

Celestial Sphere Models—Star Data

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Stars Sorted Alphabetically

The number preceding the name of the star (or binary or multiple system of stars) refers to its approximate rank according to apparent brightness.

151. Acamar
Section 2
RA 2h 58' 15.6792"
Decl. -40° 18' 16.8457"

9. Achernar
Section 2
RA 1h 38' 24"
Decl. -57° 8' 36"

22. Adhara
Section 3
RA 6h 59' 21.2"
Decl. -28° 59' 5"

152. Albaldah
Section 7
RA 19h 10' 51.8"
Decl. -20° 59' 3"

157. Albireo
Section 8
RA 19h 31' 28.1"
Decl. 27° 59' 5"

143. Alcyone
Section 2
RA 3h 48' 35.3"
Decl. 24° 9' 4"

14. Aldebaran
Section 3
RA 4h 36' 59.1"
Decl. 16° 32' 4"

89. Alderamin
Section 8
RA 21h 19' 1.2"
Decl. 62° 39' 5"

58. Al Dhanab
Section 1
RA 22h 43' 45.8"
Decl. -46° 47' 14"

120. Aldhibain
Section 6
RA 16h 24' 14.7"
Decl. 61° 28' 2"

137. Algenib
Section 1
RA 0h 14' 11.4"
Decl. 15° 17' 1"

49. Algieba
Section 4
RA 10h 19' 58.3506"
Decl. 19° 50' 29.3468"

60. Algol
Section 2
RA 3h 9' 22.8"
Decl. 41° 1' 3"

163. Algorel
Section 5
RA 12h 30' 49.4"
Decl. -16° 37' 0"

166. Alheka
Section 3
RA 5h 38' 45.1"
Decl. 21° 9' 0"

43. Alhena
Section 3
RA 6h 38' 46.8"
Decl. 16° 22' 5"

32. Alioth
Section 5
RA 12h 54' 50.3"
Decl. 55° 51' 3"

38. Alkaid
Section 6
RA 13h 48' 16.1"
Decl. 49° 13' 1"

181. Almaaz
Section 3
RA 5h 3' 18"
Decl. 43° 50' 5"

61. Almach
Section 2
RA 2h 3' 53.9523"
Decl. 42° 19' 47.0223"

30. Alnair
Section 8
RA 22h 9' 23.4"
Decl. -46° 52' 14"

168. Alnasl
Section 7
RA 18h 6' 59.8"
Decl. -30° 25' 2"

29. Alnilam
Section 3
RA 5h 37' 9.2"
Decl. -1° 11' 2"

31. Alnitak
Section 3
RA 5h 41' 41.6"
Decl. -1° 56' 0"

156. Alniyat
Section 6
RA 16h 22' 19"
Decl. -25° 38' 0"

3. α Centauri
Section 6
RA 14h 39' 35.0631"
Decl. -60° 50' 15.0992"

146. α Hydri
Section 2
RA 1h 59' 21.1"
Decl. -61° 28' 49"

198. α Lyncis
Section 4
RA 9h 22' 10.6"
Decl. 34° 18' 4"

114. α Muscae
Section 5
RA 12h 38' 18.4"
Decl. -69° 14' 14"

47. Alphard
Section 4
RA 9h 28' 29.8"
Decl. -8° 44' 2"

150. α Tucanæ
Section 8
RA 22h 19' 45.2"
Decl. -60° 10' 0"

67. Alphecca
Section 6
RA 15h 35' 28.3"
Decl. 26° 39' 1"

54. Alpheratz
Section 1
RA 0h 9' 20.9"
Decl. 29° 11' 3"

12. Altair
Section 8
RA 19h 51' 41.1"
Decl. 8° 55' 0"

88. Aludra
Section 3
RA 7h 24' 49.6"
Decl. -29° 20' 2"

84. Ankaa
Section 1
RA 0h 27' 11.7"
Decl. -42° 12' 20"

15. Antares
Section 7
RA 16h 30' 32.7"
Decl. -26° 28' 1"

4. Arcturus
Section 6
RA 14h 16' 30.3"
Decl. 19° 5' 1"

98. Arneb
Section 3
RA 5h 33' 32.8"
Decl. -17° 48' 3"

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| 101. Ascella Section 7 RA 19h 3' 47.2" Decl. -29° 51' 0" | 23. Castor Section 4 RA 7h 34' 35.863" Decl. 31° 53' 17.79" | 51. Diphda Section 1 RA 0h 44' 31" Decl. -17° 53' 0" |
| 66. Aspidiske Section 4 RA 9h 17' 35.1" Decl. -59° 21' 12" | 125. Cebalrai Section 7 RA 17h 44' 23.2" Decl. 4° 33' 3" | 76. Dschubba Section 6 RA 16h 1' 25.8" Decl. -22° 40' 2" |
| 42. Atria Section 7 RA 16h 48' 39.8951" Decl. -69° 1' 39.7626" | 142. Choo Section 7 RA 17h 33' 16.4" Decl. -49° 53' 20" | 34. Dubhe Section 5 RA 11h 4' 51.2" Decl. 61° 39' 0" |
| 40. Avior Section 4 RA 8h 22' 53.5" Decl. -59° 34' 10" | 63. Cih Section 1 RA 0h 57' 50.4" Decl. 60° 48' 5" | 27. Elnath Section 3 RA 5h 27' 27.8" Decl. 28° 37' 1" |
| 26. Bellatrix Section 3 RA 5h 26' 7.5" Decl. 6° 21' 5" | 130. Cor Caroli 2 Section 5 RA 12h 56' 1.66622" Decl. 38° 19' 6.1541" | 72. Eltanin Section 7 RA 17h 57' 2.2" Decl. 51° 29' 1" |
| 141. β Aræ Section 7 RA 17h 26' 50.5" Decl. -55° 32' 43" | 184. Dabih Section 8 RA 20h 22' 2.9" Decl. -14° 43' 1" | 82. Enif Section 8 RA 21h 45' 5.7" Decl. 9° 57' 3" |
| 134. β Hydri Section 1 RA 0h 26' 41.9" Decl. -77° 9' 1" | 99. δ Centauri Section 5 RA 12h 9' 19.5" Decl. -50° 49' 31" | 75. ϵ Centauri Section 6 RA 13h 41' 4.3" Decl. -53° 33' 35" |
| 182. β Muscæ Section 5 RA 12h 47' 26.1" Decl. -68° 12' 32" | 128. δ Crucis Section 5 RA 12h 16' 8.3" Decl. -58° 51' 6" | 155. ϵ Persei Section 2 RA 3h 59' 6.1" Decl. 40° 3' 4" |
| 139. β Trianguli Australis Section 6 RA 15h 56' 47.3" Decl. -63° 29' 9" | 147. δ Cygni Section 8 RA 19h 45' 33.2" Decl. 45° 10' 3" | 79. η Centauri Section 6 RA 14h 36' 41.4" Decl. -42° 14' 17" |
| 172. β Trianguli Section 2 RA 2h 10' 39.1" Decl. 35° 4' 2" | 177. δ Persei Section 2 RA 3h 44' 15" Decl. 47° 50' 4" | 188. η Sagittarii Section 7 RA 18h 18' 52.7" Decl. -36° 45' 16" |
| 10. Betelgeuse Section 3 RA 5h 56' 10.4" Decl. 7° 24' 3" | 145. Deneb Algedi Section 8 RA 21h 48' 3.6" Decl. -16° 2' 3" | 18. Fomalhaut Section 1 RA 22h 57' 39.0465" Decl. -29° 37' 20.05" |
| 2. Canopus Section 3 RA 6h 24' 21.8" Decl. -52° 42' 23" | 171. Deneb el Okab Section 7 RA 19h 6' 15.6" Decl. 13° 53' 3" | 25. Gacrux Section 5 RA 12h 32' 12.2" Decl. -57° 13' 0" |
| 6. Capella Section 3 RA 5h 18' 3.5" Decl. 46° 0' 5" | 62. Denebola Section 5 RA 11h 50' 0.1" Decl. 14° 28' 0" | 176. γ Gruis Section 8 RA 21h 55' 2.6" Decl. -37° 16' 37" |
| 74. Caph Section 1 RA 0h 10' 10.6" Decl. 59° 15' 0" | 19. Deneb Section 8 RA 20h 42' 3.8" Decl. 45° 20' 5" | 169. γ Hydræ Section 5 RA 13h 19' 55.9" Decl. -23° 16' 0" |

