

NGC-MAX Database Listing

Messier

<u>No.</u>	<u>Name</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
M001	Crab Nebula	05 34.5	+22 01	6	8.4	Tau	nebula
M002		21 33.5	-00 49	12.9	6.5	Aqr	globular cluster highly resolved
M003		13 42.2	+28 23	16.2	6.4	CVn	globular cluster highly resolved
M004		16 23.6	-26 32	26.3	5.9	Sco	globular cluster highly resolved
M005		15 18.6	+02 05	17.4	5.8	Ser	globular cluster highly resolved
M006	Butterfly Cluster	17 40.1	-32 13	15	4.2	Sco	open cluster rich
M007		17 53.9	-34 49	80	3.3	Sco	open cluster bright scattered
M008	Lagoon Nebula	18 03.8	-24 23	90	5.8	Sgr	nebula with dust and cluster
M009		17 19.2	-18 31	9.3	7.9	Oph	globular cluster mottled
M010		16 57.1	-04 06	15.1	6.6	Oph	globular cluster highly resolved
M011	Wild Duck Cluster	18 51.1	-06 16	14	5.8	Sct	open cluster dense
M012		16 47.2	-01 57	14.5	6.6	Oph	globular cluster highly resolved
M013	Great Hercules Cluster	16 41.7	+36 28	16.6	5.9	Her	globular cluster highly resolved
M014		17 37.6	-03 15	11.7	7.6	Oph	globular cluster
M015		21 30.0	+12 10	12.3	6.4	Peg	globular cluster highly resolved
M016	Eagle Nebula	18 18.8	-13 47	35	6.0	Ser	nebula with dust and cluster
M017	Swan Nebula	18 20.8	-16 11	46	6.0	Sgr	nebula
M018		18 19.9	-17 08	9	6.9	Sgr	open cluster bright scattered
M019		17 02.6	-26 16	13.5	7.2	Oph	globular cluster
M020	Trifid Nebula	18 02.3	-23 02	29	6.3	Sgr	nebula with dust
M021		18 04.6	-22 30	13	5.9	Sgr	open cluster rich
M022		18 36.4	-23 54	24	5.1	Sgr	globular cluster highly resolved
M023		17 56.8	-19 01	27	5.5	Sgr	open cluster dense
M024		18 18.4	-18 25	5	11p	Sgr	open cluster dense
M025		18 31.6	-19 15	32	4.6	Sgr	open cluster bright scattered
M026		18 45.2	-09 24	15	8.0	Sct	open cluster rich
M027	Dumbbell Nebula	19 59.6	+22 43	480"	7.4	Vul	planetary nebula irregular
M028		18 24.5	-24 52	11.2	6.9	Sgr	globular cluster highly resolved
M029		20 23.9	+38 32	7	6.6	Cyg	open cluster bright scattered
M030		21 40.4	-23 11	11	7.5	Cap	globular cluster highly resolved
M031	Great Andromeda Galaxy	00 42.7	+41 16	178	3.5	And	very elongated galaxy dusty
M032		00 42.7	+40 52	7.6	8.2	And	round galaxy with bright core
M033	Pinwheel Galaxy	01 33.9	+30 39	62	5.7	Tri	spiral galaxy structure w/ bright knots
M034		02 42.0	+42 47	35	5.2	Per	open cluster rich
M035		06 08.9	+24 20	28	5.1	Gem	open cluster rich
M036		05 36.1	+34 08	12	6.0	Aur	open cluster rich
M037		05 52.4	+32 33	24	5.6	Aur	open cluster dense
M038		05 28.7	+35 50	21	6.4	Aur	open cluster rich
M039		21 32.2	+48 26	32	4.6	Cyg	open cluster bright scattered
M040	Winnecke 4	12 22.4	+58 05	50"	9.0	UMa	double star
M041		06 47.0	-20 44	38	4.5	CMa	open cluster dense
M042	Great Orion Nebula	05 35.4	-05 27	66	4.0	Ori	nebula
M043		05 35.6	-05 16	20	9.0	Ori	nebula bright with dust
M044	Beehive Cluster	08 40.1	+19 59	95	3.1	Cnc	open cluster bright scattered
M045	Pleiades	03 47.0	+24 07	110	1.2	Tau	open cluster with nebulosity
M046		07 41.8	-14 49	27	6.1	Pup	open cluster dense
M047		07 36.6	-14 30	30	4.4	Pup	open cluster dense
M048		08 13.8	-05 48	54	5.8	Hya	open cluster rich
M049		12 29.8	+08 00	8.9	8.4	Vir	round galaxy with bright core
M050		07 03.2	-08 20	16	5.9	Mon	open cluster rich
M051	Whirlpool Galaxy	13 29.9	+47 12	11	8.4	CVn	spiral galaxy attached companion
M052		23 24.2	+61 35	13	6.9	Cas	open cluster dense
M053		13 12.9	+18 10	12.6	7.7	Com	globular cluster highly resolved
M054		18 55.1	-30 29	9.1	7.7	Sgr	globular cluster mottled
M055		19 40.0	-30 58	19	7.0	Sgr	globular cluster highly resolved
M056		19 16.6	+30 11	7.1	8.3	Lyr	globular cluster highly resolved
M057	Ring Nebula	18 53.6	+33 02	86"	8.8	Lyr	planetary nebula ring with central star

Messier (Continued)

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M058		12 37.7	+11 49	5.4	9.8	Vir	round galaxy with bright core
M059		12 42.0	+11 39	5.1	9.8	Vir	elongated galaxy with bright core
M060		12 43.7	+11 33	7.2	8.8	Vir	round galaxy with bright core
M061		12 21.9	+04 28	6	9.7	Vir	spiral galaxy structure
M062		17 01.2	-30 07	14.1	6.6	Oph	globular cluster
M063		13 15.8	+42 02	12.3	8.6	CVn	elongated galaxy with bright core
M064	Black-eye Galaxy	12 56.7	+21 41	9.3	8.5	Com	elongated galaxy dusty
M065		11 18.9	+13 05	10	9.3	Leo	very elongated galaxy with bright core
M066		11 20.2	+12 59	8.7	9.0	Leo	spiral galaxy structure
M067		08 50.4	+11 49	30	6.9	Cnc	open cluster dense
M068		12 39.5	-26 45	12	8.2	Hya	globular cluster highly resolved
M069		18 31.4	-32 21	7.1	7.7	Sgr	globular cluster
M070		18 43.2	-32 18	7.8	8.1	Sgr	globular cluster
M071		19 53.8	+18 47	7.2	8.3	Sge	globular cluster highly resolved
M072		20 53.5	-12 32	5.9	9.4	Aqr	globular cluster
M073		20 59.0	-12 38	2.8	8.9p	Aqr	asterism
M074		01 36.7	+15 47	10.2	9.2	Psc	spiral galaxy structure
M075		20 06.1	-21 55	6	8.6	Sgr	globular cluster unresolved
M076	Little Dumbbell	01 42.3	+51 34	163"	10.1	Per	planetary nebula irregular
M077		02 42.7	-00 01	6.9	8.8	Cet	round galaxy with bright core
M078		05 46.7	+00 03	8	8.0	Ori	reflection nebula bright
M079		05 24.5	-24 33	8.7	8.0	Lep	globular cluster highly resolved
M080		16 17.0	-22 59	8.9	7.2	Sco	globular cluster mottled
M081		09 55.6	+69 04	25.7	6.9	UMa	spiral galaxy structure
M082		09 55.8	+69 41	11.2	8.4	UMa	very elongated irregular galaxy
M083		13 37.0	-29 52	11.2	7.6	Hya	barred spiral galaxy structure
M084		12 25.1	+12 53	5	9.3	Vir	round galaxy with bright core
M085		12 25.4	+18 11	7.1	9.2	Com	round galaxy with bright core
M086		12 26.2	+12 57	7.4	9.2	Vir	round galaxy with bright core
M087	Virgo A	12 30.8	+12 24	7.2	8.6	Vir	round galaxy with bright core
M088		12 32.0	+14 25	6.9	9.5	Com	very elongated galaxy with bright core
M089		12 35.7	+12 33	4.2	9.8	Vir	round galaxy with bright core
M090		12 36.8	+13 10	9.5	9.5	Vir	very elongated galaxy with bright core
M091		12 35.4	+14 30	5.4	10.2	Com	elongated galaxy with bright core
M092		17 17.1	+43 08	11.2	6.5	Her	globular cluster highly resolved
M093		07 44.6	-23 52	22	6.2	Pup	open cluster dense
M094		12 50.9	+41 07	11	8.2	CVn	elongated galaxy with bright core
M095		10 44.0	+11 42	7.4	9.7	Leo	barred spiral galaxy structure
M096		10 46.8	+11 49	7.1	9.2	Leo	round galaxy with bright core
M097	Owl Nebula	11 14.8	+55 01	202"	9.9	UMa	planetary nebula irregular
M098		12 13.8	+14 54	9.5	10.1	Com	very elongated galaxy with bright core
M099		12 18.8	+14 25	5.4	9.8	Com	spiral galaxy structure
M100		12 22.9	+15 49	6.9	9.4	Com	round galaxy with bright core
M101		14 03.2	+54 21	26.9	7.7	UMa	spiral galaxy structure w/ bright knots
M102		15 06.5	+55 46	5.2	10.0	Dra	very elongated galaxy
M103		01 33.2	+60 42	6	7.4	Cas	open cluster rich
M104	Sombrero Galaxy	12 40.0	-11 37	8.9	8.3	Vir	edge on galaxy dusty
M105		10 47.8	+12 35	4.5	9.3	Leo	round galaxy with bright core
M106		12 19.0	+47 18	18.2	8.3	CVn	spiral galaxy structure w/ bright knots
M107		16 32.5	-13 03	10	8.1	Oph	globular cluster
M108		11 11.5	+55 40	8.3	10.1	UMa	very elongated galaxy
M109		11 57.6	+53 23	7.6	9.8	UMa	elongated galaxy with bright core
M110		00 40.4	+41 41	17.4	8.0	And	elongated galaxy

Anonymous Non–Stellar

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NS001	BK58	00 00.1	60 58	8"	9.7	Cas	open cluster
NS002	BL1	00 04.3	–29 56	90	4.5	ScI	open cluster
NS003	ST19	00 04.4	56 02	3		Cas	open cluster
NS004	VB1	00 11.0	58 46	9	8.6	Cas	reflection nebula
NS005	HU11	00 28.2	55 57	5"	13.3	Cas	stellar planetary nebula
NS006	KI14	00 31.9	63 10	7	8.5	Cas	open cluster
NS007	ST24	00 39.7	61 57	4	8.8	Cas	open cluster
NS008	within M32	00 42.7	40 52	?	?	And	black hole ?
NS009	KI16	00 43.7	64 11	3	10.3	Cas	open cluster
NS010	BK4	00 45.5	64 24	5	10.6	Cas	open cluster
NS011	DO13	00 50.0	64 08	12	?	Cas	open cluster
NS012	BK62	01 01.0	63 57	10"	9.3	Cas	open cluster
NS013	NE1	01 05.1	–06 13	4	11.9	Cet	galaxy
NS014	ST3	01 12.3	62 20	2	?	Cas	open cluster
NS015	SH2188	01 30.6	58 22	10	?	Cas	emission nebula
NS016	TR1	01 35.7	61 17	4.5	8.1	Cas	open cluster
NS017	U1195	01 42.4	13 58	3	13.2	Psc	galaxy
NS018	CR463	01 48.4	71 57	30	5.7	Cas	open cluster
NS019	U1276	01 49.3	20 42	2	13.7	Ari	galaxy
NS020	U1281	01 49.6	32 35	4.7	12.6	Tri	galaxy
NS021	CR21	01 50.1	27 15	6	8.2	Tri	open cluster
NS022	ST4	01 52.8	57 04	20	?	Per	open cluster
NS023	U1551	02 03.6	24 04	3	13.3	Ari	galaxy
NS024	ST5	02 04.5	64 26	15	?	Cas	open cluster
NS025	Markarian 486	02 08.0	02 43	155"	15.4	Cet	quasar
NS026	ST2	02 15.0	59 16	60	4.4	Cas	open cluster
NS027	BA10	02 18.8	58 19	30	9.9	Per	open cluster
NS028	MA6	02 29.6	60 39	4.5	7.1	Cas	open cluster
NS029	CZ8	02 33.0	58 44	7	9.7	Per	open cluster
NS030	U2023	02 33.3	33 30	2.6	13.1	Tri	galaxy
NS031	KI4	02 35.7	59 00	3	10.5	Cas	open cluster
NS032	MF1	02 36.3	59 39	14	11.4	Cas	galaxy
NS033	TR2	02 37.3	55 59	20	5.9	Per	open cluster
NS034	U2105	02 37.7	34 26	1.5	13.5	Tri	galaxy
NS035	BK65	02 39.0	60 25	5	10.2	Cas	open cluster
NS036	CZ13	02 44.7	62 21	6	10.4	Cas	open cluster
NS037	Abell4	02 45.4	42 33	22"	14.4	Per	stellar planetary nebula
NS038	DD1	02 47.4	17 12	12	?	Ari	open cluster
NS039	VB8	02 51.6	67 52	6	8.5	Cas	reflection nebula
NS040	CR31	02 59.3	60 24	40	5.9	Cas	open cluster
NS041	CR34	03 00.9	60 25	25	6.8	Cas	open cluster
NS042	TR3	03 11.4	63 14	15	7	Cas	open cluster
NS043	KI5	03 14.6	52 45	7	?	Per	open cluster
NS044	ST23	03 16.3	60 02	15	?	Cam	open cluster
NS045	ME20	03 22.0	49 00	185	1.2	Per	open cluster
NS046	VB16	03 28.3	29 43	11	?	Ari	reflection nebula
NS047	B2	03 32.1	31 25	160	?	Per	dark nebula
NS048	B1	03 32.1	31 25	160	?	Per	dark nebula
NS049	B202	03 32.1	31 25	160	?	Per	dark nebula
NS050	ME14	03 41.8	52 17	5"	13.6	Per	stellar planetary nebula
NS051	B3	03 44.0	31 47	100	?	Per	dark nebula
NS052	B4	03 44.0	31 47	100	?	Per	dark nebula
NS053	60 STARS	03 47.8	59 03	17	8.4	Cam	open cluster
NS054	B5	03 48.0	32 54	22	?	Per	dark nebula
NS055	VB24	03 49.6	38 57	9	?	Per	reflection nebula
NS056	BD1	03 53.5	19 28	38"	13.9	Tau	planetary nebula ring
NS057	DO14	04 19.0	27 26	12	?	Tau	open cluster
NS058	BK11	04 20.6	44 55	6	10.4	Per	open cluster
NS059	CR50	04 27.0	16 00	45	6.4	Tau	open cluster
NS060	BK68	04 44.5	42 04	12	9.8	Per	open cluster

Anonymous Non–Stellar (Continued)

