

Celestial Sphere Models—Star Data

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Created: September 3, 2021

Last updated: September 9, 2021

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The number preceding the name of the star (or binary or multiple system of stars) refers to its approximate rank according to apparent magnitude. “RA” stands for “Right Ascension” and “Decl.” for “Declination”. A “v” following the apparent or absolute magnitude of a star (or system of stars) means that this value varies.

The sections are designated as two numbers separated by a slash. The first number refers to the spherical biangle sections and the second to the panel sections.

Greek Alphabet

α	alpha	ι	iota	ρ, ϱ	rho
β	beta	κ	kappa	σ, ς	sigma
γ	gamma	λ	lambda	τ	tau
δ	delta	μ	mu	υ	upsilon
ϵ, ε	epsilon	ν	nu	ϕ, φ	phi
ζ	zeta	ξ	xi	χ	chi
η	eta	\omicron	omicron	ψ	psi
θ, ϑ	theta	π, ϖ	pi	ω	omega

Constellations

Full name, genitive, abbreviation.

- | | |
|--|--|
| 1. Andromeda , Andromedae, And | 35. Equuleus , Equulei, Equ |
| 2. Antlia , Antliae, Ant | 36. Eridanus , Eridani, Eri |
| 3. Apus , Apodis, Aps | 37. Fornax , Fornacis, For |
| 4. Aquarius , Aquarii, Aqr | 38. Gemini , Geminorum, Gem |
| 5. Aquila , Aquilae, Aql | 39. Grus , Gruis, Gru |
| 6. Ara , Arae, Ara | 40. Hercules , Herculis, Her |
| 7. Aries , Arietis, Ari | 41. Horologium , Horologii, Hor |
| 8. Auriga , Aurigae, Aur | 42. Hydra , Hydrae, Hya |
| 9. Boötes , Boötis, Boo | 43. Hydrus , Hydri, Hyi |
| 10. Caelum , Caeli, Cae | 44. Indus , Indi, Ind |
| 11. Camelopardalis , Camelopardalis, Cam | 45. Lacerta , Lacertae, Lac |
| 12. Cancer , Cancri, Cnc | 46. Leo , Leonis, Leo |
| 13. Canes Venatici , Canum Venaticorum, CVn | 47. Leo Minor , Leonis Minoris, LMi |
| 14. Canis Major , Canis Majoris, CMa | 48. Lepus , Leporis, Lep |
| 15. Canis Minor , Canis Minoris, CMi | 49. Libra , Librae, Lib |
| 16. Capricornus , Capricorni, Cap | 50. Lupus , Lupi, Lup |
| 17. Carina , Carinae, Car | 51. Lynx , Lyncis, Lyn |
| 18. Cassiopeia , Cassiopeiae, Cas | 52. Lyra , Lyrae, Lyr |
| 19. Centaurus , Centauri, Cen | 53. Mensa , Mensae, Men |
| 20. Cepheus , Cephei, Cep | 54. Microscopium , Microscopii, Mic |
| 21. Cetus , Ceti, Cet | 55. Monoceros , Monocerotis, Mon |
| 22. Chamaeleon , Chamaeleontis, Cha | 56. Musca , Muscae, Mus |
| 23. Circinus , Circini, Cir | 57. Norma , Normae, Nor |
| 24. Columba , Columbae, Col | 58. Octans , Octantis, Oct |
| 25. Coma Berenices , Comae Berenices, Com | 59. Ophiuchus , Ophiuchi, Oph |
| 26. Corona Borealis , Coronae Borealis, CrB | 60. Orion , Orionis, Ori |
| 27. Corona Australis , Coronae Australis, Cra | 61. Pavo , Pavonis, Pav |
| 28. Corvus , Corvi, Crv | 62. Pegasus , Pegasi, Peg |
| 29. Crater , Crateris, Crt | 63. Perseus , Persei, Per |
| 30. Crux , Crucis, Cru | 64. Phoenix , Phoenicis, Phe |
| 31. Cygnus , Cygni, Cyg | 65. Pictor , Pictoris, Pic |
| 32. Delphinus , Delphini, Del | 66. Pisces , Piscium, Psc |
| 33. Dorado , Doradus, Dor | 67. Piscis Austrinus , Piscis Austrini, PsA |
| 34. Draco , Draconis, Dra | 68. Puppis , Puppis, Pup |

- | | |
|--|---|
| 69. Pyxis , Pyxidis, Pyx | 79. Telescopium , Telescopii, Tel |
| 70. Reticulum , Reticuli, Ret | 80. Triangulum , Trianguli, Tri |
| 71. Sagitta , Sagittae, Sge | 81. Triangulum Australe , Trianguli Australis, TrA |
| 72. Sagittarius , Sagittarii, Sgr | 82. Tucana , Tucanae, Tuc |
| 73. Scorpius , Scorpii, Sco | 83. Ursa Major , Ursae Majoris, UMa |
| 74. Sculptor , Sculptoris, Scl | 84. Ursa Minor , Ursae Minoris, UMi |
| 75. Scutum , Scuti, Sct | 85. Vela , Velorum, Vel |
| 76. Serpens , Serpentis, Ser | 86. Virgo , Virginis, Vir |
| 77. Sextans , Sextantis, Sex | 87. Volans , Volantis, Vol |
| 78. Taurus , Tauri, Tau | 88. Vulpecula , Vulpeculae, Vul |

Stars Sorted Alphabetically

151. Acamar θ^1 Eridani

Constellation: Eridanus

RA 2h 58' 15.6792"

Decl. $-40^\circ 18' 16.8457''$

Section 2/2

Apparent magnitude: 2.88

Absolute magnitude: -0.59

9. Achernar α Eridani

Constellation: Eridanus

RA 1h 38' 24"

Decl. $-57^\circ 8' 36''$

Section 2/2

Apparent magnitude: 0.45

Absolute magnitude: -2.77

22. Adhara ϵ Canis Majoris

Constellation: Canis Major

RA 6h 59' 21.2"

Decl. $-28^\circ 59' 5''$

Section 3/5

Apparent magnitude: 1.5

Absolute magnitude: -4.1

152. Albaldah π Sagittarii

Constellation: Sagittarius

RA 19h 10' 51.8"

Decl. $-20^\circ 59' 3''$

Section 7/13

Apparent magnitude: 2.88

Absolute magnitude: -2.77

157. Albireo β Cygni

Constellation: Cygnus

RA 19h 31' 28.1"

Decl. $27^\circ 59' 5''$

Section 8/14

Apparent magnitude: 2.9

Absolute magnitude: -2.31

143. Alcyone η Tauri

Constellation: Taurus

RA 3h 48' 35.3"

Decl. $24^\circ 9' 4''$

Section 2/3

Apparent magnitude: 2.85

Absolute magnitude: -2.41

14. Aldebaran α Tauri

Constellation: Taurus

RA 4h 36' 59.1"

Decl. $16^\circ 32' 4''$

Section 3/4

Apparent magnitude: 0.86v

Absolute magnitude: -0.64v

89. Alderamin α Cephei

Constellation: Cepheus

RA 21h 19' 1.2"

Decl. $62^\circ 39' 5''$

Section 8/15

Apparent magnitude: 2.45

Absolute magnitude: 1.58

58. Al Dhanab β Gruis

Constellation: Grus

RA 22h 43' 45.8"

Decl. $-46^\circ 47' 14''$

Section 1/16

Apparent magnitude: 2.07v

Absolute magnitude: 1.52

120. Aldhibain η Draconis

Constellation: Draco

RA 16h 24' 14.7"

Decl. $61^\circ 28' 2''$

Section 6/11

Apparent magnitude: 2.73

Absolute magnitude: 0.58

137. Algenib γ Pegasi

Constellation: Pegasus

RA 0h 14' 11.4"

Decl. $15^\circ 17' 1''$

Section 1/1

Apparent magnitude: 2.83

Absolute magnitude: -2.22

49. Algieba γ Leonis

Constellation: Leo

RA 10h 19' 58.3506"

Decl. $19^\circ 50' 29.3468''$

Section 4/7

Apparent magnitude: 2

Absolute magnitude: -0.93

60. Algol β Persei

Constellation: Perseus

RA 3h 9' 22.8"

Decl. $41^\circ 1' 3''$

Section 2/3

Apparent magnitude: 2.09

Absolute magnitude: 0.18

163. Algorel δ Corvi

Constellation: Corvus

RA 12h 30' 49.4"

Decl. $-16^\circ 37' 0''$

Section 5/9

Apparent magnitude: 2.94

Absolute magnitude: 0.79

166. Alheka ζ Tauri

Constellation: Taurus

RA 5h 38' 45.1"

Decl. $21^\circ 9' 0''$

Section 3/4

Apparent magnitude: 2.97

Absolute magnitude: -2.56

43. Alhena γ Geminorum

Constellation: Gemini

RA 6h 38' 46.8"

Decl. $16^\circ 22' 5''$

Section 3/5

Apparent magnitude: 1.93

Absolute magnitude: -0.6

32. Alioth ϵ Ursae Majoris

Constellation: Ursa Major

RA 12h 54' 50.3"

Decl. $55^\circ 51' 3''$

Section 5/9

Apparent magnitude: 1.77

Absolute magnitude: -0.2

38. Alkaid η Ursae Majoris

Constellation: Ursa Major

RA 13h 48' 16.1"

Decl. $49^\circ 13' 1''$

Section 6/10

Apparent magnitude: 1.86

Absolute magnitude: -0.59

181. Almaaz

ε Aurigae
 Constellation: Auriga
 RA 5h 3' 18"
 Decl. 43° 50' 5"
 Section 3/4
 Apparent magnitude: 3.03
 Absolute magnitude: -5.95

61. Almach

γ Andromedae
 Constellation: Andromeda
 RA 2h 3' 53.9523"
 Decl. 42° 19' 47.0223"
 Section 2/2
 Apparent magnitude: 2.1
 Absolute magnitude: -3.08

30. Alnair

α Gruis
 Constellation: Grus
 RA 22h 9' 23.4"
 Decl. -46° 52' 14"
 Section 8/15
 Apparent magnitude: 1.74
 Absolute magnitude: -0.72

168. Alnasl

γ Sagittarii
 Constellation: Sagittarius
 RA 18h 6' 59.8"
 Decl. -30° 25' 2"
 Section 7/13
 Apparent magnitude: 2.98
 Absolute magnitude: 0.63

29. Alnilam

ε Orionis
 Constellation: Orion
 RA 5h 37' 9.2"
 Decl. -1° 11' 2"
 Section 3/4
 Apparent magnitude: 1.69
 Absolute magnitude: -6.38

31. Alnitak

ζ Orionis
 Constellation: Orion
 RA 5h 41' 41.6"
 Decl. -1° 56' 0"
 Section 3/4
 Apparent magnitude: 1.75
 Absolute magnitude: -5.25

156. Alniyat

σ Scorpii
 Constellation: Scorpius
 RA 16h 22' 19"
 Decl. -25° 38' 0"
 Section 6/11
 Apparent magnitude: 2.9v
 Absolute magnitude: -3.86v

3. α Centauri

Constellation: Centaurus
 RA 14h 39' 35.0631"
 Decl. -60° 50' 15.0992"
 Section 6/10
 Apparent magnitude: -0.29
 Absolute magnitude: 4.06

146. α Hydri

Constellation: Hydrus
 RA 1h 59' 21.1"
 Decl. -61° 28' 49"
 Section 2/2
 Apparent magnitude: 2.86
 Absolute magnitude: 1.16

198. α Lyncis

Constellation: Lynx
 RA 9h 22' 10.6"
 Decl. 34° 18' 4"
 Section 4/7
 Apparent magnitude: 3.14
 Absolute magnitude: -1.02

114. α Muscae

Constellation: Musca
 RA 12h 38' 18.4"
 Decl. -69° 14' 14"
 Section 5/9
 Apparent magnitude: 2.69
 Absolute magnitude: -2.17

47. Alphard

α Hydrae
 Constellation: Hydra
 RA 9h 28' 29.8"
 Decl. -8° 44' 2"
 Section 4/7
 Apparent magnitude: 1.98
 Absolute magnitude: -1.7

150. α Tucanae

Constellation: Tucana
 RA 22h 19' 45.2"
 Decl. -60° 10' 0"
 Section 8/15
 Apparent magnitude: 2.87
 Absolute magnitude: -1.05

67. Alphecca

α Coronae Borealis
 Constellation: Corona Borealis
 RA 15h 35' 28.3"
 Decl. 26° 39' 1"
 Section 6/11
 Apparent magnitude: 2.22
 Absolute magnitude: 0.42

54. Alpheratz

α Andromedae
 Constellation: Andromeda
 RA 0h 9' 20.9"
 Decl. 29° 11' 3"
 Section 1/1
 Apparent magnitude: 2.07
 Absolute magnitude: -0.3

12. Altair

α Aquilae
 Constellation: Aquila
 RA 19h 51' 41.1"
 Decl. 8° 55' 0"
 Section 8/14
 Apparent magnitude: 0.77
 Absolute magnitude: 2.21

88. Aludra

η Canis Majoris
 Constellation: Canis Major
 RA 7h 24' 49.6"
 Decl. -29° 20' 2"
 Section 3/5
 Apparent magnitude: 2.45
 Absolute magnitude: -7.51

84. Ankaa

α Phoenicis
 Constellation: Phoenix
 RA 0h 27' 11.7"
 Decl. -42° 12' 20"
 Section 1/1
 Apparent magnitude: 2.4
 Absolute magnitude: 0.52

15. Antares

α Scorpii
 Constellation: Scorpius
 RA 16h 30' 32.7"
 Decl. -26° 28' 1"
 Section 7/12
 Apparent magnitude: 0.95v
 Absolute magnitude: -5.39v

4. Arcturus

α Boötis
 Constellation: Boötes
 RA 14h 16' 30.3"
 Decl. 19° 5' 1"
 Section 6/10
 Apparent magnitude: -0.05
 Absolute magnitude: -0.31

98. Arneb

α Leporis
 Constellation: Lepus
 RA 5h 33' 32.8"
 Decl. -17° 48' 3"
 Section 3/4
 Apparent magnitude: 2.58
 Absolute magnitude: -5.4

101. Ascella

ζ Sagittarii
 Constellation: Sagittarius
 RA 19h 3' 47.2"
 Decl. -29° 51' 0"
 Section 7/13
 Apparent magnitude: 2.6
 Absolute magnitude: 0.42

66. Aspidiske

ι Carinae
 Constellation: Carina
 RA 9h 17' 35.1"
 Decl. -59° 21' 12"
 Section 4/7
 Apparent magnitude: 2.21v
 Absolute magnitude: -4.42

42. Atria

α Trianguli Australis
 Constellation: Triangulum Australe
 RA 16h 48' 39.8951"
 Decl. -69° 1' 39.7626"
 Section 7/12
 Apparent magnitude: 1.92
 Absolute magnitude: -3.61

40. Avior

ε Carinae
 Constellation: Carina
 RA 8h 22' 53.5"
 Decl. -59° 34' 10"
 Section 4/6
 Apparent magnitude: 1.87
 Absolute magnitude: -4.57

26. Bellatrix

γ Orionis
 Constellation: Orion
 RA 5h 26' 7.5"
 Decl. 6° 21' 5"
 Section 3/4
 Apparent magnitude: 1.64
 Absolute magnitude: -2.72

141. β Aræ

Constellation: Ara
 RA 17h 26' 50.5"
 Decl. -55° 32' 43"
 Section 7/12
 Apparent magnitude: 2.84
 Absolute magnitude: -3.49

134. β Hydri

Constellation: Hydrus
 RA 0h 26' 41.9"
 Decl. -77° 9' 1"
 Section 1/1
 Apparent magnitude: 2.82
 Absolute magnitude: 3.45

182. β Muscæ

Constellation: Musca
 RA 12h 47' 26.1"
 Decl. -68° 12' 32"
 Section 5/9
 Apparent magnitude: 3.04
 Absolute magnitude: -1.86

139. β Trianguli Australis

Constellation: Triangulum Australe
 RA 15h 56' 47.3"
 Decl. -63° 29' 9"
 Section 6/11
 Apparent magnitude: 2.83
 Absolute magnitude: 2.38

172. β Trianguli

Constellation: Triangulum
 RA 2h 10' 39.1"
 Decl. 35° 4' 2"
 Section 2/2
 Apparent magnitude: 3
 Absolute magnitude: 0.09

10. Betelgeuse

α Orionis
 Constellation: Orion
 RA 5h 56' 10.4"
 Decl. 7° 24' 3"
 Section 3/4
 Apparent magnitude: 0.55v
 Absolute magnitude: -5.04v

2. Canopus

α Carinae
 Constellation: Carina
 RA 6h 24' 21.8"
 Decl. -52° 42' 23"
 Section 3/5
 Apparent magnitude: -0.73
 Absolute magnitude: -5.64

6. Capella

α Aurigae
 Constellation: Auriga
 RA 5h 18' 3.5"
 Decl. 46° 0' 5"
 Section 3/4
 Apparent magnitude: 0.07
 Absolute magnitude: -0.49

74. Caph

β Cassiopeiae
 Constellation: Cassiopeia
 RA 0h 10' 10.6"
 Decl. 59° 15' 0"
 Section 1/1
 Apparent magnitude: 2.28
 Absolute magnitude: 1.17

23. Castor

α Geminorum
 Constellation: Gemini
 RA 7h 34' 35.863"
 Decl. 31° 53' 17.79"
 Section 4/6
 Apparent magnitude: 1.58
 Absolute magnitude: 0.59

125. Cebalrai

β Ophiuchi
 Constellation: Ophiuchus
 RA 17h 44' 23.2"
 Decl. 4° 33' 3"
 Section 7/12
 Apparent magnitude: 2.76
 Absolute magnitude: 0.76

142. Choo

α Arae
 Constellation: Ara
 RA 17h 33' 16.4"
 Decl. -49° 53' 20"
 Section 7/12
 Apparent magnitude: 2.84
 Absolute magnitude: -1.51

