

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 <i>Cassiopeia</i> WDS 00026+6606,SAO 10938
<i>Alpheratz</i> α And	* A0p	2.10		R00:08:23.3 D29:05:25.6 <i>Andromeda</i> SAO 73765
35 Psc	* F0	5.90		R00:14:58.8 D08:49:15.4 <i>Pisces</i> 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 <i>Pisces</i> WDS 00174+0853,SAO 109111
GX And	* M0	8.10		R00:18:22.8 D44:01:21.5 <i>Andromeda</i> SAO 36248
42 Psc	* K0	6.40		R00:22:25.5 D13:28:57.7 <i>Pisces</i> SAO 91866
R And	*A S6.5IIIe *B	12.04 12.37	AB 83.70"	R00:24:01.94 D38:34:37.5 <i>Andromeda</i> WDS 00240+3835,SAO 53860
51 Psc	* A0	5.70		R00:32:23.8 D06:57:20.1 <i>Pisces</i> SAO 109262
π And	* B3	4.50		R00:36:52.9 D33:43:09.6 <i>Andromeda</i> SAO 54033
δ And	* K2	3.50		R00:39:19.7 D30:51:39.7 <i>Andromeda</i> SAO 54058
55 Psc	* K0	5.60		R00:39:55.6 D21:26:17.9 <i>Pisces</i> SAO 74182
<i>Shedar</i> α Cas	* K0	2.50		R00:40:30.5 D56:32:14.4 <i>Cassiopeia</i> <i>Schedar,Shedir,Schedir</i> SAO 21609
<i>Achird</i> ζ Cas	* F8	3.60		R00:49:06.0 D57:48:57.2 <i>Cassiopeia</i> SAO 21732
65 Psc	* F0	6.30		R00:49:53.2 D27:42:36.7 SAO 74296

North Stars (374 objects)

Object	Type	Mag	Size	Information
36 And	* K0	5.60		R00:54:58.0 D23:37:42.1 <i>Andromeda</i> SAO 74359
26 Cet	* F0	6.20		R01:03:49.0 D01:22:00.4 <i>Cetus</i> SAO 109643
ψ 1 Psc	* A2	5.50		R01:05:40.9 D21:28:23.7 <i>Pisces</i> SAO 74482
77 Psc	* F2	6.80		R01:05:49.2 D04:54:29.9 <i>Pisces</i> SAO 109666
ζ Psc	* F8	6.50		R01:13:45.3 D07:34:42.0 <i>Pisces</i> SAO 109740
<i>Titawin</i> ν And	* G0	4.20		R01:36:47.8 D41:24:19.6 <i>Andromeda</i> 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 <i>Aries</i> SAO 74966
<i>Mesarthim</i> γ Ari	* A0p	4.80		R01:53:31.8 D19:17:37.2 <i>Aries</i> SAO 92681
γ 1 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 <i>Andromeda</i> SAO 55107
λ Ari	* A5	4.80		R01:57:55.7 D23:35:45.9 <i>Aries</i> SAO 75051
<i>Alrischa</i> α Psc	* A2p	4.30		R02:02:02.8 D02:45:49.1 <i>Pisces</i> <i>Alrischa, Alrescha, Alresha</i> SAO 110291
ϵ Tri	* A2	5.40		R02:02:58.0 D33:17:02.4 <i>Triangulum</i> SAO 55218
<i>Almach</i> γ 1 And	* K0	2.30		R02:03:54.0 D42:19:47.0 <i>Almaac, Almaak</i> SAO 37734

North Stars (374 objects)

Object	Type	Mag	Size	Information
<i>Almach</i> γ2 And	* A0	5.10		R02:03:54.7 D42:19:51.1 <i>Andromeda</i> <i>Almaac,Almaak</i> 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 <i>Triangulum</i> SAO 55347
66 Cet	* G0	5.70		R02:12:47.5 D-02:23:37.1 <i>Cetus</i> 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
<i>Mira</i> Cet	* M5e	2.00		R02:19:20.7 D-02:58:39.4 <i>Cetus</i> SAO 129825
ι Cas	* A5p	4.60		R02:29:04.0 D67:24:08.5 <i>Cassiopeia</i> 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
<i>Polaris</i> α UMi	* F8v	2.10		R02:31:48.7 D89:15:50.6 <i>Ursa</i> <i>Minor</i> <i>Lodestar,Navigatoria,North Star</i> SAO 308
ω For	* B9	5.00		R02:33:50.7 D-28:13:57.2 <i>Fornax</i> 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 <i>Aries</i> WDS 02370+2439,SAO 75470
33 Ari	* A2	5.40		R02:40:41.1 D27:03:39.0 <i>Aries</i> SAO 75510
84 Cet	* F5	5.70		R02:41:13.9 D-00:41:45.3 <i>Cetus</i> SAO 130055

North Stars (374 objects)

