| **North Stars (374 objects)** | | | | |
| --- | --- | --- | --- | --- |
| **Object** | **Type** | **Mag** | **Size** | **Information** |
| HD 225010 | \*A G9III \*B A1V \*C | 5.96 7.17 10.99 | AB 15.32" AC 98.66" | R00:02:36.08 D66:05:56.3 *Cassiopeia* WDS 00026+6606,SAO 10938 |
| *Alpheratz* α And | \* A0p | 2.10 |  | R00:08:23.3 D29:05:25.6 *Andromeda* SAO 73765 |
| 35 Psc | \* F0 | 5.90 |  | R00:14:58.8 D08:49:15.4 *Pisces* SAO 109087 |
| 38 Psc | \*A F7V \*B \*C \*D \*E | 8.38 7.78 7.66 11.50 16.16 | AB 0.16" | R00:17:24.50 D08:52:34.8 *Pisces* WDS 00174+0853,SAO 109111 |
| GX And | \* M0 | 8.10 |  | R00:18:22.8 D44:01:21.5 *Andromeda* SAO 36248 |
| 42 Psc | \* K0 | 6.40 |  | R00:22:25.5 D13:28:57.7 *Pisces* SAO 91866 |
| R And | \*A S6.5IIIe \*B | 12.04 12.37 | AB 83.70" | R00:24:01.94 D38:34:37.5 *Andromeda* WDS 00240+3835,SAO 53860 |
| 51 Psc | \* A0 | 5.70 |  | R00:32:23.8 D06:57:20.1 *Pisces* SAO 109262 |
| π And | \* B3 | 4.50 |  | R00:36:52.9 D33:43:09.6 *Andromeda* SAO 54033 |
| δ And | \* K2 | 3.50 |  | R00:39:19.7 D30:51:39.7 *Andromeda* SAO 54058 |
| 55 Psc | \* K0 | 5.60 |  | R00:39:55.6 D21:26:17.9 *Pisces* SAO 74182 |
| *Shedar* α Cas | \* K0 | 2.50 |  | R00:40:30.5 D56:32:14.4 *Cassiopeia* *Schedar*,*Shedir*,*Schedir* SAO 21609 |
| *Achird* ζ Cas | \* F8 | 3.60 |  | R00:49:06.0 D57:48:57.2 *Cassiopeia* SAO 21732 |
| 65 Psc | \* F0 | 6.30 |  | R00:49:53.2 D27:42:36.7  SAO 74296 |
| 36 And | \* K0 | 5.60 |  | R00:54:58.0 D23:37:42.1 *Andromeda* SAO 74359 |
| 26 Cet | \* F0 | 6.20 |  | R01:03:49.0 D01:22:00.4 *Cetus* SAO 109643 |
| ψ1 Psc | \* A2 | 5.50 |  | R01:05:40.9 D21:28:23.7 *Pisces* SAO 74482 |
| 77 Psc | \* F2 | 6.80 |  | R01:05:49.2 D04:54:29.9 *Pisces* SAO 109666 |
| ζ Psc | \* F8 | 6.50 |  | R01:13:45.3 D07:34:42.0 *Pisces* SAO 109740 |
| *Titawin* υ And | \* G0 | 4.20 |  | R01:36:47.8 D41:24:19.6 *Andromeda* SAO 37362 |
| τ Cet | \* K0 | 3.60 |  | R01:44:04.1 D-15:56:14.6  SAO 147986 |
| ε Scl | \* F0 | 5.40 |  | R01:45:38.8 D-25:03:09.6  SAO 167275 |
| 1 Ari | \* +++ | 6.20 |  | R01:50:08.5 D22:16:31.3 *Aries* SAO 74966 |
| *Mesarthim* γ Ari | \* A0p | 4.80 |  | R01:53:31.8 D19:17:37.2 *Aries* SAO 92681 |
| γ1 Ari | \* A0p | 4.80 |  | R01:53:31.8 D19:17:45.1  SAO 92680 |
| 56 And | \* K0 | 5.80 |  | R01:56:09.3 D37:15:06.0 *Andromeda* SAO 55107 |
| λ Ari | \* A5 | 4.80 |  | R01:57:55.7 D23:35:45.9 *Aries* SAO 75051 |
| *Alrischa* α Psc | \* A2p | 4.30 |  | R02:02:02.8 D02:45:49.1 *Pisces* *Alrisha*,*Alrescha*,*Alresha* SAO 110291 |
| ε Tri | \* A2 | 5.40 |  | R02:02:58.0 D33:17:02.4 *Triangulum* SAO 55218 |
| *Almach* γ1 And | \* K0 | 2.30 |  | R02:03:54.0 D42:19:47.0  *Almaac*,*Almaak* SAO 37734 |
| *Almach* γ2 And | \* A0 | 5.10 |  | R02:03:54.7 D42:19:51.1 *Andromeda* *Almaac*,*Almaak* SAO 37735 |
| 14 Ari | \*A F2III \*B \*C | 4.99 8.01 7.97 | AB 93.33" AC 104.00" | R02:09:25.29 D25:56:23.9  WDS 02094+2556,SAO 75171 |
| 6 Tri | \* G0 | 5.40 |  | R02:12:22.3 D30:18:10.7 *Triangulum* SAO 55347 |
| 66 Cet | \* G0 | 5.70 |  | R02:12:47.5 D-02:23:37.1 *Cetus* SAO 129752 |
| SAO 75264 | \*A F7V \*B F9V | 7.09 7.83 | AB 13.56" | R02:17:25.29 D28:44:42.1  WDS 02174+2845,SAO 75264 |
| *Mira* Cet | \* M5e | 2.00 |  | R02:19:20.7 D-02:58:39.4 *Cetus* SAO 129825 |
| ι Cas | \* A5p | 4.60 |  | R02:29:04.0 D67:24:08.5 *Cassiopeia* SAO 12298 |
| HR 716 | \*A A2pShell \*B | 6.72 8.50 | AB 2.80" | R02:29:24.96 D55:32:10.5  WDS 02294+5532,SAO 23369 |
| HD 15407 | \*A F4V \*B \*C \*D \*E | 7.00 9.66 11.37 14.20 14.70 | AB 21.27" AC 47.91" AD 51.02" BD 32.42" BE 15.68" | R02:30:50.65 D55:32:54.2  WDS 02308+5533,SAO 23389 |
| *Polaris* α UMi | \* F8v | 2.10 |  | R02:31:48.7 D89:15:50.6 *Ursa Minor* *Lodestar*,*Navigatoria*,*North Star* SAO 308 |
| ω For | \* B9 | 5.00 |  | R02:33:50.7 D-28:13:57.2 *Fornax* SAO 167882 |
| 30 Ari | \*A F5V \*B F7V \*C M1V | 6.50 7.02 11.00 | AB 37.93" BC 0.56" | R02:37:00.52 D24:38:50.0 *Aries* WDS 02370+2439,SAO 75470 |
| 33 Ari | \* A2 | 5.40 |  | R02:40:41.1 D27:03:39.0 *Aries* SAO 75510 |
| 84 Cet | \* F5 | 5.70 |  | R02:41:13.9 D-00:41:45.3 *Cetus* SAO 130055 |
| *Kaffaljidhma* γ Cet | \* A2 | 3.60 |  | R02:43:18.0 D03:14:08.5 *Cetus* SAO 110707 |
| θ Per | \* F8 | 4.20 |  | R02:44:12.0 D49:13:42.6 *Perseus* SAO 38288 |
| π Ari | \* B5 | 5.30 |  | R02:49:17.5 D17:27:51.4 *Aries* SAO 93127 |
| *Miram* ζ Per | \* K0 | 4.00 |  | R02:50:41.8 D55:53:43.7 *Perseus* SAO 23655 |
| HD 18143 | \*A K2IV \*B M0V \*C | 7.68 10.02 13.86 | AB 5.55" AC 43.88" | R02:55:39.06 D26:52:23.6 *Aries* WDS 02556+2652,SAO 75644 |
