

PI StarsMaps

Release R2 - February 21, 2020.

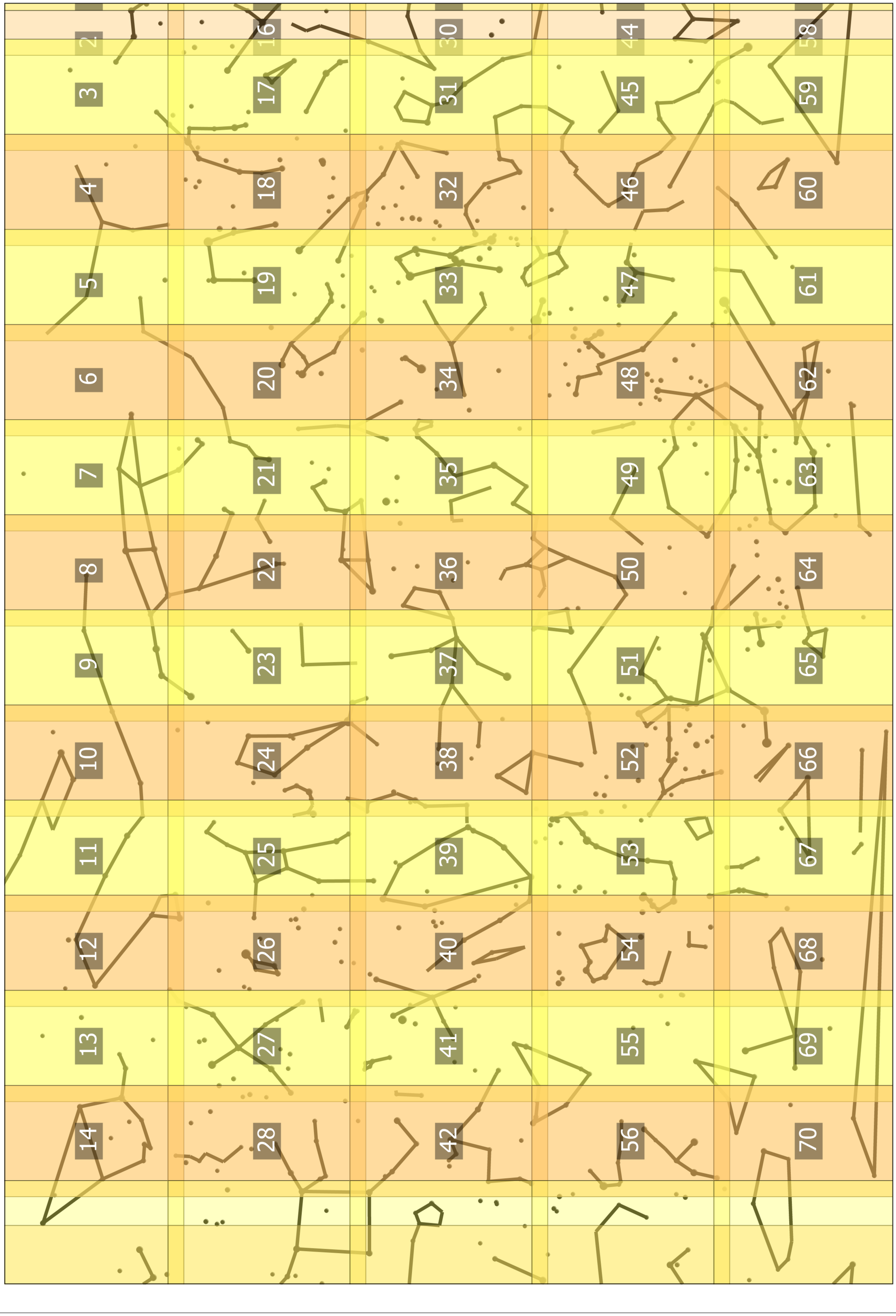
C) Josef Pirkl 2019-2020 (pirkljosef@gmail.com)

www.josefpirkl.com/pi_starsmaps.php

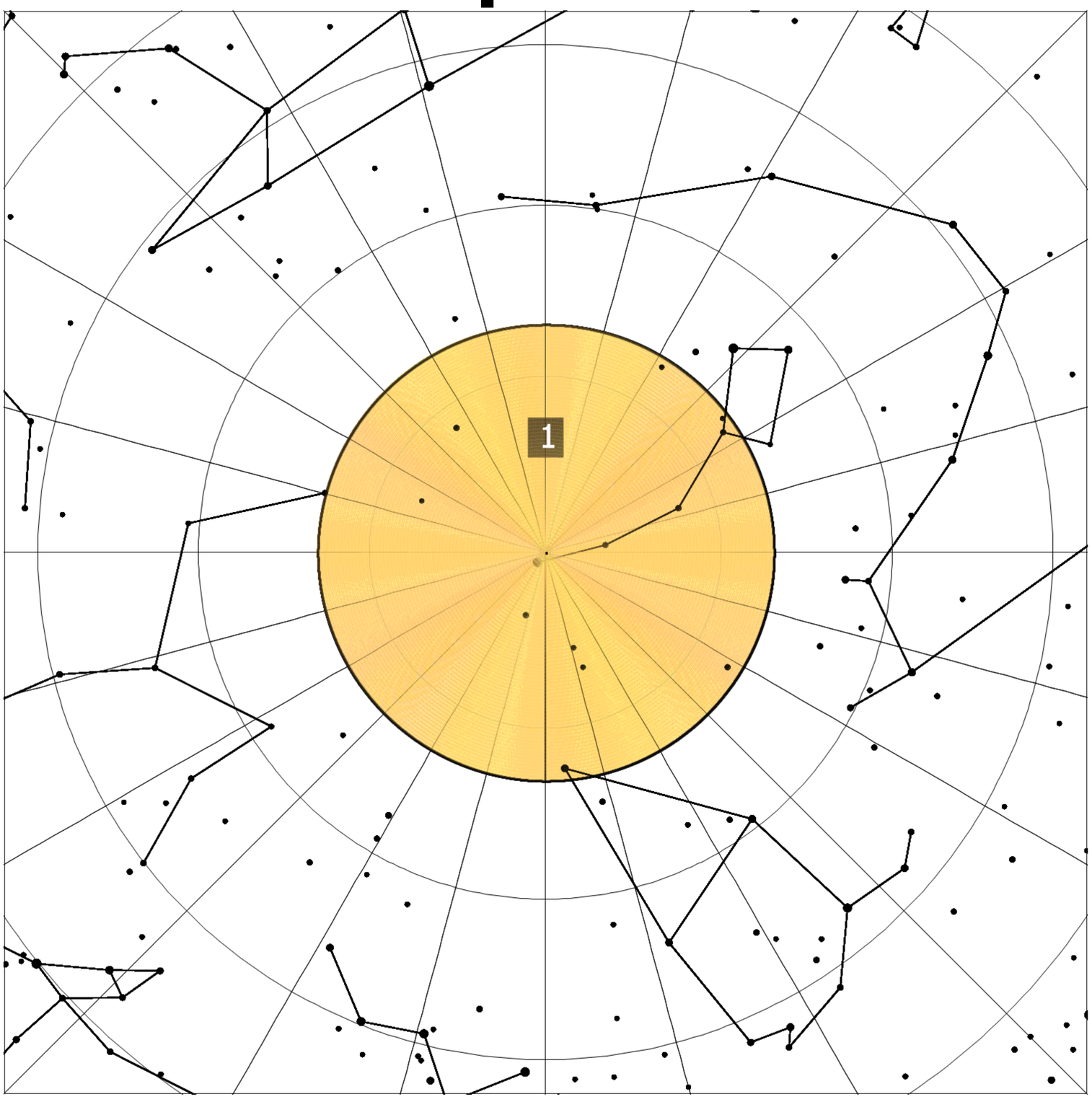
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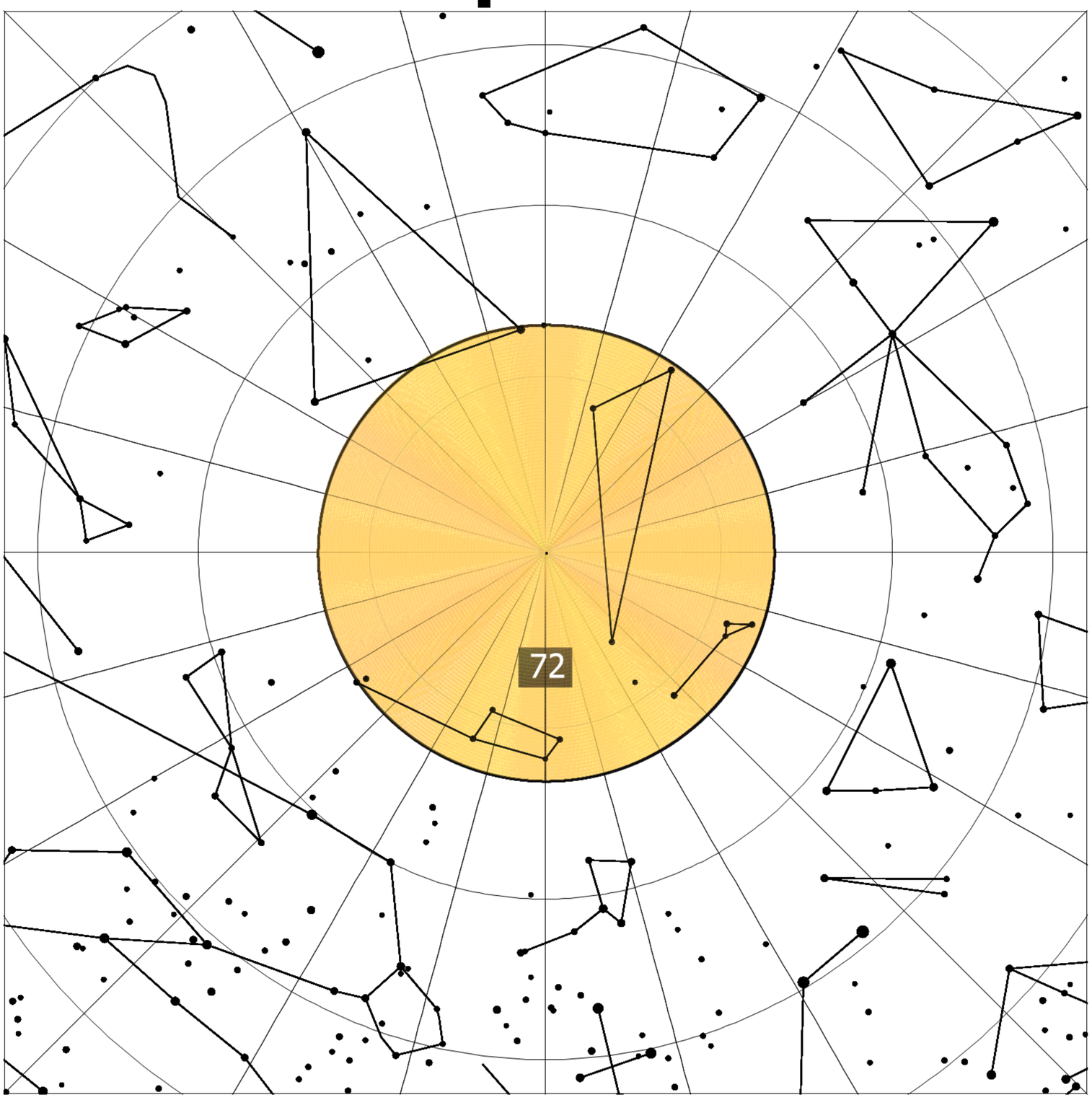
OVERVIEW MAP - OVERALL