Object	Type	Mag	Size	Information
<i>Kaffaljidhma</i> γ Cet	* A2	3.60		R02:43:18.0 D03:14:08.5 <i>Cetus</i> SAO 110707
θ Per	* F8	4.20		R02:44:12.0 D49:13:42.6 <i>Perseus</i> SAO 38288
π Ari	* B5	5.30		R02:49:17.5 D17:27:51.4 <i>Aries</i> SAO 93127
<i>Miram</i> ζ Per	* K0	4.00		R02:50:41.8 D55:53:43.7 <i>Perseus</i> 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 <i>Aries</i> WDS 02556+2652,SAO 75644
<i>Acamar</i> θ1 Eri	* A2	3.40		R02:58:15.7 D-40:18:17.0 <i>Eridanus</i> SAO 216113
HR 891	*A B7V *B B9V	5.21 6.17	AB 12.03"	R03:00:52.18 D52:21:06.5 <i>Perseus</i> 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 <i>Eridanus</i> SAO 130243
<i>Menkar</i> 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 <i>Eridanus</i> SAO 130254
<i>Algol</i> β Per	* B8	2.90		R03:08:10.1 D40:57:20.4 <i>Head of Medusa, Demon</i> <i>Star, Gorgonea Prima</i> SAO 38592
<i>Dalim</i> α For	* F8	4.00		R03:12:04.3 D-28:59:13.4 <i>Fornax</i> 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 <i>Eridanus</i> WDS 03187-1834,SAO 148897

North Stars (374 objects)

Object	Type	Mag	Size	Information
<i>Mirfak</i> α Per	* F5	1.90		R03:24:19.4 D49:51:40.3 <i>Mirphak,Algenib</i> 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 <i>Camelopardalis</i> 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 <i>Taurus</i> SAO 111291
e Tau	* B3	5.00		R03:48:16.3 D11:08:36.3 <i>Taurus</i> SAO 93611
ζ Per	* B1	2.90		R03:54:07.9 D31:53:00.9 <i>Perseus</i> SAO 56799
32 Eri	* G5	5.00		R03:54:17.5 D-02:57:16.9 <i>Eridanus</i> SAO 130806
<i>Elthor</i> λ Tau	* B3	4.00		R04:00:40.8 D12:29:25.3 <i>Taurus</i> <i>Althor,Althaur,Al Thaur</i> SAO 93719
HR 1279	*A F3V *B	6.11 8.77	AB 3.82"	R04:07:41.98 D15:09:46.1 <i>Taurus</i> WDS 04077+1510,SAO 93775

North Stars (374 objects)

Object	Type	Mag	Size	Information
SZ Cam	*A B0III	6.91	AB 6.10"	R04:07:51.38 D62:19:48.4 <i>Camelopardalis</i> WDS 04078+6220,SAO 13030
	*B	12.90	AC 11.05"	
	*C	13.50	AD 16.10"	
	*D	14.10	AE 17.98"	
	*E B0II	6.94	AF 36.23"	
	*F	11.70	AG 60.27"	
	*G	9.63	AH 57.02"	
	*H	10.50	AI 69.64"	
	*I	9.81	AL 98.33"	
	*J	13.34	AN 116.09"	
	*K	15.30	AO 138.90"	
	*L	9.80	AQ 45.62"	
	*M	11.40	AS 20.30"	
	*N	9.62	AT 27.50"	
	*O	9.40	AU 35.30"	
	*P	10.69	EB 14.24"	
	*Q	13.20	EC 14.71"	
	*R	12.89	EF 18.62"	
	*S	14.10	EG 49.02"	
	*T	15.40	EH 47.05"	
	*U	15.20	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"	
47 Tau	* G5	5.00		R04:13:56.4 D09:15:49.3 <i>Taurus</i> SAO 111674
39 Eri	* K0	5.10		R04:14:23.7 D-10:15:22.7 <i>Eridanus</i> SAO 149478
<i>Keid</i> 2 Eri	* G5	4.50		R04:15:16.3 D-07:39:09.9 <i>Eridanus</i> <i>Vulcan</i> SAO 131063

North Stars (374 objects)

Object	Type	Mag	Size	Information
φ Tau	* K0	5.10		R04:20:21.3 D27:21:02.6 <i>Taurus</i> 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 <i>Taurus</i> WDS 04220+1932
56 Per	* F5	5.80		R04:24:37.4 D33:57:35.2 <i>Perseus</i> 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 <i>Taurus</i> SAO 93955,WDS 04287+1552
1 Cam	* B1	5.90		R04:32:01.8 D53:54:39.1 <i>Camelopardalis</i> SAO 24672
55 Eri	* F5	6.70		R04:43:35.1 D-08:47:45.8 <i>Eridanus</i> SAO 131443
ω Aur	* A0	5.00		R04:59:15.4 D37:53:24.6 <i>Auriga</i> SAO 57548
<i>Hind's Crimson Star</i> R Lep	* N8	6.00		R04:59:36.5 D-14:48:20.5 <i>Lepus</i> SAO 150058
5 Aur	* F5	6.00		R05:00:18.3 D39:23:41.3 <i>Auriga</i> 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 <i>Orion</i> WDS 05020+0137,SAO 112340
β Cam	* G0p	4.20		R05:03:25.1 D60:26:32.1 <i>Camelopardalis</i> SAO 13351
W Ori	* Nb	5.90		R05:05:23.7 D01:10:38.9 <i>Orion</i> SAO 112406
11 Cam	* B3p	5.30		R05:06:08.5 D58:58:20.5 <i>Camelopardalis</i> 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 <i>Auriga</i> WDS 05103+3718,SAO 57704

North Stars (374 objects)

