

Misurazioni astrometriche. Da 2012.575 a 2012.690

Giuseppe Micello

Bologna; Emilia Romagna - Italy

Email: 7mg8@libero.it

Abstract

Questo lavoro, presenta le misure astrometriche di 61 stelle doppie, le cui misure sono state eseguite tra Luglio e Settembre 2012.

Il telescopio usato è stato uno Schmidt-Cassegrain da 9,25" con camera CCD DMK21AU e le misurazioni astrometriche sono state effettuate con il software Reduc, di Florent Losse.



Abstract

This article presents the astrometric measurements of 61 double stars. Measurements were performed between July - September 2012.

The telescope used was a Schmidt-Cassegrain 9,25" with CCD Camera DMK21AU and the astrometric measurements were performed with the software Reduc, by Florent Losse.

Strumenti e metodi

Tra Luglio e Settembre 2012, ho effettuato alcune misure astrometriche di 61 stelle doppie e multiple (Tabella 1).

Il telescopio usato per le misure astrometriche è stato uno Schmidt-Cassegrain da 9,25" su montatura equatoriale EQ6 ed il treno ottico composto da Camera CCD DMK21AU monocromatica e filtro IR-Cut; il tutto montato su flip-mirror, sul quale ho utilizzato un oculare da 18mm per centrare le stelle doppie nel campo del CCD.

Il software utilizzato per eseguire le misure astrometriche è stato il programma Reduc (di Florent Losse).

Di seguito alla Tabella 1 sono incluse le immagini delle doppie studiate in questo articolo (Figure 1 - 51).

Ringraziamenti

Un sincero ringraziamento ad Adriano Dragone, che mi ha tramandato la passione per le stelle doppie.

Ringrazio inoltre: Antonio Adigrat, per l'aiuto ed i con-

sigli; Florent Losse, per avere ideato questo stupendo programma di astrometria che è Reduc; Brian D. Mason (USNO), per le importanti informazioni presenti nel portale del WDS e Kevin Muenzler, per il suo utile sito internet *Eagle Creek Observatory - "Double Stars"*.

Riferimenti

Kevin Muenzler; Eagle Creek Observatory - "Double Stars"
<http://astronomy.eaglecreekobservatory.org/doubles/>

Florent Losse; <http://www.astrosurf.com/hfosaf/>

Brian D. Mason, Gary L. Wycoff, and William I. Hartkopf;
Washington Double Star Catalog - <http://ad.usno.navy.mil/wds/>

ID WDS	Discoverer	Mags	Theta °	Rho "	Epoch	Figure
00100+1109	STF 5	5.54 - 9.44	159.35	7.58	2012.690	1
00116-0305	STF 8	7.84 - 9.26	291.39	8.03	2012.690	2
00150+0849	STF 12	6.06 - 7.51	147.05	11.51	2012.690	3
00159-0536	STF 15	7.71 - 9.83	199.33	4.89	2012.690	4
00174+0853	STF 22 AB, C	7.13 - 7.66	234.61	4.04	2012.690	5
18465-0058	STF 2379 AB	5.88 - 7.02	121.11	12.61	2012.575	6
18591+1338	STF 2424 AB	5.32 - 9.30	301.86	20.46	2012.575	7

Tabella 1. Misure astrometriche effettuate tra Luglio e Settembre 2012 ed eseguite con telescopio Schmidt-Cassegrain da 9,25".

la tabella continua nella prossima pagina

ID WDS	Discoverer	Mags	Theta °	Rho "	Epoch	Figure
19000+1253	STF 2426 AB	7.45 - 8.96	261.57	16.52	2012.575	8
19006-0807	STF 2425	7.92 - 8.64	177.57	29.44	2012.575	9
19301-0027	STF 2533	7.4 - 9.2	211.32	22.31	2012.575	10
19336-0411	STF 2537	9.38 - 9.58	140.57	20.23	2012.575	11
19364+1554	H5 104	7.24 - 9.7	139.08	38.96	2012.575	12
19371+0819	STF 2544 AC	8.62 - 9.87	238.33	13.77	2012.575	13
19389-1020	STF 2547 AB	8.12 - 9.53	330.35	20.81	2012.575	14
19389-1020	STF 2547 AC	8.12 - 11.14	141.6	49.62	2012.575	14
19428+0823	STF 2562 AB	6.95 - 8.69	251.19	27.15	2012.575	15
19428+0823	STF 2562 AD	6.95 - 9.89	221.36	116.73	2012.575	15
19429+0115	HJ 895 AB	8.61 - 10.4	209.05	14.1	2012.575	16
19429+0115	HJ 895 AC	8.61 - 9.66	24.61	30.05	2012.575	16
19434+0627	J 1684	11.04 - 11.1	242.35	5.99	2012.575	17
19441+1222	STF 2567 AB	7.93 - 9.96	311.47	18.07	2012.575	18
19506-1047	HU 77 AB, C	9.55 - 9.56	315.04	27.32	2012.575	19
19523+1021	STF 2590 AB	6.50 - 10.31	309.51	13.59	2012.690	20
19523+1021	STF 2590 AC	6.50 - 11.6	309.84	114.81	2012.690	20
19523+1021	STF 2590 CD	11.6 - 12.2	272.27	8.39	2012.690	20
19523+1021	GMC 1 AE	6.5 - 13.5	342.39	14.9	2012.690	20
19534-0600	STF 2591	8.74 - 9.23	106.32	29.21	2012.575	21
19546-0814	STF 2594	5.65 - 6.35	170.05	35.56	2012.575	22
19579-0904	BU 1475 AB	7.77 - 9.47	112.16	10.43	2012.575	23
19579-0904	BU 1475 CD	8.70 - 11.1	161.65	5.21	2012.575	23
19579-0904	HDO 155 AC	7.77 - 8.70	119.05	114.62	2012.575	23
20001+1111	HJ 1458	9.27 - 9.43	312.56	16.44	2012.575	24
20048+1554	STT 397	7.40 - 9.60	178.74	45.08	2012.575	25
20064+0433	BAL 2961	9.7 - 9.8	251.28	9.29	2012.575	26
20142+0635	S 740	7.77 - 8.06	191.56	43.01	2012.575	27
20144-0603	STF 2646 AB	7.49 - 9.28	39.15	18.15	2012.575	28
20152-0330	STF 2654	6.96 - 8.14	232.87	14.36	2012.575	29
20199-0215	STF 2661	7.87 - 9.19	340.16	24.4	2012.575	30
20334-0613	HJ 1529	7.4 - 9.6	110.45	36.97	2012.575	31
21376+0643	STT 443	9.47 - 9.67	347.5	8.23	2012.684	32
21377+0637	STFA 56 AB	6.18 - 7.50	346.83	39.07	2012.684	33
21580+0556	SFT 2848	7.21 - 7.73	55.71	10.92	2012.684	34
22062+1006	STF 2857	7.14 - 9.80	112.17	20.09	2012.684	35
22282+1716	STF 2908	7.74 - 9.68	113.08	9.23	2012.684	36
22326+0725	STF 2915 AB	9.46 - 9.52	125.74	14.98	2012.684	37
22345+0413	STF 2920 AB	7.55 - 8.85	143.12	13.82	2012.684	38
22345+0413	STF 2920 AC	7.55 - 13.4	60.73	15.34	2012.684	38
22569+1151	STF 2958	6.63 - 9.09	15.33	3.86	2012.684	39
23095+0841	STF 2982 AB	5.29 - 10.06	197.65	32.86	2012.684	40