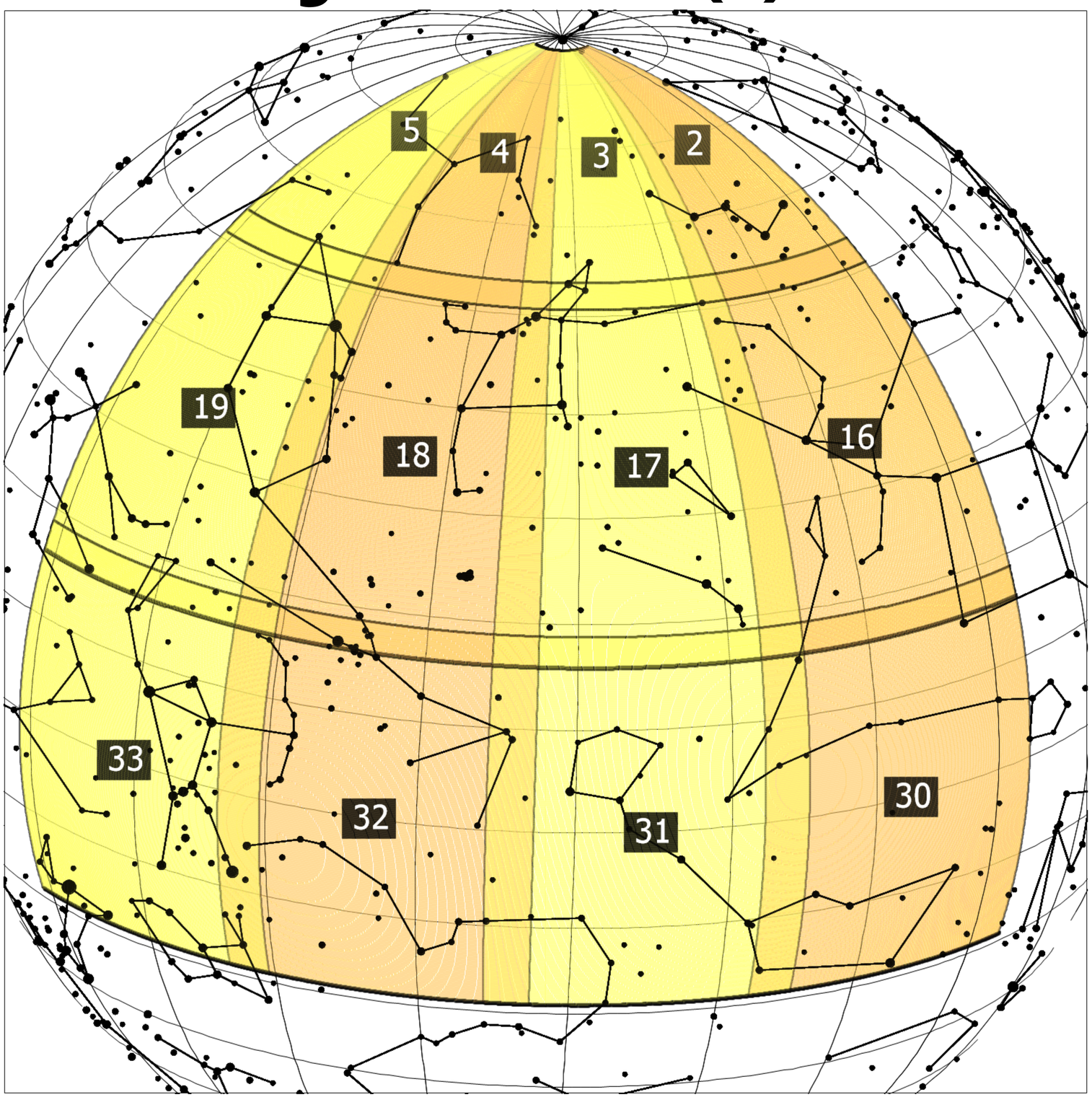
Northern Hemisphere



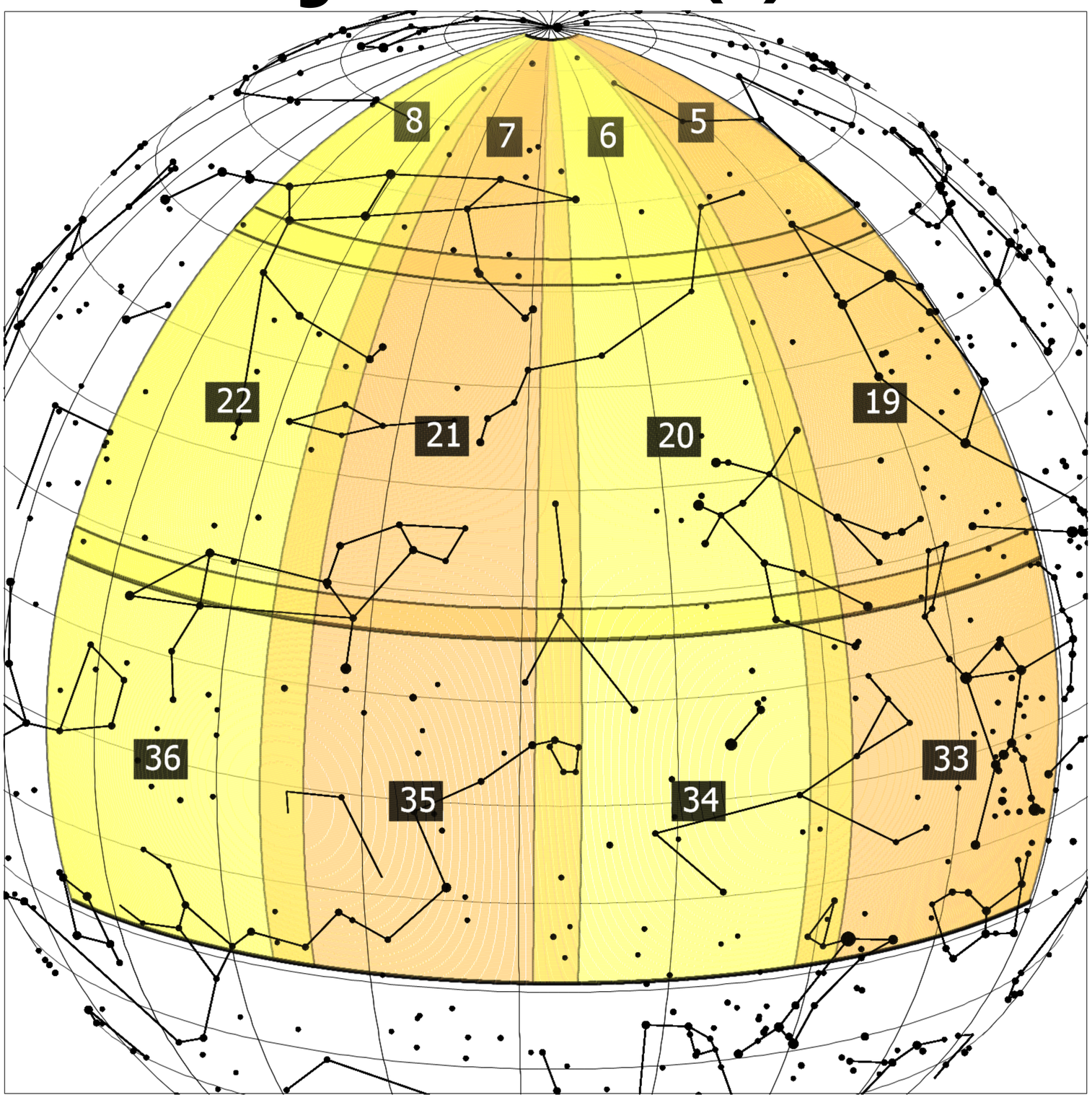
Southern Hemisphere



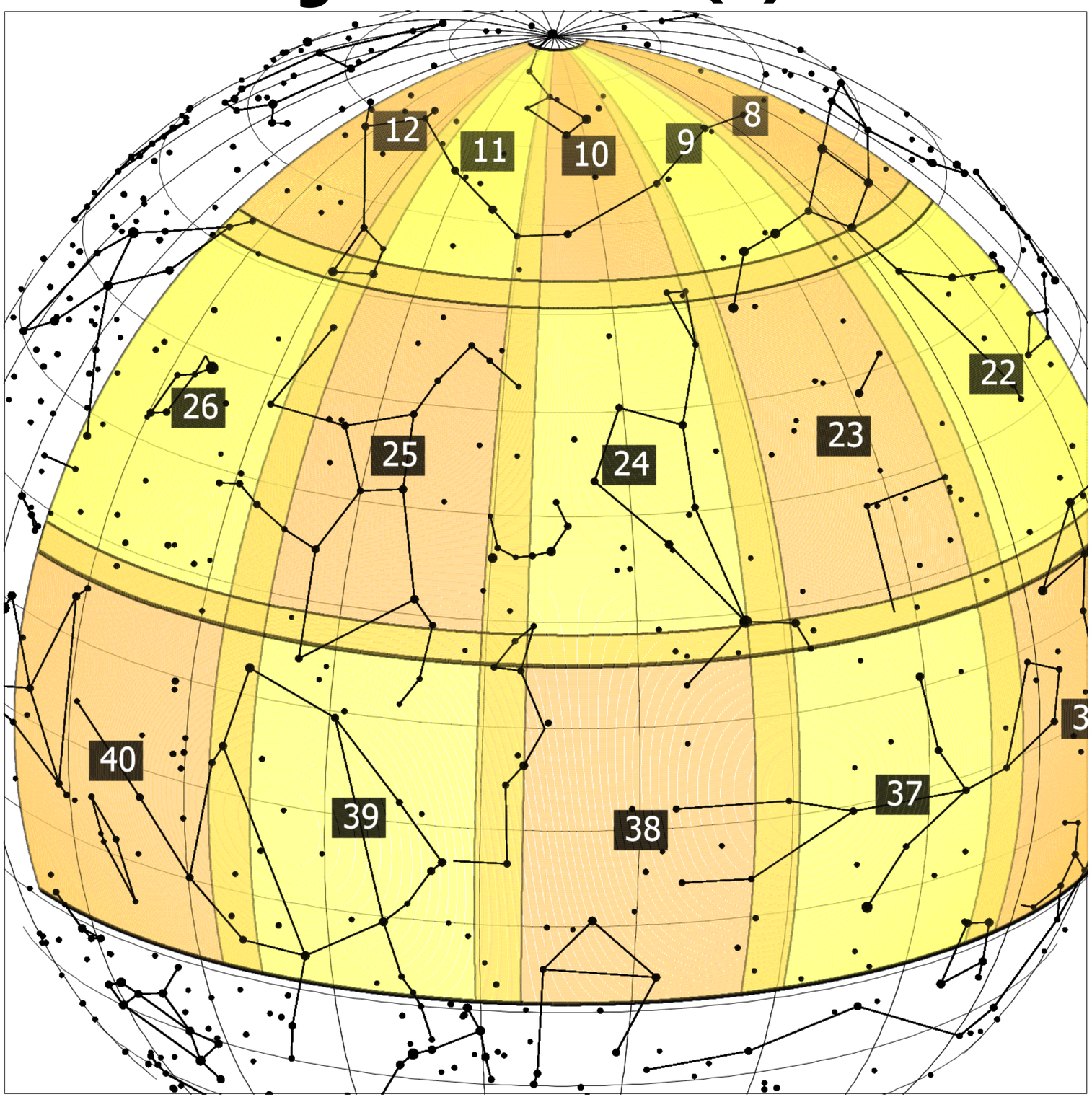
North - Right ascension(α) 1 to 6



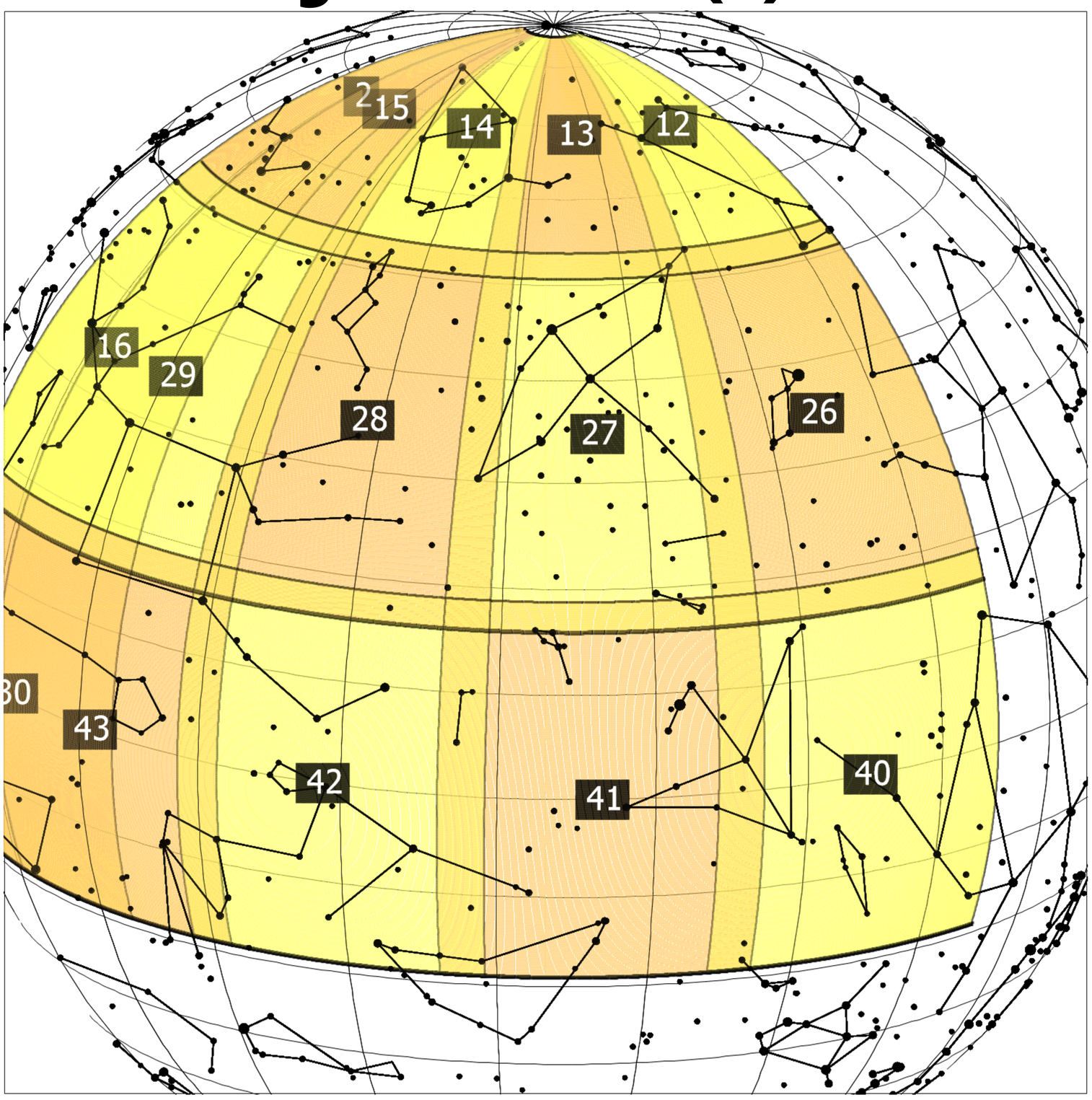
North - Right ascension(α) 6 to 12



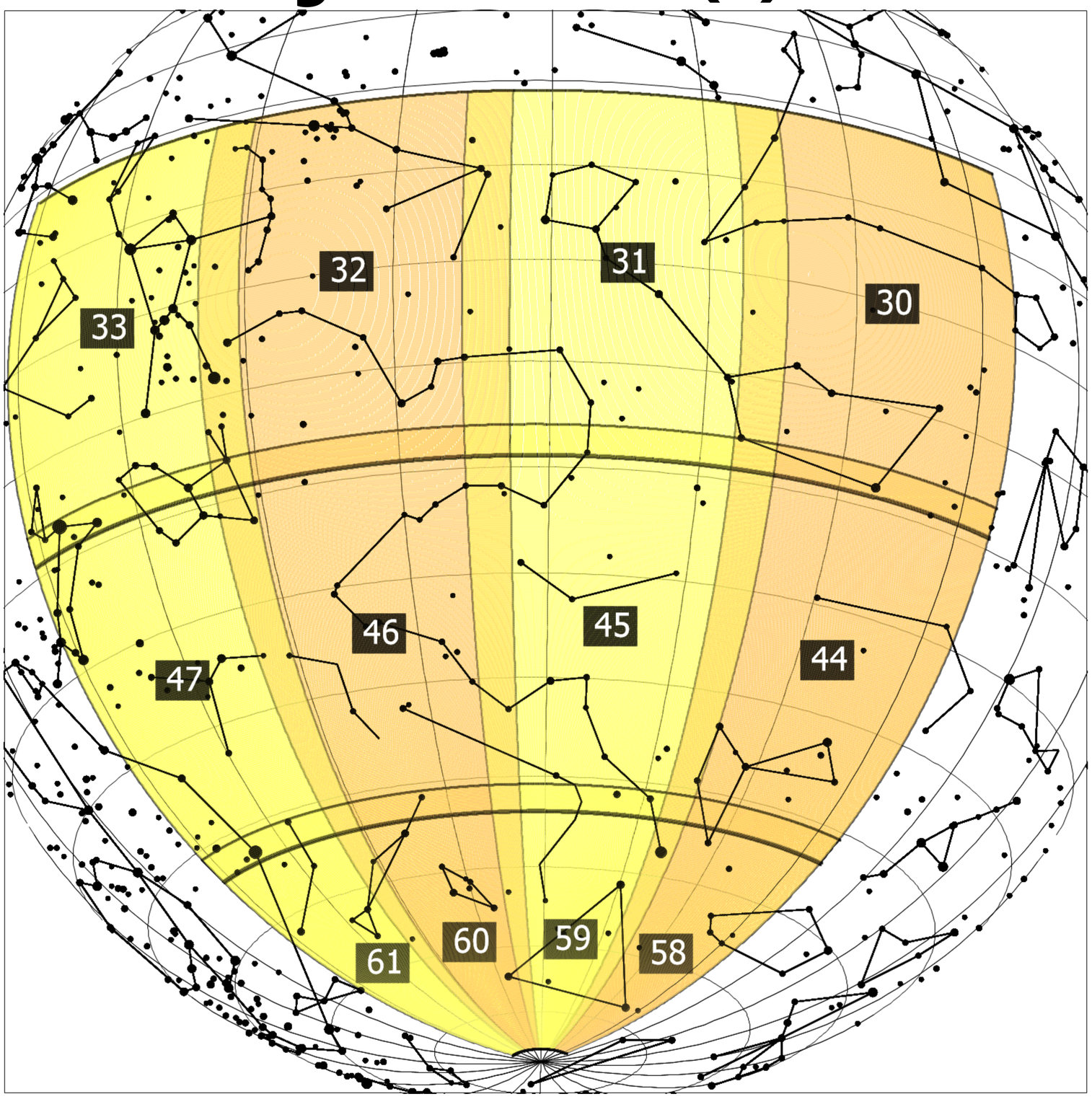
North - Right ascension(α) 12 to 18



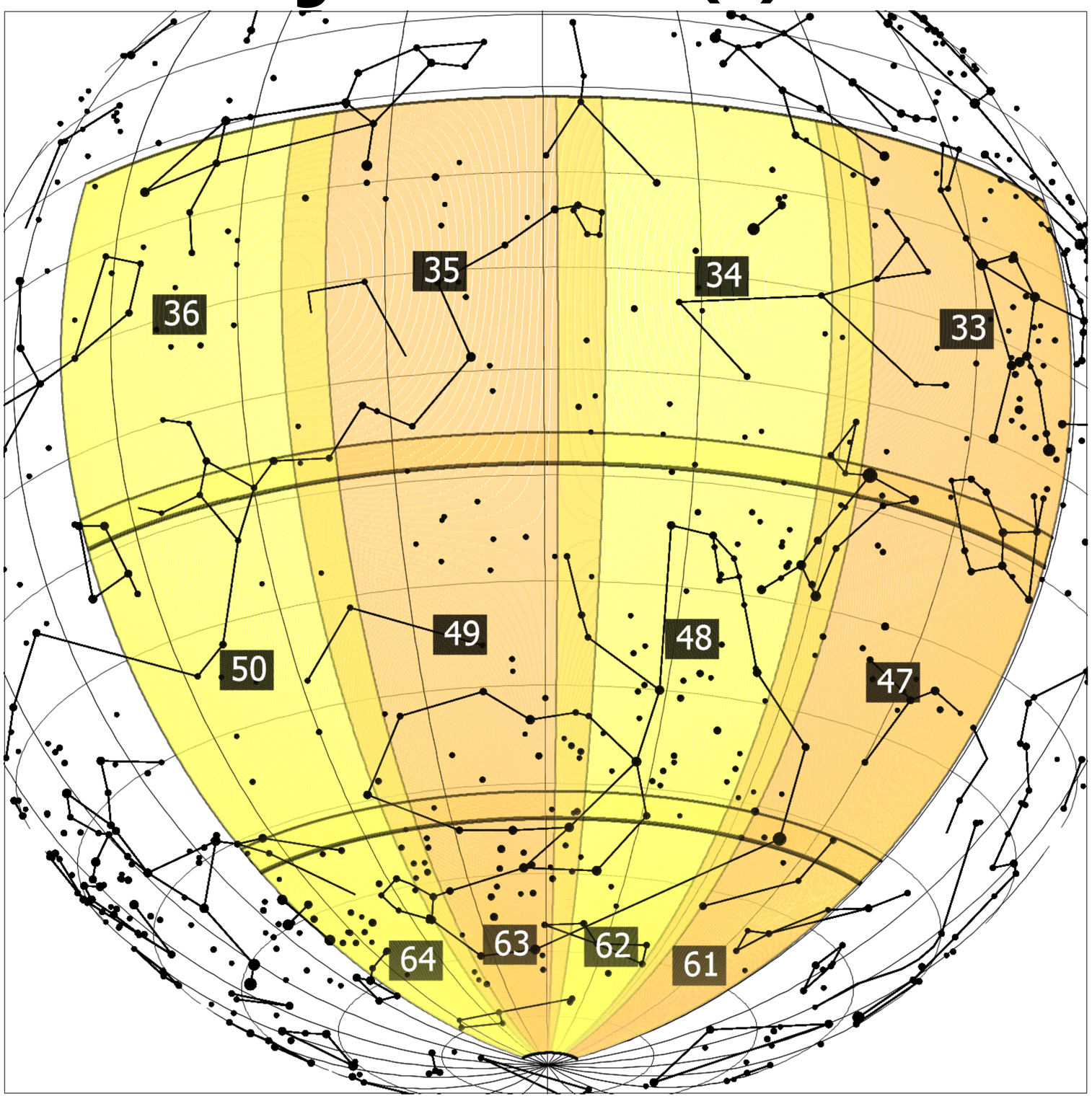
North - Right ascension(α) 18 to 24



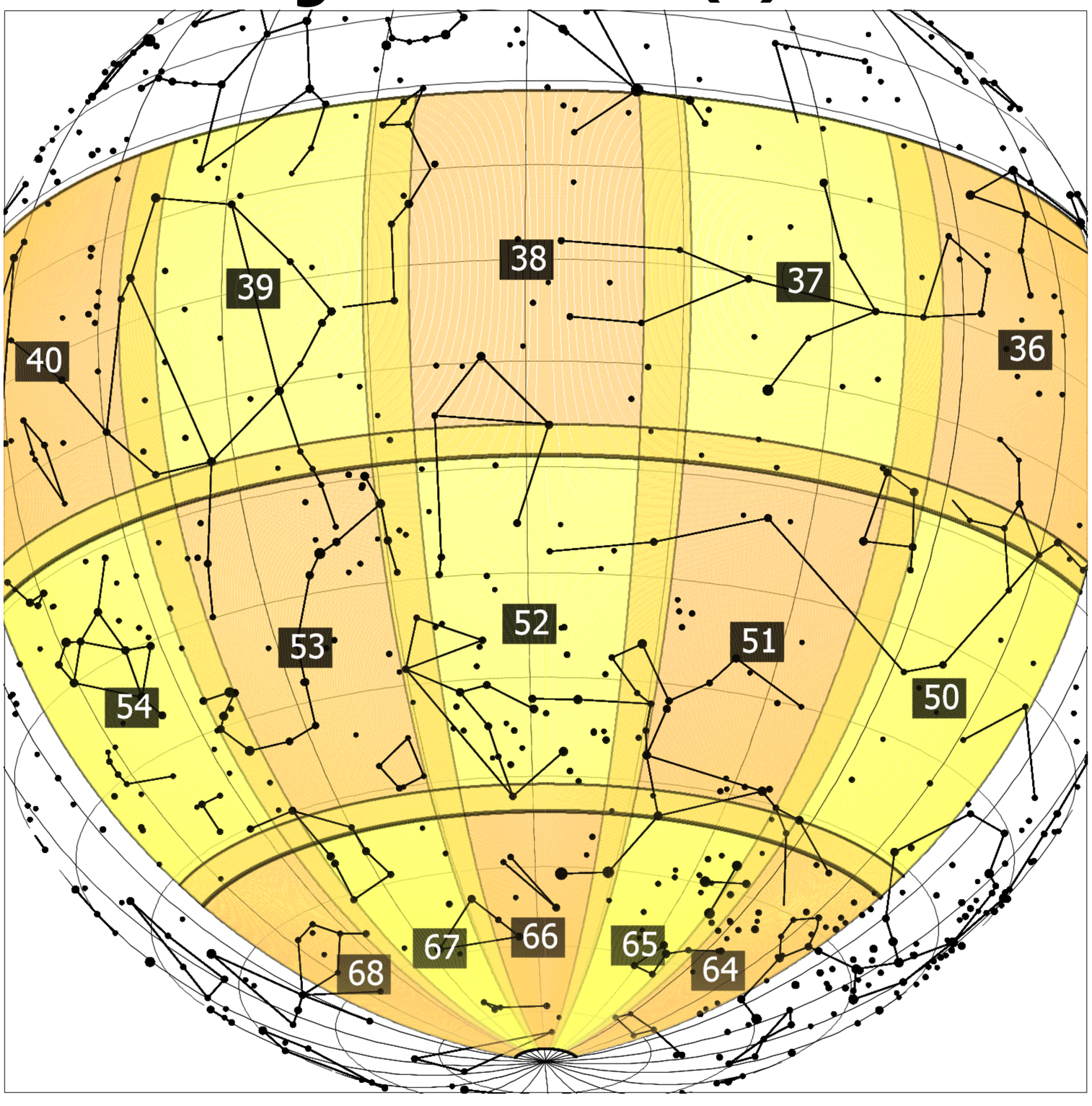
South - Right ascension(α) 1 to 6



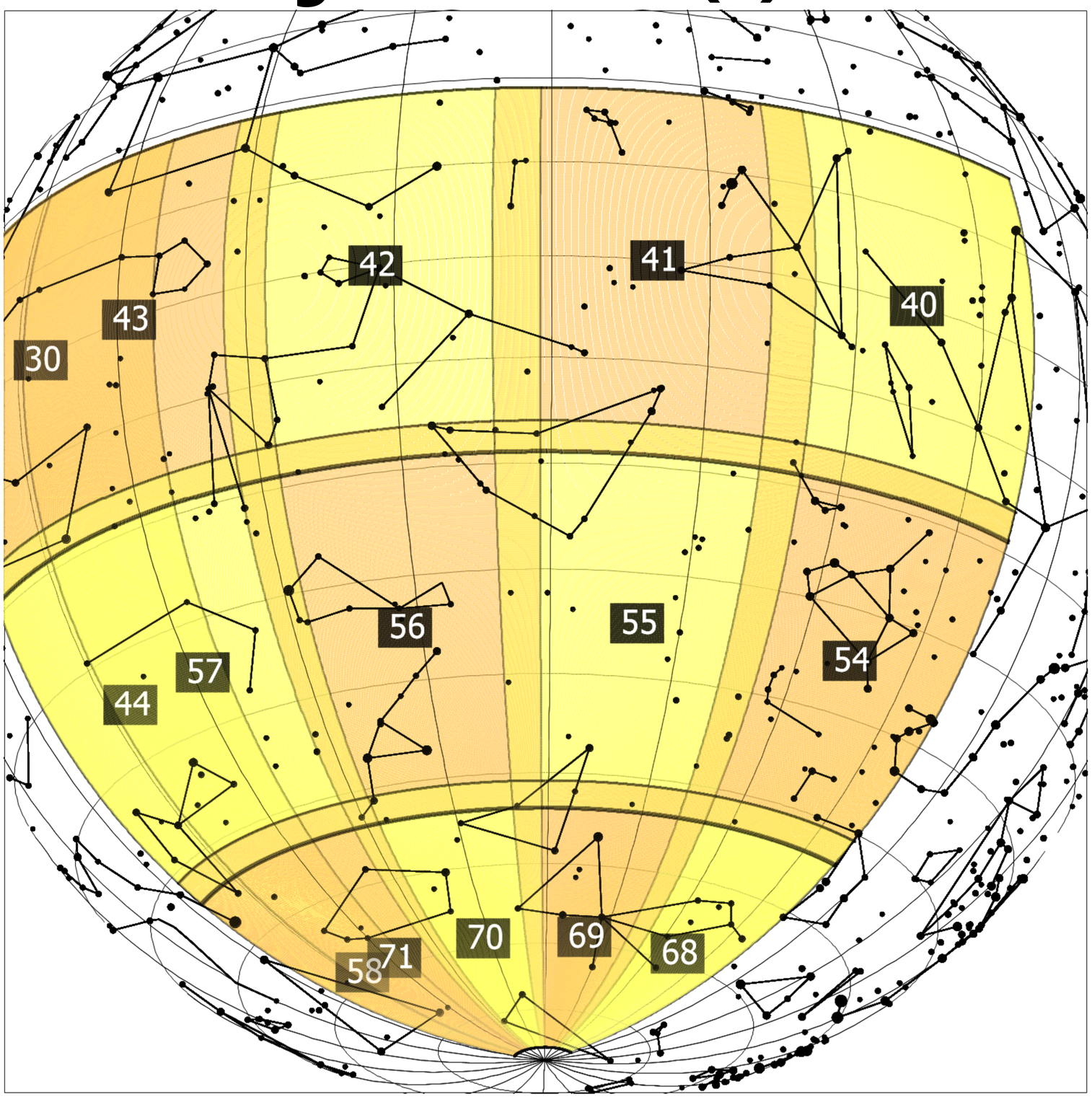
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South - Right ascension(α) 18 to 24



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0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 1

RA:0.00;24.00 DEC:90.00;77.00 82°

21h 3h 20h 4h 19h 5h 18h 6h 17h 7h 16h 8h 15h 9h 14h 13h 12h 11h 10h

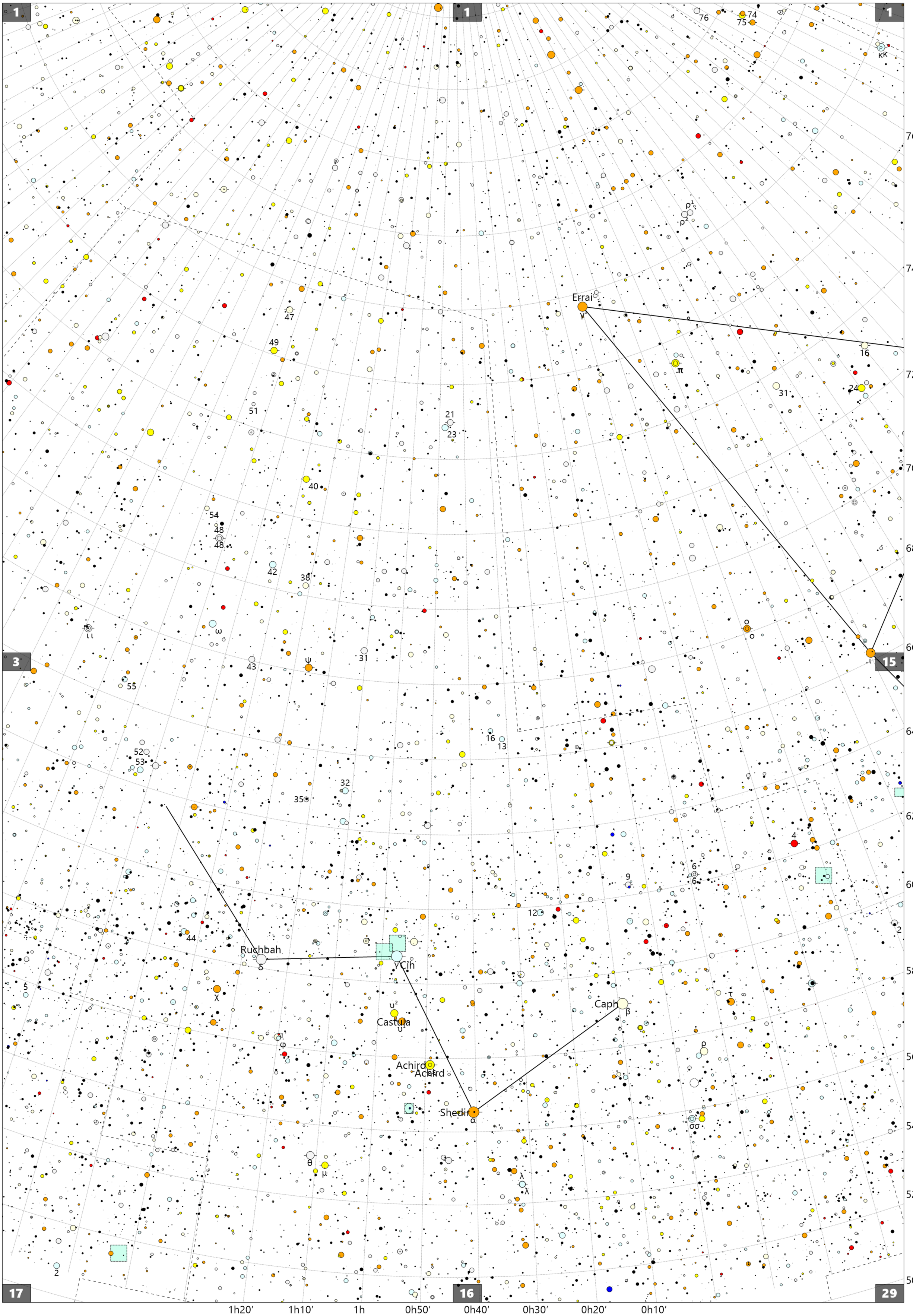
Polaris
α
λ
Yildun
δ
24

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0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 2