| *Acamar* θ1 Eri | \* A2 | 3.40 |  | R02:58:15.7 D-40:18:17.0 *Eridanus* SAO 216113 |
| HR 891 | \*A B7V \*B B9V | 5.21 6.17 | AB 12.03" | R03:00:52.18 D52:21:06.5 *Perseus* WDS 03009+5221,SAO 23765 |
| HR 890 | \*A B7V \*B B9V | 5.21 6.17 | AB 12.03" | R03:00:52.18 D52:21:06.5  WDS 03009+5221,SAO 23763 |
| ρ1 Eri | \* G5 | 5.90 |  | R03:01:10.0 D-07:39:46.5 *Eridanus* SAO 130243 |
| *Menkar* α Cet | \* M0 | 2.80 |  | R03:02:16.8 D04:05:22.9  SAO 110920 |
| ρ2 Eri | \* G5 | 5.50 |  | R03:02:42.3 D-07:41:07.3 *Eridanus* SAO 130254 |
| *Algol* β Per | \* B8 | 2.90 |  | R03:08:10.1 D40:57:20.4  *Head of Medusa*,*Demon Star*,*Gorgonea Prima* SAO 38592 |
| *Dalim* α For | \* F8 | 4.00 |  | R03:12:04.3 D-28:59:13.4 *Fornax* SAO 168373 |
| HR 979 | \*A B9VpSi \*B | 6.83 7.72 | AB 3.57" | R03:17:11.45 D40:28:58.6  WDS 03171+4029,SAO 38700 |
| HR 997 | \*A F0IV \*B | 5.88 8.17 | AB 8.01" | R03:18:41.14 D-18:33:35.2 *Eridanus* WDS 03187-1834,SAO 148897 |
| *Mirfak* α Per | \* F5 | 1.90 |  | R03:24:19.4 D49:51:40.3  *Mirphak*,*Algenib* SAO 38787 |
| HR 1046 | \*A A1V \*B \*C | 5.06 10.02 10.63 | AB 14.59" AC 110.60" | R03:30:00.23 D55:27:06.6 *Camelopardalis* WDS 03300+5527,SAO 24064 |
| HD 21488 | \*A K0 \*B | 7.45 10.34 | AB 26.20" | R03:30:17.71 D52:53:41.3  WDS 03303+5254,SAO 24068 |
| V711 Tau | \* G0 | 6.10 |  | R03:36:47.3 D00:35:15.8 *Taurus* SAO 111291 |
| e Tau | \* B3 | 5.00 |  | R03:48:16.3 D11:08:36.3 *Taurus* SAO 93611 |
| ζ Per | \* B1 | 2.90 |  | R03:54:07.9 D31:53:00.9 *Perseus* SAO 56799 |
| 32 Eri | \* G5 | 5.00 |  | R03:54:17.5 D-02:57:16.9 *Eridanus* SAO 130806 |
| *Elthor* λ Tau | \* B3 | 4.00 |  | R04:00:40.8 D12:29:25.3 *Taurus* *Althor*,*Althaur*,*Al Thaur* SAO 93719 |
| HR 1279 | \*A F3V \*B | 6.11 8.77 | AB 3.82" | R04:07:41.98 D15:09:46.1 *Taurus* WDS 04077+1510,SAO 93775 |
| SZ Cam | \*A B0III \*B \*C \*D \*E B0II \*F \*G \*H \*I \*J \*K \*L \*M \*N \*O \*P \*Q \*R \*S \*T \*U | 6.91 12.90 13.50 14.10 6.94 11.70 9.63 10.50 9.81 13.34 15.30 9.80 11.40 9.62 9.40 10.69 13.20 12.89 14.10 15.40 15.20 | AB 6.10" AC 11.05" AD 16.10" AE 17.98" AF 36.23" AG 60.27" AH 57.02" AI 69.64" AL 98.33" AN 116.09" AO 138.90" AQ 45.62" AS 20.30" AT 27.50" AU 35.30" EB 14.24" EC 14.71" EF 18.62" EG 49.02" EH 47.05" EI 54.00" EQ 29.01" FQ 9.91" GH 5.69" GI 22.75" HI 27.99" IJ 60.58" IR 60.39" JK 8.80" LM 5.95" LO 42.36" OP 17.21" | R04:07:51.38 D62:19:48.4 *Camelopardalis* WDS 04078+6220,SAO 13030 |
| 47 Tau | \* G5 | 5.00 |  | R04:13:56.4 D09:15:49.3 *Taurus* SAO 111674 |
| 39 Eri | \* K0 | 5.10 |  | R04:14:23.7 D-10:15:22.7 *Eridanus* SAO 149478 |
| *Keid* 2 Eri | \* G5 | 4.50 |  | R04:15:16.3 D-07:39:09.9 *Eridanus* *Vulcan* SAO 131063 |
| φ Tau | \* K0 | 5.10 |  | R04:20:21.3 D27:21:02.6 *Taurus* SAO 76558 |
| T Tau | \*A G5V \*B \*C \*D | 5.50 7.60 14.00 14.50 | AB 0.69" AC 0.27" AD 0.14" | R04:21:59.42 D19:32:06.5 *Taurus* WDS 04220+1932 |
| 56 Per | \* F5 | 5.80 |  | R04:24:37.4 D33:57:35.2 *Perseus* SAO 57216 |
| θ1 Tau | \*A A7III \*B \*C | 3.41 3.94 11.96 | AB 347.90" BC 268.26" | R04:28:39.74 D15:52:15.2 *Taurus* SAO 93955,WDS 04287+1552 |
| 1 Cam | \* B1 | 5.90 |  | R04:32:01.8 D53:54:39.1 *Camelopardalis* SAO 24672 |
| 55 Eri | \* F5 | 6.70 |  | R04:43:35.1 D-08:47:45.8 *Eridanus* SAO 131443 |
| ω Aur | \* A0 | 5.00 |  | R04:59:15.4 D37:53:24.6 *Auriga* SAO 57548 |
| *Hind's Crimson Star* R Lep | \* N8 | 6.00 |  | R04:59:36.5 D-14:48:20.5 *Lepus* SAO 150058 |
| 5 Aur | \* F5 | 6.00 |  | R05:00:18.3 D39:23:41.3 *Auriga* SAO 57559 |
| HR 1619 | \*A B8V \*B A1IV \*C \*D | 6.50 7.80 10.50 10.39 | AD 130.86" BC 0.38" | R05:02:00.03 D01:36:31.9 *Orion* WDS 05020+0137,SAO 112340 |
| β Cam | \* G0p | 4.20 |  | R05:03:25.1 D60:26:32.1 *Camelopardalis* SAO 13351 |
| W Ori | \* Nb | 5.90 |  | R05:05:23.7 D01:10:38.9 *Orion* SAO 112406 |
| 11 Cam | \* B3p | 5.30 |  | R05:06:08.5 D58:58:20.5 *Camelopardalis* SAO 25001 |
| HR 1669 | \*A B2II \*B K3 \*C | 6.96 6.78 10.48 | AB 1.61" AC 72.40" | R05:10:18.81 D37:18:06.7 *Auriga* WDS 05103+3718,SAO 57704 |
| κ Lep | \* B8 | 4.50 |  | R05:13:13.9 D-12:56:29.5 *Lepus* SAO 150239 |
| *Rigel* β Ori | \* B8p | 0.30 |  | R05:14:32.3 D-08:12:06.0 *Orion* SAO 131907 |
| 14 Aur | \* A2 | 5.10 |  | R05:15:24.4 D32:41:15.7 *Auriga* SAO 57799 |
| HD 34527 | \*A B9.5V \*B | 6.96 8.46 | AB 20.46" | R05:17:35.50 D-15:13:10.5 *Lepus* WDS 05176-1513,SAO 150303 |
| YZ Lep | \* B8 | 6.20 |  | R05:19:17.5 D-18:31:11.7  SAO 150335 |
| TX Lep | \* B8 | 6.40 |  | R05:19:18.3 D-18:30:35.4 *Lepus* SAO 150336 |
