

Wrong quadrant relative to WDS CHARA for 220109_ads710_sfd_8_a (Q=1, WT=220.0)
Wrong quadrant relative to WDS CHARA for 190209_ads2980_Rd_8_a (Q=2, WT=317.0)
Wrong quadrant relative to WDS CHARA for 220509_ads8820_sfd_8_a (Q=3, WT=17.0)
Wrong quadrant relative to WDS CHARA for 150709_ads9498_sfd_8_a (Q=2, WT=351.0)
Wrong quadrant relative to WDS CHARA for 150709_ads9530_sfd_8_a (Q=3, WT=50.0)
Wrong quadrant relative to WDS CHARA for 270809_ads10905_Rd_8_a (Q=2, WT=291.0)
Wrong quadrant relative to WDS CHARA for 010909_ads11558_Rd_8_a (Q=2, WT=320.0)
Wrong quadrant relative to WDS CHARA for 031009_ads14839_sfd_8_a (Q=3, WT=79.0)
Input file: astrom09_25may10.tex*
Number of objects: 347
Number of observations: 347 with 345 measurements and 2 cases of no detection
Quadrant was determined for 280 measurements (including 18 uncertain determinations)
Warning: 8 quadrant values are inconsistent with CHARA theta last measurements!
OK: 272 quadrant values are consistent with CHARA theta last measurements!
In column 9, * indicates that θ was determined with our quadrant value (or with the long integration)
In column 9, ! indicates that θ could not be determined neither with this value, nor with WDS CHARA
last measurement

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	ρ (")	σ_ρ (")	θ ($^\circ$)	σ_θ ($^\circ$)	Orb.	Notes
00134+2659	STT2	161	2009.960	R	10	0.415	0.003	161.3*	0.4	1	
00210+6740	HJ1018	283	2009.960	R	20	1.683	0.008	86.8*	0.3	1	
00218+6628	STT7	296	2009.960	W	20	0.886	0.008	126.9*	0.7	0	
00442+4614	STF52	616	2009.957	W	20	1.373	0.008	3.0*	0.3	0	
00481+2533	HO306	662	2009.034	R	20	1.458	0.015	159.3*	0.6	0	
00504+5038	BU232	684	2009.034	R	20	0.880	0.008	250.4	0.9	1	
00516+6859	BU781	692	2009.062	W	20	1.058	0.009	23.0*	0.8	0	
00521+1036	STF67	709	2009.957	W	20	2.241	0.011	349.9*	0.4	0	
00527+6852	STF65	710	2009.062	W	20	3.292	0.034	39.5*	0.8	0	
00528+5638	BU1	719	2009.062	W	20	3.949	0.032	133.4*	0.3	0	(BU 1AC)
00528+5638	BU1	719	2009.062	W	20	1.530	0.020	81.3*	0.4	0	(BU 1AB)
01004+1803	BRT1927	—	2009.957	W	20	1.908	0.010	171.8*	0.3	0	
01197+6135	KR11	1062	2009.081	W	20	1.975	0.010	57.9*	0.9	0	
01198-0031	STF113	1081	2009.081	R	20	1.647	0.008	20.4*	0.6	0	
01201+4357	DA8	1079	2009.081	W	20	2.642	0.013	141.1*	0.3	0	
01208+5612	BU782	1089	2009.081	W	20	3.171	0.016	82.0*	0.3	0	
01283+4247	AC14	1161	2009.034	R	20	0.780	0.008	91.1*	2.1	0	
01355+3118	STF137	1243	2009.081	W	20	3.381	0.019	85.0*	0.3	0	
01493+4754	STF162	1438	2009.034	R	20	1.944	0.034	199.2*	0.3	0	
01559+0151	STF186	1538	2009.081	R	20	0.858	0.008	245.5	0.4	1	
02037+2556	STF208	1631	2009.111	R	20	1.275	0.008	340.9*	0.3	1	
02123+2357	STF226	1696	2009.111	R	20	1.761	0.013	231.9*	0.6	0	
02140+4729	STF228	1709	2009.108	R	20	0.844	0.015	290.2*	0.4	1	
02213+3726	STF250	1790	2009.108	W	20	3.174	0.035	135.7*	0.3	0	
02313+4703	A968	1908	2009.075	W	20	1.694	0.028	26.2*	0.4	0	
02331+5828	STF272	1933	2009.075	W	20	1.941	0.047	215.7*	1.2	0	
02471+3533	BU9	2117	2009.111	R	20	1.006	0.008	209.6*	0.7	0	
03054+2515	STF346	2336	2009.081	R	10	0.406	0.003	253.6	0.7	1	Elongated
03127+7133	STT50	2377	2009.081	R	20	0.887	0.008	130.4	0.8	1	New comp.?