RA:23.70;1.78 DEC:87.00;50.70

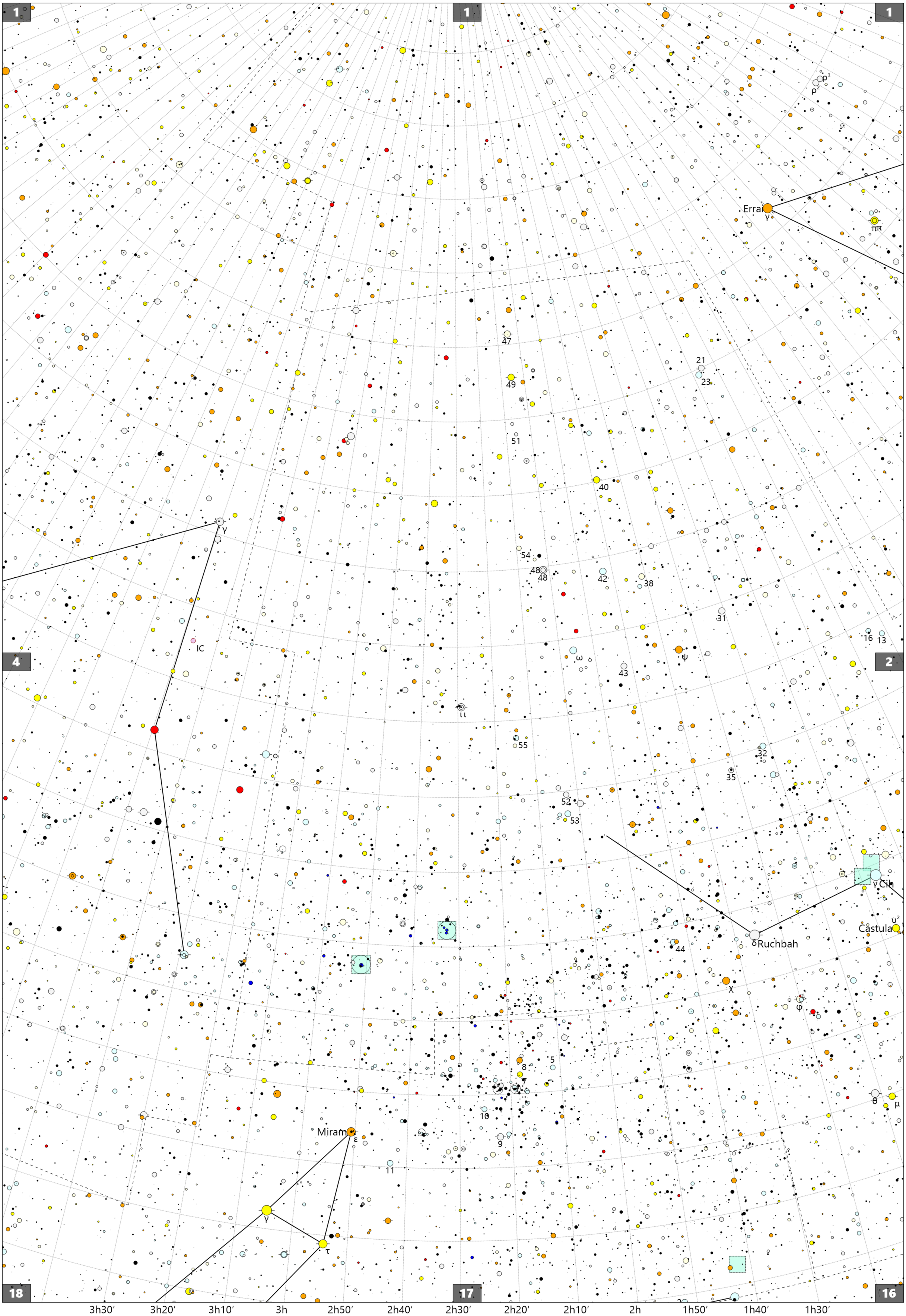


www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 3

RA:1.48;3.56 DEC:87.00;50.70

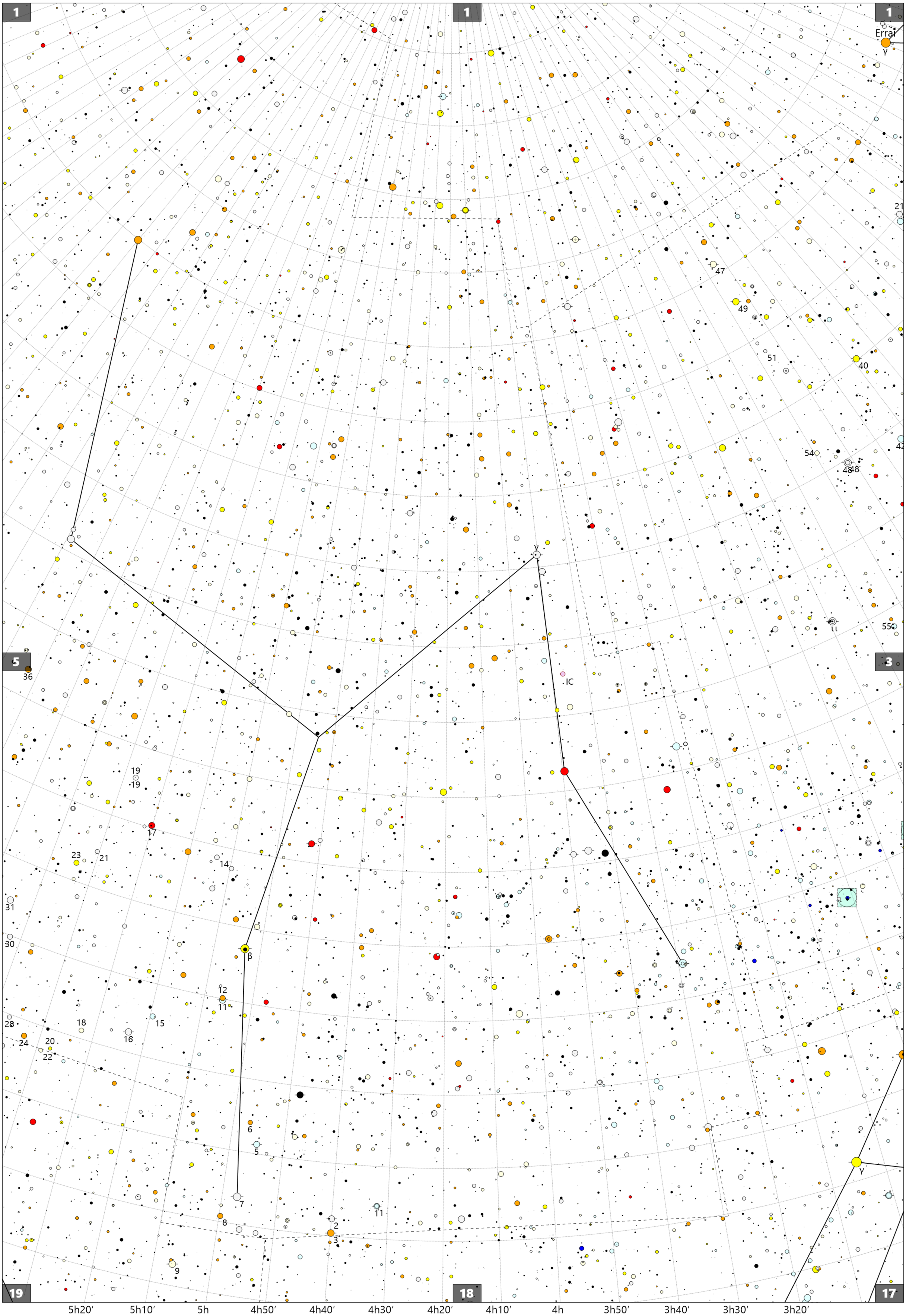


www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 4

RA:3.26;5.34 DEC:87.00;50.70

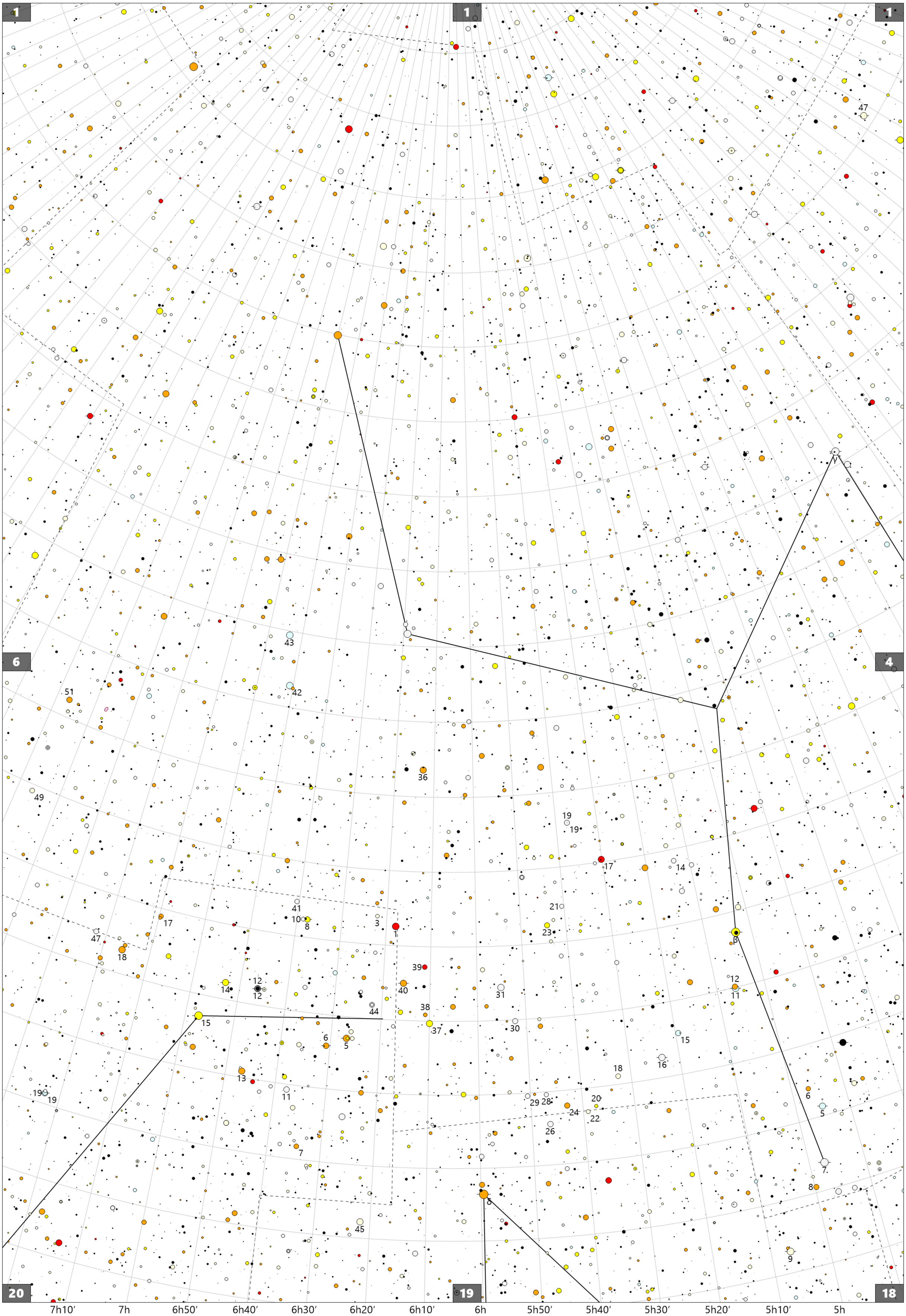


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0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 5

RA:5.04;7.13 DEC:87.00;50.70

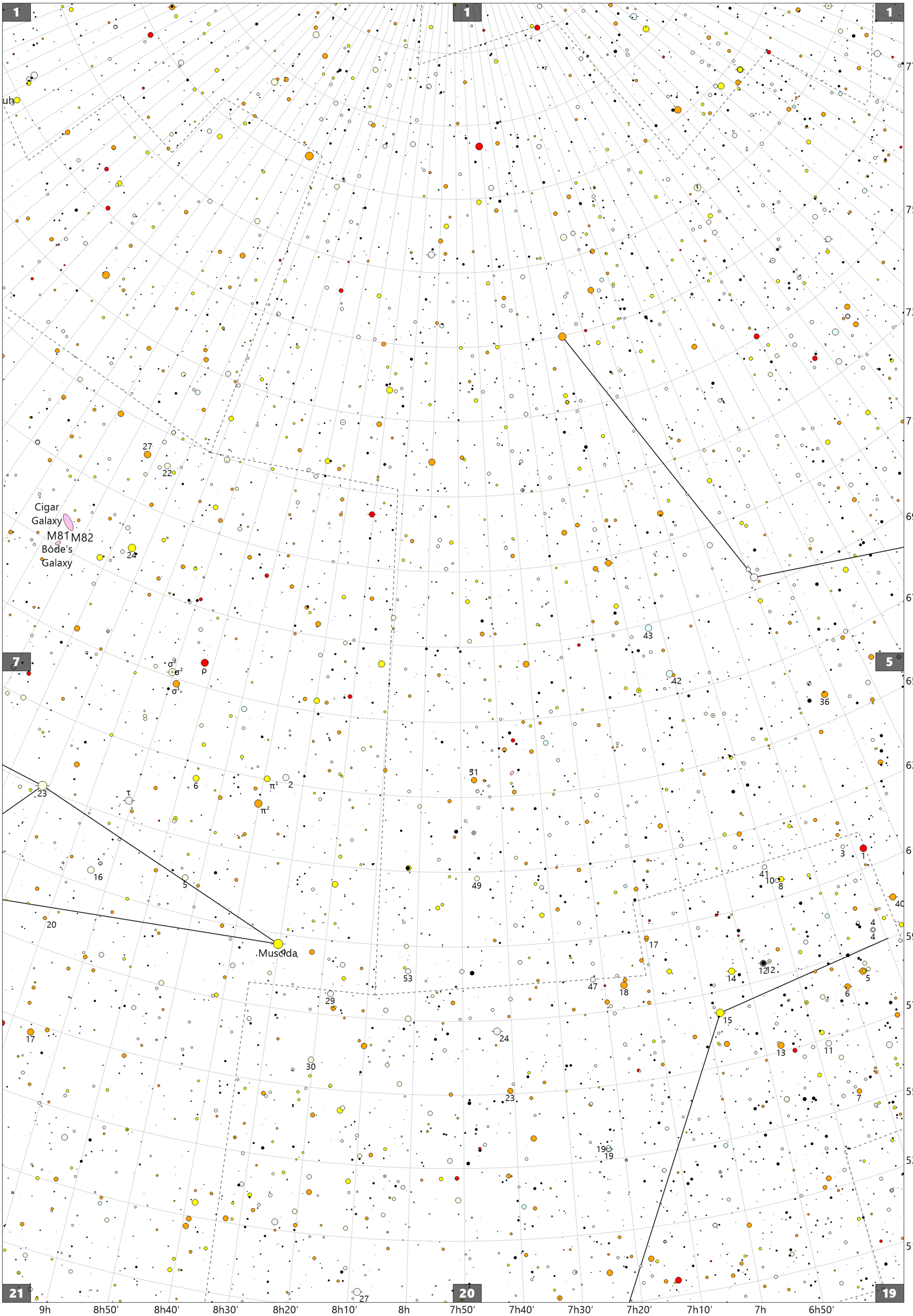


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0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 6

RA:6.83;8.91 DEC:87.00;50.70



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0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 7

RA:8.61;10.69 DEC:87.00;50.70

1 1 1

4
Tonatiuh
2
Giausar
3
27 22
Cigar Galaxy
M82
M81
Bode's Galaxy
24
8 6
38 35 32
ρ σ² σ² σ¹
51
2 π¹ π² 6
Dubhe
Dubhe α
28 23 τ 5
Muscida
53
16 20 30
42 41 43 40 39
Merak β
36
44
υ
17
φ
21 21 18
26 θ
29

77° 75° 73° 71° 69° 67° 65° 63° 61° 59° 57° 55° 53° 51°

22 21 20

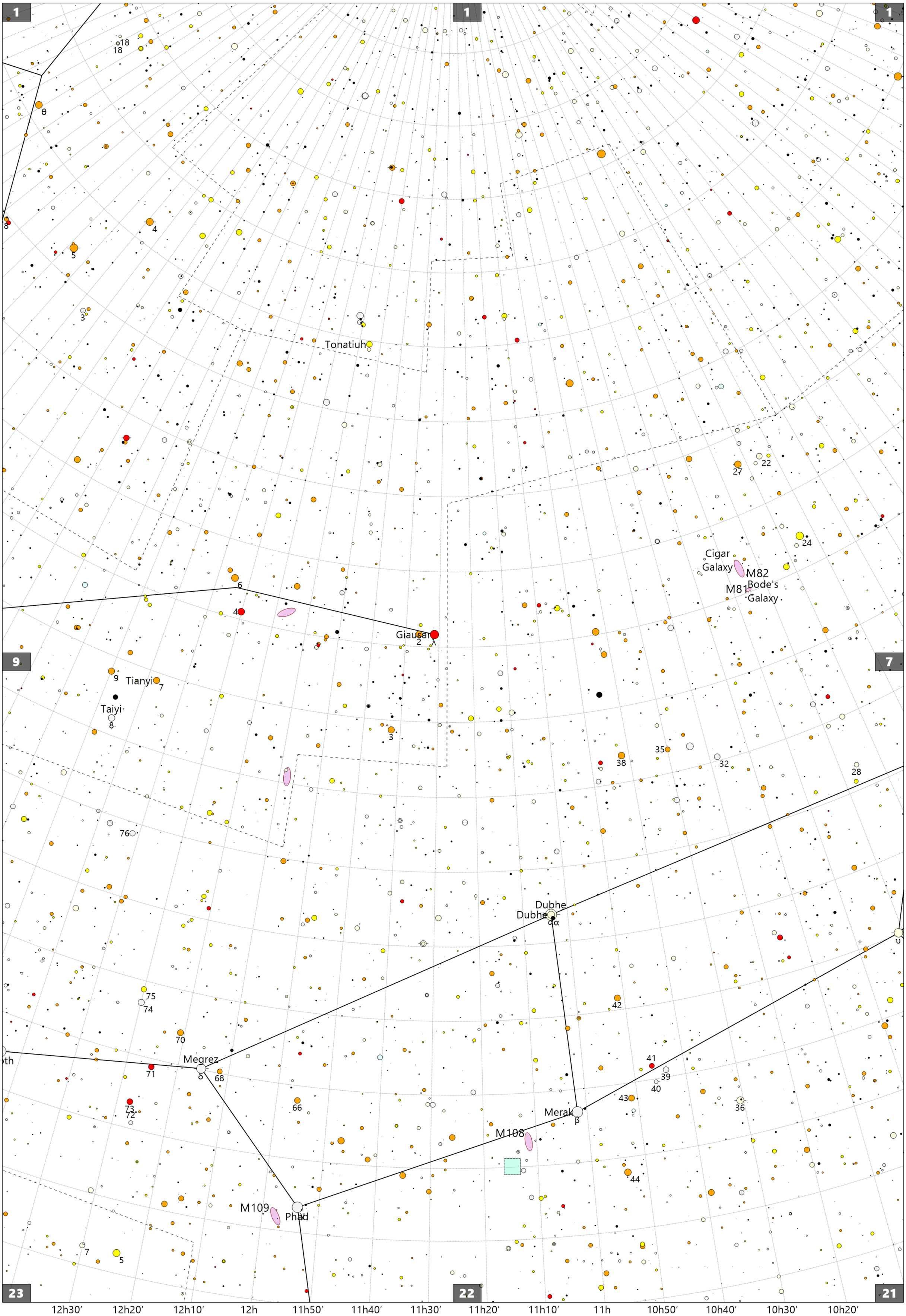
10h40′ 10h30′ 10h20′ 10h10′ 10h 9h50′ 9h40′ 9h30′ 9h20′ 9h10′ 9h 8h50′ 8h40′

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 8

RA:10.39;12.47 DEC:87.00;50.70

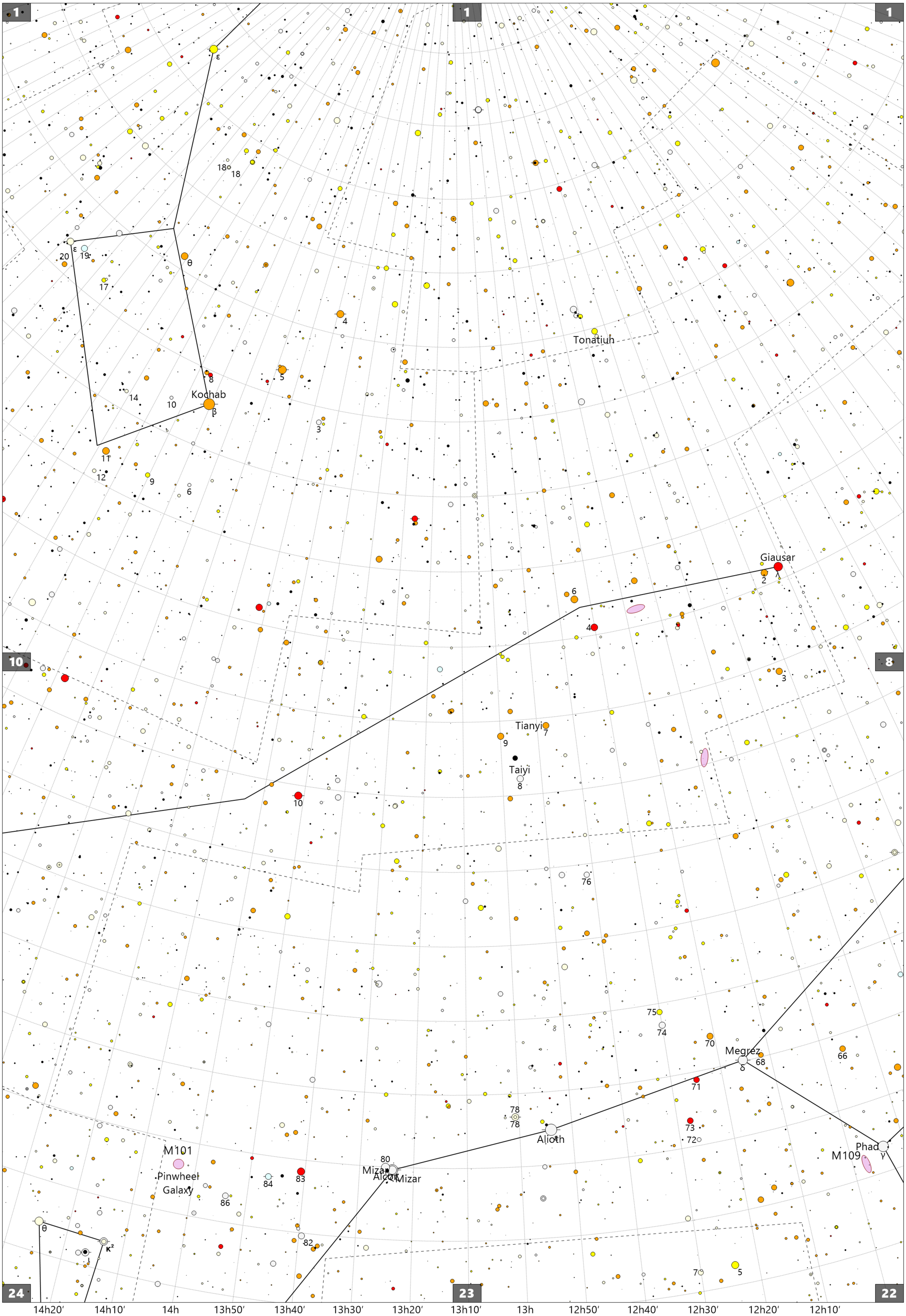


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0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 9