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NS061	RU148	04 46.5	44 44	3	9.5	Per	open cluster
NS062	B27	04 55.2	30 35	20	?	Aur	dark nebula
NS063	B26	04 55.2	30 35	20	?	Aur	dark nebula
NS064	B28	04 55.2	30 35	20	?	Aur	dark nebula
NS065	VB31	04 55.7	30 33	9	?	Aur	reflection nebula
NS066	CZ19	04 57.0	28 47	18	?	Aur	open cluster
NS067	DO15	05 04.5	34 50	18	?	Aur	open cluster
NS068	B29	05 06.2	31 44	10	?	Aur	dark nebula
NS069	DO16	05 14.6	32 43	12	?	Aur	open cluster
NS070	SH2223	05 17.2	42 12	70	?	Aur	emission nebula
NS071	U3273	05 17.7	53 33	6.9	?	Aur	galaxy
NS072	CZ20	05 20.1	39 28	18	?	Aur	open cluster
NS073	BK17	05 20.6	30 36	14	?	Aur	open cluster
NS074	BK18	05 22.2	45 24	20	16	Aur	open cluster
NS075	DO17	05 22.4	07 07	12	?	Ori	asterism
NS076	CR62	05 22.5	41 00	28	4.2	Aur	open cluster
NS077	KI22	05 22.9	45 28	14	?	Aur	open cluster
NS078	DO19	05 23.7	08 11	24	?	Ori	open cluster
NS079	DD2	05 23.9	11 28	12	?	Ori	open cluster
NS080	DO18	05 24.1	33 18	12	?	Aur	open cluster
NS081	BK19	05 24.1	29 36	7	11.4	Aur	open cluster
NS082	BK70	05 25.7	41 54	12	15	Aur	open cluster
NS083	CR65	05 26.0	16 00	220	3	Ori	open cluster
NS084	SH2224	05 27.3	42 59	20	?	Aur	emission nebula
NS085	DO21	05 27.4	07 04	12	?	Ori	open cluster
NS086	ST8	05 27.6	34 25	5	9	Aur	open cluster
NS087	DO20	05 28.6	33 47	12	?	Aur	open cluster
NS088	DD3	05 33.7	26 29	15	?	Tau	open cluster
NS089	CR70 BELT	05 35.0	−01 00	150	?	Ori	open cluster
NS090	CR69	05 35.1	09 56	65	2.8	Ori	open cluster
NS091	DD4	05 35.9	26 29	28	?	Tau	open cluster
NS092	ST10	05 39.0	37 56	25	11.3	Aur	open cluster
NS093	SH2231	05 39.4	35 56	10	?	Aur	emission nebula
NS094	B33 Horsehead	05 40.9	−02 28	6	?	Ori	dark nebula
NS095	SH2235	05 41.1	35 52	10	10.9	Aur	emission nebula
NS096	B34	05 43.5	32 39	20	?	Aur	dark nebula
NS097	CE59	05 45.3	09 04	3	?	Ori	emission nebula
NS098	B35	05 45.5	09 03	20	?	Ori	dark nebula
NS099	SH2276	05 48.0	−01 00	600	?	Ori	emission nebula
NS100	BA4	05 48.5	30 13	8	9.1	Aur	open cluster
NS101	KI8	05 49.4	33 38	8	11.2	Aur	open cluster
NS102	BA112	05 58.2	21 58	10	8.9	Ori	open cluster
NS103	SH2241	06 04.1	30 15	10	?	Aur	emission nebula
NS104	CR80	06 05.0	24 00	8.4	8.4	Gem	open cluster
NS105	SH2247	06 08.5	21 37	10	?	Gem	emission nebula
NS106	CE62	06 09.2	18 41	3	?	Ori	reflection nebula
NS107	CR89	06 18.0	23 38	35	5.7	Gem	open cluster
NS108	ao620.00 8 solar mass	06 20.0	00 00	?	?	Mon	black hole ?
NS109	CR91	06 21.7	02 22	17	6.4	Mon	open cluster
NS110	CR92	06 22.9	05 07	11	8.6	Mon	open cluster
NS111	DO22	06 23.3	04 39	18	?	Mon	open cluster
NS112	BO1	06 25.5	19 46	?	7.9	Gem	open cluster
NS113	RU2	06 27.0	−29 33	7	?	CMa	open cluster
NS114	CR96	06 30.3	02 52	8	7.3	Mon	open cluster
NS115	CR95	06 30.5	09 56	19	?	Mon	open cluster
NS116	U3475	06 30.5	39 23	3.9	?	Aur	galaxy
NS117	CR97	06 31.3	05 55	21	5.4	Mon	open cluster
NS118	B37	06 32.8	10 38	180	?	Mon	dark nebula
NS119	B39	06 32.8	10 38	180	?	Mon	dark nebula
NS120	RU1	06 36.4	14 11	11	?	Gem	open cluster

Anonymous Non–Stellar (Continued)

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NS121	CR104	06 36.5	04 49	22	9.6	Mon	open cluster
NS122	BA7	06 36.6	08 21	?	9.8	Mon	open cluster
NS123	CR106	06 37.1	05 57	45	4.6	Mon	open cluster
NS124	TR5	06 37.6	09 26	8	10.9	Mon	open cluster
NS125	CR107	06 37.7	04 44	35	5.1	Mon	open cluster
NS126	SH2282	06 38.0	01 31	40	?	Mon	emission nebula
NS127	CR110	06 38.4	02 01	12	10.5	Mon	open cluster
NS128	CR111	06 38.7	06 54	3.2	7	Mon	open cluster
NS129	DO23	06 43.2	00 00	12	?	Mon	open cluster
NS130	DO24	06 44.2	01 36	18	?	Mon	open cluster
NS131	DO25	06 45.1	00 18	24	7.6	Mon	open cluster
NS132	CR115	06 46.5	01 46	7	9.2	Mon	open cluster
NS133	RU3	06 47.0	–29 27	2.8	?	CMA	open cluster
NS134	BO2	06 48.9	00 23	?	9.7	Mon	open cluster
NS135	BI10	06 52.2	02 56	4	10.4	Mon	open cluster
NS136	U3587	06 53.8	19 18	6.3	13.4	Gem	galaxy
NS137	CR121	06 54.2	–24 38	50	2.6	CMA	open cluster
NS138	BI8	06 58.1	06 26	6	?	Mon	open cluster
NS139	TO1	06 58.2	–20 24	6	9	CMA	open cluster
NS140	RU9	06 59.8	–21 51	1.4	?	CMA	open cluster
NS141	TO2	07 01.2	–20 47	3	11	CMA	open cluster
NS142	M31	07 02.8	–31 35	12	?	CMA	stellar planetary nebula
NS143	BO3	07 03.4	–05 04		9.9	Mon	open cluster
NS144	RU10	07 04.2	–20 02	4.5	9	CMA	open cluster
NS145	GU1	07 04.3	–10 28	20	?	Mon	emission nebula
NS146	GU2	07 05.1	–10 42	120	?	Mon	emission nebula
NS147	CE90	07 05.2	–12 20	10	?	CMA	emission nebula
NS148	CR465	07 07.2	–10 37	9	10.1	Mon	open cluster
NS149	CR466	07 07.3	–10 49	4	11.1	Mon	open cluster
NS150	RU11	07 07.4	–20 48	2.9	?	CMA	open cluster
NS151	HA23	07 09.4	–16 57	11	?	CMA	open cluster
NS152	SH2301	07 09.8	–18 29	8	?	CMA	emission nebula
NS153	CR132	07 14.4	–31 10	95	3.6	CMA	open cluster
NS154	HA5	07 16.0	–22 34	5	10	CMA	open cluster
NS155	SH2294	07 16.6	–09 26	8	?	Mon	emission nebula
NS156	CR135	07 17.0	–36 51	50	2.1	Pup	open cluster
NS157	BA111	07 17.1	–13 58	9	8.2	CMA	open cluster
NS158	VB96	07 19.6	–23 58	10	?	CMA	reflection nebula
NS159	HA6	07 20.1	–13 08	4	9.2	CMA	open cluster
NS160	U3808	07 21.1	25 09	2.4	14.5	Gem	galaxy
NS161	RU16	07 23.2	–19 27	11	?	CMA	open cluster
NS162	HA8	07 23.4	–12 20	4.2	9.1	CMA	open cluster
NS163	RU19	07 23.5	–21 25	8	8	CMA	open cluster
NS164	CR140	07 23.9	–32 12	42	3.5	CMA	open cluster
NS165	RU18	07 24.8	–26 13	4	9.4	CMA	open cluster
NS166	TR6	07 26.1	–24 18	6	10	CMA	open cluster
NS167	MK33	07 26.6	–05 22	13		Mon	stellar planetary nebula
NS168	RU20	07 26.7	–28 53	10	9.5	CMA	open cluster
NS169	TR7	07 27.3	–24 02	5	7.9	Pup	open cluster
NS170	CZ29	07 28.3	–15 24	8	10.3	Pup	open cluster
NS171	HA10	07 28.6	–15 23	1.6	11.5	Pup	open cluster
NS172	Abell21 MEDUSA	07 29.0	13 15	?	?	Gem	stellar planetary nebula
NS173	DO26	07 30.1	11 54	24	?	CMi	open cluster
NS174	BO5	07 30.4	–17 04	?	7	Pup	open cluster
NS175	BO4	07 31.0	–16 57	?	7.3	Pup	open cluster
NS176	GU6	07 31.6	–16 58	20	?	Pup	emission nebula
NS177	RU24	07 31.9	–12 45	2	?	Pup	open cluster
NS178	BO6	07 32.0	–19 26	?	9.9	Pup	open cluster
NS179	VB97	07 32.6	–16 54	2	?	Pup	reflection nebula
NS180	RU26	07 34.9	–15 32	4	?	Pup	open cluster

Anonymous Non–Stellar (Continued)

<u>No.</u>	<u>Name</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
NS181	GU7	07 35.5	–18 46	4.4	?	Pup	emission nebula
NS182	VB98	07 36.4	–25 20	15	?	Pup	reflection nebula
NS183	ME71	07 37.5	–12 04	9	7.1	Pup	open cluster
NS184	RU27	07 37.5	–26 36	18	?	Pup	open cluster
NS185	U3937	07 37.6	35 37	2.1	14.2	Lyn	galaxy
NS186	ME72	07 38.4	–10 41	9	10.1	Mon	open cluster
NS187	CR156	07 38.4	–10 41	9	10.1	Mon	open cluster
NS188	BO15	07 40.1	–33 33	?	6.3	Pup	open cluster
NS189	U3964	07 40.3	–01 35	3.7	?	Mon	galaxy
NS190	HA13	07 40.5	–30 07	15	?	Pup	open cluster
NS191	RU151	07 41.3	–16 15	15	?	Pup	open cluster
NS192	U3974	07 41.9	16 48	5	13.3	Gem	galaxy
NS193	RU30	07 42.4	–31 28	4	?	Pup	open cluster
NS194	RU31	07 42.7	–35 35	2	11	Pup	open cluster
NS195	RU32	07 45.0	–25 31	6	8.4	Pup	open cluster
NS196	HA15	07 45.3	–32 47	3.5	9.4	Pup	open cluster
NS197	RU34	07 45.9	–20 23	4	9.5	Pup	open cluster
NS198	BK39	07 46.7	–04 36	12	?	Mon	open cluster
NS199	RU36	07 48.5	–26 18	4	9.6	Pup	open cluster
NS200	HA16	07 50.3	–25 27	1.1	10	Pup	open cluster
NS201	HA18	07 52.5	–26 22	1	9.3	Pup	open cluster
NS202	HA19	07 52.7	–26 15	1.8	9.4	Pup	open cluster
NS203	TR9	07 55.3	–25 56	6	8.7	Pup	open cluster
NS204	HA20	07 56.3	–30 24	1.8	11	Pup	open cluster
NS205	RU43	07 58.7	–28 55	14	?	Pup	open cluster
NS206	RU44	07 59.0	–28 35	5	7.2	Pup	open cluster
NS207	RU45	07 59.1	–16 18	11	?	Pup	open cluster
NS208	HA21	08 01.2	–27 10	1.1	10.3	Pup	open cluster
NS209	RU46	08 02.1	–19 28	2	9.1	Pup	open cluster
NS210	RU47	08 02.3	–31 06	5	9.6	Pup	open cluster
NS211	RU49	08 03.1	–26 47	2.5	9.6	Pup	open cluster
NS212	RU53	08 10.8	–27 01	18	?	Pup	open cluster
NS213	RU55	08 12.3	–32 36	17	7.8	Pup	open cluster
NS214	RU56	08 12.6	–40 28	42	9	Pup	open cluster
NS215	VB23	08 14.4	–36 24	13	?	Pup	open cluster
NS216	RU59	08 19.1	–34 27	5	9	Pup	open cluster
NS217	CR185	08 22.5	–36 10	9	7.8	Pup	open cluster
NS218	CR187	08 24.2	–29 09	7	9.6	Pup	open cluster
NS219	RU157	08 29.8	–19 06	17	?	Pyx	open cluster
NS220	RU62	08 32.5	–19 39	7	?	Pyx	open cluster
NS221	H3	08 44.6	–52 36	7	6	Vel	open cluster
NS222	CR196	08 45.0	–31 38	5	10.5	Pyx	open cluster
NS223	CR198	08 45.3	–31 46	6	11.2	Pyx	open cluster
NS224	OJ 287	08 54.0	20 05	306"	14	Cnc	quasar
NS225	SH2290	08 54.2	08 55	16	12.2	Cnc	stellar planetary nebula
NS226	Abell33	09 39.1	–02 48	4.5	13.4	Hya	planetary nebula large faint
NS227	NGC3115 1B solar mass	10 05.2	–07 43	?	?	Sex	black hole ?
NS228	ME101	10 40.4	–64 50	15	?	Car	open cluster
NS229	Markarian 421	11 04.0	38 12	31"	13.4	UMa	quasar
NS230	Markarian 180	11 36.0	70 09	46"	14.5	Dra	quasar
NS231	ngc4261 10M solar mass	12 19.4	05 49	?	?	Vir	black hole ?
NS232	Markarian 205	12 21.0	75 18	70"	14.5	Dra	quasar
NS233	H5	12 25.2	–60 29	7	?	Cru	open cluster
NS234	3c–273	12 29.0	02 03	158"	12.5	Vir	quasar
NS235	NGC4486	12 30.8	12 24	?	?	Vir	black hole ?
NS236	H6	12 35.0	–68 10	7	?	Mus	open cluster
NS237	H7	12 35.9	–60 20	18	?	Cru	open cluster
NS238	H8	13 15.0	–66 49	4	?	Mus	open cluster
NS239	NGC5194 15M solar mass	13 29.9	47 12	?	?	CVn	black hole ?
NS240	ap	15 17.0	–24 22	49"	14.8	Lib	quasar

Anonymous Non–Stellar (Continued)