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| 131. γ Lupi Section 6 RA 15h 36' 22.8" Decl. $-41^{\circ} 13' 39''$ | 81. Izar Section 6 RA 14h 45' 47.7" Decl. $26^{\circ} 59' 4''$ | 90. Markeb Section 4 RA 9h 22' 41.2" Decl. $-55^{\circ} 5' 25''$ |
| 159. γ Persei Section 2 RA 3h 6' 8.9" Decl. $53^{\circ} 34' 3''$ | 37. Kaus Australis Section 7 RA 18h 25' 24" Decl. $-34^{\circ} 22' 2''$ | 161. Matar Section 1 RA 22h 43' 52.3" Decl. $30^{\circ} 19' 0''$ |
| 149. γ Trianguli Australis Section 6 RA 15h 18' 54.582" Decl. $-68^{\circ} 40' 46.3654''$ | 136. Kaus Borealis Section 7 RA 18h 29' 6.7" Decl. $-25^{\circ} 24' 3''$ | 185. Mebsuta Section 3 RA 6h 45' 4.2" Decl. $25^{\circ} 6' 4''$ |
| 100. Gienah Ghurab Section 5 RA 12h 16' 45.6" Decl. $-17^{\circ} 38' 4''$ | 117. Kaus Meridionalis Section 7 RA 18h 22' 10.7" Decl. $-29^{\circ} 49' 0''$ | 41. Menkalinan Section 3 RA 6h 0' 53.2" Decl. $44^{\circ} 56' 5''$ |
| 91. Gienah Section 8 RA 20h 46' 57.6" Decl. $34^{\circ} 2' 2''$ | 111. Ke Kouan Section 6 RA 14h 59' 45.1" Decl. $-43^{\circ} 12' 26''$ | 93. Menkar Section 2 RA 3h 3' 14.9" Decl. $4^{\circ} 9' 4''$ |
| 83. Girtab Section 7 RA 17h 43' 46.1" Decl. $-39^{\circ} 2' 16''$ | 197. Ke Kwan Section 6 RA 15h 0' 22.3" Decl. $-42^{\circ} 10' 38''$ | 53. Menkent Section 6 RA 14h 7' 46.7" Decl. $-36^{\circ} 27' 3''$ |
| 153. Gomeisa Section 3 RA 7h 28' 9.2" Decl. $8^{\circ} 15' 0''$ | 57. Kochab Section 6 RA 14h 50' 40.2" Decl. $74^{\circ} 4' 4''$ | 78. Men Section 6 RA 14h 43' 10.1" Decl. $-47^{\circ} 27' 59''$ |
| 11. Hadar Section 6 RA 14h 5' 8.7" Decl. $-60^{\circ} 27' 41''$ | 45. Koo She Section 4 RA 8h 45' 12.9" Decl. $-54^{\circ} 46' 38''$ | 80. Merak Section 5 RA 11h 2' 56.8" Decl. $56^{\circ} 16' 5''$ |
| 50. Hamal Section 2 RA 2h 8' 13.2" Decl. $23^{\circ} 32' 5''$ | 127. Kornephoros Section 7 RA 16h 31' 1" Decl. $21^{\circ} 27' 0''$ | 28. Miaplacidus Section 4 RA 9h 13' 23.7" Decl. $-69^{\circ} 47' 37''$ |
| 94. Han Section 7 RA 16h 38' 10.8" Decl. $-10^{\circ} 36' 1''$ | 108. Kraz Section 5 RA 12h 35' 21.7" Decl. $-23^{\circ} 29' 5''$ | 20. Mimosa Section 5 RA 12h 48' 48.9" Decl. $-59^{\circ} 47' 22''$ |
| 112. Hassaleh Section 3 RA 4h 58' 12.1" Decl. $33^{\circ} 11' 3''$ | 126. Kursah Section 3 RA 5h 8' 45.6" Decl. $-5^{\circ} 3' 5''$ | 180. Minkar Section 5 RA 12h 11' 4.7" Decl. $-22^{\circ} 43' 2''$ |
| 123. Hatysa Section 3 RA 5h 36' 20.3" Decl. $-5^{\circ} 53' 5''$ | 191. λ Centauri Section 5 RA 11h 36' 38.6" Decl. $-63^{\circ} 7' 20''$ | 73. Mintaka Section 3 RA 5h 32' 57.2" Decl. $0^{\circ} 17' 1''$ |
| 170. ι^1 Scorpis Section 7 RA 17h 48' 52.8" Decl. $-40^{\circ} 7' 56''$ | 115. Lesath Section 7 RA 17h 32' 1.4" Decl. $-37^{\circ} 18' 3''$ | 55. Mirach Section 1 RA 1h 10' 46.4" Decl. $35^{\circ} 43' 0''$ |
| 124. ι Centauri Section 5 RA 13h 21' 38.6" Decl. $-36^{\circ} 48' 34''$ | 92. Markab Section 1 RA 23h 5' 41" Decl. $15^{\circ} 18' 1''$ | 33. Mirfak Section 2 RA 3h 25' 39.2" Decl. $49^{\circ} 55' 3''$ |

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| 46. Mirzam Section 3 RA 6h 23' 30.9" Decl. -17° 57' 5" | 106. Phact Section 3 RA 5h 40' 19.2" Decl. -34° 3' 55" | 129. Rastaban Section 7 RA 17h 30' 51.1" Decl. 52° 17' 1" |
| 69. Mizar Section 5 RA 13h 24' 40.1" Decl. 54° 49' 4" | 85. Phecda Section 5 RA 11h 54' 47.8" Decl. 53° 35' 3" | 35. Regor Section 4 RA 8h 9' 31.9501" Decl. -47° 20' 11.7108" |
| 175. μ^1 Scorpii Section 7 RA 16h 53' 7.6" Decl. -38° 4' 39" | 174. Pherkad Major Section 6 RA 15h 20' 42.8" Decl. 71° 46' 0" | 21. Regulus Section 4 RA 10h 9' 21.3" Decl. 11° 52' 3" |
| 64. Muhlifain Section 5 RA 12h 42' 32.8" Decl. -49° 3' 40" | 178. Phurad Section 3 RA 6h 21' 1.4" Decl. -30° 4' 2" | 7. Rigel Section 3 RA 5h 15' 25.7" Decl. -8° 10' 5" |
| 110. Muphrid Section 6 RA 13h 55' 33.9" Decl. 18° 18' 2" | 200. π Herculis Section 7 RA 17h 15' 41.5" Decl. 36° 47' 2" | 109. Ruchbah Section 1 RA 1h 27' 2.5" Decl. 60° 19' 5" |
| 113. μ Velorum Section 5 RA 10h 47' 34.2" Decl. -49° 31' 6" | 200. π Herculis Section 7 RA 17h 15' 41.5" Decl. 36° 47' 2" | 133. Rutilicus Section 7 RA 16h 41' 59.1" Decl. 31° 34' 1" |
| 65. Naos Section 4 RA 8h 4' 14.1" Decl. -40° 3' 22" | 116. π Puppis Section 3 RA 7h 17' 47.8" Decl. -37° 7' 54" | 86. Sabik Section 7 RA 17h 11' 26.4" Decl. -15° 44' 4" |
| 132. Nihal Section 3 RA 5h 29' 2.3" Decl. -20° 44' 4" | 154. π Scorpii Section 6 RA 15h 59' 58.5" Decl. -26° 9' 5" | 164. Sadalmelik Section 8 RA 22h 6' 44" Decl. 0° 13' 4" |
| 190. ν Hydræ Section 5 RA 10h 50' 32.3" Decl. -16° 17' 27" | 17. Pollux Section 4 RA 7h 46' 26.7" Decl. 27° 58' 4" | 158. Sadalsuud Section 8 RA 21h 32' 31.9" Decl. -5° 29' 2" |
| 52. Nunki Section 7 RA 18h 56' 24.7" Decl. -26° 16' 2" | 122. Porrima Section 5 RA 12h 41' 39.6434" Decl. -1° 26' 57.7421" | 70. Sadr Section 8 RA 20h 22' 53.6" Decl. 40° 19' 0" |
| 199. N Velorum Section 4 RA 9h 31' 13.3189" Decl. -57° 2' 3.7578" | 8. Procyon Section 4 RA 7h 40' 16.3" Decl. 5° 10' 3" | 56. Saiph Section 3 RA 5h 48' 38.1" Decl. -9° 39' 5" |
| 179. σ^2 Canis Majoris Section 3 RA 7h 3' 1.47211" Decl. -23° 49' 59.8523" | 173. ψ Ursae Majoris Section 5 RA 11h 10' 41.8" Decl. 44° 23' 5" | 39. Sargas Section 7 RA 17h 38' 39" Decl. -43° 0' 28" |
| 44. Peacock Section 8 RA 20h 27' 6" Decl. -56° 40' 27" | 59. Rasalhague Section 7 RA 17h 35' 47.6" Decl. 12° 32' 5" | 196. Sarin Section 7 RA 17h 15' 47.5" Decl. 24° 49' 0" |
| 192. Persian Section 8 RA 20h 38' 51.6" Decl. -47° 13' 32" | 167. Ras Elased Australis Section 4 RA 9h 46' 53.9" Decl. 23° 41' 1" | 87. Scheat Section 1 RA 23h 4' 40.4" Decl. 28° 11' 0" |