Object	Type	Mag	Size	Information
κ Lep	* B8	4.50		R05:13:13.9 D-12:56:29.5 <i>Lepus</i> SAO 150239
<i>Rigel</i> β Ori	* B8p	0.30		R05:14:32.3 D-08:12:06.0 <i>Orion</i> SAO 131907
14 Aur	* A2	5.10		R05:15:24.4 D32:41:15.7 <i>Auriga</i> SAO 57799
HD 34527	*A B9.5V *B	6.96 8.46	AB 20.46"	R05:17:35.50 D-15:13:10.5 <i>Lepus</i> 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 <i>Lepus</i> SAO 150336
HR 1762	* A0	4.70		R05:20:26.9 D-21:14:22.4 <i>Lepus</i> 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 <i>Lepus</i> 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 <i>Lepus</i> WDS 05218-2446,SAO 170351
ζ Ori	* B1	3.40		R05:24:28.6 D-02:23:49.4 <i>Orion</i> SAO 132071
HR 1779	*A K2III *B	6.65 8.33	AB 31.23"	R05:25:12.94 D34:51:18.6 <i>Auriga</i> 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 <i>Lepus</i> WDS 05260-1942,SAO 150441
<i>Mintaka</i> δ Ori	* B0	2.50		R05:32:00.4 D-00:17:56.8 <i>Orion</i> 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 <i>Orion</i> WDS 05350-0600,SAO 132301
<i>Meissa</i> λ Ori	* Oe5	3.70		R05:35:08.3 D09:56:02.6 <i>Orion</i> <i>Heka,Hatya</i> SAO 112921
c Ori	* B3	4.60		R05:35:23.2 D-04:50:17.9 <i>Orion</i> SAO 132320

North Stars (374 objects)

Object	Type	Mag	Size	Information
<i>Nair al Saif</i> ι Ori	* Oe5	2.90		R05:35:26.0 D-05:54:35.6 <i>Orion</i> SAO 132323
<i>Trapezium</i> θ1 Ori	*	3.53		R05:36:09.27 D-05:22:51.2 <i>Orion</i>
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 <i>Auriga</i> WDS 05386+3030
σ Ori	* B0	3.80		R05:38:44.8 D-02:36:00.1 <i>Orion</i> 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 <i>Lepus</i> WDS 05397-2026
<i>Alnitak</i> ζ Ori	* B0	2.00		R05:40:45.5 D-01:56:33.5 <i>Orion</i> SAO 132444
γ Lep	* F8	3.80		R05:44:27.8 D-22:26:54.4 <i>Lepus</i> SAO 170759
29 Cam	* A2	6.40		R05:50:34.0 D56:55:07.8 <i>Camelopardalis</i> SAO 25403
<i>Betelgeuse</i> α Ori	* M0	0.60		R05:55:10.3 D07:24:25.4 <i>Orion</i> SAO 113271
θ Aur	* A0p	2.70		R05:59:43.3 D37:12:44.7 <i>Auriga</i> SAO 58636
41 Aur	* A0	6.80		R06:11:36.5 D48:42:46.5 <i>Auriga</i> 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 <i>Auriga</i> WDS 06156+3609,SAO 58905
ε Mon	* A5	4.50		R06:23:46.1 D04:35:34.2 <i>Monoceros</i> SAO 113810
BL Ori	* Nb	4.70		R06:25:28.1 D14:43:19.1 <i>Orion</i> SAO 95659
5 Lyn	* K2	5.50		R06:26:48.9 D58:25:01.9 <i>Lynx</i> SAO 25733

North Stars (374 objects)

Object	Type	Mag	Size	Information
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 <i>Gemini</i> WDS 06278+2047,SAO 78395
β Mon	* B2e	4.70		R06:28:49.0 D-07:01:58.4 <i>Monoceros</i> 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 <i>Gemini</i> 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 <i>Auriga</i> 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 <i>Auriga</i> WDS 06353+3743,SAO 59259
ν1 CMa	* G5	5.80		R06:36:22.8 D-18:39:35.8 <i>Canis Major</i> SAO 151694
<i>Sirius</i> α CMa	* A0	-1.60		R06:45:08.9 D-16:42:58.1 <i>Canis Major</i> <i>Dog Star</i> SAO 151881
12 Lyn	* A2	4.90		R06:46:14.1 D59:26:30.4 <i>Lynx</i> SAO 25939
ψ5 Aur	* G0	5.30		R06:46:44.3 D43:34:38.8 <i>Auriga</i> 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 <i>Gemini</i> SAO 96265
17 CMa	* A2	5.80		R06:55:02.7 D-20:24:16.9 <i>Canis Major</i> SAO 172569

North Stars (374 objects)

Object	Type	Mag	Size	Information
π CMa	* F5	4.60		R06:55:37.4 D-20:08:11.2 <i>Canis Major</i> SAO 172579
μ CMa	* G5	5.20		R06:56:06.6 D-14:02:36.5 <i>Canis Major</i> SAO 152123
<i>Adhara</i> ϵ CMa	* B1	1.60		R06:58:37.6 D-28:58:19.4 <i>Canis Major</i> SAO 172676
<i>Mekbuda</i> ζ Gem	* G0p	3.90		R07:04:06.5 D20:34:13.0 <i>Gemini</i> SAO 79031
HR 2764	* K5	4.80		R07:16:36.8 D-23:18:56.2 <i>Canis Major</i> SAO 173349
<i>Alkibash</i> λ Gem	* A2	3.60		R07:18:05.6 D16:32:25.4 <i>Gemini</i> SAO 96746
τ CMa	* Oe5	4.40		R07:18:42.4 D-24:57:15.2 <i>Canis Major</i> SAO 173446
<i>Wasat</i> δ Gem	* F0	3.50		R07:20:07.4 D21:58:56.4 <i>Gemini</i> SAO 79294
19 Lyn	* B8	5.60		R07:22:52.1 D55:16:53.1 <i>Lynx</i> SAO 26312
HD 58782	*A A2 *B	8.61 9.35	AB 10.30"	R07:27:22.75 D08:45:14.0 <i>Canis Major</i> 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 <i>Puppis</i> 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 <i>Canis Major</i> 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 <i>Gemini</i> WDS 07328+2253

