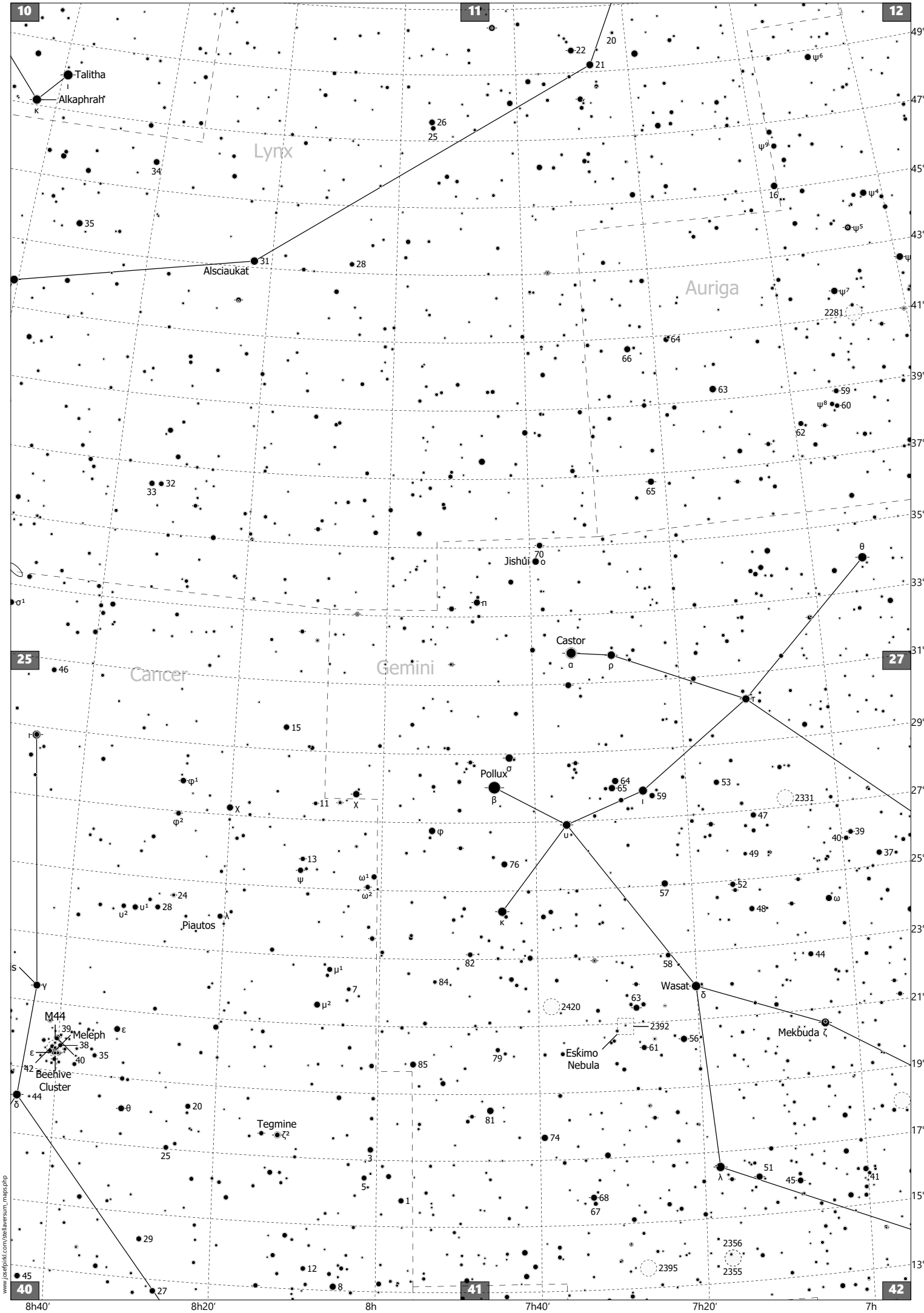
RA:8.15;10.80 DEC:49.50;14.50 (J2000)
R3.1(20200508)



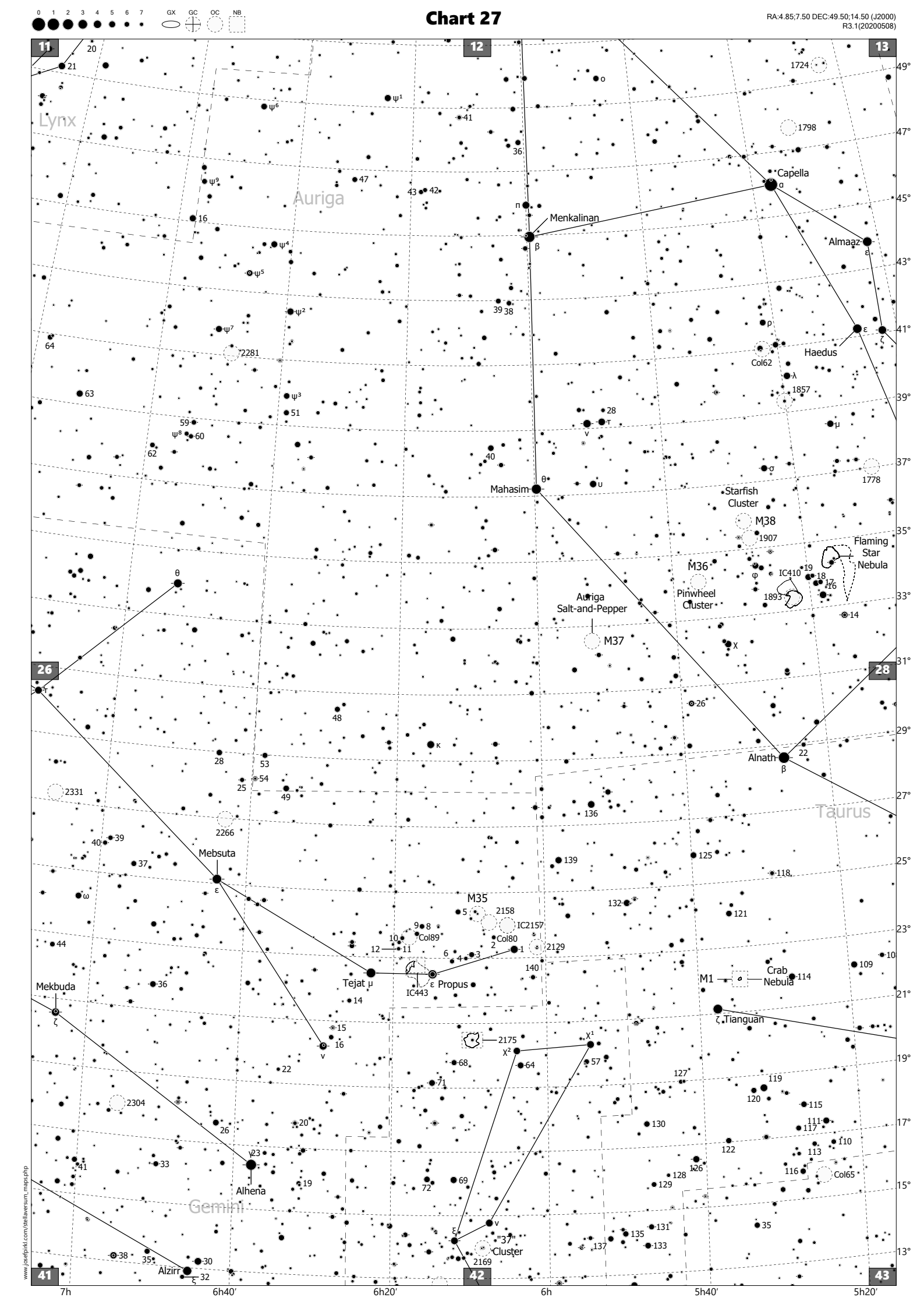
www.josefpirkl.com/stellaversum_maps.php

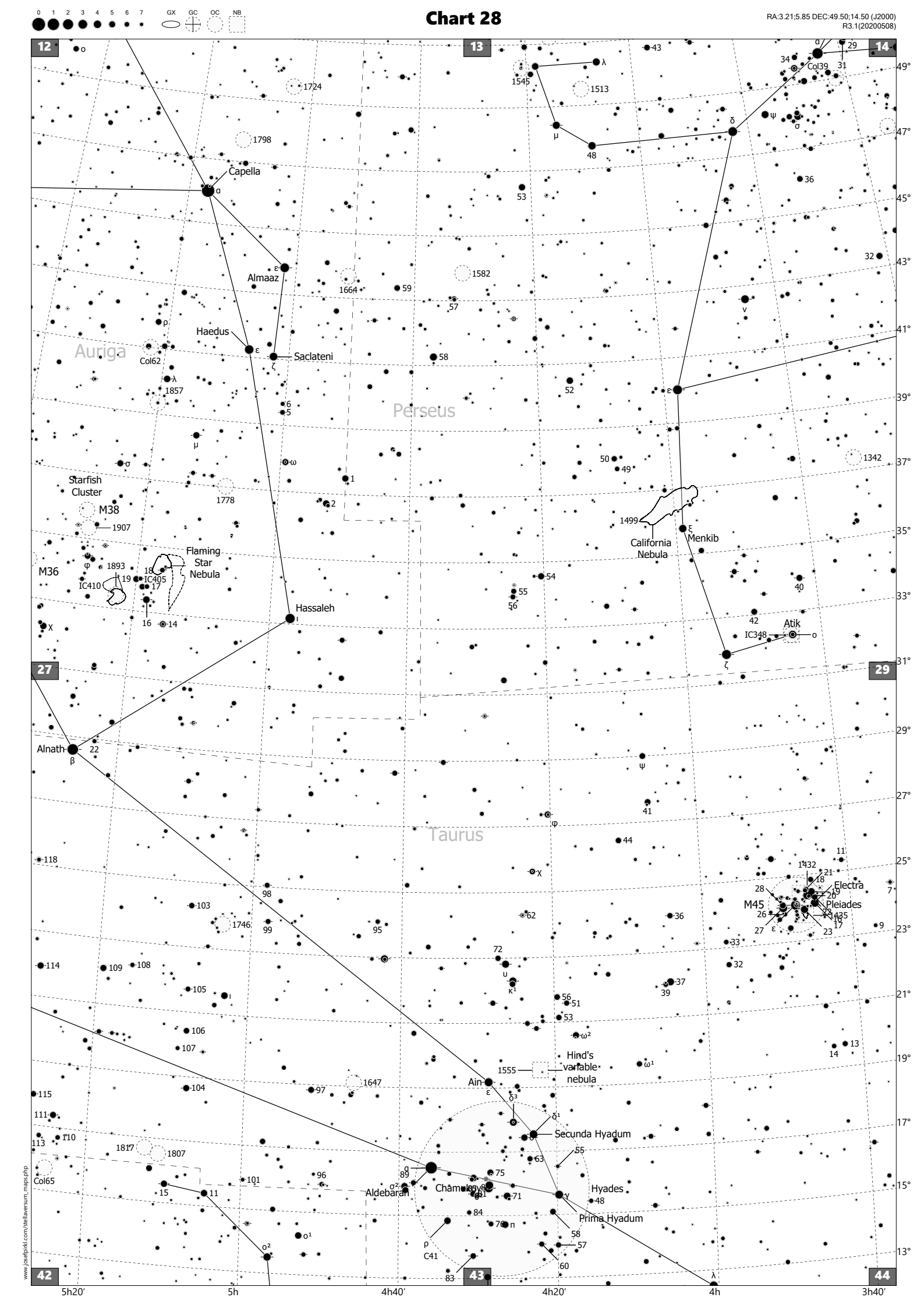
Chart 26

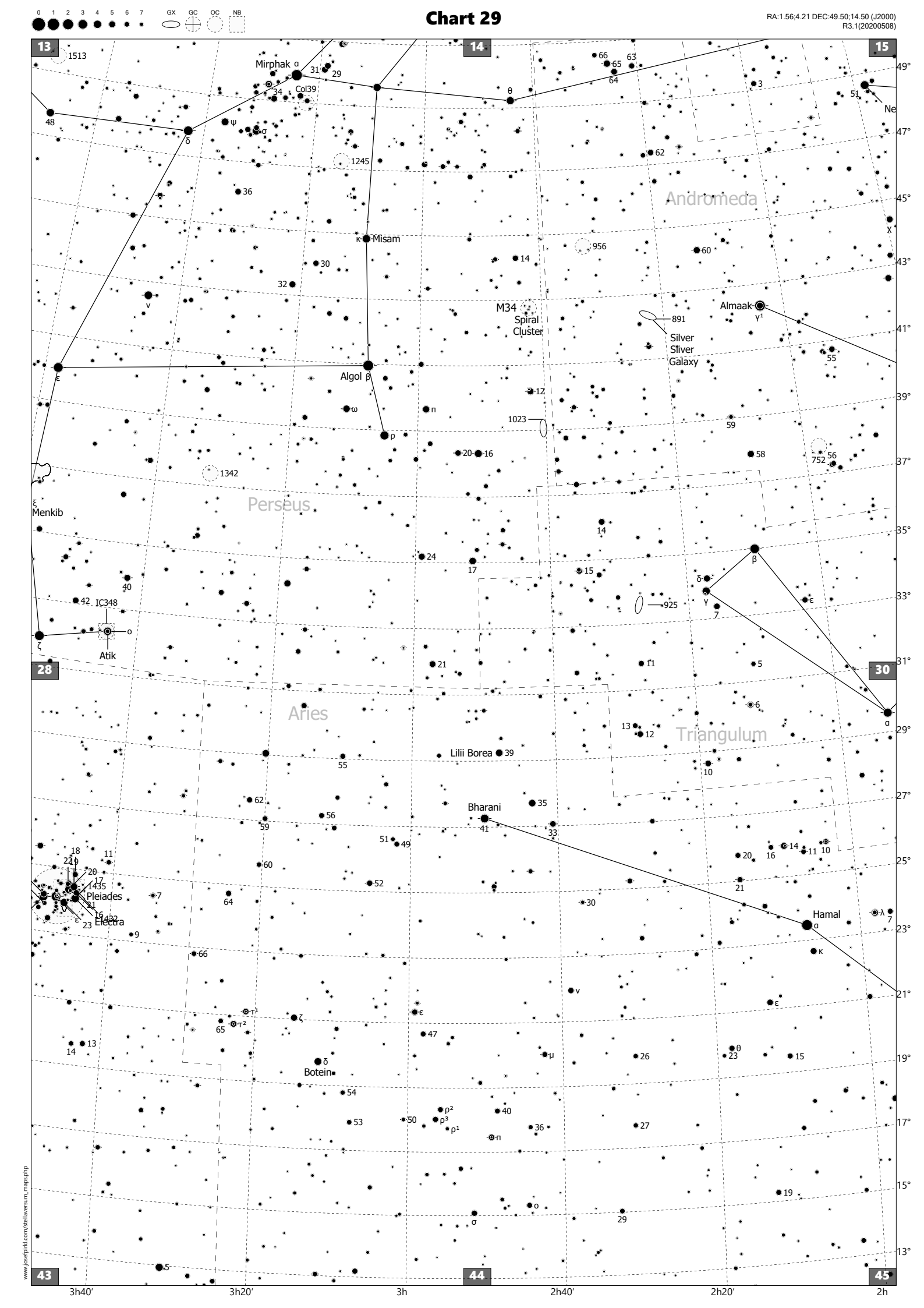
RA:6.50;9.15 DEC:49.50;14.50 (J2000)
R3.1(20200508)

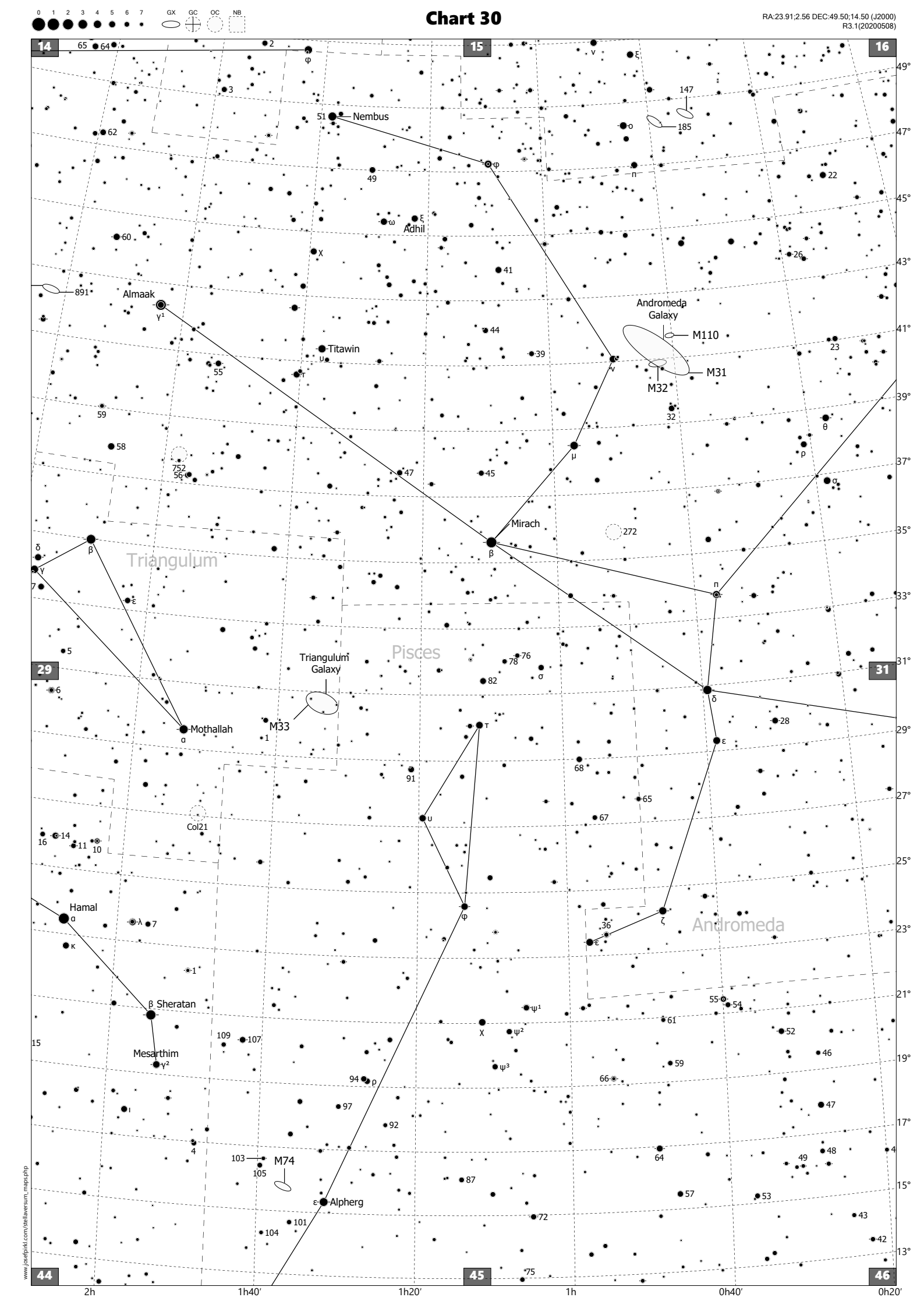


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Chart 27
RA:4.85;7.50 DEC:49.50;14.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