63. Cih

γ Cassiopeiae
 Constellation: Cassiopeia
 RA 0h 57' 50.4"
 Decl. 60° 48' 5"
 Section 1/1
 Apparent magnitude: 2.15v
 Absolute magnitude: -4.22

130. Cor Caroli 2

α² Canum Venaticorum
 Constellation: Canes Venatici
 RA 12h 56' 1.66622"
 Decl. 38° 19' 6.1541"
 Section 5/9
 Apparent magnitude: 2.98v
 Absolute magnitude: 0.16

184. Dabih

β Capricorni
 Constellation: Capricornus
 RA 20h 22' 2.9"
 Decl. -14° 43' 1"
 Section 8/14
 Apparent magnitude: 3.05
 Absolute magnitude: -2.07

99. δ Centauri

Constellation: Centaurus
 RA 12h 9' 19.5"
 Decl. -50° 49' 31"
 Section 5/9
 Apparent magnitude: 2.58v
 Absolute magnitude: -2.84

128. δ Crucis

Constellation: Crux
 RA 12h 16' 8.3"
 Decl. $-58^{\circ} 51' 6''$
 Section 5/9
 Apparent magnitude: 2.79
 Absolute magnitude: -2.45

147. δ Cygni

Constellation: Cygnus
 RA 19h 45' 33.2"
 Decl. $45^{\circ} 10' 3''$
 Section 8/14
 Apparent magnitude: 2.86
 Absolute magnitude: -0.74

177. δ Persei

Constellation: Perseus
 RA 3h 44' 15"
 Decl. $47^{\circ} 50' 4''$
 Section 2/3
 Apparent magnitude: 3.01
 Absolute magnitude: -3.04

145. Deneb Algedi

δ Capricorni
 Constellation: Capricornus
 RA 21h 48' 3.6"
 Decl. $-16^{\circ} 2' 3''$
 Section 8/15
 Apparent magnitude: 2.85
 Absolute magnitude: 2.49

19. Deneb

α Cygni
 Constellation: Cygnus
 RA 20h 42' 3.8"
 Decl. $45^{\circ} 20' 5''$
 Section 8/14
 Apparent magnitude: 1.24
 Absolute magnitude: -8.74

171. Deneb el Okab

ζ Aquilae
 Constellation: Aquila
 RA 19h 6' 15.6"
 Decl. $13^{\circ} 53' 3''$
 Section 7/13
 Apparent magnitude: 2.99
 Absolute magnitude: 0.96

62. Denebola

β Leonis
 Constellation: Leo
 RA 11h 50' 0.1"
 Decl. $14^{\circ} 28' 0''$
 Section 5/8
 Apparent magnitude: 2.14
 Absolute magnitude: 1.92

51. Diphda

β Ceti
 Constellation: Cetus
 RA 0h 44' 31"
 Decl. $-17^{\circ} 53' 0''$
 Section 1/1
 Apparent magnitude: 2.04
 Absolute magnitude: -0.3

76. Dschubba

δ Scorpii
 Constellation: Scorpius
 RA 16h 1' 25.8"
 Decl. $-22^{\circ} 40' 2''$
 Section 6/11
 Apparent magnitude: 2.29
 Absolute magnitude: -3.16

34. Dubhe

α Ursae Majoris
 Constellation: Ursa Major
 RA 11h 4' 51.2"
 Decl. $61^{\circ} 39' 0''$
 Section 5/8
 Apparent magnitude: 1.8
 Absolute magnitude: -1.09

27. Elnath

β Tauri
 Constellation: Taurus
 RA 5h 27' 27.8"
 Decl. $28^{\circ} 37' 1''$
 Section 3/4
 Apparent magnitude: 1.66
 Absolute magnitude: -1.36

72. Eltanin

γ Draconis
 Constellation: Draco
 RA 17h 57' 2.2"
 Decl. $51^{\circ} 29' 1''$
 Section 7/12
 Apparent magnitude: 2.24
 Absolute magnitude: -1.04

82. Enif

ϵ Pegasi
 Constellation: Pegasus
 RA 21h 45' 5.7"
 Decl. $9^{\circ} 57' 3''$
 Section 8/15
 Apparent magnitude: 2.38
 Absolute magnitude: -4.19

75. ϵ Centauri

Constellation: Centaurus
 RA 13h 41' 4.3"
 Decl. $-53^{\circ} 33' 35''$
 Section 6/10
 Apparent magnitude: 2.29
 Absolute magnitude: -3.02

155. ϵ Persei

Constellation: Perseus
 RA 3h 59' 6.1"
 Decl. $40^{\circ} 3' 4''$
 Section 2/3
 Apparent magnitude: 2.9
 Absolute magnitude: -3.19

79. η Centauri

Constellation: Centaurus
 RA 14h 36' 41.4"
 Decl. $-42^{\circ} 14' 17''$
 Section 6/10
 Apparent magnitude: 2.33v
 Absolute magnitude: -2.55

188. η Sagittarii

Constellation: Sagittarius
 RA 18h 18' 52.7"
 Decl. $-36^{\circ} 45' 16''$
 Section 7/13
 Apparent magnitude: 3.1
 Absolute magnitude: -0.2

18. Fomalhaut

α Piscis Austrini
 Constellation: Piscis Austrinus
 RA 22h 57' 39.0465"
 Decl. $-29^{\circ} 37' 20.05''$
 Section 1/16
 Apparent magnitude: 1.15
 Absolute magnitude: 1.72

25. Gacrux

γ Crucis
 Constellation: Crux
 RA 12h 32' 12.2"
 Decl. $-57^{\circ} 13' 0''$
 Section 5/9
 Apparent magnitude: 1.63
 Absolute magnitude: -0.52

176. γ Gruis

Constellation: Grus
 RA 21h 55' 2.6"
 Decl. $-37^{\circ} 16' 37''$
 Section 8/15
 Apparent magnitude: 3
 Absolute magnitude: -0.97

169. γ Hydrae

Constellation: Hydra
 RA 13h 19' 55.9"
 Decl. $-23^{\circ} 16' 0''$
 Section 5/9
 Apparent magnitude: 2.99
 Absolute magnitude: -0.05

131. γ Lupi

Constellation: Lupus
RA 15h 36' 22.8"
Decl. $-41^{\circ} 13' 39''$
Section 6/11
Apparent magnitude: 2.8
Absolute magnitude: -3.4

159. γ Persei

Constellation: Perseus
RA 3h 6' 8.9"
Decl. $53^{\circ} 34' 3''$
Section 2/3
Apparent magnitude: 2.91
Absolute magnitude: -1.57

149. γ Trianguli Australis

Constellation: Triangulum Australe
RA 15h 18' 54.582"
Decl. $-68^{\circ} 40' 46.3654''$
Section 6/11
Apparent magnitude: 2.87
Absolute magnitude: -0.87

91. Gienah

ϵ Cygni
Constellation: Cygnus
RA 20h 46' 57.6"
Decl. $34^{\circ} 2' 2''$
Section 8/14
Apparent magnitude: 2.48
Absolute magnitude: 0.76

100. Gienah Ghurab

γ Corvi
Constellation: Corvus
RA 12h 16' 45.6"
Decl. $-17^{\circ} 38' 4''$
Section 5/9
Apparent magnitude: 2.58
Absolute magnitude: -0.94

83. Girtab

κ Scorpii
Constellation: Scorpius
RA 17h 43' 46.1"
Decl. $-39^{\circ} 2' 16''$
Section 7/12
Apparent magnitude: 2.39
Absolute magnitude: -3.38

153. Gomeisa

β Canis Minoris
Constellation: Canis Minor
RA 7h 28' 9.2"
Decl. $8^{\circ} 15' 0''$
Section 3/5
Apparent magnitude: 2.89
Absolute magnitude: -0.7

11. Hadar

β Centauri
Constellation: Centaurus
RA 14h 5' 8.7"
Decl. $-60^{\circ} 27' 41''$
Section 6/10
Apparent magnitude: 0.61
Absolute magnitude: -5.42

50. Hamal

α Arietis
Constellation: Aries
RA 2h 8' 13.2"
Decl. $23^{\circ} 32' 5''$
Section 2/2
Apparent magnitude: 2.01
Absolute magnitude: 0.48

94. Han

ζ Ophiuchi
Constellation: Ophiuchus
RA 16h 38' 10.8"
Decl. $-10^{\circ} 36' 1''$
Section 7/12
Apparent magnitude: 2.54
Absolute magnitude: -3.2

112. Hassaleh

ι Aurigae
Constellation: Auriga
RA 4h 58' 12.1"
Decl. $33^{\circ} 11' 3''$
Section 3/4
Apparent magnitude: 2.69
Absolute magnitude: -3.29

123. Hatysa

ι Orionis
Constellation: Orion
RA 5h 36' 20.3"
Decl. $-5^{\circ} 53' 5''$
Section 3/4
Apparent magnitude: 2.75
Absolute magnitude: -5.3

170. ι^1 Scorpii

Constellation: Scorpius
RA 17h 48' 52.8"
Decl. $-40^{\circ} 7' 56''$
Section 7/12
Apparent magnitude: 2.99
Absolute magnitude: -5.71

124. ι Centauri

Constellation: Centaurus
RA 13h 21' 38.6"
Decl. $-36^{\circ} 48' 34''$
Section 5/9
Apparent magnitude: 2.75
Absolute magnitude: 1.48

81. Izar

ϵ Boötis
Constellation: Boötes
RA 14h 45' 47.7"
Decl. $26^{\circ} 59' 4''$
Section 6/10
Apparent magnitude: 2.35
Absolute magnitude: -1.69

37. Kaus Australis

ϵ Sagittarii
Constellation: Sagittarius
RA 18h 25' 24"
Decl. $-34^{\circ} 22' 2''$
Section 7/13
Apparent magnitude: 1.84
Absolute magnitude: -1.39

136. Kaus Borealis

λ Sagittarii
Constellation: Sagittarius
RA 18h 29' 6.7"
Decl. $-25^{\circ} 24' 3''$
Section 7/13
Apparent magnitude: 2.82
Absolute magnitude: 0.95

117. Kaus Meridionalis

δ Sagittarii
Constellation: Sagittarius
RA 18h 22' 10.7"
Decl. $-29^{\circ} 49' 0''$
Section 7/13
Apparent magnitude: 2.72
Absolute magnitude: -2.14

111. Ke Kouan

β Lupi
Constellation: Lupus
RA 14h 59' 45.1"
Decl. $-43^{\circ} 12' 26''$
Section 6/10
Apparent magnitude: 2.68
Absolute magnitude: -3.35

197. Ke Kwan

κ Centauri
Constellation: Centaurus
RA 15h 0' 22.3"
Decl. $-42^{\circ} 10' 38''$
Section 6/11
Apparent magnitude: 3.13
Absolute magnitude: -2.96

57. Kochab

β Ursae Minoris
Constellation: Ursa Minor
RA 14h 50' 40.2"
Decl. $74^{\circ} 4' 4''$
Section 6/10
Apparent magnitude: 2.07
Absolute magnitude: -0.87

45. Koo She δ Velorum

Constellation: Vela

RA 8h 45' 12.9"

Decl. $-54^{\circ} 46' 38''$

Section 4/6

Apparent magnitude: 1.95

Absolute magnitude: 0.01

127. Kornephoros β Herculis

Constellation: Hercules

RA 16h 31' 1"

Decl. $21^{\circ} 27' 0''$

Section 7/12

Apparent magnitude: 2.78

Absolute magnitude: -0.5

108. Kraz β Corvi

Constellation: Corvus

RA 12h 35' 21.7"

Decl. $-23^{\circ} 29' 5''$

Section 5/9

Apparent magnitude: 2.65

Absolute magnitude: -0.51

126. Kursa β Eridani

Constellation: Eridanus

RA 5h 8' 45.6"

Decl. $-5^{\circ} 3' 5''$

Section 3/4

Apparent magnitude: 2.78

Absolute magnitude: 0.6

191. λ Centauri

Constellation: Centaurus

RA 11h 36' 38.6"

Decl. $-63^{\circ} 7' 20''$

Section 5/8

Apparent magnitude: 3.11

Absolute magnitude: -2.39

115. Lesath ν Scorpii

Constellation: Scorpius

RA 17h 32' 1.4"

Decl. $-37^{\circ} 18' 3''$

Section 7/12

Apparent magnitude: 2.7

Absolute magnitude: -3.31

92. Markab α Pegasi

Constellation: Pegasus

RA 23h 5' 41"

Decl. $15^{\circ} 18' 1''$

Section 1/16

Apparent magnitude: 2.49

Absolute magnitude: -0.67

90. Markeb κ Velorum

Constellation: Vela

RA 9h 22' 41.2"

Decl. $-55^{\circ} 5' 25''$

Section 4/7

Apparent magnitude: 2.47

Absolute magnitude: -3.62

161. Matar η Pegasi

Constellation: Pegasus

RA 22h 43' 52.3"

Decl. $30^{\circ} 19' 0''$

Section 1/16

Apparent magnitude: 2.93

Absolute magnitude: -1.16

185. Mebsuta ϵ Geminorum

Constellation: Gemini

RA 6h 45' 4.2"

Decl. $25^{\circ} 6' 4''$

Section 3/5

Apparent magnitude: 3.06

Absolute magnitude: -4.15

78. Men α Lupi

Constellation: Lupus

RA 14h 43' 10.1"

Decl. $-47^{\circ} 27' 59''$

Section 6/10

Apparent magnitude: 2.3

Absolute magnitude: -3.83

41. Menkalinan β Aurigae

Constellation: Auriga

RA 6h 0' 53.2"

Decl. $44^{\circ} 56' 5''$

Section 3/5

Apparent magnitude: 1.9

Absolute magnitude: -0.1

93. Menkar α Ceti

Constellation: Cetus

RA 3h 3' 14.9"

Decl. $4^{\circ} 9' 4''$

Section 2/3

Apparent magnitude: 2.54

Absolute magnitude: -1.61

53. Menkent θ Centauri

Constellation: Centaurus

RA 14h 7' 46.7"

Decl. $-36^{\circ} 27' 3''$

Section 6/10

Apparent magnitude: 2.06

Absolute magnitude: 0.7

80. Merak β Ursae Majoris

Constellation: Ursa Major

RA 11h 2' 56.8"

Decl. $56^{\circ} 16' 5''$

Section 5/8

Apparent magnitude: 2.34

Absolute magnitude: 0.41

28. Miaplacidus β Carinae

Constellation: Carina

RA 9h 13' 23.7"

Decl. $-69^{\circ} 47' 37''$

Section 4/7

Apparent magnitude: 1.67

Absolute magnitude: -0.99

20. Mimosa β Crucis

Constellation: Crux

RA 12h 48' 48.9"

Decl. $-59^{\circ} 47' 22''$

Section 5/9

Apparent magnitude: 1.26

Absolute magnitude: -3.91

180. Minkar ϵ Corvi

Constellation: Corvus

RA 12h 11' 4.7"

Decl. $-22^{\circ} 43' 2''$

Section 5/9

Apparent magnitude: 3.02

Absolute magnitude: -1.82

73. Mintaka δ Orionis

Constellation: Orion

RA 5h 32' 57.2"

Decl. $0^{\circ} 17' 1''$

Section 3/4

Apparent magnitude: 2.25

Absolute magnitude: -4.99

55. Mirach β Andromedae

Constellation: Andromeda

RA 1h 10' 46.4"

Decl. $35^{\circ} 43' 0''$

Section 1/1

Apparent magnitude: 2.07

Absolute magnitude: -1.86

33. Mirfak α Persei

Constellation: Perseus

RA 3h 25' 39.2"

Decl. $49^{\circ} 55' 3''$

Section 2/3

Apparent magnitude: 1.8

Absolute magnitude: -4.49

46. Mirzam

β Canis Majoris
 Constellation: Canis Major
 RA 6h 23' 30.9"
 Decl. $-17^{\circ} 57' 5''$
 Section 3/5
 Apparent magnitude: 1.98
 Absolute magnitude: -3.95

69. Mizar

ζ Ursae Majoris
 Constellation: Ursa Major
 RA 13h 24' 40.1"
 Decl. $54^{\circ} 49' 4''$
 Section 5/9
 Apparent magnitude: 2.23
 Absolute magnitude: 0.33

175. μ^1 Scorpii

Constellation: Scorpis
 RA 16h 53' 7.6"
 Decl. $-38^{\circ} 4' 39''$
 Section 7/12
 Apparent magnitude: 3
 Absolute magnitude: -4.01

64. Muhlifain

γ Centauri
 Constellation: Centaurus
 RA 12h 42' 32.8"
 Decl. $-49^{\circ} 3' 40''$
 Section 5/9
 Apparent magnitude: 2.2
 Absolute magnitude: -0.81

110. Muphrid

η Boötis
 Constellation: Boötes
 RA 13h 55' 33.9"
 Decl. $18^{\circ} 18' 2''$
 Section 6/10
 Apparent magnitude: 2.68
 Absolute magnitude: 2.41

113. μ Velorum

Constellation: Vela
 RA 10h 47' 34.2"
 Decl. $-49^{\circ} 31' 6''$
 Section 5/8
 Apparent magnitude: 2.69
 Absolute magnitude: -0.06

65. Naos

ζ Puppis
 Constellation: Puppis
 RA 8h 4' 14.1"
 Decl. $-40^{\circ} 3' 22''$
 Section 4/6
 Apparent magnitude: 2.21
 Absolute magnitude: -5.95

132. Nihal

β Leporis
 Constellation: Lepus
 RA 5h 29' 2.3"
 Decl. $-20^{\circ} 44' 4''$
 Section 3/4
 Apparent magnitude: 2.81
 Absolute magnitude: -0.63

190. ν Hydrae

Constellation: Hydra
 RA 10h 50' 32.3"
 Decl. $-16^{\circ} 17' 27''$
 Section 5/8
 Apparent magnitude: 3.11
 Absolute magnitude: -0.03