<u>No.</u>	<u>Name</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
NS241	MR21	15 19.5	23 27	6"	12	Ser	stellar planetary nebula
NS242	H9	15 30.0	−53 26	2	11	Nor	open cluster
NS243	U10054	15 44.0	81 50	2.3	13.8	UMi	galaxy
NS244	Abell2151	16 06.0	18 00	?	?	Her	galaxy cluster
NS245	H10	16 15.8	−54 52	30	?	Nor	open cluster
NS246	DD5	16 27.4	38 05	27	?	Her	open cluster
NS247	H11	16 31.6	−49 30	7	?	Nor	open cluster
NS248	DD6	16 45.3	38 17	17	?	Her	open cluster
NS249	H12	16 52.7	−40 38	40	?	Sco	open cluster
NS250	Markarian 501	16 53.0	39 45	34"	13.9	Her	quasar
NS251	NGC6240 40B solar mass	16 53.0	02 24	?	?	Oph	black hole ?
NS252	LY14	16 55.2	−45 19	2	9.7	Sco	open cluster
NS253	H13	17 01.7	−48 06	15	?	Ara	open cluster
NS254	B244	17 10.1	−28 24	30	?	Oph	dark nebula
NS255	DD7	17 10.6	15 32	20	?	Her	open cluster
NS256	B250	17 13.1	−28 21	15	?	Oph	dark nebula
NS257	B64	17 17.2	−18 32	20	?	Oph	dark nebula
NS258	BO13	17 17.3	−35 33	?	7.2	Sco	open cluster
NS259	VB111	17 19.0	06 05	12	6.5	Oph	reflection nebula
NS260	B72	17 21.0	−23 35	30	?	Oph	dark nebula
NS261	RU123	17 23.4	−37 57	9	?	Sco	open cluster
NS262	B70	17 23.5	−23 58	4	?	Oph	dark nebula
NS263	H14	17 24.5	−38 63	6	?	Sco	open cluster
NS264	B74	17 25.2	−24 12	15	?	Oph	dark nebula
NS265	PI24	17 25.3	−34 21	4	9.6	Sco	open cluster
NS266	H15	17 26.0	−29 29	10	9	Oph	open cluster
NS267	DD8	17 26.2	24 11	14	?	Her	open cluster
NS268	TR26	17 28.5	−29 29	7	9.5	Oph	open cluster
NS269	RU125	17 29.7	−40 30	14	?	Sco	open cluster
NS270	AN2	17 29.7	−32 30	?	8.8	Sco	asterism
NS271	CR333	17 31.3	−34 05	5	9.8	Sco	open cluster
NS272	H16	17 31.4	−36 51	15	?	Sco	open cluster
NS273	RU127	17 37.7	−36 16	8	8.8	Sco	open cluster
NS274	CR338	17 38.2	−37 34	25	8	Sco	open cluster
NS275	H17	17 41.6	−40 06	9	7.5	Sco	open cluster
NS276	PA6	17 43.7	−26 13	7.2	11.8	Oph	scattered group of stars
NS277	CR345	17 44.6	−33 45	6	10.9	Sco	asterism
NS278	TZ5	17 48.1	−24 47	2.1	13.9	Sgr	scattered group of stars
NS279	H18	17 56.5	−35 19	10	8.8	Sco	open cluster
NS280	B289	17 56.6	−29 01	35	?	Sgr	dark nebula
NS281	B86	18 00.0	−27 50	4.5	?	Sgr	dark nebula
NS282	TZ9	18 01.8	−26 52	?	16	Sgr	scattered group of stars
NS283	B85	18 02.6	−23 02	?	?	Sgr	dark nebula
NS284	TZ10	18 03.6	−26 05	0.3	14.9	Sgr	scattered group of stars
NS285	B89	18 03.8	−24 23	2	?	Sgr	dark nebula
NS286	B88	18 03.8	−24 23	2.7	?	Sgr	dark nebula
NS287	B91	18 05.6	−23 27	?	?	Sgr	dark nebula
NS288	DD9	18 08.8	31 32	34	?	Her	open cluster
NS289	TZ11	18 12.1	−22 44	?	16.4	Sgr	scattered group of stars
NS290	B87	18 14.3	−32 30	12	?	Sgr	dark nebula
NS291	H19	18 14.5	−13 18	5	?	Ser	open cluster
NS292	B92	18 15.5	−18 11	12	?	Sgr	dark nebula
NS293	SH235	18 15.9	−20 15	10	5.4	Sgr	emission nebula
NS294	B93	18 16.9	−18 04	12	?	Sgr	dark nebula
NS295	DO28	18 25.4	−14 39	12	?	Sct	open cluster
NS296	VB123	18 30.5	01 11	10	9.1	Ser	reflection nebula
NS297	DO29	18 31.4	−06 38	18	?	Sct	asterism
NS298	SH264	18 31.6	−01 55	20	?	Ser	emission nebula
NS299	U11265	18 31.6	33 56	54"	14	Lyr	round galaxy
NS300	SH255	18 32.2	−11 46	20	?	Sct	emission nebula

Anonymous Non–Stellar (Continued)

<u>No.</u>	<u>Name</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
NS301	DO30	18 32.9	−06 02	18	?	Sct	asterism
NS302	DO31	18 34.9	−06 51	18	?	Sct	asterism
NS303	B103	18 39.2	−06 37	40	?	Sct	dark nebula
NS304	TR34	18 39.8	−08 29	8	9.4	Sct	open cluster
NS305	DO32	18 40.4	−04 06	12	?	Sct	open cluster
NS306	PA8	18 41.6	−19 49	1.6	11.2	Sgr	scattered group of stars
NS307	TR35	18 42.9	−04 08	9	9.2	Sct	open cluster
NS308	BA1	18 48.2	−05 51	9	8.9	Sct	open cluster
NS309	MR164	18 50.0	35 15	18"	13.3	Lyr	stellar planetary nebula
NS310	HA85	18 52.9	−54 36	0.7	12.4	Tel	galaxy
NS311	SP1	18 53.5	36 55	20	3.8	Lyr	open cluster
NS312	MK165	18 54.2	10 48	4"	?	Aql	stellar planetary nebula
NS313	U11380	18 56.8	36 37	1.7	13.7	Lyr	galaxy
NS314	B129	19 01.6	−05 26	20	?	Aql	dark nebula
NS315	B130	19 01.6	−05 26	20	?	Aql	dark nebula
NS316	B127	19 01.6	−05 26	20	?	Aql	dark nebula
NS317	U11397	19 03.8	33 51	1.3	13.6	Lyr	galaxy
NS318	B132	19 04.1	−04 28	16	?	Aql	dark nebula
NS319	B328	19 04.1	−04 28	16	?	Aql	dark nebula
NS320	RO4	19 04.9	29 13	?	10	Lyr	open cluster
NS321	B134	19 06.9	−06 14	6	?	Aql	dark nebula
NS322	B133	19 06.9	−06 50	10	?	Aql	dark nebula
NS323	radio emmtter in SGR A	19 08.0	−36 20	?	?	Sag	black hole ?
NS324	TZ7	19 17.7	−34 40	?	12	Sgr	scattered group of stars
NS325	PA10	19 18.2	18 34	3.5	?	Sge	scattered group of stars
NS326	CR399	19 25.4	20 11	60	3.6	Vul	open cluster
NS327	VB126	19 27.1	22 43	7	?	Vul	reflection nebula
NS328	binary black hole in quasar	19 28.0	73 48	?	?	Dra	black hole ?
NS329	SH282	19 30.3	18 16	7	?	Sge	emission nebula
NS330	ST1	19 35.8	25 13	60	5.3	Vul	open cluster
NS331	MK192 FOOTPRINT	19 36.3	29 33	10"	11.7	Cyg	reflection nebula
NS332	B337	19 36.8	12 27	3	?	Aql	dark nebula
NS333	MR11	19 36.9	15 50	12"	12.6	Aql	stellar planetary nebula
NS334	MK174	19 40.0	15 02	9"	?	Aql	stellar planetary nebula
NS335	B143	19 40.7	10 57	80	?	Aql	dark nebula
NS336	B144	19 40.7	10 57	80	?	Aql	dark nebula
NS337	B142	19 40.7	10 57	40	?	Aql	dark nebula
NS338	TZ8	19 41.7	−34 00	?	12.4	Sgr	scattered group of stars
NS339	SH288	19 46.0	25 20	18	?	Vul	emission nebula
NS340	SH284	19 49.0	18 24	15	?	Sge	emission nebula
NS341	B340	19 49.1	01 25	7	?	Aql	dark nebula
NS342	SH290	19 49.3	26 52	8	?	Vul	emission nebula
NS343	H20	19 53.1	18 20	7	7.7	Sge	open cluster
NS344	SH2101	20 00.0	35 17	16	9	Cyg	emission nebula
NS345	CE174	20 02.8	36 58	15	?	Cyg	emission nebula
NS346	B145	20 03.5	86 02	35	?	Dra	dark nebula
NS347	VB128	20 04.6	32 15	8	5.6	Cyg	reflection nebula
NS348	SH2104	20 17.8	36 44	7	?	Cyg	emission nebula
NS349	CR419	20 19.0	40 47	4	5.4	Cyg	open cluster
NS350	DO5	20 20.5	39 23	10	?	Cyg	open cluster
NS351	NE5	20 21.0	−44 10	1.4	12.5	Sgr	galaxy
NS352	CR421	20 24.1	41 47	6	10	Cyg	open cluster
NS353	VB133	20 30.7	36 56	10	6.2	Cyg	reflection nebula
NS354	SH2112	20 33.9	45 39	9	8.8	Cyg	emission nebula
NS355	CYG–X1 16 solar mass	20 48.3	34 40	?	?	Cyg	black hole ?
NS356	B356	21 01.9	06 31	24	?	Equ	dark nebula
NS357	CR428	21 03.2	44 35	10	8.7	Cyg	open cluster
NS358	VB140	21 17.5	58 36	16	6.4	Cep	reflection nebula
NS359	NE6	21 20.0	−46 00	4	12.9	Ind	galaxy
NS360	Abell75	21 26.4	62 53	0.95	17	Cep	stellar planetary nebula

Anonymous Non–Stellar (Continued)

<u>No.</u>	<u>Name</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
NS361	B363	21 26.6	08 36	40	?	Peg	dark nebula
NS362	HU21	21 33.1	39 38	5"	12.7	Cyg	stellar planetary nebula
NS363	VB143	21 37.1	68 12	8	8.3	Cep	reflection nebula
NS364	VB142	21 37.1	57 29	1	8.8	Cep	reflection nebula
NS365	VB145	21 43.7	48 55	9	7.4	Cyg	reflection nebula
NS366	PA12	21 46.5	–21 14	2.9	?	Cap	scattered group of stars
NS367	B170	21 58.9	58 45	26	?	Cep	dark nebula
NS368	B171	21 58.9	58 45	19	?	Cep	dark nebula
NS369	bl	22 02.0	42 16	70"	14.7	Lac	quasar
NS370	B173	22 07.4	59 10	40	?	Cep	dark nebula
NS371	B174	22 07.4	59 10	40	?	Cep	dark nebula
NS372	CE199	22 11.6	58 45	13	5	Cep	emission nebula
NS373	KI9	22 13.6	54 09	2.5	14	Lac	open cluster
NS374	VB152	22 13.6	70 18	12	8.8	Cep	reflection nebula
NS375	B169	22 58.9	58 45	60	?	Cas	dark nebula
NS376	CZ43	23 25.8	61 19	14	?	Cas	open cluster
NS377	HB12	23 26.9	58 11	10"	14	Cas	stellar planetary nebula
NS378	ST12	23 37.2	52 26	20	?	Cas	open cluster
NS379	Abell82	23 45.8	57 04	1.6	13	Cas	stellar planetary nebula
NS380	Abell84	23 47.7	51 24	2.1	14.4	Cas	stellar planetary nebula
NS381	CE211	23 48.8	–15 17	2	6.4	Aqr	emission nebula
NS382	KI21	23 49.9	62 43	2.5	?	Cas	open cluster
NS383	KI12	23 53.0	61 58	2	?	Cas	open cluster
NS384	H21	23 54.1	61 46	4	9	Cas	open cluster
NS385	VB150	23 55.1	76 37	11	8.4	Cep	reflection nebula
NS386	FR1	23 57.4	61 38	?	9.2	Cas	open cluster

Stars

<u>No.</u>	<u>Name</u>	<u>Greek</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
ST001	Z		00 00.1	25 53	*	7.7	Peg	variable star
ST002	SU		00 02.0	43 16	*	8.1	And	red variable star
ST003	W		00 02.1	-14 41	*	7.1	Cet	variable star
ST004	Σ3053		00 02.6	66 06	15.2"	5.9	Cas	triple star
ST005	SV		00 04.3	40 07	*	7.7	And	variable star
ST006	0Σ514		00 04.6	42 06	5.2"	6.1	And	double star
ST007	Σ3062		00 06.3	58 26	1.2"	6.4	Cas	double star
ST008	Alpheratz	alpha	00 08.4	29 05	*	2.1	And	star
ST009	Caph	beta	00 09.2	59 09	*	2.3	Cas	star
ST010	K		00 09.3	-27 59	1.4"	6.1	Scl	double star
ST011	Algenib	gamma	00 13.2	15 11	*	2.8	Peg	star
ST012	ST		00 14.2	50 01	*	9.7	Cas	red variable star
ST013	35	35	00 15.0	08 49	11.8"	5.8	Psc	double star
ST014	Σ13		00 16.2	76 57	0.9"	7	Cep	double star
ST015	H1947		00 16.4	43 36	9.2"	6.2	And	double star
ST016	VX		00 17.2	44 26	*	8.7	And	red variable star
ST017	TV		00 19.3	59 08	*	7.2	Cas	variable star
ST018	VX		00 19.9	44 43	*	7.8	And	variable star
ST019	T		00 21.8	-20 03	*	5	Cet	variable star
ST020	42		00 22.4	13 29	28.5"	6.2	Psc	double star
ST021	T		00 22.4	27 00	*	7.7	And	variable star
ST022	T		00 23.2	55 48	*	6.9	Cas	variable star
ST023	R		00 24.0	38 35	*	5.8	And	variable star
ST024	S		00 24.1	-09 20	*	7.6	Cet	variable star
ST025	AQ		00 24.9	35 19	*	7.5	And	red variable star
ST026	TU		00 26.3	51 17	*	6.8	Cas	variable star
ST027	Ankaa	alpha	00 26.3	-42 18	*	2.4	Phe	star
ST028	Σ30		00 27.2	49 59	15.2"	6.9	Cas	double star
ST029	beta	beta	00 31.5	-62 58	2.4"	4.4	Tuc	double star
ST030	14		00 31.8	54 31	0.5"	5.3	Cas	double star
ST031	51		00 32.4	06 57	27.5"	5.7	Psc	double star
ST032	TU		00 32.4	26 02	*	7.8	And	variable star
ST033	29		00 36.9	33 43	35.9"	4.4	And	double star
ST034	55	55	00 39.9	21 26	6.6"	5.4	Psc	colored double star
ST035	Schedar	alpha	00 40.5	56 32	*	2.2	Cas	star
ST036	zeta	zeta	00 41.8	-56 30	0.6	4.1	Phe	double star
ST037	LAMBDA		00 42.7	-38 28	0.7"	6.7	Scl	double star
ST038	Diphda	beta	00 43.6	-17 59	*	2.0	Cet	star
ST039	21YZ		00 45.7	74 59	*	5.7	Cas	variable star
ST040	eta	eta	00 49.1	57 49	10.1"	3.4	Cas	colored double star
ST041	65	65	00 49.9	27 43	4.4"	6.3	Psc	double star
ST042	RX		00 50.1	81 58	*	7.2	Cep	variable star
ST043	RV		00 52.7	47 25	*	7.3	Cas	variable star
ST044	66		00 54.6	19 11	0.5"	6.2	Psc	double star
ST045	W		00 54.9	58 34	*	7.8	Cas	variable star
ST046	36		00 55.0	23 38	0.9"	6	And	double star
ST047	Navi	gamma	00 56.7	60 43	2.1"	2.5	Cas	double star
ST048	Σ79		01 00.1	44 43	7.8"	6	And	double star
ST049	U		01 02.3	81 53	*	6.7	Cep	variable star
ST050	26		01 03.8	01 22	16.0"	6.2	Cet	double star
ST051	psi	psi	01 05.7	21 28	30"	5.3	Psc	double star
ST052	77		01 05.8	04 55	33.0"	6.8	Psc	double star
ST053	beta	beta	01 06.1	-46 43	1.3"	3.3	Phe	double star
ST054	Mirach	beta	01 09.7	35 37	*	2.1	And	star
ST055	Z		01 13.4	25 30	*	7.4	Psc	red variable star
ST056	zeta	zeta	01 13.7	07 35	23.6"	4.9	Psc	double star
ST057	37		01 14.4	-07 55	49.7"	5.2	Cet	double star
ST058	V465		01 18.2	57 48	*	7.7	Cas	variable star
ST059	Σ108		01 18.8	37 23	6.2"	6.4	And	double star