| HR 1762 | \* A0 | 4.70 |  | R05:20:26.9 D-21:14:22.4 *Lepus* SAO 170327 |
| HD 35163 | \*A G0 \*B \*C | 5.44 6.58 9.32 | AB 3.50" AC 61.30" | R05:21:46.27 D-24:46:22.6 *Lepus* WDS 05218-2446,SAO 170352 |
| HR 1771 | \*A G0 \*B \*C | 5.44 6.58 9.32 | AB 3.50" AC 61.30" | R05:21:46.27 D-24:46:22.6 *Lepus* WDS 05218-2446,SAO 170351 |
| ζ Ori | \* B1 | 3.40 |  | R05:24:28.6 D-02:23:49.4 *Orion* SAO 132071 |
| HR 1779 | \*A K2III \*B | 6.65 8.33 | AB 31.23" | R05:25:12.94 D34:51:18.6 *Auriga* WDS 05252+3451,SAO 57999 |
| SAO 57998 | \*A K2III \*B | 6.65 8.33 | AB 31.23" | R05:25:12.94 D34:51:18.6  WDS 05252+3451,SAO 57998 |
| HD 35722 | \*A F5IV \*B | 5.87 7.30 | AB 26.47" | R05:25:59.82 D-19:41:43.4 *Lepus* WDS 05260-1942,SAO 150441 |
| *Mintaka* δ Ori | \* B0 | 2.50 |  | R05:32:00.4 D-00:17:56.8 *Orion* SAO 132220 |
| HR 1887 | \*A B0.5V \*B B1V \*C | 4.70 5.51 8.95 | AB 39.97" AC 68.20" | R05:35:02.68 D-06:00:07.2 *Orion* WDS 05350-0600,SAO 132301 |
| *Meissa* λ Ori | \* Oe5 | 3.70 |  | R05:35:08.3 D09:56:02.6 *Orion* *Heka*,*Hatya* SAO 112921 |
| c Ori | \* B3 | 4.60 |  | R05:35:23.2 D-04:50:17.9 *Orion* SAO 132320 |
| *Nair al Saif* ι Ori | \* Oe5 | 2.90 |  | R05:35:26.0 D-05:54:35.6 *Orion* SAO 132323 |
| *Trapezium* θ1 Ori | \* | 3.53 |  | R05:36:09.27 D-05:22:51.2 *Orion* |
| 26 Aur | \*A G8III \*B A1 \*C A6V \*D K1III | 6.29 6.21 8.41 11.50 | AB 0.20" | R05:38:38.10 D30:29:32.8 *Auriga* WDS 05386+3030 |
| σ Ori | \* B0 | 3.80 |  | R05:38:44.8 D-02:36:00.1 *Orion* SAO 132406 |
| HIP 26643 | \*A B8 \*B \*C | 6.87 7.94 11.30 | AB 11.36" AC 32.69" | R05:39:44.71 D-20:26:06.7 *Lepus* WDS 05397-2026 |
| *Alnitak* ζ Ori | \* B0 | 2.00 |  | R05:40:45.5 D-01:56:33.5 *Orion* SAO 132444 |
| γ Lep | \* F8 | 3.80 |  | R05:44:27.8 D-22:26:54.4 *Lepus* SAO 170759 |
| 29 Cam | \* A2 | 6.40 |  | R05:50:34.0 D56:55:07.8 *Camelopardalis* SAO 25403 |
| *Betelgeuse* α Ori | \* M0 | 0.60 |  | R05:55:10.3 D07:24:25.4 *Orion* SAO 113271 |
| θ Aur | \* A0p | 2.70 |  | R05:59:43.3 D37:12:44.7 *Auriga* SAO 58636 |
| 41 Aur | \* A0 | 6.80 |  | R06:11:36.5 D48:42:46.5 *Auriga* SAO 40924 |
| SAO 58904 | \*A F4IV \*B \*C \*D | 6.89 7.38 12.20 12.11 | AB 11.28" AC 197.03" CD 120.78" | R06:15:39.06 D36:08:55.3  WDS 06156+3609,SAO 58904 |
| HR 2217 | \*A F4IV \*B \*C \*D | 6.89 7.38 12.20 12.11 | AB 11.28" AC 197.03" CD 120.78" | R06:15:39.06 D36:08:55.3 *Auriga* WDS 06156+3609,SAO 58905 |
| ε Mon | \* A5 | 4.50 |  | R06:23:46.1 D04:35:34.2 *Monoceros* SAO 113810 |
| BL Ori | \* Nb | 4.70 |  | R06:25:28.1 D14:43:19.1 *Orion* SAO 95659 |
| 5 Lyn | \* K2 | 5.50 |  | R06:26:48.9 D58:25:01.9 *Lynx* SAO 25733 |
| HD 45352 | \*A K2III \*B \*C \*D \*E \*F | 6.65 8.18 12.74 12.74 13.65 13.71 | AB 24.80" AC 85.62" AD 90.30" AE 113.64" AF 119.28" | R06:27:46.58 D20:47:22.6 *Gemini* WDS 06278+2047,SAO 78395 |
| β Mon | \* B2e | 4.70 |  | R06:28:49.0 D-07:01:58.4 *Monoceros* SAO 133316 |
| 20 Gem | \*A F8III \*B \*C | 6.31 6.88 13.00 | AB 19.65" BC 48.69" | R06:32:18.52 D17:47:03.4 *Gemini* WDS 06323+1747,SAO 95794 |
| HD 46359 | \*A F5 \*B \*C | 7.93 8.61 12.40 | AB 3.47" AC 130.89" BC 127.54" | R06:34:41.81 D38:32:24.5 *Auriga* WDS 06347+3832,SAO 59239 |
| HD 46482 | \*A G5 \*B | 7.35 8.44 | AB 5.93" | R06:35:22.03 D37:42:55.1 *Auriga* WDS 06353+3743,SAO 59259 |
| ν1 CMa | \* G5 | 5.80 |  | R06:36:22.8 D-18:39:35.8 *Canis Major* SAO 151694 |
| *Sirius* α CMa | \* A0 | -1.60 |  | R06:45:08.9 D-16:42:58.1 *Canis Major* *Dog Star* SAO 151881 |
| 12 Lyn | \* A2 | 4.90 |  | R06:46:14.1 D59:26:30.4 *Lynx* SAO 25939 |
| ψ5 Aur | \* G0 | 5.30 |  | R06:46:44.3 D43:34:38.8 *Auriga* SAO 41330 |
| HR 2528 | \*A A0/1V \*B \*C \*D | 6.56 7.93 8.28 13.00 | AB 1.83" AC 30.27" AD 30.55" | R06:49:44.00 D-24:04:33.7  WDS 06497-2405,SAO 172389 |
| e Gem | \* F0 | 4.70 |  | R06:54:38.7 D13:10:39.9 *Gemini* SAO 96265 |
| 17 CMa | \* A2 | 5.80 |  | R06:55:02.7 D-20:24:16.9 *Canis Major* SAO 172569 |
| π CMa | \* F5 | 4.60 |  | R06:55:37.4 D-20:08:11.2 *Canis Major* SAO 172579 |
| μ CMa | \* G5 | 5.20 |  | R06:56:06.6 D-14:02:36.5 *Canis Major* SAO 152123 |
| *Adhara* ε CMa | \* B1 | 1.60 |  | R06:58:37.6 D-28:58:19.4 *Canis Major* SAO 172676 |
| *Mekbuda* ζ Gem | \* G0p | 3.90 |  | R07:04:06.5 D20:34:13.0 *Gemini* SAO 79031 |
| HR 2764 | \* K5 | 4.80 |  | R07:16:36.8 D-23:18:56.2 *Canis Major* SAO 173349 |
| *Alkibash* λ Gem | \* A2 | 3.60 |  | R07:18:05.6 D16:32:25.4 *Gemini* SAO 96746 |
| τ CMa | \* Oe5 | 4.40 |  | R07:18:42.4 D-24:57:15.2 *Canis Major* SAO 173446 |
| *Wasat* δ Gem | \* F0 | 3.50 |  | R07:20:07.4 D21:58:56.4 *Gemini* SAO 79294 |