03127+7133	STT50	2377	2009.081	R	20	1.037	0.008	150.6	0.5	1	(STT50AB)
03177+3838	STT53	2446	2009.144	R	20	0.676	0.010	240.4	1.5	1	
03280+5511	STF386	2537	2009.144	W	20	2.635	0.013	58.4*	1.4	0	
03306+4947	HLD8	2574	2009.144	W	20	2.311	0.062	176.6*	1.3	0	
03344+2428	STF412	2616	2009.081	R	10	0.712	0.004	353.7	0.3	1	
03350+6002	STF400	2612	2009.138	R	20	1.568	0.008	266.4*	0.8	1	
03356+3141	BU533	2628	2009.138	R	20	1.049	0.010	221.6*	0.4	0	
03372+0121	A2419	2647	2009.163	W	20	0.770	0.008	99.9*	0.3	0	
03401+3407	STF425	2668	2009.139	R	20	1.970	0.010	61.9*	0.3	0	
03443+3217	BU535	2726	2009.139	R	20	1.046	0.008	22.8*	0.3	0	
03446+3551	HO504	2729	2009.144	W	20	1.108	0.029	192.4	0.3	0	
03520+0632	KUI15	—	2009.139	R	20	0.785	0.011	207.2*	0.4	0	
04041+3931	STF483	2959	2009.163	R	20	1.409	0.013	56.6*	0.5	1	
04064+4325	A1710	2980	2009.139	R	20	0.636	0.008	132.8*	0.9	1	
04139+0916	BU547	3072	2009.139	R	20	1.231	0.009	340.7*	0.6	0	Faint
04159+3142	STT77	3082	2009.081	R	20	0.540	0.016	292.4	0.3	1	
04182+2248	STF520	3114	2009.081	R	20	0.590	0.010	77.0	1.8	1	
04225+5136	STF522	3147	2009.081	W	20	1.491	0.020	211.5	0.9	0	
04301+1538	STF554	3264	2009.163	R	20	1.535	0.008	16.6*	0.5	1	
05010+1430	D6	3600	2009.163	W	20	1.103	0.011	101.8*	0.4	0	
05055+1948	STT95	3672	2009.163	R	20	0.903	0.009	297.1*	0.3	0	
05103+3718	STF644	3734	2009.199	R	20	1.625	0.012	221.4*	0.3	0	
05135+0158	STT517	3799	2009.199	R	20	0.700	0.022	240.0	1.4	1	
05177+0441	STF678	3873	2009.207	W	20	3.625	0.018	102.6*	1.2	0	
05238+5334	A1560	3952	2009.207	W	20	1.152	0.011	219.3	1.1	0	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	ρ (")	σ_ρ (")	θ ($^\circ$)	σ_θ ($^\circ$)	Orb.	Notes
05247+6323	STF677	3956	2009.199	R	20	1.095	0.034	119.1*	1.7	1	Diffuse
05302+4117	STF715	4083	2009.207	W	20	0.840	0.008	202.8*	0.5	0	Elongated
05307+1154	A2705	4109	2009.207	W	20	0.962	0.022	249.3*	0.7	0	
05308+0557	STF728	4115	2009.081	R	20	1.238	0.012	45.0*	0.4	1	
05312+0318	STF729	4123	2009.139	R	20	1.890	0.029	27.3*	0.4	0	
05339+4447	STF727	4137	2009.081	W	20	2.191	0.011	58.0*	0.3	0	
05352+3358	AG97	4165	2009.163	W	20	2.075	0.024	269.7*	0.3	0	
05364+2200	STF742	4200	2009.139	R	20	4.124	0.026	273.4*	0.3	1	
05371+2655	STF749	4208	2009.081	R	20	1.109	0.018	141.4*	0.3	1	
05371+4150	STF736	4204	2009.139	R	20	2.560	0.015	359.7*	0.3	0	
05399+3757	STT112	4243	2009.081	R	20	0.866	0.011	50.0*	0.4	0	
05474+2939	BU560	4371	2009.139	R	20	1.661	0.011	125.0*	0.4	0	
05480+0627	STF795	4390	2009.139	R	20	1.030	0.008	219.0*	0.5	0	
06228+1734	STF899	4991	2009.081	R	20	2.142	0.021	17.9*	0.3	0	
06277+1822	COU41	—	2009.207	W	20	1.187	0.015	40.6	1.2	0	
06289+4007	STF905	5088	2009.207	W	20	1.948	0.014	128.1*	0.3	0	
06462+5927	STF948	5400	2009.081	R	20	1.875	0.012	68.8*	0.3	1	
06573+5825	STT159	5586	2009.139	R	10	0.625	0.003	229.6*	0.6	1	
07128+2713	STF1037	5871	2009.139	R	20	1.015	0.008	308.8	0.4	1	
07176+0918	STT170	5958	2009.267	R	10	0.236	0.004	341.5*	1.0	1	
07303+4959	STF1093	6117	2009.264	W	20	0.860	0.008	201.1*	0.5	1	
07346+3153	STF1110	6175	2009.264	V	20	4.615	0.023	58.1*	0.3	1	
07417+3726	STT177	6276	2009.267	R	20	0.528	0.014	150.3	1.6	1	
