

PI StarsMaps

Release R2 - February 21, 2020.

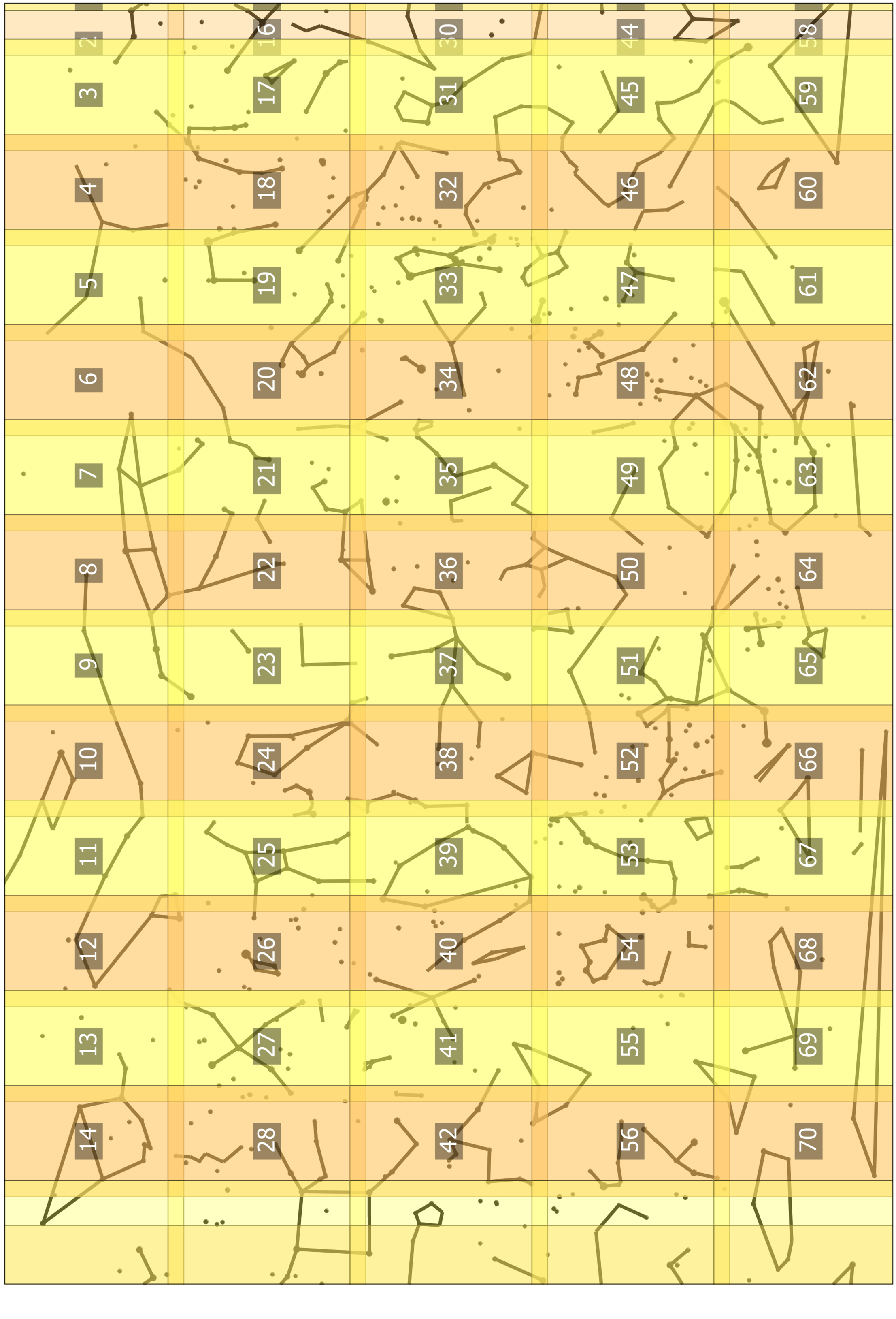
C) Josef Pirkl 2019-2020 (pirkljosef@gmail.com)

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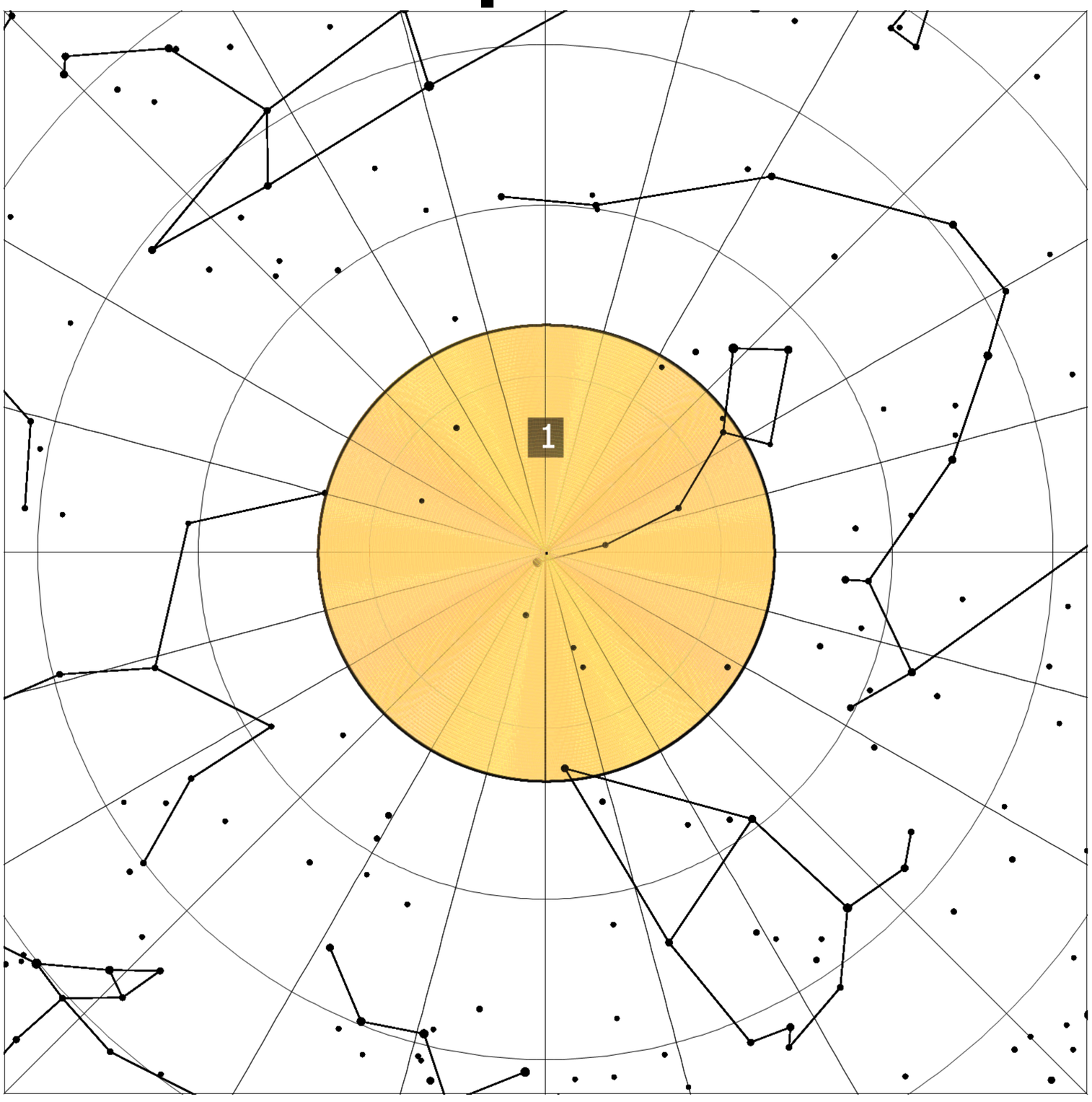
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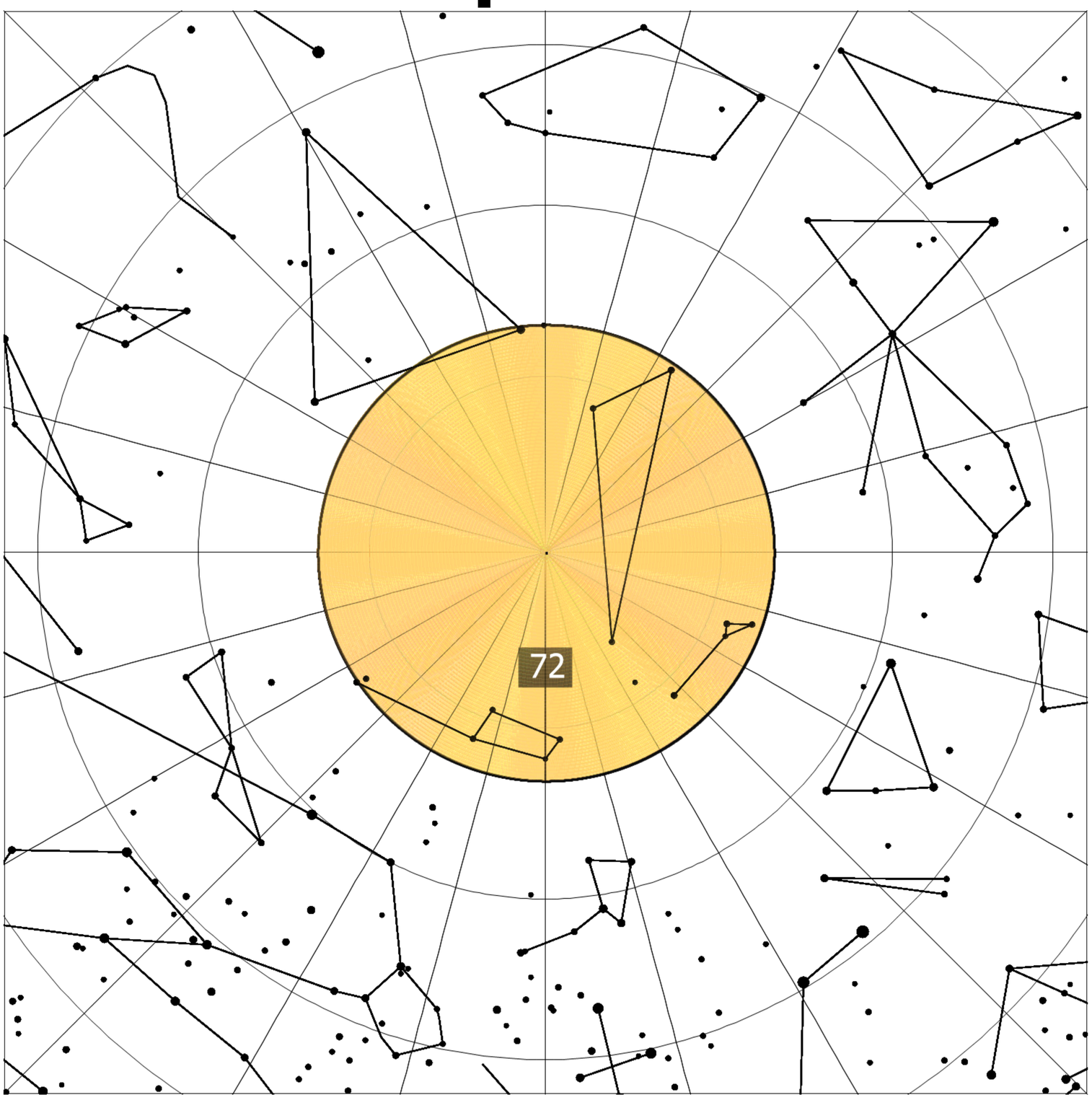
OVERVIEW MAP - OVERALL