| 19 Lyn | \* B8 | 5.60 |  | R07:22:52.1 D55:16:53.1 *Lynx* SAO 26312 |
| HD 58782 | \*A A2 \*B | 8.61 9.35 | AB 10.30" | R07:27:22.75 D08:45:14.0 *Canis Major* WDS 07274+0845 |
| HR 2868 | \*A F7V \*B \*C \*D \*E \*F | 6.39 7.60 11.80 13.15 13.47 11.45 | AB 1.80" AC 21.48" AD 66.89" AE 108.30" AF 1072.32" | R07:29:21.91 D-14:59:53.4 *Puppis* WDS 07294-1500,SAO 152943 |
| HD 59538 | \*A B9 \*B | 7.12 8.64 | AB 3.93" | R07:30:33.61 D05:15:16.8 *Canis Major* WDS 07306+0515,SAO 115532 |
| BD +23\_1744 | \*A G8III \*B | 6.62 8.21 | AB 11.60" | R07:32:50.63 D22:53:15.4 *Gemini* WDS 07328+2253 |
| *Castor* α Gem | \* A0 | 1.60 |  | R07:34:36.0 D31:53:18.5 *Gemini* SAO 60198 |
| *Al Kirkab* κ Gem | \* G5 | 3.70 |  | R07:44:26.9 D24:23:52.7 *Gemini* SAO 79653 |
| *Pollux* β Gem | \* K0 | 1.20 |  | R07:45:18.9 D28:01:34.3 *Gemini* SAO 79666 |
| HD 61907 | \*A F2 \*B | 7.78 7.80 | AB 14.88" | R07:45:52.47 D65:09:28.1 *Camelopardalis* WDS 07459+6509,SAO 14312 |
| HD 63536 | \*A G0 \*B | 7.81 9.19 | AB 21.45" | R07:49:29.79 D03:13:15.6 *Canis Major* WDS 07495+0313,SAO 115981 |
| HR 3177 | \*A G1Ib \*B \*C | 6.26 8.44 11.00 | AB 21.93" AC 27.79" BC 13.55" | R08:05:44.88 D-33:34:09.9 *Puppis* WDS 08057-3334,SAO 198791 |
| *Tegmen* ζ1 Cnc | \* G0 | 5.10 |  | R08:12:12.7 D17:38:51.9 *Cancer* SAO 97645 |
| φ2 Cnc | \* A2 | 6.30 |  | R08:26:46.8 D26:56:03.7 *Cancer* SAO 80187 |
| HR 3396 | \*A F8V \*B G5V \*C \*D \*E \*F \*G | 5.98 7.16 10.70 11.91 9.60 14.60 12.30 | AB 9.86" AC 99.50" AD 109.72" AE 113.04" AF 46.00" AG 118.80" EG 11.80" | R08:35:51.05 D06:37:13.9  WDS 08358+0637,SAO 116931 |
| HR 3395 | \*A F8V \*B G5V \*C \*D \*E \*F \*G | 5.98 7.16 10.70 11.91 9.60 14.60 12.30 | AB 9.86" AC 99.50" AD 109.72" AE 113.04" AF 46.00" AG 118.80" EG 11.80" | R08:35:51.05 D06:37:13.9 *Cancer* WDS 08358+0637,SAO 116929 |
| VZ Cnc | \* F0 | 8.10 |  | R08:40:52.1 D09:49:26.7 *Cancer* SAO 98035 |
| ι Cnc | \* G5 | 4.20 |  | R08:46:41.8 D28:45:35.8 *Cancer* SAO 80416 |
| ε Hya | \* F8 | 3.50 |  | R08:46:46.6 D06:25:07.5 *Hydra* SAO 117112 |
| HD 75353 | \*A F8 \*B \*C \*D | 7.59 7.76 12.41 14.60 | AB 3.48" AC 49.00" CD 18.94" | R08:50:44.28 D35:04:15.4 *Lynx* WDS 08508+3504,SAO 61077 |
| *Copernicus* ρ1 Cnc | \* K0 | 6.10 |  | R08:52:35.8 D28:19:50.8  SAO 80478 |
| 57 Cnc | \* K0 | 5.60 |  | R08:54:14.7 D30:34:45.7  SAO 61125 |
| τ Cnc | \* G5 | 5.40 |  | R09:08:00.1 D29:39:14.9 *Cancer* SAO 80650 |
| 38 Lyn | \* A2 | 3.80 |  | R09:18:50.7 D36:48:09.5 *Lynx* SAO 61391 |
| ζ1 Ant | \*A A1V \*B A1V | 6.15 6.83 | AB 8.07" | R09:30:46.09 D-31:53:21.2 *Antlia* WDS 09308-3153,SAO 200444 |
| HD 82767 | \*A F2V \*B \*C | 6.98 7.98 8.42 | AB 24.89" AC 116.64" BC 141.61" | R09:35:22.50 D39:57:47.7 *Lynx* WDS 09354+3958,SAO 42930 |
| SAO 42932 | \*A F2V \*B \*C | 6.98 7.98 8.42 | AB 24.89" AC 116.64" BC 141.61" | R09:35:22.50 D39:57:47.7 *Lynx* WDS 09354+3958,SAO 42932 |
| R Leo | \* M7e | 5.00 |  | R09:47:33.5 D11:25:43.5 *Leo* SAO 98769 |
| *Regulus* α Leo | \* B8 | 1.30 |  | R10:08:22.3 D11:58:02.0 *Leo* *Basilicus*,*Kalb* SAO 98967 |
| *Algieba* γ1 Leo | \* K0 | 2.60 |  | R10:19:58.3 D19:50:29.9 *Leo* *Juba* SAO 81298 |
| δ Ant | \* B9 | 5.60 |  | R10:29:35.4 D-30:36:25.8 *Antlia* SAO 201442 |
| HR 4122 | \*A K5III \*B F6V \*C | 6.51 8.81 10.14 | AB 2.77" AC 62.21" | R10:30:58.78 D-07:38:15.2 *Sextans* WDS 10310-0738,SAO 137614 |
| U Hya | \* Nb | 4.80 |  | R10:37:33.2 D-13:23:04.0  SAO 156110 |
| 35 Sex | \* K0 | 6.30 |  | R10:43:20.9 D04:44:51.9 *Sextans* SAO 118449 |
| V Hya | \*A N6 \*B | 8.05 11.55 | AB 47.17" | R10:51:37.26 D-21:15:00.4  WDS 10516-2115,SAO 179278 |
| 54 Leo | \* A0 | 6.30 |  | R10:55:37.3 D24:44:55.6 *Leo* SAO 81584 |
| *Lalande 21185* HD 95735 | \* Mb | 7.60 |  | R11:03:20.2 D35:58:13.3 *Ursa Major* SAO 62377 |
| *Alula Australis* ξ UMa | \* G0 | 3.90 |  | R11:18:10.9 D31:31:45.2 *Ursa Major* SAO 62484 |
| γ Crt | \* A5 | 4.10 |  | R11:24:52.9 D-17:41:02.5 *Crater* SAO 156661 |
| τ Leo | \* K0 | 5.20 |  | R11:27:56.3 D02:51:22.2  SAO 118875 |
| 88 Leo | \* G0 | 6.10 |  | R11:31:44.9 D14:21:52.2 *Leo* SAO 99648 |
| 17 Crt | \* G0 | 5.90 |  | R11:32:16.1 D-29:15:48.4 *Hydra* SAO 179967 |
| 90 Leo | \* B3 | 6.00 |  | R11:34:42.5 D16:47:49.4 *Leo* SAO 99673 |
| 2 Com | \* F0 | 5.80 |  | R12:04:16.6 D21:27:33.1 *Coma* SAO 82123 |
| HD 106365 | \*A G5 \*B \*C | 6.99 8.61 13.80 | AB 26.84" BC 2.97" | R12:14:06.61 D32:47:03.2 *Coma* WDS 12141+3247,SAO 62904 |
| 2 CVn | \* K5 | 5.90 |  | R12:16:07.6 D40:39:36.6 *Canes* SAO 44097 |