RA:12.17;14.25 DEC:87.00;50.70



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Chart 10

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

RA:13.95;16.03 DEC:87.00;50.70

1 1 1

59 40 41 ε 35 18 18 29 Dziban ψ ψ¹ ε 20 19 17 θ 4 5 3 8 Kochab β 10 14 11 12 9 6 Tonatiuh 6 9

11 9

19 20 18 Athebyne ε θ Edasich ι 10 83 84 M101 Pinwheel Galaxy 86 K¹ K² θ ι

25 24 23

77° 75° 73° 71° 69° 67° 65° 63° 61° 59° 57° 55° 53° 51°

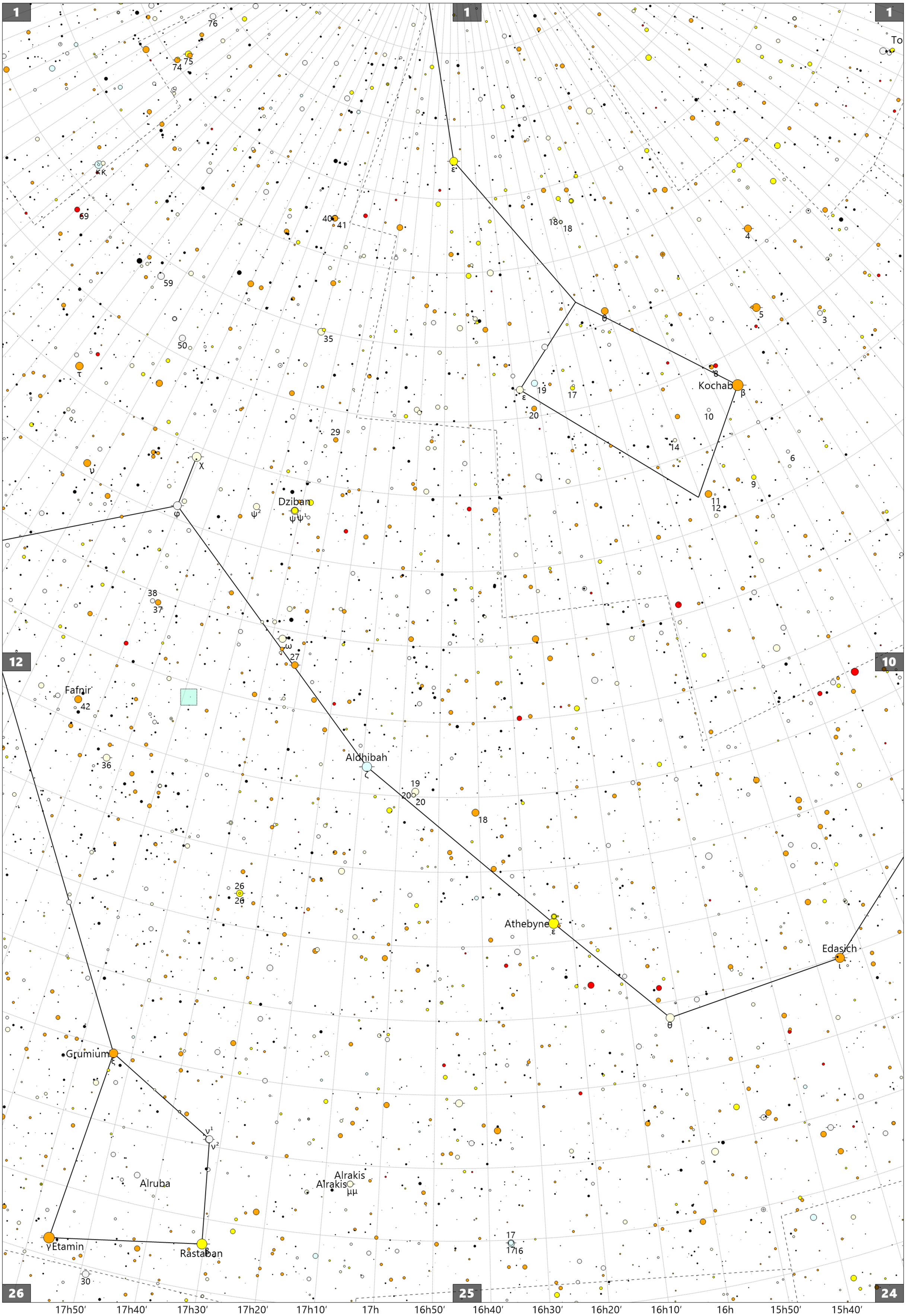
16h 15h50′ 15h40′ 15h30′ 15h20′ 15h10′ 15h 14h50′ 14h40′ 14h30′ 14h20′ 14h10′ 14h

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 11

RA:15.73;17.82 DEC:87.00;50.70

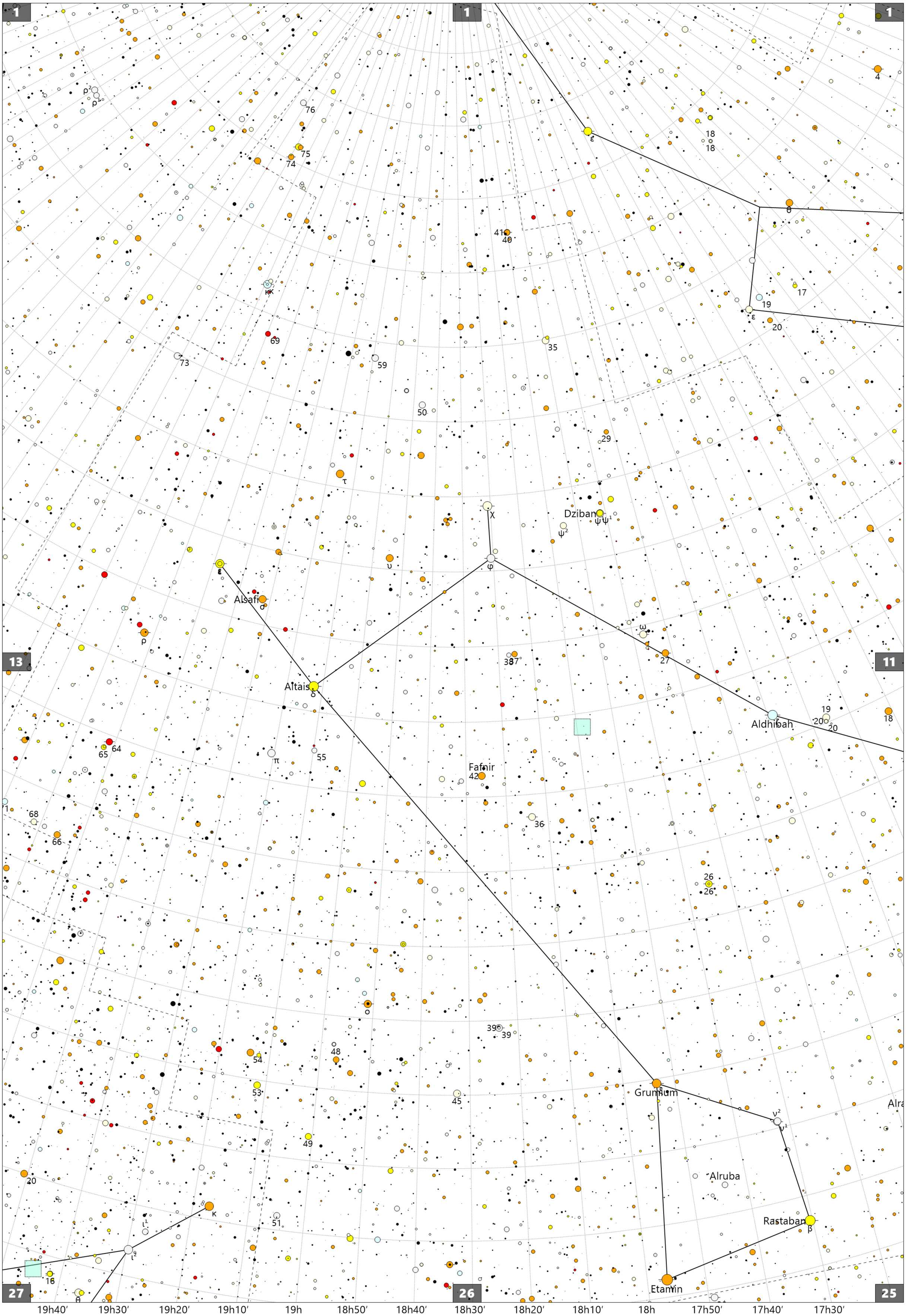


www.josefpirkl.com/pi_starsmaps.php

Chart 12

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

RA:17.52;19.60 DEC:87.00;50.70

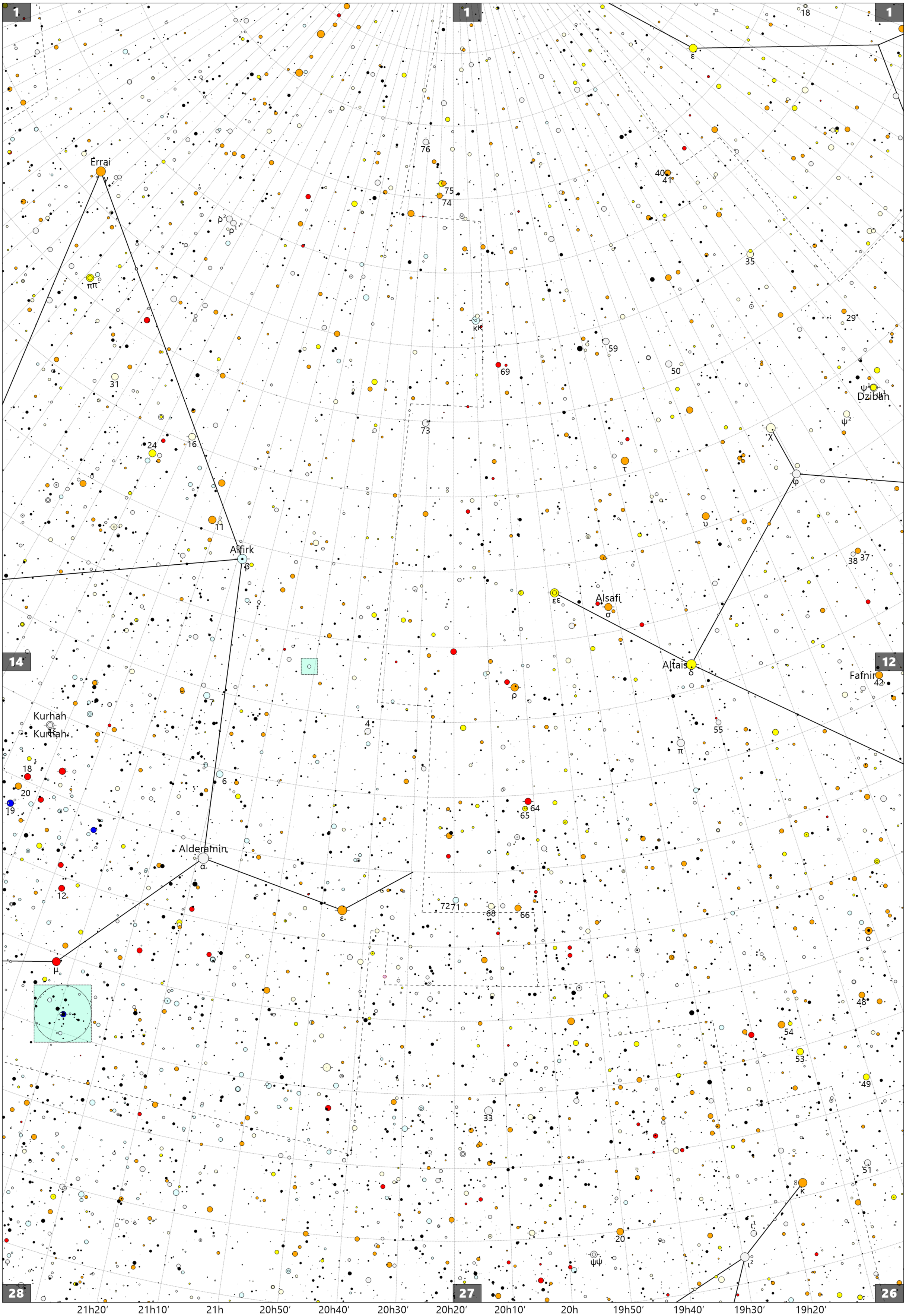


www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 13

RA:19.30;21.38 DEC:87.00;50.70



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0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 14

RA:21.08;23.16 DEC:87.00;50.70

1 1 1

49 47 21 23 Errai γ ρ² ρ¹ ππ 31 16 24 11 Alfirk β oo 26 Kurhah Kurhah ξξ 30 18 25 20 19 6 6 4 2 δ ζ ε Kruger 60 Babcock's star 12 μ 13 Alderamin α ε 7 6 4 69 κκ 40 41 35 73 τ 50 59 ρ 72 εε 4 9 π¹

77° 75° 73° 71° 69° 67° 65° 63° 61° 59° 57° 55° 53° 51°

15 13 29 28 27

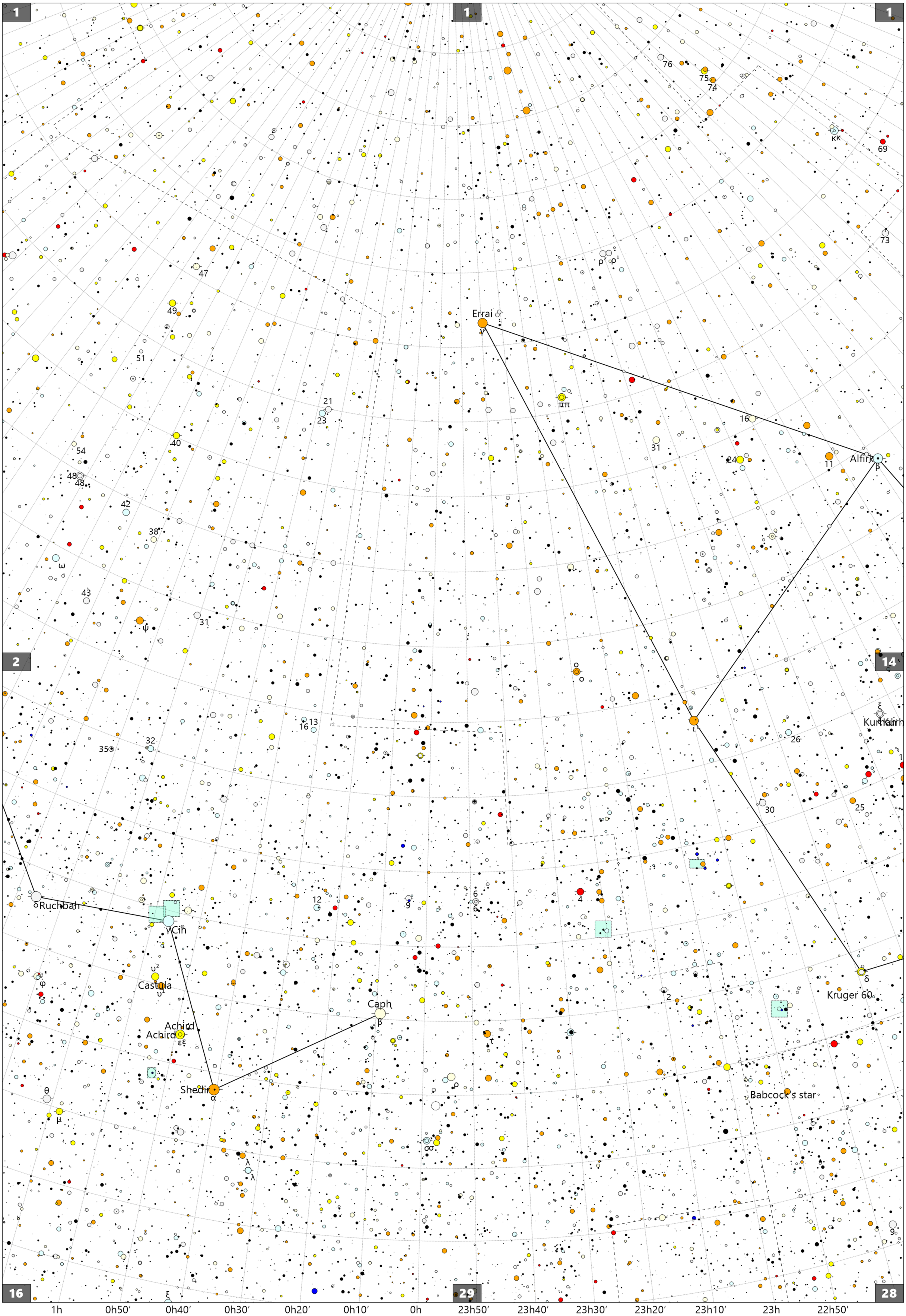
23h10′ 23h 22h50′ 22h40′ 22h30′ 22h20′ 22h10′ 22h 21h50′ 21h40′ 21h30′ 21h20′ 21h10′ 21h

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 15

RA:22.86;0.94 DEC:87.00;50.70



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0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 16

RA:23.70;1.78 DEC:53.70;15.90

3 2 15 17 29 31 30 43

52° 50° 48° 46° 44° 42° 40° 38° 36° 34° 32° 30° 28° 26° 24° 22° 20° 18° 16°

1h30′ 1h20′ 1h10′ 1h 0h50′ 0h40′ 0h30′ 0h20′ 0h10′ 0h

Nembus 51 49 Adhil ξ ω χ 41 Titawin υ τ 44 39 Andromeda Galaxy ν M110 M32 M31 32 47 45 Mirach β 76 78 σ 82 Triangulum Galaxy M33 1 91 68 65 65 67 36 36 ε ζ π δ ε 28 Alpheratz α 79 85 ψ 83 ψ¹ ψ² ψ³ 61 55 55 54 52 χ 46 47 94 ρ 97 92 87 64 49 48 40 39 φ 18 22 23 26 ξ ο π θ ρ σ λ κ ι

Triangulum Galaxy M33

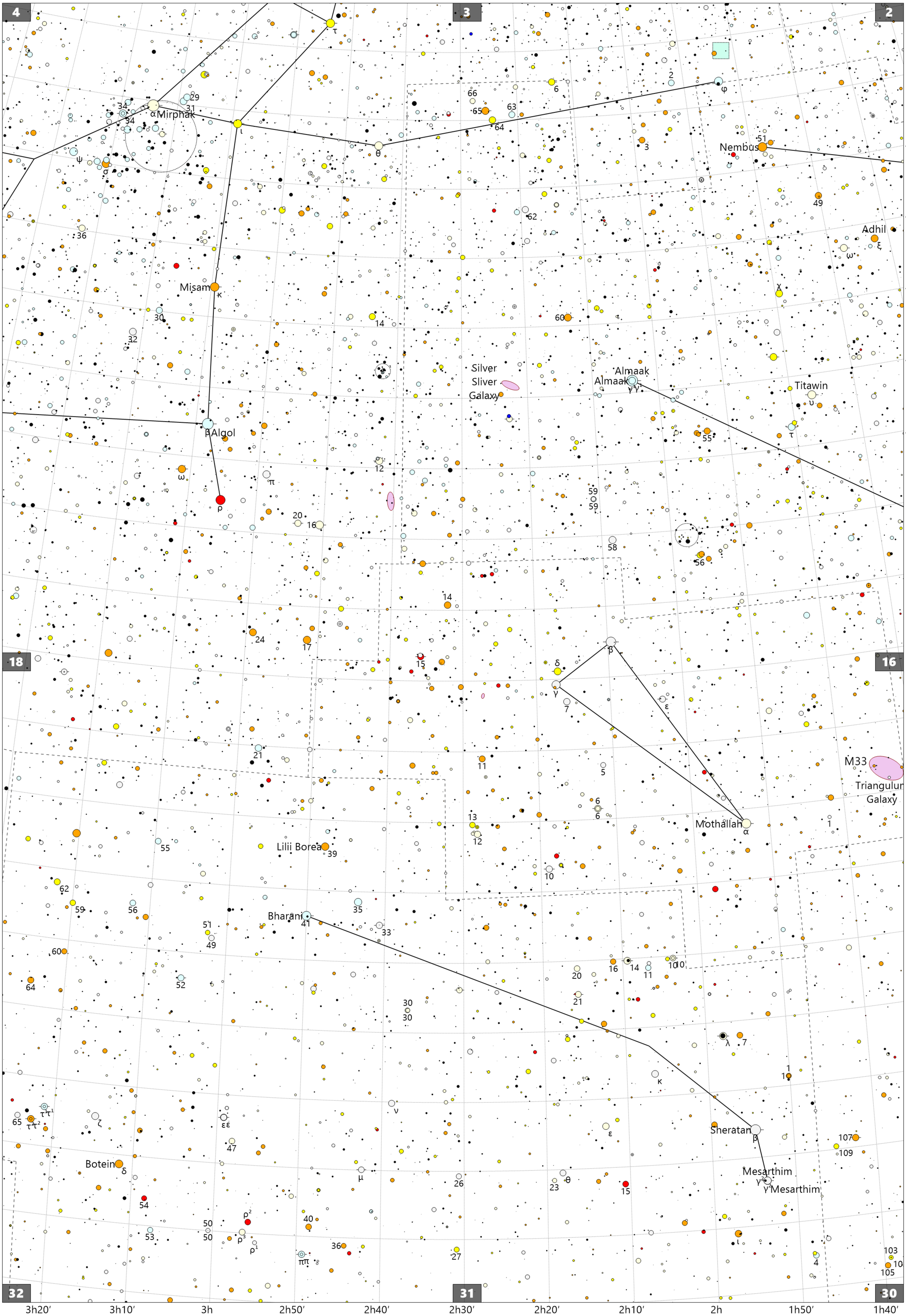
M74

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Chart 17

RA:1.48;3.56 DEC:53.70;15.90

0 1 2 3 4 5 6 7 8 9 GX GC OC NB



www.josefpirkl.com/pi_starsmaps.php

Chart 18

RA:3.26;5.34 DEC:53.70;15.90

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

5 4 3

Capella α
Almaaz ε
Saclateni ζ
Hassaleh ι
Mirphak α
Misam κ
Menkib ξ
Atik ο
Ain ε
Secunda Hyadum δ¹
Aldebaran α
Asterope
Taygeta
Pleione
Celaeno
Alcyone
Atlas
Merope