07486+2308	WRH15	6378	2009.267	R	10	0.273	0.003	32.2*	1.0	1	
08024+0409	STF1175	6532	2009.267	R	20	1.395	0.008	282.5*	0.3	1	
08041+3302	STT187	6549	2009.267	R	10	0.410	0.003	340.0	0.3	1	
08095+3213	STF1187	6623	2009.207	R	20	3.042	0.030	22.1*	0.7	1	
08507+1800	A2473	7039	2009.265	R	10	0.256	0.003	81.7	0.7	1	
08531+5457	A1584	7054	2009.139	R	20	0.627	0.008	83.4*	0.3	1	
08539+1958	COU773	—	2009.267	R	20	—	—	—	—	1	unres
08554+7048	STF1280	7067	2009.207	R	20	2.315	0.012	350.3*	0.3	1	
09006+4147	KUI37	—	2009.265	R	10	0.456	0.005	289.0*	0.5	1	
09104+6708	STF1306	7203	2009.207	R	20	4.167	0.022	350.0*	0.3	1	NF
09179+2834	STF3121	7284	2009.207	R	20	0.547	0.009	213.9	0.5	1	
09210+3811	STF1338	7307	2009.139	R	20	1.070	0.012	299.2	0.5	1	
09245+0621	STF1348	7352	2009.267	R	20	1.936	0.010	314.3	0.3	0	
09245+1808	A2477	7341	2009.207	R	20	0.419	0.008	358.1	1.8	1	
09273+0614	STF1355	7380	2009.267	R	20	1.803	0.032	353.1*	0.4	0	
09285+0903	STF1356	7390	2009.267	R	10	0.722	0.008	101.8*	0.5	1	
09521+5404	STT208	7545	2009.265	R	10	0.342	0.007	290.8*	0.8	1	
10163+1744	STT215	7704	2009.265	R	20	1.459	0.008	177.2*	0.5	1	
10205+0626	STF1426	7730	2009.349	R	20	0.916	0.008	310.3*	0.7	1	
10227+1521	STT216	7744	2009.330	R	20	2.194	0.014	234.2*	0.3	1	NF
10250+2437	STF1429	7758	2009.330	W	20	0.755	0.008	160.2*	0.6	1	
10269+1713	STT217	7775	2009.330	R	20	0.749	0.008	149.1*	0.5	1	
10397+0851	STT224	7871	2009.330	R	20	0.505	0.008	142.9*	0.6	1	
11037+6145	BU1077	8035	2009.385	V	10	0.557	0.003	24.9*	0.3	1	
11037+6145	BU1077	8035	2009.382	R	10	0.569	0.009	25.5*	0.7	1	
11037+6145	BU1077	8035	2009.207	V	10	0.542	0.005	26.1*	0.3	1	
11136+5525	A1353	8092	2009.207	R	20	0.577	0.008	211.4*	0.4	1	
11137+2008	STF1517	8094	2009.396	R	10	0.638	0.003	317.6	0.9	1	
11182+3132	STF1523	8119	2009.265	R	20	1.594	0.008	215.0*	0.3	1	
11190+1416	STF1527	8128	2009.385	R	10	0.323	0.003	175.3	0.6	1	
11190+1416	STF1527	8128	2009.265	R	10	0.311	0.003	174.6	0.6	1	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	ρ (")	σ_ρ (")	θ ($^\circ$)	σ_θ ($^\circ$)	Orb.	Notes
11190+1416	STF1527	8128	2009.207	R	10	0.316	0.007	172.6	0.6	1	
11190+1416	STF1527	8128	2009.396	R	10	0.322	0.005	175.5*	0.3	1	
11190+1416	STF1527	8128	2009.382	R	10	0.319	0.004	175.2	0.9	1	
11190+1416	STF1527	8128	2009.330	R	10	0.317	0.005	174.9	0.3	1	
11190+1416	STF1527	8128	2009.390	R	10	0.313	0.003	175.1	0.7	1	
11190+1416	STF1527	8128	2009.349	R	10	0.302	0.003	175.4*	0.3	1	
11239+1032	STF1536	8148	2009.331	R	20	1.930	0.014	100.9*	0.3	1	
11308+4117	STT234	8189	2009.265	R	20	0.489	0.008	171.2	1.1	1	
11323+6105	STT235	8197	2009.265	R	20	0.770	0.008	20.5*	0.3	1	
11363+2747	STF1555	8231	2009.390	R	10	0.729	0.004	148.9*	0.4	1	
11388+6421	STF1559	8249	2009.391	R	20	1.957	0.010	322.9*	0.3	0	
11390+4109	STT237	8252	2009.391	R	20	2.024	0.014	244.1*	0.5	1	
11486+1417	BU603	8311	2009.396	R	20	1.025	0.017	335.0*	0.9	1	
11520+4805	HU731	8325	2009.391	W	20	1.094	0.008	308.6*	0.3	1	Elongated
11537+7345	BU794	8337	2009.391	R	20	0.524	0.011	50.3*	1.0	1	
12108+3953	STF1606	8446	2009.396	R	20	0.444	0.014	157.3*	1.2	1	
12244+2535	STF1639	8539	2009.396	R	20	1.788	0.009	323.9*	0.3	1	