Stars (Continued)

<u>No.</u>	<u>Name</u>	<u>Greek</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
ST060	S		01 19.7	72 37	*	7.9	Cas	variable star
ST061	R	R	01 27.0	-32 33	*	5.8	ScI	red variable star
ST062	TAU		01 36.1	-29 54	2.2"	6	ScI	double star
ST063	Achernar	alpha	01 37.7	-57 14	*	0.5	Eri	star
ST064	UV		01 38.8	-17 58	*	6.8	Cet	variable star
ST065	Σ147		01 41.7	-11 19	2.1"	6.1	Cet	double star
ST066	B870		01 44.3	57 32	1.0"	6.4	Cas	double star
ST067	EPSILON		01 45.6	-25 03	4.7"	5.4	ScI	double star
ST068	1		01 50.1	22 17	7.2"	6.2	Ari	double star
ST069	alpha	alpha	01 53.1	29 35	80.6"	3.4	Tri	double star
ST070	Mesarthim	gamma	01 53.5	19 18	8.2"	4.6	Ari	colored double star
ST071	Σ186		01 55.9	01 51	1.3"	6.8	Cet	double star
ST072	lambda	lambda	01 57.9	23 36	37.4"	4.8	Ari	double star
ST073	AA		01 59.0	-22 55	*	6.2	Cet	variable star
ST074	U		01 59.6	54 49	*	7.4	Per	variable star
ST075	113		02 02.0	02 46	1.8"	4.2	Psc	double star
ST076	3		02 03.0	33 17	3.9"	5.4	Tri	double star
ST077	Σ191		02 03.2	73 51	5.5"	6.3	Cas	double star
ST078	10		02 03.7	25 56	1.3"	5.9	Ari	double star
ST079	Almach	gamma	02 03.9	42 20	10"	2.2	And	colored double star
ST080	BX		02 09.1	40 48	*	8.9	And	variable star
ST081	59		02 10.9	39 02	16.6"	6.1	And	double star
ST082	Σ227	Σ227	02 12.4	30 18	3.8"	5.3	Tri	colored double star
ST083	66		02 12.8	-02 24	16.5"	5.7	Cet	double star
ST084	Σ239		02 17.4	28 45	13.8"	7	Tri	double star
ST085	W		02 17.6	44 18	*	6.7	And	variable star
ST086	Mira	omicron	02 19.3	-02 59	*	3.0	Cet	variable star
ST087	S		02 22.9	58 35	*	7.9	Per	variable star
ST088	R		02 26.0	-00 11	*	7.2	Cet	variable star
ST089	DM		02 26.0	56 06	*	7.7	Per	variable star
ST090	iota	iota	02 29.1	67 24	2.3"	4.5	Cas	triple star
ST091	R		02 29.3	-26 06	*	7.5	For	variable star
ST092	Σ268		02 29.4	55 32	2.7"	6.8	Per	double star
ST093	Σ274		02 31.5	01 06	13.5"	7.3	Cet	double star
ST094	Polaris	alpha	02 31.8	89 16	18.3"	2.0	UMi	double star
ST095	U		02 33.7	-13 09	*	6.8	Cet	variable star
ST096	omega	omega	02 33.8	-28 14	10.8"	4.9	For	double star
ST097	30		02 37.0	24 39	38.6"	6.6	Ari	double star
ST098	Σ285		02 38.8	33 25	1.7"	7.5	Tri	double star
ST099	33		02 40.7	27 04	28.6"	5.5	Ari	double star
ST100	84		02 41.2	-00 42	4.0"	5.8	Cet	double star
ST101	86		02 43.3	03 14	2.8"	3.5	Cet	double star
ST102	13		02 44.2	49 14	20.0"	4.1	Per	double star
ST103	RY		02 45.7	48 09	*	8.5	Per	variable star
ST104	B9		02 47.1	35 33	1.7"	6.4	Per	double star
ST105	Z		02 47.9	-12 28	*	7	Eri	variable star
ST106	SS		02 48.6	01 46	*	9.4	Cet	variable star
ST107	RZ		02 48.9	69 38	*	6.2	Cas	variable star
ST108	42		02 49.3	17 28	3.2"	5.2	Ari	double star
ST109	ETA2		02 50.2	-35 51	5.0"	5.9	For	double star
ST110	15		02 50.7	55 54	28.3"	3.8	Per	multiple star
ST111	SU		02 52.0	68 53	*	5.7	Cas	variable star
ST112	RR		02 52.2	-08 16	*	7.4	Eri	variable star
ST113	T		02 55.2	-24 02	*	7.4	For	variable star
ST114	Acamar	theta	02 58.3	-40 18	8.5"	3.2	Eri	double star
ST115	Σ331		03 00.9	52 21	12.1"	5.3	Per	double star
ST116	Σ336	Σ336	03 01.4	32 24	8.5"	6.9	Per	colored double star
ST117	Menkar	alpha	03 02.3	04 05	*	2.5	Cet	star
ST118	9		03 02.7	-07 41	1.8"	5.3	Eri	double star

Stars (Continued)

No.	Name	Greek	RA	DEC	Size	Mag	Con	Description
ST119	25		03 05.2	48 50	*	3.3	Per	variable star
ST120	Σ320		03 06.1	79 25	4.6"	5.6	Cep	double star
ST121	h 3568	h 3568	03 07.5	-78 59	15.2"	5.6	Hya	double star
ST122	Algol	beta	03 08.2	40 57	*	2.1	Per	star
ST123	ALPHA		03 12.1	-28 59	5.1"	4	For	double star
ST124	B84		03 16.0	-05 55	1.0"	6.9	Eri	double star
ST125	Σ362	Σ362	03 16.3	60 02	0.8"	8.5	Cam	double star
ST126	Σ369		03 17.2	40 29	3.5"	6.7	Per	double star
ST127	X		03 19.4	-01 04	*	8.4	Cet	variable star
ST128	16		03 19.5	-21 45	5.7"	3.7	Eri	double star
ST129	Mirfak	alpha	03 24.3	49 52	*	1.8	Per	star
ST130	Y		03 24.3	44 00	*	9.5	Per	red variable star
ST131	Σ394		03 28.0	20 28	6.8"	7.1	Ari	double star
ST132	Σ422		03 36.8	00 35	6.6"	5.9	Tau	double star
ST133	U	U	03 41.8	62 39	*	7.5	Cam	red variable star
ST134	38		03 44.3	32 17	1.0"	3.8	Per	double star
ST135	S		03 46.2	-24 24	*	5.6	For	variable star
ST136	Alcyone	eta	03 47.5	24 06	*	2.9	Tau	star
ST137	30		03 48.3	11 09	9.0"	5.1	Tau	double star
ST138	H3596		03 48.5	-31 47	9.2"	8.2	For	double star
ST139	delta	delta	03 48.6	-37 37	7.9"	4.8	Eri	double star
ST140	28		03 49.2	24 08	*	4.7	Tau	variable star
ST141	SS		03 49.5	80 19	*	8	Cep	variable star
ST142	Atik	zeta	03 54.1	31 53	12.9"	2.9	Per	double star
ST143	32	32	03 54.3	-02 57	6.8"	4.8	Eri	colored double star
ST144	X		03 55.4	31 03	*	6.1	Per	variable star
ST145	Σ67	Σ67	03 57.1	61 07	1.9"	5.3	Cam	double star
ST146	45		03 57.9	40 01	8.8"	2.9	Per	double star
ST147	IQ		03 59.7	48 09	*	7.7	Per	variable star
ST148	35		04 00.7	12 29	*	3.3	Tau	variable star
ST149	RW		04 03.9	28 08	*	7.9	Tau	variable star
ST150	AG		04 06.9	33 27	*	6.7	Per	variable star
ST151	W		04 11.5	-25 08	*	7.5	Eri	variable star
ST152	47		04 13.9	09 16	1.1"	4.9	Tau	triple star
ST153	39		04 14.4	-10 15	6.4"	5	Eri	double star
ST154	ALPHA		04 14.4	-62 28	?	3.4	Ret	double star
ST155	40		04 15.2	-07 39	83.4"	4.4	Eri	double star
ST156	Keid	omicron	04 15.3	-07 39	83"	4.4	Eri	quadruple star
ST157	THETA		04 17.7	-63 15	?	6.2	Ret	double star
ST158	RY		04 22.0	28 27	*	9.3	Tau	variable star
ST159	87		04 22.4	20 49	1.9"	6	Tau	double star
ST160	B184		04 27.9	-21 30	1.5"	7.3	Eri	double star
ST161	R		04 28.3	10 10	*	7.6	Tau	variable star
ST162	80		04 30.1	15 38	1.8"	5.7	Tau	double star
ST163	Σ552	Σ552	04 31.4	40 00	9.1"	6.9	Per	double star
ST164	Σ559		04 33.5	18 01	3.1"	6.9	Tau	double star
ST165	alpha	alpha	04 34.0	-55 03	0.3"	3.3	Dor	double star
ST166	Σ570		04 35.2	-09 44	12.8"	6.7	Eri	double star
ST167	Aldebaran	alpha	04 35.9	16 31	30.4"	0.9	Tau	colored double star
ST168	NU		04 36.3	-03 21	*	3.4	Eri	variable star
ST169	SZ		04 37.2	18 33	*	6.3	Tau	variable star
ST170	HU		04 38.3	20 41	*	4.7	Tau	variable star
ST171	alpha	alpha	04 40.6	-41 52	5.6"	4.4	Cae	double star
ST172	55		04 43.6	-08 48	9.2"	6.7	Eri	double star
ST173	RZ		04 43.8	-10 41	*	7.8	Eri	variable star
ST174	ST		04 46.0	68 05	*	7.7	Cam	red variable star
ST175	AW		04 47.8	36 43	*	7.04	Per	variable star
ST176	KS		04 48.0	43 17	*	7.6	Per	variable star
ST177	TT		04 48.4	28 27	*	9	Tau	red variable star

Stars (Continued)

<u>No.</u>	<u>Name</u>	<u>Greek</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
ST178	iota	iota	04 50.9	-53 28	12.0"	5.2	Pic	double star
ST179	V		04 52.0	17 32	*	8.5	Tau	variable star
ST180	AB		04 55.8	30 33	*	6.9	Aur	variable star
ST181	R		04 57.3	-14 53	*	8.4	Lep	red variable star
ST182	Σ616	Σ616	04 59.3	37 53	6.5"	5.0	Aur	colored double star
ST183	Hinds Crimson Star	R	04 59.6	-14 48	*	5.9	Lep	red variable star
ST184	5		05 00.3	39 24	3.7"	6	Aur	double star
ST185	Σ627		05 00.6	03 37	21.3"	6.6	Ori	double star
ST186	RX		05 01.4	39 58	*	7.2	Aur	variable star
ST187	7		05 02.0	43 49	*	2.9	Aur	variable star
ST188	W		05 02.8	01 07	*	8.2	Ori	red variable star
ST189	gamma	gamma	05 04.4	-35 29	3.1"	4.6	Cae	double star
ST190	XT		05 04.8	-21 54	*	7.4	Lep	variable star
ST191	W		05 05.4	01 11	*	8.6	Ori	variable star
ST192	TX		05 05.7	38 56	*	8.8	Aur	red variable star
ST193	V430		05 06.6	09 33	*	9.4	Ori	variable star
ST194	SY		05 07.3	-05 34	*	9.5	Eri	red variable star
ST195	14		05 07.9	08 30	?	5.8	Ori	double star
ST196	Σ645		05 09.8	28 02	11.8"	6.1	Tau	triple star
ST197	Σ644		05 10.3	37 18	1.6"	6.7	Aur	double star
ST198	GQ		05 11.2	09 37	*	9	Ori	variable star
ST199	NV		05 11.3	52 52	*	3.6	Aur	variable star
ST200	RX		05 11.4	-11 51	*	5	Lep	variable star
ST201	Σ652		05 11.8	01 02	1.7"	6.1	Ori	double star
ST202	4		05 13.2	-12 56	2.6"	4.5	Lep	double star
ST203	Rigel	beta	05 14.5	-08 12	9.2"	0.1	Ori	double star
ST204	V431		05 15.9	11 58	*	9.3	Ori	variable star
ST205	AE		05 16.3	34 19	*	5.7	Aur	variable star
ST206	Capella	alpha	05 16.7	45 60	*	0.1	Aur	star
ST207	R		05 17.3	53 35	*	6.7	Aur	variable star
ST208	CD		05 17.5	20 08	*	7.2	Tau	variable star
ST209	AR17		05 18.3	33 46	*	6.1	Aur	variable star
ST210	UV		05 18.5	32 28	*	8.8	Aur	red variable star
ST211	S476		05 19.3	-19 31	39.4"	6.2	Lep	double star
ST212	BETA		05 20.4	-05 22	4.4"	6.4	Ori	double star
ST213	h3750	h3750	05 20.4	-21 14	4.2"	4.7	Lep	double star
ST214	UV		05 21.8	32 31	*	7.4	Aur	variable star
ST215	RS		05 22.2	14 41	*	8	Ori	variable star
ST216	23		05 22.8	03 33	32.1"	5	Ori	double star
ST217	eta	eta	05 24.5	-02 24	1.5"	3.4	Ori	double star
ST218	Bellatrix	gamma	05 25.1	06 21	*	1.6	Ori	star
ST219	30		05 26.8	03 06	2.7"	4.6	Ori	triple star
ST220	Nihal	beta	05 28.2	-20 46	2.6"	2.8	Lep	double star
ST221	118		05 29.3	25 09	4.8"	5.8	Tau	triple star
ST222	31		05 29.7	-01 06	12.7"	4.7	Ori	double star
ST223	CK		05 30.3	04 12	*	5.9	Ori	variable star
ST224	RT		05 30.5	07 07	*	8.4	Ori	red variable star
ST225	33		05 31.2	03 18	1.8"	5.8	Ori	double star
ST226	Mintaka	delta	05 32.0	-00 18	52.8"	2.2	Ori	double star
ST227	CE		05 32.2	18 36	*	6.1	Tau	variable star
ST228	Arneb	alpha	05 32.7	-17 49	*	2.6	Lep	star
ST229	VV		05 33.5	-01 09	*	5.1	Ori	variable star
ST230	Meissa	lambda	05 35.1	09 56	4.4"	3.6	Ori	double star
ST231	KX		05 35.1	-04 44	*	6.9	Ori	variable star
ST232	LP		05 35.2	-05 28	*	7.8	Ori	variable star
ST233	BM		05 35.3	05 23	*	7.9	Ori	variable star
ST234	Trapezium	theta	05 35.3	-05 23	8.8"	6.7	Ori	quadruple star
ST235	42		05 35.4	-04 50	1.6"	4.7	Ori	multiple star
ST236	Alnilam	epsilon	05 36.2	-01 12	*	1.7	Ori	star

