

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
00014+3937	HLD 60	17178	2006.012	R	20	1.275	0.008	170.4*	0.3	1	
00022+2705	BU 733AB	17175	2006.012	R	20	0.823	0.014	244.2*	0.7	1	
00022+2705	BU 733	17175	2004.952	R	20	0.799	0.024	53.1!	0.7	1	
00028+0208	BU 281AB	9	2006.012	R	20	1.562	0.008	162.9*	0.3	0	
00029+4715	A 800	10	2005.029	R	20	1.623	0.008	292.8*	0.3	0	
00029+4715	A 800	10	2007.967	W	20	1.584	0.010	113.3*	0.9	0	
00039+2759	A 429AB	24	2006.017	R	20	0.551	0.008	332.5	1.1	0	DSF
00047+3416	STF 3056	32	2004.955	R	20	0.722	0.016	143.3!	1.1	0	
00047+3416	STF3056AB	32	2006.017	R	10	0.719	0.009	142.6*	0.3	0	
00048+4358	A 203	39	2006.020	R	20	1.903	0.010	347.4*	0.3	0	
00049+4540	BU 997	41	2006.020	R	20	3.946	0.020	337.0*	0.3	0	
00049+5832	STF3057	36	2006.028	R	20	3.850	0.019	297.8*	0.3	0	
00059+1805	STF3060AB	60	2006.055	R	20	3.398	0.017	132.5*	0.3	0	Diffuse
00063+5826	STF 3062	61	2004.881	R	20	1.510	0.011	157.9*	0.5	1	
00063+5826	STF3062	61	2006.028	R	20	1.509	0.008	339.6*	0.3	1	
00093+7943	STF 2	102	2007.969	R	20	0.825	0.008	18.0*	0.3	1	
00093+7943	STF 2	102	2005.897	R	20	0.804	0.012	18.7	1.2	1	
"	"	"	2005.935	R	20	0.824	0.011	18.4	1.0	1	
00093+7943	STF 2	102	2004.944	R	10	0.814	0.004	18.4!	0.5	1	
00116+5558	STF 7	143	2007.967	R	20	1.311	0.024	211.4	0.6	0	
00116+5558	STF 7	143	2005.897	R	20	1.307	0.018	210.5	1.0	0	
"	"	"	2005.935	R	20	1.318	0.013	210.7	0.7	0	
00118+2825	BU 255	147	2006.036	R	20	0.492	0.013	69.2*	0.5	0	
00118+6608	STT 1	145	2006.039	R	20	1.553	0.018	211.7*	0.3	0	
00134+2659	STT 2AB	161	2006.012	R	10	0.404	0.003	164.5*	0.3	1	
00134+2659	STT 2	161	2004.950	R	10	0.401	0.003	344.3*	1.1	1	
00134+2659	STT 2AB	161	2007.036	R	10	0.400	0.004	161.9*	0.5	1	
00134+2659	STT 2 AB	161	2005.032	R	10	0.400	0.003	164.8*	0.6	1	
00137+0635	BU 998	167	2006.017	R	20	1.291	0.026	107.6	0.5	0	
00162+7657	STF 13	207	2006.025	R	20	0.949	0.008	50.6	0.5	1	
00162+7657	STF 13	207	2004.972	R	20	0.960	0.008	51.2*	0.3	1	
00167+3638	STF 19	220	2006.036	R	20	2.327	0.012	139.7*	0.3	0	
00174+0853	STF 22 AB-C	238	2005.029	R	20	4.013	0.020	234.5*	0.3	0	
00192+5942	KR 4	263	2006.028	R	20	2.235	0.011	180.9*	0.3	0	
00205+4531	A 647	277	2006.036	R	20	0.685	0.017	106.4*	0.9	1	
00206+1219	BU 1015	281	2006.017	R	20	0.460	0.011	98.6*	1.2	1	
00209+1059	BU 1093	287	2005.029	R	20	0.761	0.011	115.1*	0.9	0	
00209+1059	BU1093	287	2008.051	R	20	0.709	0.020	113.1*	0.6	0	
00209+3259	AC 1	285	2004.944	R	20	1.851	0.010	108.2*	0.3	0	
00209+3259	AC 1	285	2006.017	R	20	1.842	0.009	287.9*	0.3	0	
00210+6740	HJ 1018	283	2005.029	R	20	1.692	0.016	86.9*	0.4	1	
00210+6740	HJ 1018	283	2006.025	R	20	1.697	0.009	87.2	0.3	1	
00214+6700	STT 6AB	293	2007.969	R	20	0.653	0.008	154.4*	0.6	1	
00214+6700	STT 6 AB	293	2005.029	R	20	0.648	0.009	153.8*	0.8	1	
00226+5417	A 907	304	2006.036	R	20	0.807	0.013	212.2	1.7	0	
00287+3718	A 1504AB	382	2007.972	R	20	0.593	0.008	42.9	1.0	0	
00308+4732	BU 394	416	2006.028	R	20	0.475	0.011	93.4*	0.3	1	
"	"	"	2006.028	R	10	0.480	0.003	274.5	0.3	1	
00310+3406	STF 33	421	2006.031	R	20	2.808	0.016	212.6	0.3	0	
00310+3406	STF 33	421	2005.029	R	20	2.805	0.014	212.6	0.3	0	
00318+5431	STT 12	434	2004.052	B	10	—	—	—	—	1	DF, HFN
"	"	"	2004.052	V	10	0.336	0.006	198.2!	1.8	1	CF, HFN
"	"	"	2004.052	R	10	0.342	0.007	199.5!	1.6	1	CF, HFN
00318+5431	STT 12	434	2006.036	R	10	0.313	0.003	202.7	0.8	1	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
00318+5431	STT 12	434	2005.900	R	10	0.309	0.004	201.8	0.7	1	
"	"	"	2005.900	B	10	0.317	0.007	201.7	0.7	1	
00318+5431	STT 12	434	2005.034	R	10	0.324	0.003	200.8	0.4	1	
00334+4739	A 911	461	2006.039	R	20	0.649	0.008	315.2	0.5	0	
00352-0336	HO 212 AB	490	2005.032	R	10	0.281	0.004	268.8*	0.3	1	Diffuse
00366+5609	A 914	504	2007.969	R	20	0.440	0.008	22.6	1.0	1	
00366+5609	A 914	504	2005.034	R	20	0.484	0.010	25.2*	0.7	0	
00373+5801	BU 1097	515	2005.034	R	10	0.506	0.004	72.8	0.3	0	
00373+5801	BU 1097	515	2007.969	R	20	0.510	0.009	72.5*	0.5	0	
00376+2240	HU 411	524	2006.039	R	20	0.686	0.014	107.8	0.7	0	
00402+4715	BU 257	559	2006.031	R	20	0.657	0.008	248.8*	0.4	0	
00416+2438	WRH 28	—	2005.886	R	10	0.066	0.012	302.1	6.5	1	
00442+4614	STF 52	616	2006.053	R	20	1.385	0.008	4.1	0.3	0	
00442+4614	STF 52	616	2004.955	R	20	1.396	0.012	4.0*	0.5	0	
00444+3337	STF 55	618	2005.900	R	20	2.220	0.011	329.8*	0.3	0	
00444+3337	STF 55	618	2007.969	W	20	2.212	0.011	329.7*	0.3	0	
00452+5333	HLD 3	626	2006.039	R	20	2.985	0.017	51.3*	0.3	0	
00455+4324	BU 865AB	627	2006.031	R	20	1.267	0.014	192.5	0.4	0	
00480+5127	STF 59AB	659	2007.969	W	20	2.251	0.013	148.0*	0.3	0	
00480+5127	STF 59AB	659	2005.886	R	20	2.250	0.015	147.8*	0.4	0	
00499+2743	STF 61	683	2006.031	R	20	4.291	0.021	115.2*	0.3	0	
00504+5038	BU 232 AB	684	2005.034	R	20	0.895	0.013	248.4*	0.7	1	
00504+5038	BU 232AB	684	2006.025	R	20	0.892	0.008	249.6	0.3	1	
00527+6852	STF 65	710	2005.886	R	20	3.153	0.016	39.6*	0.3	0	
00546+1911	STT 20AB	746	2006.012	R	10	0.547	0.003	186.3*	0.4	1	
00546+1911	STT 20	746	2004.952	R	10	0.545	0.003	187.4*	0.4	1	
00550+2338	STF 73AB	755	2007.972	R	20	1.011	0.008	319.8*	0.6	1	
00550+2338	STF 73	755	2004.944	R	20	0.956	0.014	136.2*	0.7	1	
"	"	"	2004.944	R	10	0.971	0.005	136.3*	0.3	1	
00550+2338	STF 73AB	755	2005.886	R	20	0.969	0.013	317.4*	0.3	1	
00550+2338	STF 73AB	755	2006.012	R	10	0.979	0.005	317.4*	0.3	1	
00551+2811	A 437AB	758	2006.066	R	20	2.980	0.015	29.0	0.3	0	
00554+3040	BU 500	768	2006.017	R	20	0.496	0.017	120.9*	1.5	0	
00554+3040	BU 500	768	2004.950	R	20	0.515	0.015	122.0!	2.0	0	
00568+6022	BU 1099	784	2004.952	R	10	0.270	0.007	356.8*	2.1	1	
00568+6022	BU 1099AB	784	2007.090	R	10	0.263	0.003	2.0*	1.0	1	
00583+2124	BU 302	805	2007.085	R	10	0.323	0.003	202.8	0.7	1	
01006+4719	MAD 1	829	2005.029	R	20	0.795	0.014	2.7*	1.0	0	
01006+4719	MAD 1	829	2007.090	R	20	0.789	0.008	2.3*	0.4	0	
01007+0929	STF82	835	2008.939	W	20	1.813	0.009	303.8*	0.3	0	
01014+1155	BU 867	828	2006.066	R	20	0.631	0.008	355.9	0.6	1	
01015+6922	A 2901	836	2004.952	R	10	0.439	0.004	58.3!	0.6	1	
01015+6922	A 2901	836	2006.026	R	10	0.440	0.004	59.7	0.8	1	
01030+4723	STT 21	862	2004.972	R	20	1.195	0.008	354.7*	0.8	1	
01030+4723	STT21	862	2008.939	R	20	1.197	0.010	175.3*	0.3	1	
01030+4723	STT 21	862	2006.025	R	20	1.203	0.008	174.7*	0.3	1	
01036+6104	BU 396	868	2007.085	R	20	1.303	0.008	66.8*	0.3	0	
01037+5026	HU 517AB	871	2006.067	R	20	0.553	0.008	27.4	1.1	0	
01041+2635	COU 351	—	2007.972	W	20	0.797	0.014	243.7	0.4	0	
01089+4512	AC 13 AB	936	2005.034	R	20	0.615	0.013	263.7	0.4	0	
01089+4512	AC 13AB	936	2007.964	W	20	0.595	0.009	263.3*	0.9	0	
01095+4715	STT 515AB	940	2006.028	R	10	0.506	0.003	121.8*	0.3	1	
01095+4715	STT 515AB	940	2007.036	R	10	0.505	0.003	121.1*	0.3	1	
01095+4715	STT 515	940	2004.082	V	10	0.512	0.006	243.3*	0.7	1	
"	"	"	2004.079	V	10	0.514	0.006	302.1*	0.5	1	CF

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
01095+4715	STT 515	940	2004.972	R	10	0.504	0.004	302.5*	0.6	1	
01097+2348	BU 303	955	2004.950	R	10	0.628	0.004	112.4!	0.3	0	
01097+2348	BU303	955	2008.939	R	20	0.610	0.011	291.1	0.8	0	
01097+2348	BU 303	955	2006.031	R	10	0.629	0.005	292.0	0.4	0	
01106+4917	COU2156	—	2008.939	R	20	0.479	0.015	164.5*	0.6	0	NF
01106+5101	BU 235Aa	963	2007.057	R	20	0.839	0.019	135.1*	0.8	1	
01106+5101	BU 235Aa	963	2005.032	R	20	0.873	0.011	134.5*	0.7	1	
01112+3743	HO 215	—	2006.039	V	10	0.094	0.004	225.4	2.3	0	NF
01119+4748	BU 398	978	2006.053	R	20	1.848	0.010	43.9	0.3	0	
01127+6501	STF 96	983	2005.032	R	20	0.919	0.012	286.3	0.7	0	
01132+6142	BU 258AB	987	2007.058	R	20	1.529	0.008	262.1*	0.8	0	
01191+8052	STT 28AB	1030	2006.056	R	20	0.854	0.008	285.9*	0.4	0	
01198-0031	STF 113A-BC	1081	2007.082	R	20	1.626	0.010	18.8*	0.3	0	
01213+1132	BU 4AB	1097	2005.900	R	20	0.555	0.030	108.2*	1.6	1	
01213+1132	BU 4AB	1097	2007.964	R	20	0.594	0.016	107.7*	1.0	1	
01283+4247	AC 14	1161	2006.954	R	20	0.768	0.019	92.1*	0.5	0	
01311+4337	ES 4	1192	2007.082	R	20	2.798	0.014	99.0*	0.3	0	
01356+7227	A 816	1226	2006.026	R	20	0.876	0.008	128.2*	0.3	0	
01356+7227	A 816	1226	2005.032	R	20	0.867	0.008	127.6*	0.4	0	
01360+0739	STF 138 AB	1254	2005.103	R	20	1.727	0.010	57.8*	0.3	0	
01360+0739	STF 138AB	1254	2007.972	R	20	1.717	0.012	58.2*	0.3	0	
01401+3858	STF 141	1305	2006.031	R	20	1.677	0.008	302.6	0.3	0	
01401+3858	STF 141	1305	2004.972	R	20	1.660	0.013	122.5!	0.3	0	
01424-0645	A 1	1345	2006.091	R	20	0.825	0.008	250.2	0.7	1	Elongated
01437+0934	BU 509	1360	2006.094	R	20	0.656	0.008	53.0	0.5	1	
01443+5732	BU 870AB	1359	2005.032	R	10	0.644	0.003	339.9*	0.4	1	
01445+3957	STF 149	1368	2007.096	R	20	1.492	0.008	82.8*	0.4	0	
01467+3310	STF 158AB	1406	2007.096	R	20	2.165	0.026	269.0*	0.3	0	
01493+4754	STF 162Aa-B	1438	2006.039	R	20	1.915	0.018	200.3*	0.3	0	
01493+4754	STF 162	1438	2004.972	R	20	1.909	0.010	200.3*	0.3	0	
01499+8053	STT 34	1411	2005.900	R	10	0.509	0.010	106.9	1.1	1	
"	"	"	2005.900	R	20	0.487	0.013	105.5	0.6	1	
01501+2217	STF 174	1457	2005.103	R	20	2.877	0.014	164.2*	0.3	0	Elongated
01501+2217	STF 174	1457	2007.964	R	20	2.841	0.041	164.6*	0.3	0	
01520+1049	STF 178	1487	2005.103	R	20	3.051	0.015	204.1	0.3	0	
01532+1526	BU 260	1503	2007.058	W	20	1.110	0.013	256.5*	0.8	1	
01532+3719	STF 179	1500	2005.111	R	20	3.489	0.017	160.3*	0.3	0	
01546+5956	A 953	1509	2006.037	R	20	0.819	0.012	63.2	0.9	0	
01554+7613	STF 170	1504	2005.900	R	20	3.164	0.016	242.7	0.3	0	
"	"	"	2005.900	W	20	3.136	0.017	242.7*	0.3	0	
01557+3620	HU 1033	1529	2007.090	W	20	1.216	0.008	217.2*	0.8	0	
01559+0151	STF 186	1538	2006.031	R	10	0.926	0.005	244.6	0.8	1	
01559+0151	STF 186	1538	2004.950	R	10	0.939	0.005	243.9*	0.3	1	
01559+0151	STF 186	1538	2004.101	V	10	0.948	0.007	243.5!	0.3	1	HFN, elongated
"	"	"	2004.112	V	10	0.962	0.008	242.6!	0.4	1	HFN, elongated.
01564+6116	STF 182 AB	1531	2005.111	R	20	3.562	0.022	123.7	0.3	0	
01564+6116	STF 182AB	1531	2006.026	R	20	3.572	0.018	123.6	0.3	0	
01593+2450	STF 194	1579	2006.037	R	20	1.253	0.011	278.2	0.3	0	
02020+0246	STF 202	1615	2004.950	V	20	1.838	0.014	89.6!	0.3	1	
02020+0246	STF 202AB	1615	2007.036	R	20	1.829	0.013	268.4*	0.4	1	
02020+0246	STF 202	1615	2004.101	V	20	1.834	0.009	90.4!	0.4	1	VCF, very nice
"	"	"	2004.112	V	20	1.842	0.013	90.5!	0.4	1	VCF, very nice.
02020+0246	STF202	1615	2008.939	R	20	1.824	0.009	267.0*	0.3	1	
02020+0246	STF 202AB	1615	2006.012	V	20	1.857	0.009	269.1*	0.3	1	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
02020+0246	STF 202 AB	1615	2005.029	R	20	1.839	0.014	269.8*	0.3	1	
02020+7054	BU 513AB	1598	2007.091	R	10	0.707	0.004	286.8*	0.7	1	
02020+7054	BU 513 AB	1598	2005.032	R	10	0.751	0.004	278.4*	0.3	1	
02022+7530	STF 185 AB	1588	2005.111	R	20	1.092	0.008	9.9*	0.8	0	
02037+2556	STF 208AB	1631	2006.037	R	20	1.246	0.014	338.7*	0.4	1	
02037+2556	STF 208	1631	2004.944	R	20	1.229	0.015	158.2*	0.8	1	
02039+4220	STT 38	1630	2004.955	V	10	0.377	0.004	281.1*	0.5	1	
02039+4220	STT 38BC	1630	2007.082	R	10	0.314	0.003	100.7*	0.5	1	
02062+2507	STF 212	1654	2007.085	R	20	1.933	0.010	162.1*	0.3	0	
02091+5104	STF 213AB	1670	2007.096	W	20	1.864	0.009	325.4*	0.6	0	
02124+3018	STF 227	1697	2005.103	R	20	3.958	0.020	68.9*	0.3	0	
02140+4729	STF 228	1709	2006.026	R	10	0.908	0.005	287.9*	0.3	1	
02140+4729	STF 228	1709	2004.082	V	10	0.945	0.005	105.5*	0.3	1	
"	"	"	2004.093	V	10	0.948	0.005	105.7*	0.3	1	HFN
02140+4729	STF 228	1709	2004.972	R	10	0.919	0.006	106.5*	0.3	1	
02157+2503	COU 79	—	2006.053	R	10	0.182	0.003	254.1	1.1	1	
02157+2503	COU 79	—	2004.972	V	10	0.164	0.019	81.9!	2.8	1	Fuzzy
02157+2503	COU 79	—	2004.972	V	10	0.144	0.003	265.4	1.1	1	Fuzzy R=0.165 SR=0.019 T=2
02174+6121	STF 234AB	1737	2007.085	R	20	0.733	0.011	224.5	1.3	1	
02211+2956	A 962	1792	2007.964	W	20	0.863	0.008	66.6*	0.3	0	
02231+7021	MLR 377	—	2005.111	R	20	0.656	0.009	142.0	0.7	1	
02270+3117	HO 216	1851	2007.110	R	20	1.337	0.019	3.1*	1.0	0	
02291+6724	STF 262Aa-B	1860	2005.900	R	20	2.780	0.014	230.0*	0.3	1	
02291+6724	STF 262Aa-C	1860	2005.900	R	20	7.339	0.037	115.5*	0.3	0	
02294+5532	STF 268	1878	2005.111	R	20	2.819	0.020	130.2*	0.3	0	
02309+5311	HJ 2139AB	1903	2006.037	R	20	3.804	0.019	297.8	0.3	0	
02331+5828	STF 272	1933	2005.111	R	20	1.938	0.011	36.7*	0.4	0	
02388+3325	STF 285	2004	2006.017	R	20	1.701	0.009	163.1*	0.3	0	
02388+3325	STF 285	2004	2005.108	R	20	1.709	0.009	163.1*	0.5	0	
02389+6918	STF 278	1985	2006.056	R	20	0.505	0.008	28.5	0.7	0	
02405+6129	STF 283AB	2014	2007.085	R	20	1.789	0.012	208.8*	0.4	0	
02407+2637	STT 43	2034	2007.085	R	20	0.710	0.016	351.3	1.2	1	
02411+1848	STF 291 AB	2042	2005.108	R	20	3.394	0.017	117.0*	0.3	0	
02422+4242	STT 44AB	2052	2007.129	R	20	1.370	0.021	51.1*	0.8	0	
"	"	"	2007.145	R	20	1.397	0.008	55.1*	0.6	0	
02446+2928	STF 300	2091	2006.094	R	20	3.151	0.016	314.1*	0.3	0	
02446+2928	STF 300	2091	2005.108	R	20	3.146	0.016	314.1*	0.3	0	
02470+5007	ARG 9	2112	2006.026	R	20	2.604	0.013	149.9	0.3	0	
02471+3533	BU 9 AB	2117	2005.108	R	20	1.048	0.011	207.1*	0.8	0	
02475+1922	STF 305 AB	2122	2005.133	R	20	3.635	0.018	307.4*	0.3	1	
02475+1922	STF 305AB	2122	2006.012	R	20	3.614	0.018	307.2*	0.3	1	
02493+1728	STF 311 AB	2151	2005.133	R	20	3.279	0.016	118.1*	0.3	0	
02511+6025	STF 306AB	2161	2007.145	R	20	2.133	0.029	91.9*	0.3	0	
02527+0628	STF 323	2193	2005.136	R	20	2.760	0.015	277.6*	0.3	0	
02529+5300	STF 314 AB-C	2185	2005.111	R	20	1.559	0.022	313.1*	0.5	0	
02529+5300	STF 314AB-C	2185	2006.026	R	20	1.579	0.008	313.2*	0.3	0	
02537+3820	BU 524 AB	2200	2005.103	R	10	0.215	0.010	337.6*	1.3	1	Elongated with a halo
02537+3820	BU 524	2200	2004.095	V	10	—	—	—	—	1	NF, elongated (Risley ?)
"	"	"	2004.101	V	10	0.220	0.029	163.0!	3.6	1	DF, HFN
02537+3820	BU 524AB	2200	2004.101	V	10	0.187	0.003	340.4	0.5	1	R=0.220 SR=0.029 T=343.0 S
"	"	"	2005.103	R	10	0.216	0.003	338.6*	1.5	1	Elongated with halo 2005.103 F
02563+7253	STF 312AB	2204	2006.039	R	20	1.912	0.010	43.1*	0.3	0	
02589+2137	BU 525	2253	2006.031	R	10	0.560	0.006	87.4	0.5	1	
02589+2137	BU 525	2253	2004.095	V	10	—	—	—	—	1	elongated (Risley)