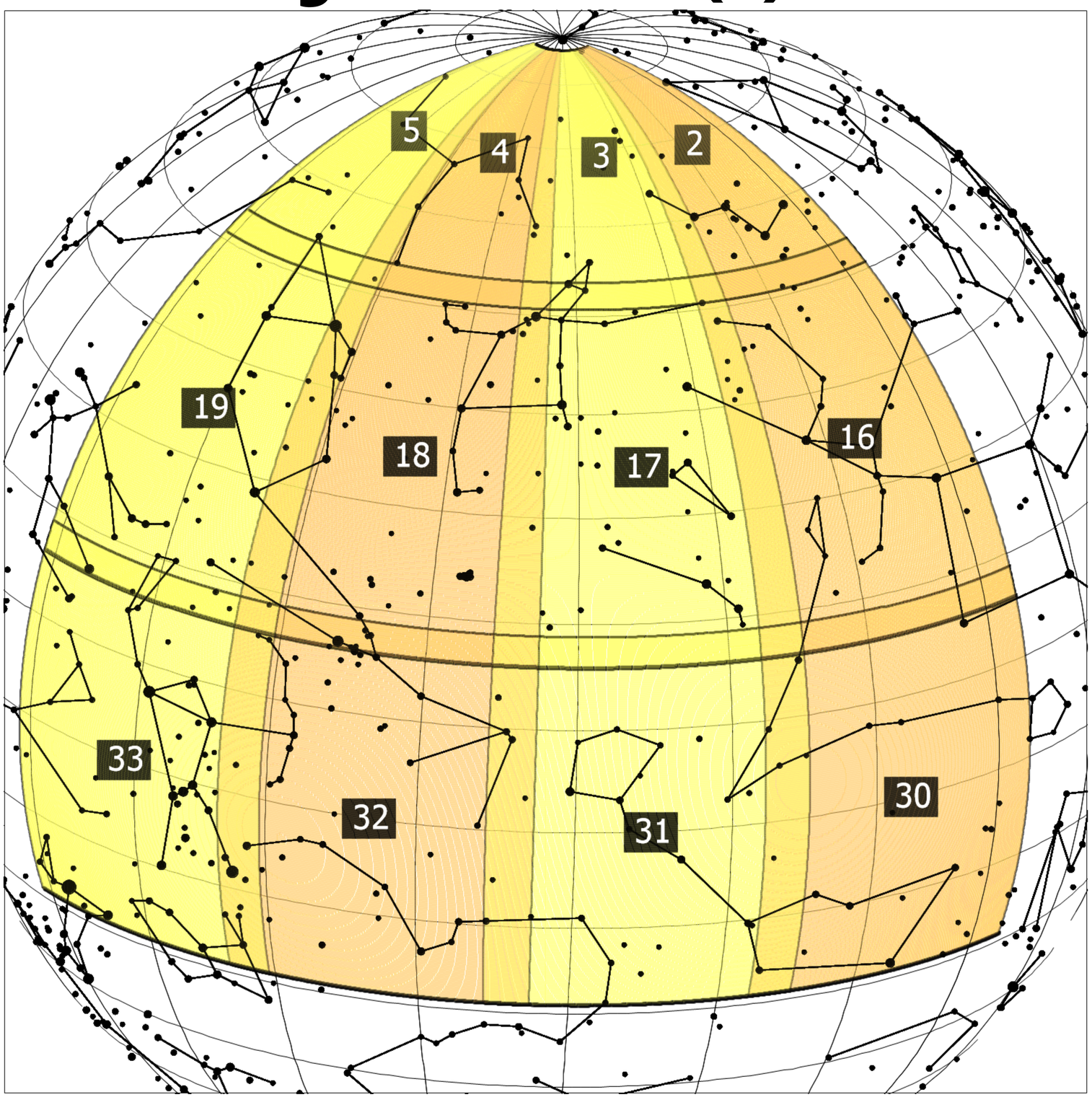
Northern Hemisphere



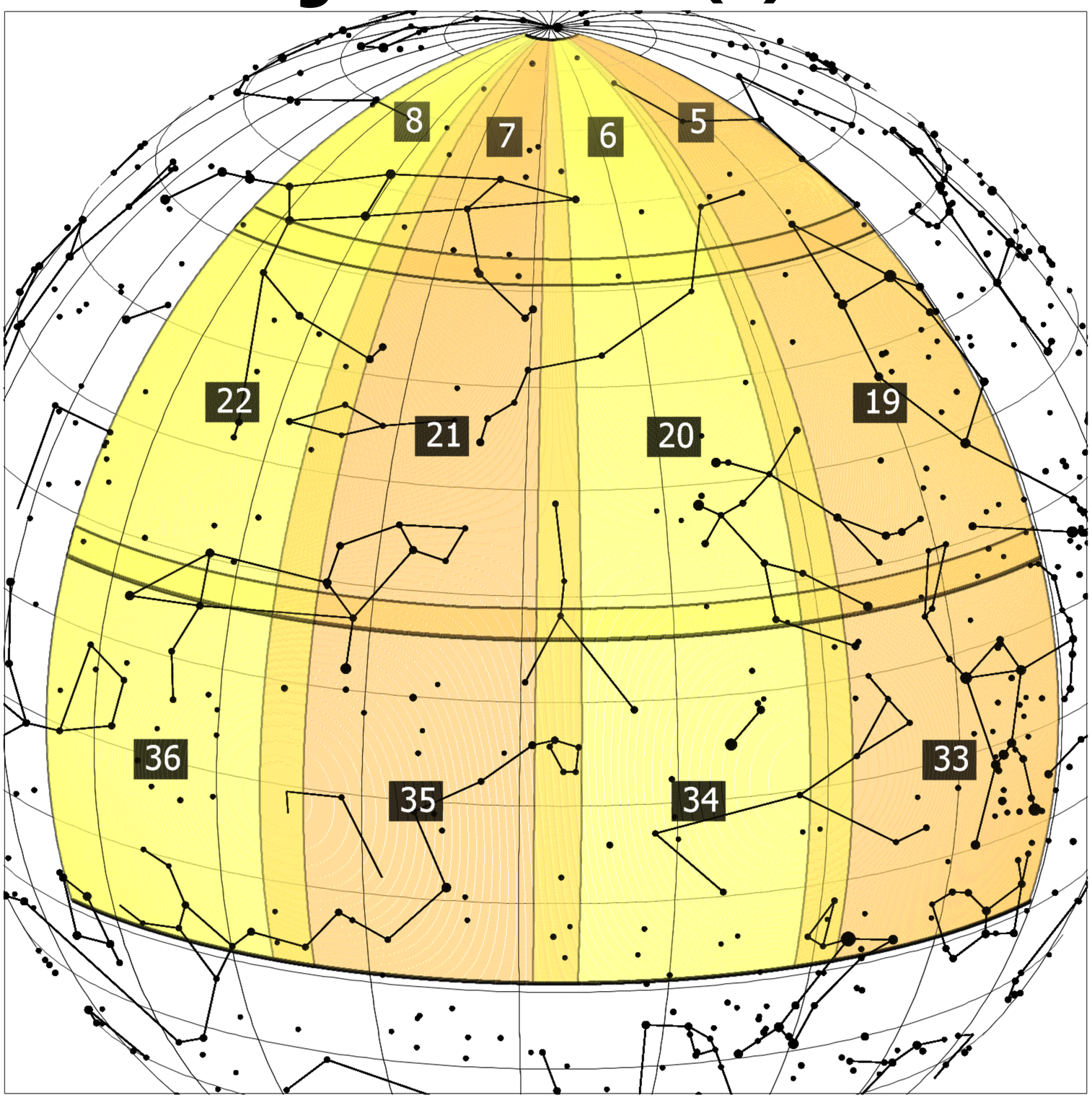
Southern Hemisphere



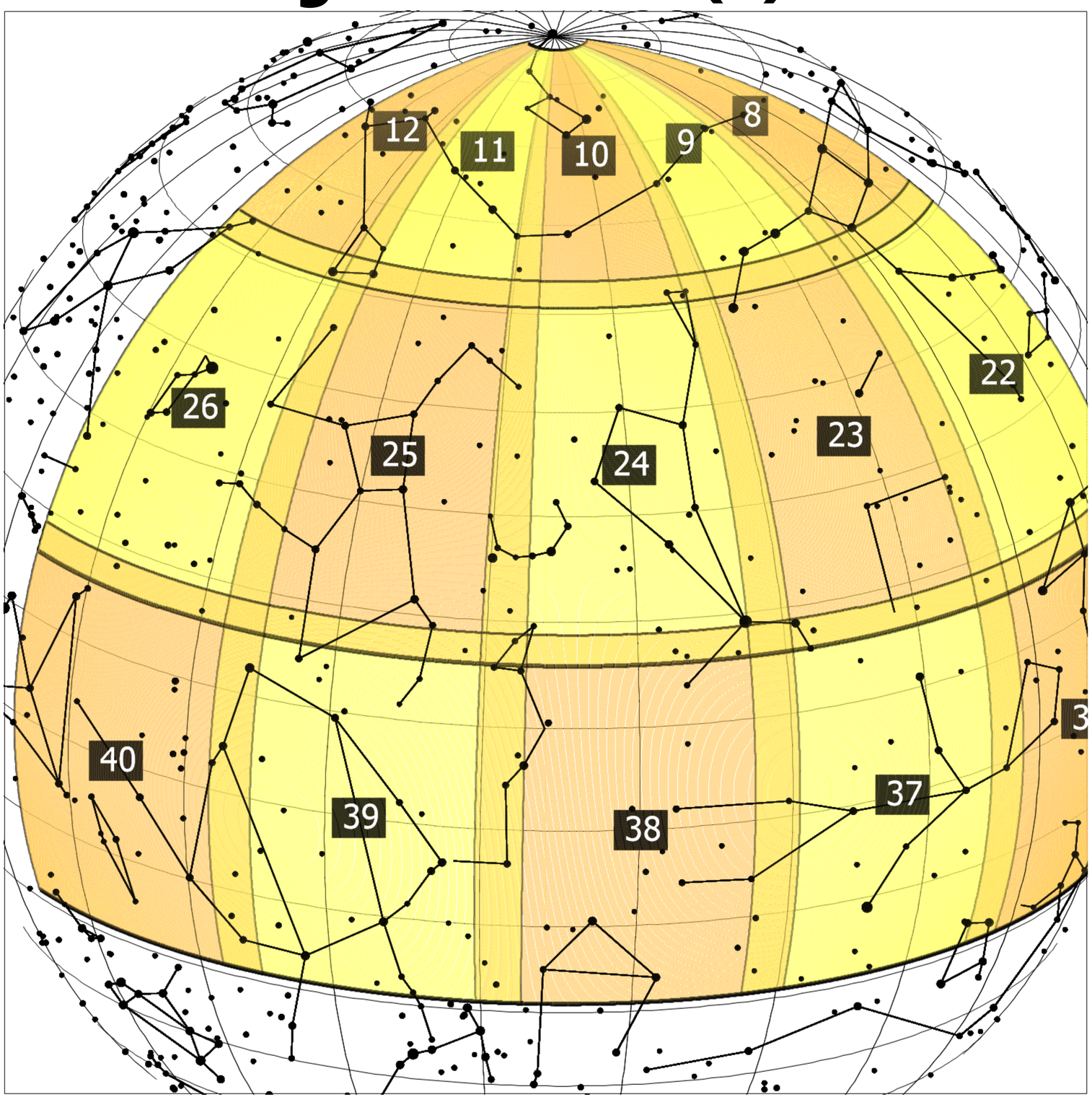
North - Right ascension(α) 1 to 6



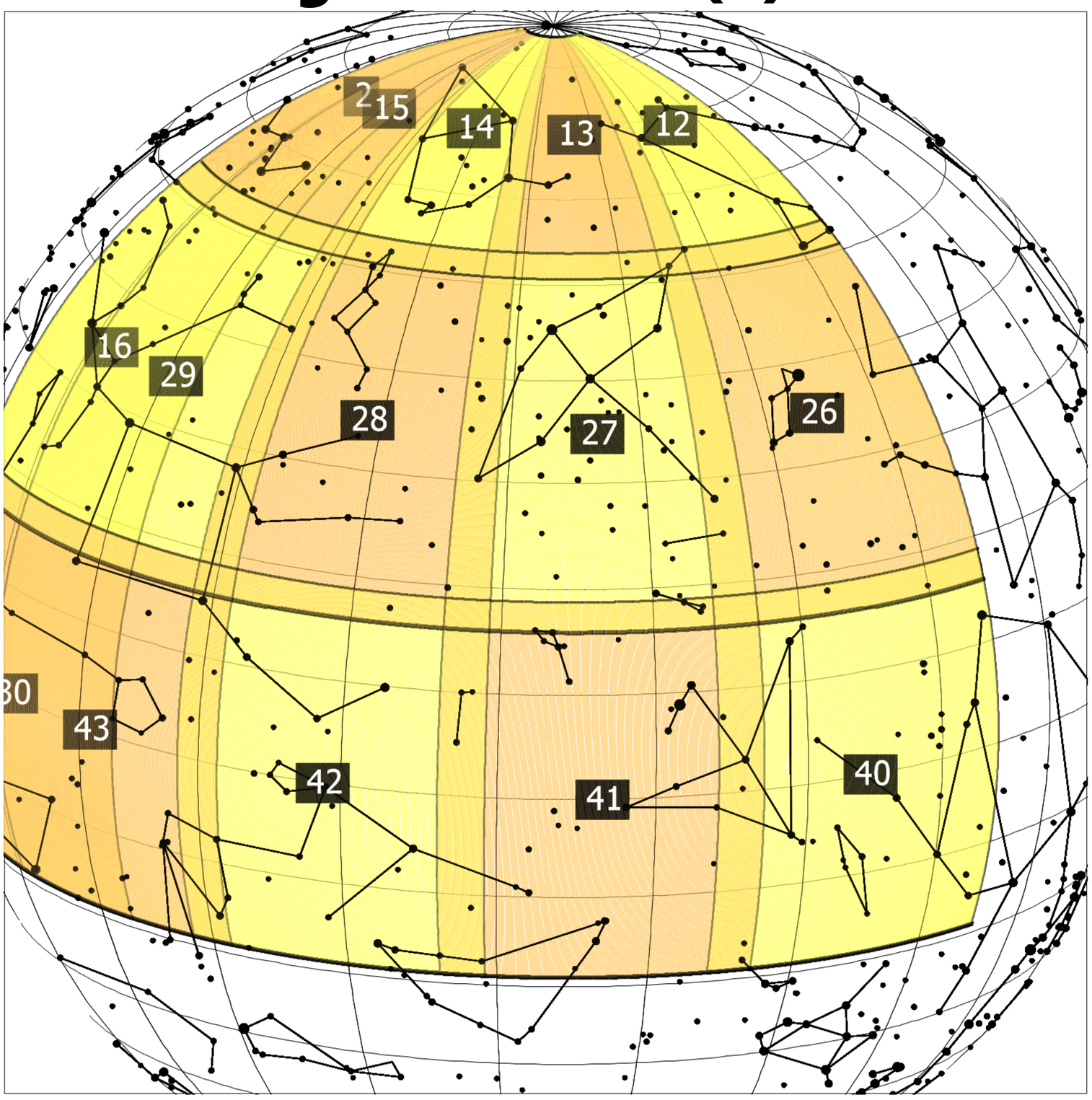
North - Right ascension(α) 6 to 12



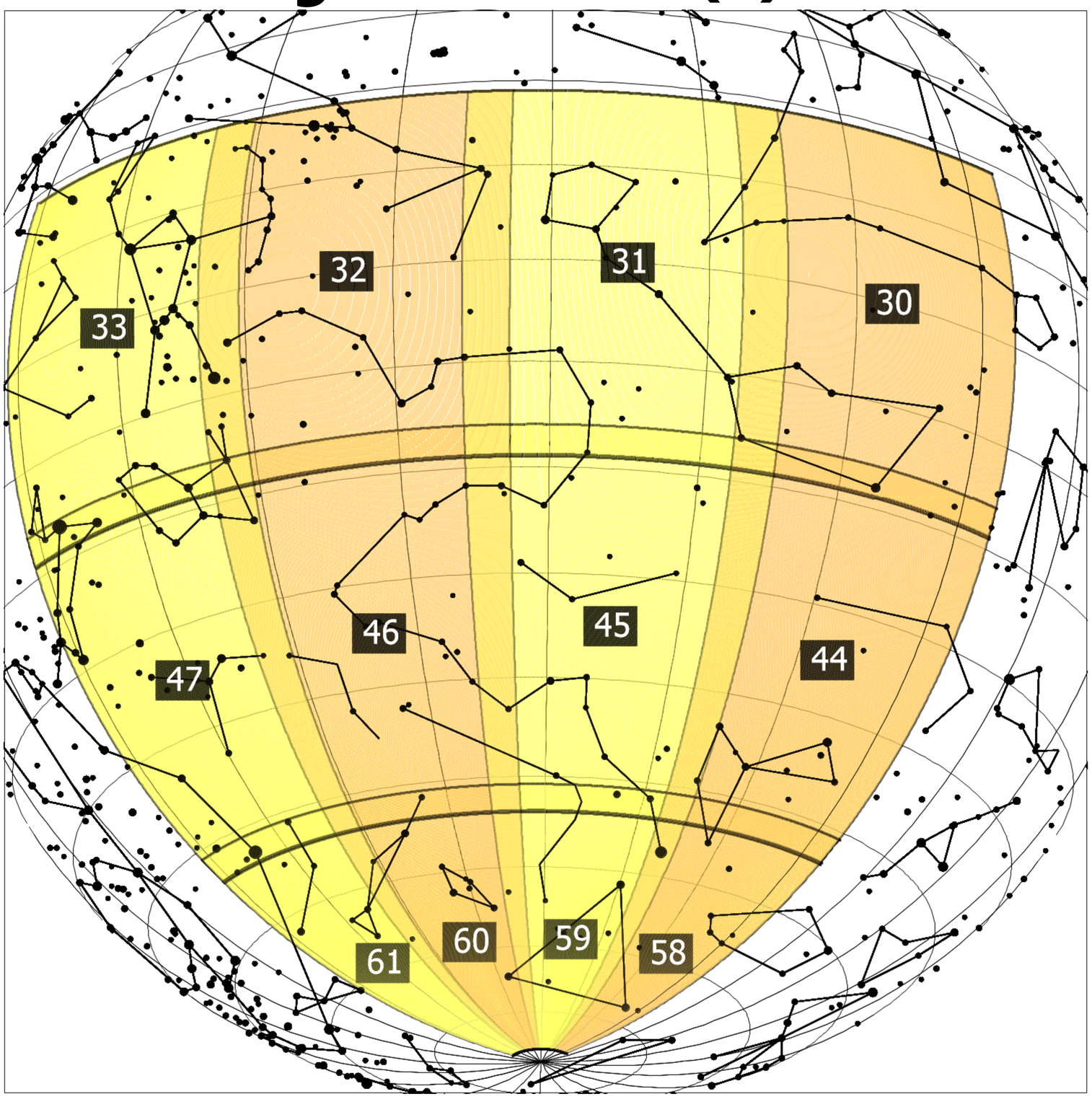
North - Right ascension(α) 12 to 18



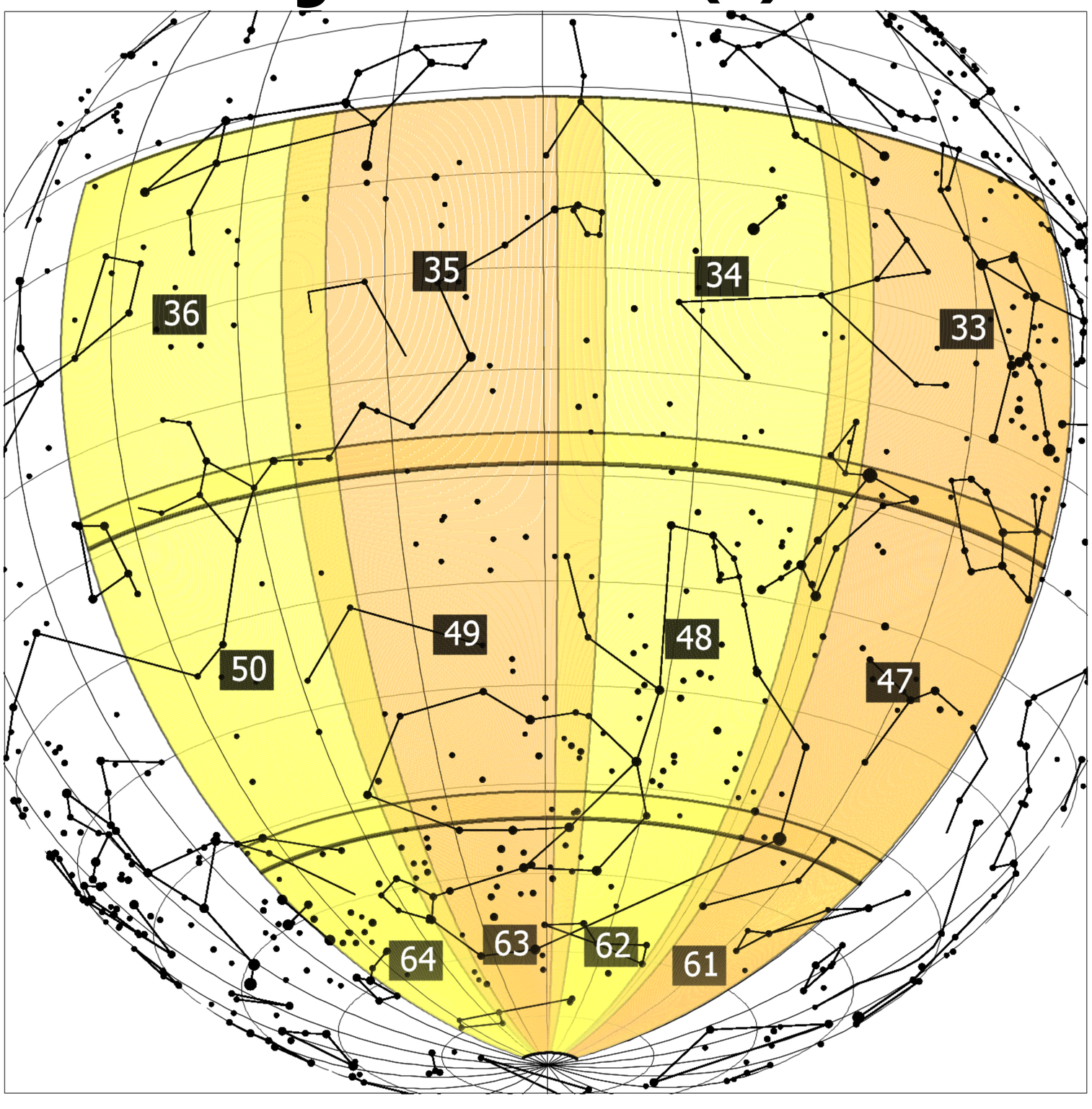
North - Right ascension(α) 18 to 24



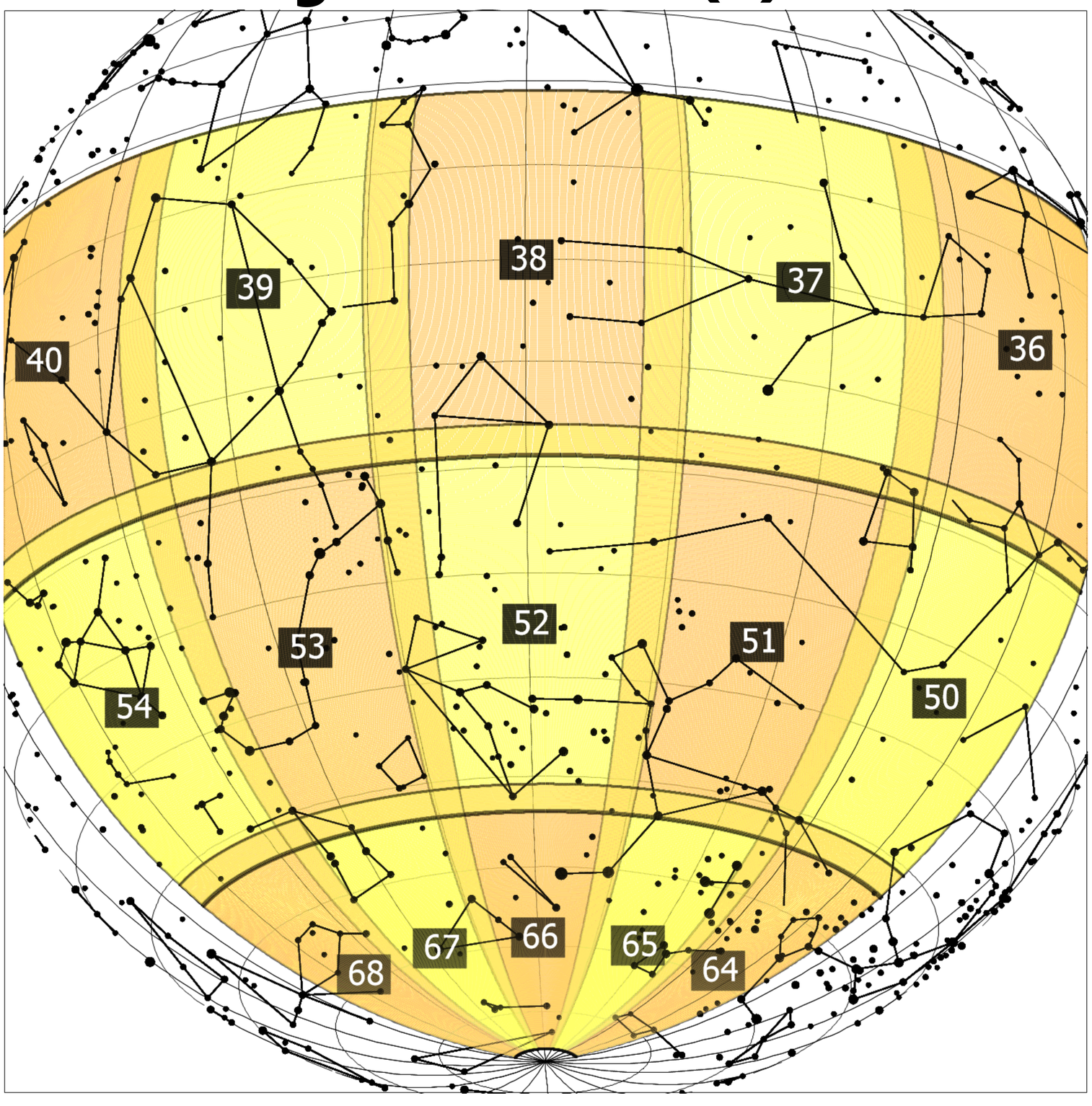
South - Right ascension(α) 1 to 6



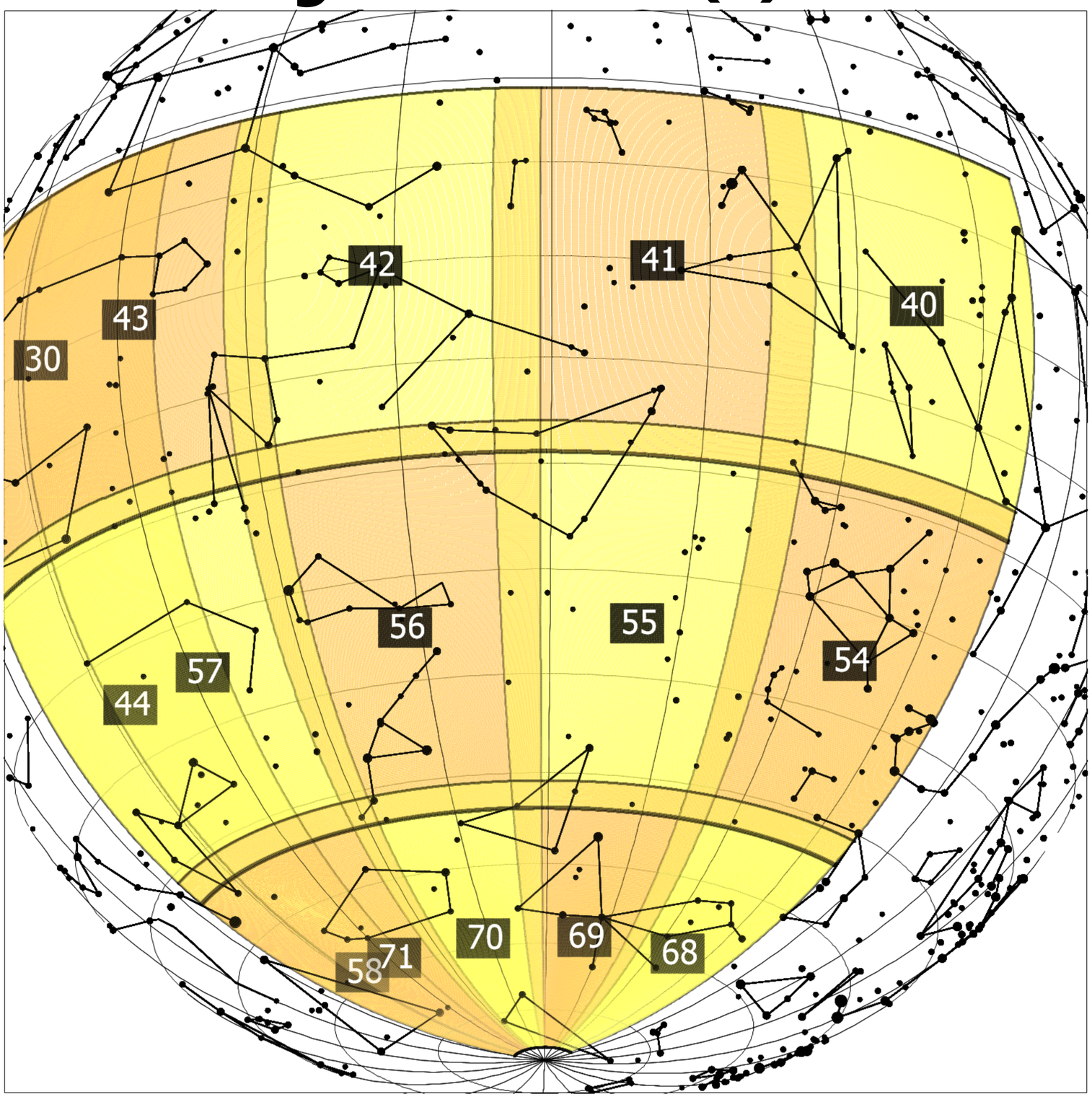
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South - Right ascension(α) 12 to 18