11
12
13
26
28
41
42
43
Lynx
Auriga
Gemini
Taurus
Capella
Menkalinan
Almaaz
Haedus
Mahasim
Starfish Cluster
M38
Flaming Star Nebula
M36
Pinwheel Cluster
IC410
Auriga Salt-and-Pepper
M37
Alnath
Mebsuta
Tejat μ
Propus
IC443
M35
IC2157
Col89
Col80
2129
2158
2175
Mekbuda
Alhena
Alzirr
"37" Cluster
2169
M1
Crab Nebula
Tianguan
Col62
Col65
1724
1798
1857
1778
1907
1893
2281
2304
2331
2266
49°
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
13°
7h
6h40′
6h20′
6h
5h40′
5h20′
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Chart 28
RA:3.21;5.85 DEC:49.50;14.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
12
13
14
27
29
42
43
44
Capella
Almaaz
Haedus
Saclateni
Auriga
Perseus
Taurus
Starfish Cluster
M38
M36
IC410
IC405
Flaming Star Nebula
Hassaleh
California Nebula
Menkib
Atik
IC348
Alnath
Electra
M45
Pleiades
Hind's variable nebula
Ain
Secunda Hyadum
Aldebaran
Hyades
Prima Hyadum
Col65
Col62
Col39
C41
1724
1798
1664
1582
1545
1513
1857
1778
1907
1893
1499
1342