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
02589+2137	BU 525	2253	2004.955	R	10	0.543	0.005	88.9!	0.3	1	
02592+2120	STF 333 AB	2257	2005.103	R	20	1.426	0.010	209.2*	0.3	0	
02594+0639	STF 334	2261	2005.136	R	20	1.138	0.017	308.4*	0.8	0	
03051+2755	STF 342	2331	2007.091	R	20	3.199	0.016	302.4*	0.8	0	
"	"	"	2007.091	W	20	3.255	0.016	302.7*	0.3	0	
03054+2515	STF 346 AB	2336	2005.103	R	10	0.381	0.004	252.2	0.3	1	
03054+2515	STF 346AB	2336	2006.067	R	10	0.388	0.003	252.8	0.5	1	
03054+2515	STF 346	2336	2004.093	V	10	0.385	0.009	251.8!	1.5	1	HFN, AC too noisy
"	"	"	2004.098	V	10	0.393	0.005	251.7!	1.2	1	noisy, HFn
"	"	"	2004.101	V	10	0.393	0.009	251.7!	0.9	1	HFN, PS patched
03058+4342	BU 1175	2334	2007.082	R	20	0.655	0.009	273.1	1.4	0	
03122+3713	STF 360	2390	2005.111	R	20	2.805	0.014	125.3*	0.3	1	
03122+3713	STF 360	2390	2006.017	R	20	2.819	0.014	125.4*	0.3	1	
03127+7133	STT 50 AB	2377	2005.032	R	20	1.041	0.009	153.2	0.4	1	
03130+4417	STT 51	2397	2007.082	R	20	0.685	0.011	336.9	0.5	0	
03140+0044	STF 367	2416	2004.972	R	20	1.172	0.008	314.3*	0.3	1	
03140+0044	STF 367	2416	2006.037	R	20	1.189	0.019	134.5	0.3	1	
03158+5057	HU 544	2425	2007.082	R	20	1.559	0.008	101.3*	0.9	0	
03171+4029	STF 369	2443	2005.133	R	20	3.624	0.018	29.4*	0.3	0	
03175+6540	STT 52	2436	2004.082	V	10	0.494	0.004	240.5!	0.6	1	
"	"	"	2004.093	V	10	0.497	0.008	241.0!	0.7	1	HFN
03175+6540	STT 52AB	2436	2006.039	R	10	0.491	0.003	59.6	0.7	1	
03177+3838	STT 53	2446	2006.017	R	20	0.707	0.008	244.0	0.6	1	
03177+3838	STT 53	2446	2005.108	R	20	0.716	0.008	244.4*	0.3	1	
03184-0056	AC 2	2459	2004.972	R	20	1.206	0.016	76.0*	0.3	1	
03196+6714	HU 1056	2452	2006.039	R	20	1.113	0.019	260.9	0.3	0	
03206+1911	STF 377AB	2478	2006.053	R	20	1.166	0.011	110.5	0.7	0	
03212+2109	COU 259	—	2005.136	R	20	0.876	0.014	219.7*	0.9	0	
03233+2058	STF 381	2504	2006.012	R	20	1.062	0.008	107.0*	0.3	0	
03250+4013	HU 1058	2518	2007.085	R	20	0.829	0.010	113.4*	0.5	0	
03285+5954	STF 384AB	2540	2007.085	R	20	1.949	0.010	271.8*	0.3	0	
03287+5026	STF 388	2548	2007.145	R	20	2.764	0.024	213.5*	0.8	0	
03291+5956	STF 385	2544	2006.053	R	20	2.316	0.012	162.2*	0.3	0	
03293+4503	STF 391	2559	2005.111	R	20	3.921	0.020	95.2*	0.3	0	Perturbed spectrum
03293+4503	STF 391	2559	2006.018	R	20	3.936	0.020	95.3	0.3	0	DSF
03294+4931	BU 1179	2558	2007.145	R	20	0.608	0.018	145.8*	0.9	0	
03302+5922	STF 389Aa-B	2563	2006.031	R	20	2.625	0.013	71.4*	0.4	0	
03312+1947	STF 403	2584	2007.145	R	20	2.293	0.017	172.8*	0.3	0	
03344+2428	STF 412	2616	2004.950	R	10	0.710	0.004	175.3!	0.3	1	
"	"	"	2004.717	V	20	0.693	0.010	152.9!	1.1	1	
"	"	"	2004.947	R	20	0.777	0.015	112.5*	0.7	1	
03344+2428	STF 412AB	2616	2006.012	R	10	0.715	0.004	355.1	0.4	1	
"	"	"	2006.053	R	10	0.715	0.004	355.2	0.3	1	
"	"	"	2006.094	R	10	0.719	0.004	354.8	0.3	1	
03344+2428	STF 412 AB	2616	2005.029	R	10	0.711	0.004	355.4	0.3	1	
"	"	"	2005.103	R	10	0.713	0.004	355.4	0.3	1	
"	"	"	2005.108	R	10	0.713	0.004	355.4	0.3	1	
03344+2428	STF 412AB	2616	2005.900	R	10	0.721	0.006	355.2	0.6	1	
03344+2428	STF 412AB	2616	2007.082	R	10	0.720	0.004	354.8	0.3	1	
"	"	"	2007.091	R	10	0.720	0.004	355.0	0.3	1	
"	"	"	2007.110	R	10	0.705	0.004	353.9	0.6	1	
03344+2428	STF412	2616	2008.939	R	10	0.719	0.005	353.4	0.6	1	
03344+2428	STF 412	2616	2004.093	V	10	0.713	0.005	175.6!	0.6	1	HFN, AC too noisy
"	"	"	2004.095	V	10	0.716	0.008	175.1!	0.6	1	HFN, AC too noisy
"	"	"	2004.027	R	10	0.705	0.005	175.6!	0.4	1	CF, horiz. PS patched
"	"	"	2004.027	V	10	0.705	0.004	175.5!	0.6	1	CF, PS patched
"	"	"	2004.101	V	10	0.718	0.004	175.9!	0.3	1	HFN
"	"	"	2004.112	V	10	0.713	0.007	175.9!	0.7	1	CF, very nice.

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
03350+6002	STF 400	2612	2004.955	R	20	1.526	0.012	265.1*	0.4	1	
03350+6002	STF 400AB	2612	2006.031	R	20	1.539	0.009	265.5*	0.4	1	
03354+3341	STF 413	2625	2006.053	R	20	2.387	0.012	123.8	0.4	0	
03356+3141	BU 533	2628	2005.103	R	20	1.072	0.008	221.5*	0.3	0	
03356+3141	BU 533	2628	2006.067	R	20	1.070	0.008	221.9*	0.3	0	
03356+3141	BU 533	2628	2006.012	R	20	1.068	0.008	221.3*	0.3	0	
03362+4220	A 1535	2630	2007.082	W	20	0.716	0.008	339.3*	0.9	1	
03401+3407	STF 425	2668	2006.012	R	20	1.960	0.010	63.0	0.3	0	
03401+3407	STF 425	2668	2005.133	R	20	1.988	0.011	63.4*	0.3	0	
03407+4601	STT 59	2669	2006.053	R	20	2.787	0.014	355.3*	0.3	0	
03427+6950	STF 419AB	2678	2006.039	R	20	2.961	0.015	72.6*	0.3	0	
03443+3217	BU 535	2726	2005.136	R	20	1.055	0.011	23.7*	1.1	0	
03454+4952	HU 103AB	2736	2006.053	R	20	1.161	0.011	202.4	0.3	0	
03466+2728	COU 694	—	2007.091	W	20	2.485	0.012	134.5*	0.3	0	
03490+1459	HO 324	2787	2007.096	R	20	1.119	0.011	329.6	0.4	0	
03503+2241	STF 457AB	2801	2007.156	W	20	0.830	0.012	89.6*	0.3	0	
03520+0632	KUI 15 Aa?	—	2005.136	R	10	0.195	0.013	129.8*	1.0	0	New system
03520+0632	KUI 15	—	2005.136	R	10	0.765	0.007	207.1*	0.4	0	
03520+0632	KUI 15Aa	—	2005.136	R	10	0.210	0.008	124.7*	1.9	0	New system R=0.195 SR=0.013 T
03521+4048	STT 66	2815	2006.056	R	20	0.983	0.011	145.6	0.3	0	
03565+3311	BU 263	2873	2007.156	W	20	0.686	0.017	105.1*	0.6	0	
03571+6107	STT 67	2867	2006.056	R	20	1.715	0.009	49.0*	0.3	0	
04041+3931	STF 483	2959	2006.067	R	20	1.398	0.008	57.8*	0.4	1	
04059+1058	STF 491	2981	2007.096	W	20	2.849	0.023	96.7*	0.3	0	
04064+4325	A 1710	2980	2005.133	R	20	0.622	0.008	135.5*	0.7	1	
04069+3327	STT 71AB	2990	2006.067	R	20	0.773	0.008	229.3	0.5	0	
04076+3804	STT 531AB	2995	2006.094	R	20	2.422	0.032	357.3*	0.3	1	
04077+1510	STF 495	2999	2005.169	R	20	3.688	0.018	222.4*	0.3	0	
04091+2839	HO 326	3021	2007.096	R	20	0.333	0.043	286.4	2.2	1	Dubious
04100+8042	STF 460	2963	2006.067	R	10	0.751	0.005	137.2	0.3	1	Elongated
04115+4152	BU 546	3038	2006.094	R	20	0.922	0.014	227.5	0.6	0	
04123+0939	STT 74	3053	2007.096	R	20	0.232	0.008	110.8	1.5	1	Dubious
04139+0916	BU 547 AB	3072	2005.136	R	20	1.266	0.024	341.5*	0.5	0	
04140+4235	A 1711	3062	2007.156	R	20	0.680	0.018	78.1	1.0	0	
04159+3142	STT 77 AB	3082	2005.133	R	20	0.589	0.008	288.8	0.7	1	
04159+3142	STT 77AB	3082	2007.091	R	20	0.554	0.010	291.3	0.7	1	DF
04159+3142	?	3082	2007.091	R	20	2.216	0.011	97.5*	0.9	0	New component?
04179+5847	STF 511	3098	2007.159	R	20	0.498	0.010	81.5	1.9	1	
04182+2248	STF 520	3114	2006.056	R	20	0.559	0.008	74.9	0.5	1	
04218+5002	STF 521	3141	2007.159	R	20	2.018	0.010	256.8*	0.8	0	
04224+2049	BU 87	3158	2007.195	R	20	1.909	0.010	167.7*	0.3	0	
04227+1503	STT 82 AB	3169	2005.035	R	20	1.284	0.008	338.6*	0.3	1	
04227+1503	STT 82AB	3169	2007.195	R	20	1.263	0.008	336.8*	0.3	1	
04233+1123	STF 535	3174	2005.035	R	20	1.142	0.008	276.9*	0.3	1	
04239+0928	HU 304	3182	2004.082	V	10	0.222	0.006	9.0	1.1	1	R=0.209 SR=0.014 T=7.9 ST=0.9
04239+0928	HU 304	3182	2007.200	R	10	0.243	0.004	16.0*	0.5	1	
04239+0928	HU 304	3182	2005.103	R	10	0.232	0.008	12.6	0.9	1	
04239+0928	HU 304	3182	2004.095	V	10	0.210	0.014	187.7!	1.3	1	AC diffuse,
"	"	"	2004.082	V	10	—	—	—	—	1	DF, HFN
04254+5623	A 834AB	3184	2007.203	R	20	0.712	0.014	221.1*	1.0	0	
04255+1756	KUI 17 AB	3206	2005.169	R	20	1.757	0.010	340.9*	0.6	0	
04268+5539	STF 531	3207	2006.094	R	20	0.961	0.008	321.6*	0.3	0	
04290+1610	HU 1080	3248	2007.145	R	10	0.216	0.008	79.1*	1.1	1	
04301+1538	STF 554	3264	2005.035	R	20	1.594	0.011	17.7*	0.3	1	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
04316+3739	BU 789	3275	2007.203	R	20	0.914	0.011	322.0*	0.9	0	
04335+1801	STF 559	3297	2005.169	R	20	3.065	0.015	276.4*	0.3	0	
04347+1130	A 2034	3314	2007.200	R	20	0.584	0.017	235.4	1.8	0	
04357+3944	HU 1084	3315	2007.096	R	20	0.236	0.009	77.1	1.9	0	Dubious
04366+1946	STT 86	3329	2007.096	R	20	0.482	0.008	358.8	0.9	0	
04367+1930	STF 567	3330	2007.096	R	20	2.069	0.011	342.4*	0.3	1	
"	"	"	2007.096	W	20	2.011	0.010	342.6*	0.3	1	
04381+4207	STF 565AB	3338	2006.094	R	20	1.330	0.008	167.0*	0.3	0	
04385+2656	STF 572AB	3353	2006.094	R	20	4.280	0.021	189.7	0.3	0	DSF
04400+5328	BU 1295AB	3358	2007.091	R	10	0.235	0.010	146.3*	0.9	1	DF
"	"	"	2007.197	R	10	0.235	0.006	147.8*	1.1	1	DF, elongated
04400+5328	STF 566AB-C	3358	2007.091	R	10	0.753	0.009	180.0*	0.6	1	DF
"	"	"	2007.197	R	10	0.764	0.014	178.8*	0.3	1	DF, elongated
04422+3731	STF 577	3390	2007.167	R	20	0.783	0.031	348.7	1.1	1	
04422+3731	STF 577	3390	2005.169	R	20	0.770	0.011	350.8	0.9	1	
04433+5931	A 1013	3391	2007.192	R	10	0.346	0.003	290.9	1.1	1	
04478+5318	HU 612	3434	2007.197	R	10	0.696	0.003	357.5*	0.3	1	
04518+1339	BU 552AB	3483	2007.189	R	20	0.664	0.014	249.0*	3.8	1	
04549+0836	STT 90AB	3517	2007.197	R	20	1.760	0.017	339.5*	0.3	0	
04573+6145	STT 88	3526	2007.156	R	20	0.757	0.010	306.7*	1.1	0	
04574+4204	COU1716	—	2007.195	W	20	0.698	0.008	152.2	0.9	0	
04581+0141	STF 622	3568	2007.206	R	20	2.520	0.027	163.5	0.3	0	
05003+3924	STT 92AB	3589	2007.192	R	20	4.094	0.020	281.5*	0.3	1	NF
05005+0506	STT 93	3596	2007.192	R	20	1.540	0.008	244.3*	0.8	1	
05055+1948	STT 95	3672	2005.169	R	20	0.923	0.011	298.2*	0.3	1	
05055+1948	STT 95	3672	2007.225	R	20	0.933	0.008	296.9*	0.5	1	
05079+0830	STT 98	3711	2005.103	R	20	0.808	0.014	308.8*	0.6	1	
05079+0830	STT 98	3711	2007.167	R	20	0.792	0.011	303.4*	0.3	1	
05079+5459	STF 635	3689	2006.094	R	20	0.980	0.015	303.1	0.6	0	
05103+3718	STF 644 AB	3734	2005.169	R	20	1.635	0.008	221.4*	0.3	0	
05118+0102	STF 652	3764	2007.091	R	20	1.614	0.011	181.5*	0.6	0	
05135+0158	STT 517 AB	3799	2005.108	R	20	0.658	0.010	58.7*	0.7	1	
05135+0158	STT 517AB	3799	2006.053	R	10	0.653	0.004	239.2	0.4	1	
05148+1232	HU 1224	3822	2007.195	R	20	1.049	0.009	115.4*	0.6	0	
05153+4710	A 1031	3812	2007.203	R	20	—	—	—	—	0	NF, too diffuse
05157+1944	STF 665	3837	2007.197	R	20	1.688	0.008	253.3	1.0	0	
05159+0345	A 2638	3847	2007.197	R	20	0.991	0.011	277.0	0.8	0	
05167+1826	STF 670A-Bb	3854	2007.203	R	20	2.540	0.017	165.0*	0.4	0	
05172+3320	STF 666	3853	2007.203	R	20	3.099	0.032	74.6*	0.4	0	
05172+3320	STF 666	3853	2005.169	R	20	3.090	0.015	74.2	0.3	0	
05188+5250	STF 657	3870	2007.156	R	20	0.936	0.011	307.6	0.6	0	
05222+4505	STF 684	3932	2007.192	R	20	1.496	0.008	141.0*	0.3	0	
05239-0052	WNC 2A-BC	3991	2007.225	R	20	3.062	0.015	159.1*	0.3	0	
05240+2458	STF 694AB	3981	2007.192	R	20	1.365	0.008	13.7	0.3	0	
05243+3939	BU 1317	3976	2007.197	R	20	0.712	0.016	17.9	1.1	0	
05245-0224	DA 5Aa-B	4002	2007.206	R	20	1.794	0.020	76.7*	0.5	0	
05247+6323	STF 677	3956	2007.083	R	20	1.058	0.008	122.9*	0.4	1	
05247+6323	STF 677	3956	2005.108	R	20	1.041	0.011	125.2*	0.3	1	
05248+6444	STF 676	3955	2007.083	R	20	1.388	0.014	267.5	0.3	0	
05265+0256	STF 712AB	4033	2007.206	R	20	3.207	0.053	66.1*	0.9	0	
05270+2737	HO 226AB	4032	2007.156	R	20	0.647	0.017	270.4	1.4	0	
05290+3746	BU 890	4060	2007.197	R	20	1.318	0.012	285.3	0.7	0	
05297+3523	HU 217	4072	2007.222	R	20	0.659	0.008	252.9	1.5	0	
05301+2933	STF 719AB	4086	2007.222	R	20	1.255	0.009	332.8*	0.7	0	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
05308+0557	STF 728	4115	2005.108	R	20	1.204	0.008	45.4*	0.3	1	
05308+0557	STF 728	4115	2007.206	R	20	1.240	0.008	45.6*	0.7	1	
05308+0557	STF 728	4115	2004.213	V	20	1.205	0.008	225.9!	0.4	1	VCF
05308+0557	STF 728	4115	2006.201	R	20	1.223	0.008	45.6*	0.4	1	
05308+0557	STF728	4115	2008.202	R	20	1.237	0.008	45.5*	0.3	1	
05309+1015	STF 726	4113	2007.203	R	20	1.192	0.011	262.1*	0.7	0	
05364+2200	STF 742	4200	2005.215	R	20	4.035	0.022	272.9*	0.3	1	
05371+2655	STF 749 AB	4208	2005.215	R	20	1.144	0.008	141.6*	0.6	1	
05371+2655	STF 749AB	4208	2007.197	R	20	1.148	0.015	141.1*	0.6	1	
05371+2655	STF 749AB	4208	2006.094	R	20	1.148	0.008	320.9	0.3	1	
"	"	"	2006.198	R	20	1.125	0.011	141.2*	0.3	1	
05371+2655	STF749	4208	2008.202	R	20	1.149	0.008	141.0*	0.4	1	
05371+4150	STF 736	4204	2007.083	R	20	2.553	0.013	359.7*	0.3	0	
05373+6642	MLR 314	—	2005.109	R	10	0.196	0.009	251.6	2.3	1	Very diffuse R=0.220 SR=0.015
05373+6642	MLR 314	—	2005.109	R	10	0.220	0.015	247.1	1.4	1	Very diffuse
05386+3030	BU 1240AB	4229	2005.103	R	10	0.215	0.005	335.0*	0.8	1	R=0.213 SR=0.003 T=334.7 ST
05386+3030	BU 1240 AB	4229	2005.103	R	10	0.213	0.003	334.7*	0.9	1	
05386+3030	BU 1240	4229	2004.095	V	10	0.204	0.016	158.3!	1.9	1	
05399+3757	STT 112	4243	2005.218	R	20	0.882	0.008	48.1	0.7	0	
05407-0157	STF 774 Aa-B	4263	2005.215	R	20	2.394	0.012	165.8*	0.5	1	
05413+1632	BU 1007	4265	2004.095	V	10	0.256	0.019	242.6*	1.9	1	HFN, AC diffuse
05413+1632	BU 1007	4265	2005.133	R	10	0.249	0.003	245.7*	0.4	1	Very diffuse
05417-0254	BU 1052	4279	2005.218	R	20	0.588	0.008	188.5*	0.6	1	
05436+1300	A 117AB	4304	2007.222	W	20	0.845	0.023	249.3	1.3	0	
05447+3118	A 1040	4317	2007.222	W	20	0.878	0.018	87.4*	0.6	0	
05460+2119	STF 787AB	4349	2007.225	R	20	0.734	0.011	57.5	1.4	0	
05474+2939	BU 560	4371	2007.082	R	20	1.648	0.013	125.6*	0.3	1	
05474+2939	BU 560	4371	2005.218	R	20	1.643	0.012	126.2*	0.3	0	
05479+0758	STT 119	4388	2007.225	R	20	0.730	0.008	351.3*	0.4	0	
05480+0627	STF 795	4390	2006.198	R	20	1.082	0.008	218.2*	0.3	0	
05491+6248	STF3115	4376	2007.189	R	20	0.831	0.019	338.9	2.1	1	
"	"	"	2007.195	R	20	0.816	0.008	340.6*	0.6	1	
05500+0952	HEI 670	—	2007.083	R	20	1.069	0.008	263.9*	1.5	0	
05522+3834	STF 799	4452	2007.083	R	20	0.757	0.008	162.1*	0.3	0	
05535+3720	BU 1053	4472	2007.156	R	20	1.796	0.015	359.1*	1.0	0	
05544+1854	STF 813	4490	2007.192	R	20	3.047	0.023	149.4	0.5	0	
05597+2228	STT 125	4577	2007.156	R	20	1.388	0.011	0.4	1.2	0	
06024+0939	A 2715 AB	4617	2005.133	V	10	0.179	0.022	26.4*	2.6	1	Very diffuse
06024+0939	A 2715	4617	2004.213	V	10	—	—	—	—	1	NF
06024+0939	A 2715AB	4617	2005.133	V	10	0.131	0.015	21.0*	2.8	1	Very diffuse R=0.179 SR=0.022
06038+1816	HDS824	—	2008.202	R	20	2.249	0.011	148.1*	0.5	0	
06041+2316	KUI 23 AB	—	2005.103	V	10	0.187	0.015	214.3*	0.5	1	Diffuse
06041+2316	KUI 23	—	2004.095	V	10	0.204	0.013	20.2*	1.8	1	AC very diffuse
"	"	"	2004.205	V	10	0.212	0.011	16.9*	2.3	1	DF, HF <sub>n</sub>
"	"	"	2004.208	V	10	0.199	0.004	18.1*	1.6	1	DF, HF <sub>n</sub>
06041+2316	KUI 23AB	—	2004.095	V	10	0.233	0.013	201.0*	2.4	1	DF R=0.198 SR=0.013 T=201.
"	"	"	2004.205	V	10	0.200	0.005	199.1	1.4	1	DF R=0.212 SR=0.011 T=196.
"	"	"	2004.208	V	10	0.184	0.007	196.0	1.3	1	DF R=0.199 SR=0.004 T=198.
"	"	"	2005.103	V	10	0.154	0.004	212.7*	2.1	1	Diffuse R=0.187 SR=0.015 T=212.
06085+1358	STF 848 AB	4728	2005.218	R	20	2.558	0.013	109.9*	0.3	0	
06117+1723	STF 867AB	4789	2007.096	R	20	2.184	0.020	158.0	0.3	0	
06135+1015	HO 22	4823	2006.245	R	20	0.960	0.027	208.1	1.1	0	
"	"	"	2006.253	R	20	0.968	0.016	209.8	0.7	0	
06145+1754	KUI 24	—	2007.200	R	10	0.364	0.004	142.8*	0.4	0	



WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
06145+1754	KUI 24	—	2005.218	R	10	0.388	0.003	141.6*	1.1	0	
06149+2230	BU1008	4841	2008.243	V	20	1.787	0.009	257.2*	0.3	1	
06149+2230	BU 1008	4841	2005.111	R	20	1.703	0.012	257.2*	0.3	1	
06149+2230	BU 1008	4841	2004.241	V	20	1.767	0.023	168.6!	0.4	1	
06152+0631	A2717	4856	2008.243	R	20	0.565	0.016	353.9	4.5	0	
06221+5922	STF 881Aa-B	4950	2007.195	R	20	0.656	0.008	144.8*	0.4	0	
06228+1734	STF 899	4991	2005.218	R	20	2.196	0.014	18.2*	0.4	0	
06250+4233	A2356	5016	2008.251	R	20	0.849	0.017	259.8	2.4	0	
06250+4233	A 2356	5016	2006.253	R	20	0.906	0.011	261.0	0.5	0	
06344+1445	STF 932	5197	2007.203	R	20	1.677	0.017	306.6*	0.3	1	
06344+1445	STF 932	5197	2005.215	R	20	1.681	0.008	307.4*	0.5	1	
06347+3832	STF 928AB	5191	2007.195	R	20	3.457	0.021	131.6*	0.3	0	
06364+2717	STT 149	5234	2007.096	R	20	0.695	0.017	289.3*	0.7	1	
06384+2859	MCA 27	—	2004.095	V	10	0.212	0.011	115.5!	2.0	1	AC diffuse (patched)
"	"	"	2004.205	V	10	—	—	—	—	1	DF
"	"	"	2004.208	V	10	0.234	0.011	108.4!	1.6	1	DF, HF <sub>n</sub>
06384+2859	MCA 27	—	2004.095	V	10	0.231	0.011	287.2	2.5	1	DF R=0.213 SR=0.012 T=295.1
"	"	"	2004.208	V	10	0.204	0.003	288.7	0.9	1	DF R=0.234 SR=0.011 T=288.4
06384+2859	MCA 27	—	2007.200	R	10	0.157	0.004	96.7*	0.9	1	
06387+4135	STF 941AB	5269	2007.096	R	20	1.885	0.009	82.9*	0.3	0	
06392+0939	STH 1	5290	2007.097	R	20	0.717	0.017	285.1	0.9	0	
06396+2816	STT 152	5289	2005.259	R	20	0.862	0.019	35.0*	0.6	0	
06396+2816	STT152	5289	2008.202	R	20	0.851	0.008	35.7*	0.5	0	
06404+4058	STF945	5296	2008.240	R	20	0.428	0.015	329.1*	1.1	0	
06404+4058	STF 945	5296	2005.259	R	10	0.466	0.003	327.5*	0.4	0	Haloes around peaks
06404+4058	STF 945	5296	2007.225	R	20	0.465	0.011	329.2*	0.6	1	
06410+0954	STF 950Aa,B	5322	2007.260	R	20	2.940	0.035	213.4*	0.4	0	
06425+6612	MLR 318	—	2007.263	R	20	1.669	0.026	308.0*	0.5	1	
06452+3050	STF957	5403	2008.251	R	20	3.922	0.056	88.5*	1.2	0	
06462+5927	STF 948	5400	2004.210	V	20	1.888	0.012	251.3!	0.4	1	VCF
06462+5927	STF 948AB	5400	2007.192	R	20	1.885	0.009	69.6*	0.3	1	
06462+5927	STF 948 AB	5400	2005.111	R	20	1.869	0.010	70.7*	0.3	1	
06474+1812	STT 156	5447	2007.200	R	10	0.246	0.003	187.6	0.7	1	
06474+1812	STT 156	5447	2005.136	R	10	0.262	0.003	195.0	0.4	1	
06474+1812	STT156	5447	2008.240	R	10	0.243	0.003	184.7	1.1	1	
06474+1812	STT 156	5447	2004.210	V	10	0.276	0.005	198.1!	1.0	1	CF
06487+0737	A 2731AB	5469	2007.197	R	20	1.301	0.011	63.9*	0.6	1	
06531+5927	STF963	5514	2008.202	R	10	0.225	0.004	331.2*	1.2	1	
06531+5927	STF 963 AB	5514	2005.259	V	10	0.225	0.006	325.0*	1.2	1	
"	"	"	2005.259	R	10	0.232	0.008	324.8*	2.0	1	
06531+5927	STF 963AB	5514	2007.083	R	10	0.232	0.007	328.4	0.9	1	
"	"	"	2007.192	R	10	0.237	0.003	329.8*	0.7	1	
06531+5927	STF 963	5514	2004.210	V	10	0.239	0.006	137.8!	0.9	1	
06555+3010	STF981	5570	2008.202	R	20	1.160	0.008	123.4*	0.3	1	
06555+3010	STF 981	5570	2006.258	V	20	1.183	0.008	305.5	0.8	1	
06573+5825	STT 159AB	5586	2007.192	R	10	0.615	0.003	228.8*	0.4	1	
06573+5825	STT 159	5586	2004.210	V	10	0.571	0.003	226.3!	0.3	1	CF
06573+5825	STT 159 AB	5586	2005.136	R	10	0.581	0.003	227.1*	0.3	1	
07028+1305	HO 342	5725	2006.253	R	20	1.198	0.014	86.2*	0.3	0	
07028+1305	HO 342	5725	2006.258	R	20	1.162	0.023	86.6*	0.8	0	
07057+5245	STF1009	5746	2008.243	R	20	4.317	0.022	148.3*	0.3	0	
07057+5245	STF1009 AB	5746	2005.215	R	20	4.243	0.021	148.2*	0.3	0	
07128+1511	WEI 14	5875	2006.266	R	20	2.133	0.014	160.5*	0.3	0	
07128+1511	WEI 14	5875	2006.253	R	20	2.121	0.026	161.1*	0.3	0	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
07128+2713	STF1037AB	5871	2006.269	R	20	1.067	0.014	310.2*0.4	1		
07128+2713	STF 1037	5871	2004.205	V	20	1.104	0.027	131.6! 1.2	1	CF	
07128+2713	STF1037 AB	5871	2005.136	R	20	1.070	0.011	310.6*0.5	1		
07128+2713	STF1037	5871	2008.202	R	20	1.041	0.008	309.2 0.3	1		
07128+2713	STF1037AB	5871	2007.157	R	20	1.048	0.010	309.4 0.9	1		
07148+5233	STF1033AB	5896	2006.266	R	20	1.577	0.008	276.1*0.4	0		
07176+0918	STT 170	5958	2006.269	R	10	0.246	0.004	17.5 2.0	1		
07176+0918	STT170	5958	2008.202	R	10	0.229	0.005	355.8 1.5	1		
07274+1519	STF1094	6086	2006.269	R	20	2.533	0.015	95.3 0.3	0		
07303+4959	STF1093	6117	2006.269	R	20	0.885	0.019	201.2*1.0	1		
07303+4959	STF1093	6117	2007.195	R	20	0.876	0.010	201.3 2.1	1		
07303+4959	STF1093	6117	2008.202	R	20	0.901	0.009	203.5 1.8	1		
07345+1218	STF1116	6180	2008.243	R	20	1.812	0.047	96.6*0.4	0		
07345+1218	STF1116	6180	2006.283	R	20	1.773	0.014	96.1*0.4	0		
07346+3153	STF1110AB	6175	2007.206	V	20	4.481	0.022	59.4*0.3	1		
07346+3153	STF1110AB	6175	2006.267	V	20	4.400	0.022	60.0*0.3	1		
07346+3153	STF1110	6175	2008.241	R	20	4.593	0.023	58.6*0.3	1		
07351+3058	STT 175 AB	6185	2005.136	V	10	—	—	— —	1	NF	
07351+3058	STT 175AB	6185	2007.263	R	10	—	—	— —	1	Unresolved	
07351+3058	STT 175AB	6185	2004.211	V	10	0.105	0.009	139.2 1.9	1	NF R=nodata SR=nodata T=n	
"	"	"	2005.136	V	10	0.089	0.009	145.7 1.5	1	NF R=nodata SR=nodata T=n	
07351+3058	STT 175	6185	2004.210	V	10	—	—	— —	1	NF	
07359+4302	STT174	6191	2008.252	R	20	2.193	0.012	87.6*0.3	0		
07359+4302	STT 174	6191	2006.267	R	20	2.167	0.011	88.1*0.3	0		
07401+0514	STF1126AB	6263	2006.267	R	20	0.880	0.008	172.4*0.5	0		
07401+0514	STF1126	6263	2008.241	R	20	0.872	0.008	173.4*0.4	0		
07417+3726	STT 177	6276	2007.192	R	20	0.518	0.018	151.0*0.7	1		
07486+2308	WRH 15AB	6378	2007.192	R	10	0.274	0.004	34.8 0.5	1		
07556+3630	COU2075	—	2007.157	W	20	0.795	0.010	140.1*1.5	0		
07573+0108	STT 185	6483	2007.263	R	10	0.241	0.006	188.2 1.0	1		
07573+0108	STT 185	6483	2004.260	V	10	—	—	— —	1	NF	
07573+0108	STT 185	6483	2004.260	V	10	0.125	0.007	353.3 0.5	1	NF R=nodata SR=nodata T=n	
07598+1341	STF1170	6499	2007.197	R	20	2.384	0.014	106.3*0.3	0		
08024+0409	STF1175	6532	2007.197	R	20	1.405	0.008	280.5*0.4	1		
08024+0409	STF1175	6532	2008.202	R	20	1.416	0.023	281.2*0.3	1		
08033+2616	STT 186	6538	2004.306	V	10	0.990	0.006	74.1*0.3	0		
08033+2616	STT 186	6538	2007.203	R	20	0.974	0.008	73.5*0.3	0		
08041+3302	STT 187	6549	2007.200	R	10	0.407	0.006	341.1 0.8	1		
08041+3302	STT 187	6549	2004.205	V	10	0.405	0.006	163.6! 1.0	1		
"	"	"	2004.205	W	10	0.402	0.010	164.2! 2.5	1	DF	
08056+2732	STF1177	6569	2007.299	R	20	3.480	0.017	349.4*0.3	0		
08056+2732	STF1177	6569	2006.253	R	20	3.504	0.029	350.0*0.3	0		
08061-0047	A 1971	6582	2007.200	W	20	0.937	0.032	6.4 0.4	1		
08095+3213	STF 1187	6623	2004.306	V	20	2.996	0.015	22.6*0.3	1		
08095+3213	STF1187Aa-B	6623	2007.192	R	20	2.996	0.015	22.5*0.3	1		
08095+3213	STF1187	6623	2008.243	R	20	3.038	0.021	22.3*0.4	1		
08122+1739	STF1196AB	6650	2007.192	R	10	1.016	0.005	50.0 0.3	1		
08122+1739	STF 1196	6650	2004.213	V	10	0.949	0.005	242.1! 0.3	1	VCF	
08122+1739	STF1196	6650	2008.252	R	10	1.059	0.007	45.9*0.5	1		
08198+0357	FIN 346	—	2004.241	V	10	0.254	0.010	240.4! 0.3	0	HF <sub>n</sub>	
08198+0357	FIN 346	—	2007.225	R	10	0.261	0.003	59.6 0.7	0		
08213-0136	STF 1216	6762	2004.213	V	10	0.523	0.006	117.7! 1.0	1		
"	"	"	2004.241	V	10	—	—	— —	1	NF	
08213-0136	STF1216	6762	2007.200	R	20	0.512	0.022	298.8*1.3	1		