71. Schedar
Section 1
RA 0h 41' 34.1"
Decl. 56° 38' 1"

183. Seginus
Section 6
RA 14h 32' 49.3"
Decl. 38° 13' 4"

24. Shaula
Section 7
RA 17h 34' 52"
Decl. -37° 6' 5"

104. Sheratan
Section 2
RA 1h 55' 40"
Decl. 20° 53' 5"

1. Sirius
Section 3
RA 6h 45' 57.4"
Decl. -16° 44' 3"

16. Spica
Section 5
RA 13h 26' 10.2"
Decl. -11° 15' 2"

68. Suhail
Section 4
RA 9h 8' 40.7"
Decl. -43° 30' 29"

187. Tais
Section 7
RA 19h 12' 33.3"
Decl. 67° 41' 3"

194. Talita
Section 4
RA 9h 0' 28"
Decl. 47° 58' 0"

186. Tania Australis
Section 4
RA 10h 23' 25.5"
Decl. 41° 24' 2"

118. Tarazed
Section 8
RA 19h 47' 8.3"
Decl. 10° 39' 3"

162. τ Puppis
Section 3
RA 6h 50' 23.7"
Decl. -50° 38' 14"

135. τ Scorpii
Section 7
RA 16h 37' 2.2"
Decl. -28° 15' 1"

148. Tejat
Section 3
RA 6h 24' 4.8"
Decl. 22° 30' 0"

107. θ Aurigæ
Section 3
RA 6h 0' 59"
Decl. 37° 12' 4"

121. θ Carinæ
Section 5
RA 10h 43' 37.3"
Decl. -64° 29' 30"

138. Turais
Section 4
RA 8h 8' 19.9"
Decl. -24° 21' 3"

103. Unukalhai
Section 6
RA 15h 45' 10.8"
Decl. 6° 22' 0"

160. ν Carinæ
Section 4
RA 9h 47' 33.8"
Decl. -65° 9' 29"

5. Vega
Section 7
RA 18h 37' 33.9"
Decl. 38° 48' 0"

144. Vindemiatrix
Section 5
RA 13h 3' 5.9"
Decl. 10° 51' 3"

193. Wazn
Section 3
RA 5h 51' 36.8"
Decl. -35° 45' 44"

77. Wei
Section 7
RA 16h 51' 21.9"
Decl. -34° 19' 3"

36. Wezen
Section 3
RA 7h 9' 8.6"
Decl. -26° 25' 2"

119. Yed Prior
Section 6
RA 16h 15' 19"
Decl. -3° 44' 2"

165. Zaurak
Section 2
RA 3h 58' 53.6"
Decl. -13° 27' 2"

195. ζ Aræ
Section 7
RA 17h 0' 9.4"
Decl. -56° 1' 2"

95. ζ Centauri
Section 6
RA 13h 56' 42.2"
Decl. -47° 22' 43"

189. ζ Hydræ
Section 4
RA 8h 56' 22.2"
Decl. 5° 52' 2"

140. ζ Persei
Section 2
RA 3h 55' 18"
Decl. 31° 56' 1"

96. Zosma
Section 5
RA 11h 15' 5.4"
Decl. 20° 25' 1"

105. Zubenelgenubi
Section 6
RA 14h 50' 52.7131"
Decl. -16° 2' 30.3955"

102. Zubeneshamali
Section 6
RA 15h 18' 0.3"
Decl. -9° 27' 0"

Stars According to Brightness

| | | |
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| 1. Sirius Section 3 RA 6h 45' 57.4" Decl. -16° 44' 3" | 15. Antares Section 7 RA 16h 30' 32.7" Decl. -26° 28' 1" | 28. Miaplacidus Section 4 RA 9h 13' 23.7" Decl. -69° 47' 37" |
| 2. Canopus Section 3 RA 6h 24' 21.8" Decl. -52° 42' 23" | 16. Spica Section 5 RA 13h 26' 10.2" Decl. -11° 15' 2" | 29. Alnilam Section 3 RA 5h 37' 9.2" Decl. -1° 11' 2" |
| 3. α Centauri Section 6 RA 14h 39' 35.0631" Decl. -60° 50' 15.0992" | 17. Pollux Section 4 RA 7h 46' 26.7" Decl. 27° 58' 4" | 30. Alnair Section 8 RA 22h 9' 23.4" Decl. -46° 52' 14" |
| 4. Arcturus Section 6 RA 14h 16' 30.3" Decl. 19° 5' 1" | 18. Fomalhaut Section 1 RA 22h 57' 39.0465" Decl. -29° 37' 20.05" | 31. Alnitak Section 3 RA 5h 41' 41.6" Decl. -1° 56' 0" |
| 5. Vega Section 7 RA 18h 37' 33.9" Decl. 38° 48' 0" | 19. Deneb Section 8 RA 20h 42' 3.8" Decl. 45° 20' 5" | 32. Alioth Section 5 RA 12h 54' 50.3" Decl. 55° 51' 3" |
| 6. Capella Section 3 RA 5h 18' 3.5" Decl. 46° 0' 5" | 20. Mimosa Section 5 RA 12h 48' 48.9" Decl. -59° 47' 22" | 33. Mirfak Section 2 RA 3h 25' 39.2" Decl. 49° 55' 3" |
| 7. Rigel Section 3 RA 5h 15' 25.7" Decl. -8° 10' 5" | 21. Regulus Section 4 RA 10h 9' 21.3" Decl. 11° 52' 3" | 34. Dubhe Section 5 RA 11h 4' 51.2" Decl. 61° 39' 0" |
| 8. Procyon Section 4 RA 7h 40' 16.3" Decl. 5° 10' 3" | 22. Adhara Section 3 RA 6h 59' 21.2" Decl. -28° 59' 5" | 35. Regor Section 4 RA 8h 9' 31.9501" Decl. -47° 20' 11.7108" |
| 9. Achernar Section 2 RA 1h 38' 24" Decl. -57° 8' 36" | 23. Castor Section 4 RA 7h 34' 35.863" Decl. 31° 53' 17.79" | 36. Wezen Section 3 RA 7h 9' 8.6" Decl. -26° 25' 2" |
| 10. Betelgeuse Section 3 RA 5h 56' 10.4" Decl. 7° 24' 3" | 24. Shaula Section 7 RA 17h 34' 52" Decl. -37° 6' 5" | 37. Kaus Australis Section 7 RA 18h 25' 24" Decl. -34° 22' 2" |
| 11. Hadar Section 6 RA 14h 5' 8.7" Decl. -60° 27' 41" | 25. Gacrux Section 5 RA 12h 32' 12.2" Decl. -57° 13' 0" | 38. Alkaid Section 6 RA 13h 48' 16.1" Decl. 49° 13' 1" |
| 12. Altair Section 8 RA 19h 51' 41.1" Decl. 8° 55' 0" | 26. Bellatrix Section 3 RA 5h 26' 7.5" Decl. 6° 21' 5" | 39. Sargas Section 7 RA 17h 38' 39" Decl. -43° 0' 28" |
| 14. Aldebaran Section 3 RA 4h 36' 59.1" Decl. 16° 32' 4" | 27. Elnath Section 3 RA 5h 27' 27.8" Decl. 28° 37' 1" | 40. Avior Section 4 RA 8h 22' 53.5" Decl. -59° 34' 10" |

