
WDS Catalog components with magnitude ≤ 8.5 and separation ≥ 30

<i>constellation</i>	<i>WDS Id.</i>	<i>R.A.</i>	<i>Dec.</i>	<i>Sep.</i>	<i>Mag.1</i>	<i>Mag.2</i>	<i>P.Ang.</i>	<i>Year</i>
<i>And</i>								
	STT A256	00080	+3123	109.6	7.13	7.28	113	2005
	BU 483	00091	+4051	156.0	7.04	7.66	267	2001
	STT 11	00307	+3208	198.0	7.57	7.70	318	1998
	H 5 17	00369	+3343	36.4	4.32	7.08	175	2006
	STF A 1	00464	+3057	47.1	7.25	7.43	46	2003
	STT A 17	01245	+3902	137.3	7.97	8.47	348	2005
	STF A 4	01562	+3715	200.5	5.79	6.07	299	2001
	BUP 30	02228	+4124	303.2	5.83	7.42	9	2002
	S 825	23100	+3651	67.2	7.78	8.26	319	1999
	HJ 1853	23108	+4531	33.2	7.00	7.7	191	1905
<i>Aps</i>								
	BSO 22	16203	-7842	103.3	4.90	5.41	10	2000
<i>Aql</i>								
	STT A174	18479	+1110	104.7	7.51	8.32	160	2002
	STT A176	18545	+0154	94.8	7.45	7.51	113	2004
	SHJ 286	19050	-0402	40.2	5.52	6.98	210	2006
	STT A178	19153	+1505	89.9	5.69	7.64	268	2001
	STF A 40	19188	+0020	426.9	6.52	6.78	317	2001
	STF A 45	19431	-0818	97.5	7.11	7.56	147	2001
	STF 2594	19546	-0814	36.3	5.65	6.35	170	2006
	STT A198	20066	+0735	65.2	7.12	7.55	185	2003
	S 735	20113	-0008	55.0	7.16	7.98	210	2004
	S 740	20142	+0635	43.5	7.77	8.06	193	2002
	S 749	20275	-0206	59.7	6.76	7.51	189	2002
<i>Aqr</i>								
	S 788	21238	-0635	55.3	7.65	8.27	93	2002
	ARN 24	22258	-2014	124.0	6.7	8.0	92	2005
	STF 2944	22478	-0414	61.8	7.8	8.3	90	2005
	STF A 59	23052	-0742	254.8	5.47	7.21	149	2001
<i>Ara</i>								
	DAW 212	16475	-4819	130.1	7.40	8.21	144	1991
	DUN 211	16475	-4819	45.3	8.14	8.21	193	1999
	DUN 211	16475	-4819	106.4	7.40	8.14	125	1999
	HJ 4890	16540	-4655	30.4	7.92	8.14	321	1999
	DUN 216	17269	-4551	102.4	5.63	7.12	312	1999
<i>Ari</i>								
	H 5 12	01579	+2336	38.2	4.80	6.65	47	2006
	H 6 69	02094	+2556	93.2	4.99	8.01	34	1983
	H 6 69	02094	+2556	106.7	5.02	7.97	278	2003
	STT A 27	02268	+1034	72.9	6.72	8.31	32	2001
	STF A 5	02370	+2439	39.0	6.50	7.02	275	2006

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<i>Aur</i>								
	STT A 61	05096	+2947	68.4	6.72	8.49	245	1998
	SHJ 51	05167	+4600	522.4	0.24	8.10	349	2003
	STF 698	05252	+3451	31.2	6.65	8.33	347	2004
	ARY 36	05255	+3411	110.2	6.75	8.48	247	2003
	BLL 15	05276	+3429	210.3	5.22	8.07	16	2002
	STT A 63	05308	+3950	75.9	6.49	7.69	277	1998
<i>Boo</i>								
	STF 1772	13407	+1957	208.6	5.76	7.38	1	2000
	S 656	13504	+2117	85.9	6.93	7.37	208	2003
	STF A 26	14162	+5122	39.7	4.76	7.39	34	2004
	SHJ 191	14596	+5352	40.3	6.86	7.57	342	2002
	ARY 52	15124	+5256	147.1	7.6	8.4	331	2005
	STF A 27	15155	+3319	102.4	3.56	7.89	79	2004
	STF A 28	15245	+3723	107.1	4.33	7.09	170	2002
	STT 298	15360	+3948	121.5	6.90	7.75	328	2002
<i>Cam</i>								
	STT A 33	03221	+6244	115.5	7.73	7.80	112	2004
	STT A 36	03400	+6352	45.9	6.92	8.27	71	1999
	WEB 2	03427	+5958	55.3	5.93	8.45	36	2002
	S 436	03493	+5707	57.3	6.46	7.17	76	2002
	STT A 46	04211	+5532	97.8	7.68	7.95	160	1999
	OPI 5	04382	+7128	111.8	7.67	8.50	279	2001
	S 459	05034	+6027	83.0	4.12	7.44	210	2003
	STF 618	05036	+6305	33.0	7.68	7.98	211	2000
	STF A 13	05061	+5858	178.7	5.20	6.21	9	2002
	STF 1051	07266	+7305	31.7	7.60	7.79	84	1999
	SHJ 86	08025	+6305	51.1	6.15	7.53	81	1999
	SHJ 136	12110	+8143	70.8	6.15	8.25	74	2000
<i>Cap</i>								
	STF A 51	20181	-1233	381.2	3.67	4.34	292	2002
	STF A 52	20210	-1447	206.0	3.15	6.08	267	2002
	SHJ 323	20289	-1749	258.7	4.97	6.68	150	2001
	HJ 2973	20322	-2209	39.5	7.77	8.10	129	1998
<i>Car</i>								
	DUN 34	06442	-5442	129.5	6.44	6.66	192	1999
	DUN 40	07092	-5622	36.7	8.10	8.46	143	1999
	BSO 16	07217	-6157	170.5	6.9	8.32	210	1999
	DUN 60	08014	-5431	40.2	6.10	7.86	162	1999
	DUN 62	08047	-6250	86.4	6.22	7.80	259	2000
	DUN 74	08570	-5914	40.1	4.87	6.58	76	2000
	CPO 48	10151	-6717	62.4	7.67	8.36	236	2000
	DUN 87	10307	-6121	82.3	6.60	7.55	331	2000
	DUN 97	10432	-6110	83.6	6.59	8.14	17	1998
	DUN 99	10443	-7052	62.8	6.26	6.47	75	2000
	DUN 98	10451	-5941	60.6	6.54	8.14	17	2000