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
08413+2029	BU 585	6930	2006.283	R	10	0.347	0.006	79.5	0.9	0	
08432+3849	?	6946	2007.299	R	20	3.998	0.020	77.9!	0.3	0	New component?
08432+3849	BU 209	6946	2006.253	R	20	1.282	0.008	8.5*	0.3	0	
08432+3849	BU 209	6946	2007.299	R	20	1.279	0.010	8.2	0.3	0	
08468+0625	STF1273AB-C	6993	2007.198	R	20	2.767	0.014	301.5*	0.3	1	NF
08468+0625	SP 1AB	6993	2007.198	V	10	0.151	0.004	288.1	0.6	1	
08468+0625	SP 1AB	6993	2004.208	V	10	0.201	0.004	254.2	1.8	1	DF R=nodata SR=nodata T=nodata
08468+0625	SP 1	6993	2004.208	V	10	—	—	—	—	1	DF
08507+1800	A 2473	7039	2007.225	R	10	0.268	0.003	77.3	1.0	1	
08507+1800	A 2473	7039	2005.259	R	10	0.259	0.004	75.0	0.4	1	
08508+3504	STF1282	7034	2006.253	R	20	3.562	0.018	277.4*	0.3	0	DSF
08508+3504	STF1282	7034	2007.323	R	20	3.525	0.020	278.0*	0.3	0	
08514+5732	STF1275AB	7033	2007.323	R	20	1.875	0.018	198.7	0.3	0	
08514+5732	STF1275AB	7033	2006.267	R	20	1.888	0.009	197.9*	0.3	0	
08531+5457	A 1584	7054	2005.256	R	20	0.621	0.015	78.5*	0.8	1	
08531+5457	A 1584	7054	2007.192	R	20	0.652	0.008	79.7	1.2	1	
08539+1958	COU 773	—	2007.288	R	10	—	—	—	—	1	Too diffuse
"	"	"	2007.293	R	10	0.165	0.003	62.2	1.8	1	
08539+1958	COU 773	—	2006.310	V	10	0.148	0.005	56.9*	3.5	1	
08542+3035	STF 1291	7071	2004.241	V	20	1.503	0.017	130.9!	0.6	0	VCF
08542+3035	STF1291	7071	2008.243	R	20	1.509	0.009	310.2*	0.4	0	
08542+3035	STF1291AB	7071	2007.200	R	20	1.509	0.011	310.1*	0.4	0	
08554+7048	STF1280AB	7067	2007.225	R	20	2.038	0.032	348.6	0.3	1	
08580+3014	HO 252	7107	2004.241	V	10	—	—	—	—	0	NF
08580+3014	HO 252	7107	2007.203	R	10	—	—	—	—	0	NF, unresolved
09006+4147	KUI 37AB	—	2007.203	R	10	0.523	0.003	329.9*	0.7	1	
09006+4147	KUI 37	—	2004.205	V	10	0.693	0.008	185.1!	0.3	1	HF <sub>n</sub>
09033+4740	HU 720	7153	2006.269	R	20	0.731	0.023	133.2	1.3	0	
09033+4740	HU 720	7153	2007.299	R	20	0.750	0.014	133.2	0.4	0	
09036+4709	A 1585	7158	2004.205	V	10	0.149	0.010	125.3!	2.5	1	CF
09036+4709	A 1585	7158	2007.203	R	10	0.208	0.005	297.6*	0.9	1	
09036+4709	A 1585	7158	2004.205	V	10	0.126	0.009	307.3	2.5	1	R=0.141 SR=0.006 T=306.8 ST
09104+6708	STF1306AB	7203	2007.198	R	20	4.114	0.021	350.8*	0.3	1	NF
"	"	"	2007.277	R	20	4.177	0.051	350.7*	0.3	1	
09104+6708	STF 1306	7203	2004.304	V	20	4.059	0.021	172.0!	0.5	1	
09104+6708	STF1306AB	7203	2005.256	R	20	4.049	0.020	351.3*	0.3	1	
09104+6708	STF1306AB	7203	2006.258	R	20	4.109	0.021	350.9*	0.3	1	
"	"	"	2006.267	R	20	4.076	0.020	350.8*	0.3	1	
"	"	"	2006.308	R	20	4.106	0.021	350.8*	0.8	1	
09104+6708	STF1306	7203	2008.314	R	20	4.148	0.023	350.3*	0.3	1	
09127+1632	STF 1322	7236	2004.306	V	20	1.822	0.011	52.5*	0.6	0	HF <sub>n</sub> ,
09127+1632	STF1322	7236	2007.277	R	20	1.770	0.014	53.0*	0.7	0	
09179+2834	STF3121AB	7284	2007.192	R	20	0.698	0.008	209.1	0.6	1	
09179+2834	STF3121AB	7284	2005.256	R	20	0.774	0.009	205.1*	0.4	1	
09179+2834	STF3121	7284	2008.241	R	20	0.627	0.008	212.2	1.5	1	
09184+3522	STF 1333	7286	2004.260	V	20	1.939	0.017	228.6!	0.5	0	HF <sub>n</sub>
09184+3522	STF1333	7286	2007.200	R	20	1.938	0.010	49.0*	0.3	0	
09188+3648	STF1334A-Bb	7292	2007.260	R	20	2.667	0.026	224.2*	0.3	0	
09188+3648	STF 1334	7292	2004.306	V	20	2.641	0.013	224.7*	0.5	0	
09208+6121	STF 1331	7300	2004.306	V	10	0.939	0.005	152.6!	0.5	0	HF <sub>n</sub>
09208+6121	?	7300	2007.277	R	20	0.443	0.008	11.5!	1.3	0	New component?
09208+6121	STF1331AB	7300	2007.277	R	20	0.931	0.014	153.0*	0.9	0	
09210+3811	STF 1338	7307	2004.208	V	10	1.050	0.011	112.0!	0.5	1	CF, HF <sub>n</sub>
09210+3811	STF1338	7307	2008.241	R	20	1.066	0.017	298.0*	0.3	1	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
09210+3811	STF1338AB	7307	2007.260	R	20	1.059	0.014	297.1*	0.9	1	
09210+3811	STF1338AB	7307	2006.253	R	10	1.062	0.008	295.9*	0.3	1	Elongated
09245+0621	STF1348AB	7352	2007.263	R	20	1.926	0.019	313.4	0.8	0	
09245+0621	STF1348AB	7352	2005.319	R	20	1.973	0.010	314.7*	0.3	0	
09245+0621	STF 1348	7352	2004.320	V	20	1.931	0.010	171.7!	0.6	0	HF <sub>n</sub> ,
09245+1808	A 2477	7341	2005.333	R	10	0.426	0.006	355.8*	1.0	1	Elongated and faint
09245+1808	A 2477	7341	2007.198	R	10	0.442	0.006	356.2	0.3	1	
09249+5134	STT 200	7348	2005.330	R	20	1.273	0.008	334.3*	0.5	0	
09249+5134	STT 200	7348	2007.293	R	20	1.222	0.030	336.6*	0.8	0	
09273+0614	STF 1355	7380	2004.320	V	20	1.885	0.013	171.7!	0.4	0	
09273+0614	STF1355	7380	2007.260	R	20	1.869	0.009	352.5*	0.8	0	
09285+0903	STF1356	7390	2007.288	R	10	0.686	0.005	97.8*	0.3	1	
09285+0903	STF 1356	7390	2004.205	V	10	0.630	0.013	93.1!	0.3	1	HF <sub>n</sub>
09285+0903	STF1356	7390	2008.241	R	20	0.689	0.008	99.7*	0.3	1	
09285+0903	STF1356	7390	2006.308	R	10	0.671	0.004	96.4*	0.3	1	
09300+4216	A 1985	7398	2007.293	R	20	1.541	0.010	24.2	0.4	0	
09300+4216	A 1985	7398	2006.267	R	20	1.513	0.017	25.0	0.3	0	
09327+0152	FIN 349	—	2005.333	R	10	0.110	0.004	125.6	0.9	1	Elongated central peak R=nodata
09327+0152	FIN 349	—	2005.333	R	10	—	—	—	—	0	Elongated central peak
09327+0152	FIN 349	—	2007.263	R	10	—	—	—	—	1	Unresolved
09414+3857	STF1374AB	7477	2007.203	R	20	2.815	0.014	308.0*	0.3	0	
09414+3857	STF1374AB	7477	2005.330	R	20	2.845	0.014	307.6*	0.3	0	
09498+2111	KUI 44	—	2004.210	V	10	—	—	—	—	0	NF
"	"	"	2004.213	V	10	—	—	—	—	0	NF
09498+2111	KUI 44	—	2005.259	R	10	—	—	—	—	1	NF
09513+6037	STF1381	7536	2006.269	R	20	0.889	0.008	189.5	0.5	0	
09513+6037	STF1381	7536	2007.293	R	20	0.876	0.014	187.8*	0.5	0	
09521+5404	STT 208	7545	2004.208	V	10	0.305	0.010	96.1!	0.3	1	HF <sub>n</sub>
09521+5404	STT 208	7545	2007.261	R	10	0.325	0.004	285.4*	0.4	1	
09521+5404	STT 208	7545	2006.310	R	10	0.311	0.009	281.7*	0.4	1	
09521+5404	STT208	7545	2008.241	R	10	0.335	0.003	288.2*	0.4	1	
10056+3105	STF1406	7632	2006.269	R	20	0.805	0.020	218.5	1.3	0	
10056+3105	STF1406	7632	2007.293	R	20	0.789	0.011	217.3	0.3	0	
10057+4103	A 2142	7631	2004.304	V	20	1.056	0.025	116.3!	0.8	0	HF <sub>n</sub>
10057+4103	A 2142	7631	2007.198	R	20	1.022	0.010	294.6*	0.3	0	
10151+1907	STF1417	7695	2006.269	R	20	2.385	0.035	77.2	0.9	0	
10151+1907	STF1417	7695	2007.293	W	20	2.338	0.018	77.4	0.7	0	
10163+1744	STT 215	7704	2006.253	R	20	1.441	0.017	177.9*	0.3	1	
10163+1744	STT 215	7704	2007.288	R	20	1.424	0.010	177.9*	0.3	1	
10163+1744	STT 215	7704	2004.210	V	20	1.440	0.020	177.9!	0.7	1	HF <sub>n</sub>
10163+1744	STT215	7704	2008.314	R	20	1.459	0.011	178.1*	0.3	1	
10205+0626	STF1426	7730	2008.350	R	20	0.925	0.009	309.9*	0.7	0	
10205+0626	STF1426AB	7730	2006.283	R	20	0.913	0.011	310.1*	0.7	1	
"	"	"	2006.308	R	20	0.922	0.016	308.4	1.2	1	
10205+0626	STF1426AB	7730	2007.293	R	20	0.916	0.008	309.3*	0.7	1	
10205+0626	STF 1426	7730	2004.304	V	20	0.942	0.008	129.0!	0.9	0	HF <sub>n</sub>
10250+2437	STF1429	7758	2007.192	W	20	0.746	0.011	160.4	0.4	1	
10250+2437	STF1429	7758	2008.350	R	20	0.769	0.008	161.3	0.7	1	
10250+2437	STF1429	7758	2005.259	R	20	0.740	0.010	163.1	0.4	1	
10260+5237	STF 1428	7762	2004.304	V	20	2.873	0.015	267.5!	0.3	0	HF <sub>n</sub>
10260+5237	STF1428	7762	2007.277	R	20	2.876	0.041	87.4*	0.3	0	
10269+1713	STT 217	7775	2005.319	R	20	0.735	0.010	147.8*	0.7	1	
10269+1713	STT 217	7775	2007.261	R	20	0.737	0.010	145.9*	0.9	1	
10269+1713	STT217	7775	2008.314	R	20	0.749	0.008	146.1	1.0	1	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
10279+3642	HU 879	7780	2007.288	R	10	0.457	0.003	222.1*	0.4	1	
10279+3642	HU 879	7780	2006.310	V	10	0.416	0.004	220.5*	0.5	1	
10279+3642	HU 879	7780	2004.205	V	10	0.318	0.010	217.9!	1.0	1	
10279+3642	HU879	7780	2008.350	R	10	0.476	0.005	222.3*	1.1	1	Elongated
10350+0839	STF1450	7837	2007.277	R	20	2.117	0.019	156.4*	0.3	0	
10350+0839	STF 1450	7837	2004.306	V	20	2.133	0.012	156.7*	0.3	0	HF <sub>n</sub> ,
10397+0851	STT224	7871	2008.353	R	20	0.512	0.010	140.8*	2.5	1	
10397+0851	STT 224	7871	2005.327	R	20	0.505	0.011	147.1	1.0	1	
10397+0851	STT 224	7871	2007.288	R	20	0.498	0.008	142.2	0.6	1	
10397+0851	STT 224	7871	2006.360	R	20	0.517	0.009	146.9*	1.3	1	
10397+0851	STT 224 AC?	7871	2005.327	R	20	2.091	0.014	36.6!	0.3	0	New system
10406+4209	STF1460	7878	2007.293	R	20	3.743	0.021	161.7*	0.3	0	
10406+4209	STF1460	7878	2005.330	R	20	3.722	0.019	161.9	0.3	0	
10426+0335	A2768	7896	2008.353	R	20	0.565	0.015	253.6*	1.0	1	
10426+0335	A 2768	7896	2007.261	R	20	0.579	0.008	253.8*	0.3	1	
10426+0335	A 2768	7896	2005.327	R	20	0.565	0.020	255.6	1.0	1	Diffuse
10480+4107	STT229	7929	2008.353	R	20	0.687	0.015	262.8	0.3	1	
10480+4107	STT 229	7929	2007.261	R	20	0.685	0.008	265.6	0.6	1	
10480+4107	STT 229	7929	2005.319	R	20	0.710	0.008	265.3	0.4	1	
10493-0401	STF1476	7936	2007.277	R	20	2.414	0.013	16.0*	0.3	0	
10493-0401	STF 1476	7936	2004.383	V	20	2.442	0.014	15.8*	0.3	0	
10557+0044	BU 1076	7982	2007.323	R	20	1.155	0.012	56.8*	0.8	1	
10557+0044	BU 1076	7982	2006.308	R	20	1.152	0.011	55.6*	1.0	1	
11000-0328	STF1500	8007	2007.299	R	20	1.370	0.008	300.8	0.5	0	
11000-0328	STF1500	8007	2005.327	R	20	1.406	0.028	300.2	0.4	0	
11037+6145	BU 1077AB	8035	2006.270	V	10	0.429	0.005	58.4*	1.8	1	Diffuse
"	"	"	2006.310	V	10	0.425	0.004	57.2*	0.6	1	
11037+6145	BU 1077	8035	2004.213	V	10	0.374	0.010	269.3!	0.5	1	
"	"	"	2004.397	V	10	0.380	0.007	88.3*	0.9	1	
11037+6145	BU 1077AB	8035	2007.261	V	10	0.461	0.003	44.1*	0.5	1	
11037+6145	BU 1077AB	8035	2005.259	V	10	0.388	0.005	72.0*	0.5	1	
"	"	"	2005.382	V	10	0.389	0.006	70.4*	0.7	1	
"	"	"	2005.385	V	10	0.388	0.004	70.6*	0.7	1	
11050+3825	HO 378AB	8047	2005.330	R	20	1.061	0.015	236.4	0.5	0	
11050+3825	HO 378AB	8047	2007.293	R	20	1.034	0.012	236.9	0.6	0	
11136+5525	A 1353	8092	2006.360	R	20	0.579	0.010	213.0*	1.0	1	
11136+5525	A 1353	8092	2004.399	V	10	0.558	0.007	214.0*	0.7	1	HF <sub>n</sub>
11136+5525	A 1353	8092	2007.323	R	20	0.556	0.012	214.9	1.3	1	
11137+2008	STF1517	8094	2005.319	R	20	0.609	0.008	139.0*	0.8	1	
11137+2008	STF1517AB	8094	2007.261	W	10	0.603	0.015	317.5	1.1	1	Elongated
11154+2734	STF1521	8105	2007.299	R	20	3.656	0.018	97.3*	0.3	0	
11154+2734	STF1521	8105	2005.319	R	20	3.686	0.022	97.1*	0.3	0	
11158+4227	COU1904	—	2006.308	R	20	0.433	0.011	210.8	1.8	0	
11182+3132	STF1523AB	8119	2007.288	R	20	1.636	0.008	228.7*	0.6	1	
11182+3132	STF1523AB	8119	2006.311	V	20	1.703	0.011	237.4*	0.5	1	
11182+3132	STF 1523	8119	2004.213	V	20	1.771	0.011	70.0*	0.3	1	VCF,
"	"	"	2004.323	V	20	1.785	0.011	69.4*	0.3	1	HF <sub>n</sub> ,
11190+1416	STF1527	8128	2007.277	R	10	0.288	0.004	147.0	0.3	1	
"	"	"	2007.288	R	10	0.284	0.004	146.7	0.5	1	
11239+1032	STF 1536	8148	2004.213	V	20	1.847	0.015	106.4!	0.3	1	
11239+1032	STF1536AB	8148	2007.288	R	20	1.918	0.011	103.0*	0.3	1	
11239+1032	STF1536AB	8148	2006.360	R	20	1.906	0.010	103.8*	0.3	1	
11308+4117	STT 234	8189	2004.399	V	20	0.506	0.024	165.7!	2.5	1	HF <sub>n</sub>
11308+4117	STT 234	8189	2006.371	R	20	0.502	0.009	166.2*	0.4	1	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
11308+4117	STT 234	8189	2007.323	R	20	0.543	0.026	168.1	1.7	1	
11323+6105	STT 235AB	8197	2006.371	R	20	0.714	0.011	11.8*	1.0	1	
11323+6105	STT 235	8197	2004.241	V	10	0.682	0.004	181.8!	1.1	1	HFn
11347+1648	STF1552AB	8220	2007.381	R	20	3.531	0.074	207.9*	0.7	0	Elongated
11347+1648	STF1552AB	8220	2005.259	R	20	3.483	0.017	207.7*	0.3	0	
11363+2747	STF1555AB	8231	2007.323	R	10	0.714	0.014	148.6	0.8	1	
11363+2747	STF1555AB	8231	2005.357	R	20	0.719	0.008	147.7*	0.6	1	
11363+2747	STF1555AB	8231	2006.371	R	10	0.719	0.004	147.6	0.3	1	
11363+2747	STF 1555	8231	2004.205	V	10	0.725	0.004	147.8!	0.3	1	HFn
11388+6421	STF1559	8249	2005.330	R	20	1.953	0.010	322.8*	0.5	0	
11390+4109	STT 237	8252	2007.356	R	20	2.043	0.010	244.8*	0.3	1	
11390+4109	STT 237	8252	2006.267	R	20	2.002	0.010	244.6*	0.3	1	
11447-0431	RST4484	—	2005.396	R	20	0.776	0.011	62.8*	0.3	0	
11447-0431	RST4484	—	2007.378	R	20	0.746	0.018	63.8	0.4	0	
11486+1417	BU 603	8311	2005.327	R	20	1.011	0.008	337.7*	0.3	1	
11486+1417	BU 603	8311	2007.356	R	20	0.998	0.008	336.6*	0.6	1	
11520+4805	HU 731	8325	2006.267	R	20	1.078	0.017	129.3	0.7	1	
11537+7345	BU 794 AB	8337	2005.380	R	10	0.473	0.003	43.1*	0.5	1	
11551+4629	STF1579 AB-C	8347	2005.333	R	20	3.889	0.019	41.4*	0.3	0	
11563+3527	STT 241	8355	2005.319	R	20	1.788	0.009	143.3*	0.3	0	
11563+3527	STT 241	8355	2007.356	R	20	1.763	0.009	144.0*	0.4	0	
12035-0227	STF1593 AB	8403	2005.396	R	20	1.276	0.008	13.9	0.6	0	
12060+6842	STF 3123	8419	2004.241	V	10	0.257	0.007	223.8!	0.6	1	DF (AC patched)
12108+3953	STF 1606	8446	2004.304	V	10	0.401	0.003	169.4!	0.7	1	HFn
12108+3953	STF1606	8446	2005.328	R	10	0.390	0.010	166.1	0.8	1	
12244+2535	STF1639AB	8539	2006.371	R	20	1.735	0.012	324.5*	0.5	1	
12244+2535	STF 1639	8539	2004.241	V	20	1.742	0.009	144.2!	0.4	1	HFn
12257+4444	STF1642	8546	2006.311	R	20	2.455	0.021	179.1	0.3	0	
12272+2701	STF1643	8553	2006.371	R	20	2.711	0.014	6.5	0.5	1	
12272+2701	STF1643	8553	2008.353	W	20	2.699	0.013	6.1*	0.4	1	Elongated
12272+2701	STF 1643	8553	2004.399	R	20	2.676	0.013	6.9*	0.4	1	
12291+3123	STT 251	8569	2006.311	R	20	0.738	0.008	56.6*	2.0	1	
12306+0943	STF1647	8575	2006.371	R	20	1.340	0.008	245.3	0.3	1	
12306+0943	STF 1647	8575	2004.304	V	20	1.361	0.018	64.9!	0.5	1	HFn
12321+7449	STF1654	8591	2006.360	R	20	3.768	0.019	22.8*	0.3	0	
12345+0558	BU 797AB	8598	2006.360	R	20	0.619	0.021	145.5	0.7	0	
12349+2238	WRH 12	—	2004.304	V	10	0.283	0.017	19.8*	1.8	1	HFn,
"	"	"	2004.320	V	10000	—	—	—	—	1	ok
12349+2238	WRH12	—	2008.353	R	10	0.302	0.004	15.5*	0.9	1	
12360+1124	STF1661	8606	2006.360	R	20	2.366	0.012	251.2*	0.3	0	Faint
12372+2112	STF1663	8611	2007.356	R	20	0.640	0.017	70.1	2.7	0	Faint
12409+0850	STF 1668	8625	2004.306	V	20	1.152	0.016	187.5*	0.3	0	
12409+0850	STF1668	8625	2006.371	R	20	1.146	0.012	186.4	0.3	0	
12417-0127	STF1670AB	8630	2006.308	V	10	0.467	0.003	86.7	0.9	1	
"	"	"	2006.311	R	10	0.464	0.004	86.1	0.3	1	
"	"	"	2006.360	R	10	0.485	0.003	83.5	0.3	1	
"	"	"	2006.371	R	10	0.483	0.003	83.0*	0.3	1	
"	"	"	2006.376	R	10	0.485	0.003	83.0	0.3	1	
"	"	"	2006.398	R	10	0.491	0.003	82.2*	0.3	1	
"	"	"	2006.439	R	10	0.496	0.003	79.9	0.3	1	
"	"	"	2006.442	R	10	0.506	0.003	79.9	0.3	1	
"	"	"	2006.447	R	10	0.514	0.007	79.9	0.5	1	
"	"	"	2006.450	R	10	0.498	0.003	79.6	0.3	1	
"	"	"	2006.453	R	10	0.500	0.003	79.6	0.3	1	
"	"	"	2006.464	R	10	0.501	0.003	79.1*	0.3	1	
"	"	"	2006.475	R	10	0.505	0.004	78.9	0.4	1	
"	"	"	2006.477	R	10	0.514	0.005	78.4	0.3	1	
"	"	"	2006.497	R	10	0.504	0.005	78.3	0.4	1	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
12417-0127	STF1670AB	8630	2007.324	R	10	0.726	0.004	52.9	0.3	1	Elongated
"	"	"	2007.356	R	10	0.744	0.004	51.9*	0.3	1	Elongated
"	"	"	2007.378	R	20	0.754	0.008	51.5*	0.4	1	
"	"	"	2007.381	V	20	0.758	0.010	51.4*	0.3	1	Elongated
"	"	"	2007.384	R	10	0.749	0.004	51.5*	0.3	1	
12417-0127	STF1670	8630	2008.353	R	20	1.013	0.008	37.3*	0.4	1	
"	"	"	2008.484	R	20	1.046	0.008	35.7*	0.4	1	
12417-0127	STF1670AB	8630	2005.259	V	10	0.392	0.003	161.9	0.3	1	
"	"	"	2005.319	V	10	0.386	0.003	157.6*	0.5	1	
"	"	"	2005.328	V	10	0.380	0.003	157.4*	0.6	1	
"	"	"	2005.330	V	10	0.380	0.003	157.1*	0.5	1	
"	"	"	2005.333	R	10	0.378	0.003	157.0*	0.3	1	
"	"	"	2005.382	V	10	0.373	0.006	151.7*	1.6	1	Elongated
"	"	"	2005.385	V	10	0.382	0.003	152.7*	0.6	1	
"	"	"	2005.396	R	10	0.383	0.003	151.6*	0.3	1	
"	"	"	2005.398	R	10	0.382	0.003	151.4*	0.3	1	
"	"	"	2005.404	R	10	0.386	0.003	151.2	0.3	1	
"	"	"	2005.409	R	10	0.377	0.003	150.5*	0.3	1	
"	"	"	2005.440	R	10	0.378	0.003	147.4	0.7	1	
"	"	"	2005.442	R	10	0.383	0.003	148.1*	0.6	1	
"	"	"	2005.464	R	10	0.377	0.005	146.5*	0.4	1	
"	"	"	2005.470	R	10	0.372	0.003	146.2*	0.4	1	
"	"	"	2005.478	R	10	0.375	0.003	145.2*	0.5	1	
"	"	"	2005.486	R	10	0.371	0.003	144.7*	0.4	1	
12417-0127	STF 1670	8630	2004.443	V	10	0.566	0.004	24.5*	0.5	1	HF <sub>n</sub>
"	"	"	2004.306	V	10	0.596	0.005	30.1*	0.9	1	HF <sub>n</sub> ,
"	"	"	2004.397	V	10	0.570	0.003	25.8*	0.5	1	
12438+0733	STF1674	8646	2005.398	R	20	2.333	0.012	174.1	0.6	0	
12493+2733	CHR 179Aa	—	2006.447	R	10	—	—	—	—	0	NF
12493+2733	CHR 179 Aa	—	2005.385	R	10	—	—	—	—	0	NF
12533+2115	STF 1687	8695	2004.323	V	20	1.109	0.010	188.0*	0.6	1	HF <sub>n</sub> ,
"	"	"	2004.260	V	10000	—	—	—	—	1	NF, HF <sub>n</sub>
12533+2115	STF1687AB	8695	2006.447	R	20	1.135	0.008	190.5*	0.3	1	
12563+5406	STF1695AB	8710	2005.333	R	20	3.780	0.019	280.3*	0.3	0	
12564-0057	STT 256	8708	2007.378	W	20	1.049	0.008	98.3	0.5	0	
12564-0057	STT 256	8708	2006.398	R	20	1.028	0.008	98.8	0.5	0	
12564-0057	STT 256	8708	2005.319	R	20	1.064	0.008	98.5*	0.3	0	
12572+0818	FIN 380	—	2005.404	R	10	0.243	0.003	161.4	1.3	0	
12574+3022	STF1696	8716	2005.396	R	20	3.614	0.018	203.7	0.4	0	
12587+2728	STF1699	8721	2007.378	W	20	1.681	0.011	8.3	0.3	0	
12587+2728	STF 1699	8721	2004.380	V	20	1.685	0.008	188.7*	0.4	0	HF <sub>n</sub> ,
13006-0322	AGC 5AB	8732	2005.409	R	20	0.701	0.020	180.1*	0.5	0	Very diffuse
13007+5622	BU 1082	8739	2004.397	V	20	1.240	0.029	88.6*	0.5	1	HF <sub>n</sub>
13007+5622	BU 1082	8739	2005.330	R	20	1.231	0.013	89.8*	0.3	1	
13007+5622	BU 1082	8739	2006.360	R	20	1.218	0.010	92.5*	0.4	1	
13007+5622	BU1082	8739	2008.490	R	20	1.132	0.015	96.8*	0.3	1	
13007+5622	BU 1082	8739	2007.378	R	20	1.173	0.010	94.5*	0.3	1	
13039-0340	BU 929	8759	2004.380	V	10	0.602	0.003	196.4*	0.8	0	HF <sub>n</sub>
13039-0340	BU 929	8759	2006.442	R	20	0.571	0.008	196.4*	0.6	0	
13048+7302	BU 799	8772	2004.383	V	20	1.336	0.012	264.5*	0.3	0	HF <sub>n</sub>
13064+2109	CHR 150Aa	—	2005.409	R	10	—	—	—	—	0	NF
13064+2109	COU 11Aa-B	—	2005.385	R	20	1.674	0.013	315.8*	0.3	0	
13084+1529	STF1722	8796	2007.378	W	20	2.657	0.013	336.6*	0.4	0	
13084+1529	STF1722	8796	2005.399	R	20	2.688	0.013	336.1*	0.4	0	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
13100+1732	STF1728	8804	2008.493	R	10	0.616	0.003	192.2*	0.3	1	
13100+1732	STF 1728	8804	2004.380	V	10	0.377	0.004	192.4!	0.9	1	HF <sub>n</sub>
13100+1732	STF1728AB	8804	2006.398	R	10	0.520	0.003	12.2	0.3	1	
13101+3830	BU 608 BC	8805	2005.410	R	20	1.270	0.008	269.3*	0.3	0	
13120+3205	STT 261	8814	2004.380	V	20	2.514	0.013	159.0*	0.3	0	HF <sub>n</sub> ,
13120+3205	STT 261	8814	2006.442	R	20	2.493	0.021	338.7*	0.3	0	
13128+4030	A 1606	8820	2005.396	—	20	1.300	0.014	196.9*	0.6	0	
"	"	"	0.000		0	0.000	751.700	9.8	10000.0	0	WR=0.8 WT=219 WY=1
"	"	"	2005.442	R	20	0.841	0.008	38.9	1.1	0	
13207+0257	STF1734	8864	2006.450	R	20	1.104	0.008	175.3*	0.3	0	
13207+0257	STF 1734	8864	2004.380	V	20	1.107	0.008	176.5*	0.6	0	HF <sub>n</sub> ,
13243+0124	STF1742	8890	2007.381	R	20	0.982	0.036	357.8	0.7	0	Very elongated
"	"	"	2007.384	R	20	0.985	0.024	356.1*	0.3	0	
13243+0124	STF1742	8890	2005.382	R	20	0.982	0.008	357.4	1.1	0	
13258+4430	A 1609AB	8901	2005.385	R	20	0.498	0.008	24.3	1.4	1	
13258+4430	A 1609AB	8901	2007.384	R	20	0.471	0.008	28.4	1.3	1	
13284+1543	STT 266	8914	2004.383	V	20	2.031	0.012	176.2*	0.4	0	HF <sub>n</sub>
13284+1543	STT 266	8914	2006.442	R	20	1.966	0.032	356.7	0.5	0	
13324+3649	STF1755	8934	2005.382	R	20	4.217	0.021	130.3*	0.3	0	
13329+3454	STT 269AB	8939	2007.384	R	10	0.272	0.004	220.0	0.5	1	
13329+3454	STT 269 AB	8939	2005.382	R	10	0.263	0.008	218.8	0.3	1	
13329+4908	STF1758	8940	2005.385	R	20	3.417	0.017	292.1*	0.3	0	
13340+0847	A 1792	8946	2005.410	R	20	0.674	0.013	308.7	0.5	0	
13341+6746	STF1767	8959	2006.450	W	20	4.150	0.021	344.1*	0.3	0	
13343-0019	STF1757AB	8949	2006.453	R	20	1.915	0.010	131.3*	0.3	1	
13343-0019	STF 1757	8949	2004.397	R	20	1.978	0.010	219.2*	28.2	1	HF <sub>n</sub>
13367+6947	STF1771	8976	2006.453	R	20	1.806	0.009	79.8	0.3	0	
13368+0650	A 1611	8968	2007.384	W	20	0.879	0.008	120.8*	0.4	0	
13368+0650	A 1611	8968	2005.399	R	20	0.852	0.015	121.4	0.8	0	Faint
13375+3618	STF 1768	8974	2004.380	V	20	1.775	0.016	97.8*	0.3	1	
13375+3618	STF1768AB	8974	2006.447	R	20	1.784	0.010	97.2*	0.3	1	
13377+5043	STF 1770	8979	2004.383	V	20	1.716	0.009	211.4*	0.3	0	HF <sub>n</sub> ,
13396+1045	BU 612	8987	2004.377	V	10	0.263	0.003	196.3!	1.5	1	
13396+1045	BU 612AB	8987	2006.447	R	10	0.283	0.003	205.6	0.3	1	
13431+0332	STF1777	9000	2005.382	R	20	2.808	0.014	227.3*	0.3	0	
13461+0507	STF1781	9019	2006.453	R	20	0.870	0.008	187.3	0.4	1	
13461+0507	STF 1781	9019	2004.397	V	20	0.826	0.008	184.4*	1.1	1	HF <sub>n</sub>
13491+2659	STF1785	9031	2006.450	R	20	3.206	0.016	177.6*	0.8	1	
13491+2659	STF 1785	9031	2004.397	R	20	3.239	0.023	176.1*	0.3	1	HF <sub>n</sub> ,
13563+0517	STT273	9060	2008.493	W	20	1.001	0.014	112.2*	0.5	0	
13563+0517	STT 273	9060	2004.383	V	20	1.028	0.021	111.2!	0.6	0	HF <sub>n</sub>
13571+3426	BU 937	9067	2005.399	R	20	1.011	0.008	132.3	0.3	0	
13577+5200	A 1614	9071	2005.385	R	20	1.373	0.017	123.7*	1.0	1	
13577+5200	A1614	9071	2008.484	W	20	1.385	0.019	302.1*	0.3	1	
14131+5520	STF1820	9167	2006.450	R	20	2.689	0.035	119.1*	0.4	1	
14131+5520	STF 1820	9167	2004.432	R	20	2.672	0.013	118.2!	0.3	1	
14135+1234	BU224	9165	2008.484	W	20	0.516	0.025	103.5*	0.8	1	
14135+1234	BU 224	9165	2005.399	R	20	0.515	0.011	105.4	1.4	1	
14138+1200	STT 279	9168	2005.399	R	20	2.219	0.020	254.8*	0.3	0	
14139+2906	STF1816	9174	2005.385	R	20	0.520	0.019	92.1*	1.0	0	
14139+2906	STF1816	9174	2008.493	R	20	0.465	0.020	94.1*	0.4	0	
14148+1006	KUI 66	—	2004.432	R	20	1.033	0.022	109.3*	0.6	0	AC: faint peaks
14148+1006	KUI 66	—	2006.477	R	20	1.013	0.008	108.4*	0.4	0	
14153+0308	STF1819	9182	2006.439	R	20	0.886	0.014	186.1*	0.7	1	



WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
14153+0308	STF1819	9182	2008.490	R	20	0.874	0.008	182.1*	0.5	1	
14153+0308	STF 1819	9182	2004.440	V	20	0.902	0.008	190.6!	1.1	1	
14203+4830	STF 1834	9229	2004.408	V	20	1.569	0.020	102.1!	0.5	1	HF <sub>n</sub> ,
14203+4830	STF1834	9229	2006.439	R	20	1.576	0.010	102.9	0.3	1	
14203+4830	STF1834	9229	2008.484	R	20	1.582	0.017	101.8*	0.3	1	
14220+5107	A 148	9238	2005.404	R	20	0.578	0.014	8.5	0.8	0	
14323+2641	A 570	9301	2004.380	V	10	0.175	0.003	283.3	1.2	1	NF R=nodata SR=nodata T=no
14323+2641	A 570	9301	2006.447	R	10	0.194	0.004	72.3	2.3	1	
14323+2641	A570	9301	2008.509	R	10	0.181	0.003	43.4	0.9	1	
14323+2641	A 570	9301	2004.380	V	10	—	—	—	—	1	HF <sub>n</sub> , NF,
14336+3535	STF1858AB	9312	2005.404	R	20	3.054	0.015	37.9*	0.3	0	
14336+3535	STF1858	9312	2008.509	R	20	3.046	0.015	37.9*	0.3	0	
14339+5514	STF1860	9315	2005.404	R	20	1.052	0.009	110.5*	0.3	0	
14369+4813	A 347	9324	2004.408	V	20	0.591	0.019	251.0!	1.4	1	
14369+4813	A347	9324	2008.509	R	20	0.556	0.017	244.9	1.6	1	
14369+4813	A 347	9324	2006.450	R	20	0.577	0.008	248.0	1.4	1	
14375+0217	CHR 42Aa	9323	2005.410	R	20	—	—	—	—	1	Ring around cent. peak
14375+0217	CHR 42Aa	9323	2005.410	R	10	0.232	0.010	157.8	3.3	1	Ring around central peak R=noda
14380+5135	STF1863	9329	2006.450	R	20	0.689	0.009	61.5*	0.4	0	
14380+5135	STF 1863	9329	2004.440	V	20	0.655	0.019	61.3*	1.1	0	
14380+5135	STF1863	9329	2008.484	R	20	0.653	0.008	61.9*	1.0	0	
14407+3117	STF1867	9340	2006.478	R	20	0.722	0.008	355.6	0.5	0	
14407+3117	STF 1867	9340	2004.443	V	20	0.730	0.012	178.2!	1.5	0	
14407+3117	STF1867	9340	2008.539	R	20	0.716	0.008	355.9	2.0	0	
14411+1344	STF 1865	9343	2004.380	V	10	0.681	0.007	118.3*	0.7	1	HF <sub>n</sub>
14411+1344	STF1865	9343	2008.484	R	10	0.594	0.004	295.9	0.4	1	
14411+1344	STF1865AB	9343	2006.448	R	10	0.642	0.003	296.9*	0.3	1	
14416+5124	STF 1871	9350	2004.440	V	20	1.860	0.009	129.7!	0.4	0	
14416+5124	STF1871	9350	2006.475	R	20	1.841	0.018	310.4	0.3	0	
14417+0932	STF1866	9345	2006.478	R	20	0.761	0.008	203.7	0.6	0	
14417+0932	STF 1866	9345	2004.443	V	20	0.770	0.017	205.0!	0.9	0	
14450+2704	STF1877AB	9372	2006.453	V	20	2.852	0.014	342.9*	0.3	0	Diffuse
14450+2704	STF1877	9372	2008.539	V	20	2.838	0.014	343.3*	0.3	0	
14450+2704	STF 1877	9372	2004.399	V	20	2.849	0.014	162.7*	0.3	0	
14455+4223	STT 285AB	9378	2005.404	R	10	0.473	0.003	96.2	0.5	1	
14455+4223	STT 285AB	9378	2007.542	R	20	0.472	0.016	92.5	0.5	1	
14463+0939	STF1879	9380	2008.490	W	20	1.728	0.010	83.6*	0.3	1	
14463+0939	STF 1879	9380	2004.443	V	20	1.708	0.019	264.5!	0.4	1	
14463+0939	STF1879AB	9380	2006.448	R	20	1.712	0.009	84.4*	0.3	1	
14471+0058	STF1881	9383	2005.442	R	20	3.438	0.017	0.3*	0.3	0	
14484+2422	STF 1884	9389	2004.440	V	20	2.141	0.012	55.2*	0.3	0	
14484+2422	STF1884	9389	2007.542	R	20	2.161	0.011	54.9*	0.3	0	
14489+0557	STF1883	9392	2008.490	R	20	0.897	0.014	279.5	0.4	1	
14489+0557	STF1883	9392	2006.475	R	20	0.915	0.008	279.2	0.3	1	
14489+0557	STF 1883	9392	2004.399	V	20	0.884	0.012	99.9!	0.5	1	
14497+0759	A 1110AB	9400	2007.543	R	20	0.683	0.008	243.5*	0.8	0	
14497+0759	A 1110 AB	9400	2005.404	R	20	0.673	0.011	243.9*	0.3	0	
14497+4843	STF1890	9406	2007.537	R	20	2.692	0.013	45.1*	0.3	0	
14497+4843	STF 1890	9406	2004.443	V	20	2.693	0.013	45.3*	0.3	0	
14506-0001	STF1885	9407	2005.404	R	20	4.045	0.029	145.2*	0.3	0	
14515+4456	STT 287	9418	2006.448	R	20	0.742	0.008	357.0	0.8	1	
14515+4456	STT287	9418	2008.490	W	20	0.732	0.008	357.5	0.7	1	
14515+4456	STT 287	9418	2004.443	V	20	0.780	0.027	176.1!	1.5	1	
14531+7811	HU 908AB	9445	2005.505	R	20	1.502	0.011	238.1*	0.3	0	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ ( $''$ )	$\sigma_\rho$ ( $''$ )	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
14534+1542	STT 288	9425	2006.497	R	20	1.111	0.008	162.7*	0.4	1	
14534+1542	STT 288	9425	2004.443	V	20	1.138	0.011	163.7*	0.7	1	
14534+1542	STT288	9425	2008.493	R	20	1.093	0.008	161.8*	0.3	1	
14536-0028	BU 942	9426	2006.499	W	20	1.388	0.028	185.7	1.3	0	
14568+7050	STF1905	9460	2005.470	R	20	2.853	0.014	340.9*	0.3	0	
14584+4403	STF1896AB	9461	2005.470	R	20	4.115	0.021	276.6*	0.3	0	
15018-0008	BU 348AB	9480	2005.464	R	10	0.489	0.003	107.9*	0.3	0	
15018-0008	BU 348AB	9480	2007.545	R	10	0.487	0.003	108.0*	0.3	0	
15038+4739	STF1909	9494	2005.442	R	20	1.946	0.013	56.8*	0.3	1	
15038+4739	STF1909	9494	2007.534	R	20	1.842	0.009	57.9*	0.3	1	
15056+1138	STF1907	9498	2005.464	R	20	0.910	0.008	351.1	0.3	0	
15056+1138	STF1907	9498	2007.537	W	20	0.913	0.008	350.6	0.3	0	
15075+0914	STF1910	9507	2005.442	R	20	4.018	0.020	211.0*	0.3	0	
15075+0914	STF1910	9507	2007.567	R	20	4.038	0.031	211.2*	0.3	0	
15087-0059	STF3090AB	9514	2005.486	R	20	0.688	0.016	285.8	0.8	0	
15116+1007	A 1116	9530	2007.545	W	20	0.808	0.008	50.9*	0.5	0	
15116+1007	A 1116	9530	2005.464	R	20	0.805	0.008	50.2*	0.4	0	
15121+1859	COU189	—	2008.509	R	20	0.405	0.011	139.8*	1.5	0	
15121+1859	COU 189	—	2005.464	R	10	0.477	0.007	141.5*	0.3	0	
15160-0454	STF3091AB	9557	2005.478	R	20	0.565	0.008	49.0*	0.7	1	
15183+2650	STF1932AB	9578	2007.534	R	20	1.621	0.010	262.1*	0.5	1	
15183+2650	STF1932Aa-B	9578	2005.442	R	20	1.618	0.012	261.6	0.3	1	
15210+0043	BU 32	9596	2005.464	R	20	3.329	0.017	21.8	0.3	0	
15210+0043	BU32	9596	2008.564	R	20	3.351	0.017	22.3*	0.3	0	NF
15210+2104	HU 146	9600	2007.534	R	20	0.677	0.039	125.0*	1.7	0	
15210+2104	HU 146	9600	2005.470	R	20	0.673	0.013	121.2	1.0	0	Faint
15232+3017	STF1937AB	9617	2005.443	R	10	0.504	0.003	113.2*	0.3	1	
15232+3017	STF1937AB	9617	2007.534	R	10	0.510	0.003	139.6*	0.3	1	
15245+3723	STF1938BC	9626	2008.493	R	20	2.262	0.011	6.3*	0.3	1	
15245+3723	STF1938BC	9626	2005.385	R	20	2.265	0.011	7.1*	0.3	1	
15245+3723	STF1938Ba,Bb	9626	2007.515	R	20	2.278	0.011	6.5*	0.4	1	
15245+3723	STF1938BC	9626	2006.497	R	20	2.269	0.023	6.6*	0.4	1	
15245+3723	STF 1938	9626	2004.440	V	20	2.270	0.011	7.4*	0.4	1	
"	"	"	2004.408	V	10000	—	—	—	—	1	NF,
15246+5413	HU 149	9628	2007.543	R	20	0.663	0.008	270.5*	0.3	0	
15246+5413	HU 149	9628	2005.478	R	20	0.649	0.010	90.4*	0.4	0	
15261+1810	STF1940	9634	2007.567	R	20	0.415	0.008	331.3	1.0	0	
15261+1810	STF1940	9634	2005.478	R	20	0.456	0.008	328.8	0.8	0	
15264+4400	STT 296AB	9639	2007.545	R	20	2.091	0.011	275.4*	0.5	0	
15264+4400	STT 296AB	9639	2005.486	R	20	2.102	0.011	275.8*	0.3	0	
15277+0606	STF1944	9647	2005.486	R	20	0.701	0.008	298.9	0.4	0	
15277+0606	STF1944	9647	2007.545	R	20	0.679	0.013	299.1	0.6	0	
15278+2906	JEF 1	—	2005.486	R	10	0.239	0.003	154.3*	0.8	1	
15278+2906	JEF 1	—	2007.515	R	10	0.288	0.003	144.2*	0.3	1	
15300+2530	STF1950	9675	2005.486	R	20	3.291	0.017	90.9*	0.3	0	
15300+2530	STF1950	9675	2007.570	R	20	3.297	0.016	90.7*	0.5	0	
15329+3122	COU 610	—	2005.465	R	10	0.809	0.004	199.3*	0.3	0	
15329+3122	COU 610	—	2007.515	R	10	0.815	0.004	199.1*	0.3	0	
15348+1032	STF1954AB	9701	2007.551	R	20	4.025	0.020	172.8*	0.3	1	
15348+1032	STF1954AB	9701	2005.465	R	20	3.982	0.020	173.3*	0.3	1	
15360+3948	STT 298AB	9716	2005.464	R	20	0.879	0.008	172.2*	0.3	1	
15360+3948	STT 298AB	9716	2007.551	R	20	0.979	0.008	175.4*	0.3	1	
15361+4849	HU 652	9718	2007.515	R	20	1.106	0.014	184.3	0.6	0	
15361+5531	A1124	9720	2008.591	W	20	1.420	0.008	142.3*	0.3	0	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
15361+5531	A 1124	9720	2006.499	R	20	1.399	0.027	141.0*	1.1	0	
15396+7959	STF1989	9769	2005.505	R	10	0.668	0.007	24.8	0.5	1	
"	"	"	2005.506	R	20	0.649	0.013	24.1*	2.1	1	
15396+7959	STF1989	9769	2007.551	R	20	0.670	0.008	25.3*	0.3	1	
15405+1840	A 2076	9742	2007.537	R	20	0.716	0.008	184.1	0.7	0	
15405+1840	A 2076	9742	2005.465	R	20	0.716	0.008	184.2	0.5	0	
15413+5959	STF1969	9756	2007.543	W	20	0.955	0.008	27.4*	0.4	1	
15413+5959	STF1969	9756	2005.536	R	20	0.910	0.008	27.6*	0.3	1	
15416+1940	HU580	9744	2008.509	V	10	—	—	—	—	1	NF, unres.
15416+1940	HU 580AB	9744	2005.536	V	10	0.154	0.004	255.8	2.1	1	
"	"	"	2005.538	V	10	0.153	0.006	259.0	2.5	1	
15427+2618	STF1967	9757	2007.537	R	10	0.697	0.006	112.9*	0.3	1	
15427+2618	STF1967	9757	2005.536	R	10	0.718	0.004	113.5*	0.3	1	
15432+1340	BU 619	9758	2005.536	R	10	0.651	0.007	1.4*	0.5	0	
15432+1340	BU 619	9758	2007.570	R	20	0.671	0.009	1.3*	0.9	0	Diffuse
15440+2220	COU 106	—	2005.538	R	20	0.329	0.015	95.3*	1.8	0	
15487+8337	STF2034	9853	2007.551	R	20	1.106	0.009	109.4*	0.4	0	
15492-0314	STF1974	9795	2008.509	W	20	2.437	0.012	159.0*	0.3	0	
15498+4431	BU 621	9802	2007.583	R	20	0.672	0.010	28.1*	1.0	0	
15509+1911	A 2078	9809	2007.581	W	20	1.060	0.008	162.6*	0.4	0	
15568+1229	STF1988	9850	2005.538	R	20	1.906	0.013	250.6*	0.6	0	
15568+1229	STF1988	9850	2007.581	R	20	1.885	0.010	250.6*	0.6	0	
15589+2147	STF1990	9865	2008.539	W	20	4.019	0.020	26.1*	0.3	0	Elongated
16009+1316	STT303	9880	2008.564	R	20	1.555	0.008	172.6*	0.3	0	
16009+1316	STT 303AB	9880	2005.538	R	20	1.521	0.023	172.2*	0.3	0	
16009+1316	STT 303AB	9880	2007.515	R	20	1.533	0.011	172.1*	0.3	0	
16030+1359	STF2000	9904	2007.534	R	20	2.564	0.013	227.1*	0.3	0	
16133+1332	STF2021AB	9969	2007.551	R	20	4.107	0.021	355.6*	0.3	1	
16133+1332	STF2021Aa-B	9969	2005.596	R	20	4.063	0.020	355.3*	0.3	1	
16135+7147	A 1136	9985	2007.570	W	20	0.727	0.011	8.6*	1.0	0	
16137+4638	A 1642	9975	2007.534	R	20	0.753	0.009	182.1*	0.5	1	
16145+0531	STF2023	9974	2007.534	R	20	1.925	0.010	223.8*	0.3	0	
16153+0416	STF2027	9980	2007.534	R	20	1.894	0.019	80.8	0.4	0	
16160+0721	STF2026	9982	2007.537	W	20	3.385	0.017	17.9*	0.3	1	
16231+4738	STF2047	10038	2005.607	R	20	1.829	0.018	324.6*	0.3	0	
16231+4738	STF2047	10038	2007.545	R	20	1.836	0.019	324.1	0.3	0	
16238+6142	STF2054AB	10052	2007.543	R	20	0.985	0.008	351.1*	0.3	0	
16238+6142	CHR 138Aa	10052	2005.604	R	20	1.000	0.009	351.1*	0.8	0	
16279+2559	STF2049	10070	2005.536	R	20	1.132	0.008	194.9*	0.5	0	
16279+2559	STF2049	10070	2007.551	R	20	1.125	0.008	194.6*	0.5	0	
16280+2632	BU 813	10071	2006.497	R	20	1.185	0.012	175.8	0.3	0	
16280+2632	BU813	10071	2008.539	W	20	1.154	0.010	175.5*	0.9	0	
16289+1825	STF2052AB	10075	2007.543	R	20	2.209	0.011	121.3*	0.3	1	
16289+1825	STF2052	10075	2008.539	R	20	2.215	0.011	120.5*	0.3	1	
16289+1825	STF2052AB	10075	2005.536	R	20	2.137	0.012	121.4*	0.3	1	
16309+0159	STF2055AB	10087	2005.536	V	20	1.427	0.008	33.9*	0.6	1	
16309+0159	STF2055AB	10087	2007.543	V	20	1.413	0.008	35.3*	0.3	1	
16309+3804	STF2059	10093	2005.607	R	20	0.435	0.016	187.0	2.9	0	
16309+3804	STF2059	10093	2007.551	R	20	0.376	0.012	185.9	1.0	0	
16326+2314	BU 817	10107	2006.497	W	20	0.955	0.012	327.2	1.3	0	
16326+2314	BU817	10107	2008.588	W	20	0.936	0.013	327.8*	1.5	0	
16326+4007	STT 313	10111	2005.604	R	20	0.931	0.008	130.8*	0.3	0	
16326+4007	STT 313	10111	2007.551	R	20	0.931	0.008	130.2*	0.3	0	
16362+5255	STF2078AB	10129	2005.604	R	20	3.155	0.017	104.2*	0.3	0	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
16362+5255	STF2078AB	10129	2007.567	R	20	3.151	0.016	104.0*	0.3	0	
16413+3136	STF2084	10157	2006.642	R	10	1.019	0.005	208.7*	0.5	1	
16413+3136	STF2084	10157	2008.539	V	20	1.069	0.008	190.5*	0.5	1	
16438+5133	HU 664	10189	2007.567	R	20	0.498	0.009	303.2	1.4	0	
16442+2331	STF2094AB	10184	2006.655	R	20	1.185	0.008	72.7*	0.6	0	
16442+2331	STF2094	10184	2008.588	R	20	1.173	0.011	72.1	0.3	0	
16448+3544	STF2097AB	10193	2007.570	W	20	1.930	0.017	79.2*	0.6	0	
16458+3538	STF2101AB	10203	2007.594	R	20	4.104	0.021	47.7*	0.3	0	
16483+0244	BU 43	10217	2007.581	W	20	1.373	0.014	55.5*	0.4	0	
16511+0924	STF2106	10229	2008.564	R	20	0.733	0.008	173.8*	0.7	1	
16511+0924	STF2106	10229	2006.497	R	20	0.716	0.008	174.2*	0.8	1	
16514+0113	STT 315	10230	2007.567	R	20	0.633	0.008	314.0*	0.3	1	
16518+2840	STF2107AB	10235	2006.680	R	20	1.452	0.008	99.6*	0.3	1	
16518+2840	STF2107	10235	2008.564	R	20	1.427	0.011	100.9*	0.3	1	
16540+2906	A 350	10253	2007.581	W	20	0.580	0.014	146.8*	1.0	0	
16541+0826	HEI 857	—	2005.607	R	20	0.532	0.020	143.2	1.8	0	
16541+0826	HEI857	—	2008.588	R	20	0.558	0.008	142.9	0.8	0	
16541+0826	HEI 857	—	2006.680	R	20	0.563	0.008	142.2*	0.5	0	
16564+6502	STF2118AB	10279	2006.639	R	20	1.067	0.008	66.2*	0.3	1	
16564+6502	STF2118	10279	2008.564	R	20	1.051	0.008	66.1*	0.3	1	
16564+6502	STF2118AB	10279	2005.604	R	20	1.091	0.008	66.7*	0.4	1	
16564+6502	STF 2118	10279	2004.692	V	20	1.077	0.015	66.4*	0.3	1	
16564+6502	STF2118AB	10279	2007.545	R	20	1.054	0.008	66.5	0.3	1	
16567+1408	STT 318	10270	2007.551	W	20	2.811	0.014	242.9*	0.3	0	
16581+1509	STT 319	10277	2007.567	R	20	0.847	0.008	64.3	0.8	0	
16581+1509	STT 319	10277	2005.607	R	20	0.863	0.008	64.7*	0.8	0	
16588+0358	STF3107AB	10285	2007.545	W	20	1.443	0.008	73.1*	0.4	0	
16594+1419	STT 321	10294	2007.567	W	20	0.584	0.008	14.2*	0.9	0	
17020+0827	STF2114	10312	2008.591	R	20	1.332	0.008	194.4*	0.3	0	
17020+0827	STF2114	10312	2006.674	R	20	1.343	0.008	193.8*	0.3	0	
17020+0827	STF2114	10312	2007.690	R	20	1.334	0.014	194.4*	0.3	0	
17047+1936	PRY 2AB	10326	2007.592	R	20	1.843	0.009	228.2*	0.3	0	
17053+5428	STF2130AB	10345	2007.567	R	20	2.363	0.012	10.6*	0.3	1	
17053+5428	STF2130	10345	2008.564	R	20	2.384	0.012	9.7*	0.3	1	
17053+5428	STF2130AB	10345	2006.639	R	20	2.360	0.012	11.8*	0.3	1	
17053+5428	STF2130AB	10345	2005.604	R	20	2.344	0.012	12.8*	0.3	1	
17053+5428	STF 2130	10345	2004.690	V	20	2.327	0.012	14.0*	0.3	1	
17082-0105	A 1145	10355	2007.592	R	20	0.658	0.011	349.0*	0.7	1	
17096+0356	HEI 894	—	2007.592	R	20	0.549	0.012	21.7	1.3	0	
17096+0356	HEI 894	—	2006.696	R	20	0.553	0.009	21.8*	0.8	0	
17131+5408	STF2146AB	10410	2007.581	W	20	2.680	0.017	224.4*	0.4	0	
17131+5408	STF2146AB	10410	2005.661	R	20	2.669	0.013	223.8*	0.3	0	
17166-0027	A 2984	10429	2007.592	R	20	0.839	0.008	11.7*	0.5	1	
17195+5832	KR46	—	2008.640	W	20	1.675	0.020	63.2*	0.3	0	
17195+5832	KR 46	10487	2006.642	R	20	1.695	0.010	63.3*	0.6	0	
17237+3709	MCA 48Aa,Ab	10526	2007.594	R	10	0.218	0.013	31.7	3.6	0	Diffuse
17237+3709	STF2161Aa-B	10526	2007.594	R	20	4.036	0.020	319.5*	0.3	0	
17239+3627	STF2162	10527	2006.674	R	20	1.355	0.010	282.2	0.7	0	
17239+3627	STF2162	10527	2008.591	W	20	1.341	0.008	283.8	0.3	0	
17240-0050	STF2156	10518	2007.594	W	20	3.769	0.019	35.9*	0.3	0	Elongated
17240+3835	HU1179	10531	2008.588	R	10	0.272	0.003	273.5	0.3	1	
17240+3835	HU 1179	10531	2004.690	R	10	0.257	0.004	96.0!	1.3	1	
17240+3835	HU 1179	10531	2006.675	R	10	0.247	0.006	274.4	0.3	1	
17246+1536	STF2160	10528	2007.668	R	20	3.780	0.019	65.9*	0.3	0	NF

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb. Notes
17246+1536	STF2160	10528	2005.607	R	20	3.838	0.019	65.7	0.3	0
17266+3546	STF2168	10558	2007.581	W	20	2.319	0.012	201.2*	0.3	0
17266+3546	STF2168	10558	2005.604	R	20	2.293	0.011	201.6*	0.4	0
17290+5052	STF 2180	10597	2004.690	R	20	3.064	0.017	259.3*	0.3	0
17290+5052	STF2180	10597	2007.567	R	20	3.041	0.018	259.3*	0.3	0
17304-0104	STF2173	10598	2008.588	R	10	0.650	0.005	158.1*	0.4	1
17304-0104	STF2173	10598	2004.673	V	10	0.207	0.006	190.9	0.6	1
17304-0104	STF2173	10598	2006.680	R	10	0.451	0.003	166.2*	0.3	1
17320+0249	STT 331AB	10614	2005.664	R	20	1.029	0.012	350.3	2.2	0
17320+0249	STT 331AB	10614	2007.584	W	20	1.013	0.008	349.8*	0.3	0
17350+6153	BU 962	10660	2004.692	R	20	1.450	0.010	146.5*	0.4	1
17350+6153	BU 962AB	10660	2007.655	R	20	1.222	0.008	322.0*	0.3	1
17358+0100	STF2186	10650	2006.639	R	20	3.022	0.015	78.2*	0.3	0
17358+0100	STF2186	10650	2008.588	W	20	3.005	0.015	77.8*	0.3	0
17386+5546	STF2199	10699	2006.694	R	20	2.007	0.010	56.5*	0.3	1
17386+5546	STF 2199	10699	2004.692	R	20	1.996	0.012	57.1*	0.3	1
17386+5546	STF2199	10699	2008.589	W	20	2.004	0.010	56.2*	0.3	1
17397+7256	H141	10734	2008.648	R	20	1.021	0.013	335.4	0.4	0
17397+7256	H 1 41	10734	2006.639	R	20	1.036	0.008	336.0*	0.4	0
17399+0748	HDS2499	—	2006.639	R	20	0.680	0.008	239.3*	0.9	0
17399+0748	HDS2499	—	2008.591	R	20	0.662	0.008	240.7*	0.5	0
17400-0038	BU 631	10696	2007.671	R	10	0.260	0.005	89.8	0.5	1
17400-0038	BU631	10696	2008.665	R	10	0.264	0.003	87.3	0.4	1
17403+6341	STF 2218	10728	2004.692	R	20	1.511	0.011	133.0*	0.5	0
17403+6341	STF2218	10728	2007.595	R	20	1.494	0.008	312.4*	0.3	0
17412+4139	STF2203	10722	2007.567	R	20	0.743	0.009	294.0	0.8	0
17434+3357	HO 560	10742	2007.592	W	20	1.320	0.008	262.9*	0.3	0
17434+3357	HO 560	10742	2005.607	R	20	1.309	0.012	263.6	0.3	0
17436+2237	HU1285	10743	2008.591	W	20	0.543	0.008	214.1	1.0	1
17436+2237	HU 1285	10743	2006.677	R	20	0.546	0.008	215.0*	0.4	1
17439+0551	STF2200	10741	2008.640	W	20	1.566	0.009	162.5*	0.4	0
17439+0551	STF2200AB	10741	2006.677	R	20	1.594	0.008	162.8*	0.3	0
17457+1743	STF2205	10769	2008.591	W	20	1.044	0.013	0.3*	0.8	1
17457+1743	STF2205	10769	2006.696	R	20	1.076	0.008	358.3*	0.3	1
17464+0542	STF2212	10779	2007.671	W	20	3.226	0.016	340.4*	0.3	0
17471+1742	STF2215	10795	2008.640	R	20	0.503	0.008	252.8*	1.6	1
17471+1742	STF2215	10795	2006.677	R	10	0.505	0.003	254.8*	0.3	1
17506+0714	STT 337	10828	2005.662	R	20	0.518	0.017	167.9*	1.1	1
17506+0714	STT 337	10828	2007.592	R	20	0.541	0.009	168.2	1.3	1
17506+0714	STT337	10828	2008.665	R	20	0.543	0.020	166.6	1.0	1
17512+4454	STF2242	10849	2007.655	R	20	3.387	0.017	326.0	0.3	0
17520+1520	STT 338AB	10850	2007.655	R	20	0.825	0.008	165.5	0.3	0
17520+1520	STT338	10850	2008.659	R	20	0.821	0.008	165.6*	0.4	0
17533+3605	STF2243	10874	2006.642	R	20	1.141	0.014	39.8	0.6	0
17533+3605	STF2243	10874	2008.640	W	20	1.119	0.011	39.7*	0.5	0
17533+4000	BU 130	10875	2007.655	R	20	1.579	0.016	110.6*	0.3	0
17541+2949	AC 9	10880	2005.662	R	20	1.111	0.018	240.8	0.4	0
17541+2949	AC 9	10880	2007.655	W	20	1.097	0.008	241.1*	0.4	0
17564+1820	STF 2245	10905	2004.690	R	20	2.617	0.017	291.2*	0.3	0
17564+1820	STF2245AB	10905	2007.655	R	20	2.623	0.013	111.1*	0.3	0
17571+0004	STF2244	10912	2008.640	R	20	0.630	0.008	97.9*	0.8	1
17571+0004	STF2244	10912	2006.680	R	10	0.611	0.003	97.8*	0.4	1
17571+4551	HU 235	10934	2005.662	R	20	1.595	0.014	283.2*	0.6	0
17571+4551	HU235	10934	2008.649	R	20	1.598	0.013	283.8*	0.3	0