la tabella continua nella prossima pagina

ID WDS	Discoverer	Mags	Theta °	Rho "	Epoch	Figure
23100+1426	STF 2986	6.61 - 8.88	269.5	31.46	2012.684	41
23141-0855	STF 2993 AB	7.60 - 8.17	174.69	25.52	2012.684	42
23141-0855	S 826 AC	7.60 - 9.10	130.03	81.23	2012.684	42
23159-0905	STFB 12 A, BC	4.36 - 9.88	311.05	49.95	2012.684	43
23191-1328	STF 2998 AB	5.27 - 6.97	351.32	12.55	2012.684	44
23209-1833	HJ 3184	7.29 - 8.39	282.77	5.63	2012.684	45
23238-0828	STF 3008	7.21 - 7.67	148.39	6.67	2012.684	46
23377-1304	HJ 316 AB	5.65 - 9.6	98.36	30.48	2012.684	47
23427-1433	BU 279	4.5 - 9.9	88.57	5.51	2012.684	48
23460-1841	H2 24	5.65 - 6.46	135.13	6.93	2012.684	49
23481+1009	STF 3040	9.58 - 9.75	217.31	4.42	2012.684	50
23530+1155	STF 3044	7.27 - 7.91	281.89	19.34	2012.684	51

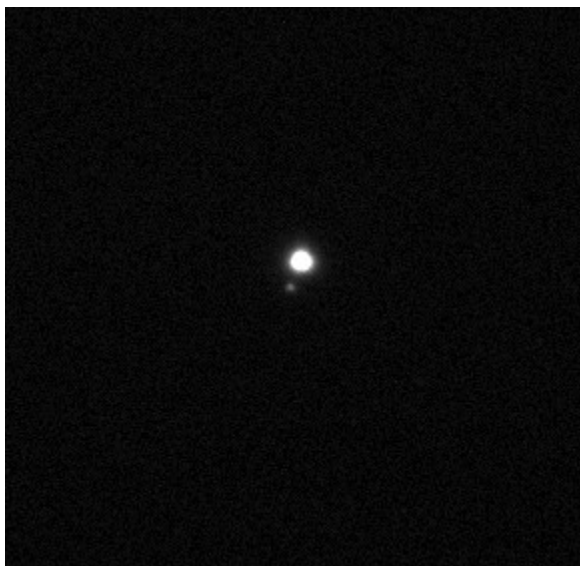


Fig. 1. STF 5

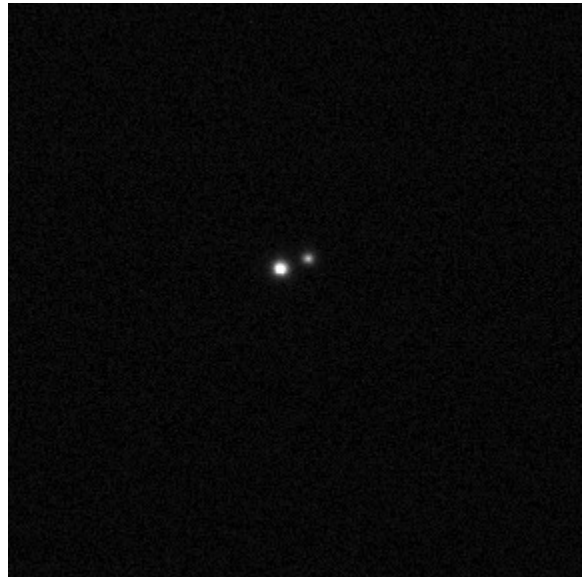


Fig. 2. STF 8

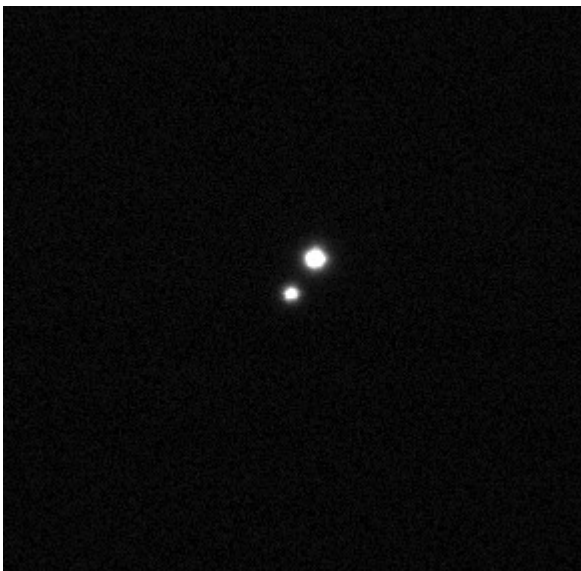


Fig. 2. STF 12

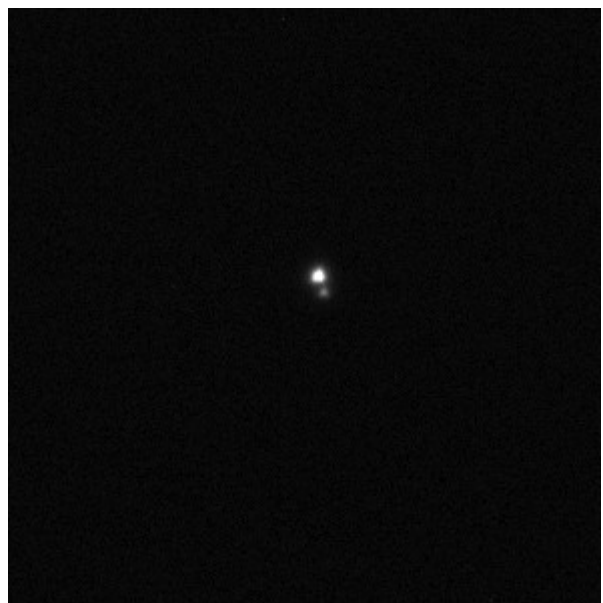


