

Multiple Star OP Object List

Object List System Name	Const.	Mag. A	Mag. B	Mag. C	Mag. D	Sep. AB	Sep. AC	Sep. AD
STF 3056 AB,C,D	And	AB 7.7		10.1	10.6		AB,C 25.7	AB,D 95.2
STF 3060 ABCD	Peg	9.3	9.6	12	7.4	3.4	65.1	
STT 7	Cas	9.21	9.81	8.58	7.8	0.9	48.5	109.7
STF 28, FM 12	And	8.3	8.5	8.9		33	145.9	
STT 9	Cas	6.87	9.67	9.9		2	22.8	
STF 42	And	8.3	9	11.5		6	36.8	
HJ 1054	Cas	8.11	11.81	9.6	12.03	8.9	92.3	
STF 162	Per	6.47	7.22	9.24	10.01	2	20.7	138.8
AG 38	Ari	8.87	9.41	12		34.8	149.2	
STF 258, BU 876AB	Tri	7.93	11.27	10.16	10.61	1.2	70.9	
H III 80, (AB Cet)	Cet	5.88	9.1	10.54		12.2	110.4	
Iota Cas, STF 262	Cas	4.6	6.9	9	8.48	3	6.9	210.9
STF 271	Ari	5.93	9.94	12.7		13	115.8	
STF 270	Per	7	9.66	11.37	14.2	21.3	48	51
HJ 3518	For	9.38	11.2	11.37		14	31.1	
STF 291	Ari	7.6	7.5	9.5		3.4	65.5	
HJ 658	Cet	9.7	BC 11.18	10.1	10.65	A,BC 18.6		126.6
STF 373 AB, STTA 33 AC, STU1 AD	Cam	7.7	10	7.8	9.2	20.1	115.9	180
STFA 7, STF 401	Tau	STFA 7 7.4, STF 401 6.5	7.8, 6.9	12.3, 10.8		44.1, 11.3	STFA 7, BC 12.3,	STF 7, BC 12.3
HJ 2200 ABC	Cam	4.6	12.4	9		56.3	106	
STFA 8 Alcyone	Tau	2.8	6.2	8.2	8.7	117.6	182	191.8
Zeta Per, STF 464	Per	2.8	9.1	11.2	D 10.4, E 9.96	12.8	33.3	98.6
STF 518	Eri	4.4	9.3	11.1	12.6	A,BC 83.2	77.9	551
HJ 3644 AB,C AB,D	Eri	AB 6.15		12.8	8.2		AB,C 41	AB,D 43.7
STF 533	Per	7.3	8.4	12		19	106.9	
51 Eri, BU 88, WAL 32	Eri	5.2	11.8	10.5		28.9	66.7	
HJ 3677 AB, DAW 81 BC	Eri	9.8	10.2	11.2		10.6		
62 Eri, SHJ 48, GMC 11	Eri	5.4	8.9	11.4		66	127	
SHJ 49, WAL 34AD	Ori	6	7.4	9.6	13.2	39.4	54	
STF 617, STF 618AC, AD	Cam	7.6	7.98	11.8	9.2	33	152	300
66 Eri, STF 642, HUB 5	Eri	5.1	9.3	10.8		1.6	52.2	
STF 697, WAL 38	Ori	7.2	8.1	10.8	10	25.4	98.1	250
STF 711 ABCD	Aur	7.78	9.67	11		7.6	174.9	
STF 718 ABC	Aur	7.47	7.54	11.2		7.8	117.1	
STF 761 & 762	Ori	7.8	8.3	8.5	11.8	68.1	72.1	32.7
HJ 3780	Lep	6.69	7.8	8.89	9.5	0.6	88.8	
STF 788	Ori	7.6	10	10.3		7.5	36.2	
STF 796	Aur	7.2	8.2	10.2		3.7	209.6	
BU 1	Cas	8.5	9.3	8.8	9.6	1.5	3.9	8.9
STF 815	Ori	8.3	9.8	9.7		13	85	
BU 193	Ori	6.9	12.3	10		19.7	57.8	

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STF 866	Cam	8.89	10.12	9.58		17.9	79.8	
S 516	CMa	7.39	8.29	7		59.6	300.4	
HJ 3858	Col	6.4	7.61	8.24		134.4		
5 Lyn, S 514, WAL 46	Lyn	5.3	11.9	7.9	12.2	32.6	95.5	92.8
10 Mono, BUP 89	Mon	5	9.5	9.8		77	78	