| HD 106799 | \*A F1V \*B F3V \*C | 7.24 7.78 12.36 | AB 14.50" AC 47.87" | R12:16:11.66 D80:07:30.3 *Camelopardalis* WDS 12162+8008,SAO 2009 |
| HR 4678 | \*A F2V \*B F3V | 6.55 6.90 | AB 19.92" | R12:18:09.57 D-03:56:55.6 *Virgo* WDS 12182-0357,SAO 138704 |
| 17 Vir | \* F8 | 6.50 |  | R12:22:32.0 D05:18:19.5 *Virgo* SAO 119360 |
| *Algorab* δ Crv | \* A0 | 3.10 |  | R12:29:51.9 D-16:30:55.6 *Corvus* SAO 157323 |
| HR 4758 | \*A F9V \*B \*C \*D | 6.49 9.58 10.60 11.60 | AB 2.14" AC 71.30" AD 71.20" | R12:30:04.77 D-13:23:35.5  WDS 12301-1324,SAO 157326 |
| 24 Com | \* K0 | 5.20 |  | R12:35:07.8 D18:22:37.4 *Coma* SAO 100160 |
| VV Crv | \* F5 | 6.10 |  | R12:41:16.0 D-13:00:48.7 *Corvus* SAO 157447 |
| *Porrima* γ Vir | \* F0 | 2.90 |  | R12:41:39.6 D-01:26:57.7  SAO 138917 |
| *La Superba* Y CVn | \* N3 | 5.40 |  | R12:45:07.9 D45:26:25.1 *Canes* SAO 44317 |
| HR 4892 | \*A A1IIIsh \*B \*C | 5.29 5.74 11.50 | AB 21.32" AC 73.32" | R12:49:13.80 D83:24:46.3 *Camelopardalis* WDS 12492+8325,SAO 2101 |
| HR 4893 | \*A A1IIIsh \*B \*C | 5.29 5.74 11.50 | AB 21.32" AC 73.32" | R12:49:13.80 D83:24:46.3 *Camelopardalis* WDS 12492+8325,SAO 2102 |
| 35 Com | \* K0 | 5.10 |  | R12:53:17.8 D21:14:41.5 *Coma* SAO 82550 |
| *Cor Caroli* α1 CVn | \* A0p | 5.40 |  | R12:56:00.4 D38:18:53.4 *Canes* SAO 63256 |
| θ Vir | \* A0 | 4.50 |  | R13:09:57.0 D-05:32:20.4 *Virgo* SAO 139189 |
| 54 Vir | \* A0 | 6.80 |  | R13:13:26.8 D-18:49:36.1 *Virgo* SAO 157798 |
| HD 115404 | \*A K1V \*B M1V \*C \*D | 6.66 9.50 12.60 13.30 | AB 7.80" AC 127.69" AD 35.43" | R13:16:51.05 D17:01:01.9 *Coma* WDS 13169+1701,SAO 100491 |
| *Mizar* ζ UMa | \* A2 | 4.00 |  | R13:23:56.4 D54:55:18.2 *Ursa Major* SAO 28738 |
| HD 119702 | \*A A7V \*B \*C | 6.71 10.26 9.15 | AB 25.76" AC 43.75" BC 27.41" | R13:40:40.82 D76:50:37.6  WDS 13407+7651,SAO 7867 |
| 84 Vir | \* K0 | 5.60 |  | R13:43:03.7 D03:32:16.6 *Virgo* SAO 120082 |
| 3 Cen | \* B5 | 4.70 |  | R13:51:49.6 D-32:59:39.8 *Centaurus* SAO 204916 |
| h Cen | \* B5 | 4.80 |  | R13:53:12.5 D-31:55:39.6 *Centaurus* SAO 204944 |
| HR 5233 | \*A F8V \*B G0 \*C \*D \*E G0V | 6.68 7.26 10.80 11.69 12.43 | AB 3.65" AC 112.28" AD 143.53" AE 647.08" | R13:54:58.20 D-08:03:31.9 *Virgo* WDS 13550-0804,SAO 139618 |
| *Asellus Tertius* κ1 Boo | \* A5 | 6.60 |  | R14:13:27.7 D51:47:15.6 *Bootes* SAO 29045 |
| *Asellus Tertius* κ2 Boo | \* A5 | 4.60 |  | R14:13:29.0 D51:47:24.6  SAO 29046 |
| *Asellus Secundus* ι Boo | \* A5 | 4.90 |  | R14:16:09.9 D51:22:02.1 *Bootes* SAO 29071 |
| HR 5346 | \*A F6V \*B | 6.47 8.42 | AB 4.39" | R14:16:32.84 D20:07:18.7 *Bootes* WDS 14165+2007,SAO 83259 |
| HR 5386 | \*A A0V \*B F0V \*C F2V | 5.03 7.40 7.70 | BC 0.25" | R14:23:22.74 D08:26:47.9 *Bootes* WDS 14234+0827,SAO 120426 |
| φ Vir | \* K0 | 5.00 |  | R14:28:12.2 D-02:13:40.6 *Virgo* SAO 139951 |
| π1 Boo | \* A0 | 4.90 |  | R14:40:43.6 D16:25:06.1 *Bootes* SAO 101138 |
| π2 Boo | \* A0 | 5.80 |  | R14:40:43.9 D16:25:03.9  SAO 101139 |
| ζ Boo | \* A2 | 3.90 |  | R14:41:08.9 D13:43:41.9 *Bootes* SAO 101145 |
| *Izar* ε Boo | \* K0 | 2.70 |  | R14:44:59.2 D27:04:27.1 *Bootes* *Pulcherrima* SAO 83500 |
| m Hya | \*A F2V \*B \*C G1 \*D M4 | 5.12 7.25 17.47 10.90 | AB 8.30" AC 530.57" AD 26.42" | R14:46:00.08 D-25:26:35.4 *Hydra* WDS 14460-2527,SAO 182856 |
| *Zubenelgenubi* α2 Lib | \* A3 | 2.90 |  | R14:50:52.7 D-16:02:30.4 *Libra* *Zuben Elgenubi* SAO 158840 |
| ξ Boo | \* G5 | 4.60 |  | R14:51:23.3 D19:06:04.0 *Bootes* SAO 101250 |
| *Lalande 27173* KX Lib | \* K5 | 6.00 |  | R14:57:28.1 D-21:24:56.1 *Libra* SAO 183040 |
| δ Boo | \* K0 | 3.50 |  | R15:15:30.2 D33:18:53.3  SAO 64589 |
| 5 Ser | \* G0 | 5.20 |  | R15:19:18.8 D01:45:55.4 *Serpens Cauda* SAO 120946 |
| 50 Boo | \* B9 | 5.40 |  | R15:21:48.6 D32:56:01.6  SAO 64656 |
| *Alkalurops* μ1 Boo | \* F0 | 4.50 |  | R15:24:29.4 D37:22:37.8  SAO 64686 |
| *Alkalurops* μ2 Boo | \* K0 | 6.70 |  | R15:24:30.9 D37:20:51.6 *Bootes* SAO 64687 |
| HR 5829 | \*A G0IV-V \*B \*C \*D \*E | 6.64 7.30 11.40 20.10 20.30 | AB 31.85" AC 187.00" BD 6.85" BE 7.36" | R15:29:11.19 D80:26:55.0  WDS 15292+8027,SAO 2556 |
| ν2 Boo | \* A2 | 5.00 |  | R15:31:47.0 D40:53:58.0  SAO 45590 |
| δ Ser | \* F0 | 4.20 |  | R15:34:48.1 D10:32:21.0 *Serpens Caput* SAO 101624 |
| HR 5816 | \*A F8V \*B F8V | 6.44 6.49 | AB 11.56" | R15:38:40.08 D-08:47:29.4 *Libra* WDS 15387-0847,SAO 140672 |
| ζ1 CrB | \* B8 | 6.00 |  | R15:39:22.2 D36:38:11.8 *Corona Borealis* SAO 64833 |
| ζ2 CrB | \* B8 | 5.10 |  | R15:39:22.7 D36:38:09.0  SAO 64834 |