Fig. 4. STF 15

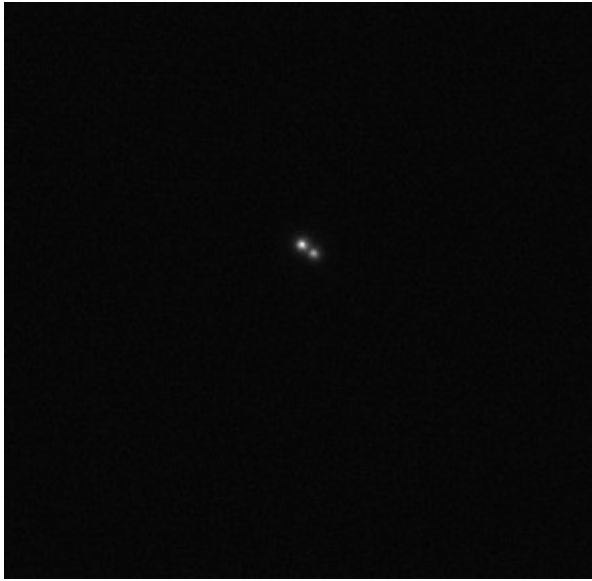


Fig. 5. STF 22 AB, C

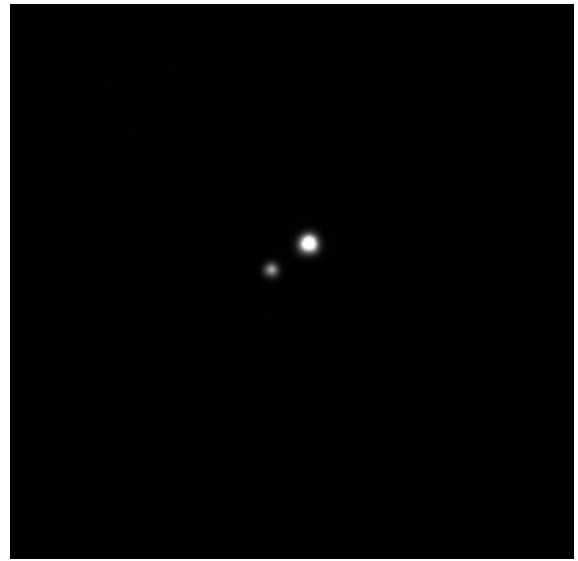


Fig. 6. STF 2379 AB



Fig. 7. STF 2424 AB

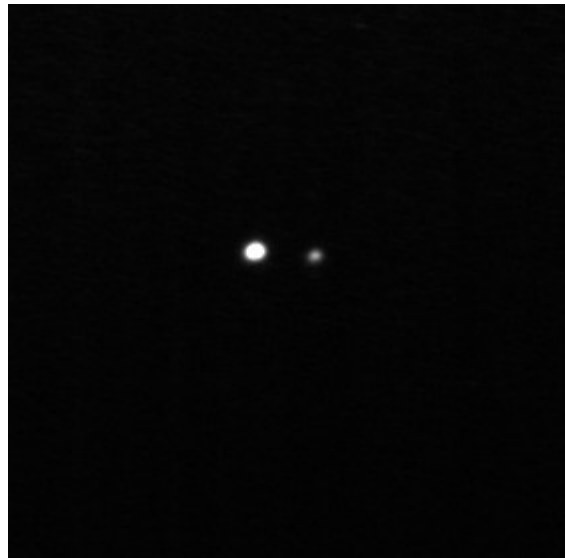


Fig. 8. STF 2426 AB

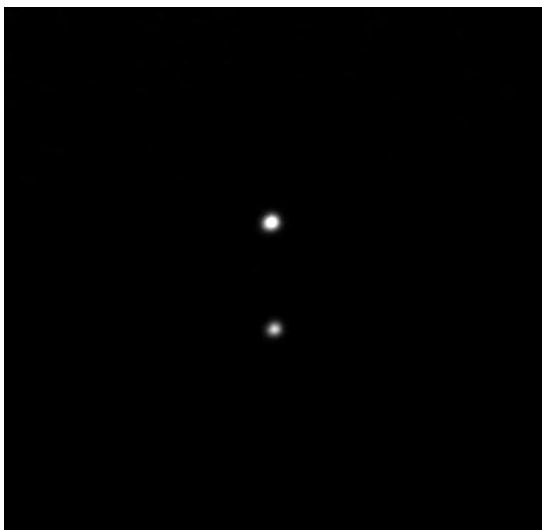


Fig. 9. STF 2425



Fig. 10. STF 2353

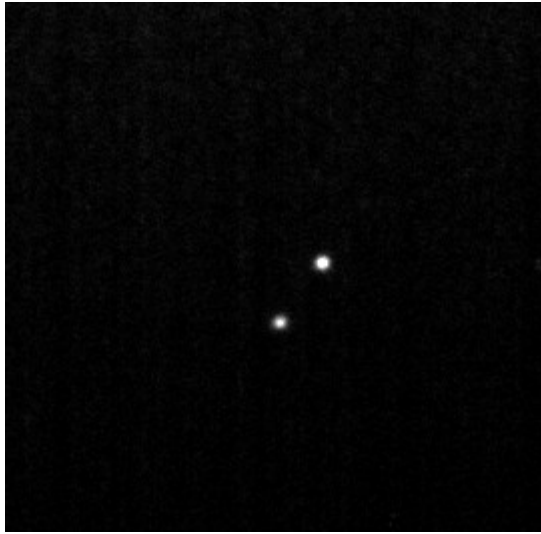


Fig. 11. STF 2537

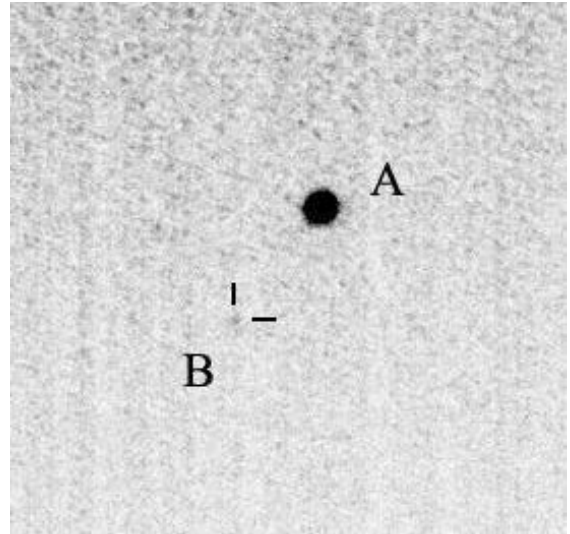


Fig. 12. H5 104



Fig. 13. STF 2544 AC

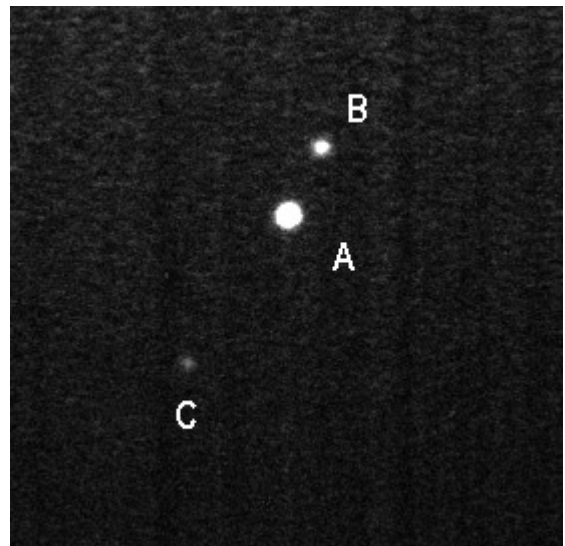