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

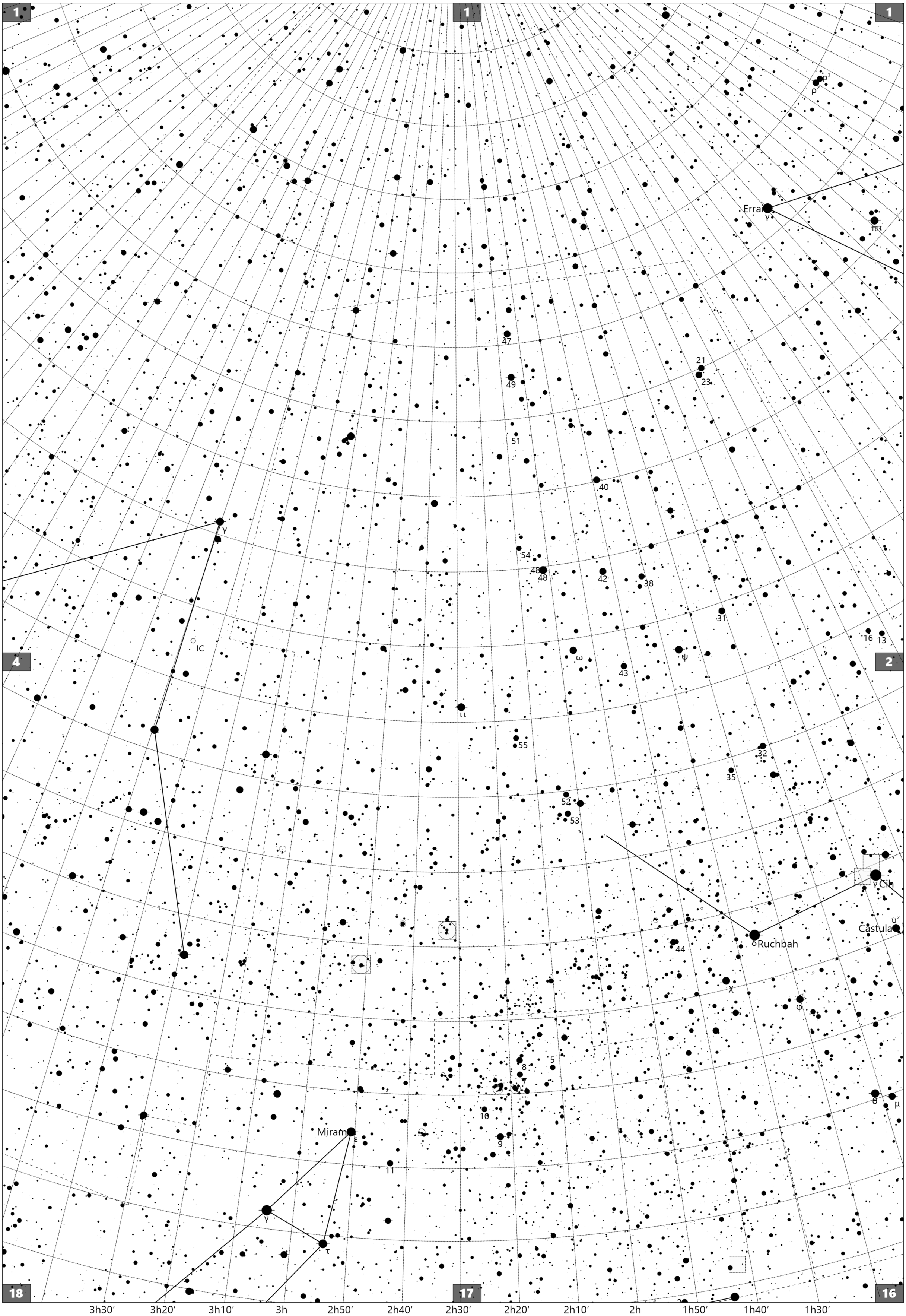
RA:23.70;1.78 DEC:87.00;50.70

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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

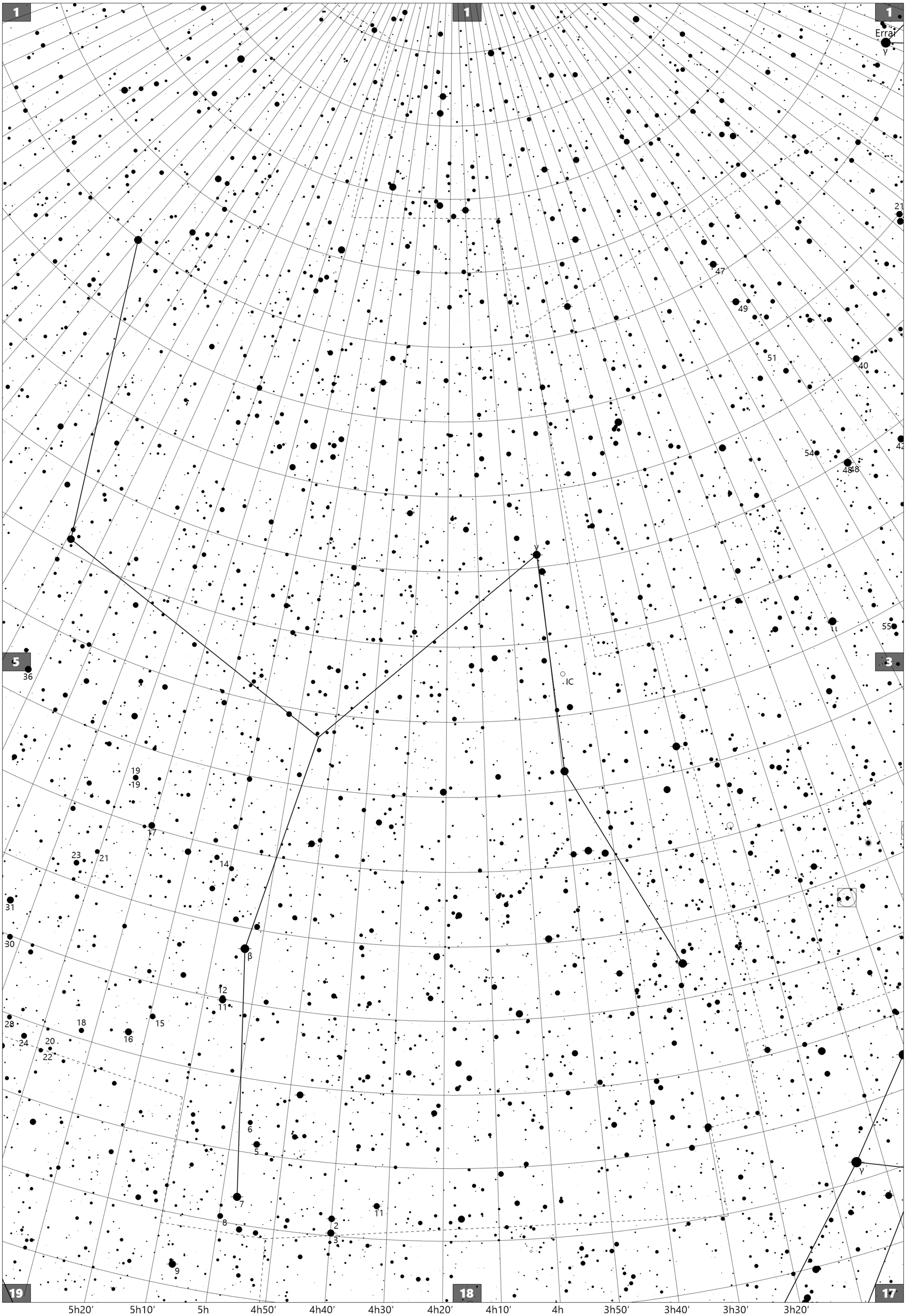


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0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 4

RA:3.26;5.34 DEC:87.00;50.70

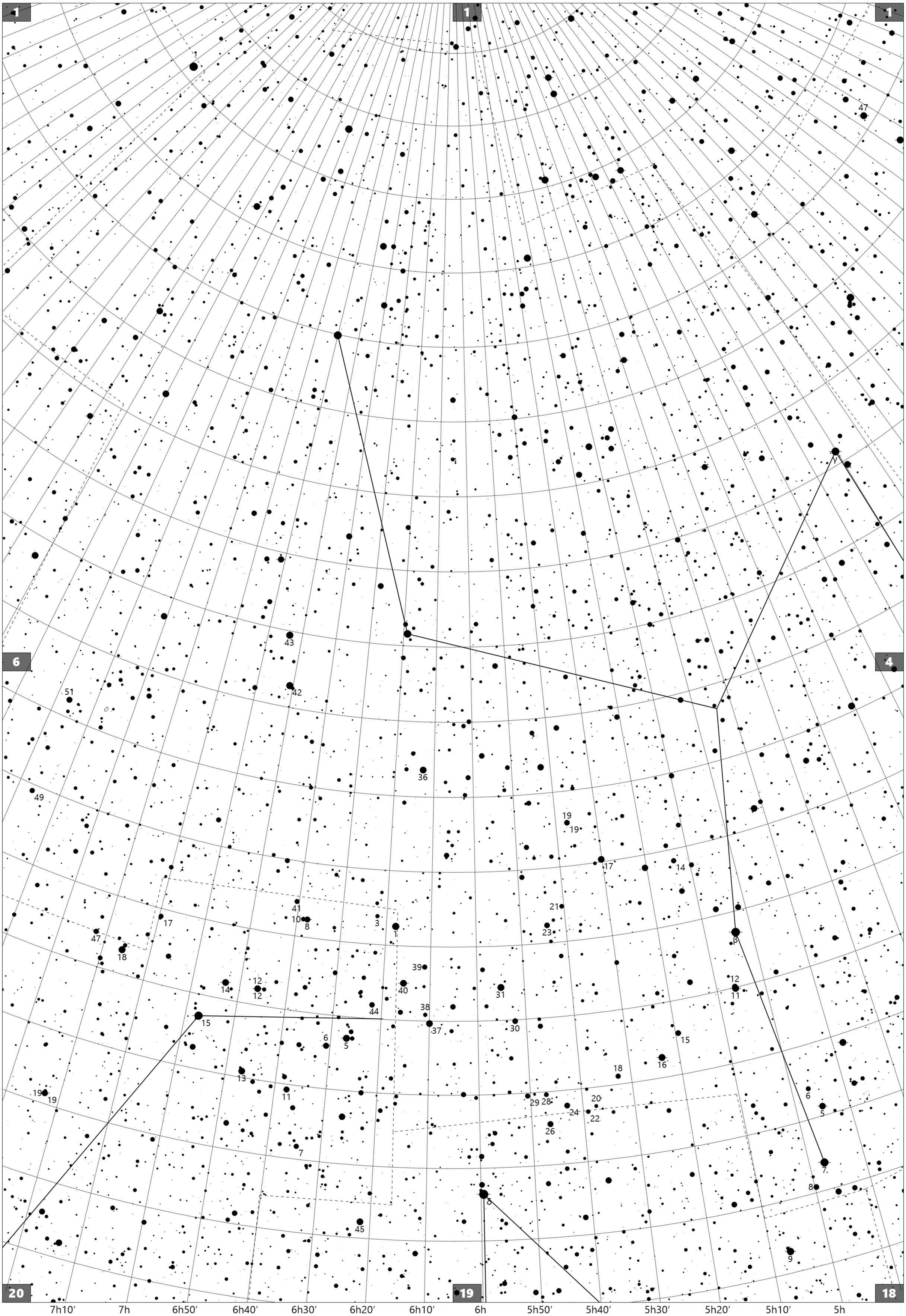


www.josefpirkl.com/pi_starsmaps.php

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

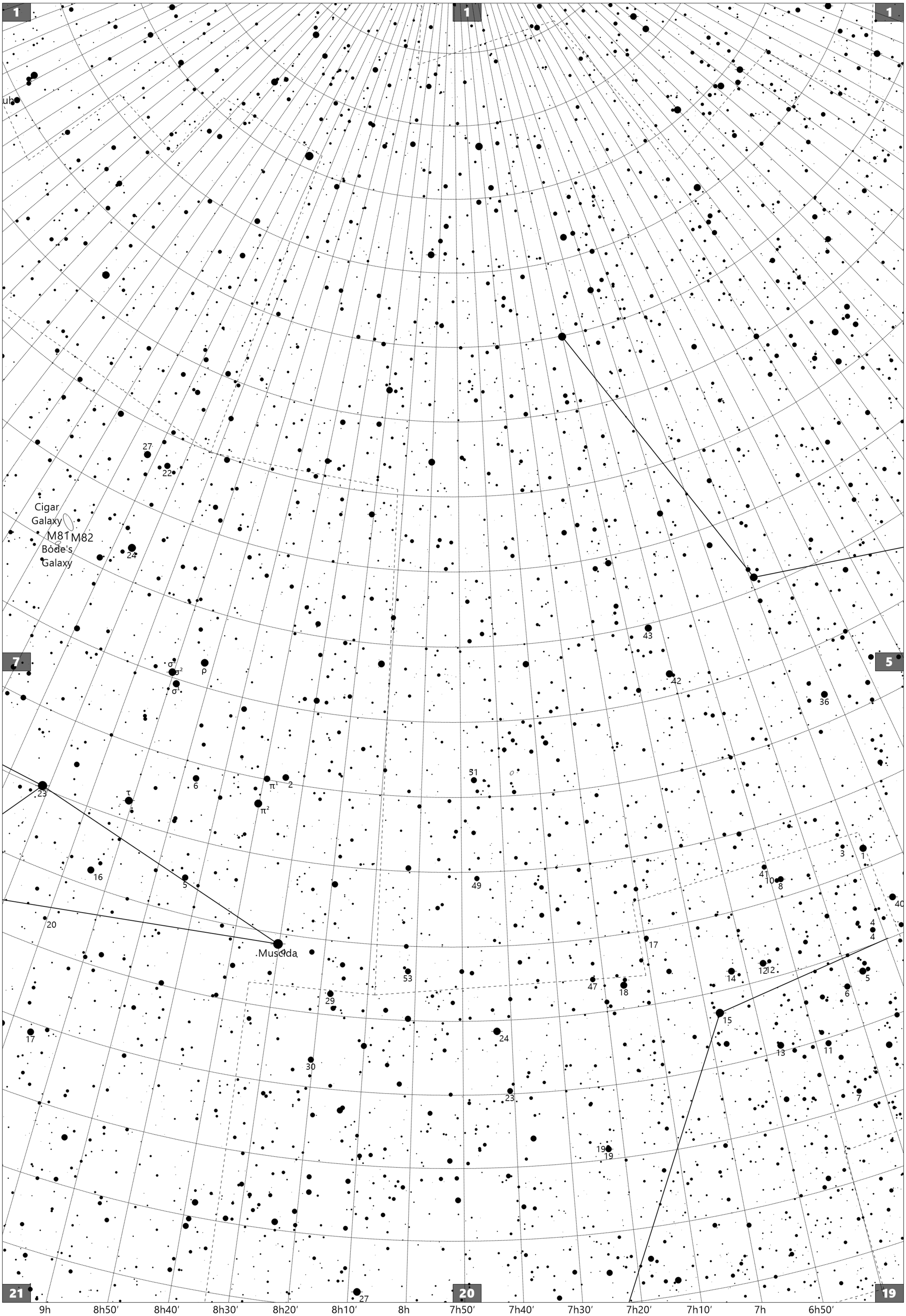


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0 1 2 3 4 5 6 7 8 9 GX GC OC NB

Chart 6

RA:6.83;8.91 DEC:87.00;50.70

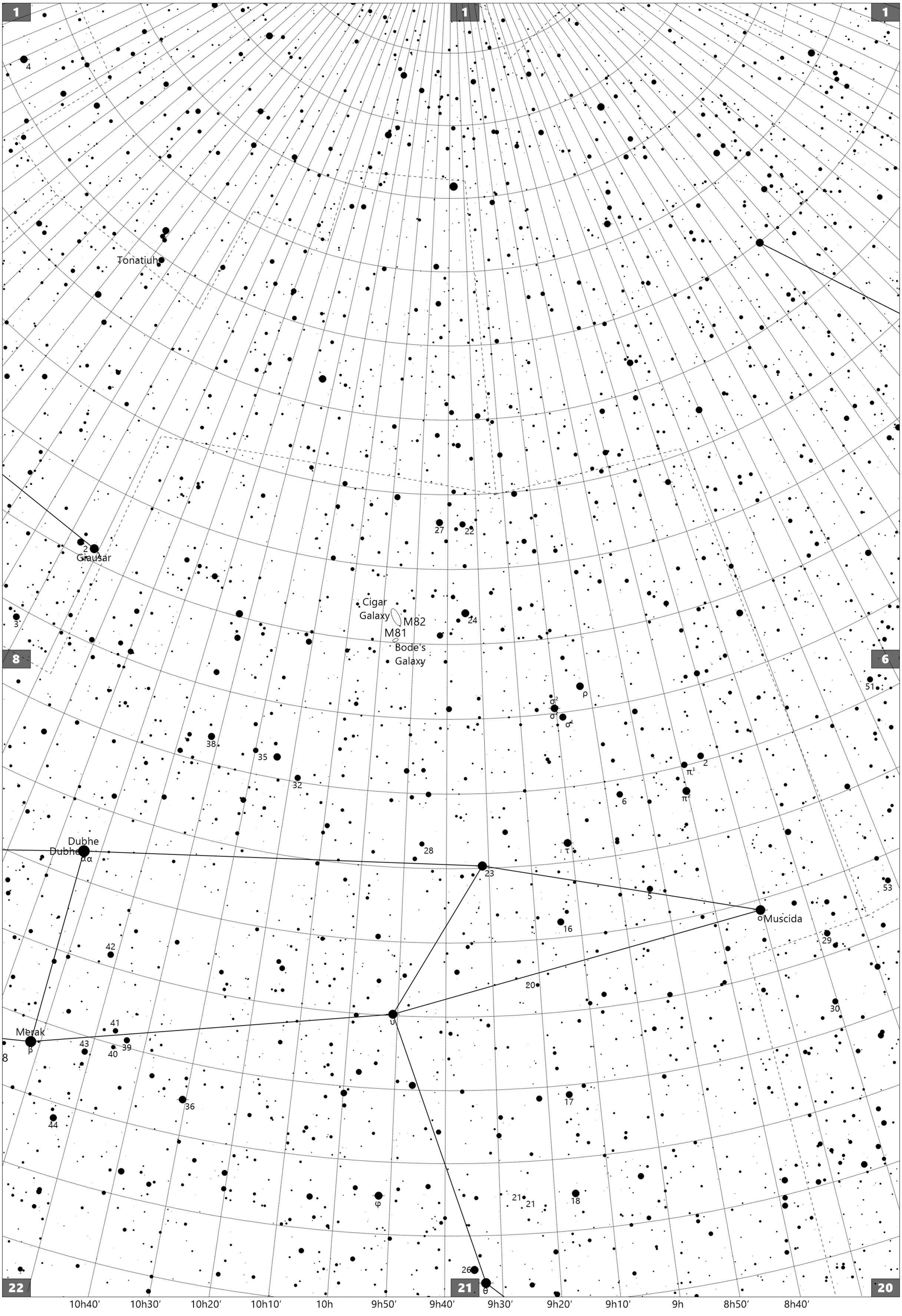


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Chart 7

RA:8.61;10.69 DEC:87.00;50.70

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



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Chart 8

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

RA:10.39;12.47 DEC:87.00;50.70

1 1 1

18 18 θ 8 4 5 3 Tonatiuh 6 4 Giausar 2 λ 27 22 24 Cigar Galaxy M82 M81 Bode's Galaxy 9 Tianyi 7 Taiyi 8 3 76 35 38 32 28 Dubhe Dubhe α α 42 75 74 70 Megrez δ 71 68 66 41 39 40 43 36 Merak β M108 44 M109 Phad 7 5