HJ 3875+BU 755	Col	5.86	6.94	11.5		1.5	21	
STF 982 ABC	Gem	4.7	7.8	11.3		7.3	120.8	
STF 1007 AD	Gem	7.4	11.4	10	7.7	14.6	21.9	67.7
STF 1054	Gem	8.1	9.96	9.93		18.5	96.8	
Tau CMa, HJ 3948	CMa	4.4	10.2	11.2	8.2	8.3	14.2	83.5
STF 1075	Cam	8.53	10.57	9.75		7.3	224.3	
STF 1102 ABDE	Gem	7.3	9.2		8	7.6	21.8	112
Castor ABCD STF 1110	Gem	1.9	2.9	9.8	10.7	5.4	69.6	179.3
Zeta 2 Cnc, STF 1196	Cnc	5.3	6.25	5.85	D 8.89, E 10	1.1	AB,C 6	AB,D 275.6
STF 1169, PKO 21	Cam	8.4	8.6	11		20.6	66	
HJ 4106+LDS 223	Pyx	7.86	9.9	10.35		6.2	47.7	
STF 1245	Cnc	5.98	7.16	10.7	D 11.9, E 9.6	10	99.8	109.1
S 571, BU584	Cnc	7.31	12.3	7.47	D 6.67, E 11.75	0.8	DC 89	92.1
ENG 37	Cnc	6.47	6.58	9.03	8.7	151.8	134	134.9
HDO 204	Pyx	6.96	11.9	11.8		15.6	20.1	
STF 1300	Cnc	9.4	9.7	9.9	10.2	5	202	198.4
STF 1316	Hya	8.8	10.7	9.9		7	8.8	
HU 227	Hya	7.7	10	11		2.5	26.9	
HJ 4199	Pyx	8.29	9.48	8.2		11.6	6.7	
STF 1364/HJ 466	Leo	8.59	9.7	12.48		16.2	34.7	
STT 204,WAL 56	Leo	6.7	10.7	10.6		8.3	85.7	
STF 1415	Uma	6.6	7.2	10.8		16.6	153.3	
36 Uma, LDS 2863	Uma	4.8	8.8	11.4		122.8	238.7	
STF 1464	Sex	8.26	10.26	10.51		5.8	66.7	
JC 16	Crt	5.82	8.6	8.86		8.2	166.1	
DUN 116 ABC	Hya	7.6	7.8	11.6		18.7	30	
STF 1604	Crv	6.8	10	8.1		9	10.5	
SHJ 143,AD ARN6	Com	4.8	11.8	8.9	10	36.7	59	213
STF 1659 "Stargate"	Crv	7.9	8.3	10.8	D 9.8, E 6.7, F 6.6	28.1	43.8	189.8
HJ 2617, BKO 114 AD	CVn	8.41	9.61	11.02	13.78	5.7	168.7	43.1
STF 1669	Crv	5.8	5.8	10.3		5.3	45.9	
STF 1685	Com	7.3	7.7	8.2		16	241.7	
STF 1691 ABC	Uma	8.5	9.8	9.6		18.7	130	
STFA 25 ABC	Dra	6.6	7	8.8		180.8	104.5	

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STT 269, ARN 8 AB,D	CVn	AB 7.2		9.1	8.4		AB,C 123.7	
STF 1769	Cyg	7.91	10.42	9.28	12.98	1.5	56.9	149.4
STF 1808	Boo	8.8	9.6	11.8		2.7	64.9	
STF 1843	Boo	7.68	9.23	9.72		19.8	100.8	
STF 1854	Boo	6	10.6	11		26.7	107.2	
BU 31	Boo	8.53	10.26	12.5	11.6	1.9	8.2	90
STF 1896	Boo	8.97	9.47	10.93		4.1	65.7	
STF 1964, HU 1167 AB	CrB	8.07	9.87	8.07	9.02	1.4	15	15.8
STF 1996 ABC	Dra	10.2	10.6	10.59		19.4	162	
STF 1998, STF 1999	Sco	1998 4.8, 1999 7.3	4.8, 7.9	7.3, 11.4	STF 1999 4.1	1.1, 11.9	8, 85	STF1999, 279
STF 2007	Serp	6.8	7.9	10.8		37.7	162.7	
STF 2011	CrB	7.9	10.2	9.4		2.7	117	
SHJ 223	CrB	5.79	13.9	10.44	D 10.3, E 12.1	53.8	87.5	123.1
Rho Oph, H 2 19	Oph	5	5.7	7.2	D 6.8, E 8.4, F 11.7	3	151.1	156.1
STF 2052	Her	7.69	7.91	11.8		2.5	136.4	