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	DUN 102	10535	-5851	159.4	3.88	6.23	204	2000
	DUN 103	10535	-5851	56.4	3.88	7.84	7	2000
<i>Cas</i>								
	STT A254	00013	+6021	58.0	7.40	8.33	89	1998
	S 838	00042	+6217	246.4	5.92	8.24	196	1991
	ARY 7	00104	+5831	123.3	7.79	8.34	3	2002
	ARY 8	00108	+5846	103.2	8.13	8.29	43	2002
	H 5 82	00474	+5106	56.3	7.97	8.35	75	2003
	STF 60	00491	+5749	679.9	7.36	8.41	356	1991
	STF 60	00491	+5749	689.2	3.52	8.41	355	1991
	HJ 2028	01166	+7402	60.8	7.06	7.88	205	2001
	H 3 23	01201	+5814	135.3	5.07	7.04	233	2001
	ARN 32	01433	+6033	317.0	5.77	7.12	268	2002
	STT A 26	02197	+6002	63.2	6.95	7.30	202	2002
	STF 262	02291	+6724	210.6	4.63	8.48	60	1991
	STF 262	02291	+6724	213.5	6.92	8.48	60	1991
	CTT 3	02359	+6338	87.4	7.78	8.30	87	2003
	ARY 35	02377	+6520	113.9	8.24	7.56	134	2003
	STT A 28	02390	+6235	67.8	6.65	7.56	148	1999
	STF 306	02511	+6025	123.4	7.39	8.37	159	2002
	STT A 31	03009	+5940	73.4	7.33	8.03	230	1999
	S 823	23097	+5920	167.9	5.72	8.16	163	2001
	SHJ 355	23300	+5833	76.0	4.87	7.23	268	2004
	STF A 60	23336	+6028	234.5	7.46	7.28	211	2003
	BAR 64	23448	+5627	352.7	8.17	8.4	319	1983
	STT 507	23487	+6453	50.0	6.48	8.44	350	2003
	ARY 33	23592	+5032	98.8	7.32	8.12	140	2002
<i>Cen</i>								
	DUN 113	11370	-3858	148.9	6.94	7.62	149	1999
	JC 2	12084	-5043	216.9	2.51	6.35	227	1999
	JC 2	12084	-5043	268.9	2.51	4.42	325	1992
	DUN 133	13226	-6059	60.7	4.49	6.15	346	2000
	DUN 142	13440	-5914	33.2	6.48	7.60	90	2000
	DUN 146	13493	-4031	66.1	6.95	7.45	86	1991
	CPO 61	13515	-4818	30.5	7.37	7.43	131	1999
	WFC 145	14060	-4111	85.4	4.4	8.5	78	1999
<i>Cep</i>								
	STT A253	00011	+6935	101.2	7.57	8.03	354	1999
	STT A 1	00141	+7601	73.6	7.39	7.81	104	2000
	HJ 1986	00396	+8445	40.3	7.96	8.50	69	2002
	STT A 14	01191	+8052	127.6	7.56	6.69	26	2001
	S 405	02128	+7941	55.1	6.47	7.15	277	2002
	STT A211	20493	+5845	95.8	6.85	7.88	268	2005
	ARN 34	20577	+5849	215.3	7.97	7.93	266	2002
	STF A 57	21344	+6644	182.6	7.07	7.18	26	1999
	GUI 36	21390	+5729	30.7	7.48	7.53	324	2006

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	S 800	21538	+6237	62.6	7.07	7.91	145	1999
	ARY 43	21572	+6609	99.9	6.38	6.75	129	2003
	STT 461	22039	+5949	184.7	6.73	7.84	73	2001
	STT 461	22039	+5949	193.6	6.96	8.14	34	2001
	STT 461	22039	+5949	237.0	6.73	6.96	38	2001
	STT 461	22039	+5949	136.3	7.84	6.96	347	2001
	ARY 45	22083	+6959	66.3	7.86	8.11	207	2003
	STF A 58	22292	+5825	40.6	4.21	6.11	191	2004
	STT A236	22361	+7253	42.7	7.63	8.42	135	2000
	STT A238	22527	+6759	69.2	7.02	7.58	280	1999
	S 820	22562	+7250	119.2	7.57	8.42	280	2000
<i>Cet</i>								
	HJ 1968	00277	-1625	34.7	7.30	7.96	234	2006
	HJ 1981	00310	-1005	78.0	6.91	8.43	88	2001
	HJ 323	00407	-0421	63.2	6.01	8.46	287	2003
	STF A 3	01144	-0755	48.4	5.19	7.85	331	2003
	HJ 2052	01316	-1901	80.0	6.86	7.47	115	2001
	STF 150	01434	-0705	35.6	7.73	8.19	196	2001
	ENG 8	01496	-1041	184.7	4.69	6.81	251	2001
	STU 15	02004	-0831	384.9	5.66	7.03	62	2002
	STF A 6	03092	+0728	81.0	7.66	7.84	164	2002
	BU 1039	03174	+0739	155.7	7.44	7.82	38	2005
<i>Cir</i>								
	DUN 169	14452	-5536	69.2	6.08	7.55	105	1999
	JRN 16	14487	-6636	87.8	5.86	7.72	323	2000
<i>CMa</i>								
	S 516	06193	-2458	60.2	7.32	8.29	8	1999
	S 516	06193	-2458	300.5	7.31	7.00	243	1991
	SMY 1	06203	-3004	174.2	2.96	7.81	338	1999
	S 537	06497	-2405	30.1	6.56	8.28	283	1999
	H 5 108	06504	-3142	42.7	5.76	7.71	66	1999
	BSO 2	07170	-3054	37.7	6.32	7.82	183	1999
	HJ 3948	07187	-2457	84.8	4.42	8.22	77	2002
	SMY 2	07241	-2918	179.0	2.45	6.77	286	1999
	DUN 47	07247	-3149	98.5	5.40	7.58	343	1999
<i>Cnc</i>								
	ARN 2	08102	+2551	187.6	6.6	8.0	33	2002
	STT A 94	08362	+1347	43.5	7.39	8.11	133	2003
	S 570	08391	+1941	57.1	7.45	8.5	84	2002
	BU 584	08399	+1933	99.8	6.67	7.47	89	2002
	S 571	08399	+1933	45.2	7.31	7.47	157	2002
	S 571	08399	+1933	92.7	7.31	6.67	242	2002
	ENG 37	08401	+2000	150.1	6.47	6.58	153	2002
	STF 1254	08404	+1940	63.3	6.52	7.61	343	2002
	S 574	08405	+1933	134.1	6.28	7.48	250	2002
	STF 1268	08467	+2846	30.7	4.13	5.99	308	2003