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| 41. Menkalinan Section 3 RA 6h 0' 53.2" Decl. 44° 56' 5" | 56. Saiph Section 3 RA 5h 48' 38.1" Decl. -9° 39' 5" | 70. Sadr Section 8 RA 20h 22' 53.6" Decl. 40° 19' 0" |
| 42. Atria Section 7 RA 16h 48' 39.8951" Decl. -69° 1' 39.7626" | 57. Kochab Section 6 RA 14h 50' 40.2" Decl. 74° 4' 4" | 71. Schedar Section 1 RA 0h 41' 34.1" Decl. 56° 38' 1" |
| 43. Alhena Section 3 RA 6h 38' 46.8" Decl. 16° 22' 5" | 58. Al Dhanab Section 1 RA 22h 43' 45.8" Decl. -46° 47' 14" | 72. Eltanin Section 7 RA 17h 57' 2.2" Decl. 51° 29' 1" |
| 44. Peacock Section 8 RA 20h 27' 6" Decl. -56° 40' 27" | 59. Rasalhague Section 7 RA 17h 35' 47.6" Decl. 12° 32' 5" | 73. Mintaka Section 3 RA 5h 32' 57.2" Decl. 0° 17' 1" |
| 45. Koo She Section 4 RA 8h 45' 12.9" Decl. -54° 46' 38" | 60. Algol Section 2 RA 3h 9' 22.8" Decl. 41° 1' 3" | 74. Caph Section 1 RA 0h 10' 10.6" Decl. 59° 15' 0" |
| 46. Mirzam Section 3 RA 6h 23' 30.9" Decl. -17° 57' 5" | 61. Almach Section 2 RA 2h 3' 53.9523" Decl. 42° 19' 47.0223" | 75. ε Centauri Section 6 RA 13h 41' 4.3" Decl. -53° 33' 35" |
| 47. Alphard Section 4 RA 9h 28' 29.8" Decl. -8° 44' 2" | 62. Denebola Section 5 RA 11h 50' 0.1" Decl. 14° 28' 0" | 76. Dschubba Section 6 RA 16h 1' 25.8" Decl. -22° 40' 2" |
| 49. Algieba Section 4 RA 10h 19' 58.3506" Decl. 19° 50' 29.3468" | 63. Cih Section 1 RA 0h 57' 50.4" Decl. 60° 48' 5" | 77. Wei Section 7 RA 16h 51' 21.9" Decl. -34° 19' 3" |
| 50. Hamal Section 2 RA 2h 8' 13.2" Decl. 23° 32' 5" | 64. Muhlifain Section 5 RA 12h 42' 32.8" Decl. -49° 3' 40" | 78. Men Section 6 RA 14h 43' 10.1" Decl. -47° 27' 59" |
| 51. Diphda Section 1 RA 0h 44' 31" Decl. -17° 53' 0" | 65. Naos Section 4 RA 8h 4' 14.1" Decl. -40° 3' 22" | 79. η Centauri Section 6 RA 14h 36' 41.4" Decl. -42° 14' 17" |
| 52. Nunki Section 7 RA 18h 56' 24.7" Decl. -26° 16' 2" | 66. Aspidiske Section 4 RA 9h 17' 35.1" Decl. -59° 21' 12" | 80. Merak Section 5 RA 11h 2' 56.8" Decl. 56° 16' 5" |
| 53. Menkent Section 6 RA 14h 7' 46.7" Decl. -36° 27' 3" | 67. Alphecca Section 6 RA 15h 35' 28.3" Decl. 26° 39' 1" | 81. Izar Section 6 RA 14h 45' 47.7" Decl. 26° 59' 4" |
| 54. Alpheratz Section 1 RA 0h 9' 20.9" Decl. 29° 11' 3" | 68. Suhail Section 4 RA 9h 8' 40.7" Decl. -43° 30' 29" | 82. Enif Section 8 RA 21h 45' 5.7" Decl. 9° 57' 3" |
| 55. Mirach Section 1 RA 1h 10' 46.4" Decl. 35° 43' 0" | 69. Mizar Section 5 RA 13h 24' 40.1" Decl. 54° 49' 4" | 83. Girtab Section 7 RA 17h 43' 46.1" Decl. -39° 2' 16" |

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| 84. Ankaa Section 1 RA 0h 27' 11.7" Decl. -42° 12' 20" | 99. δ Centauri Section 5 RA 12h 9' 19.5" Decl. -50° 49' 31" | 113. μ Velorum Section 5 RA 10h 47' 34.2" Decl. -49° 31' 6" |
| 85. Phecda Section 5 RA 11h 54' 47.8" Decl. 53° 35' 3" | 100. Gienah Ghurab Section 5 RA 12h 16' 45.6" Decl. -17° 38' 4" | 114. α Muscae Section 5 RA 12h 38' 18.4" Decl. -69° 14' 14" |
| 86. Sabik Section 7 RA 17h 11' 26.4" Decl. -15° 44' 4" | 101. Ascella Section 7 RA 19h 3' 47.2" Decl. -29° 51' 0" | 115. Lesath Section 7 RA 17h 32' 1.4" Decl. -37° 18' 3" |
| 87. Scheat Section 1 RA 23h 4' 40.4" Decl. 28° 11' 0" | 102. Zubeneshamali Section 6 RA 15h 18' 0.3" Decl. -9° 27' 0" | 116. π Puppis Section 3 RA 7h 17' 47.8" Decl. -37° 7' 54" |
| 88. Aludra Section 3 RA 7h 24' 49.6" Decl. -29° 20' 2" | 103. Unukalhai Section 6 RA 15h 45' 10.8" Decl. 6° 22' 0" | 117. Kaus Meridionalis Section 7 RA 18h 22' 10.7" Decl. -29° 49' 0" |
| 89. Alderamin Section 8 RA 21h 19' 1.2" Decl. 62° 39' 5" | 104. Sheratan Section 2 RA 1h 55' 40" Decl. 20° 53' 5" | 118. Tarazed Section 8 RA 19h 47' 8.3" Decl. 10° 39' 3" |
| 90. Markeb Section 4 RA 9h 22' 41.2" Decl. -55° 5' 25" | 105. Zubenelgenubi Section 6 RA 14h 50' 52.7131" Decl. -16° 2' 30.3955" | 119. Yed Prior Section 6 RA 16h 15' 19" Decl. -3° 44' 2" |
| 91. Gienah Section 8 RA 20h 46' 57.6" Decl. 34° 2' 2" | 106. Phact Section 3 RA 5h 40' 19.2" Decl. -34° 3' 55" | 120. Aldhibain Section 6 RA 16h 24' 14.7" Decl. 61° 28' 2" |
| 92. Markab Section 1 RA 23h 5' 41" Decl. 15° 18' 1" | 107. θ Aurigae Section 3 RA 6h 0' 59" Decl. 37° 12' 4" | 121. θ Carinae Section 5 RA 10h 43' 37.3" Decl. -64° 29' 30" |
| 93. Menkar Section 2 RA 3h 3' 14.9" Decl. 4° 9' 4" | 108. Kraz Section 5 RA 12h 35' 21.7" Decl. -23° 29' 5" | 122. Porrima Section 5 RA 12h 41' 39.6434" Decl. -1° 26' 57.7421" |
| 94. Han Section 7 RA 16h 38' 10.8" Decl. -10° 36' 1" | 109. Ruchbah Section 1 RA 1h 27' 2.5" Decl. 60° 19' 5" | 123. Hatysa Section 3 RA 5h 36' 20.3" Decl. -5° 53' 5" |
| 95. ζ Centauri Section 6 RA 13h 56' 42.2" Decl. -47° 22' 43" | 110. Muphrid Section 6 RA 13h 55' 33.9" Decl. 18° 18' 2" | 124. ι Centauri Section 5 RA 13h 21' 38.6" Decl. -36° 48' 34" |
| 96. Zosma Section 5 RA 11h 15' 5.4" Decl. 20° 25' 1" | 111. Ke Kouan Section 6 RA 14h 59' 45.1" Decl. -43° 12' 26" | 125. Cebalrai Section 7 RA 17h 44' 23.2" Decl. 4° 33' 3" |
| 98. Arneb Section 3 RA 5h 33' 32.8" Decl. -17° 48' 3" | 112. Hassaleh Section 3 RA 4h 58' 12.1" Decl. 33° 11' 3" | 126. Kursa Section 3 RA 5h 8' 45.6" Decl. -5° 3' 5" |