52. Nunki

σ Sagittarii
 Constellation: Sagittarius
 RA 18h 56' 24.7"
 Decl. $-26^{\circ} 16' 2''$
 Section 7/13
 Apparent magnitude: 2.05
 Absolute magnitude: -2.14

199. N Velorum

Constellation: Vela
 RA 9h 31' 13.3189"
 Decl. $-57^{\circ} 2' 3.7578''$
 Section 4/7
 Apparent magnitude: 3.16
 Absolute magnitude: -1.15

179. o^2 Canis Majoris

Constellation: Canis Major
 RA 7h 3' 1.47211"
 Decl. $-23^{\circ} 49' 59.8523''$
 Section 3/5
 Apparent magnitude: 3.02
 Absolute magnitude: -6.46

44. Peacock

α Pavonis
 Constellation: Pavo
 RA 20h 27' 6"
 Decl. $-56^{\circ} 40' 27''$
 Section 8/14
 Apparent magnitude: 1.93
 Absolute magnitude: -1.82

192. Persian

α Indi
 Constellation: Indus
 RA 20h 38' 51.6"
 Decl. $-47^{\circ} 13' 32''$
 Section 8/14
 Apparent magnitude: 3.11
 Absolute magnitude: 0.65

106. Phact

α Columbae
 Constellation: Columba
 RA 5h 40' 19.2"
 Decl. $-34^{\circ} 3' 55''$
 Section 3/4
 Apparent magnitude: 2.65
 Absolute magnitude: -1.93

85. Phecda

γ Ursae Majoris
 Constellation: Ursa Major
 RA 11h 54' 47.8"
 Decl. $53^{\circ} 35' 3''$
 Section 5/8
 Apparent magnitude: 2.41
 Absolute magnitude: 0.36

174. Pherkad Major

γ Ursae Minoris
 Constellation: Ursa Minor
 RA 15h 20' 42.8"
 Decl. $71^{\circ} 46' 0''$
 Section 6/11
 Apparent magnitude: 3
 Absolute magnitude: -2.84

178. Phurad

ζ Canis Majoris
 Constellation: Canis Major
 RA 6h 21' 1.4"
 Decl. $-30^{\circ} 4' 2''$
 Section 3/5
 Apparent magnitude: 3.02
 Absolute magnitude: -2.05

200. π Herculis

Constellation: Hercules
 RA 17h 15' 41.5"
 Decl. $36^{\circ} 47' 2''$
 Section 7/12
 Apparent magnitude: 3.16
 Absolute magnitude: -2.1

116. π Puppis

Constellation: Puppis
 RA 7h 17' 47.8"
 Decl. $-37^{\circ} 7' 54''$
 Section 3/5
 Apparent magnitude: 2.71
 Absolute magnitude: -4.92

154. π Scorpii

Constellation: Scorpis
 RA 15h 59' 58.5"
 Decl. $-26^{\circ} 9' 5''$
 Section 6/11
 Apparent magnitude: 2.89
 Absolute magnitude: -2.85

17. Pollux

β Geminorum
 Constellation: Gemini
 RA 7h 46' 26.7"
 Decl. 27° 58' 4"
 Section 4/6
 Apparent magnitude: 1.14
 Absolute magnitude: 1.07

122. Porrima

γ Virginis
 Constellation: Virgo
 RA 12h 41' 39.6434"
 Decl. -1° 26' 57.7421"
 Section 5/9
 Apparent magnitude: 2.74
 Absolute magnitude: 2.38

8. Procyon

α Canis Minoris
 Constellation: Canis Minor
 RA 7h 40' 16.3"
 Decl. 5° 10' 3"
 Section 4/6
 Apparent magnitude: 0.36
 Absolute magnitude: 2.64

173. ψ Ursae Majoris

Constellation: Ursa Major
 RA 11h 10' 41.8"
 Decl. 44° 23' 5"
 Section 5/8
 Apparent magnitude: 3
 Absolute magnitude: -0.27

59. Rasalhague

α Ophiuchi
 Constellation: Ophiuchus
 RA 17h 35' 47.6"
 Decl. 12° 32' 5"
 Section 7/12
 Apparent magnitude: 2.08
 Absolute magnitude: 1.3

167. Ras Elased Australis

ϵ Leonis
 Constellation: Leo
 RA 9h 46' 53.9"
 Decl. 23° 41' 1"
 Section 4/7
 Apparent magnitude: 2.97
 Absolute magnitude: -1.46

129. Rastaban

β Draconis
 Constellation: Draco
 RA 17h 30' 51.1"
 Decl. 52° 17' 1"
 Section 7/12
 Apparent magnitude: 2.79
 Absolute magnitude: -2.43

35. Regor

γ Velorum
 Constellation: Vela
 RA 8h 9' 31.9501"
 Decl. -47° 20' 11.7108"
 Section 4/6
 Apparent magnitude: 1.81
 Absolute magnitude: -5.25

21. Regulus

α Leonis
 Constellation: Leo
 RA 10h 9' 21.3"
 Decl. 11° 52' 3"
 Section 4/7
 Apparent magnitude: 1.36
 Absolute magnitude: -0.52

7. Rigel

β Orionis
 Constellation: Orion
 RA 5h 15' 25.7"
 Decl. -8° 10' 5"
 Section 3/4
 Apparent magnitude: 0.15v
 Absolute magnitude: -6.72v

109. Ruchbah

δ Cassiopeiae
 Constellation: Cassiopeia
 RA 1h 27' 2.5"
 Decl. 60° 19' 5"
 Section 1/1
 Apparent magnitude: 2.66
 Absolute magnitude: 0.24

133. Rutilicus

ζ Herculis
 Constellation: Hercules
 RA 16h 41' 59.1"
 Decl. 31° 34' 1"
 Section 7/12
 Apparent magnitude: 2.81
 Absolute magnitude: 2.64

86. Sabik

η Ophiuchi
 Constellation: Ophiuchus
 RA 17h 11' 26.4"
 Decl. -15° 44' 4"
 Section 7/12
 Apparent magnitude: 2.43
 Absolute magnitude: 0.37

164. Sadalmelik

α Aquarii
 Constellation: Aquarius
 RA 22h 6' 44"
 Decl. 0° 13' 4"
 Section 8/15
 Apparent magnitude: 2.95
 Absolute magnitude: -3.88

158. Sadalsuud

β Aquarii
 Constellation: Aquarius
 RA 21h 32' 31.9"
 Decl. -5° 29' 2"
 Section 8/15
 Apparent magnitude: 2.9
 Absolute magnitude: -3.47

70. Sadr

γ Cygni
 Constellation: Cygnus
 RA 20h 22' 53.6"
 Decl. 40° 19' 0"
 Section 8/14
 Apparent magnitude: 2.23
 Absolute magnitude: -6.12

56. Saiph

κ Orionis
 Constellation: Orion
 RA 5h 48' 38.1"
 Decl. -9° 39' 5"
 Section 3/4
 Apparent magnitude: 2.07
 Absolute magnitude: -4.65

39. Sargas

θ Scorpii
 Constellation: Scorpius
 RA 17h 38' 39"
 Decl. -43° 0' 28"
 Section 7/12
 Apparent magnitude: 1.86
 Absolute magnitude: -2.75

196. Sarin

δ Herculis
 Constellation: Hercules
 RA 17h 15' 47.5"
 Decl. 24° 49' 0"
 Section 7/12
 Apparent magnitude: 3.12
 Absolute magnitude: 1.21

87. Scheat

β Pegasi
 Constellation: Pegasus
 RA 23h 4' 40.4"
 Decl. 28° 11' 0"
 Section 1/16
 Apparent magnitude: 2.44v
 Absolute magnitude: -1.49

71. Schedar

α Cassiopeiae
 Constellation: Cassiopeia
 RA 0h 41' 34.1"
 Decl. 56° 38' 1"
 Section 1/1
 Apparent magnitude: 2.24
 Absolute magnitude: -1.99

183. Seginus

γ Boötis
 Constellation: Boötes
 RA 14h 32' 49.3"
 Decl. 38° 13' 4"
 Section 6/10
 Apparent magnitude: 3.04
 Absolute magnitude: 0.96

24. Shaula

λ Scorpii
 Constellation: Scorpius
 RA 17h 34' 52"
 Decl. -37° 6' 5"
 Section 7/12
 Apparent magnitude: 1.62
 Absolute magnitude: -5.05

104. Sheratan

β Arietis
 Constellation: Aries
 RA 1h 55' 40"
 Decl. 20° 53' 5"
 Section 2/2
 Apparent magnitude: 2.64
 Absolute magnitude: 1.33

1. Sirius

α Canis Majoris
 Constellation: Canis Major
 RA 6h 45' 57.4"
 Decl. -16° 44' 3"
 Section 3/5
 Apparent magnitude: -1.46
 Absolute magnitude: 1.43

16. Spica

α Virginis
 Constellation: Virgo
 RA 13h 26' 10.2"
 Decl. -11° 15' 2"
 Section 5/9
 Apparent magnitude: 0.97
 Absolute magnitude: -3.56

68. Suhail

λ Velorum
 Constellation: Vela
 RA 9h 8' 40.7"
 Decl. -43° 30' 29"
 Section 4/7
 Apparent magnitude: 2.23
 Absolute magnitude: -3.99

187. Tais

δ Draconis
 Constellation: Draco
 RA 19h 12' 33.3"
 Decl. 67° 41' 3"
 Section 7/13
 Apparent magnitude: 3.07
 Absolute magnitude: 0.63

194. Talita

ι Ursae Majoris
 Constellation: Ursa Major
 RA 9h 0' 28"
 Decl. 47° 58' 0"
 Section 4/7
 Apparent magnitude: 3.12
 Absolute magnitude: 2.29

186. Tania Australis

μ Ursae Majoris
 Constellation: Ursa Major
 RA 10h 23' 25.5"
 Decl. 41° 24' 2"
 Section 4/7
 Apparent magnitude: 3.06
 Absolute magnitude: -1.35

118. Tarazed

γ Aquilae
 Constellation: Aquila
 RA 19h 47' 8.3"
 Decl. 10° 39' 3"
 Section 8/14
 Apparent magnitude: 2.72
 Absolute magnitude: -3.03

162. τ Puppis

Constellation: Puppis
 RA 6h 50' 23.7"
 Decl. -50° 38' 14"
 Section 3/5
 Apparent magnitude: 2.94
 Absolute magnitude: -0.8

135. τ Scorpii

Constellation: Scorpius
 RA 16h 37' 2.2"
 Decl. -28° 15' 1"
 Section 7/12
 Apparent magnitude: 2.82
 Absolute magnitude: -2.78

148. Tejat

μ Geminorum
 Constellation: Gemini
 RA 6h 24' 4.8"
 Decl. 22° 30' 0"
 Section 3/5
 Apparent magnitude: 2.87v
 Absolute magnitude: -1.39v

107. θ Aurigae

Constellation: Auriga
 RA 6h 0' 59"
 Decl. 37° 12' 4"
 Section 3/5
 Apparent magnitude: 2.65
 Absolute magnitude: -0.98

121. θ Carinae

Constellation: Carina
 RA 10h 43' 37.3"
 Decl. -64° 29' 30"
 Section 5/8
 Apparent magnitude: 2.74
 Absolute magnitude: -2.91

138. Turais

ρ Puppis
 Constellation: Puppis
 RA 8h 8' 19.9"
 Decl. -24° 21' 3"
 Section 4/6
 Apparent magnitude: 2.83
 Absolute magnitude: 1.41

103. Unukalhai

α Serpentis
 Constellation: Serpens
 RA 15h 45' 10.8"
 Decl. 6° 22' 0"
 Section 6/11
 Apparent magnitude: 2.63
 Absolute magnitude: 0.87

160. ν Carinae

Constellation: Carina
 RA 9h 47' 33.8"
 Decl. -65° 9' 29"
 Section 4/7
 Apparent magnitude: 2.92
 Absolute magnitude: -5.56

5. Vega

α Lyrae
 Constellation: Lyra
 RA 18h 37' 33.9"
 Decl. 38° 48' 0"
 Section 7/13
 Apparent magnitude: 0.03
 Absolute magnitude: 0.58

144. Vindemiatrix

ϵ Virginis
 Constellation: Virgo
 RA 13h 3' 5.9"
 Decl. 10° 51' 3"
 Section 5/9
 Apparent magnitude: 2.85
 Absolute magnitude: 0.37

193. Wazn

β Columbae
 Constellation: Columba
 RA 5h 51' 36.8"
 Decl. -35° 45' 44"
 Section 3/4
 Apparent magnitude: 3.12
 Absolute magnitude: 1.02

77. Wei ϵ Scorpii

Constellation: Scorpius

RA 16h 51' 21.9"

Decl. $-34^{\circ} 19' 3''$

Section 7/12

Apparent magnitude: 2.29

Absolute magnitude: 0.78

36. Wezen δ Canis Majoris

Constellation: Canis Major

RA 7h 9' 8.6"

Decl. $-26^{\circ} 25' 2''$

Section 3/5

Apparent magnitude: 1.83

Absolute magnitude: -6.87

119. Yed Prior δ Ophiuchi

Constellation: Ophiuchus

RA 16h 15' 19"

Decl. $-3^{\circ} 44' 2''$

Section 6/11

Apparent magnitude: 2.73

Absolute magnitude: -0.86

165. Zaurak γ Eridani

Constellation: Eridanus

RA 3h 58' 53.6"

Decl. $-13^{\circ} 27' 2''$

Section 2/3

Apparent magnitude: 2.97

Absolute magnitude: -1.19

195. ζ Aræ

Constellation: Ara

RA 17h 0' 9.4"

Decl. $-56^{\circ} 1' 2''$

Section 7/12

Apparent magnitude: 3.12

Absolute magnitude: -3.11

95. ζ Centauri

Constellation: Centaurus

RA 13h 56' 42.2"

Decl. $-47^{\circ} 22' 43''$

Section 6/10

Apparent magnitude: 2.55

Absolute magnitude: -2.81

189. ζ Hydræ

Constellation: Hydra

RA 8h 56' 22.2"

Decl. $5^{\circ} 52' 2''$

Section 4/6

Apparent magnitude: 3.11

Absolute magnitude: -0.21

140. ζ Persei

Constellation: Perseus

RA 3h 55' 18"

Decl. $31^{\circ} 56' 1''$

Section 2/3

Apparent magnitude: 2.84

Absolute magnitude: -4.55

96. Zosma δ Leonis

Constellation: Leo

RA 11h 15' 5.4"

Decl. $20^{\circ} 25' 1''$

Section 5/8

Apparent magnitude: 2.56

Absolute magnitude: 1.32

105. Zubenelgenubi α^2 Librae

Constellation: Libra

RA 14h 50' 52.7131"

Decl. $-16^{\circ} 2' 30.3955''$

Section 6/10

Apparent magnitude: 2.64

Absolute magnitude: 0.77

102. Zubeneshamali β Librae

Constellation: Libra

RA 15h 18' 0.3"

Decl. $-9^{\circ} 27' 0''$

Section 6/11

Apparent magnitude: 2.61

Absolute magnitude: -0.84

Stars According to Apparent Magnitude

1. Sirius

α Canis Majoris
 Constellation: Canis Major
 RA 6h 45' 57.4"
 Decl. $-16^{\circ} 44' 3''$
 Section 3/5
 Apparent magnitude: -1.46
 Absolute magnitude: 1.43

2. Canopus

α Carinae
 Constellation: Carina
 RA 6h 24' 21.8"
 Decl. $-52^{\circ} 42' 23''$
 Section 3/5
 Apparent magnitude: -0.73
 Absolute magnitude: -5.64

3. α Centauri

Constellation: Centaurus
 RA 14h 39' 35.0631"
 Decl. $-60^{\circ} 50' 15.0992''$
 Section 6/10
 Apparent magnitude: -0.29
 Absolute magnitude: 4.06

4. Arcturus

α Boötis
 Constellation: Boötes
 RA 14h 16' 30.3"
 Decl. $19^{\circ} 5' 1''$
 Section 6/10
 Apparent magnitude: -0.05
 Absolute magnitude: -0.31

5. Vega

α Lyrae
 Constellation: Lyra
 RA 18h 37' 33.9"
 Decl. $38^{\circ} 48' 0''$
 Section 7/13
 Apparent magnitude: 0.03
 Absolute magnitude: 0.58

6. Capella

α Aurigae
 Constellation: Auriga
 RA 5h 18' 3.5"
 Decl. $46^{\circ} 0' 5''$
 Section 3/4
 Apparent magnitude: 0.07
 Absolute magnitude: -0.49

7. Rigel

β Orionis
 Constellation: Orion
 RA 5h 15' 25.7"
 Decl. $-8^{\circ} 10' 5''$
 Section 3/4
 Apparent magnitude: 0.15v
 Absolute magnitude: -6.72v

8. Procyon

α Canis Minoris
 Constellation: Canis Minor
 RA 7h 40' 16.3"
 Decl. $5^{\circ} 10' 3''$
 Section 4/6
 Apparent magnitude: 0.36
 Absolute magnitude: 2.64

9. Achernar

α Eridani
 Constellation: Eridanus
 RA 1h 38' 24"
 Decl. $-57^{\circ} 8' 36''$
 Section 2/2
 Apparent magnitude: 0.45
 Absolute magnitude: -2.77

10. Betelgeuse

α Orionis
 Constellation: Orion
 RA 5h 56' 10.4"
 Decl. $7^{\circ} 24' 3''$
 Section 3/4
 Apparent magnitude: 0.55v
 Absolute magnitude: -5.04v

11. Hadar

β Centauri
 Constellation: Centaurus
 RA 14h 5' 8.7"
 Decl. $-60^{\circ} 27' 41''$
 Section 6/10
 Apparent magnitude: 0.61
 Absolute magnitude: -5.42