North Stars (374 objects)

Object	Type	Mag	Size	Information
<i>Castor</i> α Gem	* A0	1.60		R07:34:36.0 D31:53:18.5 <i>Gemini</i> SAO 60198
<i>Al Kirkab</i> κ Gem	* G5	3.70		R07:44:26.9 D24:23:52.7 <i>Gemini</i> SAO 79653
<i>Pollux</i> β Gem	* K0	1.20		R07:45:18.9 D28:01:34.3 <i>Gemini</i> SAO 79666
HD 61907	*A F2 *B	7.78 7.80	AB 14.88"	R07:45:52.47 D65:09:28.1 <i>Camelopardalis</i> 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 <i>Canis Major</i> 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 <i>Puppis</i> WDS 08057-3334,SAO 198791
<i>Tegmen</i> ζ1 Cnc	* G0	5.10		R08:12:12.7 D17:38:51.9 <i>Cancer</i> SAO 97645
φ2 Cnc	* A2	6.30		R08:26:46.8 D26:56:03.7 <i>Cancer</i> 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 <i>Cancer</i> WDS 08358+0637,SAO 116929
VZ Cnc	* F0	8.10		R08:40:52.1 D09:49:26.7 <i>Cancer</i> SAO 98035

North Stars (374 objects)

Object	Type	Mag	Size	Information
ι Cnc	* G5	4.20		R08:46:41.8 D28:45:35.8 <i>Cancer</i> SAO 80416
ε Hya	* F8	3.50		R08:46:46.6 D06:25:07.5 <i>Hydra</i> 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 <i>Lynx</i> WDS 08508+3504,SAO 61077
<i>Copernicus</i> 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 <i>Cancer</i> SAO 80650
38 Lyn	* A2	3.80		R09:18:50.7 D36:48:09.5 <i>Lynx</i> SAO 61391
ζ1 Ant	*A A1V *B A1V	6.15 6.83	AB 8.07"	R09:30:46.09 D-31:53:21.2 <i>Antlia</i> 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 <i>Lynx</i> 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 <i>Lynx</i> WDS 09354+3958,SAO 42932
R Leo	* M7e	5.00		R09:47:33.5 D11:25:43.5 <i>Leo</i> SAO 98769
<i>Regulus</i> α Leo	* B8	1.30		R10:08:22.3 D11:58:02.0 <i>Leo</i> <i>Basilicus, Kalb</i> SAO 98967
<i>Algieba</i> γ1 Leo	* K0	2.60		R10:19:58.3 D19:50:29.9 <i>Leo</i> <i>Juba</i> SAO 81298
δ Ant	* B9	5.60		R10:29:35.4 D-30:36:25.8 <i>Antlia</i> 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 <i>Sextans</i> WDS 10310-0738,SAO 137614

North Stars (374 objects)

Object	Type	Mag	Size	Information
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 <i>Sextans</i> 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 <i>Leo</i> SAO 81584
<i>Lalande 21185</i> HD 95735	* Mb	7.60		R11:03:20.2 D35:58:13.3 <i>Ursa</i> <i>Major</i> SAO 62377
<i>Alula Australis</i> ξ UMa	* G0	3.90		R11:18:10.9 D31:31:45.2 <i>Ursa</i> <i>Major</i> SAO 62484
γ Crt	* A5	4.10		R11:24:52.9 D-17:41:02.5 <i>Crater</i> 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 <i>Leo</i> SAO 99648
17 Crt	* G0	5.90		R11:32:16.1 D-29:15:48.4 <i>Hydra</i> SAO 179967
90 Leo	* B3	6.00		R11:34:42.5 D16:47:49.4 <i>Leo</i> SAO 99673
2 Com	* F0	5.80		R12:04:16.6 D21:27:33.1 <i>Coma</i> 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 <i>Coma</i> WDS 12141+3247,SAO 62904
2 CVn	* K5	5.90		R12:16:07.6 D40:39:36.6 <i>Canes</i> 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 <i>Camelopardalis</i> 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 <i>Virgo</i> WDS 12182-0357,SAO 138704

North Stars (374 objects)