| HR 5831 | \*A G7.5IIIa \*B | 6.32 10.07 | AB 15.04" | R15:40:10.35 D12:03:10.6 *Serpens Cauda* WDS 15402+1203,SAO 101673 |
| β Ser | \* A2 | 3.70 |  | R15:46:11.3 D15:25:18.5 *Serpens Cauda* SAO 101725 |
| *Variabilis Coronae* R CrB | \* G0p | 5.80 |  | R15:48:34.4 D28:09:24.1  SAO 84015 |
| δ CrB | \* G5 | 4.70 |  | R15:49:35.7 D26:04:05.7 *Corona Borealis* SAO 84019 |
| ξ Sco | \* F8 | 4.20 |  | R16:04:22.1 D-11:22:23.5 *Scorpius* SAO 159665 |
| *Graffias* β1 Sco | \* B1 | 2.90 |  | R16:05:26.2 D-19:48:19.4 *Scorpius* *Acrab* SAO 159682 |
| *Marsic* κ Her | \* G5 | 5.30 |  | R16:08:04.5 D17:02:48.9 *Hercules* SAO 101951 |
| *Jabbah* ν Sco | \* B3 | 4.30 |  | R16:11:59.7 D-19:27:38.1 *Scorpius* SAO 159764 |
| c1 Sco | \* B9 | 5.70 |  | R16:12:15.9 D-28:25:02.6 *Scorpius* SAO 184217 |
| σ CrB | \* G0 | 5.40 |  | R16:14:40.8 D33:51:30.7 *Corona Borealis* SAO 65165 |
| γ Her | \* F0 | 3.80 |  | R16:21:55.2 D19:09:11.3 *Hercules* SAO 102107 |
| ξ CrB | \* K0 | 4.70 |  | R16:22:05.8 D30:53:31.7 *Corona Borealis* SAO 65254 |
| ρ Oph | \* B5 | 5.90 |  | R16:25:35.1 D-23:26:46.0 *Ophiuchus* SAO 184381 |
| *Antares* α Sco | \* +++ | 1.10 |  | R16:29:24.4 D-26:25:55.2 *Scorpius* SAO 184415 |
| 17 Dra | \*A B9.5V \*B \*C \*D | 5.38 6.42 5.50 11.19 | AB 3.09" AC 89.30" BC 91.47" CD 123.92" | R16:36:13.72 D52:55:27.8 *Draco* WDS 16362+5255 |
| 56 Her | \* K0 | 6.30 |  | R16:55:02.1 D25:43:50.3 *Hercules* SAO 84692 |
| *Arrakis* μ Dra | \* F5 | 5.10 |  | R17:05:19.8 D54:28:13.3 *Draco* *Errakis* SAO 30239 |
| *Rasalgethi* α Her | \* Mb | 3.50 |  | R17:14:38.9 D14:23:25.3  *Ras Algethi*,*Rasalegti* SAO 102680 |
| *Rasalgethi* α2 Her | \* Mb | 5.40 |  | R17:14:39.2 D14:23:24.1 *Hercules* *Ras Algethi* SAO 102681 |
| *Sarin* δ Her | \* A2 | 3.20 |  | R17:15:01.9 D24:50:21.2 *Hercules* SAO 84951 |
| 36 Oph | \* K0 | 5.30 |  | R17:15:20.8 D-26:36:04.5 *Ophiuchus* SAO 185198 |
| HD 156890 | \*A F3III \*B \*C | 6.93 9.97 9.78 | AB 9.80" AC 137.29" | R17:16:04.88 D60:42:49.7 *Draco* WDS 17161+6043,SAO 17410 |
| Oph | \* K0 | 5.40 |  | R17:18:00.7 D-24:17:13.1 *Ophiuchus* SAO 185238 |
| ν Ser | \* A0 | 4.40 |  | R17:20:49.7 D-12:50:48.3 *Serpens Caput* SAO 160479 |
| ρ Her | \* A0 | 5.50 |  | R17:23:40.7 D37:08:48.2 *Hercules* SAO 66000 |
| *Kuma* ν1 Dra | \* A5 | 5.00 |  | R17:32:10.5 D55:11:03.5  WDS 17323+5510,SAO 30447 |
| *Kuma* ν2 Dra | \* A5 | 5.00 |  | R17:32:16.0 D55:10:22.6 *Draco* SAO 30450 |
| *Dziban* ψ1 Dra | \* F5 | 6.10 |  | R17:41:57.9 D72:09:24.7 *Draco* SAO 8891 |
| 61 Oph | \* A0 | 6.30 |  | R17:44:34.1 D02:34:45.7 *Ophiuchus* SAO 122690 |
| μ Her | \* G5 | 3.50 |  | R17:46:27.6 D27:43:14.6 *Hercules* SAO 85397 |
| *Barnard's Star* V2500 Oph | \* | 9.53 |  | R17:58:41.59 D04:41:39.8 *Ophiuchus* |
| 41 Dra | \* F5 | 5.80 |  | R18:00:09.2 D80:00:14.6 *Draco* SAO 8996 |
| 67 Oph | \* B5p | 4.00 |  | R18:00:38.7 D02:55:53.5 *Ophiuchus* SAO 123013 |
| 95 Her | \* A3 | 5.10 |  | R18:01:30.4 D21:35:44.2 *Hercules* SAO 85648 |
| 70 Oph | \* K0 | 4.10 |  | R18:05:27.4 D02:29:58.3 *Ophiuchus* SAO 123107 |
| 100 Her | \* A3 | 5.90 |  | R18:07:49.5 D26:06:05.0 *Hercules* SAO 85753 |
| HD 168459 | \*A F2V \*B | 6.62 9.25 | AB 1.58" | R18:20:05.15 D-07:58:52.9 *Serpens Caput* WDS 18201-0759,SAO 142229 |
| HD 168815 | \*A G9IV-V \*B \*C ... | 8.08 8.61 9.01 | AB 9.28" BC 0.95" | R18:22:13.89 D-15:05:17.8 *Scutum* WDS 18222-1505,SAO 161390 |
| b Dra | \* A2 | 4.90 |  | R18:23:54.5 D58:48:02.3 *Draco* SAO 30949 |
| 21 Sgr | \* +++ | 5.00 |  | R18:25:21.0 D-20:32:30.0 *Sagittarius* SAO 186794 |
| d Ser | \*A G0III \*B A6V | 5.38 7.62 | AB 3.70" | R18:27:12.51 D00:11:46.1 *Serpens Caput* WDS 18272+0012 |
| *Vega* α Lyr | \* A0 | 0.10 |  | R18:36:56.3 D38:47:01.2 *Lyra* SAO 67174 |
| δ Sct | \* F0 | 4.70 |  | R18:42:16.4 D-09:03:09.2 *Scutum* SAO 142515 |
| *Double Double* ε2 Lyr | \* A5 | 4.50 |  | R18:44:22.9 D39:36:46.5 *Lyra* SAO 67315 |
| ζ1 Lyr | \* A3 | 4.30 |  | R18:44:46.4 D37:36:18.4 *Lyra* SAO 67321 |
| HD 173457 | \*A F2 \*B | 7.39 8.43 | AB 4.17" | R18:45:51.33 D-10:29:34.1 *Scutum* WDS 18459-1030,SAO 161805 |
| *Sheliak* β Lyr | \* +++ | 3.90 |  | R18:50:04.8 D33:21:45.8 *Lyra* SAO 67451 |
| S Sct | \* Nb | 7.00 |  | R18:50:20.0 D-07:54:26.6 *Scutum* SAO 142674 |
| Dra | \* K0 | 4.90 |  | R18:51:12.1 D59:23:18.1 *Draco* SAO 31218 |
| δ1 Lyr | \* B3 | 5.50 |  | R18:53:43.6 D36:58:18.1 *Lyra* SAO 67537 |
| HR 7140 | \*A A8 \*B G5III \*C \*D | 6.14 9.12 7.60 11.03 | AB 1.79" AC 45.51" AD 215.25" CD 192.39" | R18:54:52.52 D33:58:06.9 *Lyra* WDS 18549+3358,SAO 67566 |
| 13 Lyr | \* M3 | 4.30 |  | R18:55:20.1 D43:56:46.1 *Lyra* SAO 47919 |