12. Altair

α Aquilae
 Constellation: Aquila
 RA 19h 51' 41.1"
 Decl. $8^{\circ} 55' 0''$
 Section 8/14
 Apparent magnitude: 0.77
 Absolute magnitude: 2.21

14. Aldebaran

α Tauri
 Constellation: Taurus
 RA 4h 36' 59.1"
 Decl. $16^{\circ} 32' 4''$
 Section 3/4
 Apparent magnitude: 0.86v
 Absolute magnitude: -0.64v

15. Antares

α Scorpii
 Constellation: Scorpius
 RA 16h 30' 32.7"
 Decl. $-26^{\circ} 28' 1''$
 Section 7/12
 Apparent magnitude: 0.95v
 Absolute magnitude: -5.39v

16. Spica

α Virginis
 Constellation: Virgo
 RA 13h 26' 10.2"
 Decl. $-11^{\circ} 15' 2''$
 Section 5/9
 Apparent magnitude: 0.97
 Absolute magnitude: -3.56

17. Pollux

β Geminorum
 Constellation: Gemini
 RA 7h 46' 26.7"
 Decl. $27^{\circ} 58' 4''$
 Section 4/6
 Apparent magnitude: 1.14
 Absolute magnitude: 1.07

18. Fomalhaut

α Piscis Austrini
 Constellation: Piscis Austrinus
 RA 22h 57' 39.0465"
 Decl. $-29^{\circ} 37' 20.05''$
 Section 1/16
 Apparent magnitude: 1.15
 Absolute magnitude: 1.72

19. Deneb

α Cygni
 Constellation: Cygnus
 RA 20h 42' 3.8"
 Decl. $45^{\circ} 20' 5''$
 Section 8/14
 Apparent magnitude: 1.24
 Absolute magnitude: -8.74

20. Mimosa

β Crucis
 Constellation: Crux
 RA 12h 48' 48.9"
 Decl. $-59^{\circ} 47' 22''$
 Section 5/9
 Apparent magnitude: 1.26
 Absolute magnitude: -3.91

21. Regulus α Leonis

Constellation: Leo

RA 10h 9' 21.3"

Decl. 11° 52' 3"

Section 4/7

Apparent magnitude: 1.36

Absolute magnitude: -0.52

22. Adhara ϵ Canis Majoris

Constellation: Canis Major

RA 6h 59' 21.2"

Decl. -28° 59' 5"

Section 3/5

Apparent magnitude: 1.5

Absolute magnitude: -4.1

23. Castor α Geminorum

Constellation: Gemini

RA 7h 34' 35.863"

Decl. 31° 53' 17.79"

Section 4/6

Apparent magnitude: 1.58

Absolute magnitude: 0.59

24. Shaula λ Scorpii

Constellation: Scorpius

RA 17h 34' 52"

Decl. -37° 6' 5"

Section 7/12

Apparent magnitude: 1.62

Absolute magnitude: -5.05

25. Gacrux γ Crucis

Constellation: Crux

RA 12h 32' 12.2"

Decl. -57° 13' 0"

Section 5/9

Apparent magnitude: 1.63

Absolute magnitude: -0.52

26. Bellatrix γ Orionis

Constellation: Orion

RA 5h 26' 7.5"

Decl. 6° 21' 5"

Section 3/4

Apparent magnitude: 1.64

Absolute magnitude: -2.72

27. Elnath β Tauri

Constellation: Taurus

RA 5h 27' 27.8"

Decl. 28° 37' 1"

Section 3/4

Apparent magnitude: 1.66

Absolute magnitude: -1.36

28. Miaplacidus β Carinae

Constellation: Carina

RA 9h 13' 23.7"

Decl. -69° 47' 37"

Section 4/7

Apparent magnitude: 1.67

Absolute magnitude: -0.99

29. Alnilam ϵ Orionis

Constellation: Orion

RA 5h 37' 9.2"

Decl. -1° 11' 2"

Section 3/4

Apparent magnitude: 1.69

Absolute magnitude: -6.38

30. Alnair α Gruis

Constellation: Grus

RA 22h 9' 23.4"

Decl. -46° 52' 14"

Section 8/15

Apparent magnitude: 1.74

Absolute magnitude: -0.72

31. Alnitak ζ Orionis

Constellation: Orion

RA 5h 41' 41.6"

Decl. -1° 56' 0"

Section 3/4

Apparent magnitude: 1.75

Absolute magnitude: -5.25

32. Alioth ϵ Ursae Majoris

Constellation: Ursa Major

RA 12h 54' 50.3"

Decl. 55° 51' 3"

Section 5/9

Apparent magnitude: 1.77

Absolute magnitude: -0.2

33. Mirfak α Persei

Constellation: Perseus

RA 3h 25' 39.2"

Decl. 49° 55' 3"

Section 2/3

Apparent magnitude: 1.8

Absolute magnitude: -4.49

34. Dubhe α Ursae Majoris

Constellation: Ursa Major

RA 11h 4' 51.2"

Decl. 61° 39' 0"

Section 5/8

Apparent magnitude: 1.8

Absolute magnitude: -1.09

35. Regor γ Velorum

Constellation: Vela

RA 8h 9' 31.9501"

Decl. -47° 20' 11.7108"

Section 4/6

Apparent magnitude: 1.81

Absolute magnitude: -5.25

36. Wezen δ Canis Majoris

Constellation: Canis Major

RA 7h 9' 8.6"

Decl. -26° 25' 2"

Section 3/5

Apparent magnitude: 1.83

Absolute magnitude: -6.87

37. Kaus Australis ϵ Sagittarii

Constellation: Sagittarius

RA 18h 25' 24"

Decl. -34° 22' 2"

Section 7/13

Apparent magnitude: 1.84

Absolute magnitude: -1.39

38. Alkaid η Ursae Majoris

Constellation: Ursa Major

RA 13h 48' 16.1"

Decl. 49° 13' 1"

Section 6/10

Apparent magnitude: 1.86

Absolute magnitude: -0.59

39. Sargas θ Scorpii

Constellation: Scorpius

RA 17h 38' 39"

Decl. -43° 0' 28"

Section 7/12

Apparent magnitude: 1.86

Absolute magnitude: -2.75

40. Avior ϵ Carinae

Constellation: Carina

RA 8h 22' 53.5"

Decl. -59° 34' 10"

Section 4/6

Apparent magnitude: 1.87

Absolute magnitude: -4.57

41. Menkalinan β Aurigae

Constellation: Auriga

RA 6h 0' 53.2"

Decl. 44° 56' 5"

Section 3/5

Apparent magnitude: 1.9

Absolute magnitude: -0.1

42. Atria

α Trianguli Australis
 Constellation: Triangulum Australe
 RA 16h 48' 39.8951"
 Decl. $-69^{\circ} 1' 39.7626''$
 Section 7/12
 Apparent magnitude: 1.92
 Absolute magnitude: -3.61

43. Alhena

γ Geminorum
 Constellation: Gemini
 RA 6h 38' 46.8"
 Decl. $16^{\circ} 22' 5''$
 Section 3/5
 Apparent magnitude: 1.93
 Absolute magnitude: -0.6

44. Peacock

α Pavonis
 Constellation: Pavo
 RA 20h 27' 6"
 Decl. $-56^{\circ} 40' 27''$
 Section 8/14
 Apparent magnitude: 1.93
 Absolute magnitude: -1.82

45. Koo She

δ Velorum
 Constellation: Vela
 RA 8h 45' 12.9"
 Decl. $-54^{\circ} 46' 38''$
 Section 4/6
 Apparent magnitude: 1.95
 Absolute magnitude: 0.01

46. Mirzam

β Canis Majoris
 Constellation: Canis Major
 RA 6h 23' 30.9"
 Decl. $-17^{\circ} 57' 5''$
 Section 3/5
 Apparent magnitude: 1.98
 Absolute magnitude: -3.95

47. Alphard

α Hydrae
 Constellation: Hydra
 RA 9h 28' 29.8"
 Decl. $-8^{\circ} 44' 2''$
 Section 4/7
 Apparent magnitude: 1.98
 Absolute magnitude: -1.7

49. Algieba

γ Leonis
 Constellation: Leo
 RA 10h 19' 58.3506"
 Decl. $19^{\circ} 50' 29.3468''$
 Section 4/7
 Apparent magnitude: 2
 Absolute magnitude: -0.93

50. Hamal

α Arietis
 Constellation: Aries
 RA 2h 8' 13.2"
 Decl. $23^{\circ} 32' 5''$
 Section 2/2
 Apparent magnitude: 2.01
 Absolute magnitude: 0.48

51. Diphda

β Ceti
 Constellation: Cetus
 RA 0h 44' 31"
 Decl. $-17^{\circ} 53' 0''$
 Section 1/1
 Apparent magnitude: 2.04
 Absolute magnitude: -0.3

52. Nunki

σ Sagittarii
 Constellation: Sagittarius
 RA 18h 56' 24.7"
 Decl. $-26^{\circ} 16' 2''$
 Section 7/13
 Apparent magnitude: 2.05
 Absolute magnitude: -2.14

53. Menkent

θ Centauri
 Constellation: Centaurus
 RA 14h 7' 46.7"
 Decl. $-36^{\circ} 27' 3''$
 Section 6/10
 Apparent magnitude: 2.06
 Absolute magnitude: 0.7

54. Alpheratz

α Andromedae
 Constellation: Andromeda
 RA 0h 9' 20.9"
 Decl. $29^{\circ} 11' 3''$
 Section 1/1
 Apparent magnitude: 2.07
 Absolute magnitude: -0.3

55. Mirach

β Andromedae
 Constellation: Andromeda
 RA 1h 10' 46.4"
 Decl. $35^{\circ} 43' 0''$
 Section 1/1
 Apparent magnitude: 2.07
 Absolute magnitude: -1.86

56. Saiph

κ Orionis
 Constellation: Orion
 RA 5h 48' 38.1"
 Decl. $-9^{\circ} 39' 5''$
 Section 3/4
 Apparent magnitude: 2.07
 Absolute magnitude: -4.65

57. Kochab

β Ursae Minoris
 Constellation: Ursa Minor
 RA 14h 50' 40.2"
 Decl. $74^{\circ} 4' 4''$
 Section 6/10
 Apparent magnitude: 2.07
 Absolute magnitude: -0.87

58. Al Dhanab

β Gruis
 Constellation: Grus
 RA 22h 43' 45.8"
 Decl. $-46^{\circ} 47' 14''$
 Section 1/16
 Apparent magnitude: 2.07v
 Absolute magnitude: 1.52

59. Rasalhague

α Ophiuchi
 Constellation: Ophiuchus
 RA 17h 35' 47.6"
 Decl. $12^{\circ} 32' 5''$
 Section 7/12
 Apparent magnitude: 2.08
 Absolute magnitude: 1.3

60. Algol

β Persei
 Constellation: Perseus
 RA 3h 9' 22.8"
 Decl. $41^{\circ} 1' 3''$
 Section 2/3
 Apparent magnitude: 2.09
 Absolute magnitude: 0.18

61. Almach

γ Andromedae
 Constellation: Andromeda
 RA 2h 3' 53.9523"
 Decl. $42^{\circ} 19' 47.0223''$
 Section 2/2
 Apparent magnitude: 2.1
 Absolute magnitude: -3.08

62. Denebola

β Leonis
 Constellation: Leo
 RA 11h 50' 0.1"
 Decl. $14^{\circ} 28' 0''$
 Section 5/8
 Apparent magnitude: 2.14
 Absolute magnitude: 1.92

63. Cih

γ Cassiopeiae
 Constellation: Cassiopeia
 RA 0h 57' 50.4"
 Decl. $60^{\circ} 48' 5''$
 Section 1/1
 Apparent magnitude: 2.15v
 Absolute magnitude: -4.22

64. Muhlifain

γ Centauri
 Constellation: Centaurus
 RA 12h 42' 32.8"
 Decl. $-49^{\circ} 3' 40''$
 Section 5/9
 Apparent magnitude: 2.2
 Absolute magnitude: -0.81

65. Naos

ζ Puppis
 Constellation: Puppis
 RA 8h 4' 14.1"
 Decl. $-40^{\circ} 3' 22''$
 Section 4/6
 Apparent magnitude: 2.21
 Absolute magnitude: -5.95

66. Aspidiske

ι Carinae
 Constellation: Carina
 RA 9h 17' 35.1"
 Decl. $-59^{\circ} 21' 12''$
 Section 4/7
 Apparent magnitude: 2.21v
 Absolute magnitude: -4.42

67. Alphecca

α Coronae Borealis
 Constellation: Corona Borealis
 RA 15h 35' 28.3"
 Decl. $26^{\circ} 39' 1''$
 Section 6/11
 Apparent magnitude: 2.22
 Absolute magnitude: 0.42

68. Suhail

λ Velorum
 Constellation: Vela
 RA 9h 8' 40.7"
 Decl. $-43^{\circ} 30' 29''$
 Section 4/7
 Apparent magnitude: 2.23
 Absolute magnitude: -3.99

69. Mizar

ζ Ursae Majoris
 Constellation: Ursa Major
 RA 13h 24' 40.1"
 Decl. $54^{\circ} 49' 4''$
 Section 5/9
 Apparent magnitude: 2.23
 Absolute magnitude: 0.33

70. Sadr

γ Cygni
 Constellation: Cygnus
 RA 20h 22' 53.6"
 Decl. $40^{\circ} 19' 0''$
 Section 8/14
 Apparent magnitude: 2.23
 Absolute magnitude: -6.12

71. Schedar

α Cassiopeiae
 Constellation: Cassiopeia
 RA 0h 41' 34.1"
 Decl. $56^{\circ} 38' 1''$
 Section 1/1
 Apparent magnitude: 2.24
 Absolute magnitude: -1.99

72. Eltanin

γ Draconis
 Constellation: Draco
 RA 17h 57' 2.2"
 Decl. $51^{\circ} 29' 1''$
 Section 7/12
 Apparent magnitude: 2.24
 Absolute magnitude: -1.04

73. Mintaka

δ Orionis
 Constellation: Orion
 RA 5h 32' 57.2"
 Decl. $0^{\circ} 17' 1''$
 Section 3/4
 Apparent magnitude: 2.25
 Absolute magnitude: -4.99

74. Caph

β Cassiopeiae
 Constellation: Cassiopeia
 RA 0h 10' 10.6"
 Decl. $59^{\circ} 15' 0''$
 Section 1/1
 Apparent magnitude: 2.28
 Absolute magnitude: 1.17

75. ϵ Centauri

Constellation: Centaurus
 RA 13h 41' 4.3"
 Decl. $-53^{\circ} 33' 35''$
 Section 6/10
 Apparent magnitude: 2.29
 Absolute magnitude: -3.02

76. Dschubba

δ Scorpii
 Constellation: Scorpius
 RA 16h 1' 25.8"
 Decl. $-22^{\circ} 40' 2''$
 Section 6/11
 Apparent magnitude: 2.29
 Absolute magnitude: -3.16

77. Wei

ϵ Scorpii
 Constellation: Scorpius
 RA 16h 51' 21.9"
 Decl. $-34^{\circ} 19' 3''$
 Section 7/12
 Apparent magnitude: 2.29
 Absolute magnitude: 0.78

78. Men

α Lupi
 Constellation: Lupus
 RA 14h 43' 10.1"
 Decl. $-47^{\circ} 27' 59''$
 Section 6/10
 Apparent magnitude: 2.3
 Absolute magnitude: -3.83

79. η Centauri

Constellation: Centaurus
 RA 14h 36' 41.4"
 Decl. $-42^{\circ} 14' 17''$
 Section 6/10
 Apparent magnitude: 2.33v
 Absolute magnitude: -2.55

80. Merak

β Ursae Majoris
 Constellation: Ursa Major
 RA 11h 2' 56.8"
 Decl. $56^{\circ} 16' 5''$
 Section 5/8
 Apparent magnitude: 2.34
 Absolute magnitude: 0.41

81. Izar

ϵ Boötis
 Constellation: Boötes
 RA 14h 45' 47.7"
 Decl. $26^{\circ} 59' 4''$
 Section 6/10
 Apparent magnitude: 2.35
 Absolute magnitude: -1.69

82. Enif

ϵ Pegasi
 Constellation: Pegasus
 RA 21h 45' 5.7"
 Decl. $9^{\circ} 57' 3''$
 Section 8/15
 Apparent magnitude: 2.38
 Absolute magnitude: -4.19

83. Girtab

κ Scorpii
 Constellation: Scorpius
 RA 17h 43' 46.1"
 Decl. $-39^{\circ} 2' 16''$
 Section 7/12
 Apparent magnitude: 2.39
 Absolute magnitude: -3.38

84. Ankaa

α Phoenicis
 Constellation: Phoenix
 RA 0h 27' 11.7"
 Decl. $-42^{\circ} 12' 20''$
 Section 1/1
 Apparent magnitude: 2.4
 Absolute magnitude: 0.52

85. Phecda

γ Ursae Majoris
 Constellation: Ursa Major
 RA 11h 54' 47.8"
 Decl. 53° 35' 3"
 Section 5/8
 Apparent magnitude: 2.41
 Absolute magnitude: 0.36

86. Sabik

η Ophiuchi
 Constellation: Ophiuchus
 RA 17h 11' 26.4"
 Decl. -15° 44' 4"
 Section 7/12
 Apparent magnitude: 2.43
 Absolute magnitude: 0.37

87. Scheat

β Pegasi
 Constellation: Pegasus
 RA 23h 4' 40.4"
 Decl. 28° 11' 0"
 Section 1/16
 Apparent magnitude: 2.44v
 Absolute magnitude: -1.49

88. Aludra

η Canis Majoris
 Constellation: Canis Major
 RA 7h 24' 49.6"
 Decl. -29° 20' 2"
 Section 3/5
 Apparent magnitude: 2.45
 Absolute magnitude: -7.51