Object	Type	Mag	Size	Information
17 Vir	* F8	6.50		R12:22:32.0 D05:18:19.5 <i>Virgo</i> SAO 119360
<i>Algorab</i> δ Crv	* A0	3.10		R12:29:51.9 D-16:30:55.6 <i>Corvus</i> 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 <i>Coma</i> SAO 100160
VV Crv	* F5	6.10		R12:41:16.0 D-13:00:48.7 <i>Corvus</i> SAO 157447
<i>Porrima</i> γ Vir	* F0	2.90		R12:41:39.6 D-01:26:57.7 SAO 138917
<i>La Superba</i> Y CVn	* N3	5.40		R12:45:07.9 D45:26:25.1 <i>Canes</i> 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 <i>Camelopardalis</i> 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 <i>Camelopardalis</i> WDS 12492+8325,SAO 2102
35 Com	* K0	5.10		R12:53:17.8 D21:14:41.5 <i>Coma</i> SAO 82550
<i>Cor Caroli</i> α1 CVn	* A0p	5.40		R12:56:00.4 D38:18:53.4 <i>Canes</i> SAO 63256
θ Vir	* A0	4.50		R13:09:57.0 D-05:32:20.4 <i>Virgo</i> SAO 139189
54 Vir	* A0	6.80		R13:13:26.8 D-18:49:36.1 <i>Virgo</i> 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 <i>Coma</i> WDS 13169+1701,SAO 100491
<i>Mizar</i> ζ UMa	* A2	4.00		R13:23:56.4 D54:55:18.2 <i>Ursa</i> <i>Major</i> SAO 28738

North Stars (374 objects)

Object	Type	Mag	Size	Information
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 <i>Virgo</i> SAO 120082
3 Cen	* B5	4.70		R13:51:49.6 D-32:59:39.8 <i>Centaurus</i> SAO 204916
h Cen	* B5	4.80		R13:53:12.5 D-31:55:39.6 <i>Centaurus</i> 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 <i>Virgo</i> WDS 13550-0804,SAO 139618
<i>Asellus Tertius</i> κ1 Boo	* A5	6.60		R14:13:27.7 D51:47:15.6 <i>Bootes</i> SAO 29045
<i>Asellus Tertius</i> κ2 Boo	* A5	4.60		R14:13:29.0 D51:47:24.6 SAO 29046
<i>Asellus Secundus</i> ι Boo	* A5	4.90		R14:16:09.9 D51:22:02.1 <i>Bootes</i> SAO 29071
HR 5346	*A F6V *B	6.47 8.42	AB 4.39"	R14:16:32.84 D20:07:18.7 <i>Bootes</i> 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 <i>Bootes</i> WDS 14234+0827,SAO 120426
φ Vir	* K0	5.00		R14:28:12.2 D-02:13:40.6 <i>Virgo</i> SAO 139951
π1 Boo	* A0	4.90		R14:40:43.6 D16:25:06.1 <i>Bootes</i> 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 <i>Bootes</i> SAO 101145
<i>Izar</i> ε Boo	* K0	2.70		R14:44:59.2 D27:04:27.1 <i>Bootes</i> <i>Pulcherrima</i> SAO 83500

North Stars (374 objects)

Object	Type	Mag	Size	Information
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 <i>Hydra</i> WDS 14460-2527,SAO 182856
<i>Zubenelgenubi</i> α2 Lib	* A3	2.90		R14:50:52.7 D-16:02:30.4 <i>Libra</i> <i>Zuben Elgenubi</i> SAO 158840
ξ Boo	* G5	4.60		R14:51:23.3 D19:06:04.0 <i>Bootes</i> SAO 101250
<i>Lalande 27173</i> KX Lib	* K5	6.00		R14:57:28.1 D-21:24:56.1 <i>Libra</i> 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 <i>Serpens Cauda</i> SAO 120946
50 Boo	* B9	5.40		R15:21:48.6 D32:56:01.6 SAO 64656
<i>Alkalurops</i> μ1 Boo	* F0	4.50		R15:24:29.4 D37:22:37.8 SAO 64686
<i>Alkalurops</i> μ2 Boo	* K0	6.70		R15:24:30.9 D37:20:51.6 <i>Bootes</i> 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 <i>Serpens Caput</i> SAO 101624
HR 5816	*A F8V *B F8V	6.44 6.49	AB 11.56"	R15:38:40.08 D-08:47:29.4 <i>Libra</i> WDS 15387-0847,SAO 140672
ζ1 CrB	* B8	6.00		R15:39:22.2 D36:38:11.8 <i>Corona Borealis</i> SAO 64833
ζ2 CrB	* B8	5.10		R15:39:22.7 D36:38:09.0 SAO 64834

North Stars (374 objects)

Object	Type	Mag	Size	Information
HR 5831	*A G7.5IIIa *B	6.32 10.07	AB 15.04"	R15:40:10.35 D12:03:10.6 <i>Serpens Cauda</i> WDS 15402+1203,SAO 101673
β Ser	* A2	3.70		R15:46:11.3 D15:25:18.5 <i>Serpens Cauda</i> SAO 101725
<i>Variabilis</i> <i>Coronae</i> 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 <i>Corona Borealis</i> SAO 84019
ξ Sco	* F8	4.20		R16:04:22.1 D-11:22:23.5 <i>Scorpius</i> SAO 159665
<i>Graffias</i> β1 Sco	* B1	2.90		R16:05:26.2 D-19:48:19.4 <i>Scorpius</i> <i>Acrab</i> SAO 159682
<i>Marsic</i> κ Her	* G5	5.30		R16:08:04.5 D17:02:48.9 <i>Hercules</i> SAO 101951
<i>Jabbah</i> ν Sco	* B3	4.30		R16:11:59.7 D-19:27:38.1 <i>Scorpius</i> SAO 159764
c1 Sco	* B9	5.70		R16:12:15.9 D-28:25:02.6 <i>Scorpius</i> SAO 184217
σ CrB	* G0	5.40		R16:14:40.8 D33:51:30.7 <i>Corona Borealis</i> SAO 65165
γ Her	* F0	3.80		R16:21:55.2 D19:09:11.3 <i>Hercules</i> SAO 102107
ξ CrB	* K0	4.70		R16:22:05.8 D30:53:31.7 <i>Corona Borealis</i> SAO 65254
ρ Oph	* B5	5.90		R16:25:35.1 D-23:26:46.0 <i>Ophiuchus</i> SAO 184381