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	STT A 96	08520	+2543	49.0	7.65	8.45	313	1999
	HJ 460	08525	+2816	273.5	6.47	6.04	21	2005
	STT A 97	09084	+2732	51.4	8.30	8.31	237	2005
	STT A 98	09171	+0717	107.6	8.03	8.32	172	2004
<i>Col</i>								
	HJ 3849	06198	-3930	39.5	6.73	8.07	54	2000
	DUN 28	06240	-3642	63.6	5.73	6.91	74	1999
	HJ 3858	06255	-3504	131.7	6.40	7.61	47	1991
	DUN 29	06291	-4022	64.6	7.70	7.98	118	1999
<i>Com</i>								
	STF A 21	12289	+2555	146.2	5.23	6.64	251	2002
	STF 1678	12454	+1422	36.5	7.16	7.68	172	2006 1
	SHJ 123	12519	+1910	252.4	7.78	8.22	330	2002
	SHJ 123	12519	+1910	242.9	7.31	8.22	328	2002
	STF A 23	12522	+1704	195.6	6.50	6.99	51	2000
	BGH 46	13166	+1948	203.2	6.46	7.59	58	2000
	H 5 70	13309	+2414	75.1	7.67	8.28	257	2005
<i>CrB</i>								
	STF A 29	16224	+3348	360.8	5.39	5.58	164	2001
<i>Crt</i>								
	BU 600	11170	-0708	54.3	6.15	8.22	99	2002
<i>Cru</i>								
	DUN 252	12266	-6306	90.0	2.3	6.	205	1991
	DUN 252	12266	-6306	90.0	1.25	4.80	202	1991
	DUN 124	12312	-5707	125.2	1.83	6.45	27	2002
	DUN 125	12477	-5941	373.0	1.28	7.17	23	1991
	DUN 126	12546	-5711	34.8	3.94	4.95	18	2002
<i>Crv</i>								
	STF 1659	12357	-1201	153.1	7.94	6.78	275	2003
	STF 1659	12357	-1201	207.4	7.94	6.64	140	2003
	STF 1659	12357	-1201	333.1	6.86	6.70	121	2003
<i>CVn</i>								
	BUP 143	12300	+5132	215.3	6.27	8.45	333	2002
	STF A 24	13101	+3830	277.5	5.95	6.26	296	2004
	ARN 8	13329	+3454	352.5	6.81	8.40	260	2002
<i>Cyg</i>								
	STF A 43	19307	+2758	35.3	3.19	4.68	54	2006 2
	ARN 82	19362	+3541	43.5	8.1	8.4	34	2004
	STG 8	19364	+5013	82.1	4.6	8.5	40	1923
	GUI 25	19365	+4101	166.9	7.74	7.76	161	2003
	STF A 46	19418	+5032	39.5	6.00	6.23	133	2005 5
	BUP 196	19426	+4002	106.7	7.90	8.31	167	2002
	STT A188	19428	+3741	60.4	7.71	7.98	120	1999
	BOT 3	19459	+3501	44.6	6.10	8.5	77	1958

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	H 5 137	19459	+3501	38.6	6.22	8.18	25	2006
	SHJ 314	20060	+3547	36.6	6.78	7.30	28	2006
	HJ 606	20084	+3808	44.4	7.98	8.12	228	2003
	S 738	20106	+3338	42.1	7.76	8.43	106	1998
	BLL 47	20134	+3844	129.9	8.00	7.15	354	2002
	GUI 30	20136	+4644	425.8	4.83	6.97	151	1998
	STF A 50	20136	+4644	107.1	3.93	6.97	173	2000
	STF A 50	20136	+4644	330.7	3.93	4.83	324	1998
	ENG 72	20145	+3648	215.8	4.96	6.71	156	2002
	S 743	20155	+4743	208.4	4.16	8.36	177	2002
	SLE 982	20165	+3739	203.8	8.2	8.5	24	1985
	BU 665	20222	+4015	141.0	2.20	5.4	196	1980
	STT A207	20229	+4259	86.9	6.41	8.01	64	2003
	STF A 53	20375	+3134	182.7	6.29	6.54	177	2003
	BU 1138	21028	+4551	153.1	6.46	7.82	330	2002
	STF 2758	21069	+3845	31.8	5.35	6.10	151	2006 1
	STT A215	21105	+4742	135.7	6.55	7.52	189	1999
	STT A216	21143	+3418	100.7	7.35	8.09	47	2006
	STF A 55	21238	+3721	364.2	6.61	6.61	304	2001
	S 799	21434	+3817	150.3	5.69	7.00	61	2001
	STF 2822	21441	+2845	197.5	4.75	6.94	45	2001
	STF 2822	21441	+2845	198.7	6.18	6.94	46	1991
<i>Del</i>								
	S 752	20302	+1925	106.7	6.80	7.30	288	2001
	STT A209	20450	+1244	97.0	8.22	8.17	156	2005
	STF 2738	20585	+1626	209.8	7.51	8.14	104	2002
<i>Dra</i>								
	STF 1516	11152	+7329	62.5	7.77	8.23	103	2003 1
	STF 1599	12056	+6848	125.7	7.50	7.94	182	1999
	STF A 25	13135	+6717	179.0	6.64	7.08	296	1999
	STT A123	13271	+6444	68.9	6.65	7.03	147	2000
	STT A127	13510	+6819	85.8	6.53	8.32	63	1999
	STT A138	15201	+6023	152.1	7.64	7.76	196	2002
	STT A141	15389	+5728	234.0	7.55	7.98	336	2002
	STT 312	16240	+6131	566.1	2.80	8.10	240	1991
	STF A 30	16362	+5255	89.8	6.53	5.52	18	2003
	STF A 30	16362	+5255	89.8	5.38	5.50	196	2003
	BU 953	16366	+6948	147.0	8.04	8.03	46	1999
	D 30	16564	+6502	376.0	7.07	4.94	336	1991
	LDS 5227	17293	+6352	193.5	7.72	8.47	288	1999
	STF A 35	17322	+5511	62.6	4.87	4.90	312	2005 1
	STF 2241	17419	+7209	30.7	4.60	5.59	16	2006 1
	STT A163	17563	+6237	54.5	7.77	7.59	51	1999
	STF 2308	18002	+8000	223.9	5.70	8.34	128	1999
	STF 2278	18029	+5626	36.9	7.78	8.14	29	2006
	STF 2323	18239	+5848	90.4	5.06	7.95	20	2001
	STF 2323	18239	+5848	85.6	7.9	7.3	21	2000