89. Alderamin

α Cephei
 Constellation: Cepheus
 RA 21h 19' 1.2"
 Decl. 62° 39' 5"
 Section 8/15
 Apparent magnitude: 2.45
 Absolute magnitude: 1.58

90. Markeb

κ Velorum
 Constellation: Vela
 RA 9h 22' 41.2"
 Decl. -55° 5' 25"
 Section 4/7
 Apparent magnitude: 2.47
 Absolute magnitude: -3.62

91. Gienah

ϵ Cygni
 Constellation: Cygnus
 RA 20h 46' 57.6"
 Decl. 34° 2' 2"
 Section 8/14
 Apparent magnitude: 2.48
 Absolute magnitude: 0.76

92. Markab

α Pegasi
 Constellation: Pegasus
 RA 23h 5' 41"
 Decl. 15° 18' 1"
 Section 1/16
 Apparent magnitude: 2.49
 Absolute magnitude: -0.67

93. Menkar

α Ceti
 Constellation: Cetus
 RA 3h 3' 14.9"
 Decl. 4° 9' 4"
 Section 2/3
 Apparent magnitude: 2.54
 Absolute magnitude: -1.61

94. Han

ζ Ophiuchi
 Constellation: Ophiuchus
 RA 16h 38' 10.8"
 Decl. -10° 36' 1"
 Section 7/12
 Apparent magnitude: 2.54
 Absolute magnitude: -3.2

95. ζ Centauri

Constellation: Centaurus
 RA 13h 56' 42.2"
 Decl. -47° 22' 43"
 Section 6/10
 Apparent magnitude: 2.55
 Absolute magnitude: -2.81

96. Zosma

δ Leonis
 Constellation: Leo
 RA 11h 15' 5.4"
 Decl. 20° 25' 1"
 Section 5/8
 Apparent magnitude: 2.56
 Absolute magnitude: 1.32

98. Arneb

α Leporis
 Constellation: Lepus
 RA 5h 33' 32.8"
 Decl. -17° 48' 3"
 Section 3/4
 Apparent magnitude: 2.58
 Absolute magnitude: -5.4

99. δ Centauri

Constellation: Centaurus
 RA 12h 9' 19.5"
 Decl. -50° 49' 31"
 Section 5/9
 Apparent magnitude: 2.58v
 Absolute magnitude: -2.84

100. Gienah Ghurab

γ Corvi
 Constellation: Corvus
 RA 12h 16' 45.6"
 Decl. -17° 38' 4"
 Section 5/9
 Apparent magnitude: 2.58
 Absolute magnitude: -0.94

101. Ascella

ζ Sagittarii
 Constellation: Sagittarius
 RA 19h 3' 47.2"
 Decl. -29° 51' 0"
 Section 7/13
 Apparent magnitude: 2.6
 Absolute magnitude: 0.42

102. Zubeneshamali

β Librae
 Constellation: Libra
 RA 15h 18' 0.3"
 Decl. -9° 27' 0"
 Section 6/11
 Apparent magnitude: 2.61
 Absolute magnitude: -0.84

103. Unukalhai

α Serpentis
 Constellation: Serpens
 RA 15h 45' 10.8"
 Decl. 6° 22' 0"
 Section 6/11
 Apparent magnitude: 2.63
 Absolute magnitude: 0.87

104. Sheratan

β Arietis
 Constellation: Aries
 RA 1h 55' 40"
 Decl. 20° 53' 5"
 Section 2/2
 Apparent magnitude: 2.64
 Absolute magnitude: 1.33

105. Zubenelgenubi

α^2 Librae
 Constellation: Libra
 RA 14h 50' 52.7131"
 Decl. -16° 2' 30.3955"
 Section 6/10
 Apparent magnitude: 2.64
 Absolute magnitude: 0.77

106. Phact

α Columbae
 Constellation: Columba
 RA 5h 40' 19.2"
 Decl. -34° 3' 55"
 Section 3/4
 Apparent magnitude: 2.65
 Absolute magnitude: -1.93

107. θ Aurigæ

Constellation: Auriga
RA 6h 0' 59"
Decl. 37° 12' 4"
Section 3/5
Apparent magnitude: 2.65
Absolute magnitude: -0.98

108. Kraz

β Corvi
Constellation: Corvus
RA 12h 35' 21.7"
Decl. -23° 29' 5"
Section 5/9
Apparent magnitude: 2.65
Absolute magnitude: -0.51

109. Ruchbah

δ Cassiopeiae
Constellation: Cassiopeia
RA 1h 27' 2.5"
Decl. 60° 19' 5"
Section 1/1
Apparent magnitude: 2.66
Absolute magnitude: 0.24

110. Muphrid

η Boötis
Constellation: Boötes
RA 13h 55' 33.9"
Decl. 18° 18' 2"
Section 6/10
Apparent magnitude: 2.68
Absolute magnitude: 2.41

111. Ke Kouan

β Lupi
Constellation: Lupus
RA 14h 59' 45.1"
Decl. -43° 12' 26"
Section 6/10
Apparent magnitude: 2.68
Absolute magnitude: -3.35

112. Hassaleh

ι Aurigæ
Constellation: Auriga
RA 4h 58' 12.1"
Decl. 33° 11' 3"
Section 3/4
Apparent magnitude: 2.69
Absolute magnitude: -3.29

113. μ Velorum

Constellation: Vela
RA 10h 47' 34.2"
Decl. -49° 31' 6"
Section 5/8
Apparent magnitude: 2.69
Absolute magnitude: -0.06

114. α Muscæ

Constellation: Musca
RA 12h 38' 18.4"
Decl. -69° 14' 14"
Section 5/9
Apparent magnitude: 2.69
Absolute magnitude: -2.17

115. Lesath

ν Scorpii
Constellation: Scorpius
RA 17h 32' 1.4"
Decl. -37° 18' 3"
Section 7/12
Apparent magnitude: 2.7
Absolute magnitude: -3.31

116. π Puppis

Constellation: Puppis
RA 7h 17' 47.8"
Decl. -37° 7' 54"
Section 3/5
Apparent magnitude: 2.71
Absolute magnitude: -4.92

117. Kaus Meridionalis

δ Sagittarii
Constellation: Sagittarius
RA 18h 22' 10.7"
Decl. -29° 49' 0"
Section 7/13
Apparent magnitude: 2.72
Absolute magnitude: -2.14

118. Tarazed

γ Aquilæ
Constellation: Aquila
RA 19h 47' 8.3"
Decl. 10° 39' 3"
Section 8/14
Apparent magnitude: 2.72
Absolute magnitude: -3.03

119. Yed Prior

δ Ophiuchi
Constellation: Ophiuchus
RA 16h 15' 19"
Decl. -3° 44' 2"
Section 6/11
Apparent magnitude: 2.73
Absolute magnitude: -0.86

120. Aldhibain

η Draconis
Constellation: Draco
RA 16h 24' 14.7"
Decl. 61° 28' 2"
Section 6/11
Apparent magnitude: 2.73
Absolute magnitude: 0.58

121. θ Carinæ

Constellation: Carina
RA 10h 43' 37.3"
Decl. -64° 29' 30"
Section 5/8
Apparent magnitude: 2.74
Absolute magnitude: -2.91

122. Porrima

γ Virginis
Constellation: Virgo
RA 12h 41' 39.6434"
Decl. -1° 26' 57.7421"
Section 5/9
Apparent magnitude: 2.74
Absolute magnitude: 2.38

123. Hatysa

ι Orionis
Constellation: Orion
RA 5h 36' 20.3"
Decl. -5° 53' 5"
Section 3/4
Apparent magnitude: 2.75
Absolute magnitude: -5.3

124. ι Centauri

Constellation: Centaurus
RA 13h 21' 38.6"
Decl. -36° 48' 34"
Section 5/9
Apparent magnitude: 2.75
Absolute magnitude: 1.48

125. Cebalrai

β Ophiuchi
Constellation: Ophiuchus
RA 17h 44' 23.2"
Decl. 4° 33' 3"
Section 7/12
Apparent magnitude: 2.76
Absolute magnitude: 0.76

126. Kursa

β Eridani
Constellation: Eridanus
RA 5h 8' 45.6"
Decl. -5° 3' 5"
Section 3/4
Apparent magnitude: 2.78
Absolute magnitude: 0.6

127. Kornephoros

β Herculis
Constellation: Hercules
RA 16h 31' 1"
Decl. 21° 27' 0"
Section 7/12
Apparent magnitude: 2.78
Absolute magnitude: -0.5

128. δ Crucis

Constellation: Crux
RA 12h 16' 8.3"
Decl. $-58^{\circ} 51' 6''$
Section 5/9
Apparent magnitude: 2.79
Absolute magnitude: -2.45

129. Rastaban

β Draconis
Constellation: Draco
RA 17h 30' 51.1"
Decl. $52^{\circ} 17' 1''$
Section 7/12
Apparent magnitude: 2.79
Absolute magnitude: -2.43

130. Cor Caroli 2

α^2 Canum Venaticorum
Constellation: Canes Venatici
RA 12h 56' 1.66622"
Decl. $38^{\circ} 19' 6.1541''$
Section 5/9
Apparent magnitude: 2.98v
Absolute magnitude: 0.16

131. γ Lupi

Constellation: Lupus
RA 15h 36' 22.8"
Decl. $-41^{\circ} 13' 39''$
Section 6/11
Apparent magnitude: 2.8
Absolute magnitude: -3.4

132. Nihal

β Leporis
Constellation: Lepus
RA 5h 29' 2.3"
Decl. $-20^{\circ} 44' 4''$
Section 3/4
Apparent magnitude: 2.81
Absolute magnitude: -0.63

133. Rutilicus

ζ Herculis
Constellation: Hercules
RA 16h 41' 59.1"
Decl. $31^{\circ} 34' 1''$
Section 7/12
Apparent magnitude: 2.81
Absolute magnitude: 2.64

134. β Hydri

Constellation: Hydrus
RA 0h 26' 41.9"
Decl. $-77^{\circ} 9' 1''$
Section 1/1
Apparent magnitude: 2.82
Absolute magnitude: 3.45

135. τ Scorpii

Constellation: Scorpius
RA 16h 37' 2.2"
Decl. $-28^{\circ} 15' 1''$
Section 7/12
Apparent magnitude: 2.82
Absolute magnitude: -2.78

136. Kaus Borealis

λ Sagittarii
Constellation: Sagittarius
RA 18h 29' 6.7"
Decl. $-25^{\circ} 24' 3''$
Section 7/13
Apparent magnitude: 2.82
Absolute magnitude: 0.95

137. Algenib

γ Pegasi
Constellation: Pegasus
RA 0h 14' 11.4"
Decl. $15^{\circ} 17' 1''$
Section 1/1
Apparent magnitude: 2.83
Absolute magnitude: -2.22

138. Turais

ρ Puppis
Constellation: Puppis
RA 8h 8' 19.9"
Decl. $-24^{\circ} 21' 3''$
Section 4/6
Apparent magnitude: 2.83
Absolute magnitude: 1.41

139. β Trianguli Australis

Constellation: Triangulum Australe
RA 15h 56' 47.3"
Decl. $-63^{\circ} 29' 9''$
Section 6/11
Apparent magnitude: 2.83
Absolute magnitude: 2.38

140. ζ Persei

Constellation: Perseus
RA 3h 55' 18"
Decl. $31^{\circ} 56' 1''$
Section 2/3
Apparent magnitude: 2.84
Absolute magnitude: -4.55

141. β Aræ

Constellation: Ara
RA 17h 26' 50.5"
Decl. $-55^{\circ} 32' 43''$
Section 7/12
Apparent magnitude: 2.84
Absolute magnitude: -3.49

142. Choo

α Arae
Constellation: Ara
RA 17h 33' 16.4"
Decl. $-49^{\circ} 53' 20''$
Section 7/12
Apparent magnitude: 2.84
Absolute magnitude: -1.51

143. Alcyone

η Tauri
Constellation: Taurus
RA 3h 48' 35.3"
Decl. $24^{\circ} 9' 4''$
Section 2/3
Apparent magnitude: 2.85
Absolute magnitude: -2.41

144. Vindemiatrix

ϵ Virginis
Constellation: Virgo
RA 13h 3' 5.9"
Decl. $10^{\circ} 51' 3''$
Section 5/9
Apparent magnitude: 2.85
Absolute magnitude: 0.37

145. Deneb Algedi

δ Capricorni
Constellation: Capricornus
RA 21h 48' 3.6"
Decl. $-16^{\circ} 2' 3''$
Section 8/15
Apparent magnitude: 2.85
Absolute magnitude: 2.49

146. α Hydri

Constellation: Hydrus
RA 1h 59' 21.1"
Decl. $-61^{\circ} 28' 49''$
Section 2/2
Apparent magnitude: 2.86
Absolute magnitude: 1.16

147. δ Cygni

Constellation: Cygnus
RA 19h 45' 33.2"
Decl. $45^{\circ} 10' 3''$
Section 8/14
Apparent magnitude: 2.86
Absolute magnitude: -0.74

148. Tejat

μ Geminorum
Constellation: Gemini
RA 6h 24' 4.8"
Decl. $22^{\circ} 30' 0''$
Section 3/5
Apparent magnitude: 2.87v
Absolute magnitude: -1.39v

149. γ Trianguli Australis

Constellation: Triangulum Australe
 RA 15h 18' 54.582"
 Decl. $-68^{\circ} 40' 46.3654''$
 Section 6/11
 Apparent magnitude: 2.87
 Absolute magnitude: -0.87

150. α Tucanæ

Constellation: Tucana
 RA 22h 19' 45.2"
 Decl. $-60^{\circ} 10' 0''$
 Section 8/15
 Apparent magnitude: 2.87
 Absolute magnitude: -1.05

151. Acamar

θ^1 Eridani
 Constellation: Eridanus
 RA 2h 58' 15.6792"
 Decl. $-40^{\circ} 18' 16.8457''$
 Section 2/2
 Apparent magnitude: 2.88
 Absolute magnitude: -0.59

152. Albaldah

π Sagittarii
 Constellation: Sagittarius
 RA 19h 10' 51.8"
 Decl. $-20^{\circ} 59' 3''$
 Section 7/13
 Apparent magnitude: 2.88
 Absolute magnitude: -2.77

153. Gomeisa

β Canis Minoris
 Constellation: Canis Minor
 RA 7h 28' 9.2"
 Decl. $8^{\circ} 15' 0''$
 Section 3/5
 Apparent magnitude: 2.89
 Absolute magnitude: -0.7

154. π Scorpii

Constellation: Scorpius
 RA 15h 59' 58.5"
 Decl. $-26^{\circ} 9' 5''$
 Section 6/11
 Apparent magnitude: 2.89
 Absolute magnitude: -2.85

155. ϵ Persei

Constellation: Perseus
 RA 3h 59' 6.1"
 Decl. $40^{\circ} 3' 4''$
 Section 2/3
 Apparent magnitude: 2.9
 Absolute magnitude: -3.19

156. Alniyat

σ Scorpii
 Constellation: Scorpius
 RA 16h 22' 19"
 Decl. $-25^{\circ} 38' 0''$
 Section 6/11
 Apparent magnitude: 2.9v
 Absolute magnitude: -3.86v

157. Albireo

β Cygni
 Constellation: Cygnus
 RA 19h 31' 28.1"
 Decl. $27^{\circ} 59' 5''$
 Section 8/14
 Apparent magnitude: 2.9
 Absolute magnitude: -2.31

158. Sadalsuud

β Aquarii
 Constellation: Aquarius
 RA 21h 32' 31.9"
 Decl. $-5^{\circ} 29' 2''$
 Section 8/15
 Apparent magnitude: 2.9
 Absolute magnitude: -3.47

159. γ Persei

Constellation: Perseus
 RA 3h 6' 8.9"
 Decl. $53^{\circ} 34' 3''$
 Section 2/3
 Apparent magnitude: 2.91
 Absolute magnitude: -1.57

160. ν Carinæ

Constellation: Carina
 RA 9h 47' 33.8"
 Decl. $-65^{\circ} 9' 29''$
 Section 4/7
 Apparent magnitude: 2.92
 Absolute magnitude: -5.56

161. Matar

η Pegasi
 Constellation: Pegasus
 RA 22h 43' 52.3"
 Decl. $30^{\circ} 19' 0''$
 Section 1/16
 Apparent magnitude: 2.93
 Absolute magnitude: -1.16

162. τ Puppis

Constellation: Puppis
 RA 6h 50' 23.7"
 Decl. $-50^{\circ} 38' 14''$
 Section 3/5
 Apparent magnitude: 2.94
 Absolute magnitude: -0.8

163. Algorel

δ Corvi
 Constellation: Corvus
 RA 12h 30' 49.4"
 Decl. $-16^{\circ} 37' 0''$
 Section 5/9
 Apparent magnitude: 2.94
 Absolute magnitude: 0.79

164. Sadalmelik

α Aquarii
 Constellation: Aquarius
 RA 22h 6' 44"
 Decl. $0^{\circ} 13' 4''$
 Section 8/15
 Apparent magnitude: 2.95
 Absolute magnitude: -3.88

165. Zaurak

γ Eridani
 Constellation: Eridanus
 RA 3h 58' 53.6"
 Decl. $-13^{\circ} 27' 2''$
 Section 2/3
 Apparent magnitude: 2.97
 Absolute magnitude: -1.19

166. Alheka

ζ Tauri
 Constellation: Taurus
 RA 5h 38' 45.1"
 Decl. $21^{\circ} 9' 0''$
 Section 3/4
 Apparent magnitude: 2.97
 Absolute magnitude: -2.56

167. Ras Elased Australis

ϵ Leonis
 Constellation: Leo
 RA 9h 46' 53.9"
 Decl. $23^{\circ} 41' 1''$
 Section 4/7
 Apparent magnitude: 2.97
 Absolute magnitude: -1.46