52° 50° 48° 46° 44° 42° 40° 38° 36° 34° 32° 30° 28° 26° 24° 22° 20° 18° 16°

19 17 33 32 31

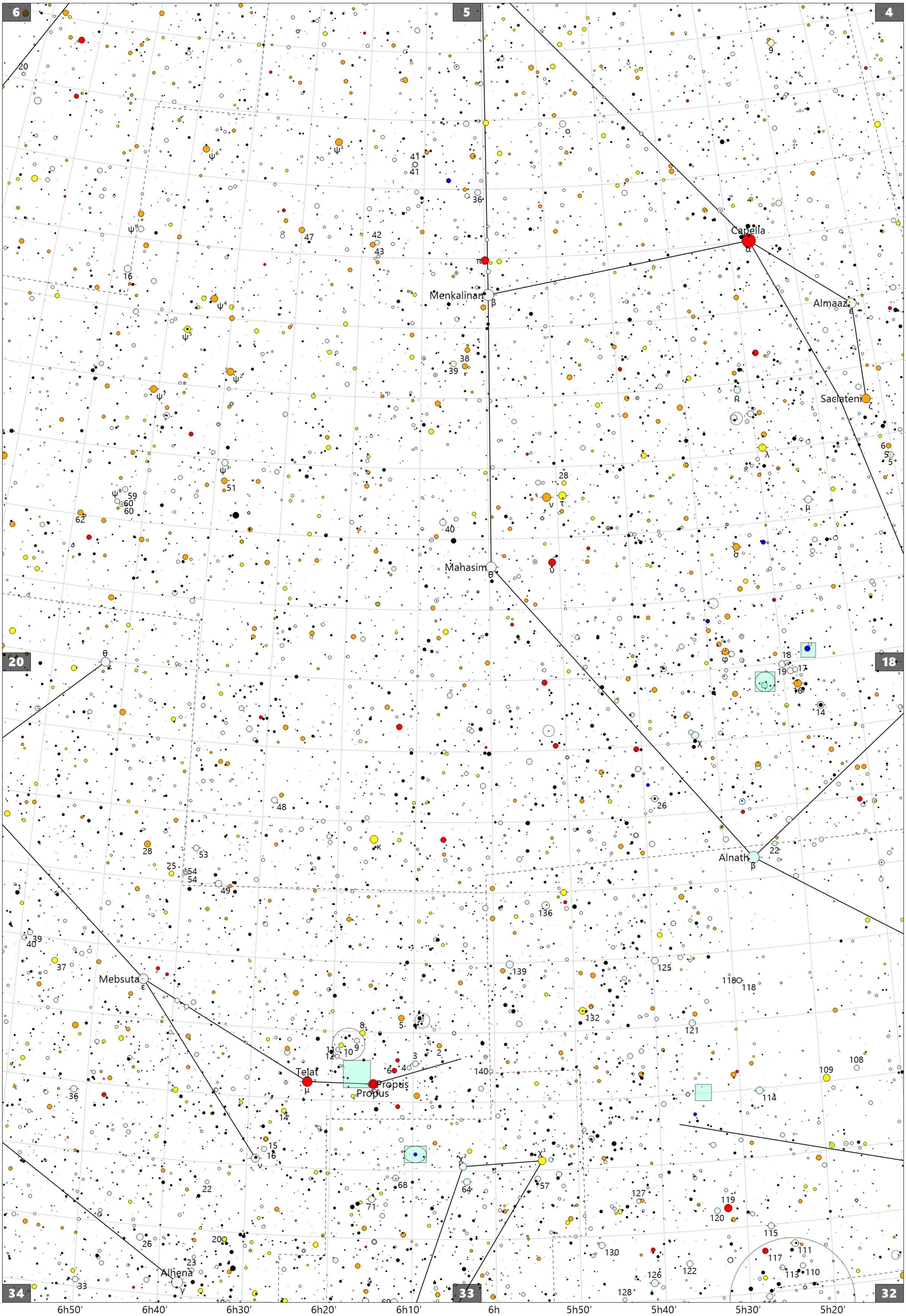
5h10′ 5h 4h50′ 4h40′ 4h30′ 4h20′ 4h10′ 4h 3h50′ 3h40′ 3h30′

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 19

RA:5.04;7.13 DEC:53.70;15.90



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Chart 20

RA:6.83;8.91 DEC:53.70;15.90

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

7 6 5

52° 50° 48° 46° 44° 42° 40° 38° 36° 34° 32° 30° 28° 26° 24° 22° 20° 18° 16°

Talitha
Alsciaukat
Jishui
Castor
Pollux
Piautos
Meleph
Tegmine
Wasat
Mekbuda

21 19

35 34 33

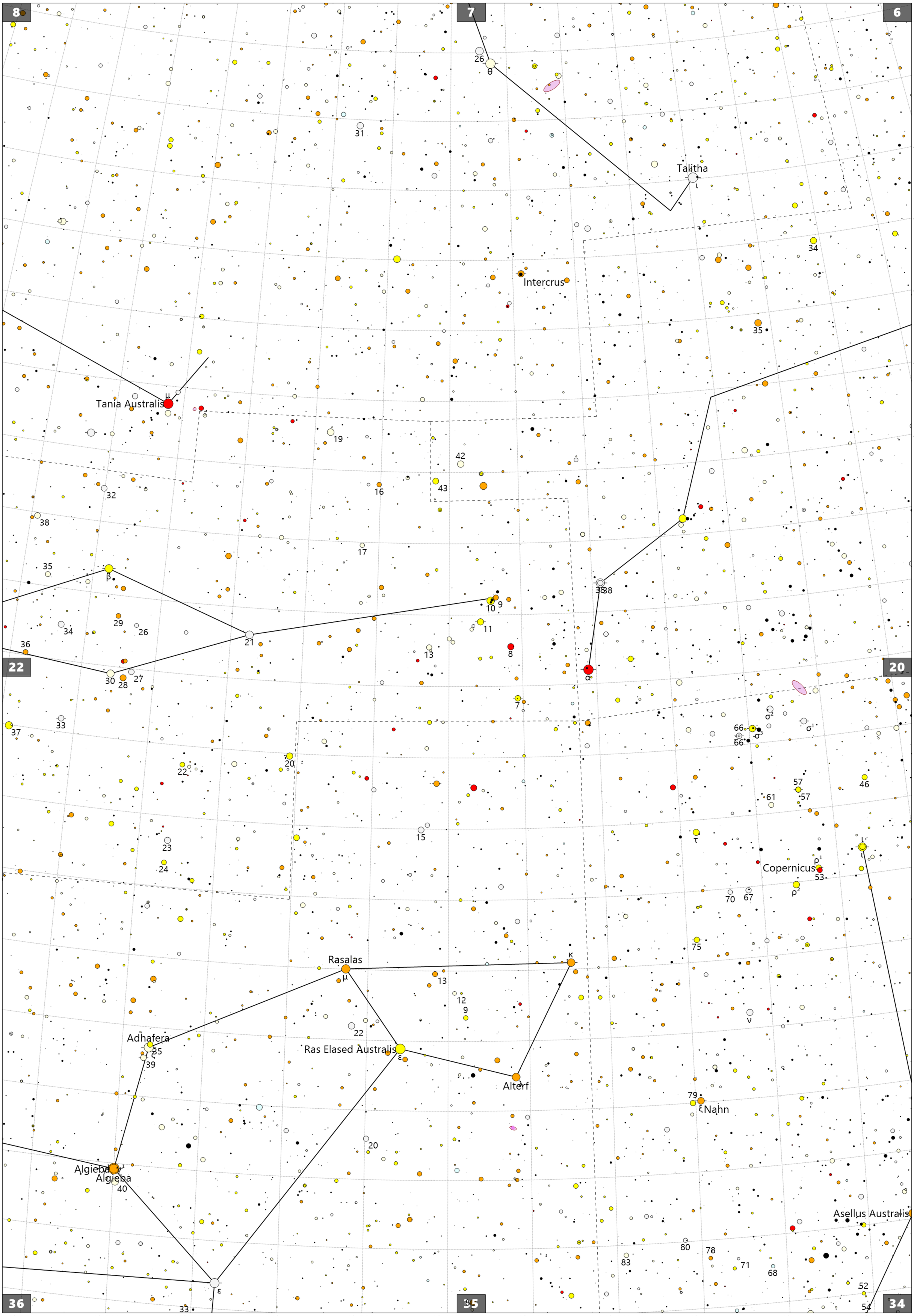
8h40′ 8h30′ 8h20′ 8h10′ 8h 7h50′ 7h40′ 7h30′ 7h20′ 7h10′ 7h

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 21

RA:8.61;10.69 DEC:53.70;15.90



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Chart 22

RA:10.39;12.47 DEC:53.70;15.90

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

9 8 7 23 21 37 36 35

52° 50° 48° 46° 44° 42° 40° 38° 36° 34° 32° 30° 28° 26° 24° 22° 20° 18° 16°

12h10′ 12h 11h50′ 11h40′ 11h30′ 11h20′ 11h10′ 11h 10h50′ 10h40′

Taiyangshou χ
M106
Cocoon Galaxy
Tania Australis μ
Chalawan
Lalande 21185
Praecipua
Alula Borealis ν
Zosma δ

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Chart 23

RA:12.17;14.25 DEC:53.70;15.90

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

10 9 8

82 θ κ² 1 24 13 Alkaid ε 21 24 7 5 3 11 M106 Whirlpool Galaxy M51 Xuange La Superba

Sunflower galaxy M63 19 18 23 20 16 15 17 25 25 M94 Cor Caroli α α¹ Cocoon Galaxy Chara β 9 10 2 4 6

Whale Galaxy 37 11 9 3 10 9 γ β 41 31 30 14 16 13 17 12 21 22 18 8 23 40 39 39 M64 Black Eye Galaxy 35 35 26 20 24 24 M85 11 Mufrid ε 7 τ 1 2 10 6 Diadem Diadem αα 36 38 33 32 27 25 M100

24 22 38 37 36

52° 50° 48° 46° 44° 42° 40° 38° 36° 34° 32° 30° 28° 26° 24° 22° 20° 18° 16°

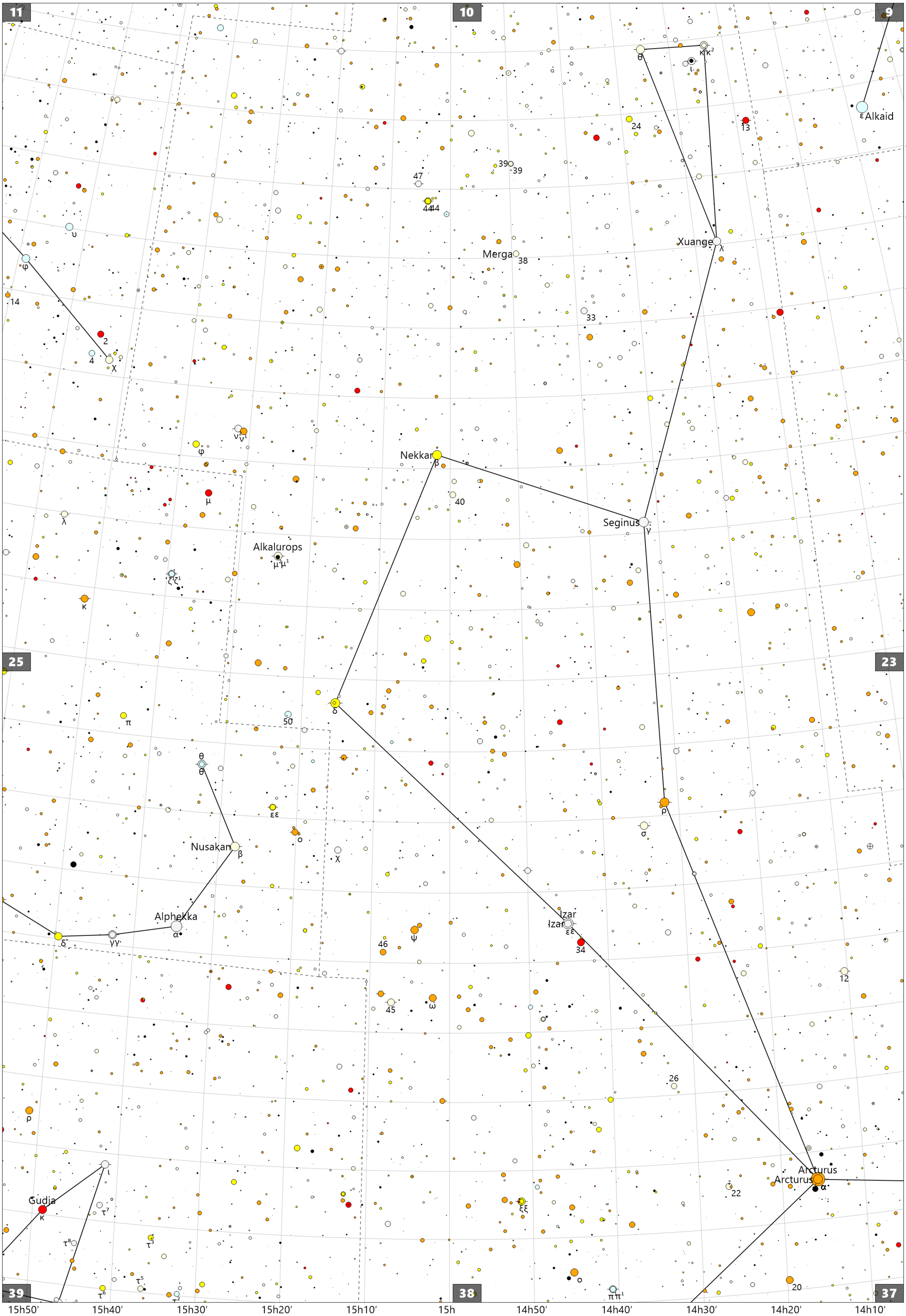
14h 13h50′ 13h40′ 13h30′ 13h20′ 13h10′ 13h 12h50′ 12h40′ 12h30′ 12h20′

www.josefpirkl.com/pi_starsmaps.php

Chart 24

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

RA:13.95;16.03 DEC:53.70;15.90

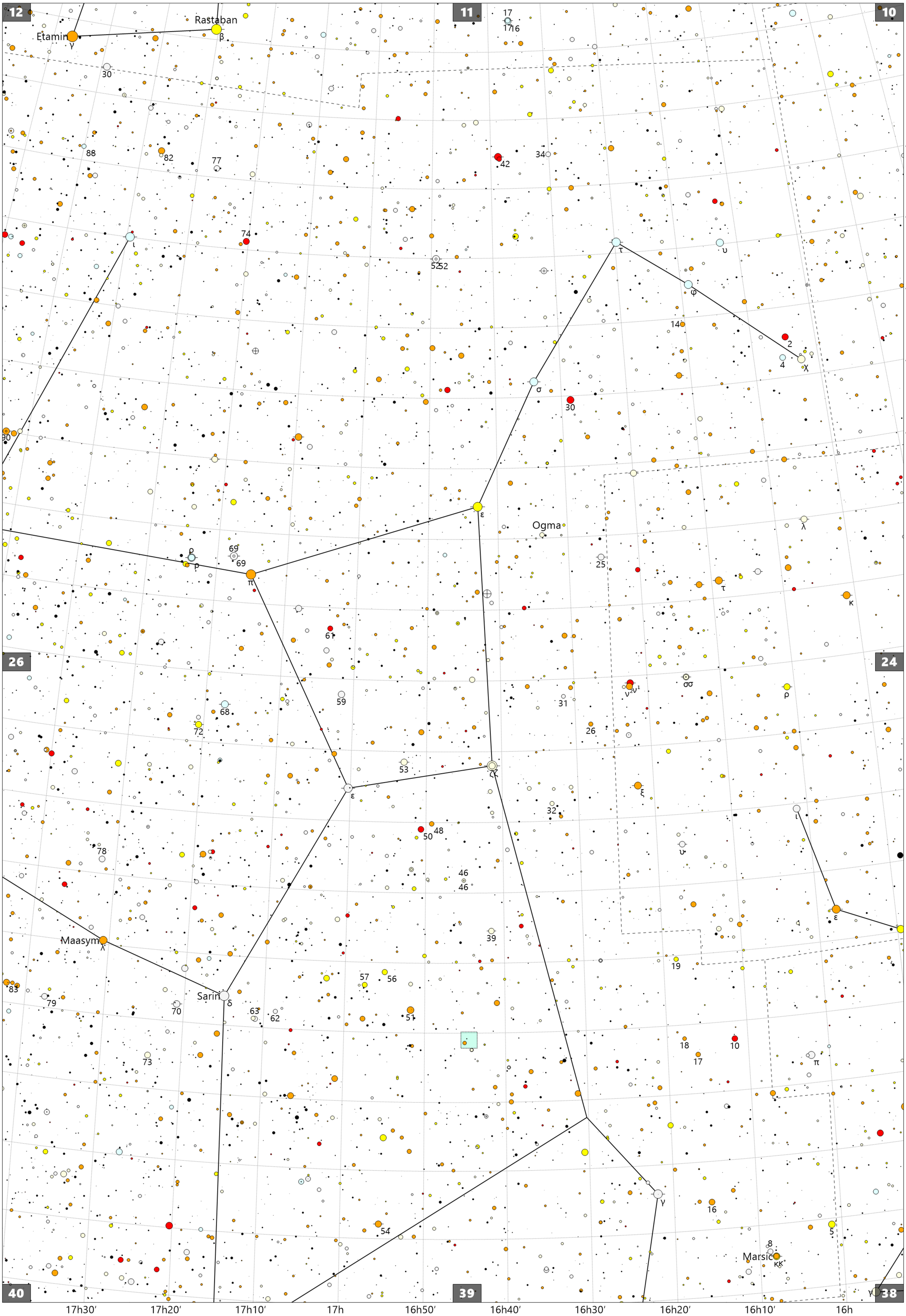


www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 25

RA:15.73;17.82 DEC:53.70;15.90



www.josefpirkl.com/pi_starsmaps.php

Chart 26

RA:17.52;19.60 DEC:53.70;15.90

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

13 12 11

Rastaban β
Etamin γ
30
88
82
77
74
16
θ
ι¹ ι²
16
13
14
Aladfar ε
θ
11
4
ι
8
ε¹ ε²
Vega α
μ
ζ²
δ¹ δ²
κ
θ
90 90
Sulafat γ
Shelak β
ν¹ ν²
λ
17
19
2
3
8
α
β¹ β²
22
113
1 1
5
4
112
110
111
3 2
104
99 99
ν
ξ
ο
μ
108
107
100 100
89
87
83
84
79
105
98
97
95 95
96
102
101
109
106
93

27 25 41 40 39

52° 50° 48° 46° 44° 42° 40° 38° 36° 34° 32° 30° 28° 26° 24° 22° 20° 18° 16°

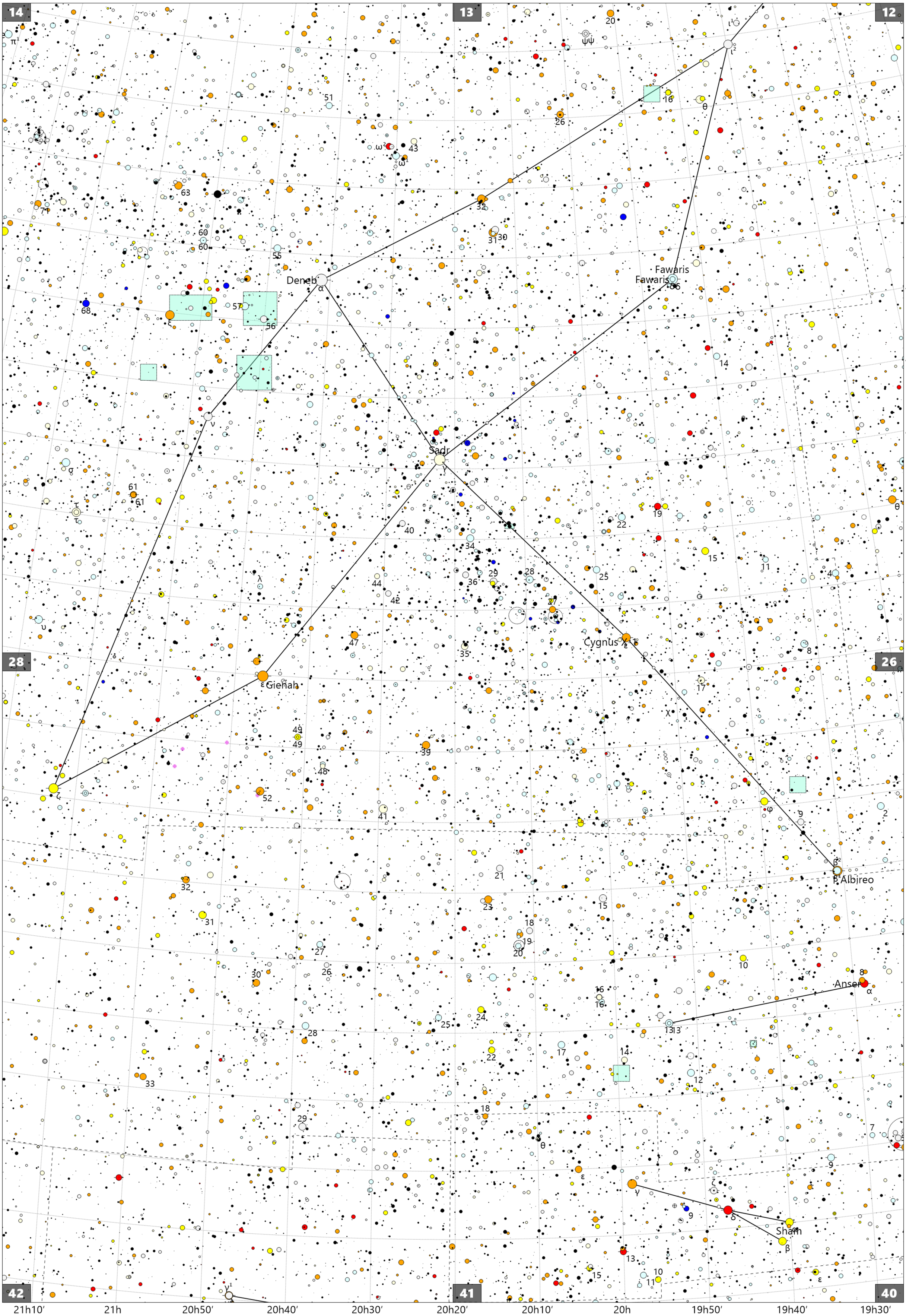
19h20′ 19h10′ 19h 18h50′ 18h40′ 18h30′ 18h20′ 18h10′ 18h 17h50′