STF 2050 SIN 126 AD	Oph	8.2	9.7	9.3	12.9	5.7	140.7	81.3
STFA 31AB	Her	5.76	6.92	11.4		69.3	25.7	
STF 2083	Her	9.13	9.56	11.38		12.7	119.1	
HJ 4935, Gliese 667	Sco	6.3	7.3	10.2	12.45	1.4	32.6	92
HJ 5000, DUN 219	Sgr	7.1, 5.84	8.96, 7.75	11.2, 11.3		7.7, 54.2	89.3, 40.7	
STF 2302	Dra	7	9.9	9.6		5.6	22.9	
100 Her, STF 2280	Her	5.81	5.84	11.8		14.4	79.9	
STF 2379	Aql	5.88	7.02	11.3		12.5	21.8	
STT 525, SHJ 282 ABCD	Lyr	6.1	9.12	7.6	11	1.8	45.4	214.8
STF 1830 &1831 ABCDEF	Uma	7.16	9.56	6.7	E 9.3, F10.28	5.7	112.2	
STF 2521 ABCD	Vul	5.8	10.5	10.54	10.57	29	75.1	152.2
Delta Cyg STF 2579	Cyg	2.8	6.2	12		2.8	62.5	
STF 2673, 2674 CD	Del	8.29	9.75	8.6	11.4	2.3	76.5	
S 752, BU 987	Del	6.8	11.1	7.3		2.5	107.5	
STF 2787	Aqr	7.49	8.64	11.41		22.6	70.4	
STF 2799	Peg	7.3	7.4	10.2		1.9	135.9	
STF 2816	Cep	5.7		7.48	7.53		11.9	20.1
STF 2944ABC	Aqr	7.3	7.68	8.58		1.8	60.6	
HJ 1823	Lac	7.06	11.48	8.11	D 11.25, E 8.85	18.7	82.5	
AR Cas, STT 496	Cas	4.8	9.3	7.2	D 9, E 11.2, F 10.5	0.7	75	

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STF 3056 AB,C,D			AB,C 4	AB,D 238		00 04 40	+34 15 55
STF 3060 ABCD		136	273	359		00 05 56	+18 04 34
STT 7		129	259	102		00 21 51	+66 28 02
STF 28, FM 12		224	137			00 23 53	+29 30 09
STT 9		51	4			00 26 12	+56 46 45
STF 42		21	288			00 36 02	+29 59 34
HJ 1054	CD 26.7	182	61		CD 239	00 49 40	+60 45 33
STF 162	BC 19.2	197	178	96	BC 177	01 49 15	+47 53 47
AG 38		261	186			02 23 19	+15 25 07
STF 258, BU 876AB	CD 6.4	241	151		CD 30	02 23 55	+33 30 28
H III 80, (AB Cet)		297	30			02 27 14.6	-15 13 26
Iota Cas, STF 262		231	117	60		02 29 04	+67 24 09
STF 271		184	30			02 30 32	+25 14 07
STF 270		305	333	281		02 30 51	+55 32 54
HJ 3518		14	199			02 38 52	-28 09 58
STF 291		118	242			02 41 07	+18 48 01
HJ 658	BC 1.4	A,BC 24		308	BC 4	02 55 29	+09 52 42.6
STF 373 AB, STTA 33 AC, STU1 AD		118	111	168		03 22 05	+62 44 29
STFA 7, STF 401	STF 401, BC 999	STFA 7, 234 STF 401, 269			STFA 7 BC, 0 STF 401, BC 129	03 31 03, 03 31 21	+ 27 43 54, +27 348
HJ 2200 ABC		247	85			03 50 21	+71 19 56
STFA 8 Alcyone		291	313	297		03 47 29	+24 06 19
Zeta Per, STF 464	AE, 120	208	286	195	AE 186	03 54 08	+31 53 01
STF 518	AE 639	A,BC 102	98	37	AE 25	04 15 16	-07 39 10
HJ 3644 AB,C AB,D		AB,C 1		AB,D 41		04 21 31	-25 43 42
STF 533		62	193			04 24 25	+34 18 53