168. Alnasl

γ Sagittarii
 Constellation: Sagittarius
 RA 18h 6' 59.8"
 Decl. $-30^{\circ} 25' 2''$
 Section 7/13
 Apparent magnitude: 2.98
 Absolute magnitude: 0.63

169. γ Hydrae

Constellation: Hydra
 RA 13h 19' 55.9"
 Decl. $-23^{\circ} 16' 0''$
 Section 5/9
 Apparent magnitude: 2.99
 Absolute magnitude: -0.05

170. ι^1 Scorpii

Constellation: Scorpius
 RA 17h 48' 52.8"
 Decl. $-40^\circ 7' 56''$
 Section 7/12
 Apparent magnitude: 2.99
 Absolute magnitude: -5.71

171. Deneb el Okab

ζ Aquilae
 Constellation: Aquila
 RA 19h 6' 15.6"
 Decl. $13^\circ 53' 3''$
 Section 7/13
 Apparent magnitude: 2.99
 Absolute magnitude: 0.96

172. β Trianguli

Constellation: Triangulum
 RA 2h 10' 39.1"
 Decl. $35^\circ 4' 2''$
 Section 2/2
 Apparent magnitude: 3
 Absolute magnitude: 0.09

173. ψ Ursae Majoris

Constellation: Ursa Major
 RA 11h 10' 41.8"
 Decl. $44^\circ 23' 5''$
 Section 5/8
 Apparent magnitude: 3
 Absolute magnitude: -0.27

174. Pherkad Major

γ Ursae Minoris
 Constellation: Ursa Minor
 RA 15h 20' 42.8"
 Decl. $71^\circ 46' 0''$
 Section 6/11
 Apparent magnitude: 3
 Absolute magnitude: -2.84

175. μ^1 Scorpii

Constellation: Scorpius
 RA 16h 53' 7.6"
 Decl. $-38^\circ 4' 39''$
 Section 7/12
 Apparent magnitude: 3
 Absolute magnitude: -4.01

176. γ Gruis

Constellation: Grus
 RA 21h 55' 2.6"
 Decl. $-37^\circ 16' 37''$
 Section 8/15
 Apparent magnitude: 3
 Absolute magnitude: -0.97

177. δ Persei

Constellation: Perseus
 RA 3h 44' 15"
 Decl. $47^\circ 50' 4''$
 Section 2/3
 Apparent magnitude: 3.01
 Absolute magnitude: -3.04

178. Phurad

ζ Canis Majoris
 Constellation: Canis Major
 RA 6h 21' 1.4"
 Decl. $-30^\circ 4' 2''$
 Section 3/5
 Apparent magnitude: 3.02
 Absolute magnitude: -2.05

179. σ^2 Canis Majoris

Constellation: Canis Major
 RA 7h 3' 1.47211"
 Decl. $-23^\circ 49' 59.8523''$
 Section 3/5
 Apparent magnitude: 3.02
 Absolute magnitude: -6.46

180. Minkar

ϵ Corvi
 Constellation: Corvus
 RA 12h 11' 4.7"
 Decl. $-22^\circ 43' 2''$
 Section 5/9
 Apparent magnitude: 3.02
 Absolute magnitude: -1.82

181. Almaaz

ϵ Aurigae
 Constellation: Auriga
 RA 5h 3' 18"
 Decl. $43^\circ 50' 5''$
 Section 3/4
 Apparent magnitude: 3.03
 Absolute magnitude: -5.95

182. β Muscae

Constellation: Musca
 RA 12h 47' 26.1"
 Decl. $-68^\circ 12' 32''$
 Section 5/9
 Apparent magnitude: 3.04
 Absolute magnitude: -1.86

183. Seginus

γ Boötis
 Constellation: Boötes
 RA 14h 32' 49.3"
 Decl. $38^\circ 13' 4''$
 Section 6/10
 Apparent magnitude: 3.04
 Absolute magnitude: 0.96

184. Dabih

β Capricorni
 Constellation: Capricornus
 RA 20h 22' 2.9"
 Decl. $-14^\circ 43' 1''$
 Section 8/14
 Apparent magnitude: 3.05
 Absolute magnitude: -2.07

185. Mebsuta

ϵ Geminorum
 Constellation: Gemini
 RA 6h 45' 4.2"
 Decl. $25^\circ 6' 4''$
 Section 3/5
 Apparent magnitude: 3.06
 Absolute magnitude: -4.15

186. Tania Australis

μ Ursae Majoris
 Constellation: Ursa Major
 RA 10h 23' 25.5"
 Decl. $41^\circ 24' 2''$
 Section 4/7
 Apparent magnitude: 3.06
 Absolute magnitude: -1.35

187. Tais

δ Draconis
 Constellation: Draco
 RA 19h 12' 33.3"
 Decl. $67^\circ 41' 3''$
 Section 7/13
 Apparent magnitude: 3.07
 Absolute magnitude: 0.63

188. η Sagittarii

Constellation: Sagittarius
 RA 18h 18' 52.7"
 Decl. $-36^\circ 45' 16''$
 Section 7/13
 Apparent magnitude: 3.1
 Absolute magnitude: -0.2

189. ζ Hydrae

Constellation: Hydra
 RA 8h 56' 22.2"
 Decl. $5^\circ 52' 2''$
 Section 4/6
 Apparent magnitude: 3.11
 Absolute magnitude: -0.21

190. ν Hydrae

Constellation: Hydra
 RA 10h 50' 32.3"
 Decl. $-16^\circ 17' 27''$
 Section 5/8
 Apparent magnitude: 3.11
 Absolute magnitude: -0.03

191. λ Centauri

Constellation: Centaurus
 RA 11h 36' 38.6"
 Decl. $-63^{\circ} 7' 20''$
 Section 5/8
 Apparent magnitude: 3.11
 Absolute magnitude: -2.39

192. Persian

α Indi
 Constellation: Indus
 RA 20h 38' 51.6"
 Decl. $-47^{\circ} 13' 32''$
 Section 8/14
 Apparent magnitude: 3.11
 Absolute magnitude: 0.65

193. Wazn

β Columbae
 Constellation: Columba
 RA 5h 51' 36.8"
 Decl. $-35^{\circ} 45' 44''$
 Section 3/4
 Apparent magnitude: 3.12
 Absolute magnitude: 1.02

194. Talita

ι Ursae Majoris
 Constellation: Ursa Major
 RA 9h 0' 28"
 Decl. $47^{\circ} 58' 0''$
 Section 4/7
 Apparent magnitude: 3.12
 Absolute magnitude: 2.29

195. ζ Arae

Constellation: Ara
 RA 17h 0' 9.4"
 Decl. $-56^{\circ} 1' 2''$
 Section 7/12
 Apparent magnitude: 3.12
 Absolute magnitude: -3.11

196. Sarin

δ Herculis
 Constellation: Hercules
 RA 17h 15' 47.5"
 Decl. $24^{\circ} 49' 0''$
 Section 7/12
 Apparent magnitude: 3.12
 Absolute magnitude: 1.21

197. Ke Kwan

κ Centauri
 Constellation: Centaurus
 RA 15h 0' 22.3"
 Decl. $-42^{\circ} 10' 38''$
 Section 6/11
 Apparent magnitude: 3.13
 Absolute magnitude: -2.96

198. α Lyncis

Constellation: Lynx
 RA 9h 22' 10.6"
 Decl. $34^{\circ} 18' 4''$
 Section 4/7
 Apparent magnitude: 3.14
 Absolute magnitude: -1.02

199. N Velorum

Constellation: Vela
 RA 9h 31' 13.3189"
 Decl. $-57^{\circ} 2' 3.7578''$
 Section 4/7
 Apparent magnitude: 3.16
 Absolute magnitude: -1.15

200. π Herculis

Constellation: Hercules
 RA 17h 15' 41.5"
 Decl. $36^{\circ} 47' 2''$
 Section 7/12
 Apparent magnitude: 3.16
 Absolute magnitude: -2.1

Stars According to Section (RA)

The first section number refers to the spherical biangle section. The two numbers following the slash refer to the two corresponding panel sections.

Section 1/16–1

RA 22h 30m–1h 30m

18. Fomalhaut

α Piscis Austrini
 Constellation: Piscis Austrinus
 RA 22h 57' 39.0465"
 Decl. $-29^{\circ} 37' 20.05''$
 Section 1/16
 Apparent magnitude: 1.15
 Absolute magnitude: 1.72

51. Diphda

β Ceti
 Constellation: Cetus
 RA 0h 44' 31"
 Decl. $-17^{\circ} 53' 0''$
 Section 1/1
 Apparent magnitude: 2.04
 Absolute magnitude: -0.3

54. Alpheratz

α Andromedae
 Constellation: Andromeda
 RA 0h 9' 20.9"
 Decl. $29^{\circ} 11' 3''$
 Section 1/1
 Apparent magnitude: 2.07
 Absolute magnitude: -0.3

55. Mirach

β Andromedae
 Constellation: Andromeda
 RA 1h 10' 46.4"
 Decl. $35^{\circ} 43' 0''$
 Section 1/1
 Apparent magnitude: 2.07
 Absolute magnitude: -1.86

58. Al Dhanab

β Gruis
 Constellation: Grus
 RA 22h 43' 45.8"
 Decl. $-46^{\circ} 47' 14''$
 Section 1/16
 Apparent magnitude: 2.07v
 Absolute magnitude: 1.52

63. Cih

γ Cassiopeiae
 Constellation: Cassiopeia
 RA 0h 57' 50.4"
 Decl. $60^{\circ} 48' 5''$
 Section 1/1
 Apparent magnitude: 2.15v
 Absolute magnitude: -4.22

71. Schedar

α Cassiopeiae
 Constellation: Cassiopeia
 RA 0h 41' 34.1"
 Decl. $56^{\circ} 38' 1''$
 Section 1/1
 Apparent magnitude: 2.24
 Absolute magnitude: -1.99

74. Caph

β Cassiopeiae
 Constellation: Cassiopeia
 RA 0h 10' 10.6"
 Decl. $59^{\circ} 15' 0''$
 Section 1/1
 Apparent magnitude: 2.28
 Absolute magnitude: 1.17

84. Ankaa

α Phoenicis
 Constellation: Phoenix
 RA 0h 27' 11.7"
 Decl. $-42^{\circ} 12' 20''$
 Section 1/1
 Apparent magnitude: 2.4
 Absolute magnitude: 0.52

87. Scheat

β Pegasi
 Constellation: Pegasus
 RA 23h 4' 40.4"
 Decl. $28^{\circ} 11' 0''$
 Section 1/16
 Apparent magnitude: 2.44v
 Absolute magnitude: -1.49

92. Markab

α Pegasi
 Constellation: Pegasus
 RA 23h 5' 41"
 Decl. $15^{\circ} 18' 1''$
 Section 1/16
 Apparent magnitude: 2.49
 Absolute magnitude: -0.67

109. Ruchbah

δ Cassiopeiae
 Constellation: Cassiopeia
 RA 1h 27' 2.5"
 Decl. $60^{\circ} 19' 5''$
 Section 1/1
 Apparent magnitude: 2.66
 Absolute magnitude: 0.24

134. β Hydri

Constellation: Hydrus
 RA 0h 26' 41.9"
 Decl. $-77^{\circ} 9' 1''$
 Section 1/1
 Apparent magnitude: 2.82
 Absolute magnitude: 3.45

137. Algenib

γ Pegasi
 Constellation: Pegasus
 RA 0h 14' 11.4"
 Decl. $15^{\circ} 17' 1''$
 Section 1/1
 Apparent magnitude: 2.83
 Absolute magnitude: -2.22

161. Matar

η Pegasi
 Constellation: Pegasus
 RA 22h 43' 52.3"
 Decl. $30^{\circ} 19' 0''$
 Section 1/16
 Apparent magnitude: 2.93
 Absolute magnitude: -1.16

Section 2/2–3

RA 1h 30m–4h 30m

9. Achernar

α Eridani
 Constellation: Eridanus
 RA 1h 38' 24"
 Decl. $-57^{\circ} 8' 36''$
 Section 2/2
 Apparent magnitude: 0.45
 Absolute magnitude: -2.77

33. Mirfak

α Persei
 Constellation: Perseus
 RA 3h 25' 39.2"
 Decl. $49^{\circ} 55' 3''$
 Section 2/3
 Apparent magnitude: 1.8
 Absolute magnitude: -4.49

50. Hamal

α Arietis
 Constellation: Aries
 RA 2h 8' 13.2"
 Decl. $23^{\circ} 32' 5''$
 Section 2/2
 Apparent magnitude: 2.01
 Absolute magnitude: 0.48

60. Algol β Persei

Constellation: Perseus

RA 3h 9' 22.8"

Decl. 41° 1' 3"

Section 2/3

Apparent magnitude: 2.09

Absolute magnitude: 0.18

61. Almach γ Andromedae

Constellation: Andromeda

RA 2h 3' 53.9523"

Decl. 42° 19' 47.0223"

Section 2/2

Apparent magnitude: 2.1

Absolute magnitude: -3.08

93. Menkar α Ceti

Constellation: Cetus

RA 3h 3' 14.9"

Decl. 4° 9' 4"

Section 2/3

Apparent magnitude: 2.54

Absolute magnitude: -1.61

104. Sheratan β Arietis

Constellation: Aries

RA 1h 55' 40"

Decl. 20° 53' 5"

Section 2/2

Apparent magnitude: 2.64

Absolute magnitude: 1.33

140. ζ Persei

Constellation: Perseus

RA 3h 55' 18"

Decl. 31° 56' 1"

Section 2/3

Apparent magnitude: 2.84

Absolute magnitude: -4.55

143. Alcyone η Tauri

Constellation: Taurus

RA 3h 48' 35.3"

Decl. 24° 9' 4"

Section 2/3

Apparent magnitude: 2.85

Absolute magnitude: -2.41

146. α Hydri

Constellation: Hydrus

RA 1h 59' 21.1"

Decl. -61° 28' 49"

Section 2/2

Apparent magnitude: 2.86

Absolute magnitude: 1.16

151. Acamar θ^1 Eridani

Constellation: Eridanus

RA 2h 58' 15.6792"

Decl. -40° 18' 16.8457"

Section 2/2

Apparent magnitude: 2.88

Absolute magnitude: -0.59

155. ϵ Persei

Constellation: Perseus

RA 3h 59' 6.1"

Decl. 40° 3' 4"

Section 2/3

Apparent magnitude: 2.9

Absolute magnitude: -3.19

159. γ Persei

Constellation: Perseus

RA 3h 6' 8.9"

Decl. 53° 34' 3"

Section 2/3

Apparent magnitude: 2.91

Absolute magnitude: -1.57

165. Zaurak γ Eridani

Constellation: Eridanus

RA 3h 58' 53.6"

Decl. -13° 27' 2"

Section 2/3

Apparent magnitude: 2.97

Absolute magnitude: -1.19

172. β Trianguli

Constellation: Triangulum

RA 2h 10' 39.1"

Decl. 35° 4' 2"

Section 2/2

Apparent magnitude: 3

Absolute magnitude: 0.09

177. δ Persei

Constellation: Perseus

RA 3h 44' 15"

Decl. 47° 50' 4"

Section 2/3

Apparent magnitude: 3.01

Absolute magnitude: -3.04

Section 3/4–5**RA 4h 30m–7h 30m****1. Sirius** α Canis Majoris

Constellation: Canis Major

RA 6h 45' 57.4"

Decl. -16° 44' 3"

Section 3/5

Apparent magnitude: -1.46

Absolute magnitude: 1.43

2. Canopus α Carinae

Constellation: Carina

RA 6h 24' 21.8"

Decl. -52° 42' 23"

Section 3/5

Apparent magnitude: -0.73

Absolute magnitude: -5.64

6. Capella α Aurigae

Constellation: Auriga

RA 5h 18' 3.5"

Decl. 46° 0' 5"

Section 3/4

Apparent magnitude: 0.07

Absolute magnitude: -0.49

7. Rigel β Orionis

Constellation: Orion

RA 5h 15' 25.7"

Decl. -8° 10' 5"

Section 3/4

Apparent magnitude: 0.15v

Absolute magnitude: -6.72v

10. Betelgeuse α Orionis

Constellation: Orion

RA 5h 56' 10.4"

Decl. 7° 24' 3"

Section 3/4

Apparent magnitude: 0.55v

Absolute magnitude: -5.04v

14. Aldebaran α Tauri

Constellation: Taurus

RA 4h 36' 59.1"

Decl. 16° 32' 4"

Section 3/4

Apparent magnitude: 0.86v

Absolute magnitude: -0.64v

22. Adhara ϵ Canis Majoris

Constellation: Canis Major

RA 6h 59' 21.2"

Decl. -28° 59' 5"

Section 3/5

Apparent magnitude: 1.5

Absolute magnitude: -4.1

26. Bellatrix γ Orionis

Constellation: Orion

RA 5h 26' 7.5"

Decl. 6° 21' 5"

Section 3/4

Apparent magnitude: 1.64

Absolute magnitude: -2.72

27. Elnath

β Tauri
 Constellation: Taurus
 RA 5h 27' 27.8"
 Decl. 28° 37' 1"
 Section 3/4
 Apparent magnitude: 1.66
 Absolute magnitude: -1.36

29. Alnilam

ϵ Orionis
 Constellation: Orion
 RA 5h 37' 9.2"
 Decl. -1° 11' 2"
 Section 3/4
 Apparent magnitude: 1.69
 Absolute magnitude: -6.38

31. Alnitak

ζ Orionis
 Constellation: Orion
 RA 5h 41' 41.6"
 Decl. -1° 56' 0"
 Section 3/4
 Apparent magnitude: 1.75
 Absolute magnitude: -5.25

36. Wezen

δ Canis Majoris
 Constellation: Canis Major
 RA 7h 9' 8.6"
 Decl. -26° 25' 2"
 Section 3/5
 Apparent magnitude: 1.83
 Absolute magnitude: -6.87