Fig. 14. STF 2547 AB - AC

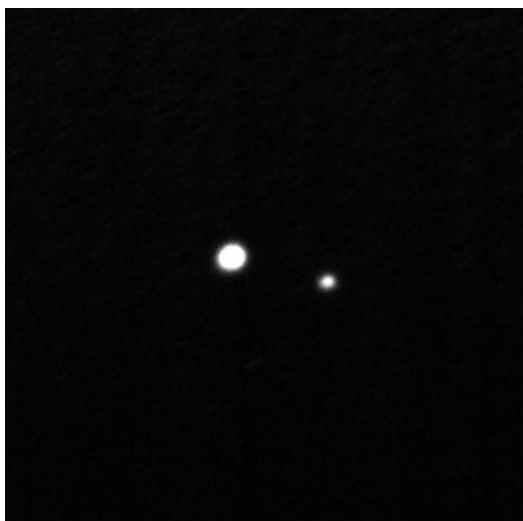


Fig. 15. STF 2562 AB - AD

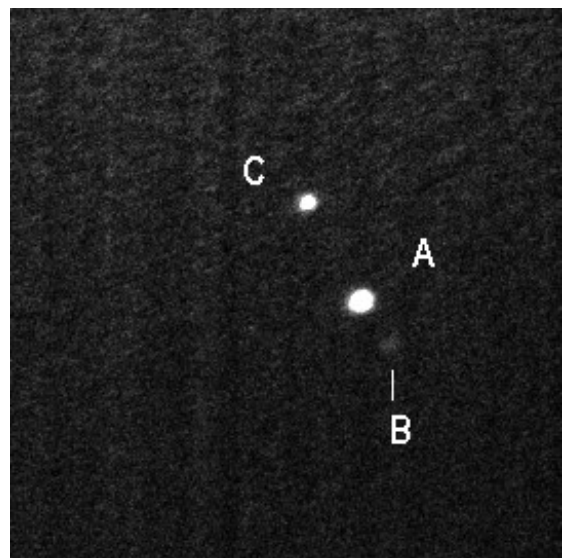


Fig. 16. HJ 895 AB - AC

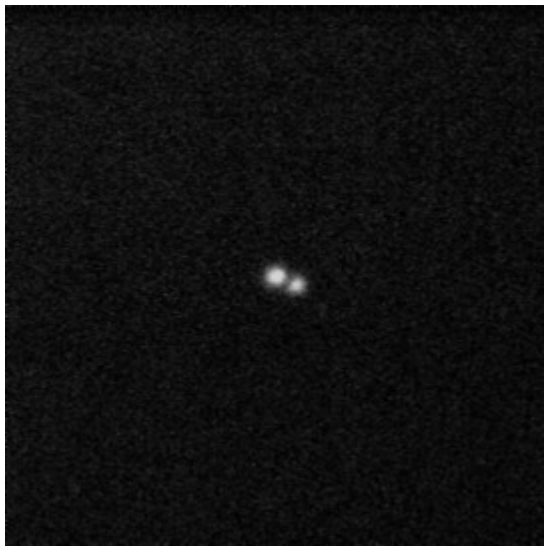


Fig. 17. J 1684

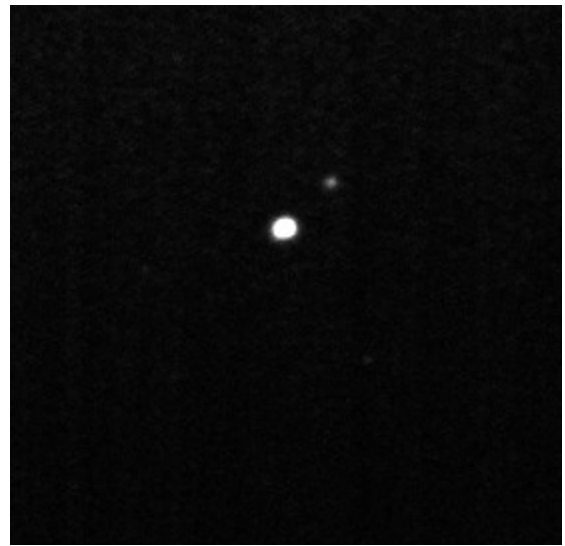


Fig. 18. STF 2567 AB



Fig. 19. HU 77 AB, C

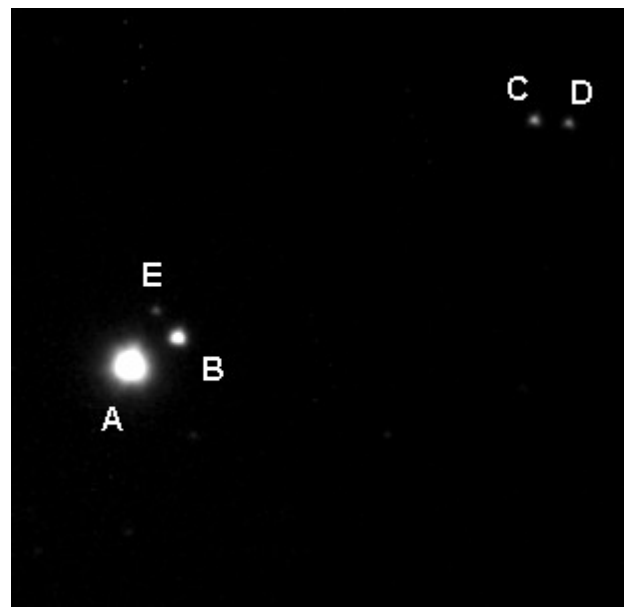


Fig. 20. STF 2590 AB - AC - CD & GMC 1 AE

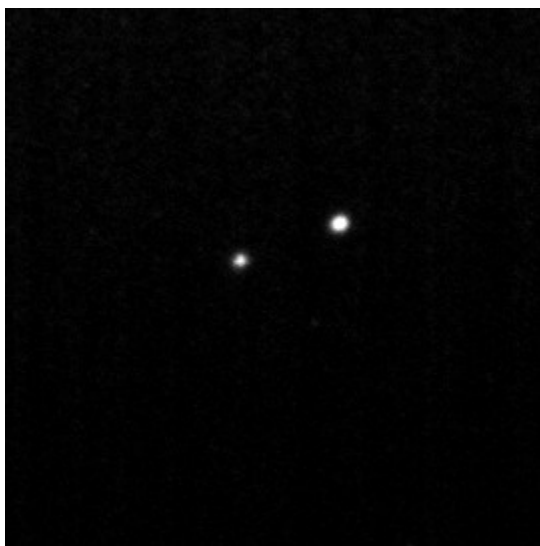


Fig. 21. STF 2591