| *Alya* θ1 Ser | \* A5 | 4.50 |  | R18:56:13.2 D04:12:12.9 *Serpens Caput* SAO 124068 |
| 11 Aql | \* F5 | 5.40 |  | R18:59:05.7 D13:37:20.5 *Aquila* SAO 104308 |
| V Aql | \*A C5II \*B | 7.21 7.35 | AB 0.17" | R19:04:24.15 D-05:41:05.4 *Aquila* WDS 19044-0541,SAO 142985 |
| HD 177648 | \*A B2Ve \*B \*C \*D | 7.25 8.57 8.46 11.19 | AB 12.34" AC 144.18" AD 56.20" BC 154.80" | R19:04:38.50 D23:19:45.5 *Vulpecula* WDS 19046+2320,SAO 86774 |
| h Aql | \* K0 | 5.50 |  | R19:04:57.6 D-04:01:53.3 *Aquila* SAO 142996 |
| γ CrA | \* F8 | 4.30 |  | R19:06:25.1 D-37:03:47.8 *Corona Borealis* SAO 210928 |
| HD 178211 | \*A F4IV \*B \*C | 7.42 9.44 12.30 | AB 9.62" AC 99.22" | R19:06:53.00 D22:10:21.5 *Vulpecula* WDS 19069+2210,SAO 86821 |
| HD 178277 | \*A A7IV \*B | 7.46 9.52 | AB 10.40" | R19:07:08.02 D22:35:03.7 *Vulpecula* WDS 19071+2235,SAO 86828 |
| HD 178849 | \*A B5V \*B | 7.03 8.44 | AB 13.81" | R19:08:45.20 D34:45:37.1 *Lyra* WDS 19088+3446,SAO 67870 |
| 23 Aql | \* K0 | 5.30 |  | R19:18:32.5 D01:05:06.6 *Aquila* SAO 124487 |
| U Sge | \*A B9V \*B | 6.50 9.68 | AB 91.80" | R19:18:48.41 D19:36:37.7 *Sagitta* WDS 19188+1937,SAO 104711 |
| UX Dra | \* Nb | 5.80 |  | R19:21:35.4 D76:33:34.6 *Draco* SAO 9404 |
| RR Lyr | \* F5 | 7.20 |  | R19:25:27.8 D42:47:04.5 *Lyra* SAO 48421 |
| HR 7391 | \*A K5III \*B \*C \*D \*E | 5.82 10.50 10.54 10.57 14.50 | AB 29.10" AC 75.05" AD 152.08" AE 28.21" | R19:26:28.69 D19:53:29.8 *Vulpecula* WDS 19265+1953,SAO 104839 |
| HR 7398 | \*A K2III \*B | 5.61 8.82 | AB 7.46" | R19:29:52.18 D-26:59:08.2 *Sagittarius* WDS 19299-2659,SAO 188192 |
| *Albireo* β1 Cyg | \* +++ | 3.20 |  | R19:30:43.3 D27:57:34.6 *Cygnus* SAO 87301 |
| HD 184360 | \*A A3 \*B \*C | 7.52 9.23 12.80 | AB 5.05" AC 153.20" | R19:33:17.05 D20:24:50.5 *Vulpecula* WDS 19333+2025,SAO 87342 |
| ε Sge | \* K0 | 5.70 |  | R19:37:17.4 D16:27:46.1  SAO 105061 |
| V340 Sge | \* K5 | 6.60 |  | R19:39:25.4 D16:34:17.0 *Sagitta* SAO 105104 |
| e1 Sgr | \* K0 | 5.50 |  | R19:40:43.4 D-16:17:35.4 *Sagittarius* SAO 162883 |
| 16 Cyg | \* G0 | 6.30 |  | R19:41:48.9 D50:31:30.7 *Cygnus* SAO 31898 |
| *Al Fawaris* δ Cyg | \* A0 | 3.00 |  | R19:44:58.5 D45:07:50.7 *Cygnus* *Rukh*,*Urakhga* SAO 48796 |
| 17 Cyg | \* F5 | 5.00 |  | R19:46:25.6 D33:43:39.6 *Cygnus* SAO 68827 |
| ζ Sge | \* A2 | 5.00 |  | R19:48:58.7 D19:08:31.5 *Sagitta* SAO 105298 |
| 57 Aql | \* B | 6.50 |  | R19:54:38.1 D-08:14:13.5 *Aquila* SAO 143899 |
| V1357 Cyg | \* G5 | 8.60 |  | R19:58:21.6 D35:12:04.8 *Cygnus* SAO 69181 |
| θ Sge | \* F2 | 6.30 |  | R20:09:56.6 D20:54:54.5 *Sagitta* SAO 88276 |
| 30 Cyg | \* A2 | 5.00 |  | R20:13:18.0 D46:48:56.5 *Cygnus* SAO 49332 |
| 1 Cyg | \* +++ | 4.00 |  | R20:13:37.9 D46:44:28.9  SAO 49337 |
| HR 7723 | \*A A1m \*B | 6.72 9.18 | AB 2.83" | R20:13:40.56 D24:14:20.5 *Vulpecula* WDS 20137+2414,SAO 88377 |
| HR 7760 | \*A G8III \*B | 6.37 10.50 | AB 6.12" | R20:17:31.54 D29:08:51.0 *Vulpecula* WDS 20175+2909,SAO 88473 |
| *Algedi Secunda* α2 Cap | \* G5 | 3.80 |  | R20:18:03.3 D-12:32:41.3 *Capricornus* *Giedi Secunda*,*Giedi* SAO 163427 |
| σ Cap | \* K0 | 5.50 |  | R20:19:23.6 D-19:07:06.5 *Capricornus* SAO 163445 |
| *Okul* π Cap | \* B8 | 5.20 |  | R20:27:19.2 D-18:12:42.2 *Capricornus* SAO 163592 |
| Cap | \* A2 | 6.10 |  | R20:29:53.9 D-18:34:59.6 *Capricornus* SAO 163626 |
| SAO 106301 | \*A A5 \*B \*C \*D | 8.35 8.42 8.76 12.78 | AB 25.26" AC 77.77" AD 84.73" BC 67.01" | R20:36:49.41 D14:43:42.4 *Delphinus* SAO 106301,WDS 20368+1444 |
| κ Del | \* G5 | 5.20 |  | R20:39:07.8 D10:05:10.1 *Delphinus* SAO 126059 |
| OR Del | \*A K0 \*B | 7.54 8.20 | AB 6.19" | R20:46:13.31 D15:54:26.4 *Delphinus* WDS 20462+1554,SAO 106466 |
| γ1 Del | \* F8 | 5.20 |  | R20:46:38.7 D16:07:27.6 *Delphinus* SAO 106475 |
| γ2 Del | \* G5 | 4.50 |  | R20:46:39.5 D16:07:27.4 *Delphinus* SAO 106476 |
| α Mic | \* K0 | 5.00 |  | R20:49:58.1 D-33:46:47.3 *Microscopium* SAO 212472 |
| ε Equ | \* F5 | 5.30 |  | R20:59:04.4 D04:17:37.0 *Equuleus* SAO 126428 |
| HD 200256 | \*A F8 \*B | 7.41 7.64 | AB 2.94" | R21:02:12.51 D07:10:47.3  WDS 21022+0711,SAO 126482 |
| 12 Aqr | \* F5 | 5.90 |  | R21:04:04.7 D-05:49:23.0 *Aquarius* SAO 145065 |
| 61 Cyg | \* K5 | 5.40 |  | R21:06:54.6 D38:44:44.8 *Cygnus* SAO 70919 |
| HD 203067 | \*A A3IV \*B | 7.49 8.20 | AB 2.82" | R21:19:39.36 D09:31:30.3 *Equuleus* WDS 21197+0931,SAO 126707 |
| HR 8148 | \* G5 | 6.50 |  | R21:19:45.8 D-26:21:10.6 *Capricornus* SAO 190236 |
| HD 203943 | \*A A5IV-V \*B \*C | 8.17 8.30 8.98 | AB 0.10" | R21:25:05.66 D09:23:02.6  WDS 21251+0923,SAO 126783 |