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	H 6 37	18426	+5532	331.5	5.01	8.24	341	1991
	STF 2420	18512	+5923	36.5	4.77	8.26	319	2003
	STF 2549	19312	+6319	56.0	8.34	8.03	270	2006
	STF A 44	19332	+6010	75.5	6.47	8.19	288	2005
	STT A200	20023	+6438	98.6	6.36	8.06	333	1999
	STH 7	20282	+8125	196.6	5.48	6.66	282	2000
<i>Equ</i>								
	STF A 54	21103	+1008	337.7	4.70	6.06	152	2001
	S 781	21135	+0713	184.0	7.42	7.17	172	2002
<i>Eri</i>								
	HJ 3533	02498	-2015	39.0	7.56	8.19	267	2006
	ENG 17	04095	-1729	119.5	8.07	8.29	136	2002
	SRT 2	04116	-2021	61.8	5.82	7.68	334	1998
	HJ 3628	04125	-3609	50.2	7.17	7.95	50	2000
	HJ 3644	04215	-2544	44.6	6.15	8.23	41	1999
<i>Gem</i>								
	STT A 70	06141	+2359	114.7	7.55	7.95	178	1998
	S 513	06212	+2108	264.7	7.31	7.61	24	2002
	STT A 77	06290	+2013	111.6	4.10	8.01	331	2002
	S 524	06341	+2207	53.3	7.17	7.41	244	2002
	S 529	06376	+1211	142.2	6.91	8.09	168	2002
	STT A 80	06581	+1414	124.4	7.25	7.37	54	2002
	STT A 80	06581	+1414	80.0	7.25	8.37	112	2002
	STT A 80	06581	+1414	106.5	7.3	8.2	194	2002
	STF 1007	07006	+1243	67.9	7.43	7.74	28	2000
	ARN 66	07013	+3225	169.9	6.59	8.26	301	2004
	SHJ 77	07041	+2034	100.1	4.05	7.66	347	2005
	ENG 28	07080	+1532	171.8	7.74	7.86	280	2002
	STT A 83	07096	+2544	120.5	7.16	7.79	80	2002
	STF 1088	07260	+1406	137.4	7.4	8.1	224	1984
	STF 1090	07265	+1831	60.9	7.27	8.17	98	2003
	ALC 3	07291	+3147	757.	4.20	7.70		
	STT A 86	07292	+1421	55.3	7.17	8.24	349	2003
	STT A 89	07510	+3137	77.0	6.83	7.69	83	2004
<i>Gru</i>								
	I 22	22553	-4828	93.6	7.14	6.71	181	1993
	JC 20	23069	-4331	158.9	4.45	7.77	292	2002
<i>Her</i>								
	SHJ 233	16315	+0818	58.3	7.07	8.28	70	2003
	WEB 6	16354	+1703	157.0	6.41	7.26	359	2001
	STF A 31	16406	+0413	69.1	5.76	6.92	229	2004
	STT A149	16435	+2043	96.8	7.24	8.38	134	2003
	STF A 32	16579	+4722	112.1	7.93	8.05	261	2001
	ARN 15	17037	+1336	244.9	5.9	8.5	13	2002
	STF A 33	17037	+1336	305.1	5.91	6.17	118	2002
	ARN 14	17207	+3228	395.0	5.4	7.5	59	2002