HFN R=0.209 SR=0.003 T=189.  
Elongated

Elongated

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
17571+4551	HU 235	10934	2006.680	R	20	1.608	0.008	282.9*	0.3	0	
17590+0202	STF2252	10945	2008.659	W	20	3.885	0.029	203.7*	0.3	0	
17590+0202	STF2252AB	10945	2006.696	R	20	3.958	0.020	23.5	0.3	0	
17590+1226	STF2254AB	10949	2006.675	W	20	3.502	0.018	265.6*	0.3	0	Diffuse
17590+1226	STF2254	10949	2008.659	W	20	3.491	0.017	265.9	0.3	0	
18003+5251	STF2271AB	10988	2006.677	R	20	3.395	0.017	267.1*	0.3	0	
18003+5251	STF2271	10988	2008.649	W	20	3.371	0.026	87.1*	0.3	0	Elongated
18014+6557	STF2284	11016	2007.685	R	20	3.594	0.023	191.5*	0.3	0	NF
18017+4011	STF2267	11001	2008.649	R	20	0.560	0.022	271.9	0.6	0	
18017+4011	STF2267	11001	2006.642	R	20	0.567	0.008	269.9	0.5	0	
18018+0118	BU 1125AB	10990	2007.668	R	10	0.508	0.003	135.4*	0.6	1	
18025+4414	BU 1127Aa-B	11010	2006.639	R	20	0.775	0.008	55.2*	0.7	1	
18025+4414	BU1127	11010	2008.640	R	20	0.742	0.008	52.7*	1.0	1	
18065+4022	STF2282	11074	2008.670	R	20	2.744	0.014	80.0*	0.4	0	Outer Peaks
18065+4022	STF2282	11074	2008.670	R	20	0.183	0.015	47.6	3.7	0	New Component?
18065+4022	STF2282	11074	2006.639	R	20	2.657	0.013	81.8*	0.4	0	
18065+4022	STF2282	11074	2008.670	R	20	2.592	0.013	82.2*	0.3	0	Inner Peaks
18070+3034	AC 15 Aa ?	11077	2005.708	R	20	0.228	0.015	50.0!	3.2	0	Dubious, new comp.
18070+3034	AC 15AB	11077	2007.668	R	20	1.008	0.013	305.2*	0.3	1	
18070+3034	AC 15AB	11077	2005.708	R	20	0.855	0.017	298.9*	0.9	1	Very faint, dubious
18096+0400	STF2281	11111	2008.665	R	20	0.630	0.008	289.4*	0.5	1	
18096+0400	STF2281AB	11111	2006.718	W	10	0.602	0.010	291.0*	0.7	1	
"	"	"	2006.721	R	20	0.588	0.008	290.8*	1.0	1	
18096+0609	STF2283	11110	2007.668	R	20	0.609	0.008	56.2	1.6	0	
18096+0609	STF2283	11110	2005.708	R	20	0.620	0.026	57.7*	1.9	0	
18097+5024	HU674	11128	2008.665	R	20	0.747	0.008	216.3*	0.4	1	
18097+5024	HU 674	11128	2006.677	R	20	0.753	0.008	216.1*	0.7	1	
18101+1629	STF2289	11123	2006.694	R	20	1.231	0.008	219.2*	0.3	1	
18101+1629	STF2289	11123	2008.665	R	20	1.212	0.008	219.1*	0.6	1	
18113+6915	STF2307	11178	2007.685	W	20	4.398	0.071	205.4*	0.3	0	
18118+3327	HO 82AB-C	11149	2005.735	R	20	0.686	0.019	216.4*	1.5	0	
18118+3327	HO 82AB-C	11149	2007.668	R	20	0.712	0.011	218.4*	0.7	0	
18121+2739	STF2292	11155	2005.604	R	20	0.907	0.034	273.4	0.7	0	
18121+2739	STF2292	11155	2007.671	R	20	0.899	0.008	273.9	0.5	0	
18126-0329	A 83	11154	2007.690	W	20	0.752	0.014	303.4	0.8	0	
18126+3836	BU 1091	11170	2007.668	W	20	0.719	0.008	320.5*	0.6	0	
18126+3836	BU 1091	11170	2005.708	R	20	0.695	0.013	321.9	1.1	0	
18126+3836	BU1091	11170	2008.665	R	20	0.717	0.015	319.9	0.7	0	
18146+0011	STF 2294	11186	2004.687		20	1.274	0.020	273.2*	0.3	1	
18146+0011	STF2294	11186	2006.696	R	20	1.295	0.014	92.6	0.6	1	
18146+0011	STF2294	11186	2008.665	W	20	1.321	0.019	92.4*	0.3	1	
18208+7120	STT 353AB	11311	2006.699	R	10	0.480	0.004	267.6*	0.3	1	
18208+7120	STT353	11311	2008.670	R	10	0.484	0.003	266.4*	0.4	1	
18218+2130	BU 641	11287	2007.671	R	20	0.798	0.008	341.0*	0.6	0	
18238+5139	ES 187AB	11328	2006.642	R	20	2.561	0.014	206.0	0.3	0	
18238+5139	ES187	11328	2008.670	W	20	2.583	0.013	205.6*	0.6	0	
18238+5139	ES 187AB	11328	2005.708	R	20	2.587	0.013	205.3	0.3	0	
18239+5848	STF2323AB	11336	2007.685	R	20	3.757	0.056	348.5*	0.3	1	NF
18250-0135	AC11	11324	2008.670	R	20	0.882	0.008	355.3*	0.7	1	
18250-0135	AC 11	11324	2006.696	R	20	0.873	0.008	354.7*	0.3	1	
18250+2724	STF2315	11334	2008.589	R	20	0.646	0.008	119.6*	0.6	1	
18250+2724	STF2315AB	11334	2006.696	R	10	0.642	0.003	121.2	0.3	1	
18253+4846	HU 66BC	11344	2007.671	R	20	0.928	0.008	28.0	0.6	1	
18253+4846	HU 66AB	11344	2007.671	R	20	0.183	0.011	222.5	2.2	1	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
18253+4846	STT 351AC	11344	2007.671	R	20	0.753	0.011	24.6	0.8	0	
18253+4846	STT 351	11344	2004.690	R	20	0.816	0.016	25.3!	1.0	0	
18261+0047	BU1203	11339	2008.692	R	20	0.499	0.020	156.6	1.4	1	
18261+0047	BU 1203	11339	2006.726	R	20	0.459	0.009	153.9*	0.5	1	
18269+0625	STT 350AB	11349	2007.687	R	20	1.853	0.011	165.7*	0.4	0	
18272+0012	STF2316	11353	2008.711	R	20	3.676	0.020	319.7*	0.3	0	NF
18272+0012	STF2316Aa-B	11353	2006.726	R	20	3.681	0.018	319.8*	0.3	0	
18278+2442	STF2320	11373	2007.688	R	20	1.119	0.011	359.4*	0.3	0	
18278+2442	STF2320	11373	2005.735	R	20	1.106	0.011	359.6*	0.5	0	
18295+2955	STF2328AB	11397	2005.735	R	20	3.698	0.022	71.7	0.3	0	
"	"	"	2005.735	W	20	3.678	0.018	71.4*	0.3	0	
18295+2955	STF2328AB	11397	2007.688	W	20	3.698	0.018	71.4*	0.3	0	2007.6875
18310+0123	STF2324AB	11410	2007.688	W	20	2.393	0.035	148.5*	0.3	0	
18314+0628	STF2329	11420	2007.688	W	20	4.283	0.021	43.2*	0.4	0	
18320+0647	STT 354	11432	2006.699	R	20	0.610	0.008	210.8	1.3	0	
18320+0647	STT 354	11432	2007.723	R	20	0.592	0.008	209.0	1.2	0	
18338+1744	STF2339AB-CD	11454i	2006.699	R	20	1.632	0.014	276.4*	0.4	0	Double(inner peaks)
"	"	"	2006.715	W	20	1.640	0.008	275.3*	0.5	0	Double(inner peaks)
"	"	"	2006.716	R	20	1.627	0.008	275.8*	0.4	0	Double(inner peaks)
"	"	"	2006.715	W	10	—	—	—	—	0	Too diffuse
18338+1744	STF2339AB-CD	11454o	2006.699	R	20	2.081	0.010	273.5*	0.4	0	Double(outer peaks)
"	"	"	2006.716	R	20	2.058	0.013	273.7*	0.4	0	Double(outer peaks)
18338+1744	STF2339	11454	2008.659	R	20	0.474	0.008	262.4*	0.9	0	(WAK 21CD)
"	"	"	2008.733	R	20	0.493	0.020	262.9*	1.4	0	(WAK 21CD)
18338+1744	STF2339	11454	2008.659	R	20	1.615	0.010	275.8*	0.3	0	(STF2339 AB-C), Inner Peak
"	"	"	2008.733	R	20	1.591	0.017	275.7*	0.4	0	(STF2339AB-C), Inner Peak
18338+1744	STF2339	11454	2008.659	R	20	2.079	0.012	272.7*	0.3	0	(STF2339AB-D), Outer Peak
"	"	"	2008.733	R	20	2.074	0.010	272.7*	0.6	0	(STF2339AB-D), Outer Peak
18339+5221	A 1377AB	11468	2006.677	R	10	0.251	0.005	120.7*	0.6	1	Elongated
18339+5221	A1377	11468	2008.711	R	10	0.239	0.003	123.2*	0.4	1	
18355+2336	STT359	11479	2008.692	R	20	0.738	0.008	5.2*	1.0	1	
18355+2336	STT 359	11479	2006.639	R	10	0.729	0.004	5.6	0.3	1	
18359+1659	STT 358AB	11483	2006.675	R	20	1.655	0.008	151.8*	0.3	1	
18359+1659	STT358	11483	2008.692	R	20	1.653	0.011	151.1*	0.5	1	
18360+1144	STT 357	11484	2007.693	W	10	0.386	0.005	78.3	1.4	1	NF
"	"	"	2007.698	W	10	0.389	0.008	78.2	1.5	1	
"	"	"	2007.701	W	10	0.375	0.004	78.7	0.6	1	
18374+7741	STT 363	11584	2006.726	R	20	0.431	0.013	336.9	0.7	1	
18374+7741	STT363	11584	2008.711	R	20	0.455	0.008	339.2*	0.9	1	
18384+0850	HU 198	11524	2007.690	R	20	0.483	0.013	128.1	0.4	1	
18384+2842	STF2356	11529	2008.660	W	20	1.133	0.008	62.3*	0.9	0	
18384+2842	STF2356	11529	2006.642	R	20	1.125	0.010	62.8	0.5	0	
18384+3603	STF2362	11534	2007.690	R	20	4.317	0.036	186.6*	0.3	0	
18387+0451	STT360	11526	2008.711	W	20	1.674	0.020	281.3*	0.3	0	
18387+0451	STT 360	11526	2006.743	R	20	1.672	0.008	281.4*	0.3	0	
18389+5221	STF2368AB	11558	2007.655	R	20	1.897	0.013	140.5*	0.3	0	
18393+2056	STF2360	11546	2008.660	W	20	2.413	0.012	358.4*	0.3	0	
18393+2056	STF2360	11546	2006.677	R	20	2.432	0.012	358.3*	0.3	0	
18413+3018	STF2367AB	11579	2007.769	R	10	0.382	0.004	75.8*	1.1	1	
18413+3018	STF2367AB	11579	2006.743	R	10	0.378	0.003	75.4	0.5	1	
18443+3940	STF2382AB	11635	2007.728	R	20	2.363	0.015	348.7*	0.5	1	
"	"	"	2007.778	R	20	2.383	0.017	348.6*	0.3	1	
18443+3940	STF2383Cc-D	11635	2007.728	R	20	2.399	0.023	78.9*	0.3	1	
"	"	"	2007.775	R	20	2.398	0.014	79.0*	0.9	1	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ ( $''$ )	$\sigma_\rho$ ( $''$ )	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
18443+3940	STF2383Cc-D	11635	2006.675	R	20	2.381	0.012	79.5*	0.3	1	
18443+3940	STF2382	11635	2008.670	R	20	2.344	0.012	347.9*	0.3	1	
18443+3940	STF2382	11635	2008.670	R	20	2.370	0.012	78.7*	0.3	1	
18443+3940	STF2382AB	11635	2006.675	R	20	2.380	0.012	348.8*	0.3	1	
18443+6103	STF2403	11661	2006.680	R	20	1.091	0.008	277.2*	0.3	0	
18443+6103	STF2403	11661	2008.660	R	20	1.093	0.014	278.0*	0.3	0	
18455+0530	STF2375AB	11640	2007.655	R	20	2.540	0.013	119.0*	0.3	0	
18458+3431	STF2390	11669	2005.774	R	20	4.191	0.021	155.1*	0.3	0	
18458+3431	STF2390	11669	2007.690	R	20	4.195	0.029	155.2*	0.3	0	
18469+5920	STF2410	11697	2007.693	R	20	1.678	0.016	86.1	0.7	0	
18469+5920	STF2410	11697	2005.708	R	20	1.694	0.014	86.4	0.4	0	
18472+3125	STF2397	11685	2005.774	R	20	3.913	0.022	266.5*	0.3	0	
18472+3125	STF2397	11685	2007.693	W	20	3.883	0.028	266.9*	0.3	0	NF
18477+4904	HEI 72	—	2006.724	R	20	0.618	0.008	231.4*	0.6	0	
18477+4904	HEI72	—	2008.671	R	20	0.642	0.012	232.9*	0.5	0	
18490+2110	STF2401AB	11715	2006.724	W	20	4.248	0.021	37.7*	0.3	0	
18490+2110	STF2401	11715	2008.777	W	20	4.316	0.103	37.6*	0.3	0	
18497+1041	STF2402	11722	2006.784	R	20	1.455	0.008	208.8*	0.6	0	
18497+1041	STF2402	11722	2008.712	W	20	1.428	0.012	208.2*	0.5	0	
18502+1131	BU265	11735	2008.747	W	20	1.368	0.014	228.4*	0.7	0	
18502+1131	BU 265	11735	2006.784	R	20	1.390	0.013	228.4*	0.3	0	
18508+1059	STF2404	11750	2008.665	R	20	3.534	0.018	181.1*	0.3	0	
18508+1059	STF2404	11750	2006.694	R	20	3.534	0.018	181.2*	0.3	0	
18520+1047	STF2408	11766	2008.711	W	20	2.275	0.029	90.7*	0.3	0	
18520+1047	STF2408	11766	2006.784	W	20	2.286	0.011	90.7*	0.3	0	Elongated
18521+1148	HU199	11769	2008.747	W	20	0.877	0.008	346.8*	0.7	0	
18521+1148	HU 199	11769	2006.789	R	20	0.884	0.011	345.6*	1.0	0	
18526+1400	STF2412	11778	2008.747	W	20	1.448	0.008	235.8*	0.4	0	
18526+1400	STF2412	11778	2006.694	R	20	1.449	0.008	55.9	0.3	0	
18540+3723	BU 137AB	11811	2007.698	R	20	1.571	0.011	162.4	0.5	0	
18540+3723	BU 137AB	11811	2005.793	R	20	1.536	0.012	161.6*	0.3	0	
18545+2037	STF2415	11816	2007.690	R	20	1.972	0.020	289.7*	0.5	0	
18545+2037	STF 2415	11816	2004.690	R	20	1.979	0.013	110.2*	0.3	0	
18549+3358	STT 525 AB	11834	2005.776	R	20	1.766	0.013	129.1*	0.4	0	
18549+3358	STT 525AB	11834	2007.698	R	20	1.791	0.016	129.8*	0.3	0	NF
18555+2914	STF2419	11847	2008.777	W	20	3.368	0.056	177.2*	0.5	0	
18555+2914	STF2419	11847	2006.789	R	20	3.363	0.017	176.9*	0.3	0	
18559+0323	A 2193	11844	2007.698	W	20	0.884	0.014	354.3	0.6	0	
18570+3254	BU 648AB	11871	2006.721	R	20	0.898	0.008	268.8*	0.3	1	
18570+3254	BU648	11871	2008.777	R	20	0.989	0.014	259.7*	0.7	1	
18571+2606	STF2422	11869	2007.668	R	20	0.752	0.008	69.6	0.7	0	
18575+5814	STF2438	11897	2008.777	R	20	0.852	0.008	358.8*	0.3	1	
18575+5814	STF2438	11897	2006.716	R	20	0.867	0.008	359.6*	0.3	1	
18576+3209	A 260	11879	2007.698	W	20	0.907	0.009	244.5	0.7	0	
18576+3209	A 260	11879	2005.793	R	20	0.903	0.014	244.7	0.6	0	
18581+4711	AG 366	11899	2007.698	R	20	1.494	0.015	190.8	0.4	0	
18581+4711	AG 366	11899	2005.708	R	20	1.494	0.034	192.2	0.8	0	
18588+0207	MIL 6	11891	2007.701	W	20	0.546	0.017	86.2	0.6	0	
18594+2936	STF2430	11914	2007.699	W	20	1.544	0.012	186.7*	0.3	0	
18594+2936	STF2430	11914	2005.787	R	20	1.559	0.018	187.3	0.7	0	
19019+1910	STF2437	11956	2008.772	R	20	0.587	0.008	9.5	1.3	0	
19019+1910	STF2437	11956	2006.743	R	20	0.580	0.016	11.1	0.3	1	
19019+1910	STF2437	11956	2005.662	R	20	0.577	0.015	12.9	0.8	0	
19019+1910	STF2437	11956	2007.668	R	20	0.592	0.014	11.2	1.6	1	



WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb. Notes
19024+6927	STF2478	12015	2006.680	W	20	0.953	0.008	313.6*	0.5	0
19024+6927	STF2478	12015	2008.772	W	20	0.932	0.008	313.3	0.3	0
19030+5135	STF2451	11997	2008.772	W	20	1.972	0.010	82.1*	0.3	0
19030+5135	STF2451	11997	2006.677	W	20	1.984	0.010	81.9*	0.4	0
19037+3545	STF2448	12002	2007.701	R	20	2.466	0.017	190.6	0.3	0
19037+3545	STF2448	12002	2005.774	R	20	2.469	0.019	191.4	0.3	0
19042+3245	BRD 4	12008	2007.701	W	20	2.535	0.013	310.6*	0.3	0
19042+3245	BRD 4	12008	2005.793	R	20	2.549	0.013	310.4	0.3	0
19052+1050	BU466	12021	2008.777	W	20	1.923	0.023	164.8*	0.3	0
19052+1050	BU 466	12021	2006.669	W	20	1.916	0.010	163.8*	0.3	0
19055+3352	HU940	12033	2008.774	W	20	0.493	0.011	194.1*	1.0	1
19055+3352	HU 940	12033	2007.701	R	20	0.533	0.035	196.1	2.3	1
19055+3352	HU 940	12033	2005.793	R	20	0.521	0.017	196.7	1.7	1
19062+3026	STF2454AB	12040	2006.822	W	20	1.326	0.019	288.6*	0.5	1
19062+3026	STF2454	12040	2008.774	R	20	1.315	0.014	288.2	0.5	1
19070+1104	HEI 568	—	2005.662	R	10	0.291	0.008	279.5*	0.7	0
19070+1104	HEI 568	—	2006.724	R	10	0.304	0.004	274.9*	0.4	0
19070+1104	HEI 568	—	2007.723	R	10	0.301	0.004	273.0*	0.3	0
19070+1104	HEI 568	—	2005.774	R	10	0.298	0.011	278.8	0.8	0
19071+7204	STT 369	12113	2006.721	R	20	0.695	0.011	11.3*	0.5	0
19071+7204	STT369	12113	2008.774	R	20	0.701	0.008	10.6*	0.4	0
19078+3856	STF2469AB	12075	2007.723	R	20	1.262	0.022	127.2*	0.5	0
19078+3856	STF2469AB	12075	2005.820	R	20	1.241	0.014	125.3*	0.3	0
19079+2948	STF2466AB	12071	2005.820	R	20	2.395	0.015	102.3*	0.3	0
19079+2948	STF2466AB	12071	2007.723	W	20	2.384	0.012	102.6*	0.6	0
19083+5520	D19	12104	2008.774	R	20	0.481	0.020	347.6*	0.7	0
19083+5520	D 19AB	12104	2006.726	R	20	0.511	0.016	348.6*	1.1	0
19114+2116	A 151	12140	2006.819	R	20	0.574	0.011	156.2	0.7	0
19114+2116	A151	12140	2008.774	W	20	0.611	0.008	158.4*	1.3	0
19126+1651	BU 139AB	12160	2007.655	R	20	0.649	0.014	134.3	0.6	0
19143+1904	STF2484	12201	2006.694	R	20	2.163	0.011	238.9*	0.3	1
19143+1904	STF2484	12201	2008.665	W	20	2.147	0.018	239.0*	0.3	1
19148+4756	A706	12229	2008.747	W	20	1.567	0.011	73.6*	0.4	0
19148+4756	A 706	12229	2006.789	R	20	1.600	0.014	73.4	0.5	0
19159+2727	STT 371AB	12239	2007.688	R	20	0.889	0.011	160.1*	0.4	0
19160+1610	STT 368AB	12236	2005.735	R	20	1.139	0.011	218.1*	0.4	0
19160+1610	STT 368AB	12236	2007.723	R	20	1.146	0.009	218.7	0.8	0
19169+6312	STF 2509	12296	2004.753	R	20	1.790	0.009	148.4*	0.3	0
19169+6312	STF2509	12296	2007.688	R	20	1.798	0.009	328.7*	0.3	0
19177+2302	BU 248AB	12287	2007.723	R	20	1.703	0.018	127.8*	0.4	0
19185+0105	STF2492AB	12289	2007.731	R	20	3.184	0.038	2.6*	0.3	0
19186+2157	STF2499	12298	2007.731	W	20	2.579	0.013	323.5*	0.3	0
19186+2157	STF2499	12298	2005.787	W	20	2.592	0.013	323.8*	0.3	0
19186+5358	A 1393	12315	2007.731	W	20	0.719	0.009	253.5*	0.3	0
19202+3411	HU 1300	12334	2007.731	W	20	0.732	0.008	183.2*	0.8	0
19220+2230	BU141	12355	2008.747	R	20	0.938	0.009	81.8	0.7	0
19220+2230	BU 141AB	12355	2006.694	R	20	0.895	0.008	82.1	0.9	0
19251+1839	HU 339	12416	2006.792	W	20	0.834	0.008	243.5	0.7	0
19251+1839	HU339	12416	2008.747	W	20	0.816	0.008	245.2	1.3	0
19252+0227	STF2513	12414	2007.731	W	20	2.008	0.011	328.4*	0.6	0
19252+3708	HJ 1395AB	12427	2007.731	W	20	2.832	0.014	63.3	0.3	0
19252+3708	HJ 1395AB	12427	2005.820	R	20	2.852	0.014	63.1	0.3	0
19261+3849	HO450	12446	2008.747	W	20	1.005	0.011	263.3*	1.0	0
19261+3849	HO 450AB	12446	2006.697	R	20	1.000	0.013	264.1	0.8	0