| 69 Cyg | \* B0 | 5.80 |  | R21:25:47.0 D36:40:03.1  SAO 71329 |
| STT 440 | \*A M3III \*B | 6.34 10.42 | AB 8.90" | R21:27:25.28 D59:45:00.3 *Cepheus* WDS 21274+5945 |
| *Alfirk* β Cep | \* B1 | 3.30 |  | R21:28:39.6 D70:33:38.7 *Cepheus* *Alphirk* SAO 10057 |
| HR 8263 | \*A A2III \*B F5V \*C | 6.22 9.36 13.84 | AB 31.12" AC 37.75" | R21:37:33.76 D-00:23:26.0  WDS 21376-0023,SAO 145533 |
| HR 8281 | \*A O6f \*B \*C \*D \*E | 5.73 13.30 7.48 7.53 13.19 | AB 1.74" AC 11.90" AD 20.70" CD 30.31" DE 55.22" | R21:38:57.61 D57:29:20.5 *Cepheus* WDS 21390+5729,SAO 33626 |
| 79 Cyg | \*A A0V \*B \*C \*D | 5.69 7.00 10.24 13.90 | AB 149.47" AC 135.29" BD 33.67" | R21:43:25.63 D38:17:01.0  WDS 21434+3817,SAO 71643 |
| *Garnet Star* μ Cep | \* M0 | 4.00 |  | R21:43:30.4 D58:46:48.1 *Cepheus* *Erakis* SAO 33693 |
| μ1 Cyg | \* F5 | 4.70 |  | R21:44:08.6 D28:44:34.3  SAO 89940 |
| *Enif* ε Peg | \* K0 | 2.50 |  | R21:44:11.2 D09:52:30.0 *Pegasus* SAO 127029 |
| HD 208063 | \*A B6IV-V \*B \*C | 5.64 6.42 13.10 | AB 17.90" AC 55.29" | R21:52:01.02 D55:47:48.3 *Cepheus* WDS 21520+5548,SAO 33817 |
| HR 8364 | \*A K0III \*B K0III \*C .. | 6.45 8.80 9.00 | BC 0.14" | R21:54:17.44 D19:43:05.3 *Pegasus* WDS 21543+1943,SAO 107489 |
| HR 8363 | \*A F5IV \*B \*C | 6.29 9.52 15.16 | AB 15.98" AC 143.80" | R21:54:35.91 D-03:18:04.5 *Aquarius* WDS 21546-0318,SAO 145735 |
| HD 208718 | \*A Am \*B F2V | 7.21 7.73 | AB 10.85" | R21:58:01.45 D05:56:25.3 *Pegasus* WDS 21580+0556,SAO 127198 |
| 29 Aqr | \* | 7.40 |  | R22:02:26.3 D-16:57:53.8 *Aquarius* SAO 164829 |
| *Alkurah* ξ Cep | \* A3 | 4.60 |  | R22:03:47.4 D64:37:40.2 *Cepheus* *Al Kurhah*,*Alkirdah*,*Al Kirduh* SAO 19827 |
| π1 Peg | \* K0 | 5.60 |  | R22:09:13.6 D33:10:20.5  SAO 72064 |
| HD 210772 | \*A F8 \*B | 8.06 9.81 | AB 11.84" | R22:11:58.63 D37:39:04.2 *Lacerta* WDS 22120+3739,SAO 72119 |
| 41 Aqr | \* G5 | 5.50 |  | R22:14:18.0 D-21:04:27.3 *Aquarius* SAO 190986 |
| HD 211076 | \*A K4IV \*B \*C \*D | 6.65 9.23 12.42 11.31 | AB 23.58" AC 97.27" AD 101.24" BC 75.48" BD 97.88" | R22:14:18.40 D17:11:21.6 *Pegasus* WDS 22143+1711,SAO 107756 |
| HR 8510 | \*A A8III \*B \*C \*D \*E | 6.21 8.85 13.50 11.17 12.56 | AB 16.10" AC 48.38" AD 225.19" AE 66.50" BD 210.47" | R22:18:56.21 D37:46:09.4 *Lacerta* WDS 22189+3746,SAO 72228 |
| BD +37\_4537p | \*A A8III \*B \*C \*D \*E | 6.21 8.85 13.50 11.17 12.56 | AB 16.10" AC 48.38" AD 225.19" AE 66.50" BD 210.47" | R22:18:56.21 D37:46:09.4  WDS 22189+3746 |
| HD 212468 | \*A G5 \*B \*C \*D | 7.62 8.22 12.21 13.30 | AB 6.52" AC 124.46" CD 7.76" | R22:23:34.02 D45:20:59.9 *Lacerta* WDS 22236+4521,SAO 51957 |
| 53 Aqr | \* G0 | 6.40 |  | R22:26:34.4 D-16:44:32.5 *Aquarius* SAO 165078 |
| ζ1 Aqr | \* F2 | 4.60 |  | R22:28:49.7 D-00:01:13.0 *Aquarius* SAO 146107 |
| δ Cep | \* +++ | 4.00 |  | R22:29:10.3 D58:24:54.5 *Cepheus* SAO 34508 |
| β PsA | \* A0 | 4.40 |  | R22:31:30.4 D-32:20:45.6 *Piscis Austrinus* SAO 213883 |
| 8 Lac | \* B3p | 5.80 |  | R22:35:52.3 D39:38:03.5 *Lacerta* SAO 72509 |
| HD 214652 | \*A B2V \*B | 6.84 10.80 | AB 16.10" | R22:39:04.59 D37:22:31.6 *Lacerta* WDS 22391+3723,SAO 72569 |
| HD 214600 | \*A K0III \*B \*C | 6.43 7.50 8.61 | AB 85.92" BC 3.03" | R22:39:44.12 D-28:19:32.0  WDS 22397-2820,SAO 191309 |
| *Matar* ζ Peg | \* G0 | 3.10 |  | R22:43:00.1 D30:13:16.5  SAO 90734 |
| 67 Aqr | \* B9 | 6.30 |  | R22:43:14.2 D-06:57:47.1  SAO 146273 |
| τ1 Aqr | \* B9 | 5.70 |  | R22:47:42.8 D-14:03:23.2 *Aquarius* SAO 165298 |
| HR 8723 | \*A B7III \*B | 5.71 9.21 | AB 52.14" | R22:55:44.51 D36:21:05.0  WDS 22557+3621,SAO 72851 |
| 57 Peg | \* Mb | 5.40 |  | R23:09:31.5 D08:40:38.1 *Pegasus* SAO 128001 |
| 2 Cas | \* A3 | 5.60 |  | R23:09:44.1 D59:19:58.5 *Cassiopeia* SAO 35186 |
| ψ1 Aqr | \* K0 | 4.50 |  | R23:15:53.5 D-09:05:15.8 *Aquarius* SAO 146598 |
| 94 Aqr | \* G5 | 5.30 |  | R23:19:06.7 D-13:27:32.0 *Aquarius* SAO 165625 |
| HD 220334 | \*A G2V \*B dK6 \*C | 6.74 9.78 10.86 | AB 5.70" AC 99.74" | R23:22:48.67 D20:33:32.2 *Pegasus* WDS 23228+2034,SAO 91222 |
| Z And | \* Pec | 9.50 |  | R23:33:40.0 D48:49:06.2 *Andromeda* SAO 53146 |
| i2 Aqr | \*A A9IV \*B F2V | 5.65 6.46 | AB 7.09" | R23:46:00.85 D-18:40:42.1 *Aquarius* WDS 23460-1841,SAO 165868 |
| 19 Psc | \* N0 | 5.30 |  | R23:46:23.5 D03:29:12.8  SAO 128374 |
| σ Cas | \* B2 | 4.90 |  | R23:59:00.5 D55:45:17.7 *Cassiopeia* SAO 35947 |
| HR 9074 | \*A F8V \*B \*C | 6.46 6.72 12.80 | AB 2.46" AC 79.45" | R23:59:29.33 D33:43:26.9  WDS 23595+3343,SAO 73656 |