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	S 689	17246	+3913	89.9	7.48	8.44	197	2003
	STT A157	17407	+3117	116.5	6.43	7.92	105	2003
	STT 341	18058	+2127	132.8	7.39	7.64	239	2002
	H 5 93	18130	+2815	55.1	8.16	8.28	136	2000
	GUI 21	18267	+2627	162.9	6.48	7.09	286	2002
	STT 358	18359	+1659	199.3	6.94	8.50	235	1999
<i>Hor</i>								
	DUN 7	02397	-5934	36.5	7.67	7.69	97	1999
<i>Hya</i>								
	HJ 99	08379	-0648	60.2	6.82	8.27	181	2002
	S 579	08437	-0714	79.0	4.72	8.20	311	2002
	STU 23	08476	+0001	217.3	7.84	7.82	352	2004
	S 585	08552	-1814	64.2	5.90	7.24	151	2002
	SHJ 105	09205	-0933	229.1	4.91	7.03	212	2002
	HJ 1167	09291	-0246	66.2	4.64	7.28	5	2002
	STF 1474	10476	-1516	66.2	6.67	7.05	28	2002
	STF 1474	10476	-1516	73.1	6.66	7.59	27	2002
	HJ 4465	11417	-3230	66.1	5.37	8.34	44	1999
<i>Ind</i>								
	DUN 235	20450	-5029	125.2	7.96	7.48	122	1999
	JC 25	21440	-5720	187.0	6.54	7.47	214	1999
	JC 25	21440	-5720	152.3	6.54	6.90	4	1999
<i>Lac</i>								
	HJ 1735	22093	+4451	109.6	6.73	6.77	286	2001
	STT A234	22269	+4943	36.6	8.15	8.49	134	1999
	A 1469	22359	+3938	320.1	6.29	7.25	241	1991
	A 1469	22359	+3938	65.3	6.45	8.5	131	2003
	A 1469	22359	+3938	333.8	5.66	7.25	239	2006
	BU 277	22395	+4123	78.0	8.26	8.50	47	2003
	HJ 1823	22518	+4119	80.9	7.06	8.11	337	2000
<i>Leo</i>								
	STF 1399	09570	+1946	31.0	7.65	8.36	175	2003
	STF B 6	10084	+1158	176.0	1.40	8.24	308	2000
	STF A 18	10167	+2325	333.8	3.46	6.03	338	2002
	STF A 19	11279	+0251	88.9	5.05	7.47	181	2004
	BU 604	11491	+1434	240.0	2.14	8.49	196	2003
	STT A112	11545	+1925	73.1	8.28	8.49	35	2004
<i>Lep</i>								
	S 476	05193	-1831	40.0	6.31	6.48	18	2006
	HJ 3780	05393	-1751	76.0	6.42	7.90	8	2002
	HJ 3780	05393	-1751	132.3	6.69	8.25	299	2002
	H 6 40	05445	-2227	97.1	3.64	6.28	350	2002
<i>Lib</i>								
	SHJ 179	14255	-1958	34.2	6.61	7.16	295	2003
	SHJ 186	14509	-1603	231.1	2.74	5.19	315	2002
<i>Lib</i>								

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	SHJ 195	15145	-1826	47.4	6.79	8.32	140	2002
	SHJ 202	15282	-0921	52.3	6.95	7.61	133	2003
	SHJ 202	15282	-0921	152.8	7.59	7.9	99	1999
<i>LMi</i>								
	STT A104	10244	+3411	208.4	7.21	7.27	288	2002
	STT A105	10299	+2835	133.6	7.01	8.24	226	1998
	ARN 3	10459	+3041	424.6	5.34	8.31	94	2002
	S 612	10459	+3041	196.5	5.34	7.78	174	2002
<i>Lup</i>								
	DUN 163	14380	-5431	64.5	8.04	8.37	103	2001
	CPO 415	15107	-4344	49.8	7.07	7.66	21	1999
	DUN 178	15116	-4517	30.9	6.53	7.31	258	1999
	DUN 176	15123	-5206	71.8	3.50	6.74	249	1999
	DUN 192	15471	-3531	34.7	6.91	7.26	143	1998
<i>Lyn</i>								
	STT A 72	06247	+5940	133.3	7.58	7.58	327	2005
	S 514	06268	+5825	95.8	5.38	7.92	272	2002
	BUP 91	06377	+6129	379.9	5.94	6.99	94	1929
	ES 2624	07219	+4614	81.0	8.12	8.25	87	2004
	STF 1062	07229	+5517	215.3	5.76	7.57	6	2002
	STT A 84	07254	+5633	113.6	7.72	7.75	324	2004
	STT A 87	07389	+4229	62.2	7.59	7.78	357	2004
	STT 565	08170	+5911	225.2	6.71	8.45	309	2002
	STT A 91	08195	+3503	94.8	7.21	8.36	210	2005
	STF 1369	09354	+3958	114.6	6.98	8.42	323	2003
	STF 1369	09354	+3958	139.0	7.98	8.42	324	2003
<i>Lyr</i>								
	STT A171	18329	+3850	150.1	7.02	8.12	328	2002
	STF A 37	18443	+3940	210.5	5.01	5.25	174	1998
	STF A 37	18443	+3940	211.2	6.10	5.38	172	1991
	STF A 37	18443	+3940	208.7	5.01	5.38	172	1991
	STF A 37	18443	+3940	211.0	6.10	5.25	172	1991
	STF A 38	18448	+3736	43.6	4.34	5.62	150	2005
	STF A 39	18501	+3322	47.4	3.63	6.69	151	2005
	SHJ 282	18549	+3358	45.1	6.14	7.60	349	2004
	STT A181	19201	+2639	62.3	7.39	7.50	360	2005
<i>Mic</i>								
	DUN 236	21022	-4300	57.5	6.68	6.95	73	1999
	SEE 437	21064	-4123	128.3	5.66	7.92	88	1999
<i>Mon</i>								
	STF 910	06267	+0027	66.2	6.99	8.11	153	2002
	STF 950	06410	+0954	105.7	4.64	8.2	56	2002
	STF 985	06539	-0424	32.6	7.78	8.39	323	2002
	STT A 79	06541	+0641	115.5	7.20	7.52	89	2004
	STT A 82	07043	+0129	89.9	6.54	7.62	320	2004