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| 127. Kornephoros Section 7 RA 16h 31' 1" Decl. 21° 27' 0" | 141. β Arae Section 7 RA 17h 26' 50.5" Decl. -55° 32' 43" | 155. ϵ Persei Section 2 RA 3h 59' 6.1" Decl. 40° 3' 4" |
| 128. δ Crucis Section 5 RA 12h 16' 8.3" Decl. -58° 51' 6" | 142. Choo Section 7 RA 17h 33' 16.4" Decl. -49° 53' 20" | 156. Alniyat Section 6 RA 16h 22' 19" Decl. -25° 38' 0" |
| 129. Rastaban Section 7 RA 17h 30' 51.1" Decl. 52° 17' 1" | 143. Alcyone Section 2 RA 3h 48' 35.3" Decl. 24° 9' 4" | 157. Albireo Section 8 RA 19h 31' 28.1" Decl. 27° 59' 5" |
| 130. Cor Caroli 2 Section 5 RA 12h 56' 1.66622" Decl. 38° 19' 6.1541" | 144. Vindemiatrix Section 5 RA 13h 3' 5.9" Decl. 10° 51' 3" | 158. Sadalsuud Section 8 RA 21h 32' 31.9" Decl. -5° 29' 2" |
| 131. γ Lupi Section 6 RA 15h 36' 22.8" Decl. -41° 13' 39" | 145. Deneb Algedi Section 8 RA 21h 48' 3.6" Decl. -16° 2' 3" | 159. γ Persei Section 2 RA 3h 6' 8.9" Decl. 53° 34' 3" |
| 132. Nihal Section 3 RA 5h 29' 2.3" Decl. -20° 44' 4" | 146. α Hydri Section 2 RA 1h 59' 21.1" Decl. -61° 28' 49" | 160. ν Carinae Section 4 RA 9h 47' 33.8" Decl. -65° 9' 29" |
| 133. Rutilicus Section 7 RA 16h 41' 59.1" Decl. 31° 34' 1" | 147. δ Cygni Section 8 RA 19h 45' 33.2" Decl. 45° 10' 3" | 161. Matar Section 1 RA 22h 43' 52.3" Decl. 30° 19' 0" |
| 134. β Hydri Section 1 RA 0h 26' 41.9" Decl. -77° 9' 1" | 148. Tejat Section 3 RA 6h 24' 4.8" Decl. 22° 30' 0" | 162. τ Puppis Section 3 RA 6h 50' 23.7" Decl. -50° 38' 14" |
| 135. τ Scorpii Section 7 RA 16h 37' 2.2" Decl. -28° 15' 1" | 149. γ Trianguli Australis Section 6 RA 15h 18' 54.582" Decl. -68° 40' 46.3654" | 163. Algorel Section 5 RA 12h 30' 49.4" Decl. -16° 37' 0" |
| 136. Kaus Borealis Section 7 RA 18h 29' 6.7" Decl. -25° 24' 3" | 150. α Tucanae Section 8 RA 22h 19' 45.2" Decl. -60° 10' 0" | 164. Sadalmelik Section 8 RA 22h 6' 44" Decl. 0° 13' 4" |
| 137. Algenib Section 1 RA 0h 14' 11.4" Decl. 15° 17' 1" | 151. Acamar Section 2 RA 2h 58' 15.6792" Decl. -40° 18' 16.8457" | 165. Zaurak Section 2 RA 3h 58' 53.6" Decl. -13° 27' 2" |
| 138. Turais Section 4 RA 8h 8' 19.9" Decl. -24° 21' 3" | 152. Albaldah Section 7 RA 19h 10' 51.8" Decl. -20° 59' 3" | 166. Alheka Section 3 RA 5h 38' 45.1" Decl. 21° 9' 0" |
| 139. β Trianguli Australis Section 6 RA 15h 56' 47.3" Decl. -63° 29' 9" | 153. Gomeisa Section 3 RA 7h 28' 9.2" Decl. 8° 15' 0" | 167. Ras Elased Australis Section 4 RA 9h 46' 53.9" Decl. 23° 41' 1" |
| 140. ζ Persei Section 2 RA 3h 55' 18" Decl. 31° 56' 1" | 154. π Scorpii Section 6 RA 15h 59' 58.5" Decl. -26° 9' 5" | 168. Alnasl Section 7 RA 18h 6' 59.8" Decl. -30° 25' 2" |