12306+0943	STF1647	8575	2009.396	W	20	1.279	0.011	246.7*	0.6	1	
12409+0850	STF1668	8625	2009.382	R	20	1.131	0.008	187.1	0.6	0	
12417-0127	STF1670	8630	2009.385	R	20	1.258	0.009	28.6*	0.6	1	
12417-0127	STF1670	8630	2009.448	RL	20	1.258	0.009	27.2*	0.5	1	
12417-0127	STF1670	8630	2009.382	R	20	1.244	0.008	28.3*	0.7	1	
12417-0127	STF1670	8630	2009.330	R	20	1.231	0.008	28.6*	0.3	1	
12592+8256	STF1720	8738	2009.385	W	20	1.622	0.014	329.3*	0.5	0	Elongated
13007+5622	BU1082	8739	2009.382	R	20	1.098	0.008	99.0*	0.3	1	
13048+7302	BU799	8772	2009.385	R	20	1.367	0.012	265.7*	0.3	0	
13064+2109	COU11	—	2009.385	R	20	1.693	0.008	315.8*	0.4	0	
13128+4030	A1606	8820	2009.391	W	20	1.290	0.008	196.3*	0.4	0	
13375+3618	STF1768	8974	2009.391	R	20	1.750	0.010	96.7*	0.3	1	
14131+5520	STF1820	9167	2009.505	R	20	2.694	0.013	119.7*	0.3	1	
14531+7811	HU908	9445	2009.541	R	20	1.536	0.008	237.4*	0.4	0	
14568+7050	STF1905	9460	2009.541	W	20	2.826	0.014	161.0*	0.3	0	
15038+4739	STF1909	9494	2009.538	R	20	1.695	0.008	58.9*	0.4	1	
15056+1138	STF1907	9498	2009.538	W	20	0.886	0.008	169.9*	1.7	0	
15116+1007	A1116	9530	2009.538	W	20	0.843	0.018	233.0*	1.1	0	
15232+3017	STF1937	9617	2009.391	R	10	0.564	0.003	160.6*	0.3	1	
15245+3723	STF1938	9626	2009.391	R	20	2.276	0.011	5.9*	0.3	1	
15246+5413	HU149	9628	2009.541	R	20	0.658	0.011	270.8	0.4	0	
15264+4400	STT296	9639	2009.599	W	20	2.099	0.019	274.8*	0.3	0	Elongated
15278+2906	JEF1	—	2009.541	R	10	0.203	0.008	131.4*	1.7	1	Diffuse
15329+3122	COU610	—	2009.599	R	20	0.825	0.008	198.7*	0.7	0	
15360+3948	STT298	9716	2009.541	R	20	1.058	0.008	177.9*	0.5	1	
16133+1332	STF2021	9969	2009.593	R	20	4.091	0.020	356.1*	0.3	1	
16137+4638	A1642	9975	2009.539	W	20	0.747	0.008	182.0*	1.2	1	
16145+0531	STF2023	9974	2009.615	W	20	1.902	0.010	224.0*	0.3	0	
16160+0721	STF2026	9982	2009.593	W	20	3.407	0.017	17.6*	0.3	1	
16231+4738	STF2047	10038	2009.599	W	20	1.830	0.009	324.6*	0.3	0	
16238+6142	STF2054	10052	2009.599	R	20	0.979	0.008	351.0*	0.5	0	
16279+2559	STF2049	10070	2009.612	R	20	1.125	0.008	195.1*	0.3	0	
16289+1825	STF2052	10075	2009.541	R	20	2.236	0.017	120.2*	0.3	1	
16309+0159	STF2055	10087	2009.612	R	20	1.418	0.008	36.9*	0.5	1	
16309+3804	STF2059	10093	2009.612	W	20	0.373	0.016	181.9	2.1	0	Elongated
16326+4007	STT313	10111	2009.615	R	20	0.934	0.008	129.9*	0.3	0	
16362+5255	STF2078	10129	2009.637	R	20	3.113	0.016	104.1*	0.3	0	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	ρ (")	σ_ρ (")	θ ($^\circ$)	σ_θ ($^\circ$)	Orb.	Notes
16420+7353	MLR198	—	2009.637	R	10	0.219	0.005	250.0	0.9	1	
16448+3544	STF2097	10193	2009.637	W	20	1.924	0.015	79.3*	0.3	0	
16458+3538	STF2101	10203	2009.670	R	20	4.115	0.021	47.5*	0.3	0	
16483+0244	BU43	10217	2009.645	R	20	1.392	0.008	54.9	0.5	0	
16514+0113	STT315	10230	2009.645	R	10	0.643	0.003	313.3*	0.3	1	Elongated
16518+2840	STF2107	10235	2009.593	R	20	1.426	0.008	100.8*	0.5	1	
16540+2906	A350	10253	2009.656	W	20	0.594	0.010	148.7*	1.1	0	
16564+6502	STF2118	10279	2009.541	R	20	1.037	0.008	66.5*	0.5	1	
16567+1408	STT318	10270	2009.656	R	20	2.840	0.026	242.3*	0.3	0	NF
16567+1408	STT318	10270	2009.656	R	20	0.209	0.009	301.1	2.0	0	Inner Peaks(Artefacts?)