Elongated

NF

NF 2007.7311

Elongated, Diffuse

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
19266+2719	STF2525	12447	2008.747	R	20	2.114	0.016	288.8	0.3	1	
19266+2719	STF2525	12447	2006.677	R	20	2.130	0.016	289.7*	0.3	1	
19266+2719	STF2525	12447	2007.789	R	20	2.151	0.025	289.6*	0.5	1	
19269+1204	A 1181	12452	2007.699	R	20	0.672	0.008	199.1*	0.7	0	
19269+1204	A 1181	12452	2005.735	R	20	0.693	0.012	198.3*	1.5	0	
19270+7322	STF2550AB	12524	2006.680	R	20	1.942	0.010	250.8	0.3	0	
19270+7322	STF2550	12524	2008.780	R	20	1.938	0.036	249.5	0.9	0	
19299+4931	BU 143	12535	2006.697	W	20	2.188	0.017	192.3*	0.3	0	
19299+4931	BU143	12535	2008.780	W	20	2.192	0.011	192.2*	0.7	0	Elongated
19307+2758	MCA55	12540	2008.802	V	10	0.361	0.003	100.8*	1.4	1	
19307+2758	MCA 55Aac	12540	2006.721	R	10	0.359	0.012	105.5*	1.3	1	
19307+2758	MCA 55Aac	12540	2005.820	V	10	0.374	0.005	109.6*	1.0	1	
19307+2758	MCA 55Aa,Ac	12540	2007.770	R	10	0.350	0.006	103.3*	0.4	1	NF
19311+0824	A 1184	12537	2006.743	W	20	0.901	0.024	108.4*	0.4	0	Elongated
19311+0824	A1184	12537	2008.780	W	20	0.881	0.016	110.7*	0.5	0	
19334+6203	STF2553	12626	2007.731	W	20	0.986	0.009	127.7*	0.3	0	
19346+1808	STT 375	12623	2007.701	R	20	0.625	0.015	183.0	1.0	0	
19346+1808	STT 375	12623	2005.793	R	20	0.597	0.008	184.3	1.1	0	
19346+1808	STT 375	12623	2006.721	R	20	0.601	0.015	182.5*	1.2	0	NF
19350+2947	A 368	12633	2006.699	R	20	0.507	0.011	153.2*	0.8	0	
19350+2947	A368	12633	2008.780	W	20	0.503	0.029	152.9*	1.7	0	
19357+7308	A864	12729	2008.796	W	20	0.734	0.008	15.0*	0.6	0	
19357+7308	A 864	12729	2006.726	W	20	0.742	0.008	14.5*	1.3	0	
19363+3540	STT377	12667	2008.780	W	20	0.926	0.017	34.5*	0.7	0	
19363+3540	STT 377AB	12667	2006.819	R	20	0.985	0.035	36.1	1.7	0	
19365+4101	STT 378AB	12687	2006.699	R	20	1.406	0.008	285.5*	0.3	0	
19365+4101	STT378	12687	2008.780	R	20	1.396	0.029	285.6*	0.3	0	
19384+0021	BU 249AB	12708	2006.852	R	20	0.831	0.017	109.9*	1.0	0	
19384+0021	BU249	12708	2008.796	W	20	0.810	0.017	109.1*	0.6	0	
19389+5150	BU 656	12758	2007.701	R	20	0.916	0.032	270.4	1.2	0	
19402+2331	A 166	12770	2006.830	R	20	0.821	0.015	241.2	1.2	0	
"	"	"	2006.830	W	20	0.805	0.017	62.4*	0.7	0	
19406+6240	STF2574	12803	2007.731	R	20	0.492	0.013	88.4	0.6	0	
19411+1349	KUI 93	—	2005.820	R	10	0.192	0.012	133.5*	1.4	1	
19411+1349	KUI 93	—	2007.728	R	10	0.168	0.011	314.1	1.1	1	
19413+3043	BU 145AB	12786	2006.852	R	20	0.825	0.011	269.5*	0.8	0	
19426+1150	STT 380AB	12808	2007.753	R	10	0.403	0.003	76.8*	0.7	0	
19429+4043	STT 383AB	12831	2007.701	R	20	0.822	0.011	15.7	0.5	0	
19438+3819	STT 384AB	12851	2005.736	R	20	1.040	0.011	196.7*	0.8	0	
19438+3819	STT 384AB	12851	2007.753	R	20	1.038	0.008	196.4*	0.5	0	
19448+1649	STF2569	12861	2008.780	W	20	2.112	0.015	356.3*	0.3	0	
19448+1649	STF2569	12861	2006.830	R	20	2.119	0.015	357.0*	0.3	0	
19450+4508	STF 2579	12880	2004.690	R	20	2.637	0.013	41.5!	0.3	1	
"	"	"	2004.717	R	20	2.634	0.014	41.1!	0.4	1	
"	"	"	2004.878	R	20	2.657	0.013	220.8*	0.3	1	
19450+4508	STF2579 AB	12880	2005.774	R	20	2.640	0.013	220.8*	0.3	1	
19450+4508	STF2579	12880	2008.660	R	20	2.672	0.013	219.7*	0.3	1	
19450+4508	STF2579AB	12880	2006.721	R	20	2.666	0.013	220.4*	0.3	1	
"	"	"	2006.762	R	20	2.647	0.013	220.5*	0.3	1	
19450+4508	STF2579AB	12880	2007.688	R	20	2.646	0.013	220.2*	0.3	1	
19453+3048	AG 237	12881	2006.762	W	20	2.375	0.018	140.2*	0.5	0	
19453+3048	AG237	12881	2008.796	W	20	2.378	0.014	139.7*	0.5	0	Elongated
19456+3337	STF2576AB	12889	2007.753	R	20	2.871	0.014	160.3*	0.4	1	
19456+3337	STF2576AB	12889	2006.699	R	20	2.832	0.014	160.4	0.3	1	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
19458+4033	STT 385	12904	2007.753	R	20	1.242	0.014	50.4*	0.9	0	
19464+3337	STF2576	12889	2008.660	R	20	2.878	0.014	159.8*	0.3	1	
19471+3321	HU 758	12930	2007.723	W	20	0.896	0.026	144.8	1.4	0	
19479+2414	DA 10	12948	2007.753	R	20	0.667	0.011	307.0*	0.4	0	
19482+7016	STF2603	13007	2007.770	R	20	3.141	0.016	19.6*	0.3	0	
19482+7016	STF 2603	13007	2004.753	R	20	3.194	0.016	19.6*	0.4	0	
19483+3710	STT 386	12965	2006.669	R	20	0.933	0.011	69.8	0.9	0	
19483+3710	STT386	12965	2008.665	R	20	0.950	0.008	70.9	0.7	0	
19484+2212	STF2584	12957	2007.723	W	20	1.906	0.010	293.6	0.4	0	
19486+2458	STF2586AB	12964	2007.753	W	20	3.759	0.028	226.0*	0.3	0	DF
19487+1149	STF2583AB	12962	2007.669	R	20	1.432	0.008	105.1*	0.3	0	
19487+3519	STT 387	12972	2007.778	R	10	0.553	0.004	125.6*	0.6	1	
19487+3519	STT 387	12972	2006.724	R	20	0.571	0.018	129.6*	0.8	1	
19487+3519	STT387	12972	2008.802	R	20	0.534	0.014	124.2*	0.4	1	
19515+2332	BU 978	13030	2007.770	W	20	1.032	0.011	58.3*	0.7	0	
19524+2551	STT 388AB	13050	2007.778	R	20	3.873	0.019	137.2*	0.3	0	
19525+2227	HO 580	13055	2007.770	R	20	0.699	0.017	274.8*	2.2	0	
19535+2405	DJU 4	—	2007.770	R	20	1.336	0.016	245.8*	0.3	1	
19540+1518	STF2596	13082	2005.774	R	20	1.980	0.010	300.5*	0.3	0	
19540+1518	STF2596	13082	2007.669	R	20	2.056	0.020	299.6	0.3	0	
19556+5226	STF2605AB	13148	2007.775	R	20	2.898	0.041	175.1*	0.4	0	DF
19575+2018	BU425	13165	2008.671	W	20	1.376	0.008	239.6	0.4	0	
19575+2018	BU 425AB	13165	2006.852	W	20	1.342	0.026	240.0	0.6	0	Elongated
19576+1524	A 1663AB	13166	2007.778	W	20	1.293	0.008	236.6*	0.3	0	
19579+4216	STF2607AB-C	13186	2007.778	R	20	2.998	0.015	288.6*	0.3	0	NF
19584-0214	AC 12	13178	2007.778	R	20	1.458	0.013	298.8*	0.7	0	
19585+3317	STF2606AB	13196	2007.775	W	20	0.728	0.009	144.8*	0.7	0	
19586+3806	STF2609	13198	2007.775	R	20	1.954	0.015	22.0*	0.4	0	
19591+3532	STF2610AB	13204	2007.783	W	20	4.272	0.021	295.5*	0.3	0	
19594+3206	A 378	13212	2007.778	W	20	0.887	0.008	293.6*	0.5	0	
19594+3206	A 378	13212	2005.787	R	20	0.906	0.014	293.2	0.8	0	
20010+3742	BU 1289AB	13262	2007.783	W	20	0.633	0.030	54.8*	0.9	0	
20011+4816	STF2619AB	13269	2006.784	R	20	4.166	0.021	239.3*	0.3	0	
20011+4816	STF2619	13269	2008.802	R	20	4.163	0.021	59.0*	0.3	0	
20014+1045	STF2613	13256	2008.774	R	20	3.595	0.018	354.5*	0.3	1	
20014+1045	STF2613	13256	2006.727	R	20	3.637	0.018	354.2*	0.3	1	
20017-0012	H 1 93AB	13259	2007.783	W	20	1.827	0.022	297.7*	0.5	0	
20020+2456	STT 395	13277	2007.729	R	20	0.802	0.008	123.8	0.3	0	
20027+2939	COU1473	—	2007.728	W	20	0.559	0.008	347.2	0.9	0	
20028+1435	STF2616	13290	2007.783	W	20	3.548	0.044	266.8*	0.3	0	NF
20035+3601	STF2624AB	13312	2007.775	R	20	1.945	0.021	174.2*	0.3	0	
20035+3601	STF 2624	13312	2004.692	R	20	1.946	0.024	174.6!	0.5	0	
"	"	"	2004.717	V	20	1.953	0.010	353.8*	0.4	0	
20040+1221	A 1194	13314	2007.789	W	20	1.000	0.025	315.4*	0.3	0	
20042+1148	STF2620	13320	2008.772	W	20	1.851	0.022	286.6*	0.4	0	
20042+1148	STF2620AB	13320	2006.830	R	20	1.849	0.009	286.1*	0.5	0	
20043+3033	STF2626	13329	2007.789	R	20	1.013	0.035	126.5*	1.5	0	
20043+3033	STF2626	13329	2005.793	R	20	1.013	0.029	127.2	1.0	0	
20051-0418	BU 56	13334	2007.789	R	20	1.355	0.008	186.6*	0.7	0	
20056+6342	STF2642AB	13392	2007.789	R	20	1.710	0.023	185.6	0.6	0	
20067+1256	BU428	13384	2008.774	R	20	0.785	0.009	356.4	0.3	0	
20067+1256	BU 428	13384	2006.727	R	20	0.788	0.008	353.6	0.7	0	
20074+3543	STT 398AB	13405	2007.843	R	20	0.952	0.009	82.7*	0.7	0	
20078+0924	STF2628	13403	2008.886	R	20	3.019	0.015	338.0*	0.3	0	NF

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
20080+4223	A 382	13415	2007.843	R	20	1.678	0.008	94.7*	0.3	0	DF
20095+5140	STF2645	13447	2006.789	R	20	1.594	0.010	138.5	0.8	0	
20095+5140	STF2645	13447	2008.774	W	20	1.597	0.016	137.5*	0.5	0	
20102+4357	STT400	13461	2008.772	R	20	0.618	0.013	335.4	1.2	1	
20102+4357	STT 400	13461	2006.699	R	20	0.593	0.008	337.4	0.7	1	
20106+3452	A281	13465	2008.886	W	20	4.152	0.038	172.5*	0.3	0	
20126+0052	STF2644	13506	2005.774	R	20	2.664	0.013	206.5*	0.3	0	
20126+0052	STF2644	13506	2008.747	R	20	2.629	0.015	206.0	0.4	0	
20137+1609	STF2651	13542	2008.747	W	20	1.007	0.009	278.6	0.4	0	
20137+1609	STF2651	13542	2005.736	R	20	1.056	0.011	278.9	0.3	0	
20137+2414	STF2653	13543	2007.843	R	20	2.878	0.017	274.4*	0.4	0	NF
20144+4206	STT 403AB	13572	2007.723	R	20	0.951	0.015	170.6*	0.5	0	
20153+2536	BU 983AB	13589	2007.843	R	10	0.467	0.005	183.8*	0.4	0	DF
20181+4044	STF2666AB	13672	2007.854	R	20	2.758	0.014	244.9*	0.3	0	
20181+4044	STF 2666	13672	2004.753	R	20	2.762	0.014	245.0*	0.3	0	
20184+5524	STF2671AB	13692	2007.854	R	20	3.713	0.019	336.8*	0.3	0	
20184+5524	STF 2671	13692	2004.690	R	20	3.670	0.020	337.3*	0.3	0	
20187+3315	STT 405AB	13682	2006.819	R	20	0.799	0.017	150.6	0.7	0	
20187+3315	STT405	13682	2008.772	W	20	0.795	0.013	147.9*	1.2	0	
20198+4522	STT 406	13723	2005.774	R	10	0.399	0.003	103.7*	0.3	1	
20198+4522	STT 406	13723	2007.854	R	20	0.356	0.008	101.1*	0.3	1	
20200+3616	BU431	13719	2008.777	W	20	0.540	0.017	30.5*	0.6	0	
20200+3616	BU 431	13719	2006.820	R	20	0.530	0.008	29.8*	1.8	0	
20203+3924	STF2668	13728	2008.875	R	20	0.253	0.014	310.0	2.2	0	(A 1427AB)
20203+3924	STF2668	13728	2008.875	R	20	3.448	0.017	280.2*	0.5	0	(STF2668AB-C)
20216+2346	STF2672	13750	2008.875	W	20	0.682	0.012	345.7	1.2	0	Elongated
20229+4259	HO 128AB	13786	2006.820	R	20	1.361	0.021	358.8*	0.6	0	
20229+4259	HO128	13786	2008.777	R	20	1.356	0.029	359.8*	1.1	0	
20244+2923	HO457	13818	2008.780	W	20	2.024	0.010	60.2*	0.5	0	
20244+2923	HO 457AB	13818	2006.830	W	20	2.021	0.010	60.4*	0.3	0	Elongated
20248+3545	BU 432	13830	2006.831	R	20	1.433	0.019	196.5*	0.5	0	
20248+3545	BU432	13830	2008.802	R	20	1.404	0.015	196.5*	0.3	0	
20251+5936	A 730	13850	2004.717	V	10	0.144	0.008	293.1	1.2	1	Diffuse R=0.189 SR=0.020 T=29
20251+5936	A730	13850	2008.802	R	10	0.157	0.004	283.9*	0.7	1	Too close
20251+5936	A 730	13850	2004.717	V	10	0.189	0.020	112.6!	1.5	1	Diffuse,
20255+4006	D22	13847	2008.876	W	20	2.934	0.030	162.2*	0.8	0	
20257+5508	A1429	13857	2008.881	W	20	0.630	0.021	187.6*	0.8	0	
20262+3712	HO130	13856	2008.876	W	20	1.910	0.018	287.2*	0.8	0	
20293+3731	WEI 35AB	13909	2005.736	R	20	4.045	0.020	213.7*	0.4	0	
20293+3731	WEI35	13909	2008.802	R	20	4.101	0.021	213.6*	0.4	0	
20295+5604	KUI97	—	2008.886	R	20	0.788	0.008	128.6*	1.7	0	
20303+1054	BU 63	13920	2004.878	V	20	0.922	0.011	169.0*	0.8	0	
20303+1054	BU 63AB	13920	2007.688	R	20	0.916	0.008	348.5*	0.4	0	
20318+4933	BU 1136	13976	2007.753	R	20	0.575	0.015	215.2*	0.5	0	
20335+0527	STF2696AB	13997	2007.778	W	20	0.546	0.014	297.9	1.1	0	
20337+3835	A1431	14007	2008.802	W	20	0.828	0.014	28.2*	1.0	0	Elongated
20337+3835	A 1431	14007	2006.789	R	20	0.867	0.011	30.6	0.6	0	
20340+3441	STT408	14016	2008.887	R	20	1.581	0.038	192.3*	1.4	0	NF
20356+3510	STF2702	14045	2007.723	W	20	3.204	0.016	205.3*	0.3	0	
20370+1203	STF2701	14063	2006.697	R	20	2.057	0.020	221.1*	0.5	0	
20375+1436	BU 151AB	14073	2006.790	R	10	0.532	0.003	5.5*	0.3	1	
20377+3322	STF2705AB	14078	2007.906	R	20	3.172	0.016	261.6*	0.3	0	
20396+4035	STT 410AB	14126	2007.775	R	20	0.843	0.013	6.1	0.5	0	
20397+6325	DOB15	14155	2008.712	W	20	1.971	0.012	77.6	0.3	0	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
20410+3218	STF 2716	14158	2004.878	V	20	2.784	0.014	45.4*	0.3	0	
20410+3218	STF2716	14158	2008.802	R	20	2.750	0.014	45.2*	0.3	0	
20423+5723	BU 152	14196	2004.717	V	20	1.156	0.018	83.2*	0.8	0	
20423+5723	BU 152	14196	2007.843	R	20	1.159	0.022	82.3*	1.3	0	
20445+2356	STF2724	14227	2006.784	R	20	2.466	0.017	149.0	0.3	0	
20445+2356	STF2724	14227	2008.876	W	20	2.520	0.017	149.2*	0.9	0	
20449+1219	STF2723AB	14233	2005.883	R	20	1.040	0.012	134.3*	0.6	0	
20450+1244	BU 64AB	14238	2005.883	R	20	0.647	0.014	351.7	1.1	1	
20450+1244	BU 64AB	14238	2007.844	R	20	0.651	0.008	351.7	0.3	1	
20471+2525	BU 364	14286	2006.784	R	20	0.792	0.014	68.4	0.6	0	
20474+3629	STT 413Aa-B	14296	2006.784	R	20	0.876	0.008	5.7*	0.5	1	
20481+2727	BU 66	14312	2005.774	R	20	1.082	0.018	167.9	0.3	0	
20486+5029	BU 366AB	14331	2005.820	R	20	1.475	0.008	129.7*	0.5	0	
20487+5155	STF2732	14336	2005.820	R	20	4.234	0.021	72.0*	0.3	0	
20511+5125	BU 155	14370	2004.717	V	20	0.761	0.016	38.4*	0.9	0	
20511+5125	BU 155AB	14370	2007.770	R	20	0.677	0.026	36.3	1.4	0	
20531+2909	STT 417AB	14397	2006.790	R	20	0.880	0.015	28.2	0.7	0	
20537+5918	A 751	14412	2004.878	R	10	—	—	—	—	1	NF
20541+4507	STT 422	14411	2007.854	W	20	2.587	0.014	332.0*	0.3	0	
20548+3242	STT 418	14421	2004.892	R	20	1.015	0.012	283.5*	0.3	0	
20548+3242	STT 418	14421	2007.789	R	20	0.977	0.019	285.0	0.7	0	
20553+4231	STT 423	14432	2006.918	R	20	2.766	0.014	76.1*	0.3	0	
20557+0432	STF2735	14430	2006.820	R	20	2.032	0.017	281.5*	0.3	0	
20577+5849	A 756AB	14493	2006.918	R	20	0.565	0.018	209.3	2.1	0	
20585+5028	STF 2741	14504	2004.717	V	20	1.955	0.010	25.2*	0.3	0	
20585+5028	STF2741AB	14504	2007.789	R	20	1.966	0.010	25.5*	0.3	0	
20591+0418	STF2737AB	14499	2006.869	R	10	0.632	0.004	284.5	0.3	1	
20593+1534	STT 424AB	14505	2007.844	R	20	0.511	0.008	305.9	0.4	0	
20595+5013	BU 68	14520	2006.918	R	20	1.941	0.025	148.7*	0.3	0	
20598+2004	STF2739	14515	2007.914	W	20	3.331	0.017	252.3*	0.3	0	Elongated
20598+6152	BU 472	14540	2006.831	R	20	0.743	0.011	13.9*	0.4	0	
21008+4635	BU 156	14561	2007.778	W	20	1.025	0.012	235.0*	0.4	0	
21015+6643	HU 959	14578	2006.831	R	20	1.296	0.012	160.6*	0.3	0	
21018+3916	STF 2746	14558	2004.892	R	20	1.188	0.008	139.8*	0.3	0	
21018+3916	STF2746	14558	2007.778	R	20	1.201	0.020	320.6*	0.7	0	
21021+5640	STF 2751	14575	2004.857	V	20	1.611	0.012	175.3*	0.4	0	
21021+5640	STF2751	14575	2008.802	R	20	1.609	0.008	355.6*	0.3	0	
21022+0711	STF 2742	14556	2004.892	R	20	2.881	0.014	214.5*	0.3	0	
21022+0711	STF2742	14556	2008.775	W	20	2.847	0.014	214.4*	0.3	0	
21031+0132	STF2744AB	14573	2007.844	R	20	1.273	0.015	114.3*	0.4	1	
21031+0132	STF 2744	14573	2004.857	R	20	1.282	0.015	295.6*	0.4	1	
21045+7046	STF2771	14630	2008.802	W	20	2.714	0.014	33.2	0.3	0	
21046+5224	STF2757	14615	2008.936	R	20	1.872	0.011	263.4*	0.4	0	
21055+5340	BU680	14626	2008.936	W	20	0.550	0.019	284.1*	0.8	0	
21068+3408	STF2760	14645	2008.876	W	20	4.503	0.028	32.2*	0.3	0	Diffuse
21068+3408	STF2760 AB	14645	2005.774	R	20	4.189	0.021	31.6*	0.3	0	
21086+3012	STF 2762	14682	2004.900	R	20	3.369	0.017	123.3*	0.3	0	
21086+3012	STF2762	14682	2008.908	R	20	3.397	0.017	302.8*	0.6	0	NF
21093+3131	COU1333	—	2007.770	W	20	0.628	0.017	255.2	1.2	0	
21101+0118	HDO318	—	2008.938	W	20	1.050	0.008	313.3*	0.3	0	
21103+4359	STF2773	14711	2008.938	R	20	3.260	0.017	112.5*	0.3	0	
21103+4359	STF2773AB	14711	2005.820	R	20	3.233	0.020	112.7*	0.3	0	
21105+1958	STF2767	14708	2008.938	R	20	2.448	0.020	29.0*	0.3	0	
21105+1958	STF 2767	14708	2004.947	R	20	2.463	0.016	28.8*	0.3	0	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
21110+0933	STF2765AB	14715	2005.883	R	20	2.774	0.014	79.2	0.3	0	
21112+5620	DOO 16	14739	2007.789	W	20	1.102	0.008	28.5*	0.8	0	
21115+4115	STT 431	14733	2004.947	R	20	2.670	0.016	124.4!	0.3	0	
21118+5959	STF 2780	14749	2004.857	V	20	1.021	0.010	213.8*	0.7	0	
21135+0713	BU 270	14759	2004.950	R	20	0.601	0.015	168.8*	1.9	1	
21135+1559	HU 767	14761	2004.857	R	10	0.225	0.007	158.0	3.0	1	R=0.211 SR=0.006 T=157.5 ST=
21135+1559	HU 767	14761	2004.857	V	10	0.210	0.006	157.0!	3.4	1	
21137+6424	H 1 48	14783	2004.878	R	10	—	—	—	—	1	NF
"	"	"	2004.944	R	10	—	—	—	—	1	NF
21137+6424	H 1 48	14783	2006.727	R	10	0.229	0.004	235.7	1.6	1	
21137+6424	H 1 48	14783	2005.886	R	10	0.176	0.003	237.3	1.8	1	
"	"	"	2005.886	V	10	0.174	0.003	236.1	1.8	1	
21141+5818	STF 2783	14784	2004.944	R	20	0.719	0.016	357.4*	1.5	0	
21143+4109	STT 432	14778	2007.914	R	20	1.333	0.010	114.7*	0.3	0	
21143+4109	STT 432	14778	2004.892	R	20	1.337	0.018	295.3*	0.3	0	
21145+1000	STT 535AB	14773	2005.919	R	10	0.240	0.005	28.2	0.3	1	
21148+3803	AGC 13	14787	2004.941	V	10	0.732	0.009	89.4*	0.7	1	
21171+3546	BU 162	14822	2004.947	R	20	1.247	0.020	71.6!	0.3	0	
21186+1134	BU 163AB	14839	2006.727	R	20	0.757	0.008	257.8	0.8	1	
21186+1134	BU 163	14839	2004.950	R	20	0.716	0.023	257.4*	0.4	1	
21194+3814	HO 286	14859	2005.886	V	10	0.160	0.003	237.3	6.4	0	
21197+0931	STF2786	14856	2007.950	R	20	2.738	0.014	188.4*	0.3	0	
21197+0931	STF 2786	14856	2004.950	R	20	2.762	0.015	188.4*	0.4	0	
21208+3227	STT 437AB	14889	2007.950	R	20	2.402	0.012	20.6*	0.6	0	
21208+3227	STT 437	14889	2004.881	R	20	2.386	0.012	20.9*	0.3	0	
21214+0253	STT 435	14894	2005.883	R	20	0.682	0.011	238.1	0.9	0	
21237+5518	A 1892	14945	2006.727	R	20	0.747	0.009	348.7	0.7	0	
21238+4710	A 765	14944	2004.952	V	20	0.469	0.012	25.2!	2.6	0	
21252+3129	A 1220	14957	2007.950	W	20	1.624	0.019	157.5*	0.7	0	
21267+1341	STF2797	14977	2008.887	R	20	3.504	0.018	217.6*	0.3	0	
21267+1341	STF 2797	14977	2004.955	R	20	3.501	0.018	217.3*	0.3	0	
21280+4305	HO 160	15000	2007.950	W	20	2.036	0.010	182.5*	0.5	0	
21289+1105	STF2799AB	15007	2006.727	R	20	1.854	0.009	261.9	0.6	1	
21289+1105	STF2799	15007	2008.887	R	20	1.860	0.009	81.0*	0.3	1	
21289+1105	STF 2799	15007	2004.936	R	20	1.857	0.014	81.8*	0.4	1	
21304+3504	HLD45	15039	2008.887	W	20	1.257	0.017	197.3	0.9	0	
21308+4752	A769	15053	2008.936	W	20	0.663	0.036	291.3	0.9	0	
21308+4752	A 769	15053	2006.943	R	20	0.704	0.014	292.9	1.0	0	DF
21318+3349	STF 2802	15060	2004.955	R	20	3.809	0.019	9.5*	0.3	0	
21318+3349	STF2802	15060	2008.936	W	20	3.802	0.022	9.5*	0.3	0	
21330+2043	STF2804AB	15076	2007.958	R	20	3.291	0.050	356.8*	0.8	0	
21330+2043	STF 2804	15076	2004.955	R	20	3.283	0.016	176.4*	0.3	0	
21330+2043	STF2804AB	15076	2005.883	R	20	3.254	0.016	356.4*	0.3	0	
21352+2124	BU 74	15109	2005.886	R	20	1.007	0.023	334.8	0.8	0	
21355+2427	HU 371	15115	2006.953	R	10	0.255	0.003	314.6	0.7	1	
21355+2427	HU 371	15115	2004.881	V	10	0.273	0.009	131.4!	0.4	1	
21395-0003	BU 1212	15176	2004.955	R	10	0.479	0.003	60.4!	0.5	1	
21426+1900	HO 165AB	15234	2005.919	R	20	0.737	0.008	61.2*	1.0	0	
21441+2845	STF2822AB	15270	2006.784	R	20	1.781	0.009	311.3*	0.3	1	
21441+2845	STF 2822	15270	2004.857	V	20	1.790	0.018	130.0*	0.4	1	
21454+4356	HO 168AB	15295	2006.831	R	20	0.855	0.017	223.4	0.6	0	
21469+0051	STF2825	15313	2005.935	R	20	0.485	0.012	148.0	1.4	0	
21480+6920	STF2835	15350	2006.918	W	20	1.904	0.012	270.1*	0.6	0	
21501+1717	COU 14	—	2004.936	R	10	0.117	0.004	329.8	3.0	1	Very fuzzy, dubious R=0.196 SR=
"	"	"	2004.952	V	10	0.130	0.007	311.8	4.8	1	NF R=nodata SR=nodata T=no