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| 169. γ Hydræ Section 5 RA 13h 19' 55.9" Decl. $-23^{\circ} 16' 0''$ | 179. σ^2 Canis Majoris Section 3 RA 7h 3' 1.47211" Decl. $-23^{\circ} 49' 59.8523''$ | 190. ν Hydræ Section 5 RA 10h 50' 32.3" Decl. $-16^{\circ} 17' 27''$ |
| 170. ι^1 Scorpïi Section 7 RA 17h 48' 52.8" Decl. $-40^{\circ} 7' 56''$ | 180. Minkar Section 5 RA 12h 11' 4.7" Decl. $-22^{\circ} 43' 2''$ | 191. λ Centauri Section 5 RA 11h 36' 38.6" Decl. $-63^{\circ} 7' 20''$ |
| 171. Deneb el Okab Section 7 RA 19h 6' 15.6" Decl. $13^{\circ} 53' 3''$ | 181. Almaaz Section 3 RA 5h 3' 18" Decl. $43^{\circ} 50' 5''$ | 192. Persian Section 8 RA 20h 38' 51.6" Decl. $-47^{\circ} 13' 32''$ |
| 172. β Trianguli Section 2 RA 2h 10' 39.1" Decl. $35^{\circ} 4' 2''$ | 182. β Muscæ Section 5 RA 12h 47' 26.1" Decl. $-68^{\circ} 12' 32''$ | 193. Wazn Section 3 RA 5h 51' 36.8" Decl. $-35^{\circ} 45' 44''$ |
| 173. ψ Ursae Majoris Section 5 RA 11h 10' 41.8" Decl. $44^{\circ} 23' 5''$ | 183. Seginus Section 6 RA 14h 32' 49.3" Decl. $38^{\circ} 13' 4''$ | 194. Talita Section 4 RA 9h 0' 28" Decl. $47^{\circ} 58' 0''$ |
| 174. Pherkad Major Section 6 RA 15h 20' 42.8" Decl. $71^{\circ} 46' 0''$ | 184. Dabih Section 8 RA 20h 22' 2.9" Decl. $-14^{\circ} 43' 1''$ | 195. ζ Aræ Section 7 RA 17h 0' 9.4" Decl. $-56^{\circ} 1' 2''$ |
| 175. μ^1 Scorpïi Section 7 RA 16h 53' 7.6" Decl. $-38^{\circ} 4' 39''$ | 185. Mebsuta Section 3 RA 6h 45' 4.2" Decl. $25^{\circ} 6' 4''$ | 196. Sarin Section 7 RA 17h 15' 47.5" Decl. $24^{\circ} 49' 0''$ |
| 176. γ Gruis Section 8 RA 21h 55' 2.6" Decl. $-37^{\circ} 16' 37''$ | 186. Tania Australis Section 4 RA 10h 23' 25.5" Decl. $41^{\circ} 24' 2''$ | 197. Ke Kwan Section 6 RA 15h 0' 22.3" Decl. $-42^{\circ} 10' 38''$ |
| 177. δ Persei Section 2 RA 3h 44' 15" Decl. $47^{\circ} 50' 4''$ | 187. Tais Section 7 RA 19h 12' 33.3" Decl. $67^{\circ} 41' 3''$ | 198. α Lyncis Section 4 RA 9h 22' 10.6" Decl. $34^{\circ} 18' 4''$ |
| 178. Phurad Section 3 RA 6h 21' 1.4" Decl. $-30^{\circ} 4' 2''$ | 188. η Sagittarii Section 7 RA 18h 18' 52.7" Decl. $-36^{\circ} 45' 16''$ | 199. N Velorum Section 4 RA 9h 31' 13.3189" Decl. $-57^{\circ} 2' 3.7578''$ |
| | 189. ζ Hydræ Section 4 RA 8h 56' 22.2" Decl. $5^{\circ} 52' 2''$ | 200. π Herculis Section 7 RA 17h 15' 41.5" Decl. $36^{\circ} 47' 2''$ |

Stars According to Section (RA)

Section 1

RA 22h 30m–1h 30m

18. Fomalhaut

Section 1

RA 22h 57' 39.0465"

Decl. $-29^{\circ} 37' 20.05''$

51. Diphda

Section 1

RA 0h 44' 31"

Decl. $-17^{\circ} 53' 0''$

54. Alpheratz

Section 1

RA 0h 9' 20.9"

Decl. $29^{\circ} 11' 3''$

55. Mirach

Section 1

RA 1h 10' 46.4"

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

58. Al Dhanab

Section 1

RA 22h 43' 45.8"

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

63. Cih

Section 1

RA 0h 57' 50.4"

Decl. $60^{\circ} 48' 5''$

71. Schedar

Section 1

RA 0h 41' 34.1"

Decl. $56^{\circ} 38' 1''$

74. Caph

Section 1

RA 0h 10' 10.6"

Decl. $59^{\circ} 15' 0''$

84. Ankaa

Section 1

RA 0h 27' 11.7"

Decl. $-42^{\circ} 12' 20''$

87. Scheat

Section 1

RA 23h 4' 40.4"

Decl. $28^{\circ} 11' 0''$

92. Markab

Section 1

RA 23h 5' 41"

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

109. Ruchbah

Section 1

RA 1h 27' 2.5"

Decl. $60^{\circ} 19' 5''$

134. β Hydri

Section 1

RA 0h 26' 41.9"

Decl. $-77^{\circ} 9' 1''$

137. Algenib

Section 1

RA 0h 14' 11.4"

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

161. Matar

Section 1

RA 22h 43' 52.3"

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

Section 2

RA 1h 30m–4h 30m

9. Achernar

Section 2

RA 1h 38' 24"

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

33. Mirfak

Section 2

RA 3h 25' 39.2"

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

50. Hamal

Section 2

RA 2h 8' 13.2"

Decl. $23^{\circ} 32' 5''$

60. Algol

Section 2

RA 3h 9' 22.8"

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

61. Almach

Section 2

RA 2h 3' 53.9523"

Decl. $42^{\circ} 19' 47.0223''$

93. Menkar

Section 2

RA 3h 3' 14.9"

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

104. Sheratan

Section 2

RA 1h 55' 40"

Decl. $20^{\circ} 53' 5''$

140. ζ Persei

Section 2

RA 3h 55' 18"

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

143. Alcyone

Section 2

RA 3h 48' 35.3"

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

146. α Hydri

Section 2

RA 1h 59' 21.1"

Decl. $-61^{\circ} 28' 49''$

151. Acamar

Section 2

RA 2h 58' 15.6792"

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

155. ϵ Persei

Section 2

RA 3h 59' 6.1"

Decl. $40^{\circ} 3' 4''$

159. γ Persei

Section 2

RA 3h 6' 8.9"

Decl. $53^{\circ} 34' 3''$

165. Zaurak

Section 2

RA 3h 58' 53.6"

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

172. β Trianguli

Section 2

RA 2h 10' 39.1"

Decl. $35^{\circ} 4' 2''$

177. δ Persei

Section 2

RA 3h 44' 15"

Decl. $47^{\circ} 50' 4''$

Section 3

RA 4h 30m–7h 30m

1. Sirius

Section 3

RA 6h 45' 57.4"

Decl. $-16^{\circ} 44' 3''$

2. Canopus

Section 3

RA 6h 24' 21.8"

Decl. $-52^{\circ} 42' 23''$

6. Capella

Section 3

RA 5h 18' 3.5"

Decl. $46^{\circ} 0' 5''$

7. Rigel

Section 3

RA 5h 15' 25.7"

Decl. $-8^{\circ} 10' 5''$

10. Betelgeuse

Section 3

RA 5h 56' 10.4"

Decl. $7^{\circ} 24' 3''$

14. Aldebaran

Section 3

RA 4h 36' 59.1"

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

22. Adhara
Section 3
RA 6h 59' 21.2"
Decl. -28° 59' 5"

26. Bellatrix
Section 3
RA 5h 26' 7.5"
Decl. 6° 21' 5"

27. Elnath
Section 3
RA 5h 27' 27.8"
Decl. 28° 37' 1"

29. Alnilam
Section 3
RA 5h 37' 9.2"
Decl. -1° 11' 2"

31. Alnitak
Section 3
RA 5h 41' 41.6"
Decl. -1° 56' 0"

36. Wezen
Section 3
RA 7h 9' 8.6"
Decl. -26° 25' 2"

41. Menkalinan
Section 3
RA 6h 0' 53.2"
Decl. 44° 56' 5"

43. Alhena
Section 3
RA 6h 38' 46.8"
Decl. 16° 22' 5"

46. Mirzam
Section 3
RA 6h 23' 30.9"
Decl. -17° 57' 5"

56. Saiph
Section 3
RA 5h 48' 38.1"
Decl. -9° 39' 5"

73. Mintaka
Section 3
RA 5h 32' 57.2"
Decl. 0° 17' 1"

88. Aludra
Section 3
RA 7h 24' 49.6"
Decl. -29° 20' 2"

98. Arneb
Section 3
RA 5h 33' 32.8"
Decl. -17° 48' 3"

106. Phact
Section 3
RA 5h 40' 19.2"
Decl. -34° 3' 55"

107. θ Aurigæ
Section 3
RA 6h 0' 59"
Decl. 37° 12' 4"

112. Hassaleh
Section 3
RA 4h 58' 12.1"
Decl. 33° 11' 3"

116. π Puppis
Section 3
RA 7h 17' 47.8"
Decl. -37° 7' 54"