<i>constellation</i>	<i>WDS Id.</i>	<i>R.A.</i>	<i>Dec.</i>	<i>Sep.</i>	<i>Mag.1</i>	<i>Mag.2</i>	<i>P.Ang.</i>	<i>Year</i>
	STF 1183	08065	-0915	30.6	6.22	7.77	328	2004
<i>Mus</i>								
	DUN 131	13152	-6754	58.4	4.76	7.24	332	2002
<i>Nor</i>								
	DUN 191	15453	-5841	32.5	7.75	8.09	296	1999
	RSS 30	16215	-5306	46.5	8.31	8.42	238	1999
<i>Oph</i>								
	H 2 19	16256	-2327	156.4	5.07	6.81	252	1999
	H 2 19	16256	-2327	150.0	5.07	7.29	360	1999
	SHJ 243	17153	-2636	267.4	5.12	7.80	337	1991
	SHJ 243	17153	-2636	284.9	5.7	7.9	339	1987
	SHJ 243	17153	-2636	733.0	5.12	6.46	74	1991
	STF A 34	17346	+0935	41.5	5.80	7.50	190	2004
	STF 2185	17348	+0601	88.9	7.46	8.43	248	2002
	SHJ 251	17391	+0202	111.7	6.37	7.78	328	2002
	S 694	17521	+0107	79.0	6.67	7.26	237	2003
	H 6 2	18006	+0256	54.3	3.96	8.06	142	2003
	BU 1202	18015	+0331	89.7	8.43	7.95	139	2005
	LDS 1012	18262	+0847	608.3	7.91	8.37	163	1991
<i>Ori</i>								
	S 457	04531	-0117	41.0	7.93	8.07	355	2002
	SHJ 49	04590	+1433	40.3	6.06	7.43	305	2006
	STT A 62	05120	+0650	125.4	7.59	7.82	52	1999
	STF 696	05228	+0333	32.1	4.95	6.76	28	2005
	S 479	05246	+0149	157.0	8.30	4.84	38	2002
	STF A 14	05320	-0018	53.3	2.41	6.83	1	2004
	STF 747	05350	-0600	36.2	4.70	5.51	224	2005
	STF A 16	05354	-0525	52.2	5.03	6.19	93	2005
	STF A 16	05354	-0525	76.0	6.19	8.46	103	2004
	STF A 17	05354	-0525	133.3	5.03	5.06	316	2004
	STT A 65	05379	+0058	80.0	7.45	7.99	32	2004
	STF 761	05386	-0233	68.1	7.86	8.39	203	2003
	STF 762	05387	-0236	41.5	3.76	6.34	62	2003
	STF 3135	05387	-0236	207.8	3.76	7.86	324	1998
	STF 774	05407	-0157	59.8	4.2	8.5	8	2002
	S 502	05547	+1351	45.9	7.89	8.29	131	2004
	S 503	05561	+1356	76.0	6.67	8.41	322	2002
	S 503	05561	+1356	225.2	8.41	8.24	337	2002
	S 503	05561	+1356	299.2	6.67	8.24	334	2002
	BU 1189	05575	+0024	56.3	8.01	8.32	196	2002
	ARN 37	05584	+0150	177.8	5.92	6.94	294	2002
	S 509	06143	+1430	170.8	7.25	8.04	199	2002
	STT A 71	06145	+1148	89.9	7.21	7.62	313	2004
	STT A 73	06194	+1326	72.1	6.94	7.74	44	2004
	ARN 41	06210	+0944	124.4	8.14	7.93	21	2002

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<i>constellation</i>	<i>WDS Id.</i>	<i>R.A.</i>	<i>Dec.</i>	<i>Sep.</i>	<i>Mag.1</i>	<i>Mag.2</i>	<i>P.Ang.</i>	<i>Year</i>
	STF A 56	21377	+0637	39.9	6.18	7.50	348	2006
	STT A222	21441	+0709	87.4	7.49	8.47	258	2005
	ES 382	21509	+3240	58.3	8.28	8.42	324	2002
	STT A241	22586	+1203	84.9	8.28	8.37	162	2003
	STT A245	23260	+2742	62.2	7.92	8.50	194	2004
	STF 3039	23469	+2825	714.9	7.41	8.15	94	1991
	STF 3041	23479	+1703	64.6	8.35	8.36	352	1923
	STT A252	23549	+2929	111.1	6.77	8.37	145	1999
<i>Per</i>								
	STT A 25	02169	+5703	101.7	6.52	7.41	205	2004
	STT 44	02422	+4242	85.9	8.47	8.32	290	2002
	BUP 45	03356	+4253	180.7	7.45	7.98	91	2002
	S 430	03383	+4448	40.5	7.21	7.53	96	2003
	STF 434	03440	+3822	33.1	7.80	8.28	83	2006
	ALC 1	04076	+3804	720.	7.32	5.57		
	AG 308	04080	+4311	130.4	7.18	6.55	71	2002
	STT A 44	04173	+4613	57.3	7.12	7.99	323	2002
	S 445	04210	+5015	71.1	7.31	8.19	329	2002
	ARN 42	04334	+4304	442.4	6.13	7.42	79	2003
	SHJ 44	04334	+4304	120.5	6.12	6.83	198	2003
	S 451	04363	+4722	55.8	7.59	7.91	202	1998
<i>Phe</i>								
	LDS 21	00366	-4908	329.8	6.85	8.48	273	1991
<i>Pic</i>								
	DUN 20	05248	-5219	38.1	6.24	6.74	289	2002
	DUN 21	05302	-4705	197.8	5.52	6.68	271	2000
	HJ 3822	05572	-5326	55.6	6.63	7.58	303	2000
	DUN 27	06163	-5913	34.4	6.49	7.61	233	1999
<i>PsA</i>								
	PZ 7	22315	-3221	30.6	4.28	7.12	173	2006
	DUN 241	22366	-3140	93.3	5.93	7.55	31	1999
	H 6 119	22397	-2820	86.5	6.43	7.50	159	1991
<i>Psc</i>								
	STF 88	01057	+2128	30.3	5.27	5.45	159	2006 1
	STF 90	01058	+0455	33.8	6.39	7.26	83	2006
	STT 30	01256	+3133	56.8	8.09	8.06	106	2002
	S 398	01284	+0758	69.1	6.34	8.02	100	2001
	KPR 1	01443	+0929	188.8	7.87	8.39	284	1991
	PWL 1	02020	+0246	404.9	4.10	8.25	63	2006
<i>Pup</i>								
	HJ 3834	06047	-4505	196.2	6.02	6.39	321	1999
	DUN 43	07171	-3706	68.9	2.89	7.94	213	1999
	JC 10	07183	-3644	240.0	4.66	5.07	98	1991
	S 550	07276	-1830	39.0	6.89	7.63	116	2003
	S 555	07366	-1429	95.5	7.66	6.67	48	2002