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

9 7 23 22 21

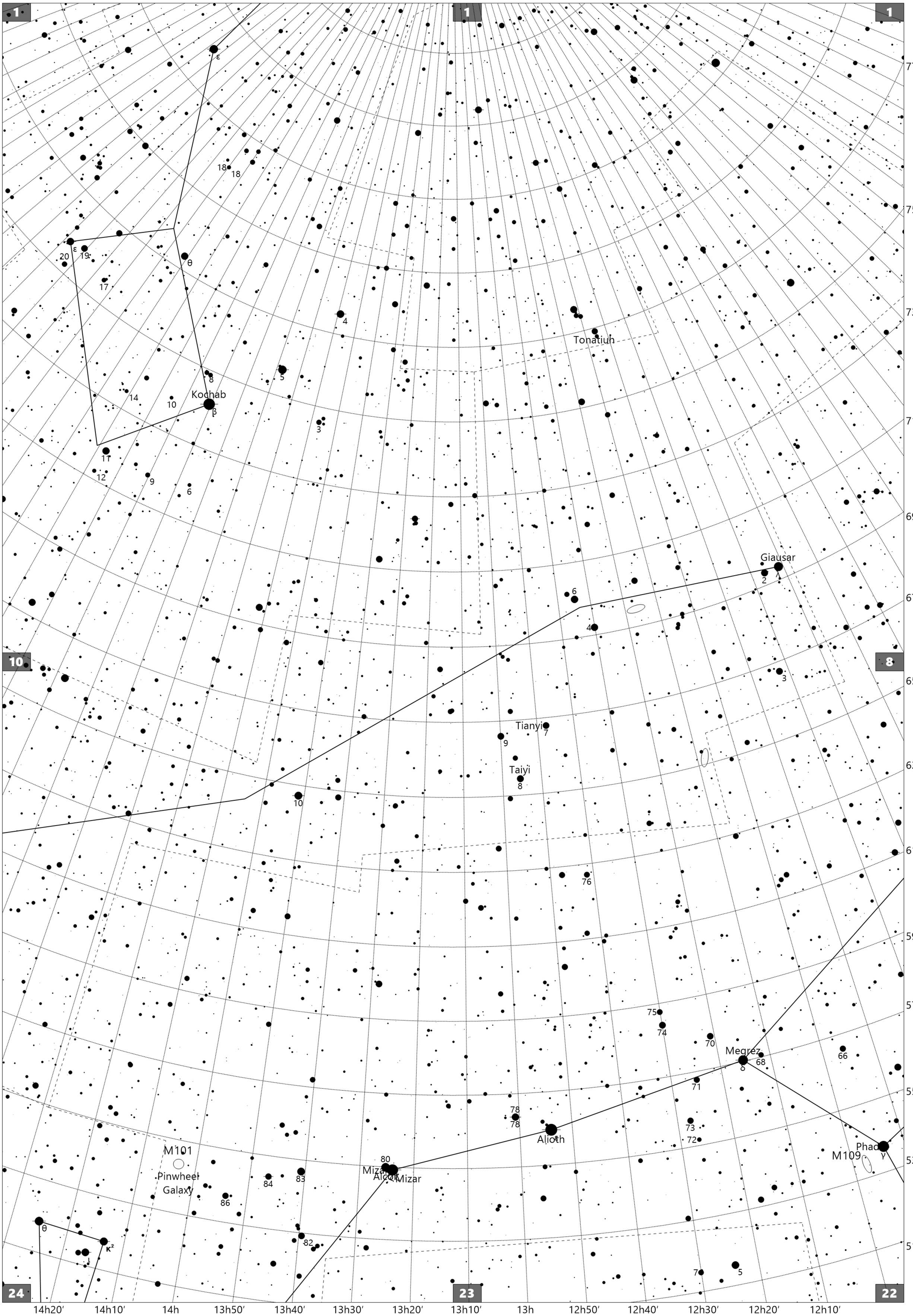
12h30′ 12h20′ 12h10′ 12h 11h50′ 11h40′ 11h30′ 11h20′ 11h10′ 11h 10h50′ 10h40′ 10h30′ 10h20′

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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