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 27

RA:19.30;21.38 DEC:53.70;15.90

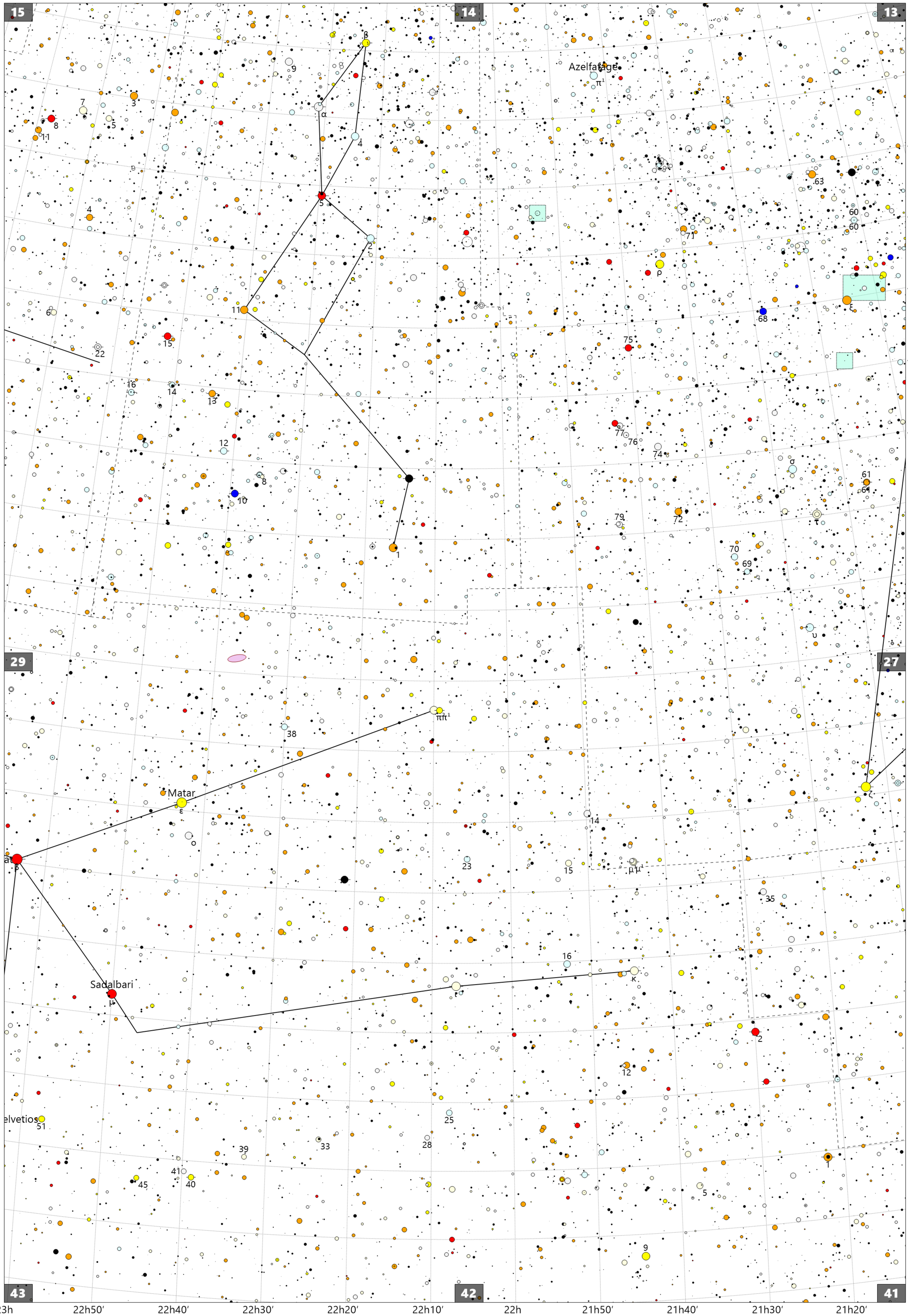


www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 28

RA:21.08;23.16 DEC:53.70;15.90



www.josefpirkl.com/pi_starsmaps.php

Chart 29

RA:22.86;0.94 DEC:53.70;15.90

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

2 15 14 16 28 30 43 42

52° 50° 48° 46° 44° 42° 40° 38° 36° 34° 32° 30° 28° 26° 24° 22° 20° 18° 16°

0h40′ 0h30′ 0h20′ 0h10′ 0h 23h50′ 23h40′ 23h30′ 23h20′ 23h10′

Andromeda Galaxy
M110
M32
M31
Veritate
Alpheratz
Scheat
Alkarab
τSalm

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 30

RA:23.70;1.78 DEC:18.90;-18.90

17 16 29

97 92 64 87 47 103 M74 Alpherg ε 101 72 57 53 49 48 40 39 87 Algenib γ 43 37 42 86 75 100 58 34 82

17° 15° 13° 11°

70 ζ ε δ 62 96 Revati ζ 88 60 51 45 41 36 35 31 32 ω 26 9° 7°

μ 95 80 73 96 G. Psc 7777 89 5°

35 33 IC 29 26 44 25 1°

31 43 42 38 20 15 14 10 43 -1°

40 39 34 11 13 12 29 27 24 -3°

25 33 30 -5°

36 44 θ 41 37 32 21 ι -7°

30 28 27 ε 3 -9°

φ² φ¹ φ⁴ φ³ 9 -11°

18 -13°

47 46 -15°

50 49 6 1 -17°

45 44 57

1h30′ 1h20′ 1h10′ 1h 0h50′ 0h40′ 0h30′ 0h20′ 0h10′ 0h 23h50′

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 31

RA:1.48;3.56 DEC:18.90;-18.90

18 17 16

54 53 50 50 ρ^2 ρ^3 ρ^1 40 36 π π 27 ι 4 103 103 105 σ o 19 29 104

μ ξ ξ^2 ξ^1 64 Torcular o 268 G. Cet ν ν 93 Menkar α κ^2 κ^1 Kaffaljidhma Kaffaljidhma ν Alrescha Alrescha α 112 ξ

Cetus A M77 84 84 69 60 61 70 75 95 95 94 5 7 71 Mira o 63 66 62 58 67 81 79 80 77

ρ^3 ρ^2 ρ^1 Zibal ζ 14 ε ρ σ π τ^1 Baten Kaitos ζ χ τ

32 30 46 45 44

17° 15° 13° 11° 9° 7° 5° 3° 1° -1° -3° -5° -7° -9° -11° -13° -15° -17°

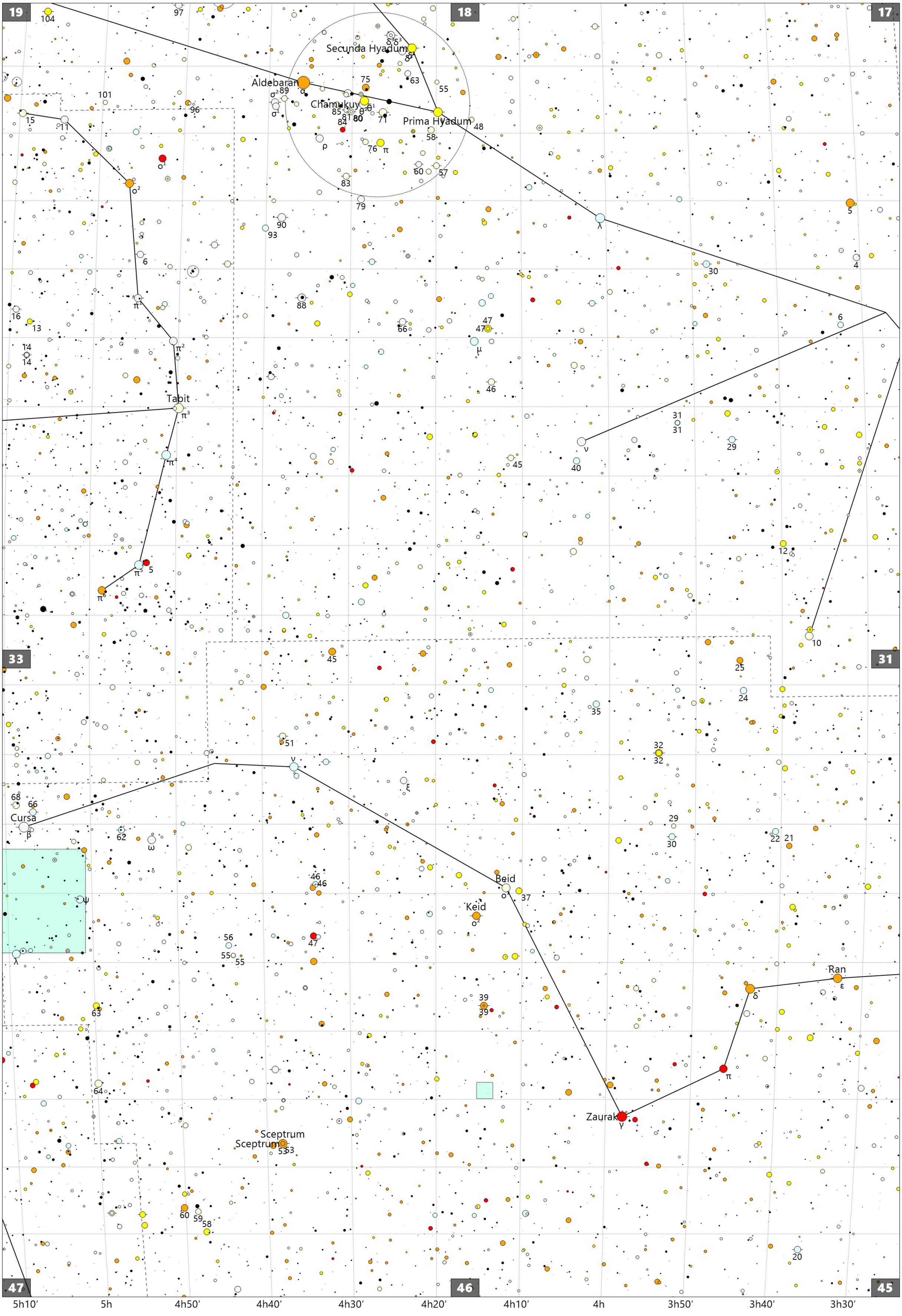
3h20′ 3h10′ 3h 2h50′ 2h40′ 2h30′ 2h20′ 2h10′ 2h 1h50′ 1h40′

www.josefpirkl.com/pi_starsmaps.php

Chart 32

RA:3.26;5.34 DEC:18.90;-18.90

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

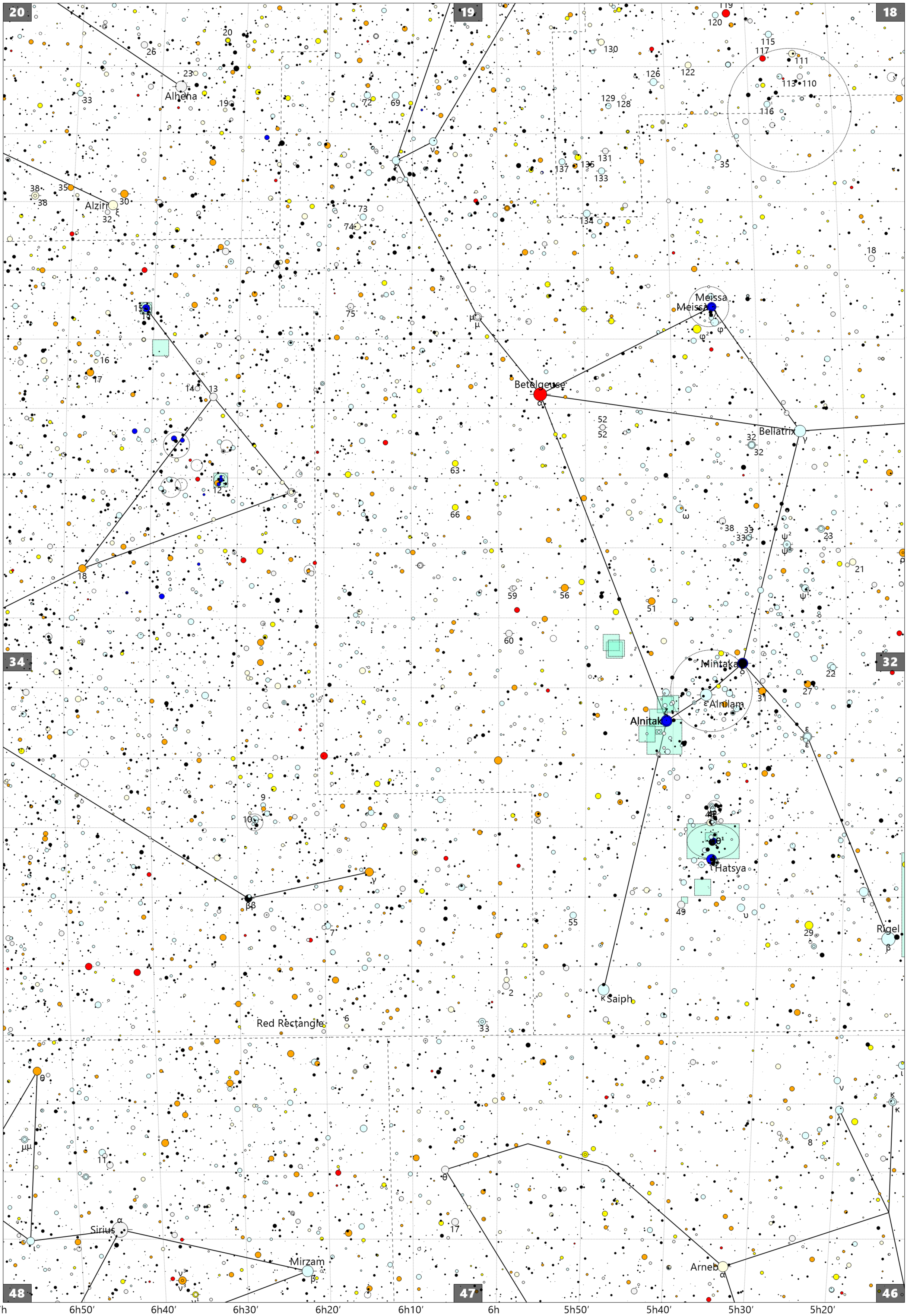


www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 33

RA:5.04;7.13 DEC:18.90;-18.90



www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 34

RA:6.83;8.91 DEC:18.90;-18.90

21 20 19

Tegmine
Tegmine
Tarf
Gomeisa
Procyon
Luyten's Star
Minchir
Mulifein

35 33

49 48 47

8h40′ 8h30′ 8h20′ 8h10′ 8h 7h50′ 7h40′ 7h30′ 7h20′ 7h10′ 7h

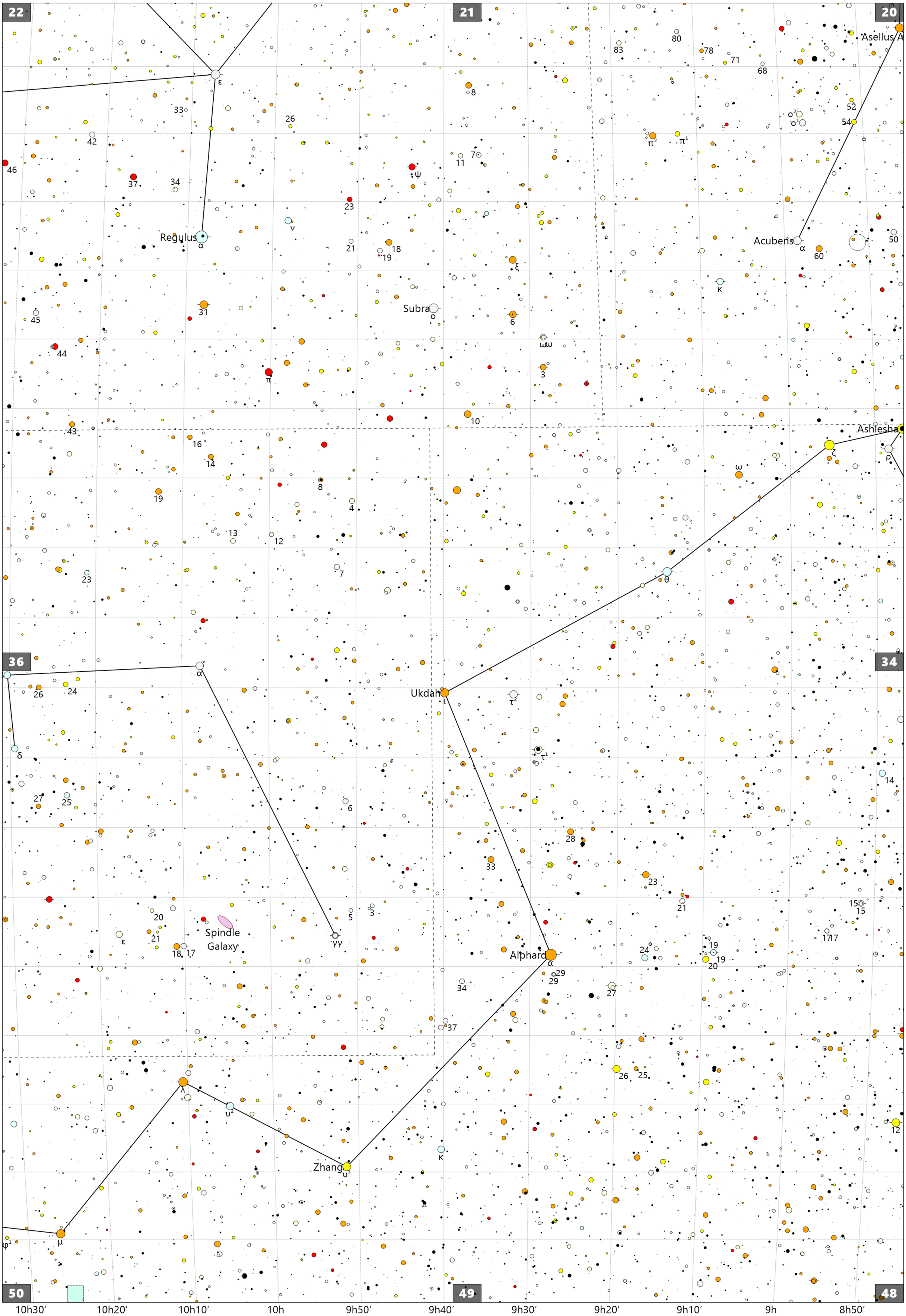
17° 15° 13° 11° 9° 7° 5° 3° 1° -1° -3° -5° -7° -9° -11° -13° -15° -17°

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 35

RA:8.61;10.69 DEC:18.90;-18.90

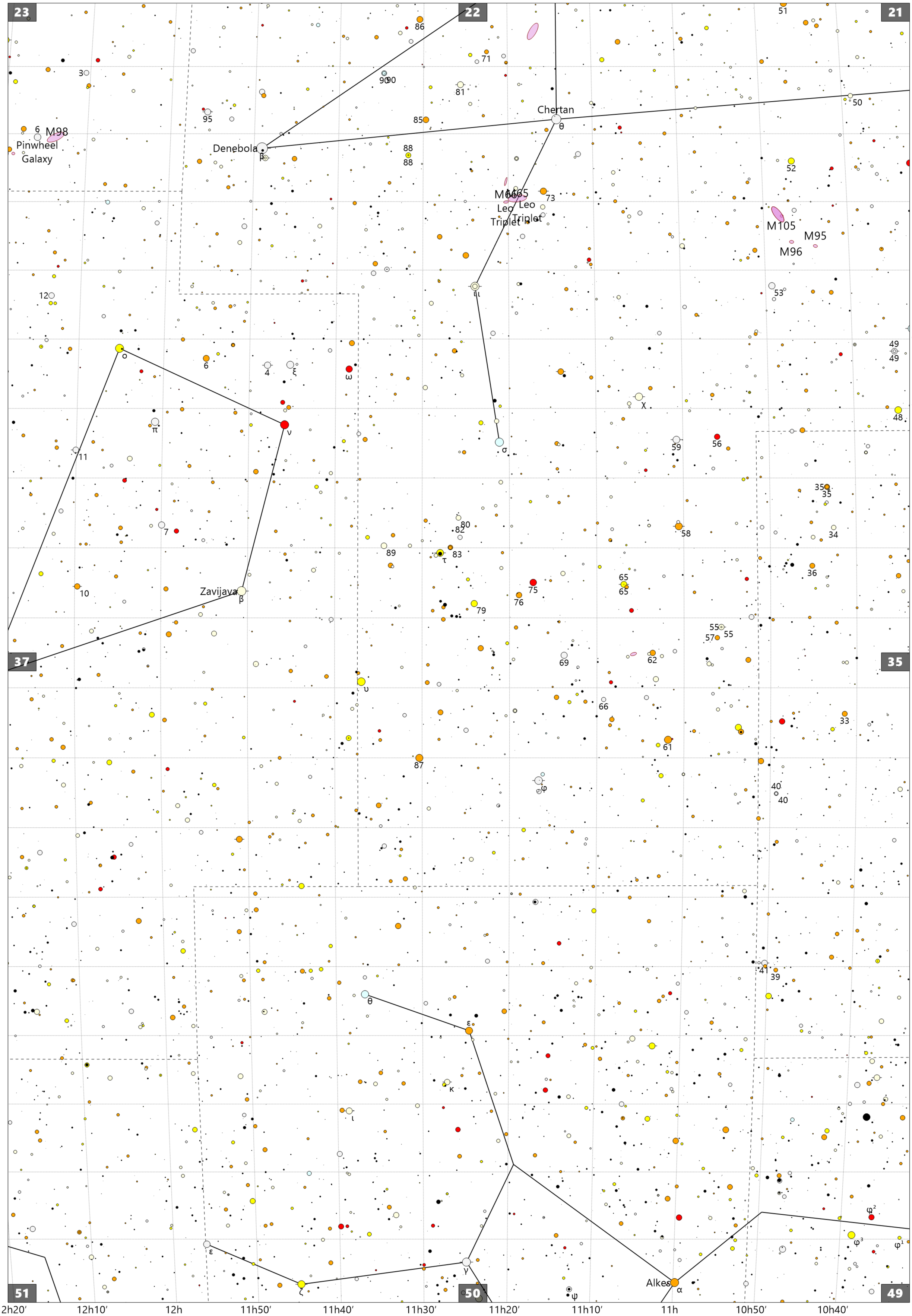


www.josefpirkl.com/pi_starsmaps.php

Chart 36

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

RA:10.39;12.47 DEC:18.90;-18.90



www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 37

RA:12.17;14.25 DEC:18.90;-18.90

24 23 22

Mufrid ε 7 τ υ

Diadem Diadem αα

38 36 33 32 27 25 24 24 11

M85 M100 M91 M88 The Eyes Markarian's Chain M84 M86 M90 M89 Virgo A M87 M60 M59 M58

29 28 70 71 41 34 27 20 33

Vindemiatrix ε

59 64 σ 78 84 84 17 M61 35 37

Lost Galaxy Lost Galaxy M49 32 31

Minelauva δ

τ 92 90

Porrima γ Porrima

46 48 48 46 44 38 65 66 80 74 72 88 81 81 77 82 76 58 56 50 49 62 68 86 86 75 85 83 69 53 63 61 54 25 28 χ 21 ψ

Spica α

M104 Sombrero Galaxy

ε Algorab δ

87 89 73

17° 15° 13° 11° 9° 7° 5° 3° 1° -1° -3° -5° -7° -9° -11° -13° -15° -17°

38 36 52 51 50

14h 13h50′ 13h40′ 13h30′ 13h20′ 13h10′ 13h 12h50′ 12h40′ 12h30′ 12h20′

www.josefpirkl.com/pi_starsmaps.php

Chart 38

RA:13.95;16.03 DEC:18.90;-18.90

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

25 24 23 39 37 53 52 51

Gudja κ τ7 τ8 τ3 τ6 τ5 τ2 τ4 τ1 29 β υ χ 7 δδ 16 λ Unukalhai α ε ψ ω 10 5 66 4 14 11 8 25 3 μ

o π1 π1 20 ζ ζ 18 14 32 15 15 31 110 109 108 11 φElgafar 103 υ 104 106 16 δ 37 ε 17 18 ξ2 ξ1 2 Khambalia λ μ μ 5 Zubenelgenubi α1 α2 97 Kang κ 96 Zubenelhakrabi γ 30 ο ν 22 ζ4 ζ3 ζ1 33 26 28 10