Stars (Continued)

No.	Name	Greek	RA	DEC	Size	Mag	Con	Description
ST237	U		05 37.5	62 25	*	8.6	Cam	red variable star
ST238	26		05 38.6	30 30	0.2"	6	Aur	double star
ST239	H3780		05 39.3	-17 51	?	?	Lep	multiple star
ST240	Phact	alpha	05 39.6	-34 04	*	2.6	Col	star
ST241	HD78		05 39.7	-20 26	11.0"	6.9	Lep	double star
ST242	Alnitak	zeta	05 40.8	-01 57	2.4"	1.8	Ori	quadruple star
ST243	U		05 42.1	32 02	*	7.5	Aur	variable star
ST244	Y		05 42.7	20 40	*	8.2	Tau	red variable star
ST245	gamma	gamma	05 44.5	-22 27	94.9"	3.6	Lep	double star
ST246	Saiph	kappa	05 47.8	-09 40	*	2.1	Ori	star
ST247	52		05 48.0	06 27	1.6"	6.1	Ori	triple star
ST248	SU		05 49.1	19 01	*	9.1	Tau	variable star
ST249	B94		05 49.6	-14 29	2.3"	5.5	Lep	double star
ST250	56		05 52.4	01 51	43.4"	4.8	Ori	triple star
ST251	Betelgeuse	58 alpha	05 55.2	07 24	*	0.1	Ori	red variable star
ST252	59		05 58.4	01 50	36.7"	6.1	Ori	double star
ST253	60		05 58.8	00 33	19.1"	5.2	Ori	double star
ST254	RS		05 59.3	-20 13	*	9.3	Lep	variable star
ST255	theta	theta	05 59.7	37 13	3.0"	2.6	Aur	double star
ST256	CO		06 00.5	35 19	*	7.4	Aur	variable star
ST257	3		06 01.8	-10 36	1.8"	5	Mon	double star
ST258	XS		06 05.8	-24 12	*	7.1	Lep	variable star
ST259	TU		06 07.8	26 02	*	7.9	Gem	red variable star
ST260	alpha	alpha	06 10.2	-74 45	*	5.1	Men	star
ST261	41	41	06 11.6	48 43	7.7"	5.8	Aur	double star
ST262	TV		06 11.8	21 52	*	8.7	Gem	variable star
ST263	BU		06 12.3	22 54	*	5.7	Gem	variable star
ST264	ETA		06 14.9	22 30	*	3.2	Gem	variable star
ST265	Σ872		06 15.6	36 09	11.3"	6.9	Aur	double star
ST266	KS		06 17.3	-05 16	*	9.2	Mon	red variable star
ST267	SV		06 21.4	06 28	*	7.6	Mon	variable star
ST268	4		06 22.1	59 22	0.8"	6.2	Lyn	double star
ST269	BL		06 22.6	14 45	*	6.6	Ori	red variable star
ST270	V		06 22.7	-02 12	*	6	Mon	variable star
ST271	Mirzam	beta	06 22.7	-17 57	*	2.0	CMa	star
ST272	epsilon	epsilon	06 23.8	04 36	13.4"	4.5	Mon	colored double star
ST273	Canopus	alpha	06 24.0	-52 42	*	-0.7	Car	star
ST274	PSI		06 24.9	49 17	*	4.7	Aur	variable star
ST275	T		06 25.2	07 05	*	5.5	Mon	variable star
ST276	RR		06 26.4	56 17	*	5.6	Lyn	variable star
ST277	15		06 27.8	20 47	27.1"	6.6	Gem	double star
ST278	RT		06 28.6	30 30	*	5	Aur	variable star
ST279	B753		06 28.7	-32 22	1.3"	5.9	CMa	double star
ST280	11		06 28.8	-07 02	7.3"	4.7	Mon	triple star
ST281	Σ921		06 31.2	11 15	16.3"	6.1	Mon	double star
ST282	CR		06 31.5	16 07	*	9	Gem	red variable star
ST283	mu	mu	06 32.0	-58 45	2.4"	5.7	Pic	double star
ST284	20		06 32.3	17 47	20.0"	6.3	Gem	double star
ST285	WW		06 32.5	32 27	*	5.7	Aur	variable star
ST286	W		06 35.0	15 20	*	6.5	Gem	variable star
ST287	UU		06 36.3	38 26	*	5.3	Aur	red variable star
ST288	6		06 36.4	-18 40	17.5"	5.8	CMa	double star
ST289	UU	UU	06 36.5	38 27	*	5.3	Aur	red variable star
ST290	VW		06 38.9	31 30	*	8.9	Aur	red variable star
ST291	54		06 39.6	28 16	0.9"	6	Aur	double star
ST292	S		06 41.0	09 54	2.8"	4.7	Mon	double star
ST293	Σ953		06 41.2	08 59	7.1"	7.2	Mon	double star
ST294	Sirius	alpha	06 45.1	-16 43	10"	-1.5	CMa	double star
ST295	H3891		06 45.5	-30 57	4.9"	5.7	CMa	double star
ST296	12	12	06 46.2	59 27	8.5"	4.9	Lyn	quadruple star

Stars (Continued)

No.	Name	Greek	RA	DEC	Size	Mag	Con	Description
ST297	X		06 47.1	30 17	*	7.5	Gem	variable star
ST298	Σ 958		06 48.2	55 42	4.8"	6.3	Lyn	double star
ST299	GY		06 50.7	-04 31	*	8.3	Mon	red variable star
ST300	BG		06 53.7	07 08	*	9.8	Mon	red variable star
ST301	Σ 987		06 54.1	-05 51	1.2"	7.1	Mon	double star
ST302	38	38	06 54.6	13 11	0	4.7	Gem	colored double star
ST303	19		06 55.6	-20 08	11.6"	9.7	CMa	double star
ST304	RV		06 55.7	06 14	*	7.9	Mon	red variable star
ST305	mu	mu	06 56.1	-14 03	3"	5.3	CMa	double star
ST306	X		06 57.2	-09 04	*	6.9	Mon	variable star
ST307	15		06 57.3	58 25	0.9"	4.8	Lyn	double star
ST308	Adhara	epsilon	06 58.6	-28 58	7.4"	1.5	CMa	double star
ST309	R		07 01.3	55 20	*	7.2	Lyn	variable star
ST310	VY		07 03.7	-25 46	*	6.5	CMa	variable star
ST311	Z		07 03.7	-11 33	*	8.8	CMa	variable star
ST312	ZETA		07 04.1	20 34	*	3.6	Gem	variable star
ST313	W		07 05.7	-11 51	*	7.9	CMa	red variable star
ST314	Σ 1009		07 05.7	52 45	4.1"	6.9	Lyn	double star
ST315	B328		07 06.7	-11 18	0.6"	5.7	CMa	multiple star
ST316	RY		07 06.9	-07 33	*	7.7	Mon	variable star
ST317	V		07 07.0	08 53	*	7.4	CMi	variable star
ST318	R		07 07.4	22 42	*	6	Gem	variable star
ST319	W		07 08.1	-11 55	*	6.3	CMa	variable star
ST320	Wezen	delta	07 08.4	-26 24	*	1.9	CMa	star
ST321	R		07 08.7	10 01	*	7.2	CMi	variable star
ST322	gamma	gamma	07 08.7	-70 30	13.8"	5.7	Vol	double star
ST323	Σ 1037		07 12.8	27 13	1.1"	7.2	Gem	double star
ST324	BQ		07 13.4	16 10	*	6.6	Gem	variable star
ST325	L		07 13.5	-44 39	*	2.6	Pup	variable star
ST326	Σ 3945	Σ 3945	07 16.6	-23 18	26.6"	4.8	CMa	colored double star
ST327	RY		07 16.6	-11 29	*	7.7	CMa	variable star
ST328	pi	pi	07 17.1	-37 06	69"	2.7	Pup	double star
ST329	54		07 18.1	16 32	9.6"	3.6	Gem	double star
ST330	UW		07 18.7	-24 34	*	4.8	CMa	variable star
ST331	R		07 19.5	-16 24	*	5.7	CMa	variable star
ST332	55		07 20.1	21 59	5.8"	3.5	Gem	double star
ST333	19		07 22.9	55 17	14.8	5.6	Lyn	double star
ST334	V		07 23.2	13 06	*	7.8	Gem	variable star
ST335	5		07 28.0	06 57	4.0"	5.3	CMi	double star
ST336	Y		07 28.2	45 59	*	7.8	Lyn	variable star
ST337	SIGMA		07 29.2	-43 18	22.3"	3.3	Pup	double star
ST338	U		07 30.8	-09 47	*	6.1	Mon	variable star
ST339	Σ 1112		07 32.1	-08 53	23.4"	6.1	Mon	double star
ST340	VX		07 32.6	-21 56	*	7.7	Pup	variable star
ST341	S		07 32.7	08 19	*	6.6	CMi	variable star
ST342	X		07 32.8	-20 55	*	7.8	Pup	variable star
ST343	ETA		07 34.3	-23 28	9.6"	5.8	Pup	double star
ST344	Castor	alpha	07 34.6	31 53	2.0"	1.6	Gem	double star
ST345	$O\Sigma$ 175		07 35.1	30 58	0.4"	5.8	Gem	double star
ST346	K		07 38.8	-28 48	9.9"	4.5	Pup	double star
ST347	Procyon	alpha	07 39.3	05 14	*	0.4	CMi	star
ST348	Σ 1126		07 40.1	05 14	1.1"	6.6	CMi	double star
ST349	S		07 43.0	23 27	*	8.2	Gem	variable star
ST350	A 2534		07 43.1	00 11	0.6"	7	CMi	double star
ST351	kappa	kappa	07 44.4	24 24	6.8"	3.6	Gem	double star
ST352	Pollux	beta	07 45.3	28 02	29.6"	1.1	Gem	double star
ST353	2		07 45.5	-14 41	16.8"	6.1	Pup	double star
ST354	5		07 47.9	-12 12	2.2"	5.6	Pup	double star
ST355	7		07 49.3	-24 52	4.8"	3.3	Pup	double star

Stars (Continued)

<u>No.</u>	<u>Name</u>	<u>Greek</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
ST356	T		07 49.3	23 44	*	8	Gem	variable star
ST357	9		07 51.8	-13 54	0.6"	5.6	Pup	double star
ST358	AP		07 57.8	-40 07	*	7.1	Pup	variable star
ST359	V		07 58.2	-49 15	*	4.7	Pup	variable star
ST360	UX		07 59.3	-07 30	*	8	Mon	variable star
ST361	RT		08 03.6	-38 38	*	8.8	Pup	red variable star
ST362	SV		08 03.7	36 21	*	8.2	Lyn	variable star
ST363	RU		08 05.3	-22 46	*	10	Pup	red variable star
ST364	Σ1183		08 06.5	-09 15	30.9"	6	Mon	double star
ST365	Regor	gamma	08 09.5	-47 20	41"	1.8	Vel	double star
ST366	zeta	zeta	08 12.2	17 39	5.9"	4.7	Cnc	quadruple star
ST367	RS		08 13.1	-34 35	*	6.5	Pup	variable star
ST368	XZ		08 13.5	-23 57	*	8	Pup	variable star
ST369	H2		08 14.0	-40 21	51.1"	4.4	Pup	double star
ST370	RX		08 14.7	24 44	*	9.2	Cnc	variable star
ST371	T		08 14.7	19 51	*	7.6	Cnc	variable star
ST372	R		08 16.6	11 44	*	6.1	Cnc	variable star
ST373	H4073		08 18.2	-37 22	1.8"	7.2	Pup	double star
ST374	AC		08 20.4	-15 45	*	9.4	Pup	red variable star
ST375	Σ1193	Σ1193	08 20.7	72 24	44.4"	6.1	UMa	double star
ST376	V		08 21.7	17 17	*	7.5	Cnc	variable star
ST377	Avior	epsilon	08 22.5	-59 31	*	1.9	Car	star
ST378	24		08 26.7	24 32	5.8"	7	Cnc	double star
ST379	23		08 26.8	26 56	5.1"	6.3	Cnc	double star
ST380	RT		08 29.7	-06 19	*	7	Hya	variable star
ST381	U		08 29.9	-30 19	*	8.6	Pyx	variable star
ST382	B205		08 33.1	-24 36	0.6"	6.9	Pyx	double star
ST383	Σ1245		08 35.8	06 37	10.3"	6	Cnc	double star
ST384	AK		08 39.9	-17 18	*	6.3	Hya	variable star
ST385	X		08 40.8	50 08	*	8.1	UMa	variable star
ST386	VZ		08 40.9	09 49	*	7.2	Cnc	variable star
ST387	S		08 43.9	19 02	*	8.3	Cnc	variable star
ST388	Σ1270	Σ1270	08 45.3	-02 35	4.7"	6.2	Hya	double star
ST389	iota	iota	08 46.7	28 46	30.7"	4.0	Cnc	colored double star
ST390	11		08 46.8	06 25	2.7"	3.8	Hya	double star
ST391	Σ1282		08 50.7	35 04	3.6"	7.5	Lyn	double star
ST392	15		08 51.6	-07 11	0.9"	5.6	Hya	multiple star
ST393	X		08 52.6	17 25	*	6.8	Cnc	red variable star
ST394	S		08 53.6	03 04	*	7.4	Hya	variable star
ST395	57		08 54.2	30 35	1.4"	6	Cnc	multiple star
ST396	X	X	08 55.4	17 14	*	6.6	Cnc	red variable star
ST397	17		08 55.5	-07 58	4.1"	6.8	Hya	double star
ST398	T		08 55.7	-09 08	*	6.7	Hya	variable star
ST399	AC		08 55.9	64 58	*	9.2	UMa	variable star
ST400	RT		08 58.3	10 51	*	7.1	Cnc	variable star
ST401	Talitha	iota	08 59.2	48 02	5"	3.1	UMa	double star
ST402	TY		08 59.7	-27 49	*	6.8	Pyx	variable star
ST403	66		09 01.4	32 15	4.6"	5.9	Cnc	double star
ST404	alpha	alpha	09 02.4	-66 24	*	4.0	Vol	star
ST405	T		09 04.7	-32 23	*	6.3	Pyx	variable star
ST406	S		09 05.1	-25 05	*	8	Pyx	variable star
ST407	Σ1311		09 07.4	22 59	7.5"	6.9	Cnc	double star
ST408	Suhail	lambda	09 08.0	-43 26	*	2.2	Vel	star
ST409	K		09 08.0	-25 52	2.1"	4.6	Pyx	double star
ST410	E102		09 09.9	-30 22	17.8"	5.6	Pyx	double star
ST411	W		09 09.9	25 15	*	7.4	Cnc	variable star
ST412	13		09 10.4	67 08	3.9"	4.8	UMa	double star
ST413	RS		09 10.6	30 58	*	6.2	Cnc	variable star
ST414	h4191	h4191	09 14.4	-43 14	5.8"	5.3	Vel	double star

Stars (Continued)