51 Eri, BU 88, WAL 32		75	163			04 37 36	-02 28 25
HJ 3677 AB, DAW 81 BC	BC 8.5	354			BC 17	04 40 27	-29 34 40
62 Eri, SHJ 48, GMC 11		76	331			04 56 24	-05 10 17
SHJ 49, WAL 34AD	BC 89.2	306	89	292	BC 104	04 58 59	+14 32 36
STF 617, STF 618AC, AD		211	194	189		05 03 33	+63 05 09
66 Eri, STF 642, HUB 5		233	10			05 06 46	-04 39 19
STF 697, WAL 38		287	284	285		05 23 32	+16 02 26
STF 711 ABCD		224	254			05 31 29	+54 39 16
STF 718 ABC		72	186			05 32 21	+49 23 36
STF 761 & 762		202	209	308		05 38 37	-02 33 13
HJ 3780	CD 1.5	169	137		CD 355	05 39 16	-17 50 58
STF 788		91	149			05 44 43	+03 49 53
STF 796		62	325			05 49 56	+31 47 09
BU 1	AE 15.8	82	134	195	AE 333	00 52 49	+56 37 40
STF 815		137	309			05 54 36	+05 21 13
BU 193		97	232			06 15 30	+03 57 30

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STF 866		196	268			06 18 16	+62 11 52
S 516		8	243			06 19 15	-24 58 30
HJ 3858	BC 3.9	48			BC 310	06 25 30	-35 03 50
5 Lyn, S 514, WAL 46		140	272	168		06 26 49	+58 25 03
10 Mono, BUP 89		257	232			06 27 58	-04 45 44
HJ 3875+BU 755		259	302			06 35 24	-36 46 48
STF 982 ABC		145	328			06 54 38	+13 10 40
STF 1007 AD		300	244	28		07 00 37	+12 43, 24
STF 1054		292	274			07 18 05	+34 57 06
Tau CMa, HJ 3948		90	87	78		07 18 42	-24 57 16
STF 1075		346	334			07 27 44	+62 59 45
STF 1102 ABDE		45	77	131		07 30 26	+13 51 54
Castor ABCD STF 1110		51	164	222		07 34 36	+31 53 18
Zeta 2 Cnc, STF 1196	AB,E 562	177	AB,C 64	AB,D 107	AB,E, 26	08 12 13	+17 38 51
STF 1169, PKO 21		15	124			08 16 31	+79 30 03
HJ 4106+LDS 223		308	219			08 31 26	-36 41 36
STF 1245	AE 113	25	109	292	AE 207	08 35 51	+06 37 14
S 571, BU584	DE 35.4	293	AG 158	242	DE 3	08 39 56	+19 33 11
ENG 37	AD 134.9	150	309	111		08 40 06	+20 00 28
HDO 204		327	278			08 45 57	-32 09 50
STF 1300		178	13	61		09 01 17	+15 15 57
STF 1316		138	281			09 07 52	-07 08 20
HU 227		223	325			09 09 01	-14 11 03
HJ 4199		111	269			09 19 58	-27 46 35
STF 1364/HJ 466		155	297			09 32 02	+20 02 49
STT 204,WAL 56		99	81			09 38 46	+10 46 40
STF 1415		167	13			10 17 51	+71 03 39
36 Uma, LDS 2863		303	292			10 30 38	+55 59 50
STF 1464		302	226			10 41 35	-00 16 21
JC 16		82	112			11 29 39	-24 27 51
DUN 116 ABC		82	38			11 56 42	-32 16 05
STF 1604		89	4			12 09 29	-11 51 25
SHJ 143,AD ARN6		59	168	132		12 22 30	25 50 46