North Stars (374 objects)

Object	Type	Mag	Size	Information
<i>Antares</i> α Sco	* +++	1.10		R16:29:24.4 D-26:25:55.2 <i>Scorpius</i> 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 <i>Draco</i> WDS 16362+5255
56 Her	* K0	6.30		R16:55:02.1 D25:43:50.3 <i>Hercules</i> SAO 84692
<i>Arrakis</i> μ Dra	* F5	5.10		R17:05:19.8 D54:28:13.3 <i>Draco</i> <i>Errakis</i> SAO 30239
<i>Rasalgethi</i> α Her	* Mb	3.50		R17:14:38.9 D14:23:25.3 <i>Ras Algethi,Rasalegti</i> SAO 102680
<i>Rasalgethi</i> α2 Her	* Mb	5.40		R17:14:39.2 D14:23:24.1 <i>Hercules</i> <i>Ras Algethi</i> SAO 102681
<i>Sarin</i> δ Her	* A2	3.20		R17:15:01.9 D24:50:21.2 <i>Hercules</i> SAO 84951
36 Oph	* K0	5.30		R17:15:20.8 D-26:36:04.5 <i>Ophiuchus</i> 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 <i>Draco</i> WDS 17161+6043,SAO 17410
Oph	* K0	5.40		R17:18:00.7 D-24:17:13.1 <i>Ophiuchus</i> SAO 185238
v Ser	* A0	4.40		R17:20:49.7 D-12:50:48.3 <i>Serpens Caput</i> SAO 160479
ρ Her	* A0	5.50		R17:23:40.7 D37:08:48.2 <i>Hercules</i> SAO 66000
<i>Kuma</i> ν1 Dra	* A5	5.00		R17:32:10.5 D55:11:03.5 WDS 17323+5510,SAO 30447

North Stars (374 objects)

Object	Type	Mag	Size	Information
<i>Kuma</i> ν2 Dra	* A5	5.00		R17:32:16.0 D55:10:22.6 <i>Draco</i> SAO 30450
<i>Dziban</i> ψ1 Dra	* F5	6.10		R17:41:57.9 D72:09:24.7 <i>Draco</i> SAO 8891
61 Oph	* A0	6.30		R17:44:34.1 D02:34:45.7 <i>Ophiuchus</i> SAO 122690
μ Her	* G5	3.50		R17:46:27.6 D27:43:14.6 <i>Hercules</i> SAO 85397
<i>Barnard's Star</i> V2500 Oph	*	9.53		R17:58:41.59 D04:41:39.8 <i>Ophiuchus</i>
41 Dra	* F5	5.80		R18:00:09.2 D80:00:14.6 <i>Draco</i> SAO 8996
67 Oph	* B5p	4.00		R18:00:38.7 D02:55:53.5 <i>Ophiuchus</i> SAO 123013
95 Her	* A3	5.10		R18:01:30.4 D21:35:44.2 <i>Hercules</i> SAO 85648
70 Oph	* K0	4.10		R18:05:27.4 D02:29:58.3 <i>Ophiuchus</i> SAO 123107
100 Her	* A3	5.90		R18:07:49.5 D26:06:05.0 <i>Hercules</i> SAO 85753
HD 168459	*A F2V *B	6.62 9.25	AB 1.58"	R18:20:05.15 D-07:58:52.9 <i>Serpens Caput</i> 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 <i>Scutum</i> WDS 18222-1505,SAO 161390
b Dra	* A2	4.90		R18:23:54.5 D58:48:02.3 <i>Draco</i> SAO 30949
21 Sgr	* +++	5.00		R18:25:21.0 D-20:32:30.0 <i>Sagittarius</i> SAO 186794
d Ser	*A G0III *B A6V	5.38 7.62	AB 3.70"	R18:27:12.51 D00:11:46.1 <i>Serpens Caput</i> WDS 18272+0012

North Stars (374 objects)