41. Menkalinan

β Aurigae
 Constellation: Auriga
 RA 6h 0' 53.2"
 Decl. 44° 56' 5"
 Section 3/5
 Apparent magnitude: 1.9
 Absolute magnitude: -0.1

43. Alhena

γ Geminorum
 Constellation: Gemini
 RA 6h 38' 46.8"
 Decl. 16° 22' 5"
 Section 3/5
 Apparent magnitude: 1.93
 Absolute magnitude: -0.6

46. Mirzam

β Canis Majoris
 Constellation: Canis Major
 RA 6h 23' 30.9"
 Decl. -17° 57' 5"
 Section 3/5
 Apparent magnitude: 1.98
 Absolute magnitude: -3.95

56. Saiph

κ Orionis
 Constellation: Orion
 RA 5h 48' 38.1"
 Decl. -9° 39' 5"
 Section 3/4
 Apparent magnitude: 2.07
 Absolute magnitude: -4.65

73. Mintaka

δ Orionis
 Constellation: Orion
 RA 5h 32' 57.2"
 Decl. 0° 17' 1"
 Section 3/4
 Apparent magnitude: 2.25
 Absolute magnitude: -4.99

88. Aludra

η Canis Majoris
 Constellation: Canis Major
 RA 7h 24' 49.6"
 Decl. -29° 20' 2"
 Section 3/5
 Apparent magnitude: 2.45
 Absolute magnitude: -7.51

98. Arneb

α Leporis
 Constellation: Lepus
 RA 5h 33' 32.8"
 Decl. -17° 48' 3"
 Section 3/4
 Apparent magnitude: 2.58
 Absolute magnitude: -5.4

106. Phact

α Columbae
 Constellation: Columba
 RA 5h 40' 19.2"
 Decl. -34° 3' 55"
 Section 3/4
 Apparent magnitude: 2.65
 Absolute magnitude: -1.93

107. θ Aurigæ

Constellation: Auriga
 RA 6h 0' 59"
 Decl. 37° 12' 4"
 Section 3/5
 Apparent magnitude: 2.65
 Absolute magnitude: -0.98

112. Hassaleh

ι Aurigae
 Constellation: Auriga
 RA 4h 58' 12.1"
 Decl. 33° 11' 3"
 Section 3/4
 Apparent magnitude: 2.69
 Absolute magnitude: -3.29

116. π Puppis

Constellation: Puppis
 RA 7h 17' 47.8"
 Decl. -37° 7' 54"
 Section 3/5
 Apparent magnitude: 2.71
 Absolute magnitude: -4.92

123. Hatysa

ι Orionis
 Constellation: Orion
 RA 5h 36' 20.3"
 Decl. -5° 53' 5"
 Section 3/4
 Apparent magnitude: 2.75
 Absolute magnitude: -5.3

126. Kursa

β Eridani
 Constellation: Eridanus
 RA 5h 8' 45.6"
 Decl. -5° 3' 5"
 Section 3/4
 Apparent magnitude: 2.78
 Absolute magnitude: 0.6

132. Nihal

β Leporis
 Constellation: Lepus
 RA 5h 29' 2.3"
 Decl. -20° 44' 4"
 Section 3/4
 Apparent magnitude: 2.81
 Absolute magnitude: -0.63

148. Tejat

μ Geminorum
 Constellation: Gemini
 RA 6h 24' 4.8"
 Decl. 22° 30' 0"
 Section 3/5
 Apparent magnitude: 2.87v
 Absolute magnitude: -1.39v

153. Gomeisa

β Canis Minoris
 Constellation: Canis Minor
 RA 7h 28' 9.2"
 Decl. 8° 15' 0"
 Section 3/5
 Apparent magnitude: 2.89
 Absolute magnitude: -0.7

162. τ Puppis

Constellation: Puppis
 RA 6h 50' 23.7"
 Decl. -50° 38' 14"
 Section 3/5
 Apparent magnitude: 2.94
 Absolute magnitude: -0.8

166. Alheka

ζ Tauri
 Constellation: Taurus
 RA 5h 38' 45.1"
 Decl. 21° 9' 0"
 Section 3/4
 Apparent magnitude: 2.97
 Absolute magnitude: -2.56

178. Phurad

ζ Canis Majoris
 Constellation: Canis Major
 RA 6h 21' 1.4"
 Decl. -30° 4' 2"
 Section 3/5
 Apparent magnitude: 3.02
 Absolute magnitude: -2.05

179. o² Canis Majoris

Constellation: Canis Major
 RA 7h 3' 1.47211"
 Decl. -23° 49' 59.8523"
 Section 3/5
 Apparent magnitude: 3.02
 Absolute magnitude: -6.46

181. Almaaz

ε Aurigae
 Constellation: Auriga
 RA 5h 3' 18"
 Decl. 43° 50' 5"
 Section 3/4
 Apparent magnitude: 3.03
 Absolute magnitude: -5.95

185. Mebsuta

ε Geminorum
 Constellation: Gemini
 RA 6h 45' 4.2"
 Decl. 25° 6' 4"
 Section 3/5
 Apparent magnitude: 3.06
 Absolute magnitude: -4.15

193. Wazn

β Columbae
 Constellation: Columba
 RA 5h 51' 36.8"
 Decl. -35° 45' 44"
 Section 3/4
 Apparent magnitude: 3.12
 Absolute magnitude: 1.02

Section 4/6–7

RA 7h 30m–10h 30m

8. Procyon

α Canis Minoris
 Constellation: Canis Minor
 RA 7h 40' 16.3"
 Decl. 5° 10' 3"
 Section 4/6
 Apparent magnitude: 0.36
 Absolute magnitude: 2.64

17. Pollux

β Geminorum
 Constellation: Gemini
 RA 7h 46' 26.7"
 Decl. 27° 58' 4"
 Section 4/6
 Apparent magnitude: 1.14
 Absolute magnitude: 1.07

21. Regulus

α Leonis
 Constellation: Leo
 RA 10h 9' 21.3"
 Decl. 11° 52' 3"
 Section 4/7
 Apparent magnitude: 1.36
 Absolute magnitude: -0.52

23. Castor

α Geminorum
 Constellation: Gemini
 RA 7h 34' 35.863"
 Decl. 31° 53' 17.79"
 Section 4/6
 Apparent magnitude: 1.58
 Absolute magnitude: 0.59

28. Miaplacidus

β Carinae
 Constellation: Carina
 RA 9h 13' 23.7"
 Decl. -69° 47' 37"
 Section 4/7
 Apparent magnitude: 1.67
 Absolute magnitude: -0.99

35. Regor

γ Velorum
 Constellation: Vela
 RA 8h 9' 31.9501"
 Decl. -47° 20' 11.7108"
 Section 4/6
 Apparent magnitude: 1.81
 Absolute magnitude: -5.25

40. Avior

ε Carinae
 Constellation: Carina
 RA 8h 22' 53.5"
 Decl. -59° 34' 10"
 Section 4/6
 Apparent magnitude: 1.87
 Absolute magnitude: -4.57

45. Koo She

δ Velorum
 Constellation: Vela
 RA 8h 45' 12.9"
 Decl. -54° 46' 38"
 Section 4/6
 Apparent magnitude: 1.95
 Absolute magnitude: 0.01

47. Alphard

α Hydrae
 Constellation: Hydra
 RA 9h 28' 29.8"
 Decl. -8° 44' 2"
 Section 4/7
 Apparent magnitude: 1.98
 Absolute magnitude: -1.7

49. Algieba

γ Leonis
 Constellation: Leo
 RA 10h 19' 58.3506"
 Decl. 19° 50' 29.3468"
 Section 4/7
 Apparent magnitude: 2
 Absolute magnitude: -0.93

65. Naos

ζ Puppis
 Constellation: Puppis
 RA 8h 4' 14.1"
 Decl. -40° 3' 22"
 Section 4/6
 Apparent magnitude: 2.21
 Absolute magnitude: -5.95

66. Aspidiske

ι Carinae
 Constellation: Carina
 RA 9h 17' 35.1"
 Decl. -59° 21' 12"
 Section 4/7
 Apparent magnitude: 2.21v
 Absolute magnitude: -4.42

68. Suhail

λ Velorum
 Constellation: Vela
 RA 9h 8' 40.7"
 Decl. -43° 30' 29"
 Section 4/7
 Apparent magnitude: 2.23
 Absolute magnitude: -3.99

90. Markeb

κ Velorum
 Constellation: Vela
 RA 9h 22' 41.2"
 Decl. -55° 5' 25"
 Section 4/7
 Apparent magnitude: 2.47
 Absolute magnitude: -3.62

138. Turais

ρ Puppis
 Constellation: Puppis
 RA 8h 8' 19.9"
 Decl. $-24^{\circ} 21' 3''$
 Section 4/6
 Apparent magnitude: 2.83
 Absolute magnitude: 1.41

160. ν Carinae

Constellation: Carina
 RA 9h 47' 33.8"
 Decl. $-65^{\circ} 9' 29''$
 Section 4/7
 Apparent magnitude: 2.92
 Absolute magnitude: -5.56

167. Ras Elased Australis

ϵ Leonis
 Constellation: Leo
 RA 9h 46' 53.9"
 Decl. $23^{\circ} 41' 1''$
 Section 4/7
 Apparent magnitude: 2.97
 Absolute magnitude: -1.46

186. Tania Australis

μ Ursae Majoris
 Constellation: Ursa Major
 RA 10h 23' 25.5"
 Decl. $41^{\circ} 24' 2''$
 Section 4/7
 Apparent magnitude: 3.06
 Absolute magnitude: -1.35

189. ζ Hydræ

Constellation: Hydra
 RA 8h 56' 22.2"
 Decl. $5^{\circ} 52' 2''$
 Section 4/6
 Apparent magnitude: 3.11
 Absolute magnitude: -0.21

194. Talita

ι Ursae Majoris
 Constellation: Ursa Major
 RA 9h 0' 28"
 Decl. $47^{\circ} 58' 0''$
 Section 4/7
 Apparent magnitude: 3.12
 Absolute magnitude: 2.29

198. α Lyncis

Constellation: Lynx
 RA 9h 22' 10.6"
 Decl. $34^{\circ} 18' 4''$
 Section 4/7
 Apparent magnitude: 3.14
 Absolute magnitude: -1.02

199. N Velorum

Constellation: Vela
 RA 9h 31' 13.3189"
 Decl. $-57^{\circ} 2' 3.7578''$
 Section 4/7
 Apparent magnitude: 3.16
 Absolute magnitude: -1.15

Section 5/8–9**RA 10h 30m–13h 30m****16. Spica**

α Virginis
 Constellation: Virgo
 RA 13h 26' 10.2"
 Decl. $-11^{\circ} 15' 2''$
 Section 5/9
 Apparent magnitude: 0.97
 Absolute magnitude: -3.56

20. Mimosa

β Crucis
 Constellation: Crux
 RA 12h 48' 48.9"
 Decl. $-59^{\circ} 47' 22''$
 Section 5/9
 Apparent magnitude: 1.26
 Absolute magnitude: -3.91

25. Gacrux

γ Crucis
 Constellation: Crux
 RA 12h 32' 12.2"
 Decl. $-57^{\circ} 13' 0''$
 Section 5/9
 Apparent magnitude: 1.63
 Absolute magnitude: -0.52

32. Alioth

ϵ Ursae Majoris
 Constellation: Ursa Major
 RA 12h 54' 50.3"
 Decl. $55^{\circ} 51' 3''$
 Section 5/9
 Apparent magnitude: 1.77
 Absolute magnitude: -0.2

34. Dubhe

α Ursae Majoris
 Constellation: Ursa Major
 RA 11h 4' 51.2"
 Decl. $61^{\circ} 39' 0''$
 Section 5/8
 Apparent magnitude: 1.8
 Absolute magnitude: -1.09

62. Denebola

β Leonis
 Constellation: Leo
 RA 11h 50' 0.1"
 Decl. $14^{\circ} 28' 0''$
 Section 5/8
 Apparent magnitude: 2.14
 Absolute magnitude: 1.92

64. Muhlifain

γ Centauri
 Constellation: Centaurus
 RA 12h 42' 32.8"
 Decl. $-49^{\circ} 3' 40''$
 Section 5/9
 Apparent magnitude: 2.2
 Absolute magnitude: -0.81

69. Mizar

ζ Ursae Majoris
 Constellation: Ursa Major
 RA 13h 24' 40.1"
 Decl. $54^{\circ} 49' 4''$
 Section 5/9
 Apparent magnitude: 2.23
 Absolute magnitude: 0.33

80. Merak

β Ursae Majoris
 Constellation: Ursa Major
 RA 11h 2' 56.8"
 Decl. $56^{\circ} 16' 5''$
 Section 5/8
 Apparent magnitude: 2.34
 Absolute magnitude: 0.41

85. Phecda

γ Ursae Majoris
 Constellation: Ursa Major
 RA 11h 54' 47.8"
 Decl. $53^{\circ} 35' 3''$
 Section 5/8
 Apparent magnitude: 2.41
 Absolute magnitude: 0.36

96. Zosma

δ Leonis
 Constellation: Leo
 RA 11h 15' 5.4"
 Decl. $20^{\circ} 25' 1''$
 Section 5/8
 Apparent magnitude: 2.56
 Absolute magnitude: 1.32

99. δ Centauri

Constellation: Centaurus
 RA 12h 9' 19.5"
 Decl. $-50^{\circ} 49' 31''$
 Section 5/9
 Apparent magnitude: 2.58v
 Absolute magnitude: -2.84

100. Gienah Ghurab

γ Corvi
 Constellation: Corvus
 RA 12h 16' 45.6"
 Decl. $-17^{\circ} 38' 4''$
 Section 5/9
 Apparent magnitude: 2.58
 Absolute magnitude: -0.94

108. Kraz

β Corvi
 Constellation: Corvus
 RA 12h 35' 21.7"
 Decl. $-23^{\circ} 29' 5''$
 Section 5/9
 Apparent magnitude: 2.65
 Absolute magnitude: -0.51

113. μ Velorum

Constellation: Vela
 RA 10h 47' 34.2"
 Decl. $-49^{\circ} 31' 6''$
 Section 5/8
 Apparent magnitude: 2.69
 Absolute magnitude: -0.06

114. α Muscae

Constellation: Musca
 RA 12h 38' 18.4"
 Decl. $-69^{\circ} 14' 14''$
 Section 5/9
 Apparent magnitude: 2.69
 Absolute magnitude: -2.17

121. θ Carinae

Constellation: Carina
 RA 10h 43' 37.3"
 Decl. $-64^{\circ} 29' 30''$
 Section 5/8
 Apparent magnitude: 2.74
 Absolute magnitude: -2.91

122. Porrima

γ Virginis
 Constellation: Virgo
 RA 12h 41' 39.6434"
 Decl. $-1^{\circ} 26' 57.7421''$
 Section 5/9
 Apparent magnitude: 2.74
 Absolute magnitude: 2.38

124. ι Centauri

Constellation: Centaurus
 RA 13h 21' 38.6"
 Decl. $-36^{\circ} 48' 34''$
 Section 5/9
 Apparent magnitude: 2.75
 Absolute magnitude: 1.48

128. δ Crucis

Constellation: Crux
 RA 12h 16' 8.3"
 Decl. $-58^{\circ} 51' 6''$
 Section 5/9
 Apparent magnitude: 2.79
 Absolute magnitude: -2.45

130. Cor Caroli 2

α^2 Canum Venaticorum
 Constellation: Canes Venatici
 RA 12h 56' 1.66622"
 Decl. $38^{\circ} 19' 6.1541''$
 Section 5/9
 Apparent magnitude: 2.98v
 Absolute magnitude: 0.16

144. Vindemiatrix

ϵ Virginis
 Constellation: Virgo
 RA 13h 3' 5.9"
 Decl. $10^{\circ} 51' 3''$
 Section 5/9
 Apparent magnitude: 2.85
 Absolute magnitude: 0.37

163. Algorrel

δ Corvi
 Constellation: Corvus
 RA 12h 30' 49.4"
 Decl. $-16^{\circ} 37' 0''$
 Section 5/9
 Apparent magnitude: 2.94
 Absolute magnitude: 0.79

169. γ Hydrae

Constellation: Hydra
 RA 13h 19' 55.9"
 Decl. $-23^{\circ} 16' 0''$
 Section 5/9
 Apparent magnitude: 2.99
 Absolute magnitude: -0.05

173. ψ Ursae Majoris

Constellation: Ursa Major
 RA 11h 10' 41.8"
 Decl. $44^{\circ} 23' 5''$
 Section 5/8
 Apparent magnitude: 3
 Absolute magnitude: -0.27

180. Minkar

ϵ Corvi
 Constellation: Corvus
 RA 12h 11' 4.7"
 Decl. $-22^{\circ} 43' 2''$
 Section 5/9
 Apparent magnitude: 3.02
 Absolute magnitude: -1.82

182. β Muscae

Constellation: Musca
 RA 12h 47' 26.1"
 Decl. $-68^{\circ} 12' 32''$
 Section 5/9
 Apparent magnitude: 3.04
 Absolute magnitude: -1.86

190. ν Hydrae

Constellation: Hydra
 RA 10h 50' 32.3"
 Decl. $-16^{\circ} 17' 27''$
 Section 5/8
 Apparent magnitude: 3.11
 Absolute magnitude: -0.03

191. λ Centauri

Constellation: Centaurus
 RA 11h 36' 38.6"
 Decl. $-63^{\circ} 7' 20''$
 Section 5/8
 Apparent magnitude: 3.11
 Absolute magnitude: -2.39

Section 6/10–11**RA 13h 30m–16h 30m****3. α Centauri**

Constellation: Centaurus
 RA 14h 39' 35.0631"
 Decl. $-60^{\circ} 50' 15.0992''$
 Section 6/10
 Apparent magnitude: -0.29
 Absolute magnitude: 4.06

4. Arcturus

α Boötis
 Constellation: Boötes
 RA 14h 16' 30.3"
 Decl. $19^{\circ} 5' 1''$
 Section 6/10
 Apparent magnitude: -0.05
 Absolute magnitude: -0.31