<u>No.</u>	<u>Name</u>	<u>Greek</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
ST415	RT		09 14.9	51 37	*	9.1	UMa	red variable star
ST416	Σ1333		09 18.4	35 22	1.6"	6.4	Lyn	double star
ST417	38		09 18.8	36 48	2.7"	3.9	Lyn	double star
ST418	27		09 20.5	-09 33	229"	5	Hya	triple star
ST419	H4200		09 20.7	-31 46	3.1"	7.3	Pyx	double star
ST420	OΣ200		09 24.9	51 34	1.4"	6.5	UMa	double star
ST421	JC5 264		09 26.7	-28 47	0.6"	6.5	Pyx	double star
ST422	Σ1355		09 27.3	06 14	2.5"	7.5	Hya	double star
ST423	Alphard	alpha	09 27.6	-08 40	*	2.0	Hya	star
ST424	omega	omega	09 28.5	09 03	0.4"	5.4	Leo	colored double star
ST425	SEC113		09 29.9	-26 35	11.6"	5.5	Ant	double star
ST426	ZETA		09 30.8	-31 53	8.0"	6.2	Ant	double star
ST427	23		09 31.5	63 04	22.7"	3.7	UMa	double star
ST428	6		09 32.0	09 43	37.4"	5.2	Leo	double star
ST429	S		09 32.3	-28 38	*	6.4	Ant	variable star
ST430	W		09 43.8	55 57	*	7.9	UMa	variable star
ST431	R		09 47.6	11 26	*	4.4	Leo	variable star
ST432	W		09 48.4	-01 48	*	9.5	Sex	red variable star
ST433	Y		09 48.8	-22 47	*	7.9	Hya	red variable star
ST434	Y		09 51.1	-23 01	*	8.3	Hya	variable star
ST435	Σ1399		09 57.0	19 46	30.3"	7.7	Leo	double star
ST436	V		10 00.0	21 16	*	8.4	Leo	variable star
ST437	RY		10 04.3	13 59	*	9.5	Leo	variable star
ST438	alpha	alpha	10 07.9	-00 22	*	4.5	Sex	star
ST439	Regulus	alpha	10 08.4	11 58	176"	1.4	Leo	double star
ST440	55		10 16.3	17 44	1.5"	7.2	Leo	double star
ST441	Σ1415		10 17.9	71 03	16.7"	6.7	UMa	double star
ST442	RST3638		10 19.3	-12 32	0.5"	6.4	Hya	double star
ST443	Algieba	gamma	10 20.0	19 51	4.3"	2.3	Leo	colored double star
ST444	B219		10 21.6	-22 32	1.8"	6.7	Hya	double star
ST445	UY		10 29.4	23 04	*	9.5	Leo	variable star
ST446	delta	delta	10 29.6	-30 36	11"	5.6	Ant	double star
ST447	U		10 33.0	-39 18	*	6.2	Ant	red variable star
ST448	U		10 35.1	-13 07	*	5.4	Hya	red variable star
ST449	U		10 35.2	-39 34	*	8.1	Ant	variable star
ST450	U		10 37.6	-13 23	*	7	Hya	variable star
ST451	FF		10 37.9	-12 01	*	8.2	Hya	variable star
ST452	T2	T2	10 38.8	-59 10	14.5"	4.7	Car	colored double star
ST453	VY		10 41.6	67 40	*	6.3	UMa	red variable star
ST454	35	35	10 43.3	04 46	6.4"	6.3	Sex	double star
ST455	M		10 44.6	68 47	*	6.7	UMa	variable star
ST456	VY		10 45.1	67 25	*	5.9	UMa	variable star
ST457	TX		10 45.3	45 34	*	7.1	UMa	variable star
ST458	VV		10 48.8	08 40	*	9.5	Leo	variable star
ST459	W		10 53.6	13 43	*	8.9	Leo	variable star
ST460	54		10 55.6	24 45	6.5"	4.5	Leo	double star
ST461	VW		10 59.0	69 59	*	6.8	UMa	variable star
ST462	Merak	beta	11 01.8	56 23	*	2.4	UMa	star
ST463	AM		11 02.2	09 54	*	8.2	Leo	variable star
ST464	Dubhe	alpha	11 03.7	61 45	*	1.8	UMa	star
ST465	psi	psi	11 09.7	44 30	0	3	UMa	double star
ST466	S		11 10.8	05 28	*	9	Leo	variable star
ST467	TT		11 13.2	-26 28	*	7.5	Hya	variable star
ST468	Σ1520		11 16.1	52 46	12.7"	6.6	UMa	double star
ST469	53		11 18.2	31 32	1.8"	4.3	UMa	double star
ST470	Σ1527		11 19.0	14 16	1.7"	7	Leo	double star
ST471	iota	iota	11 23.9	10 32	1.0"	3.9	Leo	colored double star
ST472	ST		11 27.8	45 11	*	7.7	UMa	variable star
ST473	AF		11 27.9	15 09	*	9.5	Leo	variable star

Stars (Continued)

No.	Name	Greek	RA	DEC	Size	Mag	Con	Description
ST474	57		11 29.1	39 20	5.4"	5.3	UMa	double star
ST475	CZ		11 31.3	-04 18	*	8.5	Leo	variable star
ST476	88	88	11 31.7	14 22	15.4"	6.2	Leo	colored double star
ST477	N	N	11 32.3	-29 15	9.1"	5.8	Hya	double star
ST478	90		11 34.7	16 48	3.3"	6	Leo	double star
ST479	H4455		11 36.6	-33 34	3.3"	5.8	Hya	double star
ST480	Σ1559		11 38.8	64 21	2.1"	6.8	UMa	double star
ST481	AK		11 40.8	13 05	*	8.4	Leo	variable star
ST482	RU		11 41.7	38 29	*	8.5	UMa	variable star
ST483	TV		11 45.6	35 54	*	8.3	UMa	variable star
ST484	Denebola	beta	11 49.1	14 34	39"	2.1	Leo	colored double star
ST485	beta	beta	11 52.9	-33 54	1.2"	4.8	Hya	double star
ST486	Phecda	gamma	11 53.8	53 42	*	2.4	UMa	star
ST487	Z		11 56.5	57 52	*	7.9	UMa	variable star
ST488	X		12 01.9	09 04	*	7.3	Vir	variable star
ST489	R		12 04.0	18 49	*	7.1	Com	variable star
ST490	2		12 04.3	21 28	3.7"	5.9	Com	double star
ST491	RW		12 07.2	-06 46	*	8.6	Vir	variable star
ST492	JC17		12 10.0	-34 42	3.4"	6.4	Hya	double star
ST493	D	D	12 14.0	-45 43	2.9"	5.6	Cen	double star
ST494	Gienah	gamma	12 15.8	-17 33	*	2.6	Crv	star
ST495	2	2	12 16.1	40 40	11.4"	5.8	CVn	colored double star
ST496	Σ1624		12 16.7	39 36	6.1"	7.2	CVn	double star
ST497	ΟΣ245		12 17.5	28 56	9.8"	5.7	Com	double star
ST498	Σ1627		12 18.2	-03 57	20.1'	6.6	Vir	double star
ST499	Σ1632		12 20.2	37 54	10.2"	6.8	CVn	double star
ST500	RY		12 20.5	61 19	*	6.7	UMa	variable star
ST501	Σ1633		12 20.7	27 03	9.0"	7	Com	double star
ST502	S		12 21.9	-49 09	*	7.2	Cen	red variable star
ST503	17		12 22.5	05 18	20.0"	6.6	Vir	double star
ST504	12		12 22.5	25 51	35.0"	4.8	Com	double star
ST505	SS		12 22.7	01 03	*	7.8	Vir	red variable star
ST506	Σ1639		12 24.4	25 35	1.7"	6.8	Com	double star
ST507	SS		12 25.3	00 48	*	6	Vir	variable star
ST508	Acrux	alpha	12 26.6	-63 06	4.4"	1.4	Cru	double star
ST509	Σ1645		12 28.1	44 48	10.4"	7.4	CVn	double star
ST510	17		12 28.9	25 55	145"	5.3	Com	double star
ST511	DELTA		12 29.9	-16 31	?	3	Crv	double star
ST512	BK		12 30.4	04 25	*	7.2	Vir	variable star
ST513	Gacrux	gamma	12 31.2	-57 07	0	1.6	Cru	asterism
ST514	24	24	12 35.1	18 23	20.3"	5.0	Com	colored double star
ST515	T		12 36.4	59 29	*	6.6	UMa	variable star
ST516	alpha	alpha	12 37.2	-69 08	29"	2.7	Mus	double star
ST517	R		12 38.5	06 59	*	6	Vir	variable star
ST518	RS		12 39.0	58 29	*	8.3	UMa	variable star
ST519	Σ1669	Σ1669	12 41.3	-13 00	5.4"	6.0	Crv	double star
ST520	gamma	gamma	12 41.5	-48 58	0	2.2	Cen	double star
ST521	Porrima	gamma	12 41.7	-01 27	3.0"	3.5	Vir	quadruple star
ST522	S		12 43.9	61 06	*	7	UMa	variable star
ST523	Y	Y	12 45.1	45 26	*	5.0	CVn	red variable star
ST524	Y		12 45.1	45 26	*	7.4	CVn	variable star
ST525	Mimosa	beta	12 47.7	-59 41	*	1.3	Cru	star
ST526	U		12 51.1	05 33	*	7.5	Vir	variable star
ST527	35		12 53.3	21 14	1.2"	5.1	Com	triple star
ST528	Alioth	epsilon	12 54.0	55 58	*	1.8	UMa	star
ST529	RY		12 54.5	66 16	*	7.1	Dra	red variable star
ST530	TU		12 54.9	47 12	*	5.55	CVn	variable star
ST531	Cor Caroli	alpha	12 56.0	38 19	19.7"	2.9	CVn	double star
ST532	Σ1695		12 56.3	54 06	3.7"	6	UMa	double star

Stars (Continued)

<u>No.</u>	<u>Name</u>	<u>Greek</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
ST533	RY	RY	12 56.4	65 60	*	6.3	Dra	red variable star
ST534	B341		13 03.8	-02 35	0.8"	6.3	Vir	double star
ST535	48		13 03.9	-03 40	0.8"	7.2	Vir	double star
ST536	15-17		13 09.6	38 32	284"	6.3	CVn	double star
ST537	theta	theta	13 09.9	-05 32	7.2"	4.4	Vir	double star
ST538	42		13 10.0	17 32	0.4"	5.1	Com	double star
ST539	17		13 10.1	38 30	84.4"	6	CVn	double star
ST540	RS		13 10.6	35 56	*	7.93	CVn	variable star
ST541	0Σ261		13 12.0	32 49	2.2"	7.2	CVn	double star
ST542	54		13 13.4	-18 50	5.4"	6.8	Vir	double star
ST543	SW		13 14.1	-02 48	*	6.8	Vir	variable star
ST544	EA		13 15.4	-17 29	*	8.9	Vir	variable star
ST545	FH		13 16.4	06 30	*	6.9	Vir	variable star
ST546	V		13 19.5	45 32	*	6.52	CVn	variable star
ST547	Σ1734		13 20.7	02 57	1.0'	6.8	Vir	double star
ST548	Mizar	zeta	13 23.9	54 56	14.5"	2.3	UMa	double star
ST549	Alcor	80	13 25.2	54 59	*	4.0	UMa	star
ST550	Spica	alpha	13 25.2	-11 10	*	1.0	Vir	star
ST551	RR		13 25.9	62 23	*	8.6	UMa	variable star
ST552	R		13 29.7	-23 17	*	3	Hya	variable star
ST553	Σ1755		13 32.4	36 49	4.4"	7.2	CVn	double star
ST554	S		13 33.0	-07 12	*	6.3	Vir	variable star
ST555	FP		13 35.9	08 18	*	6.7	Vir	variable star
ST556	HN69		13 36.8	-26 30	10.1"	5.9	Hya	double star
ST557	25		13 37.5	36 18	1.8"	5	CVn	double star
ST558	84		13 43.1	03 32	2.9"	5.5	Vir	double star
ST559	Alkaid	eta	13 47.5	49 19	*	1.9	UMa	star
ST560	R		13 49.0	39 33	*	6.5	CVn	variable star
ST561	W		13 49.0	-28 22	*	7.7	Hya	variable star
ST562	DL		13 52.6	-18 43	*	7	Vir	variable star
ST563	Σ1788		13 55.0	-08 04	3.4"	6.5	Vir	double star
ST564	Hadar	beta	14 03.8	-60 22	1.4"	0.6	Cen	double star
ST565	Menkent	theta	14 06.7	-36 22	*	2.1	Cen	star
ST566	RU		14 11.6	-28 53	*	7.2	Hya	variable star
ST567	kappa	kappa	14 13.5	51 47	13.2"	4.6	Boo	double star
ST568	Arcturus	alpha	14 15.7	19 11	*	0.0	Boo	star
ST569	iota	iota	14 16.2	51 22	38.4"	4.8	Boo	double star
ST570	M		14 27.3	04 41	*	7	Vir	variable star
ST571	Alpha Centauri	alpha	14 39.6	-60 50	10"	0.0	Cen	double star
ST572	alpha	alpha	14 41.9	-47 23	27.6"	2.3	Lup	double star
ST573	ALPHA		14 42.5	-64 59	?	3.2	Cir	double star
ST574	Izar	epsilon	14 45.0	27 04	2.9"	2.7	Boo	colored double star
ST575	54		14 46.0	-25 27	8.6"	5.1	Hya	double star
ST576	Kochab	beta	14 50.7	74 09	*	2.1	UMi	star
ST577	Zubenelgenubi	alpha	14 50.9	-16 03	*	2.8	Lib	star
ST578	xi	xi	14 51.4	19 06	6.7"	4.8	Boo	quadruple star
ST579	59		14 58.7	-27 39	0.8"	6.3	Hya	double star
ST580	pi	pi	15 05.1	-47 03	1.7"	4.7	Lup	double star
ST581	iota	iota	15 12.2	-19 48	58"	4.7	Lib	double star
ST582	Alkalurops	mu	15 24.5	37 23	108"	4.5	Boo	double star
ST583	AB	AB	15 29.2	80 27	30.2"	6.6	UMi	double star
ST584	delta	delta	15 34.8	10 32	3.9"	4.2	Ser	double star
ST585	Σ1962	Σ1962	15 38.7	-08 47	11.8"	6.5	Lib	double star
ST586	zeta	zeta	15 39.4	36 38	6.3"	5.1	CrB	colored double star
ST587	2		15 53.6	-25 20	2.5"	4.7	Sco	double star
ST588	xi	xi	15 56.9	-33 58	10.6"	5.2	Lup	double star
ST589	X		16 02.7	47 14	*	7.5	Her	variable star
ST590	EPSILON		16 04.4	-11 22	2.5"	4.8	Sco	triple star
ST591	Graffias	beta	16 05.4	-19 48	13.7"	2.9	Sco	quadruple star

Stars (Continued)