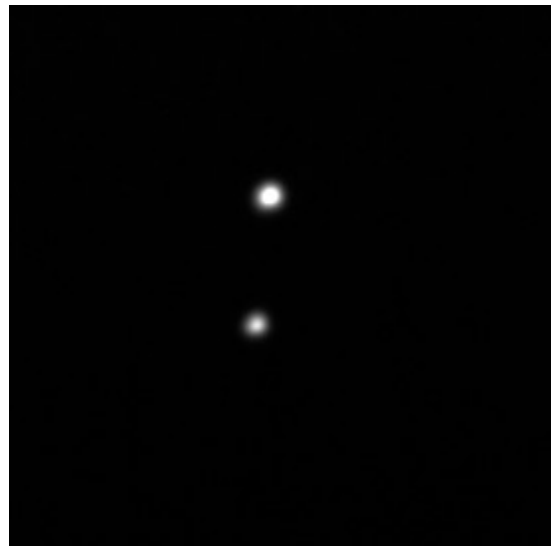


Fig. 22. STF 2594

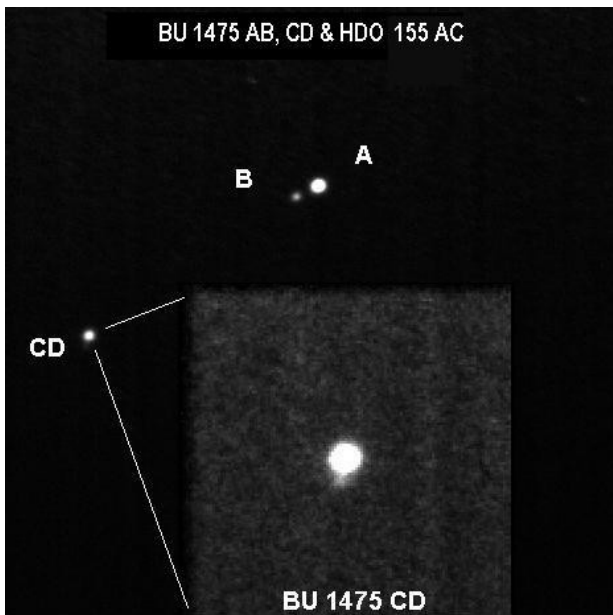


Fig. 23. BU 1475 AB - CD & HDO 155AC



Fig. 24. HJ 1458



Fig. 25. STT 397



Fig. 26. BAL 2961

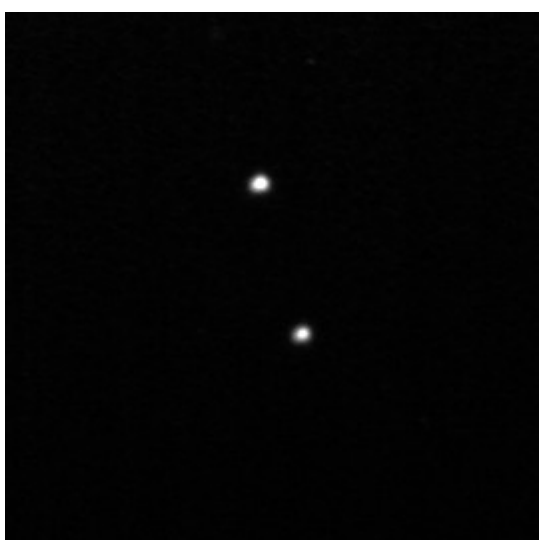


Fig. 27. S 740



Fig. 28. STF 2646 AB



Fig. 29. STF 2654

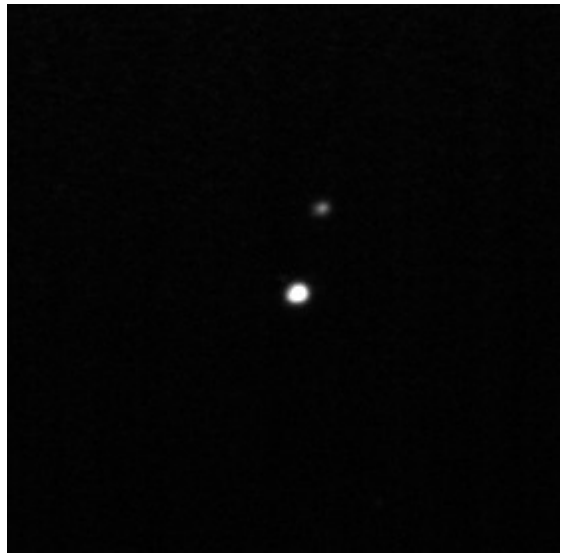


Fig. 30. STF 2661

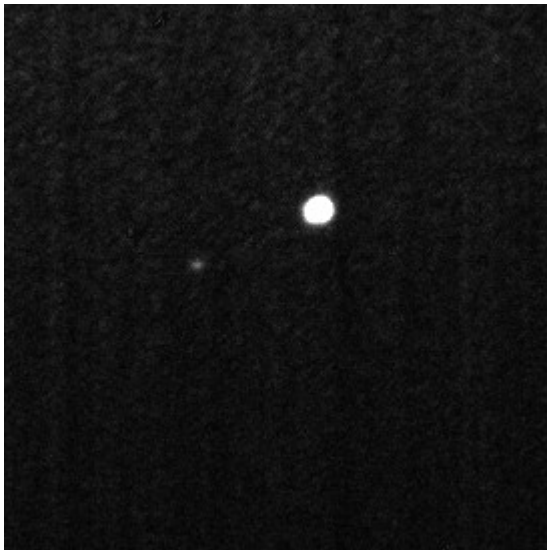


Fig. 31. HJ 1529

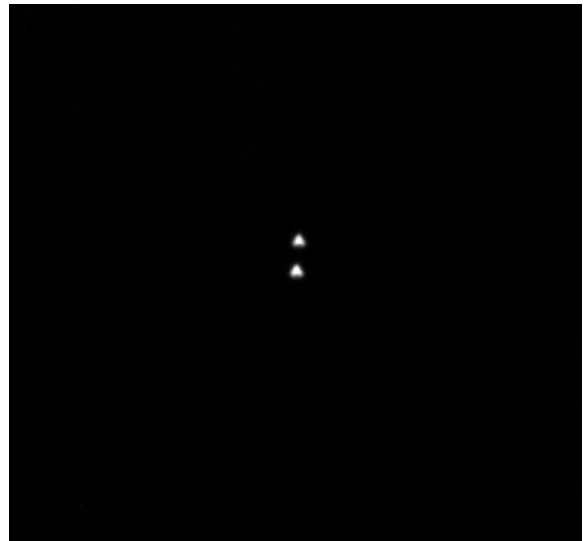


Fig. 32. STT 443