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
21501+1717	COU 14	—	2004.936	R	10	0.197	0.010	150.6!	2.0	1	Very fuzzy, dubious.
"	"	"	2004.952	V	10	—	—	—	—	1	NF
21510+6137	STT 451	15390	2004.944	R	20	4.173	0.021	218.6*	0.3	0	
21516+6545	STF 2843	15407	2004.941	R	20	1.377	0.018	328.3*	0.3	0	
21521+2748	HO 171	15401	2007.914	W	20	0.750	0.014	341.9	0.9	0	Elongated
21523+6306	STF2845AB	15417	2005.886	R	20	1.964	0.013	173.3*	0.3	0	
21555+1053	BU 75AB	15447	2006.784	R	20	0.906	0.008	19.9	1.0	1	
21555+1053	BU 75	15447	2004.974	R	20	0.885	0.008	19.8*	0.3	1	
21555+5232	STT 456AB	15460	2007.958	R	20	1.615	0.012	36.3*	0.3	0	
21555+5232	STT 456	15460	2004.974	R	20	1.609	0.012	36.3*	0.5	0	
21555+6519	STT 457	15467	2004.944	R	20	1.305	0.018	245.0*	0.4	0	
21557+0715	STT 452	15452	2006.915	R	20	0.744	0.014	178.2	0.4	0	
21565+0715	STT 453AB	15464	2006.915	R	20	0.717	0.012	268.1	0.5	0	
21565+5948	STT 458	15481	2004.974	R	20	0.968	0.009	168.7*	0.8	0	
21581-0329	STF2847	15494	2006.953	R	20	0.731	0.017	125.8	0.9	0	
22009+4338	HO 175AB	15547	2007.844	R	20	0.868	0.028	318.9*	0.7	0	
22009+6250	HU 976	15558	2006.820	W	20	1.609	0.008	54.9	0.3	0	
22029+4439	BU 694AB	15578	2007.844	R	20	1.000	0.008	6.1*	0.3	0	
22029+4439	BU 694	15578	2004.881	V	20	0.990	0.008	5.9*	1.4	0	
22044+1339	STF2854	15596	2005.820	R	20	1.732	0.011	83.1*	0.3	0	
22044+1339	STF2854	15596	2007.966	R	20	1.691	0.008	82.7*	0.5	0	
22044+1339	STF 2854	15596	2004.974	R	20	1.735	0.009	82.6*	0.3	0	
22058+0452	STF2856	15614	2005.935	R	20	1.234	0.012	195.1	0.5	0	
22070+3605	STT 462AB	15645	2006.831	R	20	1.079	0.014	316.8*	0.5	0	
22071+0034	STF2862	15639	2005.935	R	20	2.519	0.025	95.9	0.6	0	
22071+0034	STF2862	15639	2007.966	R	20	2.498	0.012	95.4*	0.3	0	
22086+5917	STF 2872	15670	2004.944	R	20	0.827	0.016	118.3!	0.6	1	
22086+5917	STF2872BC	15670	2006.790	R	20	0.829	0.022	298.4	0.3	1	
22094+2233	STF2868	15673	2006.954	R	20	1.077	0.014	352.3*	0.4	0	
22094+2233	STF2868	15673	2008.938	R	20	1.097	0.008	352.9*	0.5	0	
22100+2308	COU 136	—	2006.954	R	20	0.485	0.012	27.7*	0.6	1	
22100+2308	COU136	—	2008.938	R	20	0.468	0.008	24.3*	0.3	1	
22110+2429	EGG 4	—	2007.844	W	20	0.563	0.008	149.6*	0.3	0	
22110+6324	STF 2879	15712	2004.944	R	20	0.768	0.023	52.0!	1.1	0	
22110+6324	STF2879AB	15712	2007.958	R	20	0.776	0.013	232.3	1.0	0	
22117+5743	A 625AB	15726	2007.969	R	20	0.547	0.018	80.1	1.2	0	
22122+6344	STF2884	15742	2006.918	W	20	2.118	0.015	142.6*	0.3	0	
22122+6344	STF2884	15742	2008.887	W	20	2.023	0.050	142.8*	0.3	0	
22126+3013	HO 179AB	15738	2007.879	W	20	0.899	0.008	280.0*	0.7	0	
22128+1355	HU 978	15735	2007.879	W	20	1.129	0.011	206.1*	0.3	0	
22136+5234	BU 991	15756	2007.964	W	20	0.657	0.008	137.8*	0.5	0	
22143+3745	STF2882	15766	2008.876	W	20	3.449	0.020	147.6*	0.6	0	
22145+0759	STF2878AB	15767	2007.966	R	20	1.495	0.008	115.1*	0.3	0	
22145+0759	STF 2878	15767	2004.947	R	20	1.498	0.022	296.3*	0.5	0	
22146+2934	STF2881	15769	2007.915	R	20	1.311	0.011	75.8*	0.3	0	
22146+2934	STF 2881	15769	2004.878	R	20	1.309	0.017	76.9*	0.3	0	
22158+4354	HO 180AB	15794	2007.915	W	20	0.758	0.008	239.5*	1.0	0	
22158+4354	HO 180	15794	2004.936	R	20	0.764	0.021	59.3!	1.3	0	
22202+2931	BU 1216	15843	2007.969	W	20	0.887	0.011	278.0*	0.3	0	
22202+2931	BU 1216	15843	2005.883	R	20	0.882	0.020	277.9	1.4	0	
22206+5349	BU 379	15856	2007.950	W	20	1.107	0.014	335.1*	0.5	0	
22218+6642	STF2903	15881	2005.886	R	20	4.139	0.021	95.9*	0.3	0	
"	"	"	2005.886	V	20	4.127	0.021	96.2*	0.3	0	
22218+6642	STF2903	15881	2008.887	R	20	4.156	0.021	96.0*	0.3	0	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
22241-0450	BU 172	15902	2004.952	V	10	0.351	0.005	49.3*	0.5	1	
22269+6343	KR 59	15954	2007.950	W	20	1.752	0.009	344.9*	0.4	0	
22272+1509	STF2905	15950	2006.915	W	20	3.326	0.017	104.5*	0.4	0	Diffuse
22288-0001	STF 2909	15971	2004.878	V	20	1.912	0.013	177.8*	0.4	1	
"	"	"	2004.952	V	10	0.222	0.011	298.5*	2.1	1	
22288-0001	STF2909	15971	2007.966	R	20	2.042	0.010	170.8*	0.3	1	
22288-0001	STF2909	15971	2005.899	R	20	1.915	0.015	175.3*	0.4	1	
22295-0012	BU76	15984	2008.938	R	20	1.615	0.008	7.5*	0.3	0	
22300+0426	STF2912	15988	2004.952	V	10	0.223	0.007	117.0*	0.8	1	R=0.219 SR=0.011 T=118.8
22302+2228	HU 388	15992	2007.966	R	20	0.494	0.008	57.1*	0.9	1	
22302+2228	HU 388	15992	2005.883	R	20	0.505	0.008	58.0	0.7	1	
22305+6137	HU 981	16011	2007.964	W	10	0.298	0.003	215.3*	0.9	0	
22312+5052	STF2918	16020	2008.876	W	20	1.601	0.008	237.2*	0.9	0	
22312+5052	STF2918	16020	2006.915	R	20	1.643	0.015	236.8*	0.5	0	DF
22323+5512	AG 283	16032	2006.831	W	20	2.640	0.013	332.1*	0.3	0	
22328+2625	HO 475AB	16037	2006.951	W	20	1.085	0.008	126.0*	0.8	0	
22328+2625	HO475	16037	2008.939	R	20	0.996	0.022	306.4	0.8	0	
22330+6955	STF2924AB	16057	2004.950	V	10	0.111	0.006	157.4	2.1	1	Fuzzy, dubious R=0.161 SR=
22330+6955	STF 2924	16057	2004.950	V	10	0.157	0.025	162.1!	2.8	1	Fuzzy, dubious.
22330+6955	STF2924	16057	2008.939	R	10	0.151	0.004	192.6	1.4	1	
22345+4046	COU1838Aa,Ab	—	2007.969	W	20	1.097	0.019	164.8*	0.9	0	NF
22388+4419	HO 295	16138	2004.717	R	10	0.216	0.011	26.8!	4.8	1	
22400+0113	A 2099	16157	2005.935	R	20	0.746	0.028	163.3	0.7	1	
22409+1433	HO 296AB	16173	2005.951	R	10	0.203	0.003	282.2	0.8	1	
22413+7244	STF2940	16191	2008.802	W	20	2.673	0.017	137.3*	0.3	0	
22419+2126	STF2934	16185	2006.951	W	20	1.337	0.008	57.9*	0.4	1	
22426+4401	A 414AB	16204	2006.951	W	20	1.723	0.009	14.1	0.3	0	DF
22426+4401	A 414AB	16204	2007.882	W	20	1.706	0.009	194.1*	0.3	0	
22431+4710	STT 476	16214	2004.878	V	20	0.511	0.018	123.9!	1.5	0	
"	"	"	2004.878	R	10	0.495	0.008	123.1*	0.5	0	
22431+4710	STT 476A-BC	16214	2007.967	R	20	0.488	0.008	301.1*	0.7	0	
22441+3928	STF 2942	16228	2004.881	R	20	2.851	0.022	277.4*	0.3	0	
22470+4446	A 189AB	16266	2007.967	W	20	0.991	0.008	26.0*	0.6	0	
22470+4446	A 189	16266	2004.881	R	20	1.023	0.008	206.3*	0.4	0	
22478-0414	STF2944AB	16270	2005.897	R	20	1.910	0.052	298.0	1.1	0	
22485+5409	AG 424	16280	2006.973	R	20	2.266	0.013	135.5*	0.4	0	
22496+6633	STF 2948	16298	2004.892	R	20	2.679	0.013	4.0*	0.3	0	
22496+6633	STF2948	16298	2007.972	R	20	2.685	0.022	4.4*	0.5	0	
22507+5107	HLD 54	16307	2007.972	R	20	1.874	0.012	17.1*	0.8	0	
22509+5303	BU 1332AB	16310	2006.918	W	20	1.509	0.013	128.3*	0.4	0	
22514+2623	HO 482AB	16314	2007.972	R	20	0.489	0.016	18.5*	1.3	1	
22514+2623	HO 482	16314	2004.878	R	10	0.476	0.003	20.6!	0.5	1	
22514+6142	STF 2950	16317	2004.892	R	20	1.321	0.011	99.8*	0.3	0	
22514+6142	STF2950AB	16317	2006.784	R	20	1.293	0.008	278.9*	0.3	0	
22514+6142	STF2950	16317	2008.802	R	20	1.270	0.008	277.6*	0.3	0	
22520+5743	A 632	16326	2004.892	R	20	0.565	0.019	323.9*	2.1	1	
22520+5743	A 632	16326	2007.972	R	20	0.511	0.008	137.9*	0.7	1	
22537+4445	BU382	16345	2008.802	R	20	0.791	0.009	232.7*	0.3	1	
22537+4445	BU 382	16345	2004.936	V	20	0.855	0.011	226.9*	1.0	1	
22537+4445	BU 382AB	16345	2006.869	R	20	0.823	0.008	230.7*	0.3	1	
22542+7620	STF 2963	16371	2004.950	R	20	1.933	0.010	1.9*	0.4	0	
22552-0459	BU 178	16365	2005.899	R	20	0.660	0.008	323.4*	1.5	1	
"	"	"	2005.900	R	10	0.663	0.005	322.3*	0.3	1	
22557+1547	HU 987	16373	2006.790	W	20	1.110	0.008	78.9*	0.3	1	



WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
22564+2257	COU 240	—	2007.844	R	20	0.766	0.013	291.1	1.2	0	
22565+6252	STF2961	16394	2007.950	W	20	1.870	0.009	347.5*	0.3	0	
22565+6252	STF 2961	16394	2004.892	R	20	1.862	0.011	167.4!	0.3	0	
22569+1151	STF 2958	16389	2004.972	R	20	3.893	0.019	14.0*	0.3	0	
22597+4149	HLD 56	16435	2006.790	W	20	1.158	0.008	93.1*	0.6	0	
23050+3322	STF2974	16496	2005.820	R	20	2.653	0.013	165.3*	0.4	0	
23050+3322	STF 2974	16496	2004.947	R	20	2.665	0.013	345.5*	0.4	0	
23072+6050	BU 180AB	16518	2006.869	R	20	0.548	0.013	136.1*	0.6	0	
23078+6338	HU 994	16530	2004.950	V	10	0.206	0.004	316.5	1.0	1	R=0.203 SR=0.029 T=315.3 ST=
23078+6338	HU 994	16530	2004.950	V	10	0.208	0.035	135.8!	2.2	1	
23078+6338	HU 994	16530	2006.869	R	10	0.200	0.004	314.9	1.3	1	
23079+7523	STT 489AB	16538	2006.869	R	20	1.094	0.019	350.8*	0.8	1	
23079+7523	STT 489	16538	2004.974	R	20	1.094	0.020	170.6*	0.7	1	?
23102+5727	STT 490AB	16560	2006.869	W	20	1.200	0.008	296.5*	0.3	0	
23103+3229	BU 385AB	16561	2007.879	R	20	0.657	0.008	85.8*	0.8	1	
23103+3229	BU 385	16561	2004.947	R	20	0.668	0.025	85.5*	0.9	0	
23103+3229	BU 385AB	16561	2005.821	R	20	0.661	0.012	86.0*	0.3	0	
23133+2205	STF2990AB	16602	2005.886	R	20	2.529	0.021	56.6*	0.6	0	
23147+4116	A 200	16621	2006.954	R	20	0.652	0.014	74.7	2.2	0	Very faint, Diffuse
23162+5424	A 1482	16641	2007.967	W	20	1.315	0.011	87.7*	0.4	0	
23186+6807	STF 3001	16666	2004.974	R	20	3.338	0.017	220.1*	0.3	1	
23188+2513	STF3000	16664	2007.972	W	20	3.397	0.017	50.2*	0.3	0	
23208+2158	STT 494	16686	2005.897	R	20	3.243	0.016	81.7	0.3	0	
23244+6917	A789	16738	2008.887	W	20	1.888	0.009	83.3*	0.4	0	
23256+3326	AG292	16744	2008.887	W	20	3.737	0.019	233.6*	0.3	0	
23260+2742	HO 489	16748	2004.947	R	20	0.554	0.059	40.4*	2.5	0	
23277+7406	STF3017AB	16775	2005.900	R	20	1.270	0.014	20.9*	0.6	0	
23292+4042	A 1487	16785	2006.954	R	20	1.063	0.015	158.8	0.5	0	
23324+1724	STF3023	16821	2005.900	R	20	1.736	0.018	279.7*	0.7	0	
23339+2342	COU 144	—	2004.972	R	20	—	—	—	—	0	NF
23340+3120	BU 720	16836	2006.975	R	10	0.554	0.005	97.7*	0.4	1	
23355+5401	MLR620	—	2008.939	RL	20	0.616	0.020	225.7*	1.0	0	Diffuse
23355+5401	MLR620	—	2008.939	W	20	0.614	0.010	227.7*	0.8	0	
23375+4426	STT 500AB	16877	2006.975	R	10	0.463	0.003	8.4*	0.5	1	
23411+4613	MLR 4	—	2004.955	R	10	0.133	0.011	283.8	1.7	1	Fuzzy R=0.186 SR=0.001 T=281
23411+4613	MLR 4	—	2004.955	R	10	0.186	0.009	101.8!	2.3	1	Fuzzy
23413+3234	BU 858AB	16928	2006.975	R	20	0.830	0.012	224.0*	0.8	0	
23413+3234	BU 858	16928	2004.952	R	20	0.833	0.013	223.5*	0.7	0	
23420+2018	STT 503AB	16937	2007.879	W	20	1.060	0.008	132.3*	0.3	0	
23420+2018	STT 503	16937	2004.955	R	20	1.084	0.009	313.3*	0.5	0	
23431+1150	A 1242	16951	2006.976	W	20	0.940	0.015	333.6	1.2	1	
23439+0715	STF3033	16958	2007.972	W	20	3.006	0.024	3.2*	0.6	0	
23461+6028	STF 3037	16982	2004.974	R	20	2.634	0.013	211.5*	0.3	0	
23476+4650	BU 995	17006	2004.955	R	20	0.772	0.017	245.7*	0.6	0	
23487+6453	STT 507	17020	2004.972	R	10	0.717	0.004	136.1*	0.3	1	
23487+6453	STT 507AB	17020	2007.964	R	20	0.705	0.012	317.1*	0.4	1	
23488+6213	STT 508	17022	2004.972	R	20	1.493	0.008	195.8*	0.6	0	
23516+4205	STT 510	17050	2004.952	R	20	0.596	0.012	301.8*	1.4	0	
23516+4205	STT 510AB	17050	2006.954	R	20	0.590	0.008	120.0*	1.1	0	
23522+4331	BU 728	17063	2007.879	W	20	1.246	0.008	8.3	0.3	0	
23522+4331	BU 728	17063	2004.952	R	20	1.232	0.008	8.6!	0.5	0	
23576+4804	A 799	17122	2007.915	W	20	2.019	0.010	190.9*	0.3	0	
23579+5723	STF3047AB	17126	2007.964	W	20	1.122	0.017	70.5*	0.8	0	
23587-0333	BU 730	17137	2005.034	R	10	0.247	0.012	316.9	1.4	1	NF R=nodata SR=nodata T=no

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	Orb.	Notes
23587-0333	BU 730	17137	2005.034	R	20	—	—	—	—	1	NF
23590+5315	HLD 59AB	17141	2007.964	W	20	1.173	0.008	12.6*	0.4	0	
23590+5315	HLD 59AB	17141	2006.954	R	20	1.155	0.013	12.5	0.7	0	
23590+5545	STF3049AB	17140	2007.964	R	20	3.073	0.017	325.9*	0.3	0	
23590+5545	STF 3049	17140	2004.955	R	20	3.127	0.016	146.2*	0.4	0	
23592+7448	BU 1154	17143	2004.972	R	20	1.207	0.008	150.1!	0.3	0	
23595+3343	STF 3050 AB	17149	2005.029	R	20	2.136	0.011	332.3*	0.3	1	
"	"	"	2005.034	R	20	2.123	0.011	332.4*	0.5	1	
23595+3343	STF 3050	17149	2004.881	R	20	2.128	0.011	152.1*	0.3	1	
"	"	"	2004.944	R	20	2.148	0.014	152.2*	0.3	1	
"	"	"	2004.952	R	20	2.131	0.011	152.2*	0.3	1	
23595+3343	STF3050AB	17149	2007.915	R	20	2.196	0.011	334.3*	0.5	1	
23595+3343	STF3050AB	17149	2005.900	R	20	2.151	0.015	333.1*	0.3	1	

Note: In column 9, the exponent \* indicates that the position angle  $\theta$  could be determined without the 180 $^\circ$  ambiguity. Wrong quadrant relative to WDS CHARA for 110105\_ads1226\_Rd (Q=2, WT=311.0)  
Wrong quadrant relative to WDS CHARA for 060205\_ads2628\_Rd (Q=3, WT=42.0)  
Wrong quadrant relative to WDS CHARA for 170205\_ads2980\_Rd (Q=2, WT=316.0)  
Wrong quadrant relative to WDS CHARA for 080205\_ads3799\_Rd (Q=1, WT=241.0)  
Wrong quadrant relative to WDS CHARA for 190305\_ads4208\_Rd (Q=2, WT=323.0)  
Wrong quadrant relative to WDS CHARA for 040405\_ads5514\_Vd (Q=4, WT=138.0)  
Wrong quadrant relative to WDS CHARA for 040405\_ads5514\_Rd (Q=4, WT=138.0)  
Wrong quadrant relative to WDS CHARA for 260405\_ads8094\_Rd (Q=2, WT=321.0)  
Wrong quadrant relative to WDS CHARA for 240505\_ads8820\_sfd (Q=3, WT=17.0)  
Wrong quadrant relative to WDS CHARA for 200605\_ads9460\_Rd (Q=4, WT=161.0)  
Wrong quadrant relative to WDS CHARA for 230605\_ads9557\_Rd (Q=1, WT=226.0)  
Wrong quadrant relative to WDS CHARA for 230605\_ads9628\_Rd (Q=2, WT=274.0)  
Wrong quadrant relative to WDS CHARA for 131204\_ads15988\_Vd\_8\_a (Q=2, WT=299.0)  
Wrong quadrant relative to WDS CHARA for 150705\_cou106\_Rd\_8\_a (Q=2, WT=277.0)  
Wrong quadrant relative to WDS CHARA for 080805\_ads10052\_Rd\_8\_a (Q=4, WT=154.0)  
Wrong quadrant relative to WDS CHARA for 261005\_kui93\_Rd\_8\_a (Q=2, WT=317.0)  
Wrong quadrant relative to WDS CHARA for 191105\_ads710\_Rd\_8\_a (Q=1, WT=219.0)  
Wrong quadrant relative to WDS CHARA for 241105\_ads1097\_Rd\_8\_a (Q=2, WT=287.0)  
Wrong quadrant relative to WDS CHARA for 100106\_ads416\_Rd\_8\_a (Q=2, WT=262.0)  
Wrong quadrant relative to WDS CHARA for 130306\_ads4208\_Rd\_8\_a (Q=2, WT=322.0)  
Wrong quadrant relative to WDS CHARA for 301006\_ads12770\_sfd\_8\_a (Q=1, WT=243.0)  
Wrong quadrant relative to WDS CHARA for 301106\_ads15950\_sfd\_8\_a (Q=2, WT=284.0)  
Wrong quadrant relative to WDS CHARA for 131206\_ads16037ab\_sfd\_8\_a (Q=2, WT=308.0)  
Wrong quadrant relative to WDS CHARA for 130307\_ads4208ab\_Rd\_8\_a (Q=2, WT=322.0)  
Wrong quadrant relative to WDS CHARA for 140307\_mca27\_Rd\_8\_a (Q=2, WT=289.0)  
Wrong quadrant relative to WDS CHARA for 270807\_ads10905\_Rd\_8\_a (Q=2, WT=292.0)  
Wrong quadrant relative to WDS CHARA for 270807\_ads11558\_Rd\_8\_a (Q=2, WT=320.0)  
Wrong quadrant relative to WDS CHARA for 181107\_ads16204ab\_sfd\_8\_a (Q=3, WT=16.0)  
Wrong quadrant relative to WDS CHARA for 301107\_ads17122\_sfd\_8\_a (Q=3, WT=12.0)  
Wrong quadrant relative to WDS CHARA for 131207\_ads15954\_sfd\_8\_a (Q=4, WT=166.0)  
Wrong quadrant relative to WDS CHARA for 191207\_ads10\_sfd\_8\_a (Q=2, WT=293.0)  
Wrong quadrant relative to WDS CHARA for 211207\_ads16307\_Rd\_8\_a (Q=1, WT=197.0)  
Wrong quadrant relative to WDS CHARA for 211207\_ads16958\_sfd\_8\_a (Q=1, WT=183.0)  
Wrong quadrant relative to WDS CHARA for 140308\_ads5570\_Rd\_8\_a (Q=2, WT=306.0)  
Wrong quadrant relative to WDS CHARA for 280608\_ads8804\_Rd\_8\_a (Q=2, WT=12.0)  
Wrong quadrant relative to WDS CHARA for 240808\_ads10988\_sfd\_8\_a (Q=2, WT=269.0)  
Wrong quadrant relative to WDS CHARA for 280808\_ads10945\_sfd\_8\_a (Q=3, WT=24.0)  
Wrong quadrant relative to WDS CHARA for 010908\_ads11635Cc-D\_Rd\_8\_a (Q=1, WT=348.0)  
Wrong quadrant relative to WDS CHARA for 290908\_ads11778\_sfd\_8\_a (Q=3, WT=56.0)  
Wrong quadrant relative to WDS CHARA for 191008\_ads13269\_Rd\_8\_a (Q=1, WT=239.0)  
Wrong quadrant relative to WDS CHARA for 191108\_ads15007\_Rd\_8\_a (Q=1, WT=262.0)

Last input file: astrom08\_PaperIX.tex

Number of objects: 1703

Number of observations: 1805 with 1768 measurements and 37 cases of no detection

Quadrant was determined for 1161 measurements (including 134 uncertain determinations)

Warning: 41 quadrant values are inconsistent with CHARA theta last measurements!

OK: 1120 quadrant values are consistent with CHARA theta last measurements!

In column 9, \* indicates that  $\theta$  was determined with our quadrant value (or with the long integration)

In column 9, ! indicates that  $\theta$  could not be determined neither with this value, nor with WDS CHARA last measurement