<i>constellation</i>	<i>WDS Id.</i>	<i>R.A.</i>	<i>Dec.</i>	<i>Sep.</i>	<i>Mag.1</i>	<i>Mag.2</i>	<i>P.Ang.</i>	<i>Year</i>
	STF 1121	07366	-1429	82.0	6.92	7.66	4	2002
	STF 1121	07366	-1429	164.9	6.92	6.67	28	2002
	DUN 55	07442	-5027	51.9	6.69	7.59	133	1999
	DUN 56	07471	-4130	49.5	6.89	7.84	178	1999
	KNT 4	07478	-1601	129.4	6.54	6.60	132	2002
	BU 333	08013	-2220	42.6	7.15	7.62	71	1998
	S 563	08085	-1952	134.3	7.03	7.62	57	2002
	DUN 67	08140	-3619	66.9	5.03	5.99	176	1999
	S 568	08252	-2403	42.2	5.48	8.43	90	2001
<i>Pyx</i>								
	WFC 73	08436	-3311	106.7	3.63	8.14	356	1999
<i>Ret</i>								
	ALB 1	03182	-6230	309.3	5.30	5.57	217	1991
	DUN 14	03382	-5947	57.3	7.00	8.34	272	1999
	LDS 104	03442	-6448	999.9	3.96	7.93	95	1991
	DUN 17	04010	-5424	64.6	7.70	8.22	142	1999
<i>Sco</i>								
	STF 1999	16044	-1127	278.5	7.52	4.30	351	2006
	DUN 199	16086	-3906	44.1	6.62	7.13	184	2000
	H 5 6	16120	-1928	41.3	4.21	6.60	338	2005
	SHJ 225	16201	-2003	46.9	7.39	8.08	333	2002
	CPO 70	16439	-4107	97.2	6.11	6.22	258	2000
	JC 23	16540	-4148	56.5	5.47	6.56	20	1999
	WFC 183	16542	-4151	30.5	6.39	7.74	36	1999
	WFC 201	17538	-3447	34.3	6.27	6.98	209	1998
<i>Sct</i>								
	ARN 47	18349	-1442	378.2	8.14	8.26	81	2003
	H 6 50	18497	-0555	111.4	6.15	8.23	171	2001
<i>Ser</i>								
	STF 2007	16060	+1319	37.8	6.89	7.98	322	2003
	ARY 15	18375	+0313	153.6	7.79	8.36	142	2002
	STF 2417	18562	+0412	407.0	4.93	6.78	57	2004
	STF 2417	18562	+0412	421.9	4.59	6.78	58	2004
<i>Sex</i>								
	S 605	09541	+0457	52.5	6.89	8.40	287	2004
	HJ 2530	10242	+0222	202.4	6.42	6.72	64	2002
	STF 1466	10433	+0445	333.8	6.23	8.10	210	2003
<i>Sge</i>								
	ARN 18	19020	+1907	173.8	7.06	7.95	340	2002
	STT A177	19126	+1651	99.7	7.11	8.02	278	2002
	STF A 41	19244	+1656	341.7	6.26	6.86	79	2002
	H 6 26	19373	+1628	87.4	5.77	8.35	82	2002
	S 730	20001	+1737	112.9	7.16	8.45	14	2002
	STT 592	20041	+1704	213.9	5.86	6.92	333	2001
	WEB 12	20078	+1950	41.2	8.36	8.37	77	2000

<i>constellation</i>	<i>WDS Id.</i>	<i>R.A.</i>	<i>Dec.</i>	<i>Sep.</i>	<i>Mag.1</i>	<i>Mag.2</i>	<i>P.Ang.</i>	<i>Year</i>
	STF 2637	20099	+2055	89.8	6.56	7.52	222	2004
<i>Sgr</i>								
	DUN 219	17589	-3652	53.2	5.84	7.75	254	1999
	WNO 6	18290	-2635	41.8	6.67	7.99	182	1999
	BU 966	18319	-1908	431.5	6.87	8.00	254	2002
	HJ 599	19407	-1618	44.7	5.42	7.65	42	2003
<i>Tau</i>								
	STF A 7	03311	+2744	44.0	7.41	7.81	234	2004
	STT 57	03334	+2322	70.1	7.17	7.67	34	2002
	STT A 38	03446	+2754	133.8	6.78	6.91	51	2003
	HJ 3251	03452	+2428	72.1	4.30	8.1	329	2003
	S 437	03463	+2411	39.5	8.13	7.70	308	2006
	STF A 8	03475	+2406	117.5	2.83	6.27	290	2003
	STF A 8	03475	+2406	181.5	2.83	8.22	313	2002
	STF A 8	03475	+2406	85.9	6.27	8.22	344	2002
	STT A 40	03494	+2423	86.5	6.58	7.53	309	2000
	STT 559	04053	+2201	176.8	5.97	8.09	359	2003
	H 4 98	04155	+0611	64.5	6.38	7.01	317	2005
	STT A 49	04189	+0146	100.7	7.84	7.94	326	2006
	SHJ 40	04204	+2721	49.2	5.08	7.51	256	1999
	STF 534	04240	+2418	30.1	6.36	7.94	290	2006
	STF 541	04254	+2218	339.7	4.22	5.29	174	2002
	STF A 10	04287	+1552	336.7	3.41	3.94	348	2002
	ARN 36	04306	+1542	477.0	5.48	5.70	247	2002
	LDS 2246	04306	+1612	249.8	4.78	6.54	131	2002
	SHJ 45	04357	+1010	69.1	4.27	7.84	300	2003
	STT A 53	04374	+0034	78.0	7.55	7.57	353	2002
	STF A 11	04393	+1555	437.5	4.69	5.09	195	2002
	S 455	04422	+2257	63.0	4.24	7.02	214	1999
	S 461	05017	+2640	78.4	6.85	8.25	160	2000
	HJ 3275	05298	+1825	56.3	7.65	8.22	21	2002
	ARY 6	05460	+2119	123.4	7.90	8.11	160	2000
	STT A 66	05479	+2441	94.3	6.95	7.71	166	2001
	STT A 67	05484	+2052	75.1	6.01	8.29	162	2002
<i>Tel</i>								
	DUN 220	18222	-5534	31.2	8.07	8.45	177	1999
	DUN 224	18540	-4716	86.7	7.11	7.28	62	1998
	DUN 225	19124	-5148	70.1	7.24	8.36	250	1999
	HJ 5114	19278	-5420	75.1	5.85	8.24	238	1999
	DUN 229	19583	-5154	80.6	7.65	8.23	242	1999
<i>TrA</i>								
	RSS 29	16037	-6030	52.9	7.13	8.11	180	2000
<i>Tri</i>								
	AG 304	02358	+3441	142.2	5.57	6.75	16	2003
<i>Tuc</i>								
<i>Tuc</i>								