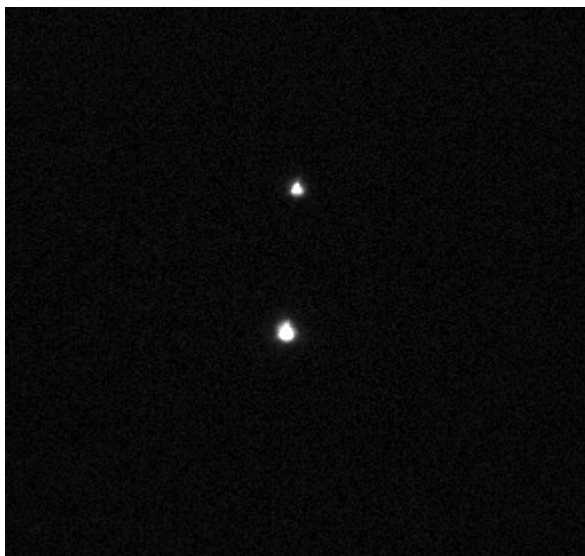


Fig. 33. STFA 56 AB

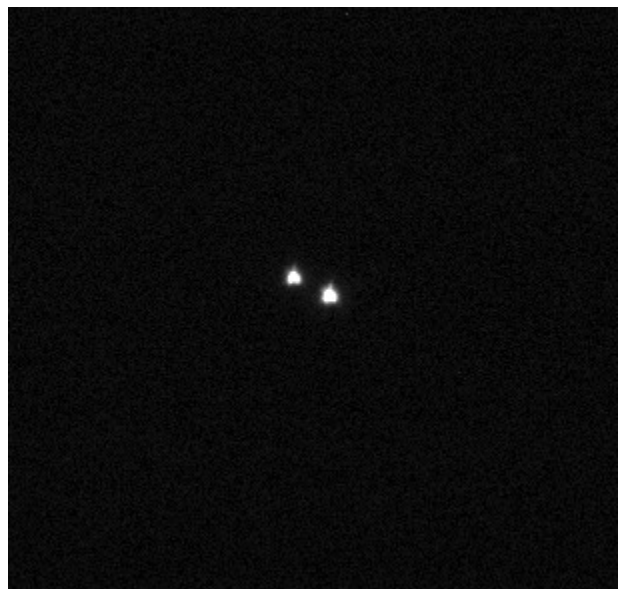


Fig. 34. STF 2848



Fig. 35. STF 2857

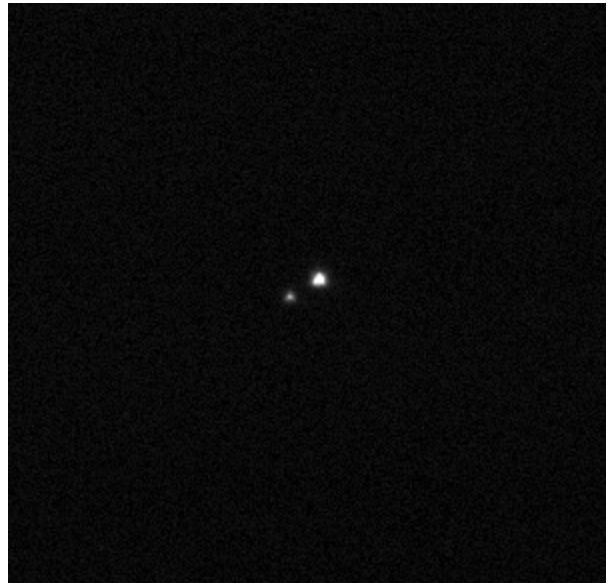


Fig. 36. STF 2908

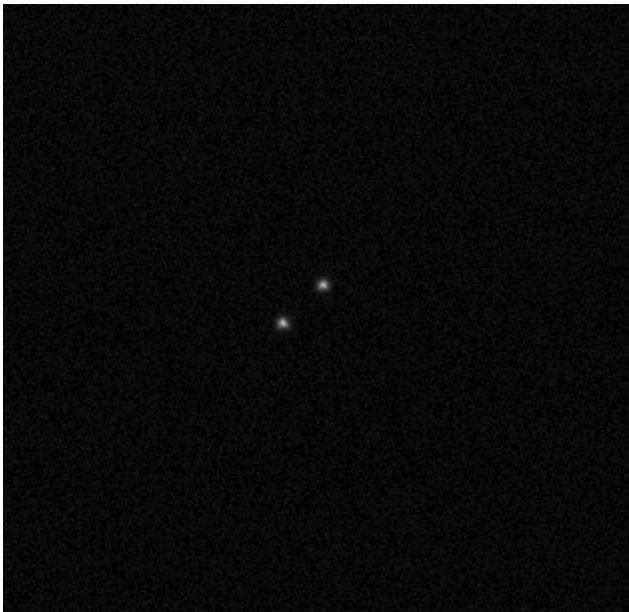


Fig. 37. STF 2915 AB

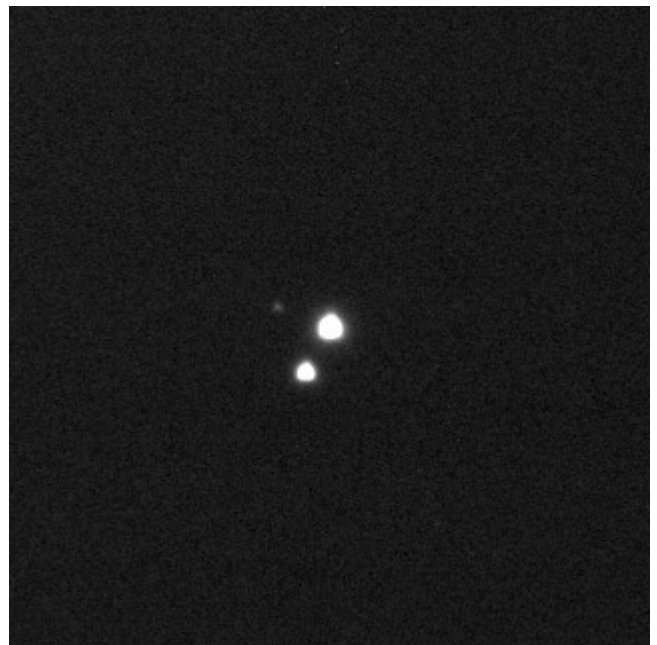


Fig. 38. STF 2920 AB - AC

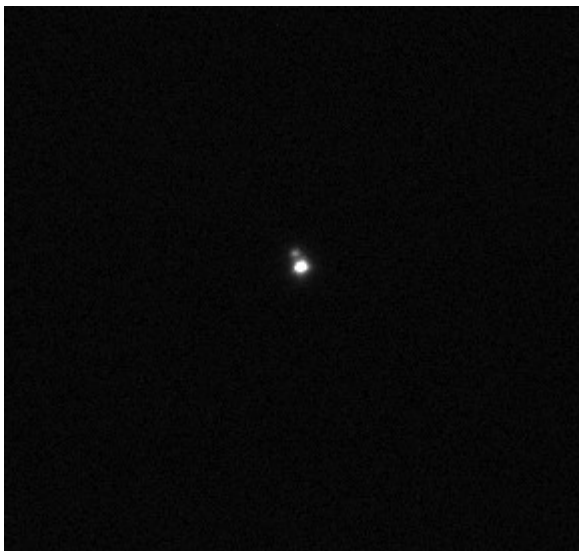


Fig. 39. STF 2958

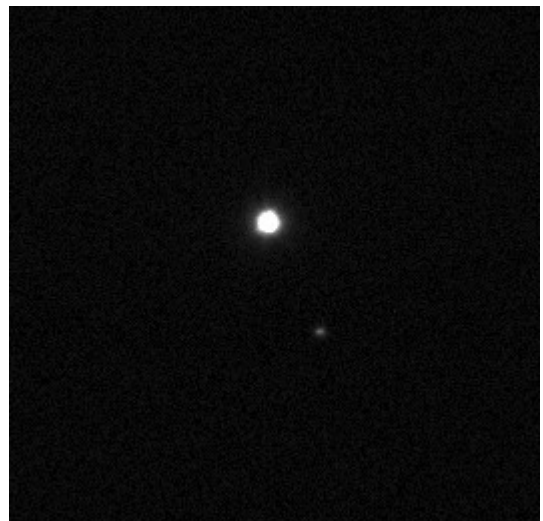


Fig. 40. STF 2982 AB



Fig. 41. STF 2986



Fig. 42. STF 2993 AB - S 826 AC