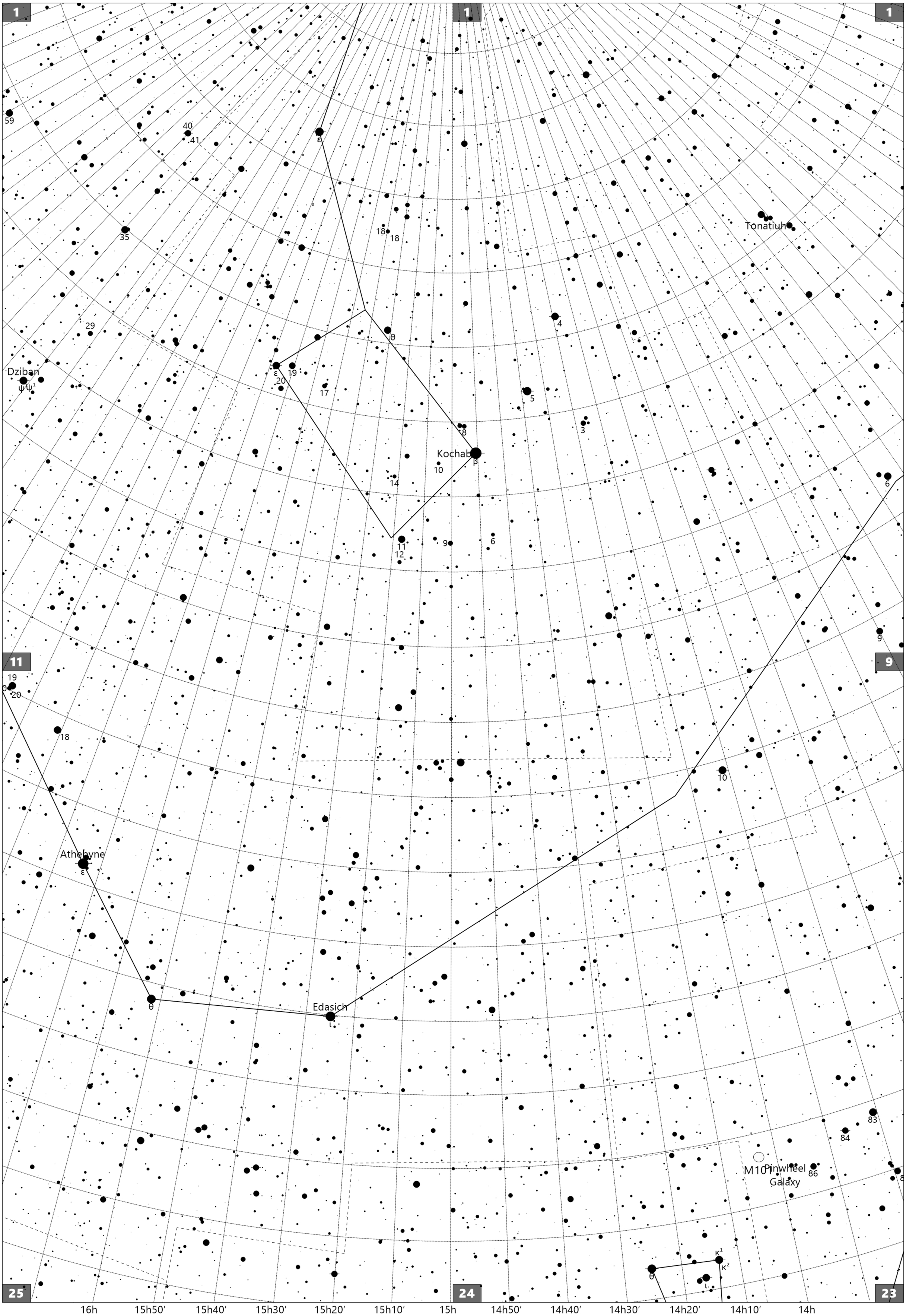


www.josefpirkl.com/pi_starsmaps.php

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

Chart 10

RA:13.95;16.03 DEC:87.00;50.70

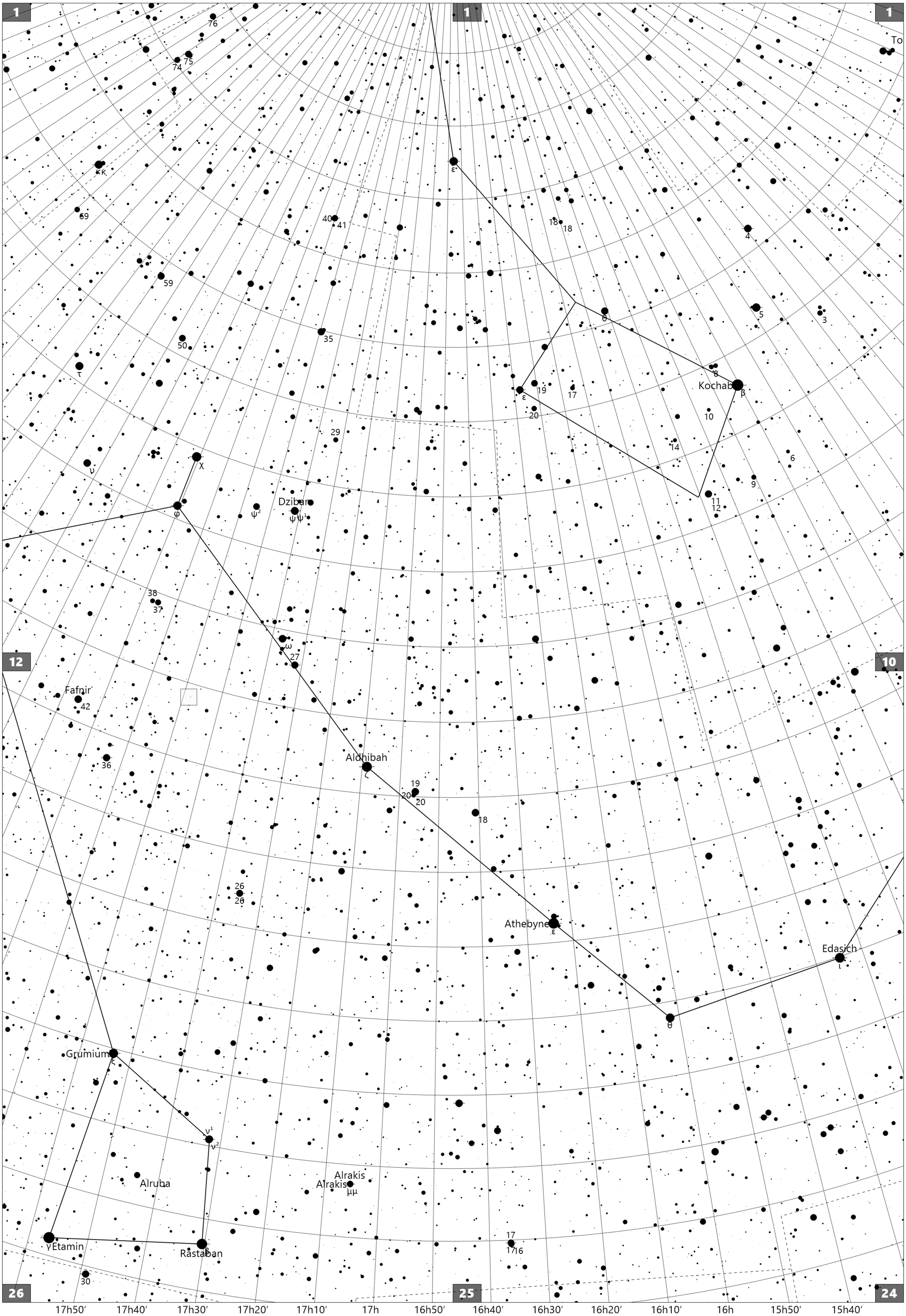


www.josefpirkl.com/pi_starsmaps.php

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

Chart 11

RA:15.73;17.82 DEC:87.00;50.70

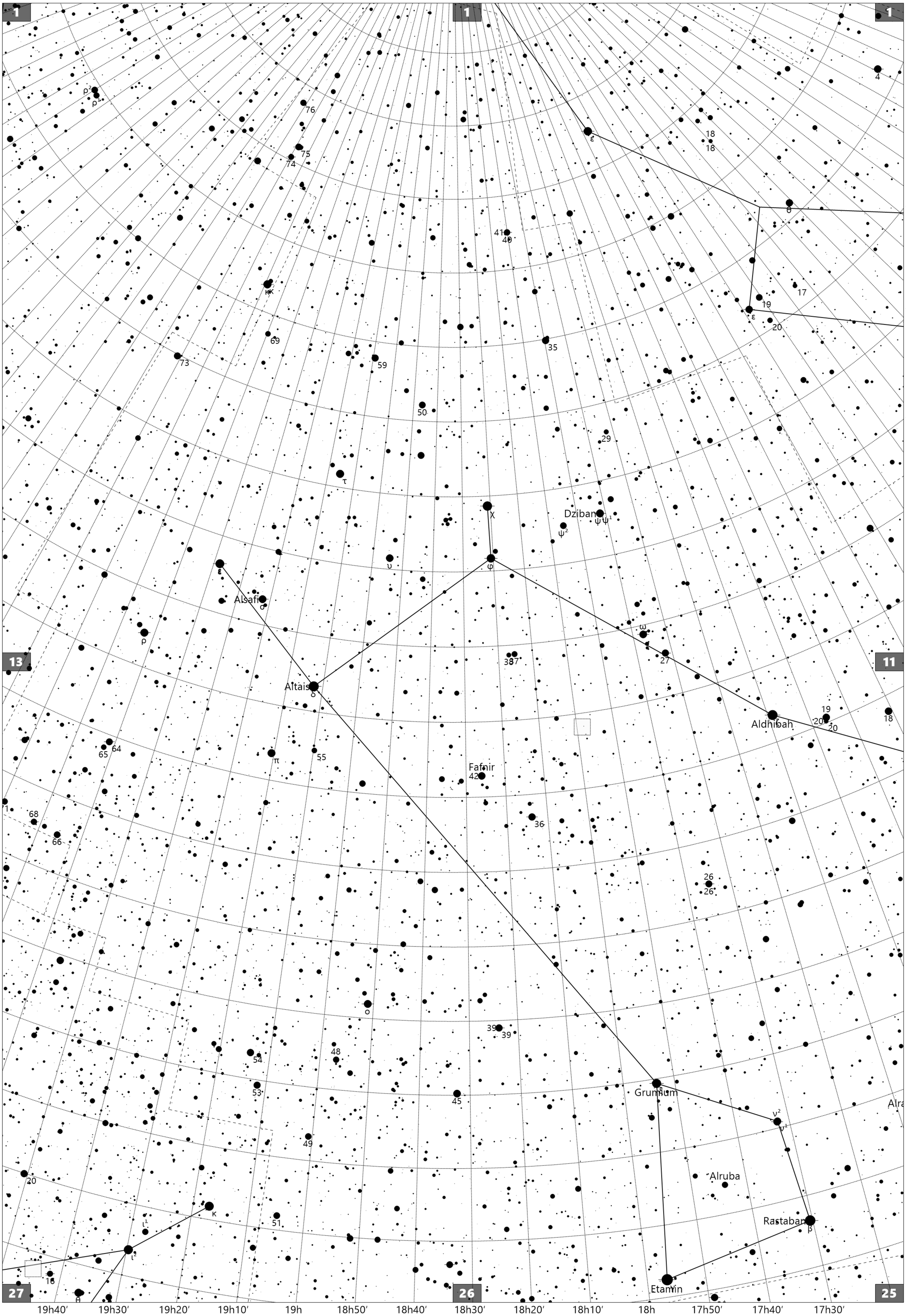


www.josefpirkl.com/pi_starsmaps.php

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

Chart 12

RA:17.52;19.60 DEC:87.00;50.70

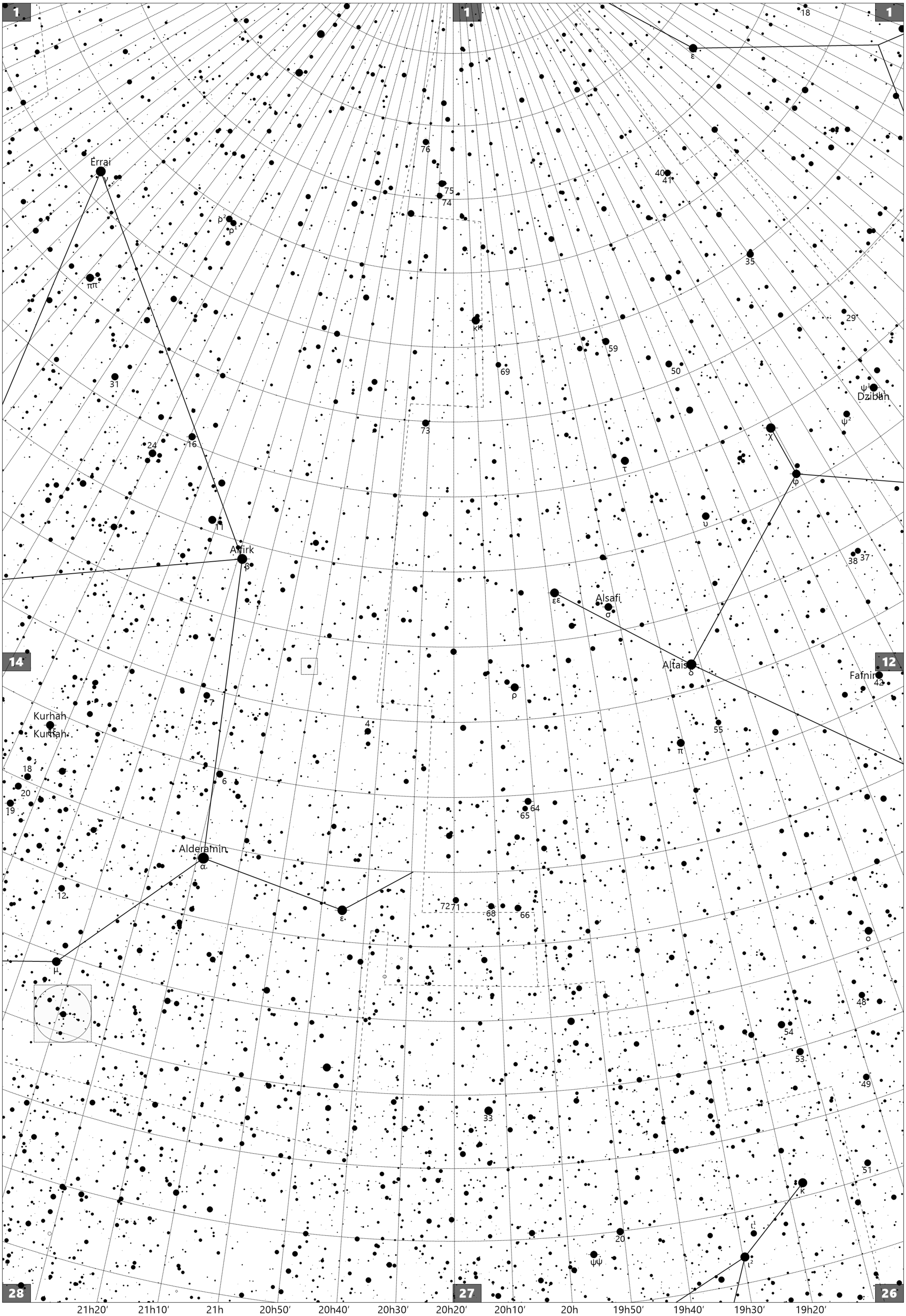


www.josefpirkl.com/pi_starsmaps.php

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

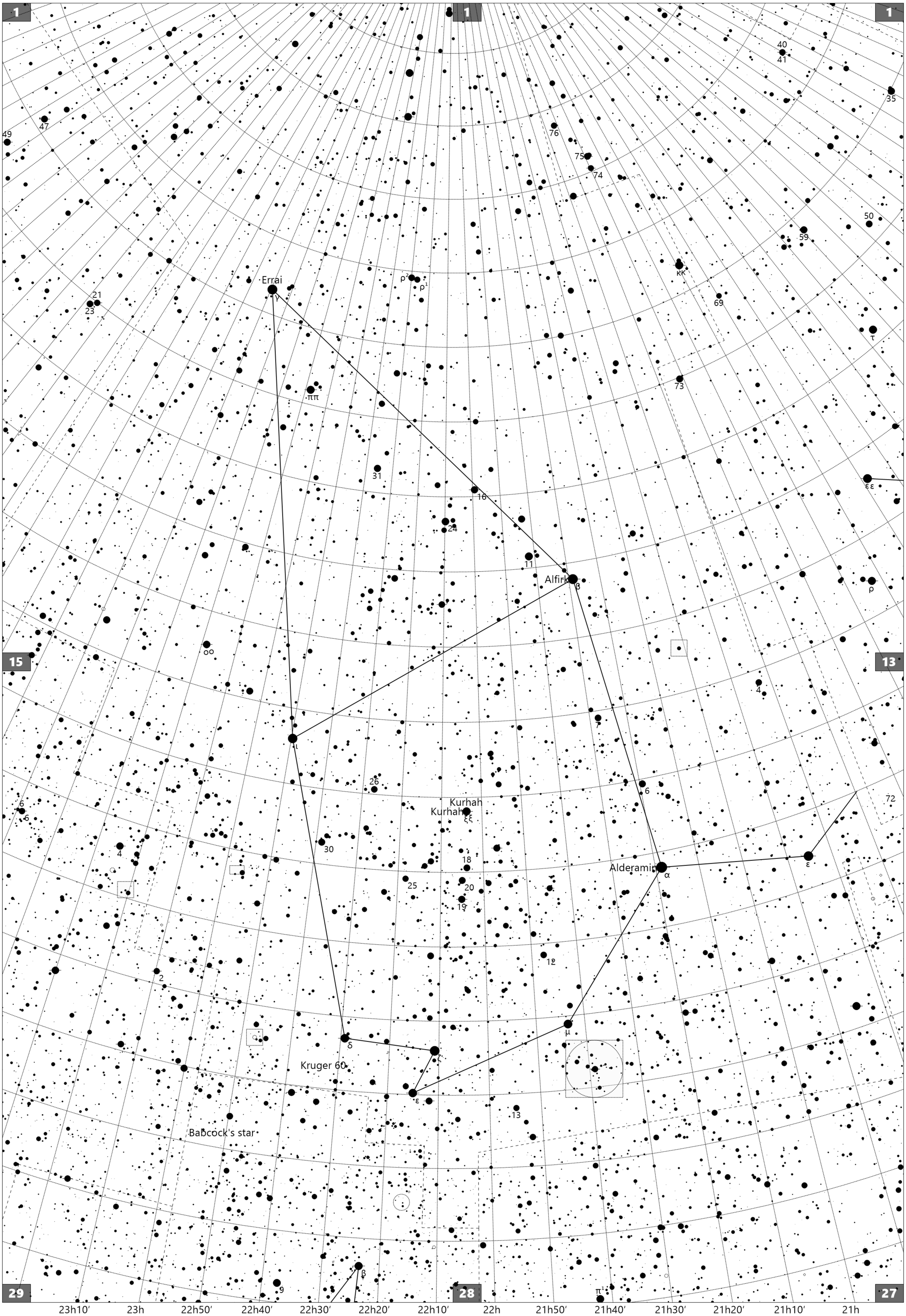


www.josefpirkl.com/pi_starsmaps.php

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

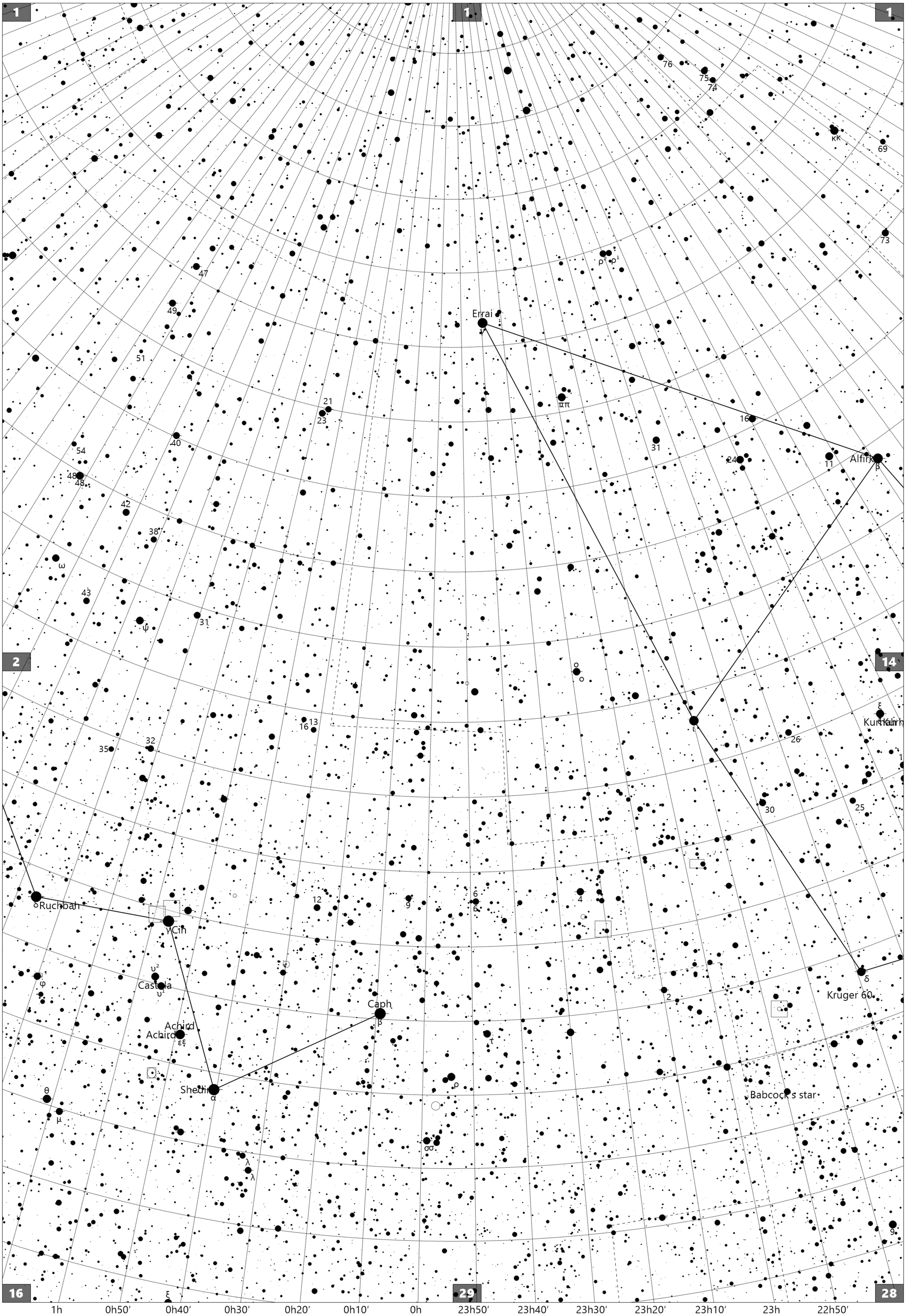


www.josefpirkl.com/pi_starsmaps.php

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

Nembus 51 49 Adhil ω ξ χ 41 φ φ 2 3 ξ o π 18 λ κ ι 22 26 Titawin υ τ 44 39 Andromeda Galaxy ν M110 M32 M31 32 23 μ 47 45 θ ρ σ Mirach β 76 78 82 σ Triangulum Galaxy M33 1 91 68 65 65 67 δ ε 28 Alpheratz α 79 85 ψ 36 36 ε ζ π ψψ¹ χ ψ² ψ³ 94 ρ 97 92 87 61 55 55 54 52 χ 66 66 59 46 φ 87 47 64 48 49 40 39 83 M74

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

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

www.josefpirkl.com/pi_starsmaps.php

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

4 3 2 18 16 32 31 30

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

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

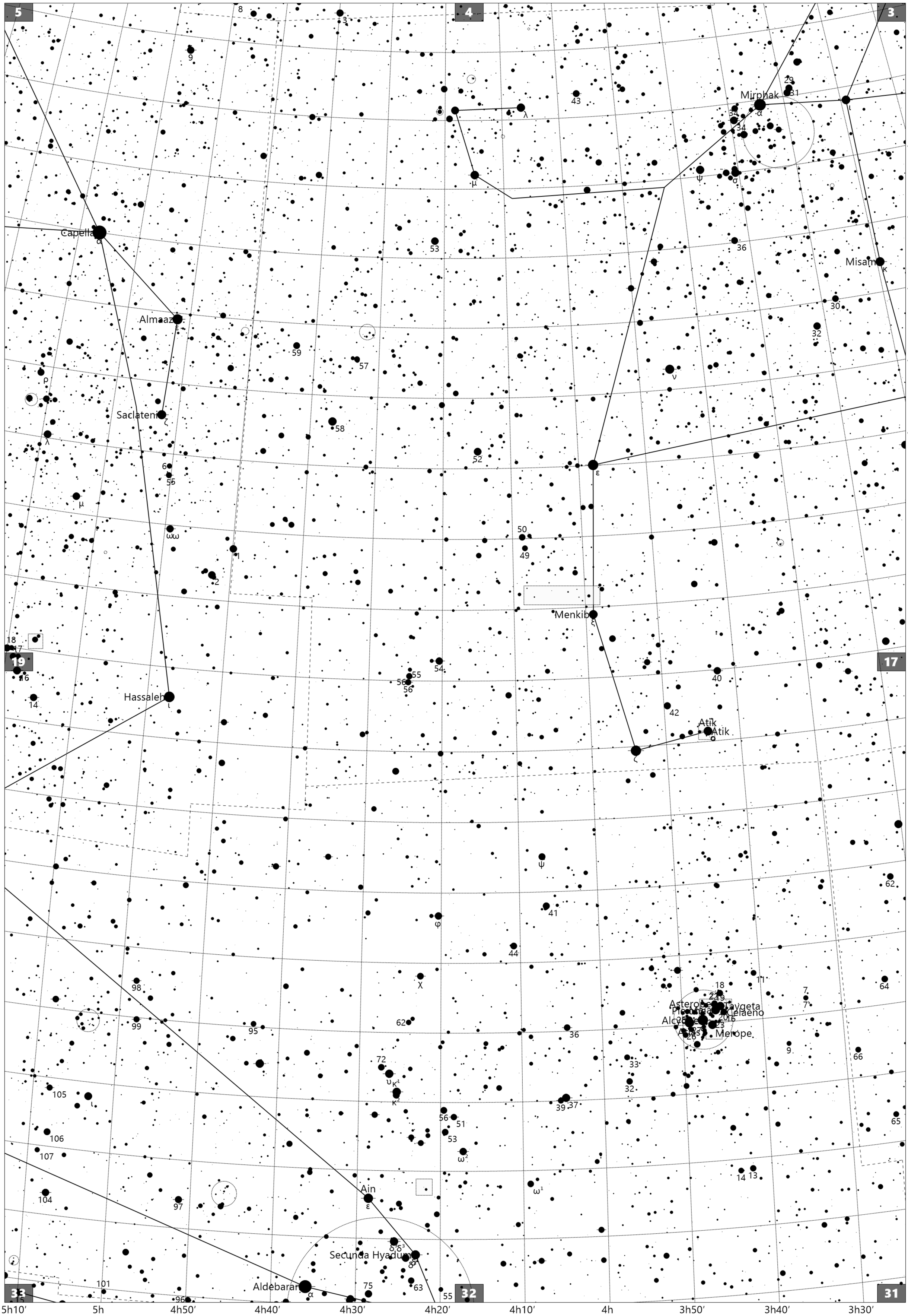
τ 29 31 34 34 αMirphak ι θ 66 65 64 63 6 2 φ 3 51 Nembus 49 62 36 ψ σ Misam κ 30 32 14 60 Silver Sliver Galaxy Almaak Almaak γ γ Titawin υ τ 55 βAlgol 12 ω π ρ 20 16 59 59 58 56 Adhil ξ ω χ 14 24 17 15 δ β γ 7 ε 21 11 5 M33 Triangulum Galaxy 6 6 13 12 Mothallah α 1 Lilii Borea 39 55 62 59 56 10 35 Bharani 41 33 51 49 60 64 52 30 30 21 λ 7 1 1 κ ν ε Sheratan β 107 109 Mesarthim γ² γ Mesarthim 26 23 θ 15 ι 4 103 10 105 65 τ¹ τ² τ¹ τ² ζ εε 47 Botein δ 54 53 50 50 ρ² ρ³ ρ¹ 40 36 ππ 27

www.josefpirkl.com/pi_starsmaps.php

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

Chart 18

RA:3.26;5.34 DEC:53.70;15.90



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Chart 19

RA:5.04;7.13 DEC:53.70;15.90

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

6 5 4 20 18

Capella α
Menkalinan β
Almaaz ε
Saclateni ζ
Mahasim θ
Alnath β
Mebsuta ε
Tejat μ
Propus
Alhena γ
ρ λ μ σ υ φ χ κ ν τ
ψ1 ψ2 ψ3 ψ4 ψ5 ψ6 ψ7 ψ8 ψ9

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

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

34 33 32

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

Chart 20

RA:6.83;8.91 DEC:53.70;15.90

7 6 5

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

21 19

35 34 33

Tajitha
Alsciaukat
Jishui
Castor
Pollux
Piautos
Tegmine
Wasat
Mekbuda
Meleph

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

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Chart 21

RA:8.61;10.69 DEC:53.70;15.90

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

8 7 6 22 20 36 35 34

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

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

θ 26 31 Talitha ι 34 Intercrus 35 μ Tania Australis 19 42 43 16 32 38 17 35 β 29 26 34 36 21 30 28 27 37 33 22 20 23 24 15 13 8 7 10 9 11 38 38 α σ² σ¹ 66 σ³ 66 57 57 61 46 τ ι ι ρ¹ 53 Copernicus ρ² 70 67 75 ν 79 ξ Nahn 80 78 83 71 68 52 54 Asellus Australis

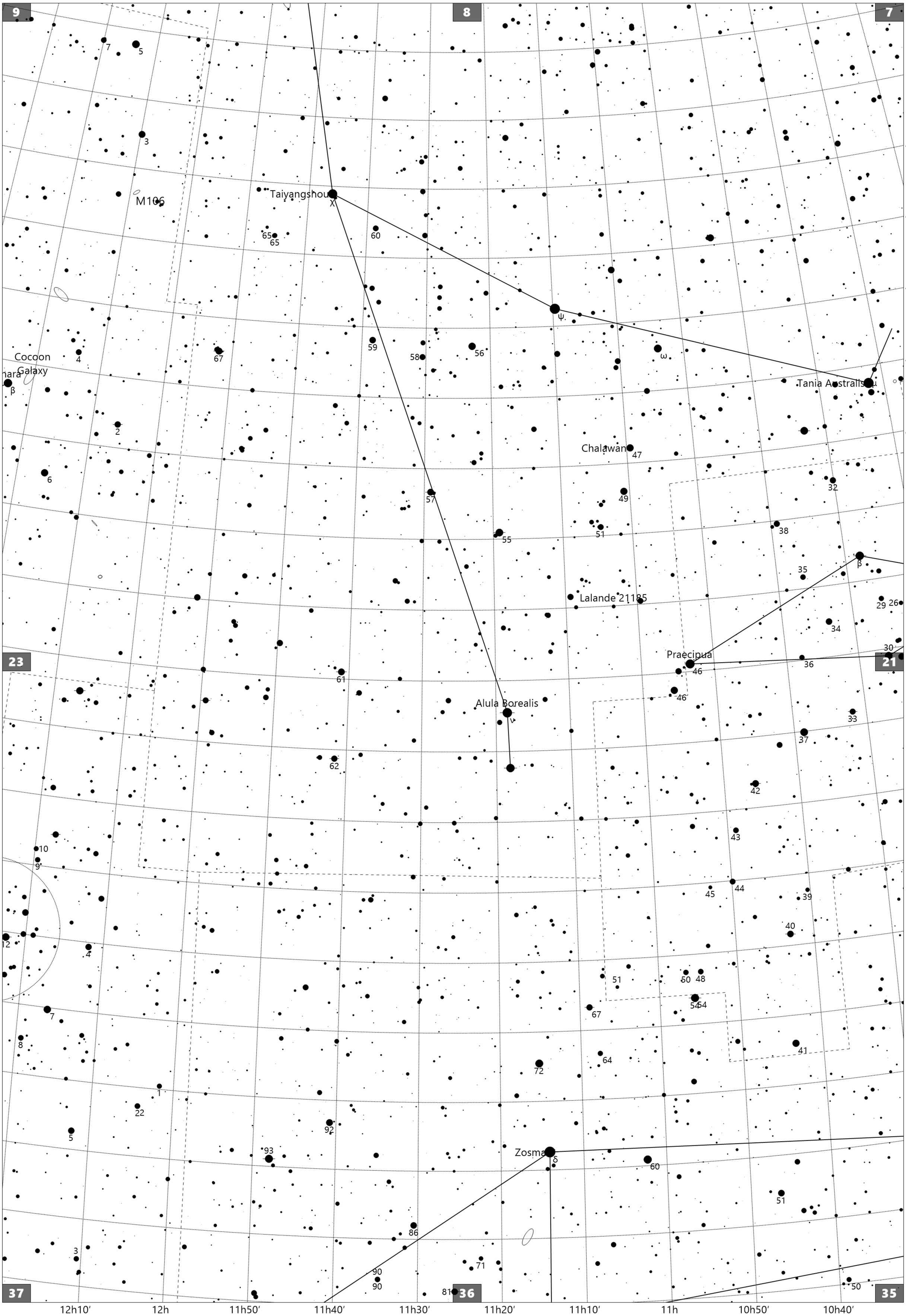
Rasalas μ κ 13 12 9 22 Adhafera ζ 35 39 Ras Elased Australis ε Alterf 20 Algieba γ Algieba 40 ε 33

www.josefpirkl.com/pi_starsmaps.php

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

Chart 22

RA:10.39;12.47 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 23

RA:12.17;14.25 DEC:53.70;15.90

10 9 8 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′

θ κ² 82 24 13 ε Alkaid 24 21 7 5 3 11 M106 Whirlpool Galaxy M51 Xuange La Superba 6 4 Sunflower galaxy M63 Cocoon Galaxy Chara β 2 M94 9 19 18 23 20 10 6 16 15 17 Cor Caroli α α¹ 25 25 Whale Galaxy 37 γ 10 9 14 16 13 17 12 21 22 18 8 23 11 9 3 β 41 31 30 2 40 39 39 M64 Black Eye Galaxy 35 35 26 20 1 Mufrid ε 7 τ υ 24 24 M85 11 M100

www.josefpirkl.com/pi_starsmaps.php

Chart 24

RA:13.95;16.03 DEC:53.70;15.90

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

11 10 9 25 23 39 38 37

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

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

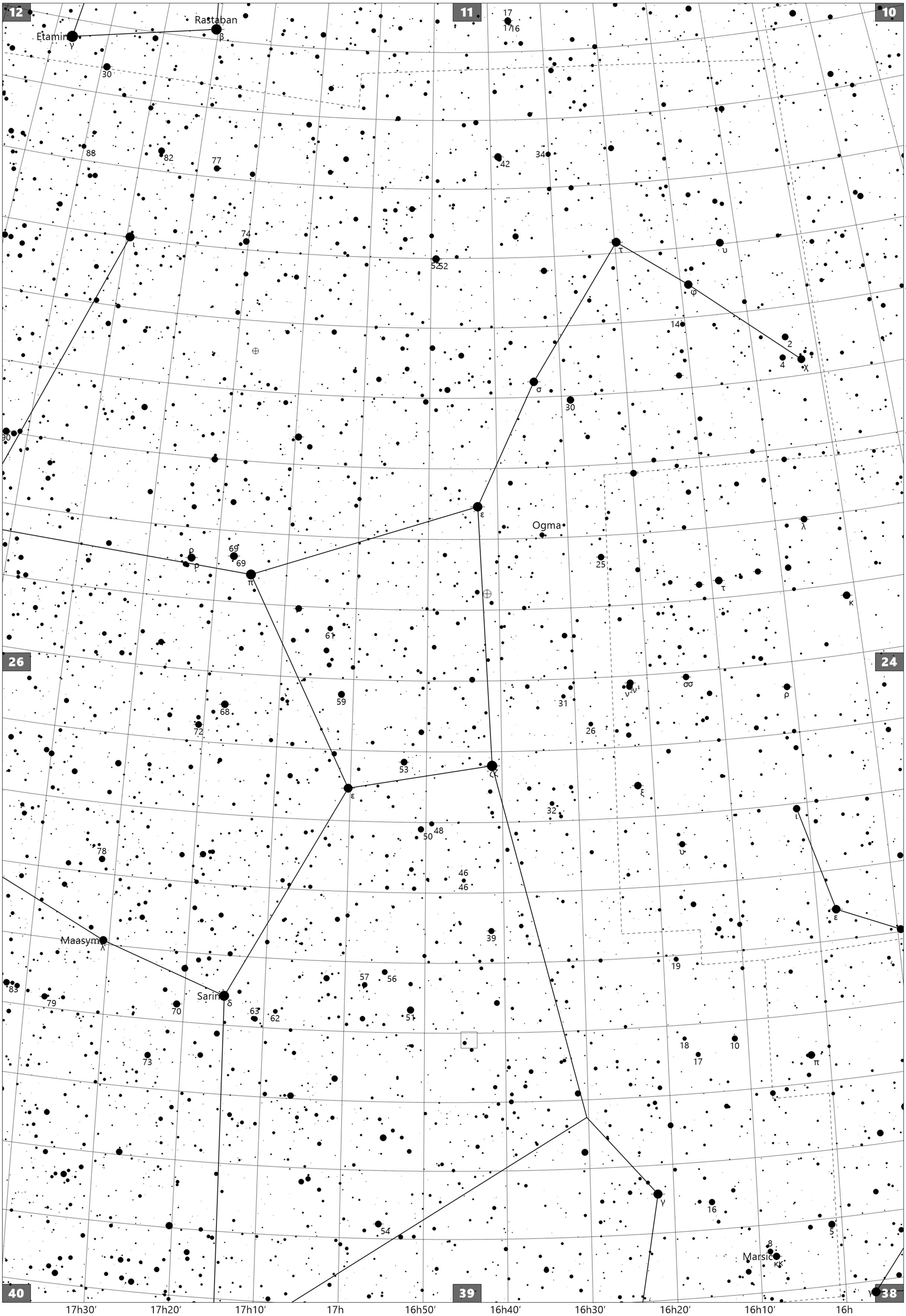
θ κ¹ κ² ι 24 13 ε Alkaid 47 39 39 44 44 υ φ 14 2 4 χ 33 Xuange λ Merga 38 φ ν ν¹ Nekkar β μ 40 λ Seginus γ Alkalurops μ² μ¹ ζ² ζ¹ κ π 50 δ θ θ εε ο χ Nusakan β Alphekka α δ γγ 46 ψ Izar Izar εε 34 ρ σ 12 45 ω 26 ρ ι Gudja κ τ⁷ τ⁸ τ³ τ⁶ τ⁵ τ² ξξ 22 Arcturus Arcturus α 20 ο ππ¹