<i>constellation</i>	<i>WDS Id.</i>	<i>R.A.</i>	<i>Dec.</i>	<i>Sep.</i>	<i>Mag.1</i>	<i>Mag.2</i>	<i>P.Ang.</i>	<i>Year</i>
	HJ 3423	01158	-6853	319.5	5.00	7.85	310	1991
	DUN 247	23180	-6100	50.0	6.87	8.17	293	2002
<i>UMa</i>								
	ES 2631	09056	+5018	79.0	7.84	8.47	259	2002
	ARN 71	09207	+5116	231.1	6.19	7.88	49	2004
	S 598	09287	+4536	70.1	5.50	7.80	162	2005
	SMA 75	10435	+4612	288.4	5.21	7.35	88	2002
	BU 1077	11037	+6145	381.1	2.00	7.00	204	1991
	HZG 8	11045	+3814	150.1	6.04	7.56	83	2003
	S 621	11113	+6601	209.6	8.34	8.49	285	1999
	S 621	11113	+6601	169.7	8.31	8.49	313	1999
	S 621	11113	+6601	98.3	8.31	8.34	52	1999
	ENG 45	11118	+4250	135.3	7.24	8.30	248	2002
	STT A108	11125	+3549	152.9	7.21	7.5	68	1984
	STT A108	11125	+3549	156.5	6.48	7.32	67	2004
	STF 1543	11291	+3920	343.7	5.35	7.73	253	2005
	STF 1561	11387	+4507	704.2	6.53	7.56	76	1991
	STF 1579	11551	+4629	63.2	6.68	6.97	114	2002
	STT A114	12002	+3644	86.9	7.48	8.39	83	2005
	ARN 5	12021	+4303	373.3	5.24	8.47	26	2002
	FOR 1	12021	+4303	219.0	6.72	8.47	335	1991
	FOR 1	12021	+4303	278.5	5.24	6.72	62	2002
	STT A122	13136	+5643	120.5	6.88	8.11	215	2000
	STF 1744	13239	+5456	708.5	2.23	4.01	71	1991
	S 649	13288	+5956	181.7	5.46	8.19	111	2002
	STF 1831	14161	+5643	109.7	7.16	6.73	220	2003
<i>UMi</i>								
	STF 1972	15292	+8027	31.7	6.64	7.30	78	2000
<i>Vel</i>								
	DUN 65	08095	-4720	41.0	1.79	4.14	219	2002
	DUN 65	08095	-4720	60.8	4.14	7.26	113	2000
	DUN 65	08095	-4720	62.6	1.79	7.26	152	2000
	DUN 71	08306	-4031	63.6	7.01	7.66	51	1999
	DUN 72	08404	-4223	129.8	6.91	7.80	360	1999
	BSO 18	08424	-5307	76.1	4.79	5.45	311	1998
	DUN 73	08562	-5532	65.7	7.87	8.29	0	2000
	DUN 76	09286	-4530	60.5	7.11	7.56	99	1999
	DUN 77	09293	-4432	108.4	7.07	7.03	77	1999
	DUN 79	09336	-4945	140.4	7.46	7.62	33	1999
	DUN 83	10021	-5459	113.6	7.88	7.89	227	2000
	HJ 4282	10032	-5203	49.5	7.37	8.31	195	1999
	DUN 86	10312	-4214	83.4	7.34	8.04	292	1999
	DUN 95	10393	-5536	51.7	4.38	6.06	105	2000
<i>Vir</i>								
	STT A116	12019	+0006	72.6	7.81	8.49	178	2004
	SHJ 162	13149	-1122	107.6	7.11	8.18	46	2002

<i>constellation</i>	<i>WDS Id.</i>	<i>R.A.</i>	<i>Dec.</i>	<i>Sep.</i>	<i>Mag.1</i>	<i>Mag.2</i>	<i>P.Ang.</i>	<i>Year</i>
	STT A131	14538	-0024	83.0	7.47	8.14	215	2004
<i>Vol</i>								
	BSO 17	08198	-7131	64.7	5.31	5.59	58	2002
	BSO 17	08198	-7131	98.8	5.31	7.67	48	2002
	BSO 17	08198	-7131	36.7	5.59	7.67	32	2002
<i>Vul</i>								
	STF 2445	19046	+2320	145.2	7.25	8.46	108	2002
	STF 2523	19268	+2110	250.7	7.95	7.18	144	1991
	STF A 42	19287	+2440	424.5	4.61	5.93	30	2002
	STF 2560	19407	+2343	118.5	6.64	8.25	66	2002
	STF A 48	19534	+2020	42.9	7.14	7.34	148	2005
	AC 16	19579	+2715	92.8	7.59	7.97	138	2003
	WAL 131	20183	+2539	122.5	6.96	8.13	153	2002
	ARY 47	20327	+2903	126.2	8.24	8.32	107	2003
	ARY 29	20413	+2922	116.7	8.10	8.46	143	2002
	BU 673	20419	+2043	102.7	7.46	8.07	165	2002
	BU 69	21026	+2141	74.1	8.35	8.02	242	2004