1746
1647
1555
1817
1807
1432
1435
5h20′
5h
4h40′
4h20′
4h
3h40′
49°
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
13°
www.jsefpirkl.com/stellaversum_maps.php


Chart 29
RA:1.56;4.21 DEC:49.50;14.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
13
14
15
28
30
43
44
45
Mirphak α
Col39
Misam κ
Algol β
M34
Spiral
Cluster
Almaak γ¹
Silver
Sliver
Galaxy
Andromeda
Perseus
Menkib ξ
IC348
Atik ζ
Aries
Triangulum
Lilii Borea
Bharani
Pleiades
Electra
Hamal α
Botein δ
3h40′
3h20′
3h
2h40′
2h20′
2h
49°
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
13°


Chart 30
RA:23.91;2.56 DEC:49.50;14.50 (J2000)
R3.1(20200508)
0 1 2 3 4 5 6 7
GX GC OC NB
14
15
16
29
31
44
45
46
Nembus
Adhil
Almaak
Titawin
Andromeda Galaxy
M110
M31
M32
Mirach
Triangulum
Triangulum Galaxy
M33
Mothallah
Pisces
Hamal
β Sheratan
Mesarthim
Alpherg
M74
Andromeda
Col21
49°
47°
45°
43°
41°
39°
37°
35°
33°
31°
29°
27°
25°
23°
21°
19°
17°
15°
13°
2h
1h40'
1h20'
1h
0h40'
0h20'
www.jsefpirkl.com/stellaversum_maps.php