Object	Type	Mag	Size	Information
<i>Vega</i> α Lyr	* A0	0.10		R18:36:56.3 D38:47:01.2 <i>Lyra</i> SAO 67174
δ Sct	* F0	4.70		R18:42:16.4 D-09:03:09.2 <i>Scutum</i> SAO 142515
<i>Double Double</i> ε2 Lyr	* A5	4.50		R18:44:22.9 D39:36:46.5 <i>Lyra</i> SAO 67315
ζ1 Lyr	* A3	4.30		R18:44:46.4 D37:36:18.4 <i>Lyra</i> SAO 67321
HD 173457	*A F2 *B	7.39 8.43	AB 4.17"	R18:45:51.33 D-10:29:34.1 <i>Scutum</i> WDS 18459-1030,SAO 161805
<i>Sheliak</i> β Lyr	* +++	3.90		R18:50:04.8 D33:21:45.8 <i>Lyra</i> SAO 67451
S Sct	* Nb	7.00		R18:50:20.0 D-07:54:26.6 <i>Scutum</i> SAO 142674
Dra	* K0	4.90		R18:51:12.1 D59:23:18.1 <i>Draco</i> SAO 31218
δ1 Lyr	* B3	5.50		R18:53:43.6 D36:58:18.1 <i>Lyra</i> 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 <i>Lyra</i> WDS 18549+3358,SAO 67566
13 Lyr	* M3	4.30		R18:55:20.1 D43:56:46.1 <i>Lyra</i> SAO 47919
<i>Alya</i> θ1 Ser	* A5	4.50		R18:56:13.2 D04:12:12.9 <i>Serpens Caput</i> SAO 124068
11 Aql	* F5	5.40		R18:59:05.7 D13:37:20.5 <i>Aquila</i> SAO 104308
V Aql	*A C5II *B	7.21 7.35	AB 0.17"	R19:04:24.15 D-05:41:05.4 <i>Aquila</i> 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 <i>Vulpecula</i> WDS 19046+2320,SAO 86774

North Stars (374 objects)

Object	Type	Mag	Size	Information
h Aql	* K0	5.50		R19:04:57.6 D-04:01:53.3 <i>Aquila</i> SAO 142996
γ CrA	* F8	4.30		R19:06:25.1 D-37:03:47.8 <i>Corona Borealis</i> 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 <i>Vulpecula</i> 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 <i>Vulpecula</i> 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 <i>Lyra</i> WDS 19088+3446,SAO 67870
23 Aql	* K0	5.30		R19:18:32.5 D01:05:06.6 <i>Aquila</i> SAO 124487
U Sge	*A B9V *B	6.50 9.68	AB 91.80"	R19:18:48.41 D19:36:37.7 <i>Sagitta</i> WDS 19188+1937,SAO 104711
UX Dra	* Nb	5.80		R19:21:35.4 D76:33:34.6 <i>Draco</i> SAO 9404
RR Lyr	* F5	7.20		R19:25:27.8 D42:47:04.5 <i>Lyra</i> 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 <i>Vulpecula</i> 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 <i>Sagittarius</i> WDS 19299-2659,SAO 188192
<i>Albireo</i> β1 Cyg	* +++	3.20		R19:30:43.3 D27:57:34.6 <i>Cygnus</i> 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 <i>Vulpecula</i> WDS 19333+2025,SAO 87342
ε Sge	* K0	5.70		R19:37:17.4 D16:27:46.1 SAO 105061

North Stars (374 objects)

Object	Type	Mag	Size	Information
V340 Sge	* K5	6.60		R19:39:25.4 D16:34:17.0 <i>Sagitta</i> SAO 105104
e1 Sgr	* K0	5.50		R19:40:43.4 D-16:17:35.4 <i>Sagittarius</i> SAO 162883
16 Cyg	* G0	6.30		R19:41:48.9 D50:31:30.7 <i>Cygnus</i> SAO 31898
<i>Al Fawaris</i> δ Cyg	* A0	3.00		R19:44:58.5 D45:07:50.7 <i>Cygnus</i> <i>Rukh,Urakhga</i> SAO 48796
17 Cyg	* F5	5.00		R19:46:25.6 D33:43:39.6 <i>Cygnus</i> SAO 68827
ζ Sge	* A2	5.00		R19:48:58.7 D19:08:31.5 <i>Sagitta</i> SAO 105298
57 Aql	* B	6.50		R19:54:38.1 D-08:14:13.5 <i>Aquila</i> SAO 143899
V1357 Cyg	* G5	8.60		R19:58:21.6 D35:12:04.8 <i>Cygnus</i> SAO 69181
θ Sge	* F2	6.30		R20:09:56.6 D20:54:54.5 <i>Sagitta</i> SAO 88276
30 Cyg	* A2	5.00		R20:13:18.0 D46:48:56.5 <i>Cygnus</i> 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 <i>Vulpecula</i> 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 <i>Vulpecula</i> WDS 20175+2909,SAO 88473

North Stars (374 objects)

Object	Type	Mag	Size	Information
<i>Algedi Secunda</i> α2 Cap	* G5	3.80		R20:18:03.3 D-12:32:41.3 <i>Capricornus</i> <i>Giedi Secunda,Giedi</i> SAO 163427
σ Cap	* K0	5.50		R20:19:23.6 D-19:07:06.5 <i>Capricornus</i> SAO 163445
<i>Okul</i> π Cap	* B8	5.20		R20:27:19.2 D-18:12:42.2 <i>Capricornus</i> SAO 163592
Cap	* A2	6.10		R20:29:53.9 D-18:34:59.6 <i>Capricornus</i> 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 <i>Delphinus</i> SAO 106301,WDS 20368+1444
κ Del	* G5	5.20		R20:39:07.8 D10:05:10.1 <i>Delphinus</i> SAO 126059
OR Del	*A K0 *B	7.54 8.20	AB 6.19"	R20:46:13.31 D15:54:26.4 <i>Delphinus</i> WDS 20462+1554,SAO 106466
γ1 Del	* F8	5.20		R20:46:38.7 D16:07:27.6 <i>Delphinus</i> SAO 106475
γ2 Del	* G5	4.50		R20:46:39.5 D16:07:27.4 <i>Delphinus</i> SAO 106476
α Mic	* K0	5.00		R20:49:58.1 D-33:46:47.3 <i>Microscopium</i> SAO 212472
ε Equ	* F5	5.30		R20:59:04.4 D04:17:37.0 <i>Equuleus</i> 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 <i>Aquarius</i> SAO 145065