17° 15° 13° 11° 9° 7° 5° 3° 1° -1° -3° -5° -7° -9° -11° -13° -15° -17°

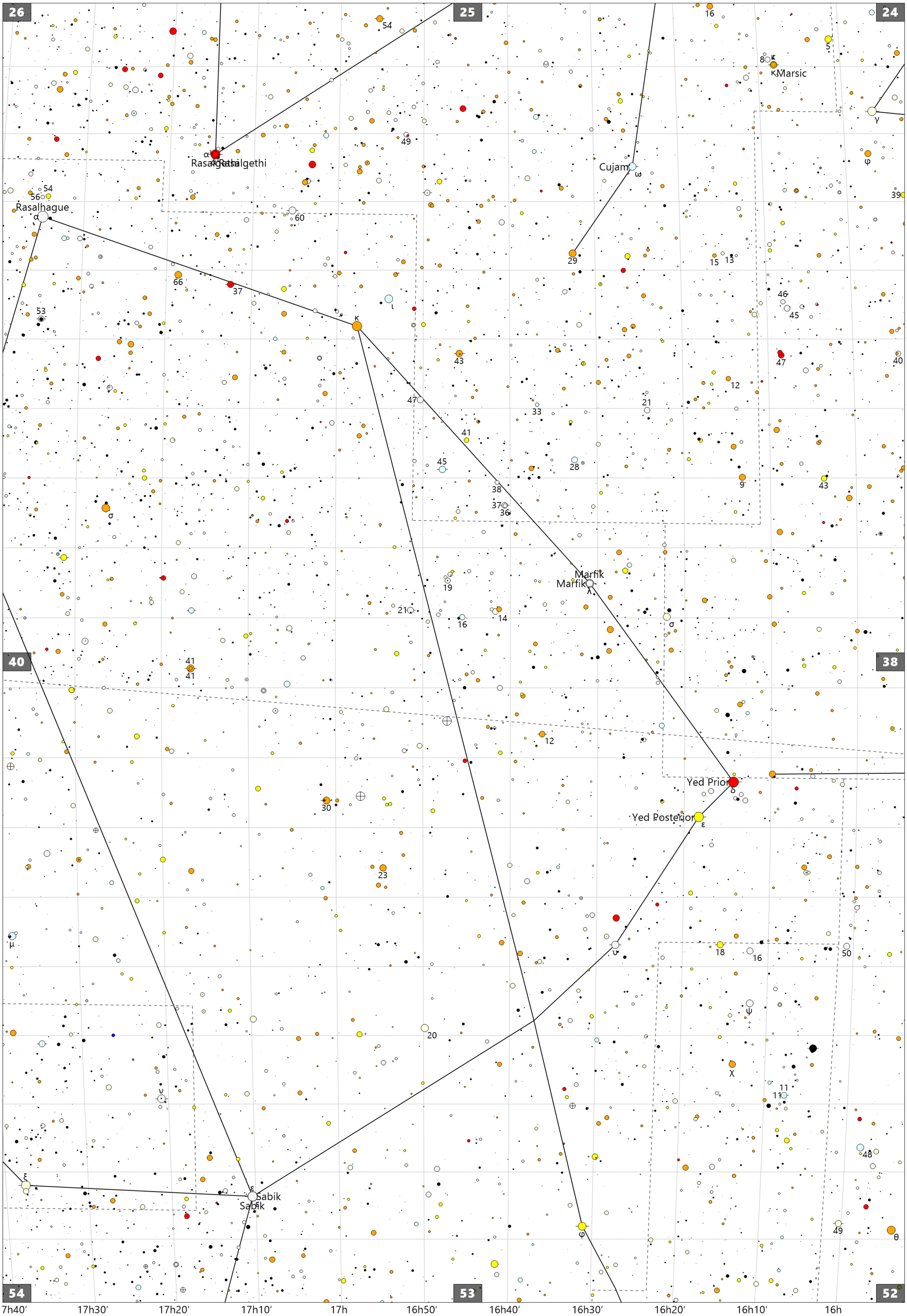
15h50′ 15h40′ 15h30′ 15h20′ 15h10′ 15h 14h50′ 14h40′ 14h30′ 14h20′ 14h10′

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 39

RA:15.73;17.82 DEC:18.90;-18.90



www.josefpirkl.com/pi_starsmaps.php

Chart 40

RA:17.52;19.60 DEC:18.90;-18.90

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

27 26 25

111 3 2 93 ε 10 11 Okab ζ 28 31 ω²ω¹ 18 19 22 72 71 Alya θ¹θ² 64 4 74 73 73 66 70 70 67 68 γ 61 Barnard's Star Cebalrai β 21 23 23 24 27 5 59 59 61 60 ε 8 7 14 15 26 12 ε β α ε δ ζ τ τ ν ο 20 υ ρ¹ ρ² 6

41 39

55 54 53

17° 15° 13° 11° 9° 7° 5° 3° 1° -1° -3° -5° -7° -9° -11° -13° -15° -17°

19h20′ 19h10′ 19h 18h50′ 18h40′ 18h30′ 18h20′ 18h10′ 18h 17h50′ 17h40′

www.josefpirkl.com/pi_starsmaps.php

Chart 41

RA:19.30;21.38 DEC:18.90;-18.90

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

28 27 26 42 40 56 55 54

17° 15° 13° 11° 9° 7° 5° 3° 1° -1° -3° -5° -7° -9° -11° -13° -15° -17°

21h10′ 21h 20h50′ 20h40′ 20h30′ 20h20′ 20h10′ 20h 19h50′ 19h40′ 19h30′

αSham β ε δ 9 13 15 10 11 p ζ γ² γ¹ δ 10 βRotanev θ ε 17 16 15 ι 11 κ Musica 18 γ 6 γ 14 2 2 13 13 4 3 εε 1 71 70 69 68 11 3 12 12 10 4 5 4 7 μ Albali ε ν 8 9 ττ 13 21 19 υ ρ ρ π π o o Algedi 3 α² ξ² ξ² Alshat ν 65 63 61 IC Barnard's Galaxy 54 55 ψ 46 χχ π π φ Tarazed γ ϱ Altair α Libertas ξ τ υ Alshain β μ σ ε 58 64 62 66 θ 45 ι 36 42 κ 57 57 56 51 37

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 42

RA:21.08;23.16 DEC:18.90;-18.90

29 28 27

43 41

57 56 55

Homam ζ Sadalmelik α Sadachbia γ Kitalpha α Situla κ Sadalsuud β Bunda ξ Deneb Algedi δ Enif ε Sadalsuud β Ancha θ

23h 22h50′ 22h40′ 22h30′ 22h20′ 22h10′ 22h 21h50′ 21h40′ 21h30′ 21h20′

17° 15° 13° 11° 9° 7° 5° 3° 1° -1° -3° -5° -7° -9° -11° -13° -15° -17°

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 43

RA:22.86;0.94 DEC:18.90;-18.90

16 29 28

Algenib

Fumalsamakah

30 42

44 57 56

0h40′ 0h30′ 0h20′ 0h10′ 0h 23h50′ 23h40′ 23h30′ 23h20′ 23h10′ 23h

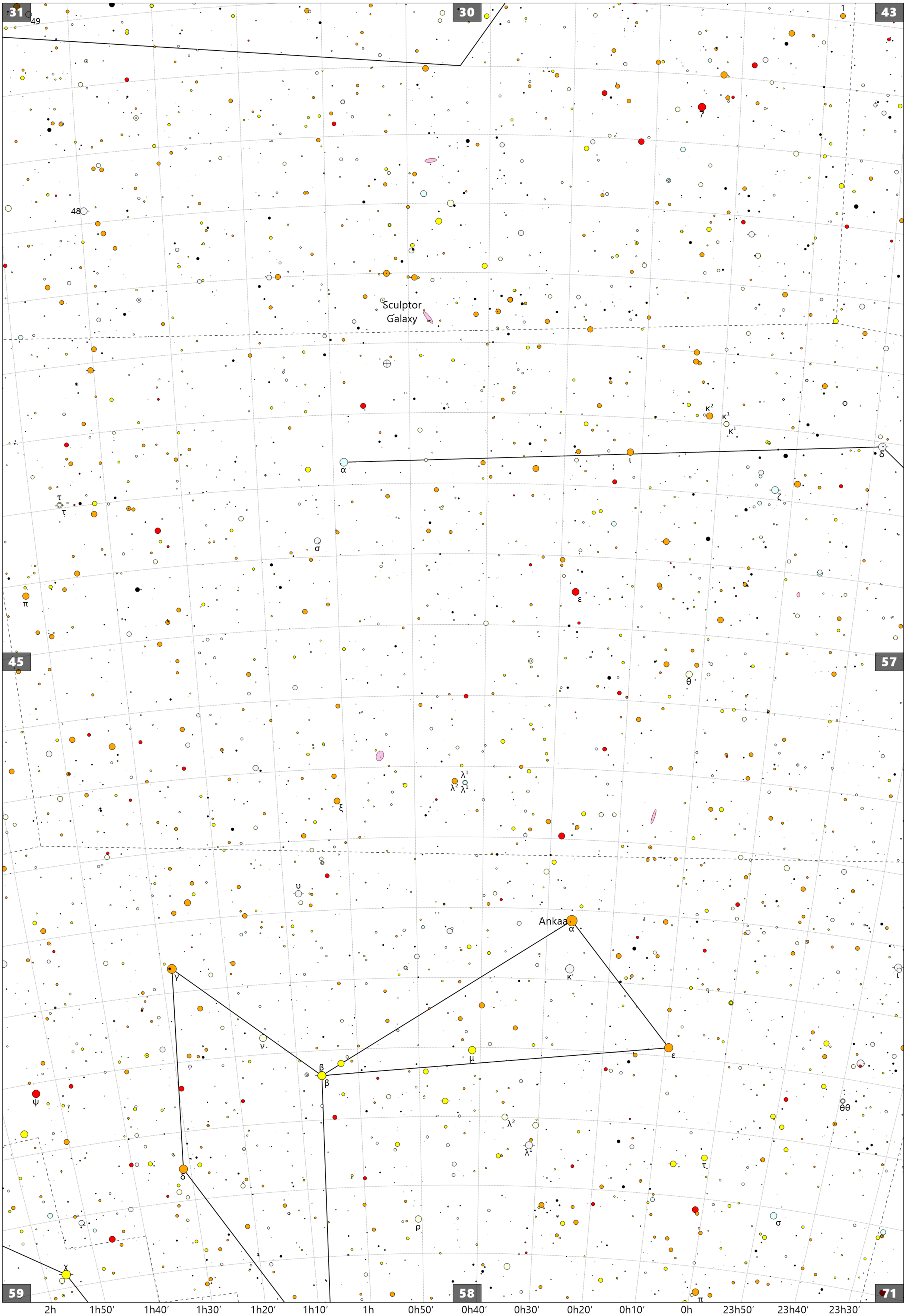
17° 15° 13° 11° 9° 7° 5° 3° 1° -1° -3° -5° -7° -9° -11° -13° -15° -17°

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 44

RA:23.70;1.78 DEC:-15.90;-53.70



www.josefpirkl.com/pi_starsmaps.php

Chart 45

RA:1.48;3.56 DEC:-15.90;-53.70

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

32 31 30 46 44 60 59 58

Angetenar τ¹ τ² τ⁴ 15 6 4 γ¹ ζ 57 υ 56 τ ε ε

Dalim α Dalim ε γ² ωω β ν ι² ι¹ μ π τ τ

Fornax A ψ χ² χ¹ χ³ ε³ ε² ε¹ λ² λ¹ φ

Acamar θ¹ θ² Acamar ι 82 G. Eri κ χ ψ φ γ δ

16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36° 38° 40° 42° 44° 46° 48° 50° 52°

3h50′ 3h40′ 3h30′ 3h20′ 3h10′ 3h 2h50′ 2h40′ 2h30′ 2h20′ 2h10′ 2h 1h50′ 1h40′ 1h30′ 1h20′ 1h10′

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 46

RA:3.26;5.34 DEC:-15.90;-53.70

33 32 31

60 59 58 54 20 ε 1 ζ υ¹ υ² Theemin Beemim 43 υ⁴ τ⁶ τ⁷ τ⁸ τ σ ρ δ

47 45

o γ¹ γ² γ³ β α δ Kapteyn's Star ε¹ ε² λ γ χ² χ³ χ¹ Fornax A 82 G. Eri

61 60 59

16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36° 38° 40° 42° 44° 46° 48° 50° 52°

5h40′ 5h30′ 5h20′ 5h10′ 5h 4h50′ 4h40′ 4h30′ 4h20′ 4h10′ 4h 3h50′ 3h40′ 3h30′ 3h20′ 3h10′ 3h

www.josefpirkl.com/pi_starsmaps.php

Chart 47

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

RA:5.04;7.13 DEC:-15.90;-53.70

34 33 32

Sirius α
Mirzam β
Arneb α
βNihal
γ 12
δ
ν³ ν³
ν² ν¹
19
17
π 17
12
ξ¹
o¹
ι
10
σ
ε Adhara
ζ Furud
ν¹
ν²
μ
λ
Phakt α
δ
κ
γ
β Wazn
ε
o
Elkurud θ
ξ
π² π¹
ν
γ¹ γ² γ³
τ
β
ζ
ε¹ ε²
Canopus α
Kapteyn's Star

48 46 62 61 60

16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36° 38° 40° 42° 44° 46° 48° 50° 52°

7h20′ 7h10′ 7h 6h50′ 6h40′ 6h30′ 6h20′ 6h10′ 6h 5h50′ 5h40′ 5h30′ 5h20′ 5h10′ 5h 4h50′

www.josefpirkl.com/pi_starsmaps.php

Chart 48

RA:6.83;8.91 DEC:-15.90;-53.70

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

35 34 33

49 47

63 62 61

Tureis
Azmidi
Wezen
Aludra
Unurgunite
Adhara
Naos

16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36° 38° 40° 42° 44° 46° 48° 50° 52°

9h10′ 9h 8h50′ 8h40′ 8h30′ 8h20′ 8h10′ 8h 7h50′ 7h40′ 7h30′ 7h20′ 7h10′ 7h 6h50′ 6h40′ 6h30′

www.josefpirkl.com/pi_starsmaps.php

Chart 49

RA:8.61;10.69 DEC:-15.90;-53.70

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

36 35 34

50 48

64 63 62

11h 10h50′ 10h40′ 10h30′ 10h20′ 10h10′ 10h 9h50′ 9h40′ 9h30′ 9h20′ 9h10′ 9h 8h50′ 8h40′ 8h30′ 8h20′

16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36° 38° 40° 42° 44° 46° 48° 50° 52°

Felis

Suhail

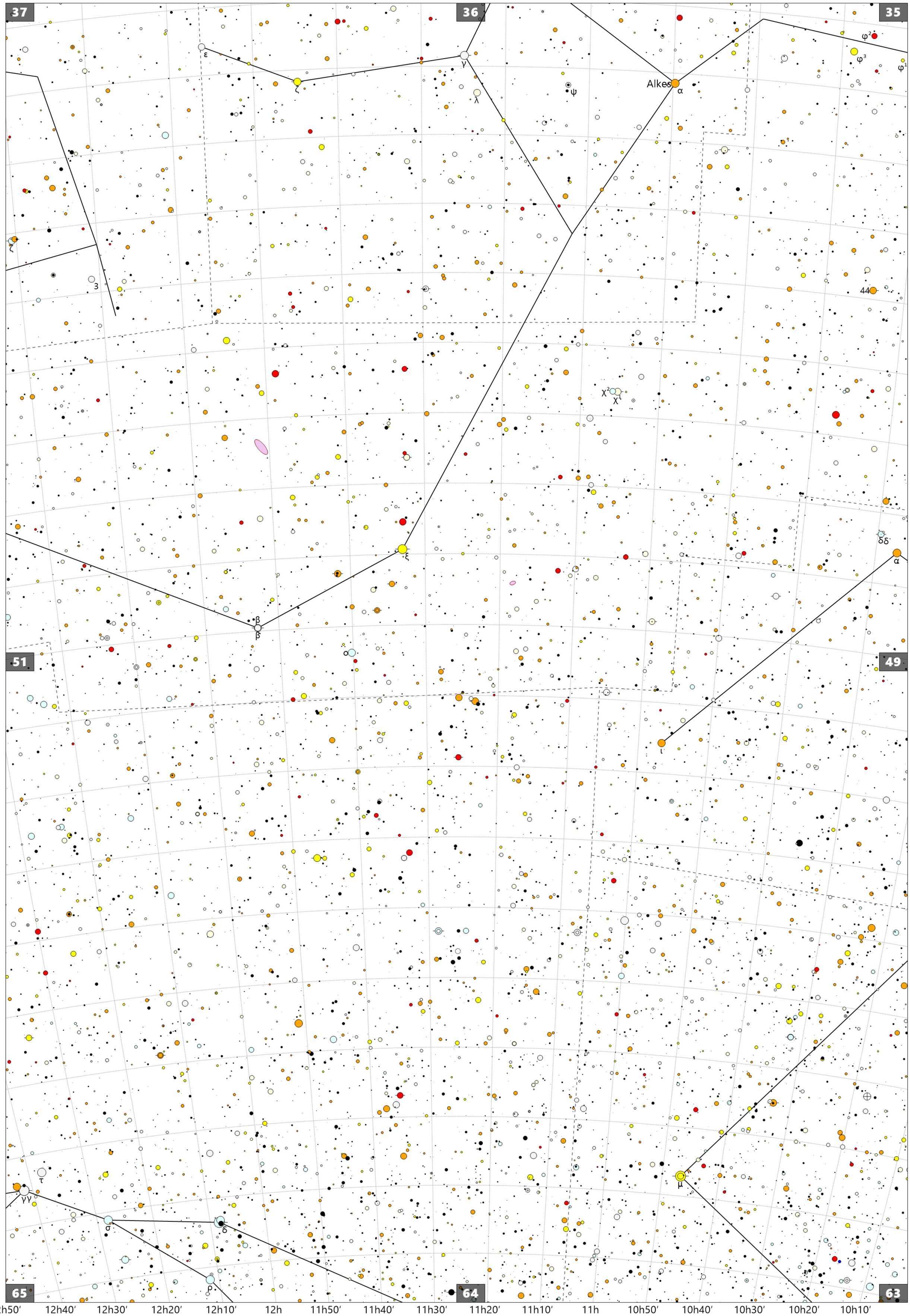
μ 44 θ κ δ γ λ ε ζζ ζ δδ α ε ε ψ α β λ μμ

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 50

RA:10.39;12.47 DEC:-15.90;-53.70



www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 51

RA:12.17;14.25 DEC:-15.90;-53.70

38 37 36

69 83 63 87 89 61 73 54 54 57 55

Algorab ε δ ζ

γ ψ

48 6

π

M83 Southern Pinwheel Galaxy

44 33 1 2

52 50

Menkent θ

χ φ ν μ ι

Hamburger Galaxy

υ υ² ι

ζ² ξ¹ ξ² τ γ σ ρ σ

66 65 64

16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36° 38° 40° 42° 44° 46° 48° 50° 52°

14h30′ 14h20′ 14h10′ 14h 13h50′ 13h40′ 13h30′ 13h20′ 13h10′ 13h 12h50′ 12h40′ 12h30′ 12h20′ 12h10′ 12h 11h50′

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 52

RA:13.95;16.03 DEC:-15.90;-53.70

39 38 37 53 51 67 66 65

Brachium

Menkent

16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36° 38° 40° 42° 44° 46° 48° 50° 52°

16h20′ 16h10′ 16h 15h50′ 15h40′ 15h30′ 15h20′ 15h10′ 15h 14h50′ 14h40′ 14h30′ 14h20′ 14h10′ 14h 13h50′ 13h40′

www.josefpirkl.com/pi_starsmaps.php

Chart 53

RA:15.73;17.82 DEC:-15.90;-53.70

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

40 39 38 54 52 68 67 66

Sabik 29 52 50 51 44 ο ξ θ 43 45 24 24 22 15 φ ψ 49 θ Jabbah Jabbah νν Graffias β¹ 47 47 ω² 22 25 26 28 31 Guniibuu Guniibuu 36 36 Alniyat σ Antares α Paikauhale τ 13 12 12 Fang π 4 3 22 1 Rklil 27 Larawag ε Shaula λ υLesath κ Sargas Sargas θθ Pipirima μ¹ ζ² ζ¹ ε θ ω μ σ ι δ ε γ² γ¹ θ λ α κ Cervantes μ

16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36° 38° 40° 42° 44° 46° 48° 50° 52°

18h10′ 18h 17h50′ 17h40′ 17h30′ 17h20′ 17h10′ 17h 16h50′ 16h40′ 16h30′ 16h20′ 16h10′ 16h 15h50′ 15h40′ 15h30′

www.josefpirkl.com/pi_starsmaps.php

Chart 54

RA:17.52;19.60 DEC:-15.90;-53.70

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

41 40 39 55 53 69 68 67

Albaldah Ainalrami Polis Kaus Borealis Nunki Kaus Meridionalis Nash Kaus Australis Meridiana Rukbat Arkab Prior Arkab Posterior Fuyue Sargas Cervantes

16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36° 38° 40° 42° 44° 46° 48° 50° 52°

19h50′ 19h40′ 19h30′ 19h20′ 19h10′ 19h 18h50′ 18h40′ 18h30′ 18h20′ 18h10′ 18h 17h50′ 17h40′ 17h30′ 17h20′ 17h10′

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 55

RA:19.30;21.38 DEC:-15.90;-53.70

42 41 40 56 54 70 69 68

16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36° 38° 40° 42° 44° 46° 48° 50° 52°

21h40′ 21h30′ 21h20′ 21h10′ 21h 20h50′ 20h40′ 20h30′ 20h20′ 20h10′ 20h 19h50′ 19h40′ 19h30′ 19h20′ 19h10′ 19h

21 19 20 26 27 χ 17 υ ρ ρ π π o o o σ 4 55 54 57 56 50 53 χ³ χ χ 51 52 24 ω 60 Terebellum ω 62 δ γ ε β α θ² θ¹ ε ζ K² K¹ K² ι ν ι ι α ζ ε ξ θ² θ¹ ι Rukbat α Arkab Prior β¹ Arkab Posterior β²

www.josefpirkl.com/pi_starsmaps.php

Chart 56

RA:21.08;23.16 DEC:-15.90;-53.70

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

43 42 41 57 55 71 70 69

Fomalhaut

Tiaki

Alnair

γAldhanab

16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36° 38° 40° 42° 44° 46° 48° 50° 52°

23h30′ 23h20′ 23h10′ 23h 22h50′ 22h40′ 22h30′ 22h20′ 22h10′ 22h 21h50′ 21h40′ 21h30′ 21h20′ 21h10′ 21h 20h50′

www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 57

RA:22.86;0.94 DEC:-15.90;-53.70

30 43 42 44 56 58 71 70

16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36° 38° 40° 42° 44° 46° 48° 50° 52°

1h10′ 1h 0h50′ 0h40′ 0h30′ 0h20′ 0h10′ 0h 23h50′ 23h40′ 23h30′ 23h20′ 23h10′ 23h 22h50′ 22h40′ 22h30′

104 103 107 107 101 101 99 100 7

ptor axy

κ² κ¹ κ¹ ι ζ δ μ γ ε Fomalhaut α δ θ π β λ¹ λ² λ¹ υυ φ ι Ankaa α κ α ε μ β λ² λ¹ τ σ ρ θθ θ θ τ³ τ¹ Tiaki β ε ζ π ο

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0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 58