<u>No.</u>	<u>Name</u>	<u>Greek</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
ST592	SX		16 07.5	24 55	*	8.6	Her	variable star
ST593	7		16 08.1	17 03	28.4"	5.3	Her	double star
ST594	14		16 12.0	-19 28	0.9"	4.3	Sco	multiple star
ST595	xi	xi	16 12.0	-10 04	0	4.9	Sco	quadruple star
ST596	nu	nu	16 12.0	-19 27	41.4"	4.3	Sco	double star
ST597	12		16 12.3	-28 25	4.0"	5.9	Sco	double star
ST598	sigma	sigma	16 14.7	33 52	6.2"	5.7	CrB	double star
ST599	gamma	gamma	16 19.8	-50 09	41.7"	4.0	Nor	double star
ST600	V		16 23.9	-12 19	*	9.4	Oph	red variable star
ST601	rho	rho	16 25.6	-23 27	4.1"	5.3	Oph	colored double star
ST602	U		16 25.8	18 54	*	6.5	Her	variable star
ST603	V		16 26.7	-12 26	*	7.3	Oph	variable star
ST604	CHI		16 27.0	-18 27	*	4.1	Oph	variable star
ST605	30		16 28.6	41 53	*	5.7	Her	variable star
ST606	Antares	alpha	16 29.4	-26 26	3.3"	1.2	Sco	colored double star
ST607	LAMBDA		16 30.9	01 59	1.0"	4.2	Oph	double star
ST608	17		16 36.2	52 55	3.4"	5.4	Dra	triple star
ST609	SU		16 37.4	-32 17	*	8.7	Sco	red variable star
ST610	40		16 41.3	31 36	1.6"	2.9	Her	double star
ST611	19		16 47.2	02 04	23.4"	6.1	Oph	double star
ST612	Atria	alpha	16 48.7	-69 02	*	1.9	TrA	star
ST613	V1010		16 49.5	-15 40	*	6.1	Oph	variable star
ST614	Σ2107		16 51.8	28 40	1.4"	6.8	Her	double star
ST615	MU1		16 51.9	-38 03	*	2.8	Sco	variable star
ST616	56		16 55.0	25 44	18.1"	6.1	Her	double star
ST617	RS		16 55.6	-45 06	*	6.2	Sco	variable star
ST618	20		16 56.4	65 02	1.4"	7.1	Dra	double star
ST619	V861		16 56.6	-40 49	*	6	Sco	variable star
ST620	RR		16 56.6	-30 35	*	5	Sco	variable star
ST621	24		16 56.8	-23 09	0.8"	6.2	Oph	double star
ST622	RV		16 58.3	-33 37	*	6.6	Sco	variable star
ST623	Alrakis	mu	17 05.3	54 28	2.2"	5.8	Dra	double star
ST624	BF		17 06.1	-26 35	*	6.9	Oph	variable star
ST625	R		17 07.8	-16 06	*	7	Oph	variable star
ST626	Sabik	eta	17 10.4	-15 44	*	2.4	Oph	star
ST627	64		17 14.6	14 23	4.7"	3.5	Her	double star
ST628	65		17 15.0	24 50	8.9"	3.1	Her	double star
ST629	AB	AB	17 15.3	-26 36	4.6	5.1	Oph	double star
ST630	U		17 16.5	01 13	*	5.8	Oph	variable star
ST631	MU		17 17.3	33 06	*	4.6	Her	variable star
ST632	Omicron	Omicron	17 18.0	-24 17	10.8	5.2	Oph	colored double star
ST633	NU		17 20.8	-12 51	48.1"	4.3	Ser	double star
ST634	V636		17 22.8	-45 37	*	6	Sco	variable star
ST635	rho	rho	17 23.7	37 09	4.0"	4.5	Her	colored double star
ST636	Rastaban	beta	17 30.4	52 18	*	2.8	Dra	star
ST637	Lesath	upsilon	17 30.8	-37 18	*	2.7	Sco	star
ST638	alpha	alpha	17 31.8	-49 53	55.6"	2.9	Ara	double star
ST639	nu	nu	17 32.2	55 11	61.9"	4.9	Dra	double star
ST640	Shaula	lambda	17 33.6	-37 06	*	1.6	Sco	star
ST641	Rasalhague	alpha	17 34.9	12 34	*	2.1	Oph	star
ST642	31		17 41.9	72 09	40.3"	4.9	Dra	double star
ST643	SZ		17 42.0	-18 38	*	9.5	Oph	red variable star
ST644	V703		17 42.3	-32 31	*	7.8	Sco	variable star
ST645	V	V	17 43.3	-57 44	*	7.2	Pav	red variable star
ST646	Cebalrai	beta	17 43.5	04 34	*	2.8	Oph	star
ST647	SX		17 44.1	-35 41	*	9	Sco	red variable star
ST648	61		17 44.6	02 35	20.6"	6.2	Oph	double star
ST649	X		17 47.6	-27 50	*	4.2	Sgr	variable star
ST650	V393		17 48.8	-35 03	*	7.7	Sco	variable star
ST651	RS		17 50.2	-06 43	*	5.3	Oph	variable star

Stars (Continued)

No.	Name	Greek	RA	DEC	Size	Mag	Con	Description
ST652	RY		17 50.9	-33 42	*	7.5	Sco	variable star
ST653	0Σ338		17 52.0	15 20	0.7"	6.8	Her	double star
ST654	Y		17 52.6	-06 09	*	5.9	Oph	variable star
ST655	H2814		17 56.3	-15 49	20.8"	6.1	Ser	double star
ST656	V453		17 56.3	-32 29	*	6.3	Sco	variable star
ST657	Eltanin	gamma	17 56.6	51 29	*	2.2	Dra	star
ST658	Z		17 58.1	15 08	*	7.3	Her	variable star
ST659	H5003		17 59.0	-30 15	5.5"	5.5	Sgr	triple star
ST660	40	40	18 00.1	80 00	19.4"	5.8	Dra	double star
ST661	40-1		18 00.2	80 00	19.3"	5.7	Dra	double star
ST662	95	95	18 01.5	21 35	6.3"	5.1	Her	double star
ST663	tau	tau	18 03.1	-08 11	2.0"	5.3	Oph	double star
ST664	V		18 04.4	-05 41	*	6.9	Oph	red variable star
ST665	W		18 05.0	-29 35	*	4.3	Sgr	variable star
ST666	70	70	18 05.5	02 30	0	4.0	Oph	colored double star
ST667	100		18 07.8	26 06	14.2"	5.9	Her	double star
ST668	T		18 09.1	31 01	*	6.8	Her	variable star
ST669	W		18 09.8	-15 33	*	8.4	Ser	variable star
ST670	B132		18 11.2	-19 51	1	6.9	Sgr	double star
ST671	AP		18 13.0	-23 07	*	6.5	Sgr	variable star
ST672	MU		18 13.8	-21 04	*	3.7	Sgr	variable star
ST673	W		18 14.9	36 40	*	7.3	Lyr	variable star
ST674	ETA		18 17.6	-36 46	3.6"	3.2	Sgr	triple star
ST675	RS		18 17.6	-34 06	*	6	Sgr	variable star
ST676	Σ2303		18 20.1	-07 59	3.2"	6.6	Ser	double star
ST677	Y		18 21.4	-18 52	*	5.4	Sgr	variable star
ST678	XZ		18 22.1	-25 14	*	8.8	Sgr	variable star
ST679	Kaus Australis	epsilon	18 24.2	-34 23	*	1.9	Sgr	star
ST680	EG		18 26.0	-01 41	*	8.7	Ser	variable star
ST681	RZ		18 26.6	-09 12	*	7.3	Sct	variable star
ST682	59		18 27.2	00 12	*	4.9	Ser	variable star
ST683	SS		18 27.5	-16 56	*	9.5	Sgr	red variable star
ST684	B133		18 27.7	-26 38	1.3"	6.9	Sgr	double star
ST685	RX		18 30.7	12 37	*	7.2	Her	variable star
ST686	T		18 32.3	37 00	*	7.8	Lyr	variable star
ST687	T	T	18 32.3	36 60	*	8.0	Lyr	red variable star
ST688	kappa	kappa	18 33.4	-38 44	21.6"	5.9	CrA	double star
ST689	Σ2348		18 33.9	52 21	25.7"	6.1	Dra	double star
ST690	Vega	alpha	18 36.9	38 47	43"	0.0	Lyr	asterism
ST691	EW		18 37.9	-06 48	*	7.7	Sct	variable star
ST692	XY		18 38.1	39 40	*	7.3	Lyr	variable star
ST693	X		18 38.3	08 50	*	5.9	Oph	variable star
ST694	HK		18 41.1	36 54	*	9.5	Lyr	red variable star
ST695	RU		18 41.9	-04 07	*	8.8	Sct	variable star
ST696	Σ2372		18 42.1	34 45	25.0"	6.6	Lyr	double star
ST697	Double Double	epsilon 1	18 44.3	39 40	2.8"	4.7	Lyr	double star
ST698	zeta	zeta	18 44.8	37 36	43.7"	4.4	Lyr	colored double star
ST699	Tweedledee Tweedledum	phi	18 45.5	05 30	0.5"	6.9	Ser	double star
ST700	R		18 47.5	-05 42	*	4.4	Sct	variable star
ST701	BETA		18 50.1	33 22	*	3.4	Lyr	variable star
ST702	10		18 50.1	33 22	45.7"	3.4	Lyr	double star
ST703	S		18 50.3	-07 54	*	8.1	Sct	red variable star
ST704	Σ2404	Σ2404	18 50.7	10 58	3.5"	7.0	Aql	double star
ST705	47		18 51.2	59 23	34.2"	4.8	Dra	double star
ST706	Delta	Delta	18 53.7	36 58	10.5"	5.5	Lyr	colored double star
ST707	Nunki	sigma	18 55.3	-26 18	*	2.0	Sgr	star
ST708	R		18 55.3	43 57	*	3.8	Lyr	variable star
ST709	THETA		18 56.2	04 12	22.3"	4.5	Ser	double star
ST710	UV		18 56.3	14 17	*	9.1	Her	red variable star

Stars (Continued)

<u>No.</u>	<u>Name</u>	<u>Greek</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
ST711	AR		18 57.9	-23 42	*	9.1	Sgr	variable star
ST712	FF		18 58.2	17 22	*	5.1	Aql	variable star
ST713	Sulafat	gamma	18 58.9	32 41	*	3.2	Lyr	star
ST714	V		19 01.7	-05 46	*	7.3	Aql	red variable star
ST715	Ascella	zeta	19 02.6	-29 53	*	2.6	Sgr	star
ST716	h5082	h5082	19 03.1	-19 15	7.5"	6.0	Sgr	triple star
ST717	V	V	19 04.4	-05 41	*	6.9	Aql	red variable star
ST718	R		19 06.4	08 14	*	5.5	Aql	variable star
ST719	V805		19 06.7	-11 39	*	7.2	Aql	variable star
ST720	17		19 07.4	32 30	3.4"	5.2	Lyr	double star
ST721	TT		19 08.2	01 18	*	6.4	Aql	variable star
ST722	Σ2470		19 08.8	34 46	13.4"	6.6	Lyr	double star
ST723	Σ2474		19 09.1	34 36	16.2"	6.7	Lyr	double star
ST724	Σ2486	Σ2486	19 12.1	49 50	8.2"	6.6	Cyg	double star
ST725	B139		19 12.6	16 51	0.7"	6.7	Sge	double star
ST726	SS		19 13.3	46 59	*	8.4	Lyr	variable star
ST727	20		19 13.8	39 09	28.1"	4.4	Lyr	double star
ST728	RW		19 13.9	-18 52	*	9	Sgr	variable star
ST729	T		19 16.3	-16 59	*	7.6	Sgr	variable star
ST730	V1942		19 16.3	-16 00	*	6.9	Sgr	red variable star
ST731	RY		19 16.5	-33 31	*	6	Sgr	variable star
ST732	R		19 16.7	-19 18	*	6.7	Sgr	variable star
ST733	2-ES		19 17.7	23 02	1.8"	5.4	Vul	double star
ST734	RS		19 17.7	22 26	*	6.9	Vul	variable star
ST735	U		19 18.8	19 37	*	6.58	Sge	variable star
ST736	W		19 19.5	17 12	*	8.8	Sge	variable star
ST737	Z		19 21.7	25 34	*	7.38	Vul	variable star
ST738	UX		19 23.4	76 28	*	6.6	Dra	red variable star
ST739	BF		19 23.9	29 40	*	9.3	Cyg	variable star
ST740	CH		19 24.5	50 14	*	6.4	Cyg	variable star
ST741	RR		19 25.5	42 47	*	7	Lyr	variable star
ST742	Σ2523		19 26.9	21 10	6.4"	8.4	Vul	double star
ST743	alpha	alpha	19 28.7	24 40	396"	4.4	Vul	double star
ST744	U		19 29.4	-07 03	*	6	Aql	variable star
ST745	AF		19 30.2	46 09	*	7.4	Cyg	variable star
ST746	Albireo	beta	19 30.7	27 58	34.6"	3.1	Cyg	colored double star
ST747	V822		19 31.3	02 07	*	6.8	Aql	variable star
ST748	AQ		19 31.4	-16 29	*	7.1	Sgr	red variable star
ST749	V450		19 33.8	05 28	*	6.3	Aql	variable star
ST750	AQ		19 34.3	-16 22	*	9.1	Sgr	variable star
ST751	U		19 36.6	20 20	*	6.78	Vul	variable star
ST752	R		19 36.8	50 12	*	6.1	Cyg	variable star
ST753	RT		19 38.0	11 43	*	7.6	Aql	variable star
ST754	TT		19 39.0	32 30	*	8.4	Cyg	red variable star
ST755	HN84	HN84	19 39.5	16 33	28"	6.0	Sge	colored double star
ST756	alpha	alpha	19 40.1	18 01	33"	4.4	Sge	double star
ST757	54		19 40.7	-16 18	38.0"	5.4	Sgr	triple star
ST758	16		19 41.8	50 32	39.3"	6	Cyg	double star
ST759	RT		19 43.6	48 47	*	6.4	Cyg	variable star
ST760	delta	delta	19 45.0	45 08	2.1"	2.9	Cyg	double star
ST761	Σ2578		19 45.7	36 05	15.0"	6.4	Cyg	triple star
ST762	HV137		19 45.9	35 01	38.7"	6.5	Cyg	triple star
ST763	Tarazed	gamma	19 46.3	10 37	*	2.7	Aql	star
ST764	17		19 46.4	33 44	26.0"	5	Cyg	triple star
ST765	Epsilon	Epsilon	19 48.2	70 16	3.3"	3.9	Dra	colored double star
ST766	pi	pi	19 48.7	11 49	1.5"	6.2	Aql	colored double star
ST767	8		19 49.0	19 09	8.6"	5.5	Sge	triple star
ST768	CHI		19 50.6	32 55	*	3.3	Cyg	variable star
ST769	Altair	alpha	19 50.8	08 52	*	0.8	Aql	star

Stars (Continued)