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

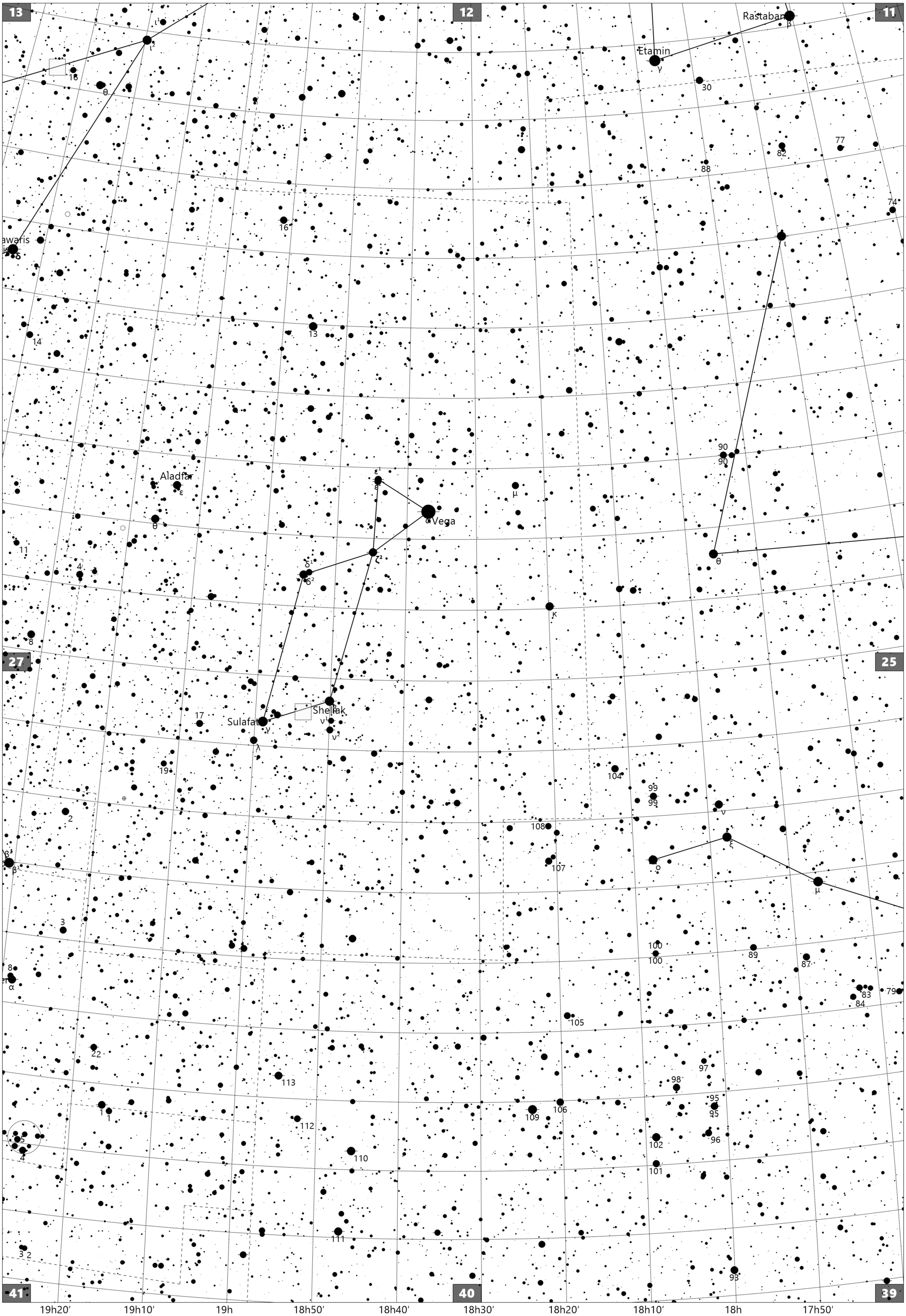


www.josefpirkl.com/pi_starsmaps.php

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

Chart 26

RA:17.52;19.60 DEC:53.70;15.90

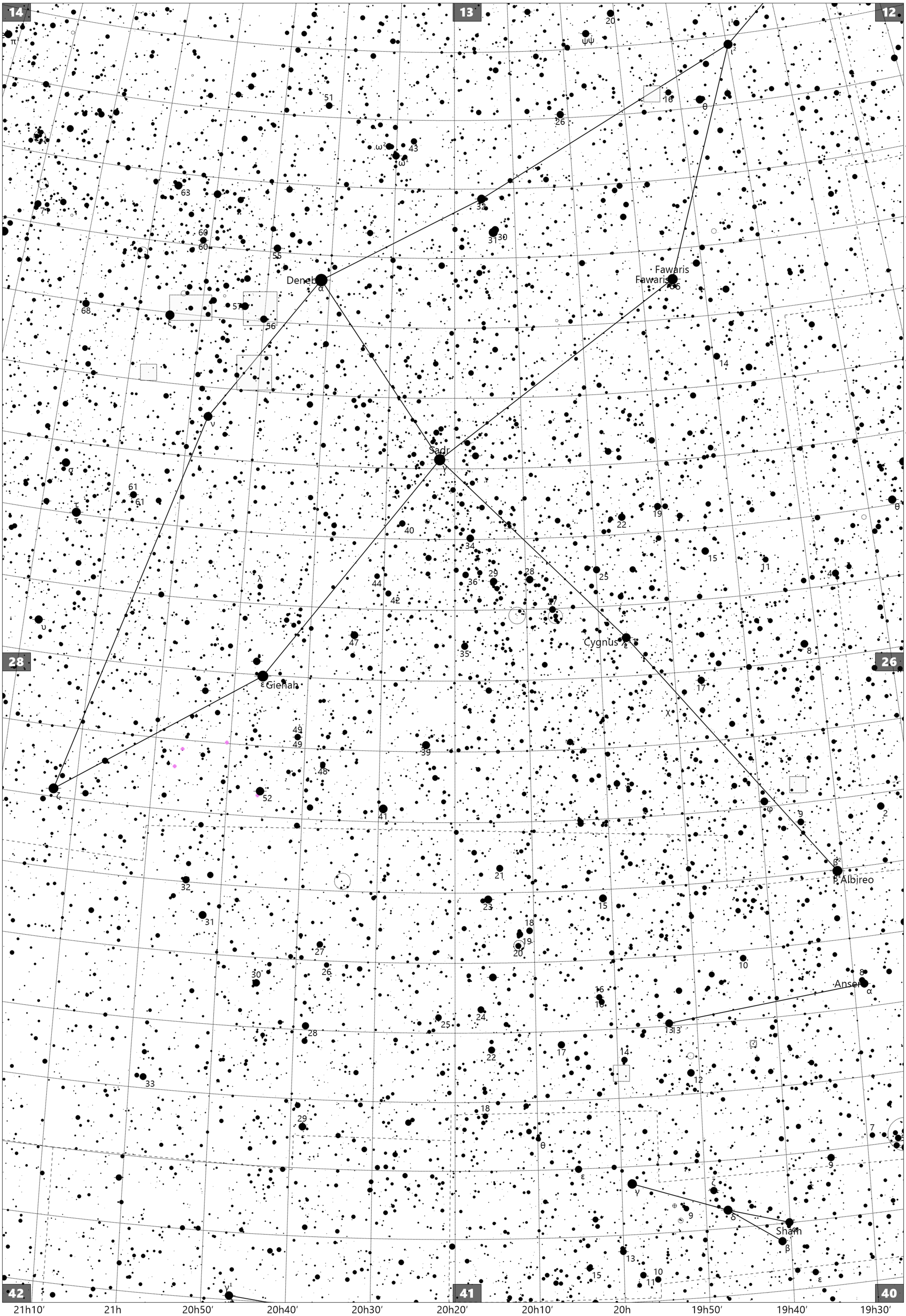


www.josefpirkl.com/pi_starsmaps.php

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

Chart 27

RA:19.30;21.38 DEC:53.70;15.90



www.josefpirkl.com/pi_starsmaps.php

Chart 28

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

RA:21.08;23.16 DEC:53.70;15.90

15 14 13

29 27

43 42 41

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

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

Azelfafage
Matar
Sadalbari
elvetios

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

17° 15° 13° 11°

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

9° 7°

μ 95 80 73 96 G. Psc 7 7 7 89 35 33 29 IC 26 44 25

5°

31 43 42 38 20 15 14 10 11 40 39 34 29 27 24 13 12 25 33 30

3° 1°

44 θ 41 37 32 21 30 28 27 ε φ² φ¹ φ⁴ φ³ 18 9 3 47 46 50 49 6 1

11° 13° 15° 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 19 σ o 29 104

17° 15° 13° 11°

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

9° 7° 5° 3° 1°

32 30

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

1° -3° -5° -7°

ρ^1 ρ^3 ρ^2 80 77 Zibal ζ 14 Baten Kaitos ζ χ ε ρ π σ τ τ^1

-9° -11° -13° -15° -17°

46 45 44

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

19 18 17

104 97 101 96 15 11 o¹ o² 6 π¹ π² 16 13 14 14 π³ Tabit π⁴ π⁵ 5 π⁶ 33

Secunda Hyadum δ³ δ² δ¹ 75 63 55 Aldebaran α 89 σ² σ¹ Chamukuy θ² θ¹ 85 81 80 84 71 Prima Hyadum 48 58 ρ 76 π 60 57 83 79 90 93 88 66 47 47 μ 46 45 ν 40 31 31 29 λ 30 4 5 12 10 25 24 35 51 ν ξ 32 32 68 66 Cursa β 62 ω 46 46 ψ 56 55 55 47 63 64 39 39 Beid o 37 Keid o² Ran ε δ π Zaurak γ Sceptrum 53 53 60 59 58 20 6 29 30 22 21

1° 3° 5° 7° 9° 11° 13° 15° 17°

47 46 45

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 33

RA:5.04;7.13 DEC:18.90;-18.90

20 19 18

Alheka
Alzirr
Betelgeuse
Bellatrix
Meissa
Mintaka
Alnilam
Alnitak
Hatsya
Saiph
Rigel
Red Rectangle
Mirzam
Sirius
Arneb

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

34 32 48 47 46

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

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
Mulphein

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

35 33

49 48 47

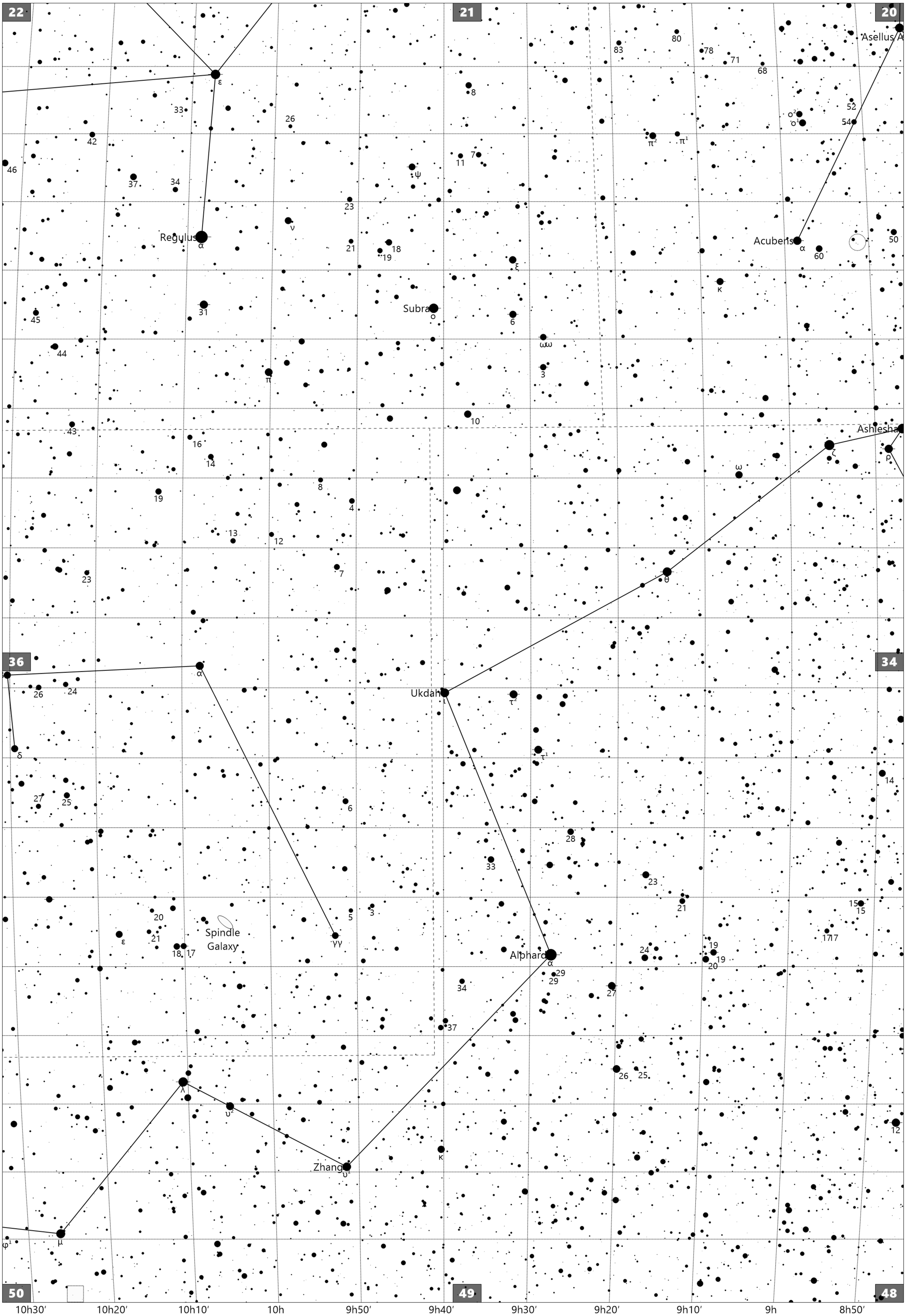
8h40′ 8h30′ 8h20′ 8h10′ 8h 7h50′ 7h40′ 7h30′ 7h20′ 7h10′ 7h

www.josefpirkl.com/pi_starsmaps.php

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

Chart 35

RA:8.61;10.69 DEC:18.90;-18.90



www.josefpirkl.com/pi_starsmaps.php

Chart 36

RA:10.39;12.47 DEC:18.90;-18.90

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

23 22 21

Chertan
Denebola
M98
Pinwheel Galaxy
M65
M66
Leo Triplet
M105
M95
M96
Zavijava
Alkes

37 35

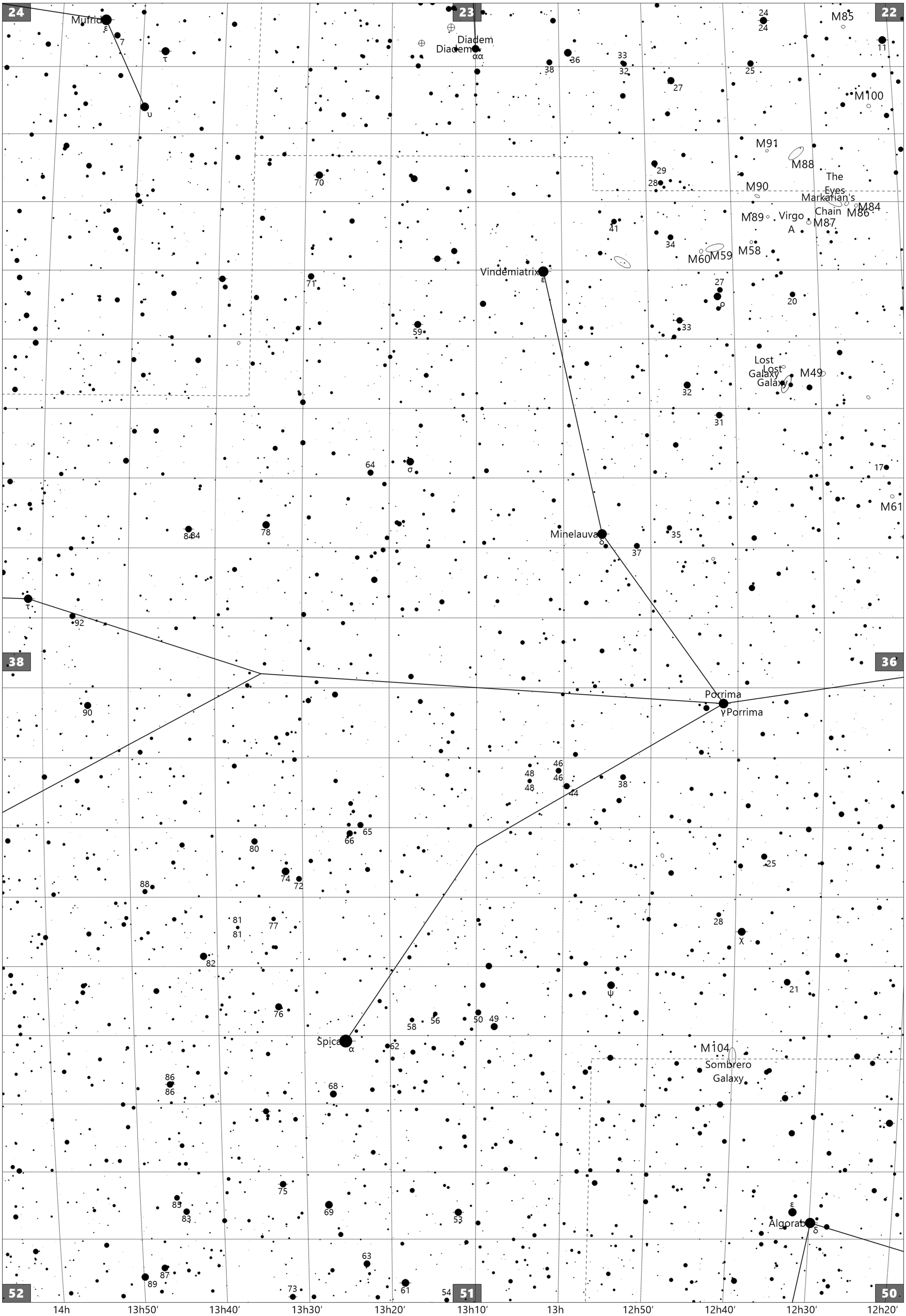
51 50 49

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



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

Gudja κ τ7 τ8 τ3 τ6 τ5 τ2 τ4 τ1 29 β υ χ 7 δδ 16 λ Unukalhai α ε 3 ψ ω 10 5 66 4 110 o π1 π1 20 ζ ζ 18 14 32 109 15 15 31 108

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

39 37 53 52 51

14 11 8 25 μ 16 δ 11 φElgafar 103 υ 104 106 37 ε 17 18 ξ2 ξ1 2 Khambalia λ μ μ 5 97 Kang κ 96 Zubenelhakrabi γ ε 30 o ζ4 ζ3 ζ1 33 28 26 22 ν Zubenelgenubi α1 α2 10

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

26 25 24

Rasalgethi

Cujam

κ Marsic

Rasalhague

Marfik

Yed Prior

Yed Posterior

Sabik

40 38

54 53 52

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

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

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 θ θ² 74 64 4 21 73 73 66 70 70 67 68 Barnard's Star Cebalrai β γ 61 23 23 24 27 5 59 59 60 ε 8 7 14 15 β 12 ε 26 20 ε α δ ζ τ τ ν ο 41 39 υ ρ¹ ρ 6

55 54 53

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

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 41

RA:19.30;21.38 DEC:18.90;-18.90

28 27 26

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

42 40

56 55 54

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

Sham β α ε δ 9 13 15 10 11 p ψ 46 π π χχ φ

γ² γ¹ δ 10 ζ βRotanev θ ε 17 16 15 ι 11 κ

Musica 18 γ 6 γ 14 2 2 13 13 4 3 εε

Tarazed γ ϱ Altair α Libertas ξ τ υ μ Alshain β σ

1 71 70 69 68 11 3 12 12 10 4 5 4 ε 58 64 62 66 θ 45 ι 36 42 κ 57 57 56

μ Albali ε 7 ν 8 9 51 37 35 Algedi α² 3 Alshat ν ξ ξ² 65 63 IC Barnard's Galaxy 61 54 55 ττ 13 21 19 υ ρ ρ·π π o o Dabih β