RA:23.70;1.78 DEC:-50.70;-87.00

45 44 57 59 71 72 72 72

-50° -52° -54° -56° -58° -60° -62° -64° -66° -68° -70° -72° -74° -76°

5h40′ 5h30′ 5h20′ 5h10′ 5h 4h50′ 4h40′ 4h30′ 4h20′ 4h10′ 4h 3h50′ 3h40′ 3h30′ 3h20′ 3h10′ 3h 2h50′ 2h40′ 2h30′ 2h20′ 2h10′ 2h 1h50′ 1h40′ 1h30′ 1h20′ 1h10′ 1h 0h50′ 0h40′ 0h30′ 0h20′ 0h10′ 0h 23h50′ 23h40′ 23h30′ 23h20′ 23h10′ 23h 22h50′ 22h40′ 22h30′ 22h20′ 22h10′ 22h 21h50′ 21h40′ 21h30′ 21h20′ 21h10′ 21h 20h50′ 20h40′ 20h30′ 20h20′ 20h10′ 20h 19h50′

χ Wurren p Eridani p Eridani Achernar α ω ξ ε π o γ ι β¹ β² ζ ε ρ ε² ε¹ π² π¹ κ κ λ² λ¹ π ζ ε δ θ κ λ Small Magellanic Cloud ρ ν β θ ν γ σ τ¹ τ² μ ι ψ ξ ε α β γ³ γ² γ¹ λλ

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Chart 59

RA:1.48;3.56 DEC:-50.70;-87.00

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

46 45 44 60 58 72 72 72

-50° -52° -54° -56° -58° -60° -62° -64° -66° -68° -70° -72° -74° -76°

7h30′ 7h20′ 7h10′ 7h 6h50′ 6h40′ 6h30′ 6h20′ 6h10′ 6h 5h50′ 5h40′ 5h30′ 5h20′ 5h10′ 5h 4h50′ 4h40′ 4h30′ 4h20′ 4h10′ 4h 3h50′ 3h40′ 3h30′ 3h20′ 3h10′ 3h 2h50′ 2h40′ 2h30′ 2h20′ 2h10′ 2h 1h50′ 1h40′ 1h30′ 1h20′ 1h10′ 1h 0h50′ 0h40′ 0h30′ 0h20′ 0h10′ 0h 23h50′ 23h40′ 23h30′ 23h20′ 23h10′ 23h 22h50′ 22h40′ 22h30′ 22h20′ 22h10′ 22h 21h50′ 21h40′ 21h30′

p Eridani
p Eridani
Achernar
Wurren
Small Magellanic Cloud

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Chart 60

RA:3.26;5.34 DEC:-50.70;-87.00

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

47 46 45 61 59 72 72 72

-50° -52° -54° -56° -58° -60° -62° -64° -66° -68° -70° -72° -74° -76°

9h10′ 9h 8h50′ 8h40′ 8h30′ 8h20′ 8h10′ 0h 23h50′ 23h40′ 23h30′ 23h20′

Large Magellanic Cloud

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Chart 61

RA:5.04;7.13 DEC:-50.70;-87.00

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

48 47 46 62 60 72 72 72

-50° -52° -54° -56° -58° -60° -62° -64° -66° -68° -70° -72° -74° -76°

11h 10h50′ 10h40′ 10h30′ 10h20′ 10h10′ 10h00′ 9h50′ 9h40′ 9h30′ 2h50′ 2h40′ 2h30′ 2h20′ 2h10′ 2h00′ 1h50′ 1h40′ 1h30′ 1h20′ 1h10′

Canopus α

Large Magellanic Cloud

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Chart 62

RA:6.83;8.91 DEC:-50.70;-87.00

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

49° 48° 47°

-50° -52° -54° -56° -58° -60° -62° -64° -66° -68° -70° -72° -74° -76°

63 61 72 72 72

Alsephina δ
Avior ε
χ
τ
μ
α
β
υυ
ε
δ
9 ε² ε¹
Miaplacidus β
θ
κ² κ¹
ζ
γ γ²
ι
π² π¹
ν
ε
ω
α
θ
ν
ε ε
γ
δ¹ δ² μ² μ¹
ι
ζ
κ
ε ε
β
ε
ζ
ξ
ν
δ
ι
λ
α

12h50′ 12h40′ 12h30′ 12h20′ 12h10′ 12h 11h50′ 11h40′ 11h30′ 11h20′ 11h10′ 4h 3h50′ 3h40′ 3h30′ 3h20′ 3h10′ 3h

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Chart 63

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

RA:8.61;10.69 DEC:-50.70;-87.00

50 49 48

64 62

72 72 72

-50° -52° -54° -56° -58° -60° -62° -64° -66° -68° -70° -72° -74° -76°

14h40′ 14h30′ 14h20′ 14h10′ 14h 13h50′ 5h40′ 5h30′ 5h20′ 5h10′ 5h 4h50′ 4h40′

Markeb
Alsephina
Avior
Miaplacidus

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Chart 64

RA:10.39;12.47 DEC:-50.70;-87.00

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

51 50 49 65 63 72 72

σ δ ρ π

Gacrux γ

Imai δ

μ μ²

λ Becrux β

ε Ginan

κ ι

Acrux α α¹

θ θ¹ ζ ε

o¹ o²

λ

μ λ

θθ

ζ² ζ¹ ε

β β α γ δ

ε

ω

Miaplacidus β

π

ι² ι¹

κ

ε ε ε

ν

γ

β

δ¹ δ² δ¹

θ

α

ε

μ² ζ ι

μ¹

ε

θ

π²π³

δ

ι

ζ

50° 52° 54° 56° 58° 60° 62° 64° 66° 68° 70° 72° 74° 76°

16h20′ 16h10′ 16h 15h50′ 15h40′ 15h30′ 15h20′ 15h10′ 15h 14h50′ 14h40′ 14h30′ 14h20′ 14h10′ 14h 13h50′ 13h40′ 13h30′ 13h20′ 13h10′ 13h 12h50′ 12h40′ 12h30′ 12h20′ 12h10′ 12h 11h50′ 11h40′ 11h30′ 11h20′ 11h10′ 11h 10h50′ 10h40′ 10h30′ 10h20′ 10h10′ 10h 9h50′ 9h40′ 9h30′ 9h20′ 9h10′ 9h 8h50′ 8h40′ 8h30′ 8h20′ 8h10′ 8h 7h50′ 7h40′ 7h30′ 7h20′ 7h10′ 7h 6h50′ 6h40′ 6h30′

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Chart 65

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

RA:12.17;14.25 DEC:-50.70;-87.00

52 51 50

-50° -52° -54° -56° -58° -60° -62° -64° -66° -68° -70° -72° -74° -76°

66 64

72 72

18h10′ 18h 17h50′ 17h40′ 17h30′ 17h20′ 17h10′ 17h 16h50′ 16h40′ 16h30′ 16h20′ 9h20′ 9h10′ 9h 8h50′ 8h40′ 8h30′ 8h20′

Gacrux Imai Becrux Ginan Acrux Hadar Rigil Kentaurus Toliman

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0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 66

RA:13.95;16.03 DEC:-50.70;-87.00

53 52 51 67 65 72 72

-50° -52° -54° -56° -58° -60° -62° -64° -66° -68° -70° -72° -74° -76°

Tolimar
Rigil Kentaurus
Hadar
Hadar
Atria

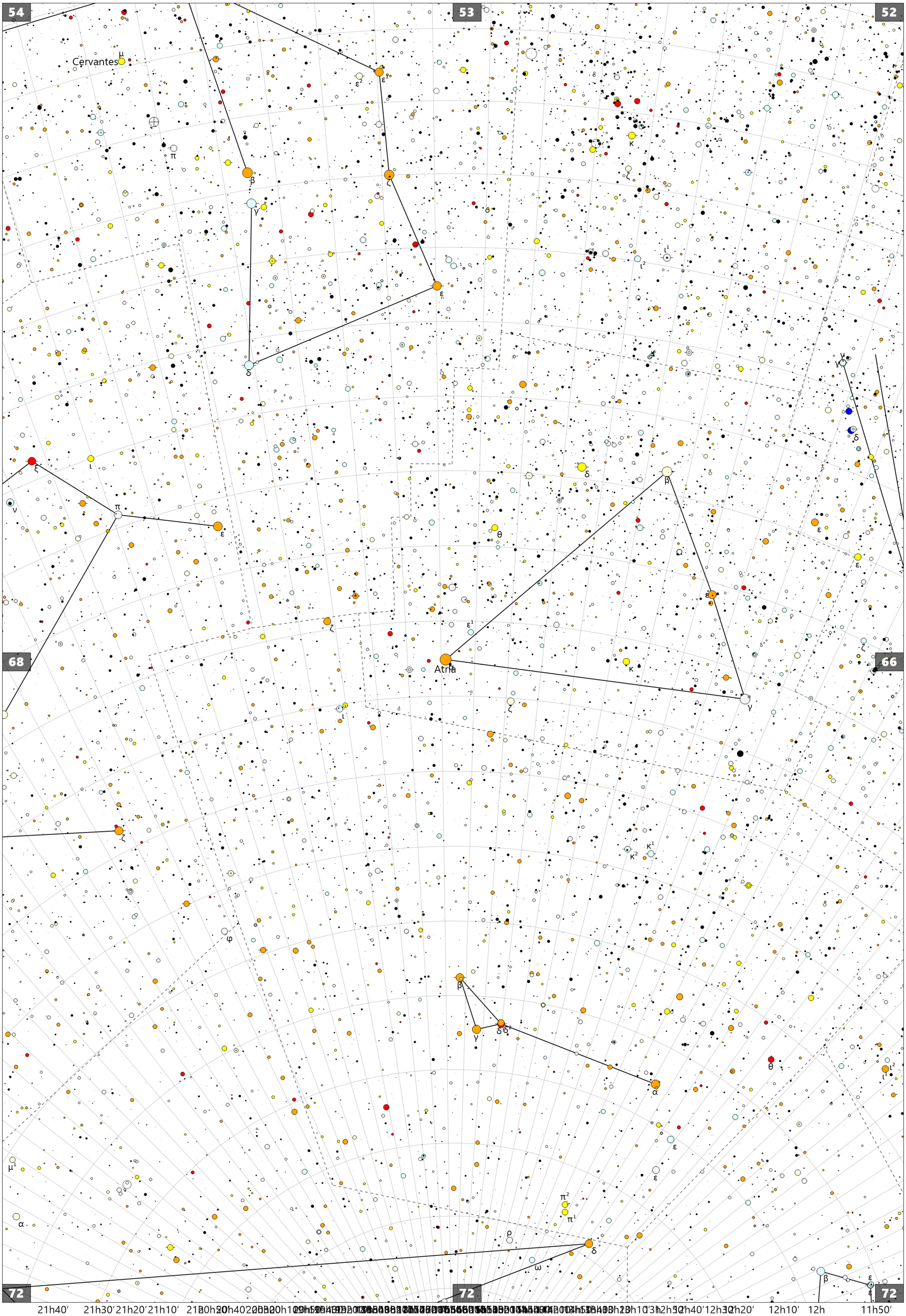
20h 19h50′ 19h40′ 19h30′ 19h20′ 19h10′ 10h50′ 10h40′ 10h30′ 10h20′ 10h10′ 10h

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0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 67

RA:15.73;17.82 DEC:-50.70;-87.00

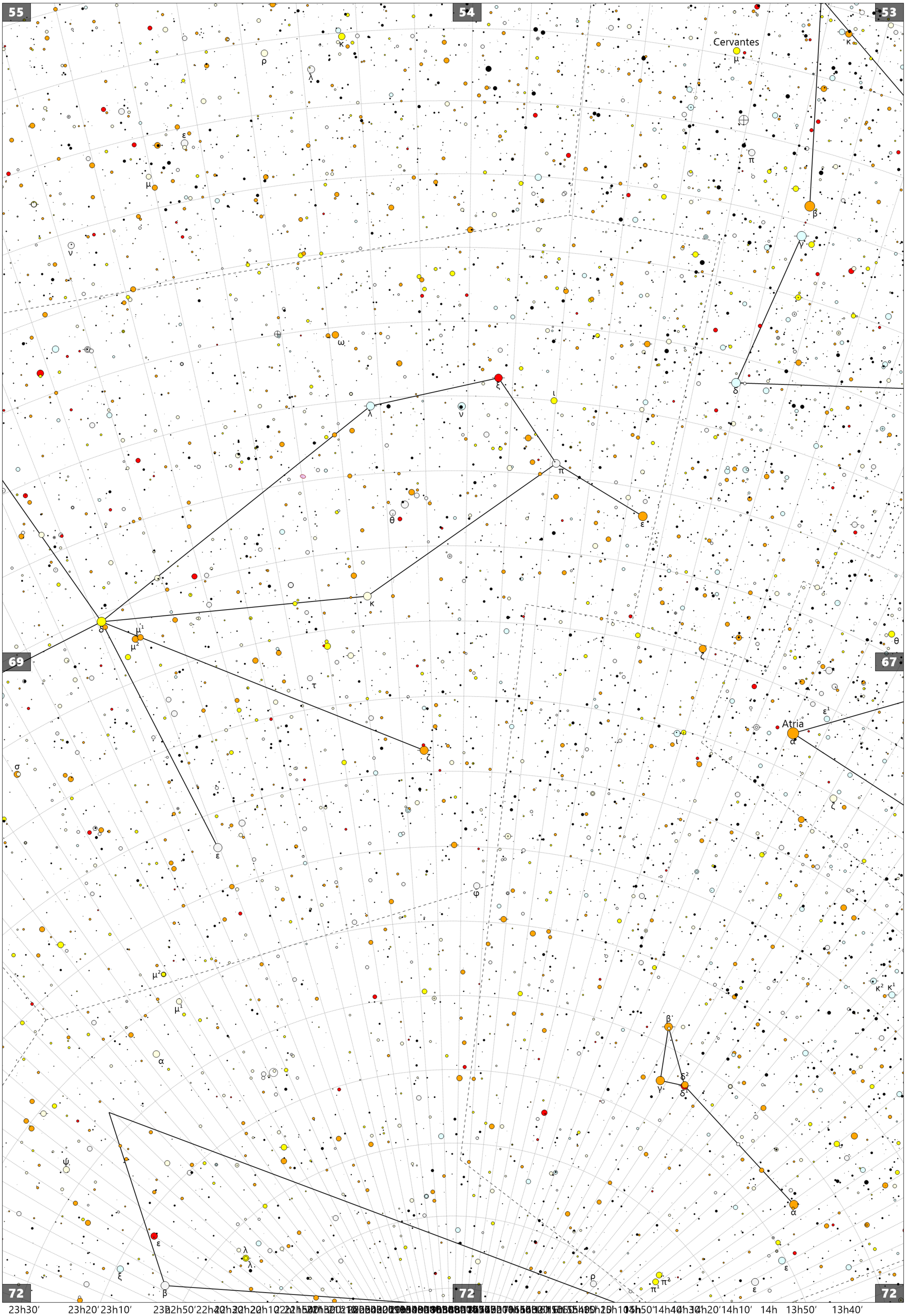


www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 68

RA:17.52;19.60 DEC:-50.70;-87.00

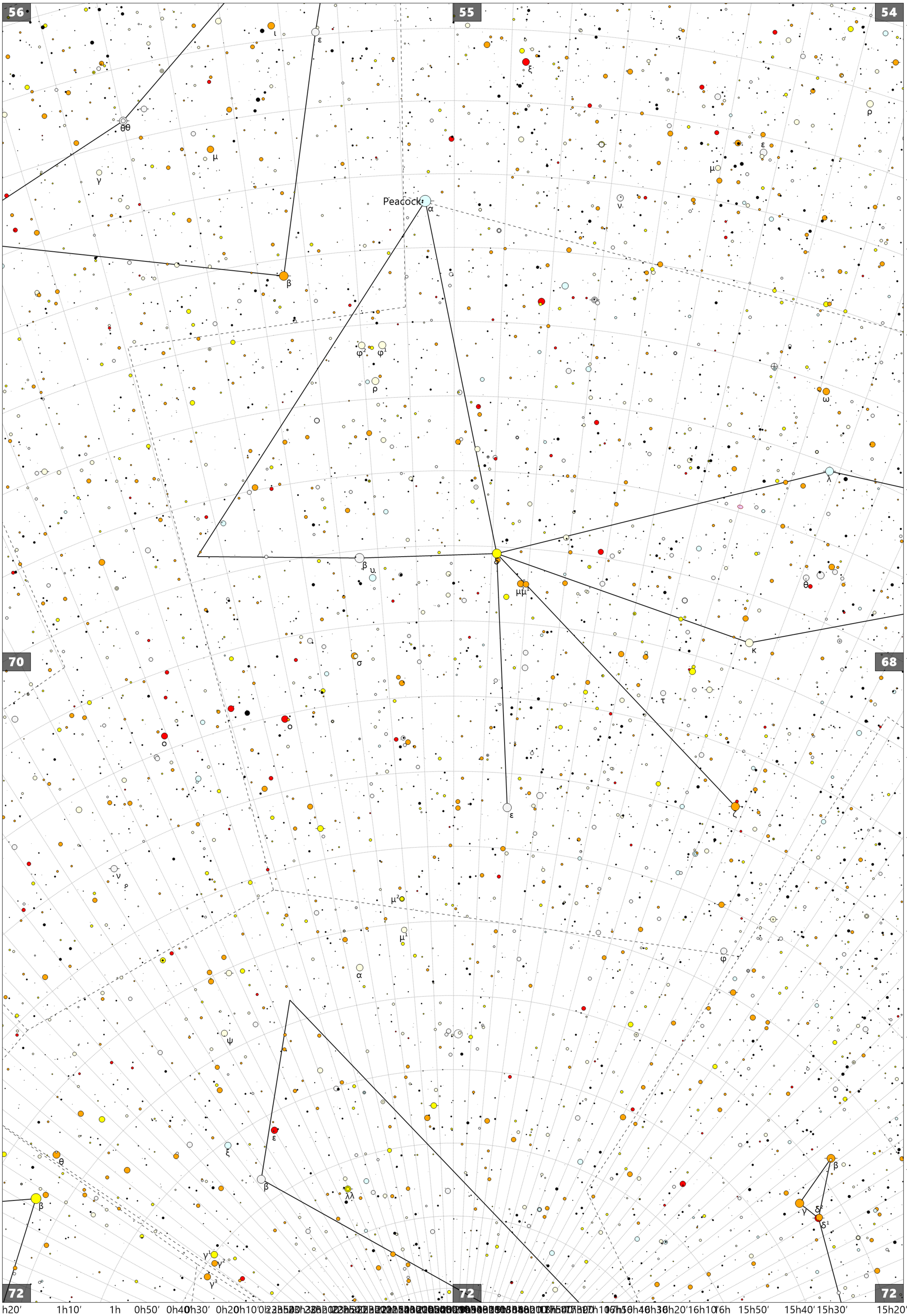


www.josefpirkl.com/pi_starsmaps.php

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 69

RA:19.30;21.38 DEC:-50.70;-87.00



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Chart 70

RA:21.08;23.16 DEC:-50.70;-87.00

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

57 56 55 71 69 72 72

-50° -52° -54° -56° -58° -60° -62° -64° -66° -68° -70° -72° -74° -76°

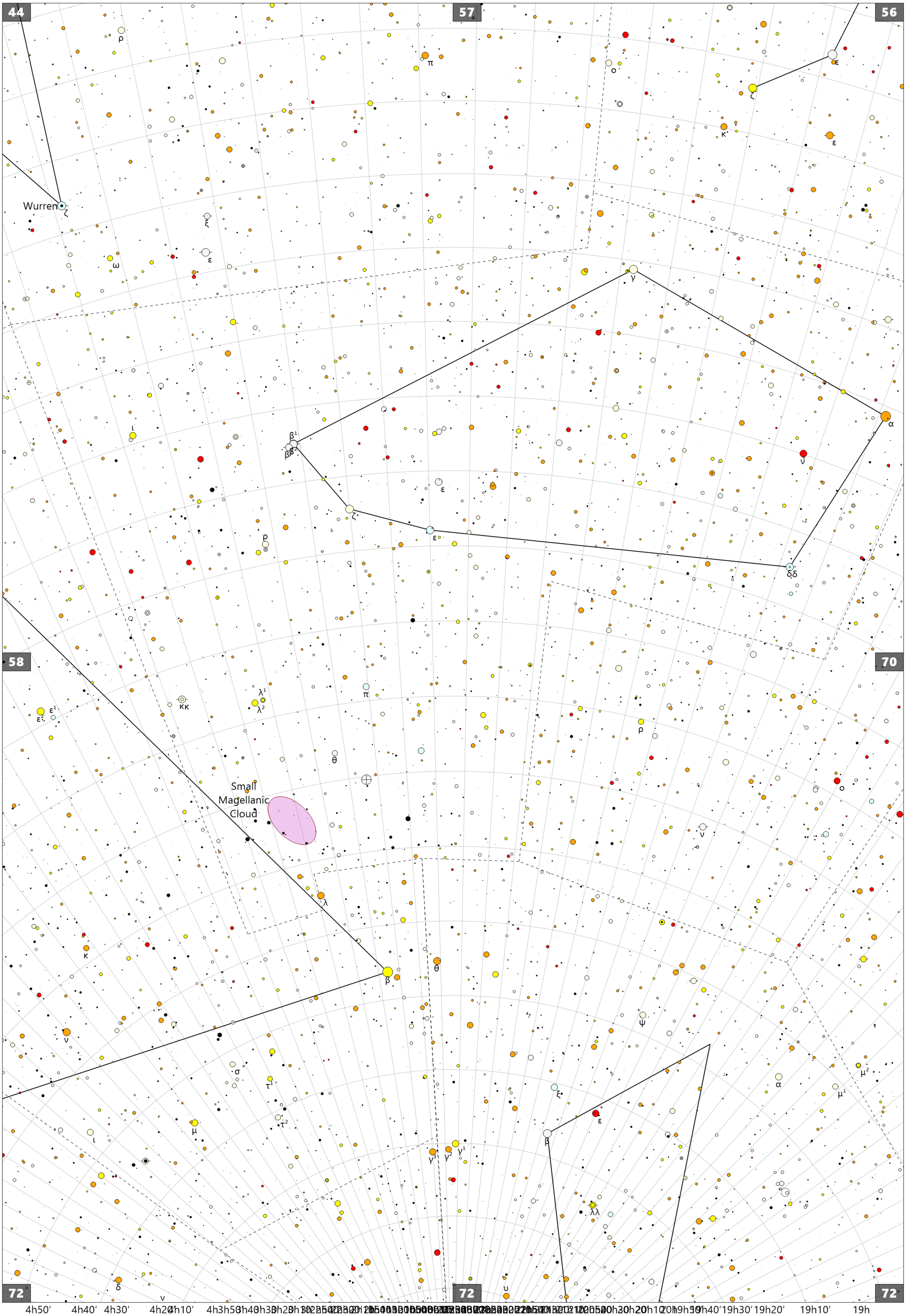
3h 2h50′ 2h40′ 2h30′ 2h20′ 2h10′ 2h 1h50′ 1h40′ 1h30′ 1h20′ 1h10′ 1h 50′ 40′ 30′ 20′ 10′ 18h 17h50′ 17h40′ 17h30′ 17h20′ 17h10′

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Chart 71

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

RA:22.86;0.94 DEC:-50.70;-87.00



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Chart 72

RA:0.00;24.00 DEC:-90.00;-77.00

0 1 2 3 4 5 6 7 8 9 GX GC OC NB

15h 9h 16h 8h 17h 7h 18h 6h 19h 5h 85° 20h 4h 21h 3h 22h 23h 0h 1h 2h

δ ε ι1 κ ω ζ χ Polaris Australis σ τ υ λ

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