123. Hatysa
Section 3
RA 5h 36' 20.3"
Decl. -5° 53' 5"

126. Kursa
Section 3
RA 5h 8' 45.6"
Decl. -5° 3' 5"

132. Nihal
Section 3
RA 5h 29' 2.3"
Decl. -20° 44' 4"

148. Tejat
Section 3
RA 6h 24' 4.8"
Decl. 22° 30' 0"

153. Gomeisa
Section 3
RA 7h 28' 9.2"
Decl. 8° 15' 0"

162. τ Puppis
Section 3
RA 6h 50' 23.7"
Decl. -50° 38' 14"

166. Alheka
Section 3
RA 5h 38' 45.1"
Decl. 21° 9' 0"

178. Phurad
Section 3
RA 6h 21' 1.4"
Decl. -30° 4' 2"

179. α^2 Canis Majoris
Section 3
RA 7h 3' 1.47211"
Decl. -23° 49' 59.8523"

181. Almaaz
Section 3
RA 5h 3' 18"
Decl. 43° 50' 5"

185. Mebsuta
Section 3
RA 6h 45' 4.2"
Decl. 25° 6' 4"

193. Wazn
Section 3
RA 5h 51' 36.8"
Decl. -35° 45' 44"

Section 4

RA 7h 30m–10h 30m

8. Procyon
Section 4
RA 7h 40' 16.3"
Decl. 5° 10' 3"

17. Pollux
Section 4
RA 7h 46' 26.7"
Decl. 27° 58' 4"

21. Regulus
Section 4
RA 10h 9' 21.3"
Decl. 11° 52' 3"

23. Castor
Section 4
RA 7h 34' 35.863"
Decl. 31° 53' 17.79"

28. Miaplacidus
Section 4
RA 9h 13' 23.7"
Decl. -69° 47' 37"

35. Regor
Section 4
RA 8h 9' 31.9501"
Decl. -47° 20' 11.7108"

40. Avior
Section 4
RA 8h 22' 53.5"
Decl. -59° 34' 10"

45. Koo She
Section 4
RA 8h 45' 12.9"
Decl. -54° 46' 38"

47. Alphard
Section 4
RA 9h 28' 29.8"
Decl. -8° 44' 2"

49. Algieba
Section 4
RA 10h 19' 58.3506"
Decl. 19° 50' 29.3468"

65. Naos
Section 4
RA 8h 4' 14.1"
Decl. -40° 3' 22"

66. Aspidiske
Section 4
RA 9h 17' 35.1"
Decl. -59° 21' 12"

68. Suhail
Section 4
RA 9h 8' 40.7"
Decl. $-43^{\circ} 30' 29''$

90. Markeb
Section 4
RA 9h 22' 41.2"
Decl. $-55^{\circ} 5' 25''$

138. Turais
Section 4
RA 8h 8' 19.9"
Decl. $-24^{\circ} 21' 3''$

160. ν Carinæ
Section 4
RA 9h 47' 33.8"
Decl. $-65^{\circ} 9' 29''$

167. Ras Elased Australis
Section 4
RA 9h 46' 53.9"
Decl. $23^{\circ} 41' 1''$

186. Tania Australis
Section 4
RA 10h 23' 25.5"
Decl. $41^{\circ} 24' 2''$

189. ζ Hydræ
Section 4
RA 8h 56' 22.2"
Decl. $5^{\circ} 52' 2''$

194. Talita
Section 4
RA 9h 0' 28"
Decl. $47^{\circ} 58' 0''$

198. α Lyncis
Section 4
RA 9h 22' 10.6"
Decl. $34^{\circ} 18' 4''$

199. N Velorum
Section 4
RA 9h 31' 13.3189"
Decl. $-57^{\circ} 2' 3.7578''$

Section 5

RA 10h 30m–13h 30m

16. Spica
Section 5
RA 13h 26' 10.2"
Decl. $-11^{\circ} 15' 2''$

20. Mimosa
Section 5
RA 12h 48' 48.9"
Decl. $-59^{\circ} 47' 22''$

25. Gacrux
Section 5
RA 12h 32' 12.2"
Decl. $-57^{\circ} 13' 0''$

32. Alioth
Section 5
RA 12h 54' 50.3"
Decl. $55^{\circ} 51' 3''$

34. Dubhe
Section 5
RA 11h 4' 51.2"
Decl. $61^{\circ} 39' 0''$

62. Denebola
Section 5
RA 11h 50' 0.1"
Decl. $14^{\circ} 28' 0''$

64. Muhlifain
Section 5
RA 12h 42' 32.8"
Decl. $-49^{\circ} 3' 40''$

69. Mizar
Section 5
RA 13h 24' 40.1"
Decl. $54^{\circ} 49' 4''$

80. Merak
Section 5
RA 11h 2' 56.8"
Decl. $56^{\circ} 16' 5''$

85. Phecda
Section 5
RA 11h 54' 47.8"
Decl. $53^{\circ} 35' 3''$

96. Zosma
Section 5
RA 11h 15' 5.4"
Decl. $20^{\circ} 25' 1''$

99. δ Centauri
Section 5
RA 12h 9' 19.5"
Decl. $-50^{\circ} 49' 31''$

100. Gienah Ghurab
Section 5
RA 12h 16' 45.6"
Decl. $-17^{\circ} 38' 4''$

108. Kraz
Section 5
RA 12h 35' 21.7"
Decl. $-23^{\circ} 29' 5''$

113. μ Velorum
Section 5
RA 10h 47' 34.2"
Decl. $-49^{\circ} 31' 6''$

114. α Muscæ
Section 5
RA 12h 38' 18.4"
Decl. $-69^{\circ} 14' 14''$

121. θ Carinæ
Section 5
RA 10h 43' 37.3"
Decl. $-64^{\circ} 29' 30''$

122. Porrima
Section 5
RA 12h 41' 39.6434"
Decl. $-1^{\circ} 26' 57.7421''$

124. ι Centauri
Section 5
RA 13h 21' 38.6"
Decl. $-36^{\circ} 48' 34''$

128. δ Crucis
Section 5
RA 12h 16' 8.3"
Decl. $-58^{\circ} 51' 6''$

130. Cor Caroli 2
Section 5
RA 12h 56' 1.66622"
Decl. $38^{\circ} 19' 6.1541''$

144. Vindemiatrix
Section 5
RA 13h 3' 5.9"
Decl. $10^{\circ} 51' 3''$

163. Algorel
Section 5
RA 12h 30' 49.4"
Decl. $-16^{\circ} 37' 0''$

169. γ Hydræ
Section 5
RA 13h 19' 55.9"
Decl. $-23^{\circ} 16' 0''$

173. ψ Ursæ Majoris
Section 5
RA 11h 10' 41.8"
Decl. $44^{\circ} 23' 5''$

180. Minkar
Section 5
RA 12h 11' 4.7"
Decl. $-22^{\circ} 43' 2''$

182. β Muscæ
Section 5
RA 12h 47' 26.1"
Decl. $-68^{\circ} 12' 32''$

190. ν Hydræ
Section 5
RA 10h 50' 32.3"
Decl. $-16^{\circ} 17' 27''$

191. λ Centauri
Section 5
RA 11h 36' 38.6"
Decl. $-63^{\circ} 7' 20''$

Section 6

RA 13h 30m–16h 30m

3. α Centauri
Section 6
RA 14h 39' 35.0631"
Decl. $-60^{\circ} 50' 15.0992''$

4. Arcturus
Section 6
RA 14h 16' 30.3"
Decl. 19° 5' 1"

11. Hadar
Section 6
RA 14h 5' 8.7"
Decl. −60° 27' 41"

38. Alkaid
Section 6
RA 13h 48' 16.1"
Decl. 49° 13' 1"

53. Menkent
Section 6
RA 14h 7' 46.7"
Decl. −36° 27' 3"

57. Kochab
Section 6
RA 14h 50' 40.2"
Decl. 74° 4' 4"

67. Alphecca
Section 6
RA 15h 35' 28.3"
Decl. 26° 39' 1"

75. ϵ Centauri
Section 6
RA 13h 41' 4.3"
Decl. −53° 33' 35"