<u>No.</u>	<u>Name</u>	<u>Greek</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
ST770	X		19 51.0	04 28	*	8.3	Aql	variable star
ST771	SV		19 51.5	27 28	*	6.73	Vul	variable star
ST772	OΣ388		19 52.4	25 52	3.9"	8.2	Vul	triple star
ST773	ETA		19 52.5	01 00	*	3.4	Aql	variable star
ST774	Δ227	Δ227	19 52.7	-54 59	22.9"	6.1	Tel	colored double star
ST775	V505		19 53.1	-14 36	*	6.4	Sgr	variable star
ST776	13		19 53.5	24 05	0.8"	4.6	Vul	double star
ST777	OΣ390		19 55.1	30 12	9.7"	6.6	Cyg	triple star
ST778	24		19 55.6	52 26	3.2"	4.9	Cyg	double star
ST779	RR		19 55.9	-29 11	*	5.6	Sgr	variable star
ST780	10S		19 56.0	16 38	*	5.28	Sge	variable star
ST781	RR		19 57.6	-01 53	*	7.8	Aql	variable star
ST782	OΣ2609		19 58.6	38 06	2.1"	6.6	Cyg	double star
ST783	RU		19 58.7	-41 51	*	6	Sgr	variable star
ST784	OΣ394		20 00.2	36 25	11.0"	7.1	Cyg	double star
ST785	BF		20 00.2	20 57	*	9.2	Sge	red variable star
ST786	26		20 01.4	50 06	41.8"	5.1	Cyg	double star
ST787	16		20 02.2	24 56	0.8	5.8	Vul	double star
ST788	X		20 02.9	20 30	*	9.2	Sge	red variable star
ST789	H1470		20 03.7	38 20	28.8"	7.3	Cyg	double star
ST790	X		20 05.1	20 39	*	7	Sge	variable star
ST791	RY		20 08.5	35 48	*	9.2	Cyg	red variable star
ST792	1		20 08.9	77 43	7.4"	4.4	Cep	double star
ST793	17		20 09.9	20 55	11.9"	6.5	Sge	triple star
ST794	RS	RS	20 13.4	38 44	*	8.0	Cyg	red variable star
ST795	Σ2653		20 13.7	24 14	2.6"	6.9	Vul	double star
ST796	RT		20 14.1	-21 29	*	7.3	Cap	red variable star
ST797	R		20 14.9	09 05	*	7.6	Del	variable star
ST798	B441		20 17.5	29 09	5.9"	6.2	Vul	double star
ST799	alpha	alpha	20 17.6	-12 31	45.5"	3.7	Cap	quadruple star
ST800	RT		20 17.7	-39 07	*	6	Sgr	variable star
ST801	34		20 17.8	38 02	*	3	Cyg	variable star
ST802	U		20 18.1	47 44	*	8.8	Cyg	red variable star
ST803	6		20 18.1	-12 33	6.6"	3.6	Cap	multiple star
ST804	U		20 19.6	47 54	*	5.9	Cyg	variable star
ST805	H5188		20 20.5	-29 12	4.1"	6.4	Sgr	multiple star
ST806	Sadr	gamma	20 22.2	40 15	0	2.2	Cyg	asterism
ST807	Peacock	alpha	20 25.6	-56 44	*	1.9	Pav	star
ST808	10		20 27.3	-18 13	3.2"	5.3	Cap	double star
ST809	11		20 28.9	-17 49	247"	5	Cap	double star
ST810	12		20 29.9	-18 35	21.9"	6.1	Cap	double star
ST811	B987		20 30.2	19 25	2.4"	6.6	Del	double star
ST812	1		20 30.3	10 54	0.9"	6.1	Del	double star
ST813	VW		20 37.4	75 36	*	7.2	Cep	variable star
ST814	alpha	alpha	20 37.6	-47 17	66"	3.1	Ind	double star
ST815	EU		20 37.9	18 16	*	5.8	Del	variable star
ST816	RU		20 38.9	23 15	*	8.1	Vul	variable star
ST817	OΣ410		20 39.6	40 35	0.8"	6.8	Cyg	triple star
ST818	alpha	alpha	20 39.6	15 55	7.9"	6.0	Del	double star
ST819	Deneb	alpha	20 41.4	45 17	*	1.3	Cyg	star
ST820	X		20 43.4	35 35	*	5.8	Cyg	variable star
ST821	Σ2723		20 44.9	12 19	1.2"	6.9	Del	double star
ST822	U		20 45.5	18 05	*	7.6	Del	variable star
ST823	52		20 45.7	30 43	6.0"	4.2	Cyg	double star
ST824	gamma	gamma	20 46.6	16 07	11.9"	4.5	Del	colored double star
ST825	13		20 47.8	06 00	1.6"	5.6	Del	double star
ST826	S763		20 48.4	-18 12	15.8"	6.7	Cap	double star
ST827	ALPHA		20 49.9	-33 46	?	4.9	Mic	double star
ST828	TX		20 50.2	03 39	*	8.8	Del	variable star

Stars (Continued)

No.	Name	Greek	RA	DEC	Size	Mag	Con	Description
ST829	4		20 51.4	-05 38	0.5"	6.4	Aqr	double star
ST830	T		20 51.5	28 15	*	5.44	Vul	variable star
ST831	Y		20 52.1	34 39	*	7.3	Cyg	variable star
ST832	H3003		20 53.0	-23 47	1.7"	6.3	Cap	double star
ST833	Σ2735		20 55.7	04 32	2.1"	6.1	Del	double star
ST834	S		20 57.2	05 05	*	8	Equ	variable star
ST835	1		20 59.1	04 18	1	6	Equ	triple star
ST836	59		20 59.8	47 31	*	4.4	Cyg	variable star
ST837	Σ2742	Σ2742	21 02.2	07 11	2.8"	7.3	Equ	double star
ST838	12		21 04.1	-05 49	192	5.9	Aqr	double star
ST839	R		21 04.4	23 49	*	7	Vul	variable star
ST840	61		21 06.9	38 45	28.4"	5.2	Cyg	double star
ST841	T		21 09.5	68 29	*	5.2	Cep	variable star
ST842	R		21 13.2	12 48	*	8.7	Equ	variable star
ST843	B271		21 19.8	-26 21	3.2"	6.6	Cap	double star
ST844	1		21 22.1	19 48	36.3"	4.1	Peg	double star
ST845	B164		21 25.1	09 23	0.4"	7.8	Equ	double star
ST846	Alfirk	beta	21 28.7	70 34	13.7"	3.2	Cep	double star
ST847	BETA		21 28.7	70 34	*	3.2	Cep	variable star
ST848	Σ2799		21 28.9	11 05	1.6"	7.5	Peg	triple star
ST849	GK		21 31.0	70 49	*	6.8	Cep	variable star
ST850	S		21 35.0	78 37	*	7.4	Cep	variable star
ST851	S		21 35.9	78 24	*	10.1	Cep	red variable star
ST852	W		21 36.0	45 22	*	6.8	Cyg	variable star
ST853	Σ2809		21 37.6	-00 23	31.1"	6.3	Aqr	double star
ST854	3		21 37.7	06 37	39.2"	6	Peg	double star
ST855	AB	AB	21 38.9	57 29	1.6"	5.6	Cep	quadruple star
ST856	V460		21 39.9	35 17	*	6.6	Cyg	red variable star
ST857	EE		21 40.0	09 11	*	6.9	Peg	variable star
ST858	RU		21 40.6	54 19	*	9.2	Cyg	variable star
ST859	RV		21 41.2	37 47	*	8.2	Cyg	red variable star
ST860	V1339		21 42.1	45 46	*	5.9	Cyg	variable star
ST861	SS		21 42.7	43 35	*	8.2	Cyg	variable star
ST862	mu	mu	21 43.5	58 47	*	4.1	Cep	red variable star
ST863	Enif	epsilon	21 44.2	09 53	*	2.4	Peg	star
ST864	lambda	lambda	21 50.9	-82 43	3.1"	5.5	Oct	double star
ST865	AG		21 51.0	12 38	*	6	Peg	variable star
ST866	Σ2840		21 52.0	55 48	18.3"	5.5	Cep	double star
ST867	AW		21 52.3	24 01	*	7.8	Peg	variable star
ST868	RX		21 54.1	22 37	*	9	Peg	red variable star
ST869	Σ2841		21 54.3	19 43	22.3"	6.4	Peg	double star
ST870	VV		21 56.7	63 38	*	4.8	Cep	variable star
ST871	12		22 00.8	-28 27	1.7"	5.8	PsA	double star
ST872	V		22 01.0	06 07	*	7	Peg	variable star
ST873	29		22 02.4	-16 58	3.7	7.2	Aqr	double star
ST874	B694		22 02.9	44 39	0.8"	5.6	Lac	double star
ST875	Kurhah	xi	22 03.8	64 38	7.2"	4.6	Cep	double star
ST876	TW		22 04.0	28 21	*	7	Peg	variable star
ST877	Alnair	alpha	22 08.2	-46 58	*	1.7	Gru	star
ST878	Σ2883		22 10.6	70 08	14.6"	5.6	Cep	double star
ST879	Σ2893	Σ2893	22 12.9	73 18	28.9"	6.2	Cep	asterism
ST880	41		22 14.3	-21 04	5.0"	5.6	Aqr	double star
ST881	Σ2878		22 14.5	07 59	1.5"	6.8	Peg	double star
ST882	Σ2894		22 18.9	37 46	15.6"	6.1	Lac	double star
ST883	51		22 24.1	-04 50	0.5"	6.5	Aqr	double star
ST884	Σ2906		22 26.8	37 27	4.3"	6.5	Lac	double star
ST885	55		22 28.8	-00 01	2.1"	4.3	Aqr	double star
ST886	27		22 29.2	58 25	*	3.4	Cep	variable star
ST887	delta	delta	22 29.2	58 24	41"	6.3	Cep	colored double star

Stars (Continued)

<u>No.</u>	<u>Name</u>	<u>Greek</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
ST888	37		22 30.0	04 26	0.7"	5.8	Peg	double star
ST889	alpha	alpha	22 31.3	50 17	30.2"	3.8	Lac	asterism
ST890	17		22 31.5	-32 21	30.3"	4.4	PsA	double star
ST891	RAL47		22 32.4	39 47	43.1"	9.8	Lac	multiple star
ST892	8		22 35.9	39 38	22.4"	5.7	Lac	triple star
ST893	W		22 36.5	58 26	*	7	Cep	variable star
ST894	Σ2942		22 44.1	39 28	2.8"	6.1	Lac	double star
ST895	xi	xi	22 46.7	12 10	11.9"	4.2	Peg	colored double star
ST896	69		22 47.7	-14 03	23.7"	5.8	Aqr	double star
ST897	Tau	Tau	22 49.6	-13 36	134"	4.0	Aqr	double star
ST898	22		22 52.5	-32 53	4.2"	4.5	PsA	double star
ST899	B382		22 53.7	44 45	0.9"	5.8	Lac	double star
ST900	Skat	delta	22 54.6	-15 49	*	3.3	Aqr	star
ST901	H975		22 55.7	36 21	51.0"	5.6	Lac	double star
ST902	23		22 55.9	-32 32	5.0"	4.2	PsA	double star
ST903	Fomalhaut	alpha	22 57.6	-29 37	*	1.2	PsA	star
ST904	52		22 59.2	11 44	0.7"	6.1	Peg	double star
ST905	Scheat	beta	23 03.8	28 05	*	2.4	Peg	variable star
ST906	CW		23 04.0	63 24	*	7.6	Cep	variable star
ST907	Markab	alpha	23 04.8	15 12	*	2.5	Peg	star
ST908	R		23 06.6	10 33	*	6.9	Peg	variable star
ST909	Δ246	Δ246	23 07.2	-50 41	8.6"	6.1	Gru	double star
ST910	Σ2978		23 07.5	33 50	8.4"	6.3	Peg	double star
ST911	V		23 11.7	59 42	*	6.9	Cas	variable star
ST912	34		23 18.6	68 07	2.8"	4.9	Cep	double star
ST913	94		23 19.1	-13 28	12.7	5.3	Aqr	double star
ST914	W		23 19.8	26 17	*	7.9	Peg	variable star
ST915	S		23 20.6	08 55	*	7.1	Peg	variable star
ST916	72		23 34.0	31 20	8.4"	5.7	Peg	double star
ST917	HE93		23 37.1	-31 52	5.5"	6.5	ScI	double star
ST918	SV		23 39.0	52 16	*	9.1	Cas	variable star
ST919	19		23 43.8	03 13	*	5.7	Psc	red variable star
ST920	78		23 44.0	29 22	1.0"	5	Peg	double star
ST921	H5417		23 44.5	-26 15	8.5"	6.3	ScI	double star
ST922	107		23 46.0	-18 41	6.6"	5.7	Aqr	double star
ST923	TX	TX	23 46.4	03 29	*	5.0	Psc	red variable star
ST924	7		23 54.4	57 30	*	4.1	Cas	variable star
ST925	R		23 58.4	51 24	*	4.7	Cas	variable star
ST926	WZ		23 58.7	60 05	*	8.7	Cas	red variable star
ST927	sigma	sigma	23 59.0	55 45	3.1"	5.1	Cas	colored double star
ST928	Σ3050		23 59.5	33 43	1.7"	6.6	And	double star

Alignment Stars

<u>No.</u>	<u>Name</u>	<u>Greek</u>	<u>RA</u>	<u>DEC</u>	<u>Size</u>	<u>Mag</u>	<u>Con</u>	<u>Description</u>
ST063	Achernar	alpha	01 37.7	-57 14	*	0.5	Eri	star
ST508	Acrux	alpha	12 26.6	-63 06	4.4"	1.4	Cru	double star
ST877	Alnair	alpha	22 08.2	-46 58	*	1.7	Gru	star
ST746	Albireo	beta	19 30.7	27 58	34.6"	3.1	Cyg	colored double star
ST167	Aldebaran	alpha	04 35.9	16 31	30.4"	0.9	Tau	colored double star
ST423	Alphard	alpha	09 27.6	-08 40	*	2.0	Hya	star
ST571	Alpha Centauri	alpha	14 39.6	-60 50	10"	0.0	Cen	double star
ST008	Alpheratz	alpha	00 08.4	29 05	*	2.1	And	star
ST769	Altair	alpha	19 50.8	08 52	*	0.8	Aql	star
ST606	Antares	alpha	16 29.4	-26 26	3.3"	1.2	Sco	colored double star
ST568	Arcturus	alpha	14 15.7	19 11	*	0.0	Boo	star
ST251	Betelgeuse	58 alpha	05 55.2	07 24	*	0.1	Ori	red variable star
ST273	Canopus	alpha	06 24.0	-52 42	*	-0.7	Car	star
ST206	Capella	alpha	05 16.7	45 60	*	0.1	Aur	star
ST344	Castor	alpha	07 34.6	31 53	2.0"	1.6	Gem	double star
ST819	Deneb	alpha	20 41.4	45 17	*	1.3	Cyg	star
ST484	Denebola	beta	11 49.1	14 34	39"	2.1	Leo	colored double star
ST903	Fomalhaut	alpha	22 57.6	-29 37	*	1.2	PsA	star
ST129	Mirfak	alpha	03 24.3	49 52	*	1.8	Per	star
ST548	Mizar	zeta	13 23.9	54 56	14.5"	2.3	UMa	double star
ST047	Navi	gamma	00 56.7	60 43	2.1"	2.5	Cas	double star
ST094	Polaris	alpha	02 31.8	89 16	18.3"	2.0	UMi	double star
ST347	Procyon	alpha	07 39.3	05 14	*	0.4	CMi	star
ST641	Rasalhague	alpha	17 34.9	12 34	*	2.1	Oph	star
ST439	Regulus	alpha	10 08.4	11 58	176"	1.4	Leo	double star
ST203	Rigel	beta	05 14.5	-08 12	9.2"	0.1	Ori	double star
ST294	Sirius	alpha	06 45.1	-16 43	10"	-1.5	CMa	double star
ST550	Spica	alpha	13 25.2	-11 10	*	1.0	Vir	star
ST408	Suhail	lambda	09 08.0	-43 26	*	2.2	Vel	star
ST690	Vega	alpha	18 36.9	38 47	43"	0.0	Lyr	asterism

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