16581+1509	STT319	10277	2009.656	R	20	0.846	0.008	64.3*	0.4	0	
17020+0827	STF2114	10312	2009.593	R	20	1.318	0.009	194.4*	0.3	0	
17053+5428	STF2130	10345	2009.541	R	20	2.394	0.012	8.5*	0.3	1	
17082-0105	A1145	10355	2009.659	R	20	0.663	0.008	346.5*	0.3	1	
17131+5408	STF2146	10410	2009.593	W	20	2.664	0.013	224.4*	0.3	0	
17166-0027	A2984	10429	2009.599	R	20	0.810	0.008	14.7*	0.5	1	
17240+3835	HU1179	10531	2009.689	R	10	0.271	0.003	274.6*	0.4	1	
17246+1536	STF2160	10528	2009.667	R	20	3.813	0.019	65.9*	0.3	0	
17266+3546	STF2168	10558	2009.612	W	20	2.295	0.011	201.4*	0.3	0	
17290+5052	STF2180	10597	2009.612	R	20	3.047	0.019	259.2	0.3	0	
17304-0104	STF2173	10598	2009.713	R	10	0.722	0.004	155.7*	0.3	1	
17320+0249	STT331	10614	2009.637	W	20	1.000	0.021	350.4*	1.5	0	
17350+6153	BU962	10660	2009.593	R	20	1.055	0.011	317.2*	0.5	1	
17386+5546	STF2199	10699	2009.686	W	20	2.030	0.010	56.0*	0.3	1	
17400-0038	BU631	10696	2009.689	W	10	—	—	—	—	1	Too elongated
17400-0038	BU631	10696	2009.689	R	10	0.255	0.003	90.3	1.1	1	
17403+6341	STF2218	10728	2009.541	R	20	1.466	0.008	311.8*	0.3	0	
17412+4139	STF2203	10722	2009.541	R	20	0.741	0.017	293.2	0.3	0	
17434+3357	HO560	10742	2009.637	W	20	1.334	0.015	263.1*	0.3	0	
17436+2237	HU1285	10743	2009.686	W	20	0.596	0.012	214.9	1.1	1	
17464+0542	STF2212	10779	2009.659	W	20	3.220	0.020	341.0	0.4	0	
17512+4454	STF2242	10849	2009.637	R	20	3.352	0.017	325.8	0.3	0	
17520+1520	STT338	10850	2009.615	R	20	0.811	0.008	165.3*	0.4	0	
17533+4000	BU130	10875	2009.645	V	20	1.585	0.011	110.3*	0.5	0	NF
17533+4000	BU130	10875	2009.645	RL	20	1.567	0.020	110.1*	0.6	0	NF
17533+4000	BU130	10875	2009.637	R	20	1.574	0.027	110.1	0.7	0	
17541+2949	AC9	10880	2009.615	W	20	1.067	0.008	241.0*	0.5	0	
17564+1820	STF2245	10905	2009.656	R	20	2.613	0.013	111.1*	0.3	0	
17571+0004	STF2244	10912	2009.683	R	10	0.631	0.003	98.4	0.3	1	
18014+6557	STF2284	11016	2009.667	W	20	3.589	0.018	191.6*	0.3	0	
18018+0118	BU1125	10990	2009.659	R	10	0.488	0.007	139.6*	0.3	1	
18025+4414	BU1127	11010	2009.683	R	20	0.740	0.010	53.0*	0.8	1	
18070+3034	AC15	11077	2009.659	RL	20	1.089	0.012	311.8*	0.4	1	
18078+2606	CHR67	11089	2009.656	R	10	0.242	0.007	136.1	1.0	1	NF
18096+0400	STF2281	11111	2009.713	R	10	0.633	0.003	288.4*	0.3	1	
18096+0609	STF2283	11110	2009.615	W	20	0.646	0.013	55.9*	1.0	0	
18097+5024	HU674	11128	2009.683	R	20	0.736	0.008	215.9*	0.7	1	
18101+1629	STF2289	11123	2009.686	R	20	1.231	0.008	219.4*	0.5	1	
18113+6915	STF2307	11178	2009.667	W	20	4.349	0.022	205.5*	0.3	0	
18118+3327	HO82	11149	2009.656	RL	20	0.686	0.010	218.3*	0.8	0	
18121+2739	STF2292	11155	2009.615	W	20	0.867	0.022	274.7*	0.5	0	
18126-0329	A83	11154	2009.670	W	20	0.739	0.010	303.3*	0.4	0	Elongated
18126+3836	BU1091	11170	2009.593	W	20	0.710	0.011	319.9*	0.5	0	
18146+0011	STF2294	11186	2009.686	W	20	1.307	0.010	93.2*	0.3	1	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	ρ (")	σ_ρ (")	θ ($^\circ$)	σ_θ ($^\circ$)	Orb.	Notes
18208+7120	STT353	11311	2009.683	R	10	0.491	0.003	266.5*	0.4	1	