76. Dschubba
Section 6
RA 16h 1' 25.8"
Decl. −22° 40' 2"

78. Men
Section 6
RA 14h 43' 10.1"
Decl. −47° 27' 59"

79. η Centauri
Section 6
RA 14h 36' 41.4"
Decl. −42° 14' 17"

81. Izar
Section 6
RA 14h 45' 47.7"
Decl. 26° 59' 4"

95. ζ Centauri
Section 6
RA 13h 56' 42.2"
Decl. −47° 22' 43"

102. Zubeneshchamali
Section 6
RA 15h 18' 0.3"
Decl. −9° 27' 0"

103. Unukalhai
Section 6
RA 15h 45' 10.8"
Decl. 6° 22' 0"

105. Zubenelgenubi
Section 6
RA 14h 50' 52.7131"
Decl. −16° 2' 30.3955"

110. Muphrid
Section 6
RA 13h 55' 33.9"
Decl. 18° 18' 2"

111. Ke Kouan
Section 6
RA 14h 59' 45.1"
Decl. −43° 12' 26"

119. Yed Prior
Section 6
RA 16h 15' 19"
Decl. −3° 44' 2"

120. Aldhibain
Section 6
RA 16h 24' 14.7"
Decl. 61° 28' 2"

131. γ Lupi
Section 6
RA 15h 36' 22.8"
Decl. −41° 13' 39"

139. β Trianguli Australis
Section 6
RA 15h 56' 47.3"
Decl. −63° 29' 9"

149. γ Trianguli Australis
Section 6
RA 15h 18' 54.582"
Decl. −68° 40' 46.3654"

154. π Scorpii
Section 6
RA 15h 59' 58.5"
Decl. −26° 9' 5"

156. Alniyat
Section 6
RA 16h 22' 19"
Decl. −25° 38' 0"

174. Pherkad Major
Section 6
RA 15h 20' 42.8"
Decl. 71° 46' 0"

183. Seginus
Section 6
RA 14h 32' 49.3"
Decl. 38° 13' 4"

197. Ke Kwan
Section 6
RA 15h 0' 22.3"
Decl. −42° 10' 38"

Section 7

RA 16h 30m–19h 30m

5. Vega
Section 7
RA 18h 37' 33.9"
Decl. 38° 48' 0"

15. Antares
Section 7
RA 16h 30' 32.7"
Decl. −26° 28' 1"

24. Shaula
Section 7
RA 17h 34' 52"
Decl. −37° 6' 5"

37. Kaus Australis
Section 7
RA 18h 25' 24"
Decl. −34° 22' 2"

39. Sargas
Section 7
RA 17h 38' 39"
Decl. −43° 0' 28"

42. Atria
Section 7
RA 16h 48' 39.8951"
Decl. −69° 1' 39.7626"

52. Nunki
Section 7
RA 18h 56' 24.7"
Decl. −26° 16' 2"

59. Rasalhague
Section 7
RA 17h 35' 47.6"
Decl. 12° 32' 5"

72. Eltanin
Section 7
RA 17h 57' 2.2"
Decl. 51° 29' 1"

77. Wei
Section 7
RA 16h 51' 21.9"
Decl. −34° 19' 3"

83. Girtab
Section 7
RA 17h 43' 46.1"
Decl. −39° 2' 16"

86. Sabik
Section 7
RA 17h 11' 26.4"
Decl. −15° 44' 4"

94. Han
Section 7
RA 16h 38' 10.8"
Decl. −10° 36' 1"

101. Ascella
Section 7
RA 19h 3' 47.2"
Decl. −29° 51' 0"

115. Lesath

Section 7

RA 17h 32' 1.4"

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

117. Kaus Meridionalis

Section 7

RA 18h 22' 10.7"

Decl. $-29^{\circ} 49' 0''$

125. Cebalrai

Section 7

RA 17h 44' 23.2"

Decl. $4^{\circ} 33' 3''$

127. Kornephoros

Section 7

RA 16h 31' 1"

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

129. Rastaban

Section 7

RA 17h 30' 51.1"

Decl. $52^{\circ} 17' 1''$

133. Rutilicus

Section 7

RA 16h 41' 59.1"

Decl. $31^{\circ} 34' 1''$

135. τ Scorpii

Section 7

RA 16h 37' 2.2"

Decl. $-28^{\circ} 15' 1''$

136. Kaus Borealis

Section 7

RA 18h 29' 6.7"

Decl. $-25^{\circ} 24' 3''$

141. β Aræ

Section 7

RA 17h 26' 50.5"

Decl. $-55^{\circ} 32' 43''$

142. Choo

Section 7

RA 17h 33' 16.4"

Decl. $-49^{\circ} 53' 20''$

152. Albaldah

Section 7

RA 19h 10' 51.8"

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

168. Alnasl

Section 7

RA 18h 6' 59.8"

Decl. $-30^{\circ} 25' 2''$

170. ι^1 Scorpii

Section 7

RA 17h 48' 52.8"

Decl. $-40^{\circ} 7' 56''$

171. Deneb el Okab

Section 7

RA 19h 6' 15.6"

Decl. $13^{\circ} 53' 3''$

175. μ^1 Scorpii

Section 7

RA 16h 53' 7.6"

Decl. $-38^{\circ} 4' 39''$

187. Tais

Section 7

RA 19h 12' 33.3"

Decl. $67^{\circ} 41' 3''$

188. η Sagittarii

Section 7

RA 18h 18' 52.7"

Decl. $-36^{\circ} 45' 16''$

195. ζ Aræ

Section 7

RA 17h 0' 9.4"

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

196. Sarin

Section 7

RA 17h 15' 47.5"

Decl. $24^{\circ} 49' 0''$

200. π Herculis

Section 7

RA 17h 15' 41.5"

Decl. $36^{\circ} 47' 2''$

Section 8

RA 19h 30m–22h 30m

12. Altair

Section 8

RA 19h 51' 41.1"

Decl. $8^{\circ} 55' 0''$

19. Deneb

Section 8

RA 20h 42' 3.8"

Decl. $45^{\circ} 20' 5''$

30. Alnair

Section 8

RA 22h 9' 23.4"

Decl. $-46^{\circ} 52' 14''$

44. Peacock

Section 8

RA 20h 27' 6"

Decl. $-56^{\circ} 40' 27''$

70. Sadr

Section 8

RA 20h 22' 53.6"

Decl. $40^{\circ} 19' 0''$

82. Enif

Section 8

RA 21h 45' 5.7"

Decl. $9^{\circ} 57' 3''$

89. Alderamin

Section 8

RA 21h 19' 1.2"

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

91. Gienah

Section 8

RA 20h 46' 57.6"

Decl. $34^{\circ} 2' 2''$

118. Tarazed

Section 8

RA 19h 47' 8.3"

Decl. $10^{\circ} 39' 3''$

145. Deneb Algedi

Section 8

RA 21h 48' 3.6"

Decl. $-16^{\circ} 2' 3''$

147. δ Cygni

Section 8

RA 19h 45' 33.2"

Decl. $45^{\circ} 10' 3''$

150. α Tucanæ

Section 8

RA 22h 19' 45.2"

Decl. $-60^{\circ} 10' 0''$

157. Albireo

Section 8

RA 19h 31' 28.1"

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

158. Sadalsuud

Section 8

RA 21h 32' 31.9"

Decl. $-5^{\circ} 29' 2''$

164. Sadalmelik

Section 8

RA 22h 6' 44"

Decl. $0^{\circ} 13' 4''$

176. γ Gruis

Section 8

RA 21h 55' 2.6"

Decl. $-37^{\circ} 16' 37''$

184. Dabih

Section 8

RA 20h 22' 2.9"

Decl. $-14^{\circ} 43' 1''$

192. Persian

Section 8

RA 20h 38' 51.6"

Decl. $-47^{\circ} 13' 32''$

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