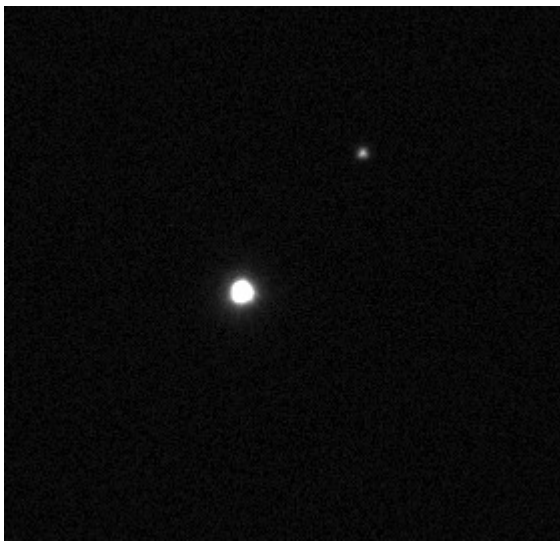


Fig. 43. STFB 12 A, BC

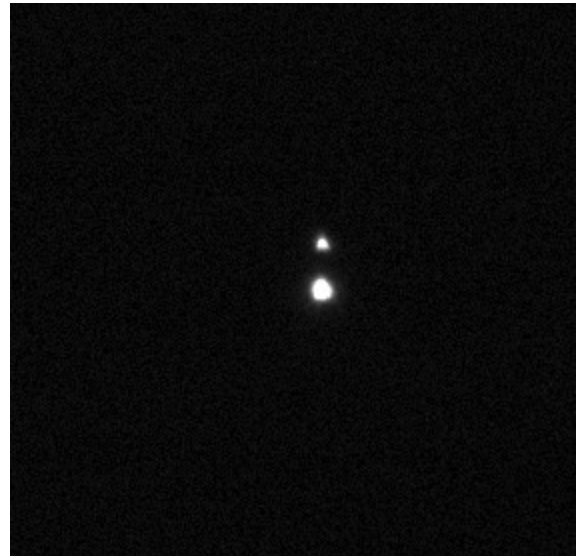


Fig. 44. STF 2998 AB

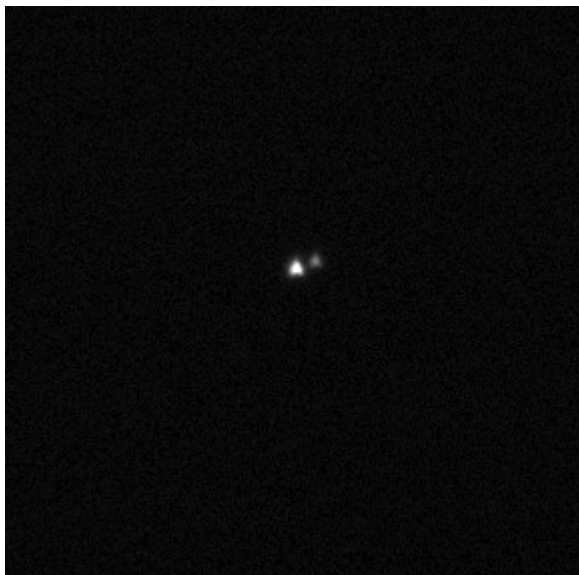


Fig. 45. HJ 3184

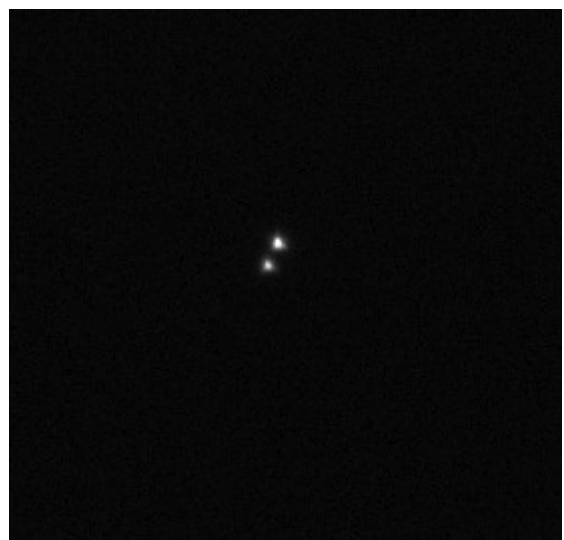


Fig. 46. STF 3008



Fig. 47. HJ 316 AB

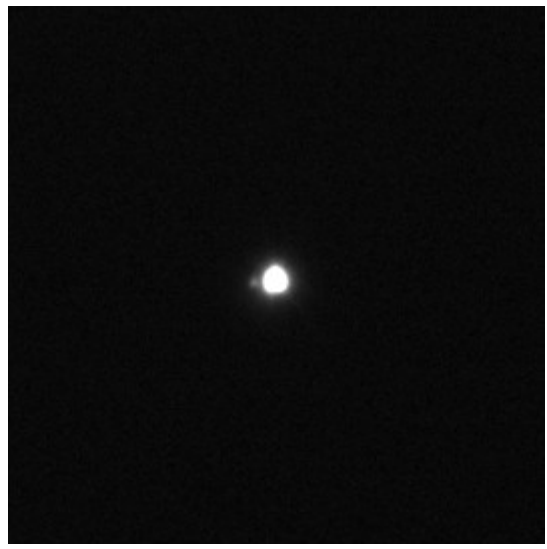


Fig. 48. BU 279



Fig. 49. H2 24

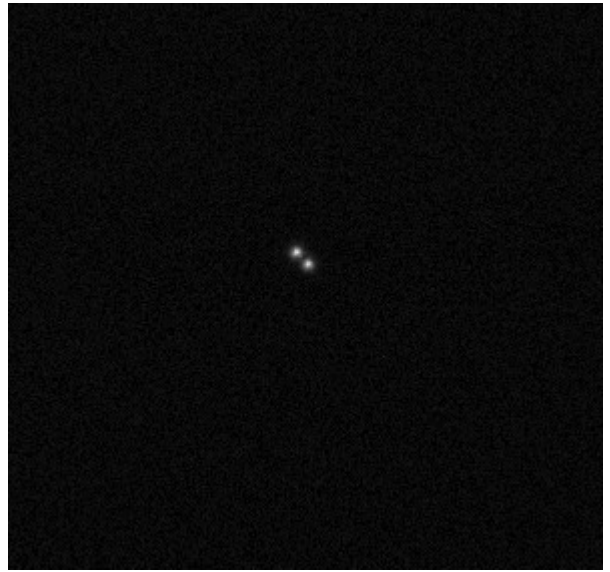


Fig. 50. STF 3040

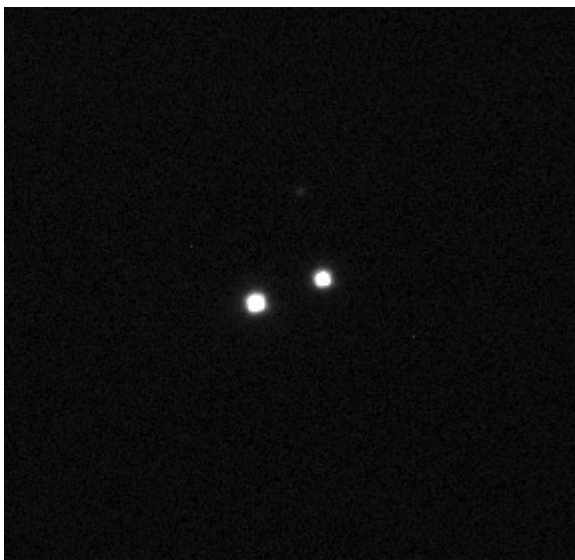


Fig. 51. STF 3044