North Stars (374 objects)

Object	Type	Mag	Size	Information
61 Cyg	* K5	5.40		R21:06:54.6 D38:44:44.8 <i>Cygnus</i> SAO 70919
HD 203067	*A A3IV *B	7.49 8.20	AB 2.82"	R21:19:39.36 D09:31:30.3 <i>Equuleus</i> WDS 21197+0931,SAO 126707
HR 8148	* G5	6.50		R21:19:45.8 D-26:21:10.6 <i>Capricornus</i> 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 <i>Cepheus</i> WDS 21274+5945
<i>Alfirk</i> β Cep	* B1	3.30		R21:28:39.6 D70:33:38.7 <i>Cepheus</i> <i>Alfirk</i> 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 <i>Cepheus</i> 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
<i>Garnet Star</i> μ Cep	* M0	4.00		R21:43:30.4 D58:46:48.1 <i>Cepheus</i> <i>Erakis</i> SAO 33693
μ1 Cyg	* F5	4.70		R21:44:08.6 D28:44:34.3 SAO 89940

North Stars (374 objects)

Object	Type	Mag	Size	Information
<i>Enif</i> ε Peg	* K0	2.50		R21:44:11.2 D09:52:30.0 <i>Pegasus</i> 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 <i>Cepheus</i> 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 <i>Pegasus</i> 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 <i>Aquarius</i> 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 <i>Pegasus</i> WDS 21580+0556,SAO 127198
29 Aqr	*	7.40		R22:02:26.3 D-16:57:53.8 <i>Aquarius</i> SAO 164829
<i>Alkurah</i> ξ Cep	* A3	4.60		R22:03:47.4 D64:37:40.2 <i>Cepheus</i> <i>Al Kurhah,Alkirdah,Al Kirduh</i> 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 <i>Lacerta</i> WDS 22120+3739,SAO 72119
41 Aqr	* G5	5.50		R22:14:18.0 D-21:04:27.3 <i>Aquarius</i> 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 <i>Pegasus</i> 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 <i>Lacerta</i> WDS 22189+3746,SAO 72228

North Stars (374 objects)

Object	Type	Mag	Size	Information
BD +37_4537p	*A A8III	6.21	AB 16.10"	R22:18:56.21 D37:46:09.4 WDS 22189+3746
	*B	8.85	AC 48.38"	
	*C	13.50	AD 225.19"	
	*D	11.17	AE 66.50"	
	*E	12.56	BD 210.47"	
HD 212468	*A G5	7.62	AB 6.52"	R22:23:34.02 D45:20:59.9 <i>Lacerta</i> WDS 22236+4521,SAO 51957
	*B	8.22	AC 124.46"	
	*C	12.21	CD 7.76"	
	*D	13.30		
53 Aqr	* G0	6.40		R22:26:34.4 D-16:44:32.5 <i>Aquarius</i> SAO 165078
ζ1 Aqr	* F2	4.60		R22:28:49.7 D-00:01:13.0 <i>Aquarius</i> SAO 146107
δ Cep	* +++	4.00		R22:29:10.3 D58:24:54.5 <i>Cepheus</i> SAO 34508
β PsA	* A0	4.40		R22:31:30.4 D-32:20:45.6 <i>Piscis</i> <i>Austrinus</i> SAO 213883
8 Lac	* B3p	5.80		R22:35:52.3 D39:38:03.5 <i>Lacerta</i> SAO 72509
HD 214652	*A B2V	6.84	AB 16.10"	R22:39:04.59 D37:22:31.6 <i>Lacerta</i> WDS 22391+3723,SAO 72569
	*B	10.80		
HD 214600	*A K0III	6.43	AB 85.92"	R22:39:44.12 D-28:19:32.0 WDS 22397-2820,SAO 191309
	*B	7.50	BC 3.03"	
	*C	8.61		
<i>Matar</i> 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 <i>Aquarius</i> SAO 165298
HR 8723	*A B7III	5.71	AB 52.14"	R22:55:44.51 D36:21:05.0 WDS 22557+3621,SAO 72851
	*B	9.21		

North Stars (374 objects)

Object	Type	Mag	Size	Information
57 Peg	* Mb	5.40		R23:09:31.5 D08:40:38.1 <i>Pegasus</i> SAO 128001
2 Cas	* A3	5.60		R23:09:44.1 D59:19:58.5 <i>Cassiopeia</i> SAO 35186
ψ 1 Aqr	* K0	4.50		R23:15:53.5 D-09:05:15.8 <i>Aquarius</i> SAO 146598
94 Aqr	* G5	5.30		R23:19:06.7 D-13:27:32.0 <i>Aquarius</i> 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 <i>Pegasus</i> WDS 23228+2034,SAO 91222
Z And	* Pec	9.50		R23:33:40.0 D48:49:06.2 <i>Andromeda</i> SAO 53146
i2 Aqr	*A A9IV *B F2V	5.65 6.46	AB 7.09"	R23:46:00.85 D-18:40:42.1 <i>Aquarius</i> 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 <i>Cassiopeia</i> 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