18218+2130	BU641	11287	2009.615	R	20	0.775	0.011	341.1	1.1	0	
18239+5848	STF2323	11336	2009.656	R	20	3.728	0.019	348.3*	0.3	0	NF
18250-0135	AC11	11324	2009.689	R	20	0.883	0.008	355.8*	0.3	1	
18250+2724	STF2315	11334	2009.684	R	20	0.657	0.008	118.7*	0.4	1	
18253+4846	STT351	11344	2009.656	R	20	0.941	0.012	27.7*	0.4	0	Outer Peaks(HU66BC)
18253+4846	STT351	11344	2009.656	R	20	0.179	0.013	40.8	1.9	0	In-Out Peaks(HU66AB)
18253+4846	STT351	11344	2009.656	R	20	0.768	0.008	24.6*	0.3	0	Inner Peaks(STT351AC)
18261+0047	BU1203	11339	2009.689	R	20	0.479	0.020	157.3*	1.1	1	
18269+0625	STT350	11349	2009.659	W	20	1.827	0.009	166.3*	0.3	0	
18272+0012	STF2316	11353	2009.689	R	20	3.679	0.018	319.6*	0.3	0	
18272+0012	STF2316	11353	2009.689	R	10	0.216	0.012	296.9	2.3	0	Elongated
18278+2442	STF2320	11373	2009.659	R	20	1.110	0.014	359.6	0.7	0	
18295+2955	STF2328	11397	2009.667	W	20	3.689	0.018	71.5*	0.3	0	Elongated
18310+0123	STF2324	11410	2009.667	W	20	2.366	0.012	148.2*	0.3	0	
18314+0628	STF2329	11420	2009.667	W	20	4.229	0.021	43.0*	0.3	0	
18320+0647	STT354	11432	2009.659	W	20	0.616	0.012	211.7*	1.4	0	
18339+5221	A1377	11468	2009.714	R	10	0.240	0.003	125.2*	0.7	1	
18355+2336	STT359	11479	2009.684	R	20	0.740	0.008	5.5*	1.0	1	
18359+1659	STT358	11483	2009.684	R	20	1.641	0.009	150.6*	0.3	1	
18360+1144	STT357	11484	2009.670	R	20	0.391	0.011	83.5	1.3	1	
18374+7741	STT363	11584	2009.714	R	20	0.447	0.012	338.9*	0.6	1	Elongated
18384+0850	HU198	11524	2009.670	R	20	0.461	0.008	125.8*	1.3	1	
18389+5221	STF2368	11558	2009.670	R	20	1.888	0.009	140.3*	0.3	0	
18413+3018	STF2367	11579	2009.659	R	10	0.392	0.008	74.3	0.3	1	NF
18443+3940	STF2383CD	11635	2009.612	R	20	2.372	0.012	78.6*	0.3	1	(CD pair)
18443+3940	STF2382AB	11635	2009.612	R	20	2.329	0.012	347.7*	0.3	1	(AB pair)
18455+0530	STF2375	11640	2009.659	RL	20	2.562	0.013	119.7*	0.3	0	Elongated
18458+3431	STF2390	11669	2009.670	R	20	4.213	0.021	154.9*	0.3	0	
18469+5920	STF2410	11697	2009.615	W	20	1.691	0.009	85.7*	0.3	0	
18472+3125	STF2397	11685	2009.670	W	20	3.896	0.021	267.0*	0.3	0	NF
18540+3723	BU137	11811	2009.615	W	20	1.552	0.008	162.4*	0.3	0	
18545+2037	STF2415	11816	2009.670	RL	20	1.999	0.010	289.4*	0.4	0	NF
18549+3358	STT525	11834	2009.741	RL	20	1.779	0.012	129.7*	0.6	0	NF
18559+0323	A2193	11844	2009.746	W	20	0.884	0.008	355.0*	0.7	0	
18570+3254	BU648	11871	2009.741	RL	20	1.052	0.011	257.4*	0.5	1	
18571+2606	STF2422	11869	2009.667	R	20	0.767	0.008	70.9	0.6	0	
18575+5814	STF2438	11897	2009.741	R	20	0.843	0.010	358.3*	0.6	1	
18576+3209	A260	11879	2009.746	W	20	0.895	0.008	245.1*	0.3	0	
18581+4711	AG366	11899	2009.667	R	20	1.459	0.008	190.1	0.3	0	
18588+0207	MIL6	11891	2009.817	W	20	0.546	0.009	86.5*	0.7	0	Elongated
18594+2936	STF2430	11914	2009.667	W	20	1.537	0.008	187.1*	0.4	0	
19019+1910	STF2437	11956	2009.744	W	20	0.600	0.011	9.8*	1.0	1	
19037+3545	STF2448	12002	2009.667	W	20	2.445	0.012	191.1*	0.3	0	
19042+3245	BRD4	12008	2009.714	W	20	2.535	0.013	310.1*	0.3	0	