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

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

9 20 31 17 21 19 18 30 37 35 37 34 36 ρ σ ξ 52 Homam ζ Enif ε 9 β 3 3 7 4 Kitalpha α ν 11 25 26 1 π 28 24 24 ζ ζ Sadalmelik α 32 γ Sadachbia 60 o Situla κ 44 30 21 20 16 15 Sadalsuud β 67 78 72 Bunda ξ 65 64 70 σ σ 58 54 37 38 40 42 45 50 74 75 τ² τ¹ 56 47 46 λ 50 18 μ 44 42 45 29 77 53 53 61 29 29 ι 31 30 35

43 41 57 56 55

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

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

87 75 47 74 49 48 40 39 76 53 57 Algenib 43 37 42 86 70 66 34 82 77 80 58 55 31 36 35 32 59 57 41 45 51 26 ω θ ι 7 Fumalsamakah β γ 19 22 25 44 16 λ κ 15 9 21 5

30 42

10 15 14 11 20 29 27 24 14 13 12 11 13 12 33 30 96 φ 82 χ 87 84 83 85 φ¹ 3 9 18 ψ³ ψ¹ 94 ω¹ ω² 97 6 1 104 103 107 107

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

Chart 44

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

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

31 30 43 45 57 59 58 71

Sculptor Galaxy

Ankaa

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

2h 1h50′ 1h40′ 1h30′ 1h20′ 1h10′ 1h 0h50′ 0h40′ 0h30′ 0h20′ 0h10′ 0h 23h50′ 23h40′ 23h30′

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

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′

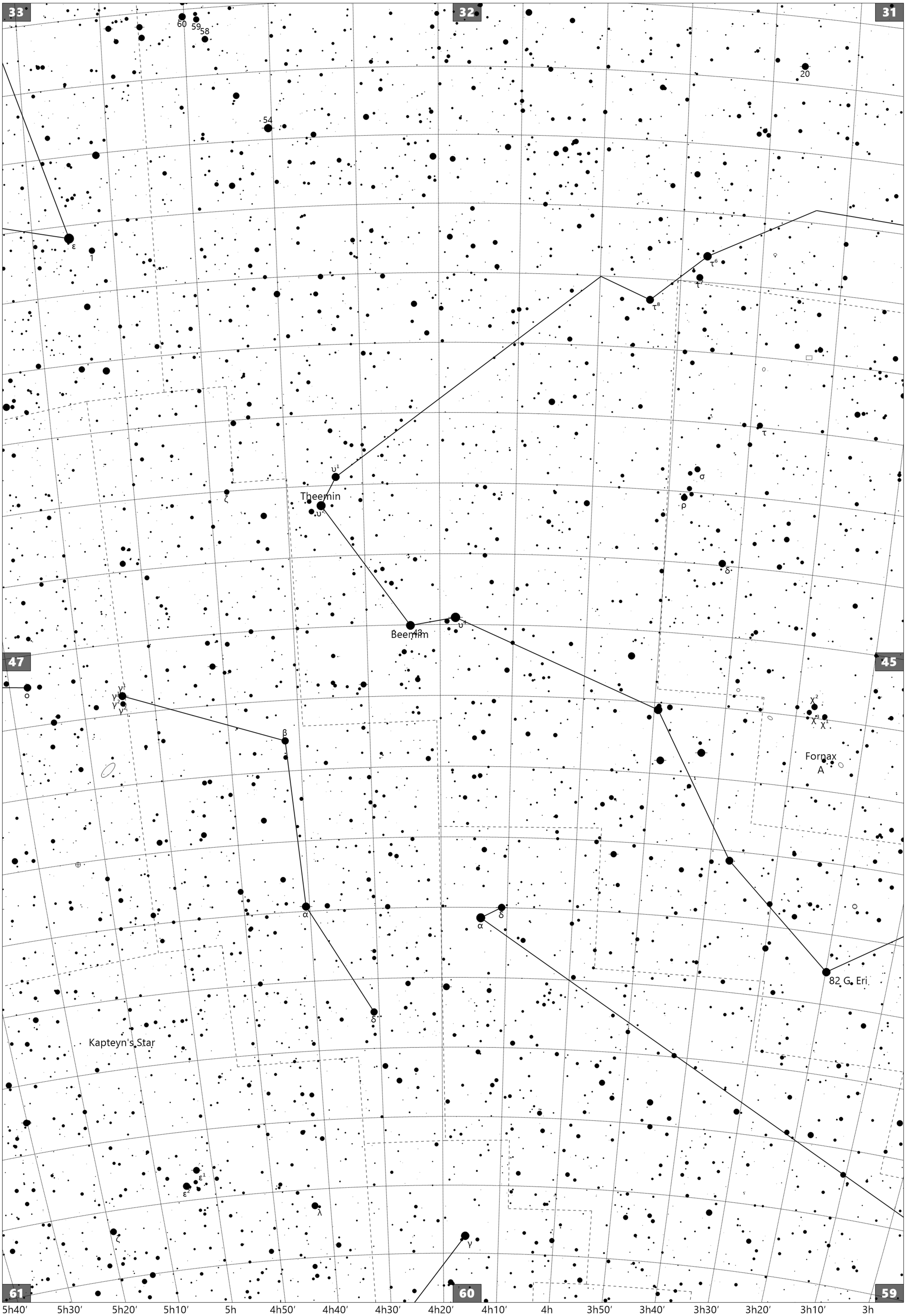
τ τ¹ τ² τ⁴ Angetenar 15 6 4 57 υ 56 γ¹ ζ ε γ² ωω α Dalim Dalim ο ι² ι¹ β ν π μ τ τ εε π φ λ² λ¹ ε³ ε² ε¹ χ² χ¹ χ³ Fornax A ψ ι θ¹ θ² Acamar Acamar 82 G. Eri φ χ κ ψ γ δ

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



www.josefpirkl.com/pi_starsmaps.php

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

Chart 47

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

34 33 32

Sirius α ι Mirzam β ν³ ν² ν¹ 17 19 π 17 12 ξ¹ o¹ δ γ 12 Arneb α 10 β Nihal

16° 18° 20° 22° 24°

ι σ ε Adhara ζ Furud 10 σ μ ν¹ ν²

26° 28° 30° 32°

48 δ λ Phakt α κ γ β Wazn ε o Elkurud θ ξ π² π¹ ε γ¹ γ² γ³

46 34° 36° 38° 40° 42°

ν Kapteyn's Star ε¹ ε² ζ τ β

44° 46° 48° 50° 52°

62 61 60

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

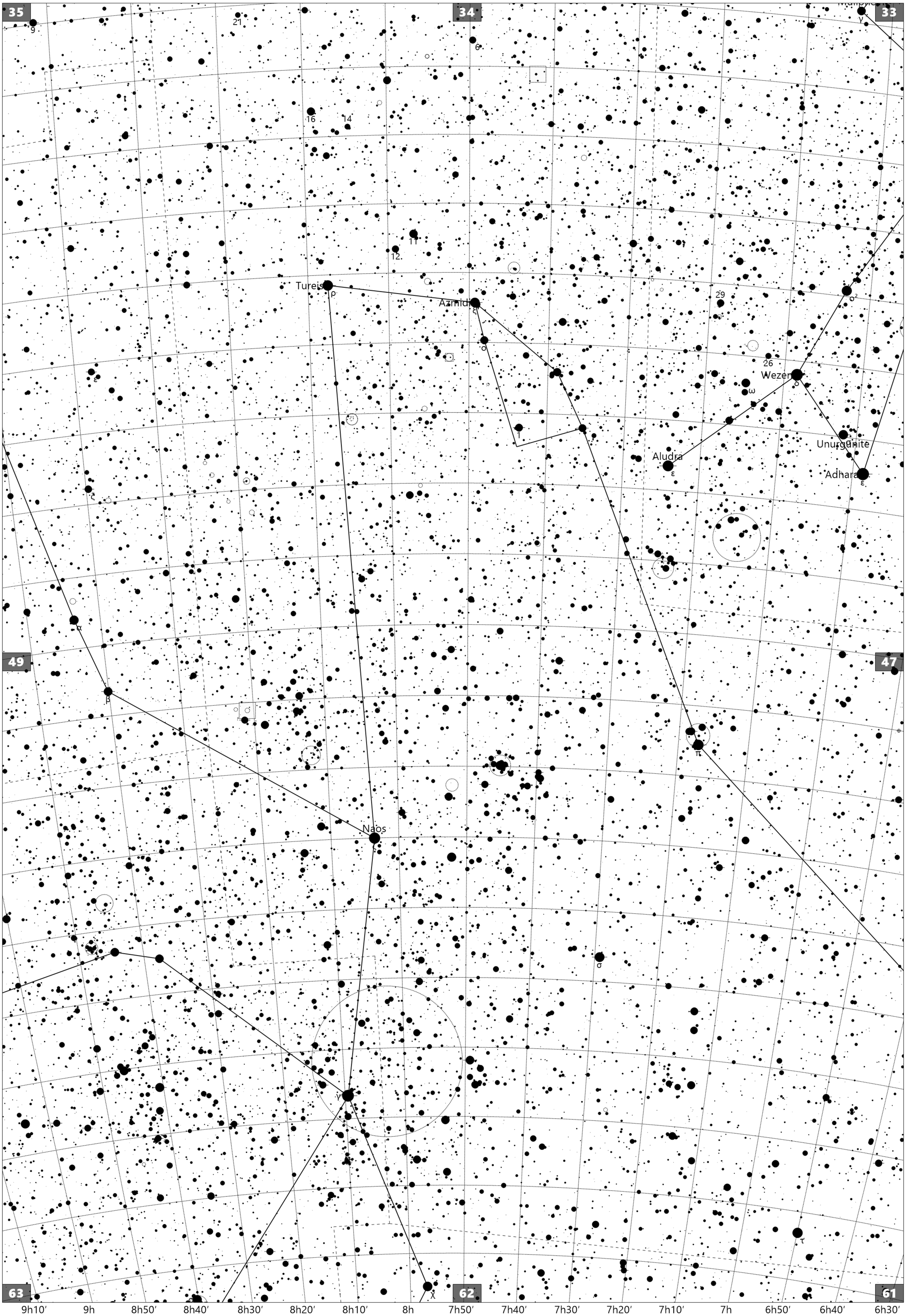
Canopus α

www.josefpirkl.com/pi_starsmaps.php

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

Chart 48

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

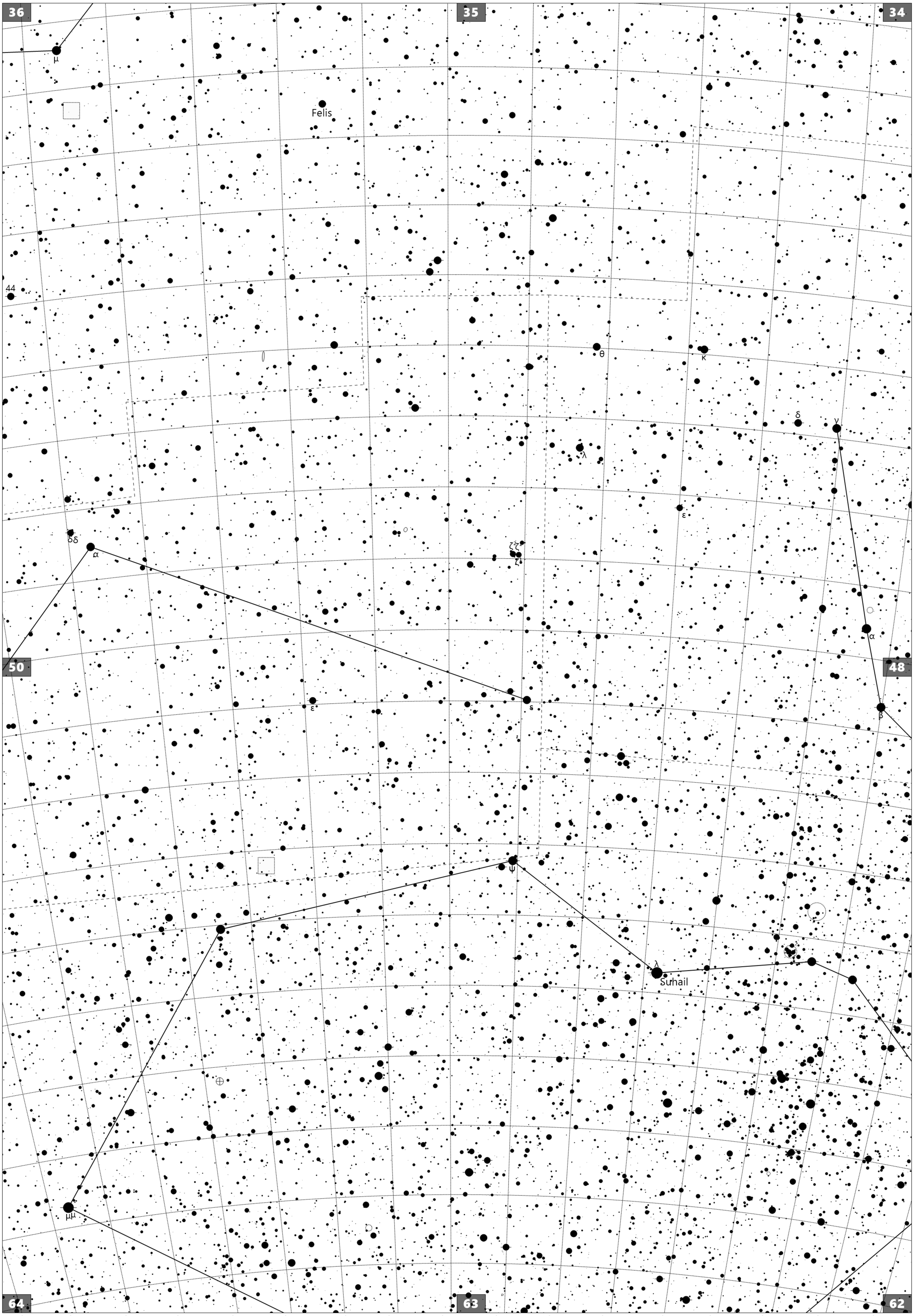


www.josefpirkl.com/pi_starsmaps.php

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

Chart 49

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

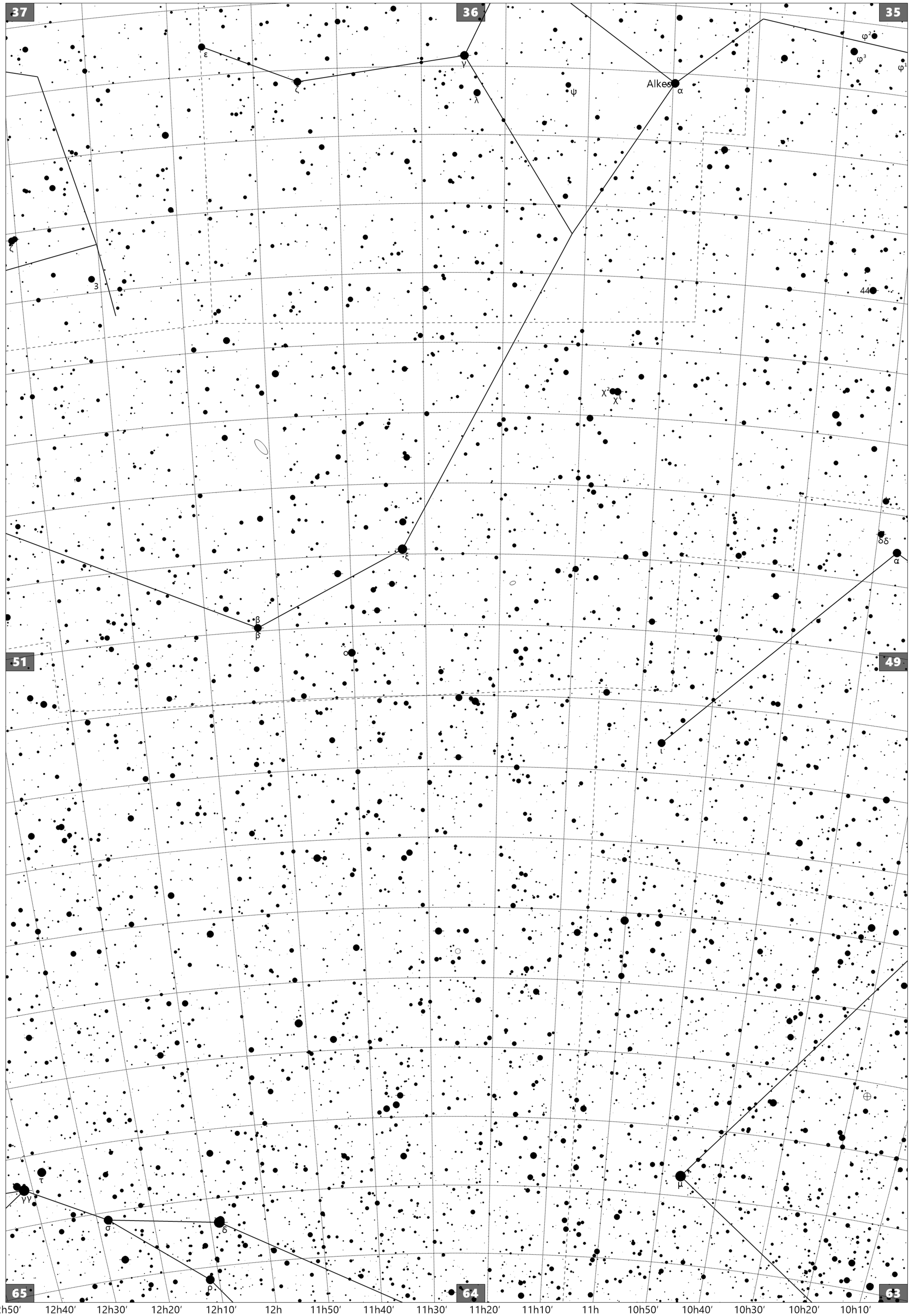


www.josefpirkl.com/pi_starsmaps.php

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

Chart 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 73 61 54 54 57 55 ε Algorab δ ζ ψ γ 6 48 π M83 Southern Pinwheel Galaxy 44 33 1 2 52 50 Menkent θ ι χ φ ν μ Hamburger Galaxy υ¹ υ² ξ¹ ξ² τ σ ρ δ

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

66 65 64

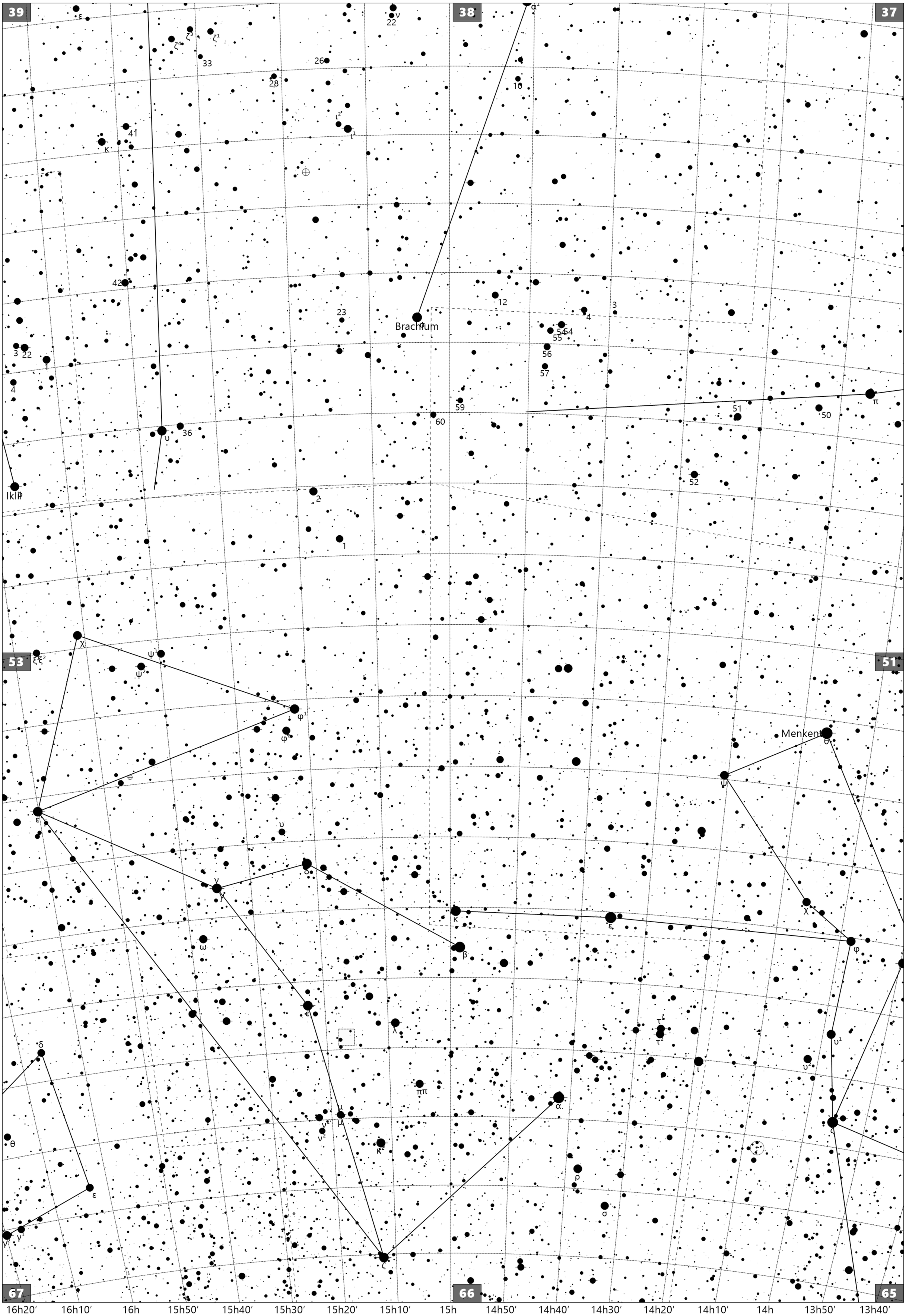
14h30′ 14h20′ 14h10′ 14h 13h50′ 13h40′ 13h30′ 13h20′ 13h10′ 13h 12h50′ 12h40′ 12h30′ 12h20′ 12h10′ 12h 11h50′