STF 1659 "Stargate"	AE 151.2, AF 209.4	351	69	32	AE 275, AF 139	12 35 44	-12 01 30
HJ 2617, BKO 114 AD	AD 43.1	1	176	343		12 40 37.4	+40 17 16
STF 1669		314	228			12 41 16	-13 00 54
STF 1685		202	328			12 51 55	+19 10 20
STF 1691 ABC		275	84			12 54 60	+58 09 38
STFA 25 ABC	BC 180.1	298	225		BC 151	13 13 28	+67 17 17

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STT 269, ARN 8 AB,D	AB,D 351.6		332	AB,D 259		13 32 51	+34 54 26
STF 1769		47	258	187		13 38 02	+39 10 41
STF 1808		90	108			14 10 08	+26 35 58
STF 1843		186	63			14 24 39	+47 49 50
STF 1854		255	121			14 29 50	+31 47 28
BU 31		222	163	259		14 52 30	+18 44 20
STF 1896		276	342			14 58 22	+44 02 36
STF 1964, HU 1167 AB	CD 1.5	80	86	80	CD 21	15 38 13	+36 14 49
STF 1996 ABC		108	141			15 56 31	+57 16 58
STF 1998, STF 1999		17, 98	42, 84.5	STF 1999, 349		16 04 22, 16 04 26	-11 22 23, -11 26 58
STF 2007		322	137			16 06 03	+13 19 16
STF 2011		67	350			16 07 38	+28 59 44
SHJ 223	AE 76.6	23	21	50	AE 15	16 16 45	+29 09 01
Rho Oph, H 2 19	DE 0.3, CF 4.8	335	0	253	DE 296, CF 207	16 25 35	-23 26 47
STF 2052		117	44			16 28 53	+18 24 51
STF 2050 SIN 126 AD		218	295	44		16 30 50	-13 07 58
STFA 31AB		229	316			16 40 39	+04 13 11
STF 2083		334	191			16 42 44	+13 36 29
HJ 4935, Gliese 667	BC 31.4, BD 20.3	318	142	285	BC 136, BD 312	17 18 57	-34 59 23
HJ 5000, DUN 219		103, 253	45, 174			17 59 13, -17 58 56	36 56 20, -36 51 30
STF 2302	BC 18.3	247	278		BC 287	18 02 51	+75 47 24
100 Her, STF 2280		185	127			18 07 50	+26 06 04
STF 2379		121	155			18 46 29	-00 57 42
STT 525, SHJ 282 ABCD	CD 192.4	130	349	295	CD 283	18 54 53	+33 58 07
STF 1830 & 1831 ABCDEF	CE 138, EF 10.6	138	219		CE 245, EF 312	14 15 60, 14 16 08	+56 41 21, +56 42 46
STF 2521 ABCD		29	326	62		19 26 29	+19 53 30
Delta Cyg STF 2579		214	62			19 44 58	+45 07 50
STF 2673, 2674 CD	CD 15	326	100		CD 1	20 22 44	+13 20 25
S 752, BU 987		128	288			20 30 14	+19 25 16
STF 2787		20	94			21 21 48	+02 01 38
STF 2799		257	331			21 28 53	+11 05 05
STF 2816	CD 30.6		120	339	CD 324	21 38 58	+57 29 20
STF 2944ABC		311	85			22 47 50	-04 13 44
HJ 1823	AE 119 CD 5.1	264	336		CD 139 AE 263	22 51 49	+41 18 47
AR Cas, STT 496	AE 39.9 AF 67.2	1	269		AE 117 AF 338	23 30 02	+58 32 56

Removed Objects System Name	Const.	Mag. A	Mag. B	Mag. C	Mag. D	Sep. AB	Sep. AC	Sep. AD	More Seps.