19055+3352	HU940	12033	2009.689	W	20	0.488	0.008	191.3*	1.2	1	
19062+3026	STF2454	12040	2009.744	W	20	1.324	0.011	289.2*	0.8	1	
19070+1104	HEI568	—	2009.689	R	10	0.298	0.004	271.2	0.8	0	
19078+3856	STF2469	12075	2009.714	W	20	1.230	0.008	125.6*	0.3	0	
19079+2948	STF2466	12071	2009.714	W	20	2.398	0.012	101.9*	0.3	0	Elongated
19126+1651	BU139	12160	2009.744	R	20	0.650	0.008	135.4*	0.5	0	
19159+2727	STT371	12239	2009.744	R	20	0.866	0.008	159.8*	0.4	0	
19160+1610	STT368	12236	2009.746	R	20	1.143	0.008	218.7*	0.5	0	
19169+6312	STF2509	12296	2009.746	R	20	1.810	0.009	328.1*	0.3	0	

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	ρ (")	σ_ρ (")	θ ($^\circ$)	σ_θ ($^\circ$)	Orb.	Notes
19177+2302	BU248	12287	2009.746	RL	20	1.695	0.008	128.3*	0.3	0	NF
19186+2157	STF2499	12298	2009.757	W	20	2.600	0.013	323.6*	0.3	0	
19186+5358	A1393	12315	2009.746	W	20	0.701	0.008	253.0*	0.8	0	
19202+3411	HU1300	12334	2009.741	W	20	0.727	0.008	181.8*	0.5	0	
19252+0227	STF2513	12414	2009.741	W	20	1.984	0.010	328.8*	0.3	0	
19252+3708	HJ1395	12427	2009.741	W	20	2.802	0.017	63.0*	0.3	0	
19266+2719	STF2525	12447	2009.615	W	20	2.126	0.019	289.4*	0.3	1	
19269+1204	A1181	12452	2009.684	W	20	0.716	0.011	199.4*	1.3	0	
19334+6203	STF2553	12626	2009.684	W	20	0.973	0.008	128.6*	0.3	0	
19346+1808	STT375	12623	2009.684	W	20	0.648	0.021	183.5*	1.8	0	
19389+5150	BU656	12758	2009.741	W	20	0.888	0.011	271.1*	0.4	0	
19406+6240	STF2574	12803	2009.820	R	20	0.510	0.008	89.5	1.3	0	
19413+3043	BU145	12786	2009.684	W	20	0.809	0.027	271.7*	0.8	0	
19426+1150	STT380	12808	2009.817	R	10	0.394	0.003	75.9*	0.3	0	
19429+4043	STT383	12831	2009.757	R	20	0.795	0.008	14.9*	0.6	0	
19438+3819	STT384	12851	2009.757	R	20	1.049	0.008	196.3	0.5	0	
19450+4508	STF2579	12880	2009.656	RL	20	2.679	0.013	219.1*	0.3	1	
19458+4033	STT385	12904	2009.820	W	20	1.261	0.008	50.5*	0.4	0	
19464+3344	STF2576	12889	2009.656	R	20	2.868	0.018	159.2*	0.3	1	
19471+3321	HU758	12930	2009.818	W	20	0.897	0.010	144.2*	0.7	0	
19487+1149	STF2583	12962	2009.714	R	20	1.458	0.008	104.7*	0.3	0	
19535+2405	DJU4	—	2009.744	RL	20	1.385	0.012	244.8*	0.7	1	
19540+1518	STF2596	13082	2009.757	W	20	2.019	0.010	299.3*	0.3	0	
19556+5226	STF2605	13148	2009.757	RL	20	2.876	0.014	175.4*	0.3	0	
19576+1524	A1663	13166	2009.757	W	20	1.291	0.008	236.3*	0.5	0	
19585+3317	STF2606	13196	2009.757	R	20	0.714	0.010	145.1*	1.1	0	
19594+3206	A378	13212	2009.861	R	20	0.907	0.008	292.3*	0.4	0	
20020+2456	STT395	13277	2009.757	R	10	0.800	0.004	125.0*	0.3	0	
20040+1221	A1194	13314	2009.741	W	20	1.028	0.013	316.5	0.5	0	
20043+3033	STF2626	13329	2009.741	W	20	0.975	0.010	127.7*	0.5	0	
20056+6342	STF2642	13392	2009.746	W	20	1.793	0.009	189.1*	0.3	0	
20074+3543	STT398	13405	2009.741	W	20	0.938	0.012	81.4*	1.0	0	
20080+4223	A382	13415	2009.746	RL	20	1.682	0.011	96.1*	0.3	0	NF
20102+4357	STT400	13461	2009.746	R	20	0.643	0.011	335.4	0.6	1	
20144+4206	STT403	13572	2009.746	R	20	3.395	0.030	154.3	0.3	0	Artefacts ?