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



www.josefpirkl.com/pi_starsmaps.php

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

Chart 53

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

40 39 38 54 52 68 67 66

Sabik
Jabbah
Graffias
Alniyat
Antares
Fang
Paikauhale
Guniibuu
Larawag
Shaula
Lesath
Pipirima
Sargas
Cervantes
Pikiil

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

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

Chart 54

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

41 40 39 55 53 69 68 67

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′

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

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

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

56 54

70 69 68

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

Terebellum

Rukbat

Arkab Prior

Arkab Posterior

www.josefpirkl.com/pi_starsmaps.php

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

Chart 56

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

43 42 41

77 61 53 53 29 29 35 66 68 υ 41 41 47 49 20 ζ ε 19 21 Fomalhaut α δ γγ β λ ε ε 11 13 τ μ θ ι υ 5 π υυ ν σ² σ¹ ρ μ¹ μ² δ¹ δ² θθ ι π² π¹ β Ti ki ε Alnair α γ Aldhanab λ κ ε 37 38 δ 31 30 33 35 36 ζ φ 41 8 7 6 ξ θ² θ¹ ε ε ζ ι

57 55 71 70 69

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 7 101 101 99 100

ptor axy

κ² κ¹ κ¹ δ ι ζ μ ε θ λ¹ λ² λ¹ ο

Fomalhaut α δ γ β

Ankaa α κ ε μ β β λ² λ¹ ρ π τ σ ι θ θ

ππ ιι θθ τ³ τ¹ Tiaki β ε ζ φ

www.josefpirkl.com/pi_starsmaps.php

Chart 58

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

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

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 ν θ β ρ ν γ σ τ¹ τ² ι μ γ³ γ² γ¹ ξ ε β α λλ ψ

Small Magellanic Cloud

www.josefpirkl.com/pi_starsmaps.php

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°

φ χ ε ζ μ λ ν γ β ι δ κ ζ¹ α θθ ε β p Eridani p Eridani Achernar α Wurren ζ π² ε² π¹ ε¹ ε δ ρ κκ λ² λ¹ θ κ π θ Small Magellanic Cloud μ β γ ν λ ι σ μ τ¹ τ² θ γ ι δ ν ξ γ² γ¹ ξ ψ β ε θ ζ

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′ 22h 21h50′ 21h40′ 21h30′

www.josefpirkl.com/pi_starsmaps.php

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′ 8h 7h50′ 7h40′ 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′

Large Magellanic Cloud

www.josefpirkl.com/pi_starsmaps.php

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

Chart 61

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

48 47 46

62 60

Canopus α

Large Magellanic Cloud

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

11h 10h50′ 10h40′ 10h30′ 10h20′ 10h10′ 10h00′ 9h50′ 9h40′ 9h30′ 9h20′ 9h10′ 9h00′ 8h50′ 8h40′ 8h30′ 8h20′ 8h10′ 8h00′ 7h50′ 7h40′ 7h30′ 7h20′ 7h10′ 7h00′ 6h50′ 6h40′ 6h30′ 6h20′ 6h10′ 6h00′ 5h50′ 5h40′ 5h30′ 5h20′ 5h10′

72 72 72

www.josefpirkl.com/pi_starsmaps.php

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

Chart 62

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

49 48 47 63 61 72 72 72

Alsephina δ Vel
Avior ε Car
Miaplacidus β Car
α Pup
β Pup
α Vel
γ Vel
δ Vel
ε Vel
ζ Vel
θ Car
ι Car
κ Vel
λ Vel
μ Vel
ν Pup
π Pup
τ Pup
χ Car
ω Car
υ Car

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

12h50′ 12h40′ 12h30′ 12h20′ 12h10′ 12h 11h50′ 11h40′ 11h30′ 11h20′ 11h10′ 11h 10h50′ 10h40′ 10h30′ 10h20′ 10h10′ 10h 3h50′ 3h40′ 3h30′ 3h20′ 3h10′ 3h

www.josefpirkl.com/pi_starsmaps.php

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

Chart 63

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

50 49 48

φ Markeb κ Alsephina δ

Avior ε

υυ

α β

ω Miaplacidus β

λ θ ε ζ γ γ¹

κ² κ¹

π α θ

γ ε δ¹ δ² ε ι ζ

β μ² μ¹ ε θ ζ κ ι

ν

64 62

72 72 72

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

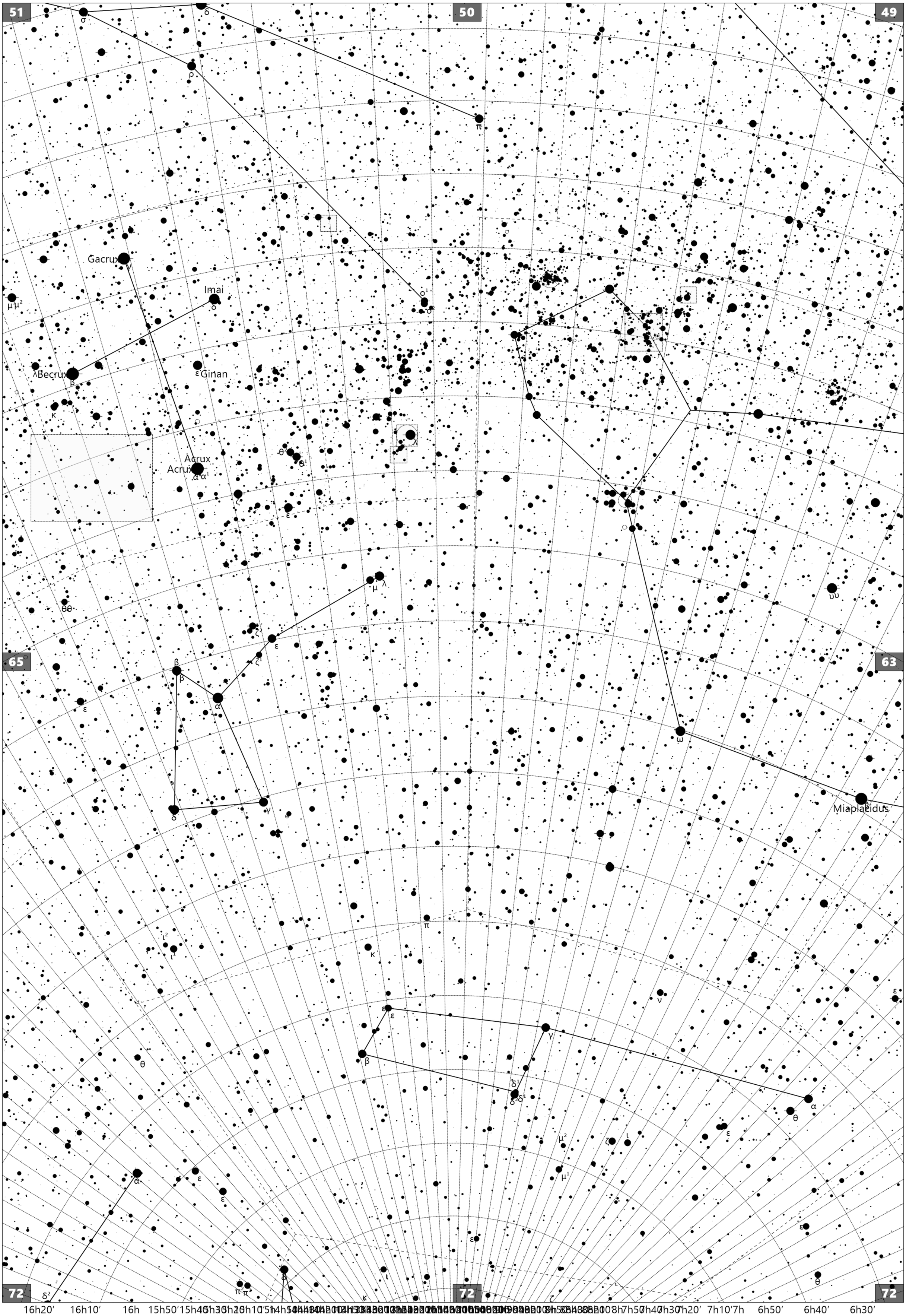
14h40′ 14h30′ 14h20′ 14h10′ 14h 13h50′ 5h40′ 5h30′ 5h20′ 5h10′ 5h 4h50′ 4h40′

www.josefpirkl.com/pi_starsmaps.php

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

Chart 64

RA:10.39;12.47 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 65

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

52 51 50 66 64 72 72 72

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

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

ε ρ δ μ μ² Gacrux γ λ Imai δ Becrux β κ Ginan ε Hadar β Hadar Rigil Kentaurus Toliman α α¹ Acrux α Acrux θ² θ ζ θ θ ε λ ε ζ ε ζ² β β α ζ¹ ε μ λ δ γ ι² ι¹ κ¹ κ² θ κ π γ α ε ε εε β γ δ¹ δ² ν δ² δ¹ β γ π² π¹ δ ρ ω ι ι κ

www.josefpirkl.com/pi_starsmaps.php

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

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

Tolimar
Rigil Kentaurus
Hadar
Hadar
Atria

67 65

72 72

20h 19h50′ 19h40′ 19h30′ 19h20′ 19h10′ 19h00′ 18h50′ 10h40′ 10h30′ 10h20′ 10h10′ 10h

www.josefpirkl.com/pi_starsmaps.php

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

54 53 52

Cervantes μ

ε² ε

π

β

ζ

γ

δ

ε

κ

ζ

ι¹ ι²

γ

δ

ξ ι

ν

π

ε

θ

δ

ι

β

ε

ε

ζ

ε¹

Atria

κ

68 66

ι

ζ

γ

ζ

κ² κ¹

φ

β

γ δ δ²

α

θ

ι² ι¹

ε

ε

μ¹

α

π²

π¹

ρ

δ

ω

β

ε

ε

72 72 72

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

21h40′ 21h30′ 21h20′ 21h10′ 21h 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 68

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

55 54 53

Cervantes

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

69 67 72 72 72

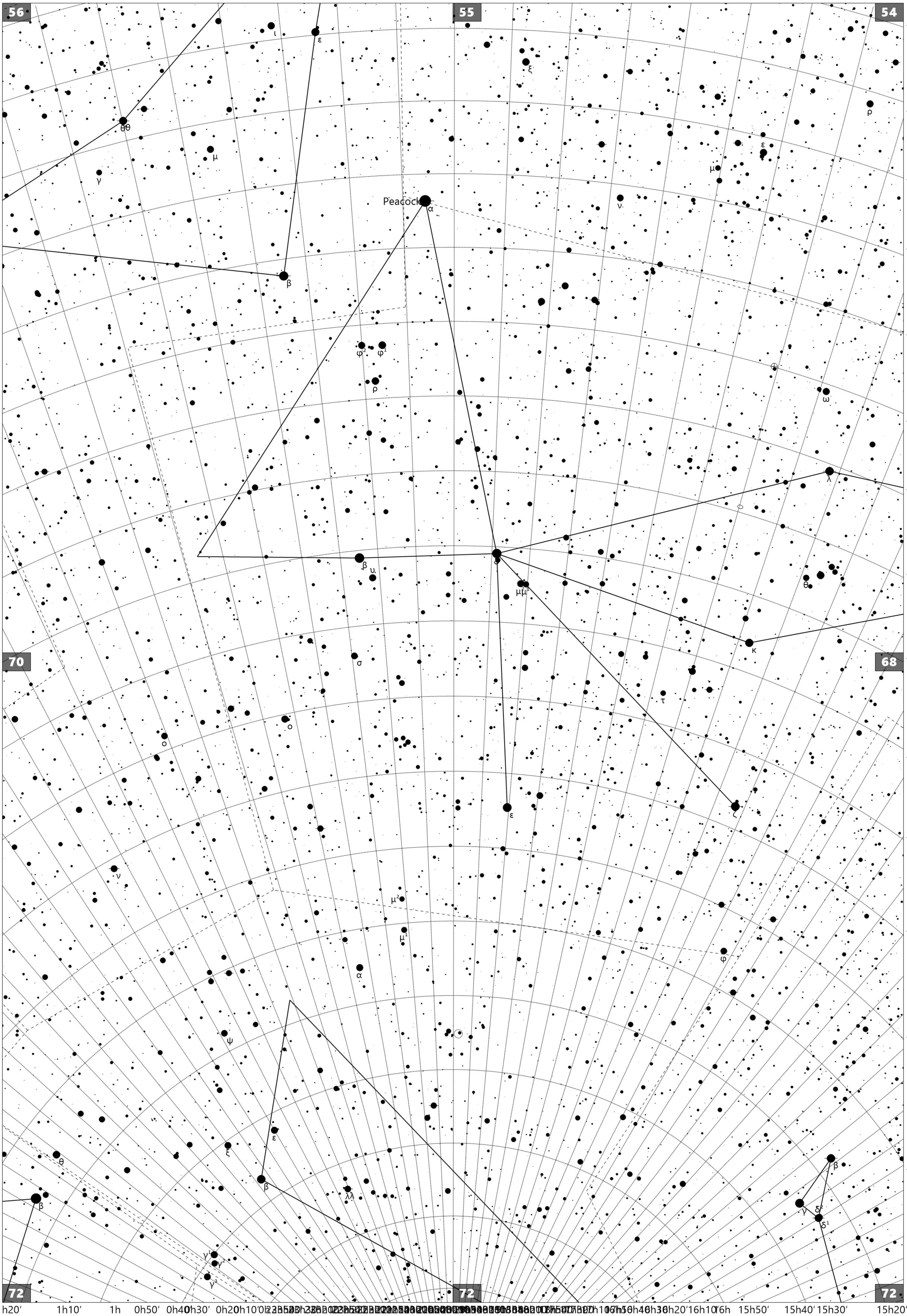
23h30′ 23h20′ 23h10′ 23h 22h50′ 22h40′ 22h30′ 22h20′ 22h10′ 22h 21h50′ 21h40′ 21h30′ 21h20′ 21h10′ 21h 20h50′ 20h40′ 20h30′ 20h20′ 20h10′ 20h 19h50′ 19h40′ 19h30′ 19h20′ 19h10′ 19h 18h50′ 18h40′ 18h30′ 18h20′ 18h10′ 18h 17h50′ 17h40′ 17h30′ 17h20′ 17h10′ 17h 16h50′ 16h40′ 16h30′ 16h20′ 16h10′ 16h 15h50′ 15h40′ 15h30′ 15h20′ 15h10′ 15h 14h50′ 14h40′ 14h30′ 14h20′ 14h10′ 14h 13h50′ 13h40′

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

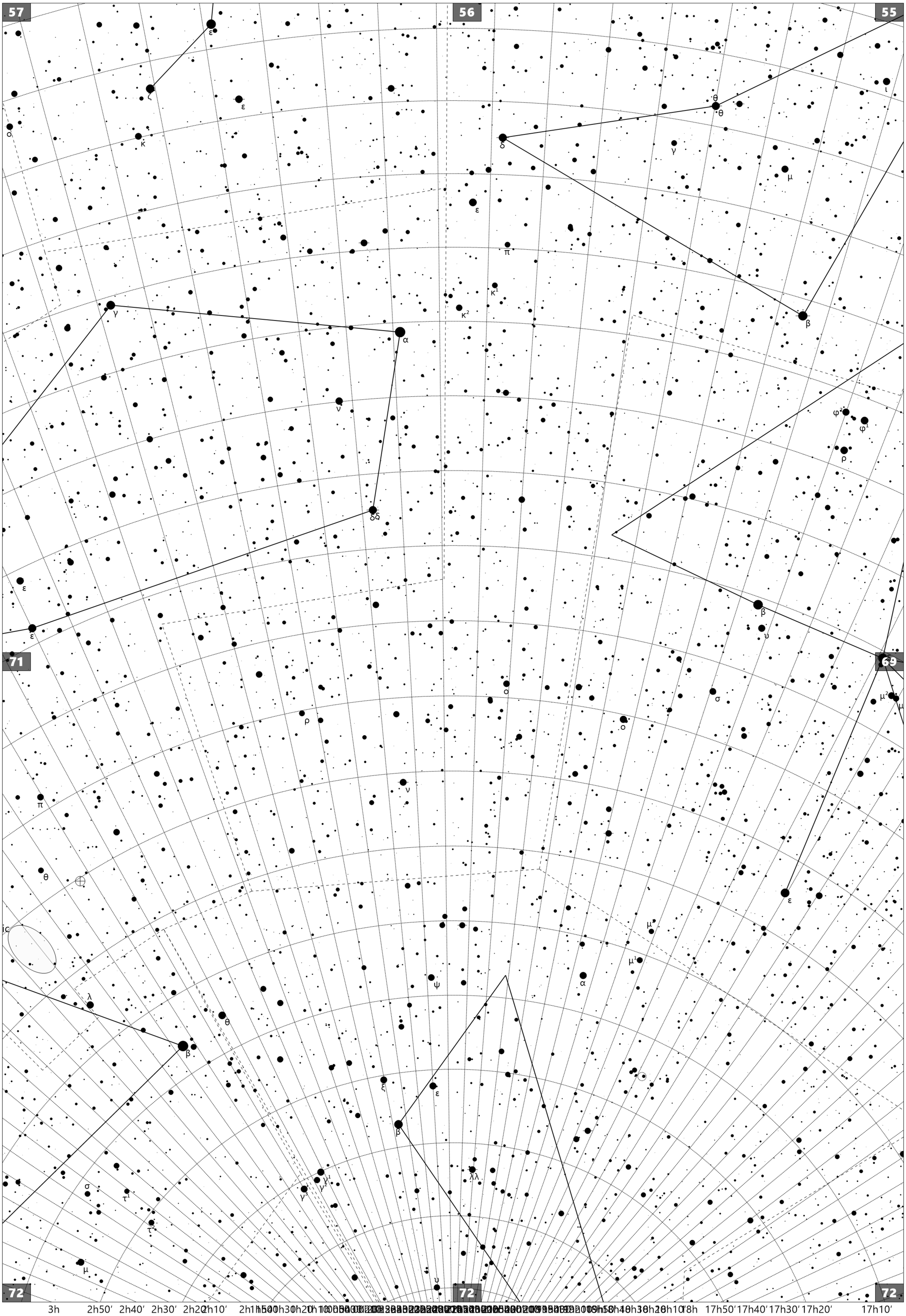


www.josefpirkl.com/pi_starsmaps.php

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

Chart 70

RA:21.08;23.16 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 71

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

44 57 56

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

Wurren ρ π ο ε ζ κ ε ξ ε ω γ ι β¹ β² ζ ε ρ α ν ε δδ κκ λ¹ λ² π ε¹ ε² θ Small Magellanic Cloud λ ο ν κ σ τ¹ τ² μ ι β γ³ γ² γ¹ ξ ε ψ α μ² μ¹ λλ ν

58 70 72 72 72

4h50′ 4h40′ 4h30′ 4h20′ 4h10′ 4h00′ 3h50′ 3h40′ 3h30′ 3h20′ 19h40′ 19h30′ 19h20′ 19h10′ 19h

www.josefpirkl.com/pi_starsmaps.php

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 ιι κ ω ζ χ Polaris Australis σ τ υ λ

www.josefpirkl.com/pi_starsmaps.php