11. Hadar

β Centauri
 Constellation: Centaurus
 RA 14h 5' 8.7"
 Decl. $-60^{\circ} 27' 41''$
 Section 6/10
 Apparent magnitude: 0.61
 Absolute magnitude: -5.42

38. Alkaid

η Ursae Majoris
 Constellation: Ursa Major
 RA 13h 48' 16.1"
 Decl. $49^{\circ} 13' 1''$
 Section 6/10
 Apparent magnitude: 1.86
 Absolute magnitude: -0.59

53. Menkent θ Centauri

Constellation: Centaurus

RA 14h 7' 46.7"

Decl. $-36^{\circ} 27' 3''$

Section 6/10

Apparent magnitude: 2.06

Absolute magnitude: 0.7

57. Kochab β Ursae Minoris

Constellation: Ursa Minor

RA 14h 50' 40.2"

Decl. $74^{\circ} 4' 4''$

Section 6/10

Apparent magnitude: 2.07

Absolute magnitude: -0.87

67. Alphecca α Coronae Borealis

Constellation: Corona Borealis

RA 15h 35' 28.3"

Decl. $26^{\circ} 39' 1''$

Section 6/11

Apparent magnitude: 2.22

Absolute magnitude: 0.42

75. ϵ Centauri

Constellation: Centaurus

RA 13h 41' 4.3"

Decl. $-53^{\circ} 33' 35''$

Section 6/10

Apparent magnitude: 2.29

Absolute magnitude: -3.02

76. Dschubba δ Scorpii

Constellation: Scorpius

RA 16h 1' 25.8"

Decl. $-22^{\circ} 40' 2''$

Section 6/11

Apparent magnitude: 2.29

Absolute magnitude: -3.16

78. Men α Lupi

Constellation: Lupus

RA 14h 43' 10.1"

Decl. $-47^{\circ} 27' 59''$

Section 6/10

Apparent magnitude: 2.3

Absolute magnitude: -3.83

79. η Centauri

Constellation: Centaurus

RA 14h 36' 41.4"

Decl. $-42^{\circ} 14' 17''$

Section 6/10

Apparent magnitude: 2.33v

Absolute magnitude: -2.55

81. Izar ϵ Boötis

Constellation: Boötes

RA 14h 45' 47.7"

Decl. $26^{\circ} 59' 4''$

Section 6/10

Apparent magnitude: 2.35

Absolute magnitude: -1.69

95. ζ Centauri

Constellation: Centaurus

RA 13h 56' 42.2"

Decl. $-47^{\circ} 22' 43''$

Section 6/10

Apparent magnitude: 2.55

Absolute magnitude: -2.81

102. Zubeneshamali β Librae

Constellation: Libra

RA 15h 18' 0.3"

Decl. $-9^{\circ} 27' 0''$

Section 6/11

Apparent magnitude: 2.61

Absolute magnitude: -0.84

103. Unukalhai α Serpentis

Constellation: Serpens

RA 15h 45' 10.8"

Decl. $6^{\circ} 22' 0''$

Section 6/11

Apparent magnitude: 2.63

Absolute magnitude: 0.87

105. Zubenelgenubi α^2 Librae

Constellation: Libra

RA 14h 50' 52.7131"

Decl. $-16^{\circ} 2' 30.3955''$

Section 6/10

Apparent magnitude: 2.64

Absolute magnitude: 0.77

110. Muphrid η Boötis

Constellation: Boötes

RA 13h 55' 33.9"

Decl. $18^{\circ} 18' 2''$

Section 6/10

Apparent magnitude: 2.68

Absolute magnitude: 2.41

111. Ke Kouan β Lupi

Constellation: Lupus

RA 14h 59' 45.1"

Decl. $-43^{\circ} 12' 26''$

Section 6/10

Apparent magnitude: 2.68

Absolute magnitude: -3.35

119. Yed Prior δ Ophiuchi

Constellation: Ophiuchus

RA 16h 15' 19"

Decl. $-3^{\circ} 44' 2''$

Section 6/11

Apparent magnitude: 2.73

Absolute magnitude: -0.86

120. Aldhibain η Draconis

Constellation: Draco

RA 16h 24' 14.7"

Decl. $61^{\circ} 28' 2''$

Section 6/11

Apparent magnitude: 2.73

Absolute magnitude: 0.58

131. γ Lupi

Constellation: Lupus

RA 15h 36' 22.8"

Decl. $-41^{\circ} 13' 39''$

Section 6/11

Apparent magnitude: 2.8

Absolute magnitude: -3.4

139. β Trianguli Australis

Constellation: Triangulum Australe

RA 15h 56' 47.3"

Decl. $-63^{\circ} 29' 9''$

Section 6/11

Apparent magnitude: 2.83

Absolute magnitude: 2.38

149. γ Trianguli Australis

Constellation: Triangulum Australe

RA 15h 18' 54.582"

Decl. $-68^{\circ} 40' 46.3654''$

Section 6/11

Apparent magnitude: 2.87

Absolute magnitude: -0.87

154. π Scorpii

Constellation: Scorpius

RA 15h 59' 58.5"

Decl. $-26^{\circ} 9' 5''$

Section 6/11

Apparent magnitude: 2.89

Absolute magnitude: -2.85

156. Alniyat σ Scorpii

Constellation: Scorpius

RA 16h 22' 19"

Decl. $-25^{\circ} 38' 0''$

Section 6/11

Apparent magnitude: 2.9v

Absolute magnitude: -3.86v

174. Pherkad Major

γ Ursae Minoris
 Constellation: Ursa Minor
 RA 15h 20' 42.8"
 Decl. 71° 46' 0"
 Section 6/11
 Apparent magnitude: 3
 Absolute magnitude: -2.84

183. Seginus

γ Boötis
 Constellation: Boötes
 RA 14h 32' 49.3"
 Decl. 38° 13' 4"
 Section 6/10
 Apparent magnitude: 3.04
 Absolute magnitude: 0.96

197. Ke Kwan

κ Centauri
 Constellation: Centaurus
 RA 15h 0' 22.3"
 Decl. -42° 10' 38"
 Section 6/11
 Apparent magnitude: 3.13
 Absolute magnitude: -2.96

Section 7/12–13**RA 16h 30m–19h 30m****5. Vega**

α Lyrae
 Constellation: Lyra
 RA 18h 37' 33.9"
 Decl. 38° 48' 0"
 Section 7/13
 Apparent magnitude: 0.03
 Absolute magnitude: 0.58

15. Antares

α Scorpii
 Constellation: Scorpius
 RA 16h 30' 32.7"
 Decl. -26° 28' 1"
 Section 7/12
 Apparent magnitude: 0.95v
 Absolute magnitude: -5.39v

24. Shaula

λ Scorpii
 Constellation: Scorpius
 RA 17h 34' 52"
 Decl. -37° 6' 5"
 Section 7/12
 Apparent magnitude: 1.62
 Absolute magnitude: -5.05

37. Kaus Australis

ϵ Sagittarii
 Constellation: Sagittarius
 RA 18h 25' 24"
 Decl. -34° 22' 2"
 Section 7/13
 Apparent magnitude: 1.84
 Absolute magnitude: -1.39

39. Sargas

θ Scorpii
 Constellation: Scorpius
 RA 17h 38' 39"
 Decl. -43° 0' 28"
 Section 7/12
 Apparent magnitude: 1.86
 Absolute magnitude: -2.75

42. Atria

α Trianguli Australis
 Constellation: Triangulum Australe
 RA 16h 48' 39.8951"
 Decl. -69° 1' 39.7626"
 Section 7/12
 Apparent magnitude: 1.92
 Absolute magnitude: -3.61

52. Nunki

σ Sagittarii
 Constellation: Sagittarius
 RA 18h 56' 24.7"
 Decl. -26° 16' 2"
 Section 7/13
 Apparent magnitude: 2.05
 Absolute magnitude: -2.14

59. Rasalhague

α Ophiuchi
 Constellation: Ophiuchus
 RA 17h 35' 47.6"
 Decl. 12° 32' 5"
 Section 7/12
 Apparent magnitude: 2.08
 Absolute magnitude: 1.3

72. Eltanin

γ Draconis
 Constellation: Draco
 RA 17h 57' 2.2"
 Decl. 51° 29' 1"
 Section 7/12
 Apparent magnitude: 2.24
 Absolute magnitude: -1.04

77. Wei

ϵ Scorpii
 Constellation: Scorpius
 RA 16h 51' 21.9"
 Decl. -34° 19' 3"
 Section 7/12
 Apparent magnitude: 2.29
 Absolute magnitude: 0.78

83. Girtab

κ Scorpii
 Constellation: Scorpius
 RA 17h 43' 46.1"
 Decl. -39° 2' 16"
 Section 7/12
 Apparent magnitude: 2.39
 Absolute magnitude: -3.38

86. Sabik

η Ophiuchi
 Constellation: Ophiuchus
 RA 17h 11' 26.4"
 Decl. -15° 44' 4"
 Section 7/12
 Apparent magnitude: 2.43
 Absolute magnitude: 0.37

94. Han

ζ Ophiuchi
 Constellation: Ophiuchus
 RA 16h 38' 10.8"
 Decl. -10° 36' 1"
 Section 7/12
 Apparent magnitude: 2.54
 Absolute magnitude: -3.2

101. Ascella

ζ Sagittarii
 Constellation: Sagittarius
 RA 19h 3' 47.2"
 Decl. -29° 51' 0"
 Section 7/13
 Apparent magnitude: 2.6
 Absolute magnitude: 0.42

115. Lesath

ν Scorpii
 Constellation: Scorpius
 RA 17h 32' 1.4"
 Decl. -37° 18' 3"
 Section 7/12
 Apparent magnitude: 2.7
 Absolute magnitude: -3.31

117. Kaus Meridionalis

δ Sagittarii
 Constellation: Sagittarius
 RA 18h 22' 10.7"
 Decl. -29° 49' 0"
 Section 7/13
 Apparent magnitude: 2.72
 Absolute magnitude: -2.14

125. Cebalrai

β Ophiuchi
 Constellation: Ophiuchus
 RA 17h 44' 23.2"
 Decl. 4° 33' 3"
 Section 7/12
 Apparent magnitude: 2.76
 Absolute magnitude: 0.76

127. Kornephoros β Herculis

Constellation: Hercules

RA 16h 31' 1"

Decl. 21° 27' 0"

Section 7/12

Apparent magnitude: 2.78

Absolute magnitude: -0.5

129. Rastaban β Draconis

Constellation: Draco

RA 17h 30' 51.1"

Decl. 52° 17' 1"

Section 7/12

Apparent magnitude: 2.79

Absolute magnitude: -2.43

133. Rutilicus ζ Herculis

Constellation: Hercules

RA 16h 41' 59.1"

Decl. 31° 34' 1"

Section 7/12

Apparent magnitude: 2.81

Absolute magnitude: 2.64

135. τ Scorpii

Constellation: Scorpius

RA 16h 37' 2.2"

Decl. -28° 15' 1"

Section 7/12

Apparent magnitude: 2.82

Absolute magnitude: -2.78

136. Kaus Borealis λ Sagittarii

Constellation: Sagittarius

RA 18h 29' 6.7"

Decl. -25° 24' 3"

Section 7/13

Apparent magnitude: 2.82

Absolute magnitude: 0.95

141. β Arae

Constellation: Ara

RA 17h 26' 50.5"

Decl. -55° 32' 43"

Section 7/12

Apparent magnitude: 2.84

Absolute magnitude: -3.49

142. Choo α Arae

Constellation: Ara

RA 17h 33' 16.4"

Decl. -49° 53' 20"

Section 7/12

Apparent magnitude: 2.84

Absolute magnitude: -1.51

152. Albaldah π Sagittarii

Constellation: Sagittarius

RA 19h 10' 51.8"

Decl. -20° 59' 3"

Section 7/13

Apparent magnitude: 2.88

Absolute magnitude: -2.77

168. Alnasl γ Sagittarii

Constellation: Sagittarius

RA 18h 6' 59.8"

Decl. -30° 25' 2"

Section 7/13

Apparent magnitude: 2.98

Absolute magnitude: 0.63

170. ι^1 Scorpii

Constellation: Scorpius

RA 17h 48' 52.8"

Decl. -40° 7' 56"

Section 7/12

Apparent magnitude: 2.99

Absolute magnitude: -5.71

171. Deneb el Okab ζ Aquilae

Constellation: Aquila

RA 19h 6' 15.6"

Decl. 13° 53' 3"

Section 7/13

Apparent magnitude: 2.99

Absolute magnitude: 0.96

175. μ^1 Scorpii

Constellation: Scorpius

RA 16h 53' 7.6"

Decl. -38° 4' 39"

Section 7/12

Apparent magnitude: 3

Absolute magnitude: -4.01

187. Tais δ Draconis

Constellation: Draco

RA 19h 12' 33.3"

Decl. 67° 41' 3"

Section 7/13

Apparent magnitude: 3.07

Absolute magnitude: 0.63

188. η Sagittarii

Constellation: Sagittarius

RA 18h 18' 52.7"

Decl. -36° 45' 16"

Section 7/13

Apparent magnitude: 3.1

Absolute magnitude: -0.2

195. ζ Arae

Constellation: Ara

RA 17h 0' 9.4"

Decl. -56° 1' 2"

Section 7/12

Apparent magnitude: 3.12

Absolute magnitude: -3.11

196. Sarin δ Herculis

Constellation: Hercules

RA 17h 15' 47.5"

Decl. 24° 49' 0"

Section 7/12

Apparent magnitude: 3.12

Absolute magnitude: 1.21

200. π Herculis

Constellation: Hercules

RA 17h 15' 41.5"

Decl. 36° 47' 2"

Section 7/12

Apparent magnitude: 3.16

Absolute magnitude: -2.1

Section 8/14–15**RA 19h 30m–22h 30m****12. Altair** α Aquilae

Constellation: Aquila

RA 19h 51' 41.1"

Decl. 8° 55' 0"

Section 8/14

Apparent magnitude: 0.77

Absolute magnitude: 2.21

19. Deneb α Cygni

Constellation: Cygnus

RA 20h 42' 3.8"

Decl. 45° 20' 5"

Section 8/14

Apparent magnitude: 1.24

Absolute magnitude: -8.74

30. Alnair α Gruis

Constellation: Grus

RA 22h 9' 23.4"

Decl. -46° 52' 14"

Section 8/15

Apparent magnitude: 1.74

Absolute magnitude: -0.72

44. Peacock α Pavonis

Constellation: Pavo

RA 20h 27' 6"

Decl. -56° 40' 27"

Section 8/14

Apparent magnitude: 1.93

Absolute magnitude: -1.82

70. Sadr

γ Cygni
 Constellation: Cygnus
 RA 20h 22' 53.6"
 Decl. 40° 19' 0"
 Section 8/14
 Apparent magnitude: 2.23
 Absolute magnitude: -6.12

82. Enif

ϵ Pegasi
 Constellation: Pegasus
 RA 21h 45' 5.7"
 Decl. 9° 57' 3"
 Section 8/15
 Apparent magnitude: 2.38
 Absolute magnitude: -4.19

89. Alderamin

α Cephei
 Constellation: Cepheus
 RA 21h 19' 1.2"
 Decl. 62° 39' 5"
 Section 8/15
 Apparent magnitude: 2.45
 Absolute magnitude: 1.58

91. Gienah

ϵ Cygni
 Constellation: Cygnus
 RA 20h 46' 57.6"
 Decl. 34° 2' 2"
 Section 8/14
 Apparent magnitude: 2.48
 Absolute magnitude: 0.76

118. Tarazed

γ Aquilae
 Constellation: Aquila
 RA 19h 47' 8.3"
 Decl. 10° 39' 3"
 Section 8/14
 Apparent magnitude: 2.72
 Absolute magnitude: -3.03

145. Deneb Algedi

δ Capricorni
 Constellation: Capricornus
 RA 21h 48' 3.6"
 Decl. -16° 2' 3"
 Section 8/15
 Apparent magnitude: 2.85
 Absolute magnitude: 2.49

147. δ Cygni

Constellation: Cygnus
 RA 19h 45' 33.2"
 Decl. 45° 10' 3"
 Section 8/14
 Apparent magnitude: 2.86
 Absolute magnitude: -0.74

150. α Tucanæ

Constellation: Tucana
 RA 22h 19' 45.2"
 Decl. -60° 10' 0"
 Section 8/15
 Apparent magnitude: 2.87
 Absolute magnitude: -1.05

157. Albireo

β Cygni
 Constellation: Cygnus
 RA 19h 31' 28.1"
 Decl. 27° 59' 5"
 Section 8/14
 Apparent magnitude: 2.9
 Absolute magnitude: -2.31

158. Sadalsuud

β Aquarii
 Constellation: Aquarius
 RA 21h 32' 31.9"
 Decl. -5° 29' 2"
 Section 8/15
 Apparent magnitude: 2.9
 Absolute magnitude: -3.47

164. Sadalmelik

α Aquarii
 Constellation: Aquarius
 RA 22h 6' 44"
 Decl. 0° 13' 4"
 Section 8/15
 Apparent magnitude: 2.95
 Absolute magnitude: -3.88

176. γ Gruis

Constellation: Grus
 RA 21h 55' 2.6"
 Decl. -37° 16' 37"
 Section 8/15
 Apparent magnitude: 3
 Absolute magnitude: -0.97

184. Dabih

β Capricorni
 Constellation: Capricornus
 RA 20h 22' 2.9"
 Decl. -14° 43' 1"
 Section 8/14
 Apparent magnitude: 3.05
 Absolute magnitude: -2.07

192. Persian

α Indi
 Constellation: Indus
 RA 20h 38' 51.6"
 Decl. -47° 13' 32"
 Section 8/14
 Apparent magnitude: 3.11
 Absolute magnitude: 0.65

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