20144+4206	STT403	13572	2009.746	R	20	0.942	0.008	170.1	0.5	0	
20198+4522	STT406	13723	2009.818	R	20	0.289	0.008	102.1	1.4	1	
20303+1054	BU63	13920	2009.818	R	20	0.907	0.008	349.6*	0.4	0	
20370+1203	STF2701	14063	2009.757	W	20	2.042	0.010	221.1*	0.4	0	
20375+1436	BU151	14073	2009.757	R	10	0.374	0.003	21.7*	0.5	1	
20423+5723	BU152	14196	2009.861	R	20	1.180	0.008	82.4*	0.6	0	
20449+1219	STF2723	14233	2009.818	R	20	1.038	0.009	136.1*	0.5	0	
20450+1244	BU64	14238	2009.818	W	20	0.664	0.010	353.1	0.5	1	
20471+2525	BU364	14286	2009.818	W	0	0.788	0.008	70.4	0.3	0	
20478+0600	BU65	14293	2009.818	RL	20	1.491	0.008	198.9*	0.5	0	
20481+2727	BU66	14312	2009.747	W	20	1.051	0.012	168.3*	0.3	0	
20486+5029	BU366	14331	2009.747	W	20	1.481	0.008	129.6*	0.3	0	
20511+0623	STF2730	14359	2009.741	W	20	3.307	0.020	333.2*	0.3	0	
20531+2909	STT417	14397	2009.741	W	20	0.882	0.008	27.5*	0.6	0	Elongated
20591+0418	STF2737	14499	2009.747	R	10	0.535	0.003	284.8	0.4	1	
20595+5013	BU68	14520	2009.861	W	20	1.922	0.010	148.5*	0.3	0	
20598+6152	BU472	14540	2009.861	W	20	0.775	0.008	15.3*	0.5	0	
21015+6643	HU959	14578	2009.861	W	20	1.291	0.008	161.3*	0.3	0	Elongated
21055+6210	HU765	14634BC	2009.861	W	20	0.787	0.008	28.0*	0.8	0	(ADS 14634)

WDS	Name	ADS	Epoch	Fil.	Eyep. (mm)	ρ ($''$)	σ_ρ ($''$)	θ ($^\circ$)	σ_θ ($^\circ$)	Orb.	Notes
21183+3456	BU289	14837	2009.820	W	20	0.795	0.012	127.0*	0.3	0	(ADS 14837)
21186+1134	BU163	14839	2009.757	W	20	0.801	0.008	257.4*	1.5	1	
21199+4307	COU2439	—	2009.820	W	20	0.722	0.011	265.4*	0.9	0	
21227+5214	HU591	14931	2009.820	W	20	0.725	0.008	128.1*	0.3	0	(ADS 14931)
21237+5518	A1892	14945	2009.820	W	20	0.752	0.008	348.6*	0.5	0	
21268+4228	A619	14992	2009.960	W	20	0.747	0.013	59.6*	0.7	0	(ADS 14992)
21446+2539	BU989	15281	2009.940	R	10	0.262	0.003	115.5*	0.5	1	
21523+6306	STF2845	15417	2009.943	W	20	1.974	0.010	173.0*	0.3	0	
21555+1053	BU75	15447	2009.861	W	20	0.962	0.008	22.6*	0.4	1	
22257+5631	A1463	15933	2009.957	W	20	0.917	0.008	333.0*	0.3	0	(ADS 15933)
22288-0001	STF2909	15971	2009.941	RL	20	2.137	0.011	168.9*	0.3	1	
22288-0001	STF2909	15971	2009.820	R	20	2.109	0.011	169.2*	0.3	1	
22288-0001	STF2909	15971	2009.957	R	20	2.123	0.011	168.9*	0.3	1	
22419+2126	STF2934	16185	2009.818	W	20	1.361	0.008	57.6*	0.3	1	
22425+3917	BU176	16198	2009.820	W	20	2.565	0.013	53.7*	0.3	0	(ADS 16198)
22485+5409	AG424	16280	2009.818	W	20	2.234	0.011	134.6*	0.3	0	
22509+5303	BU1332	16310	2009.821	W	20	1.505	0.008	128.8*	0.3	0	
22557+1547	HU987	16373	2009.941	W	20	1.139	0.010	78.0*	0.3	1	
22569+1151	STF2958	16389	2009.957	RL	20	3.893	0.019	13.9*	0.3	0	NF
23079+7523	STT489	16538	2009.957	RL	20	1.111	0.008	353.1*	0.9	1	
23133+2205	STF2990	16602	2009.941	W	20	2.536	0.013	55.9*	0.3	0	Diffuse
23340+3120	BU720	16836	2009.957	R	0	1.312	0.008	100.0*	0.3	1	
23375+4426	STT500	16877	2009.957	R	10	0.464	0.003	10.3	0.7	1	

Note: In column 9, the exponent * indicates that the position angle θ could be determined without the 180° ambiguity.