STF 196	Ari	9.36	10.92	10.18		1.8	21.1		
H VI 69 14 Arietis	Ari	4.99	8.01	7.97		93.3	104		
STF 237, HJL 1014	Ari	9.5	9.9	C 11.9 E10.8	"No D"	14.5	72.7		
STTA 27	Ari	6.7	8.3	11.7		AB 73"	AC 61.9"		
KU 77	Ari	9.94	10.54	11.8		35.7	2.7		
STF 311	Ari	5.32	7.95	10.72		3.2	24.1	220	
BU 1442	Boo	9.87	10.21	9.66		45.3	75.5		
STF 1934	Boo	9.46	9.63	11.55		9.8	138.9		
STF 1625AB, WAL 61 AC	Cam	7.24	7.78	12.3		14.5	47.9		
5_11_2020 Moved									
ARY 8, BU 485	Cas	8.1	8.6	8.2		39.1	104.3		
STF 10	Cas	8.04	8.55	11.1		17.5	55.4		
STF 1964	CrB	8.07	9.87	8.06	9.02	1.2	14.5	15.1	CD 1.5
SHJ 223	CrB	5.79	13.9	10.44	10.35	53.8	87.5	123.3	AE 76.6
Struve 1669	Crv	5.8	5.8	10.3		5.3	45.9		
STF 2011	Gem	7.9	10.2	9.4		2	118		
STF 1604	Crv	6.8	10	8.1		7.5	10.4		
STF 1659 "Stargate"	Crv	7.8	8.3	10.8	9.8	27.6	43.3	189.6	AE 152, AF 208
STF 1669	Crv	5.8	5.8	10.3		5.3	45.9		

Removed Objects System Name	P.A. AB	P.A. AC	P.A. AD	P.A. Other	RA	Dec
STF 196	43	146			01 59 34	+21 00 15
H VI 69 14 Arietis	34	277			02 09 25	+25 56 24
STF 237, HJL 1014	237	275	5		02 15	+10 46
STTA 27	31	155			02 26	+10 34
KU 77	175	18			02 39 04	+28 53 54
STF 311	119	112	134		02 49 17	+17 27 51.5
BU 1442	74	62			14 25.7	+23 38
STF 1934	13	217			15 17.4	+43 48
STF 1625AB, WAL 61 AC	217	245			12 16	+80 08
5_11_2020 Moved						
ARY 8, BU 485	100	43			00 10 37	+58 44 53
STF 10	176	103			00 14	+62 50
STF 1964	81	90	85	85	15 38 12.9	+36 14 48.6
SHJ 223	23	21	50	50	16 16 44.7	+29 09 01.1
Struve 1669	313	228			08 16	+79 30
STF 2011	65	350			16 07 38	+28 59 44
STF 1604	89	5			12 09 29	-11 51 25
STF 1659 "Stargate"	352	71	31	AE 275, AF 140	12 35 44	-12 01 30
STF 1669	313	228			12 41 15	-13 00 50