

Table 1

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left, E down, rotate 270)
fr85h001-045								log is written
fr85h046.fits	SA 68-216	00:18:17.04	+15:49:19.2	V	09/13/85	+10:26:44		SA 68-216
fr85h047.fits	SA 68-216	00:18:17.04	+15:49:19.2	V	09/13/85	+10:28:08		
fr85h048.fits	SA 68-216	00:18:17.04	+15:49:19.2	R	09/13/85	+10:29:33		
fr85h049.fits	SA 68-216	00:18:17.04	+15:49:19.2	R	09/13/85	+10:31:36		
fr85h050.fits	SA 68-216	00:18:17.04	+15:49:19.2	I	09/13/85	+10:34:45		
fr85h051.fits	SA 68-216	00:18:17.04	+15:49:19.2	I	09/13/85	+10:36:27		
fr85h052.fits	SA 68-216	00:18:17.04	+15:49:19.2	B	09/13/85	+10:38:10		
fr85h053.fits	SA 68-216	00:18:17.04	+15:49:19.2	B	09/13/85	+10:39:32		
fr85h054.fits	SA 68-216	00:18:17.04	+15:49:19.2	V	09/13/85	+10:41:02		
fr85h055.fits	21P/ Giacobini- Zinner	06:03:40.73	+20:24:49.4	V	09/13/85	+10:54:41		
fr85h056.fits	21P/ Giacobini- Zinner	06:03:40.73	+20:24:49.4	V	09/13/85	+10:58:29		
fr85h057.fits	21P/ Giacobini- Zinner	06:03:40.73	+20:24:49.4	R	09/13/85	+11:01:16		
fr85h058.fits	21P/ Giacobini- Zinner	06:03:40.73	+20:24:49.4	I	09/13/85	+11:03:29		
fr85h059.fits	21P/ Giacobini- Zinner	06:03:40.73	+20:24:49.4	I	09/13/85	+11:05:20		
fr85h060.fits	21P/ Giacobini- Zinner	06:03:40.73	+20:24:49.4	B	09/13/85	+11:07:06		
fr85h061.fits	21P/ Giacobini- Zinner	06:03:40.73	+20:24:49.4	B	09/13/85	+11:14:58		
fr85h062.fits	21P/ Giacobini- Zinner	06:03:40.73	+20:24:49.4	V	09/13/85	+11:16:40		
fr85h063.fits	21P/ Giacobini- Zinner	06:03:44.98	+20:23:04.8	R	09/13/85	+11:17:38		
fr85h064.fits	21P/ Giacobini- Zinner	06:03:44.98	+20:23:04.8	R	09/13/85	+11:18:58		
fr85h065.fits	21P/ Giacobini- Zinner	06:03:44.98	+20:23:04.8	V	09/13/85	+11:20:59		
fr85h066.fits	21P/ Giacobini- Zinner	06:03:44.98	+20:23:04.8	V	09/13/85	+11:28:04		
fr85h067.fits	21P/ Giacobini- Zinner	06:03:44.98	+20:23:04.8	B	09/13/85	+11:31:07		
fr85h068.fits	1P/Halley	06:15:14.45	+19:32:51.4	V	09/13/85	+11:46:51		
fr85h069.fits	1P/Halley	06:15:14.45	+19:32:51.4	V	09/13/85	+11:49:57		
fr85h070.fits	1P/Halley	06:15:14.45	+19:32:51.4	R	09/13/85	+11:54:35		
fr85h071.fits	1P/Halley	06:15:14.45	+19:32:51.4	B	09/13/85	+11:57:05		
fr85h072.fits	1P/Halley	06:15:14.45	+19:32:51.4	I	09/13/85	+12:04:10		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left, E down, rotate 270)
fr85h073.fits	1P/Halley	06:15:14.45	+19:32:51.4	R	09/13/85	+12:07:19		
fr85h074.fits	1P/Halley	06:15:14.45	+19:32:51.4	V	09/13/85	+12:11:53		
fr85h075.fits	FLAT FIELD			V	09/13/85	+12:46:27		
fr85h076.fits	FLAT FIELD			V	09/13/85	+12:47:35		
fr85h077.fits	FLAT FIELD			V	09/13/85	+12:48:29		
fr85h078.fits	FLAT FIELD			R	09/13/85	+12:51:27		
fr85h079.fits	FLAT FIELD			R	09/13/85	+12:52:27		
fr85h080.fits	FLAT FIELD			I	09/13/85	+12:53:37		
fr85h081.fits	FLAT FIELD			I	09/13/85	+12:54:41		
fr85h082.fits	FLAT FIELD			B	09/13/85	+12:57:15		
fr85h083.fits	FLAT FIELD			B	09/13/85	+12:59:25		
fr85h084.fits	DARK			N/A	09/13/85	+13:02:32		
fr85h085.fits	DARK			N/A	09/13/85	+13:03:29		
fr85h088-189								log is written
fr85h190.fits	He				09/16/85	+02:40:27	xName	
fr85h191.fits	He				09/16/85	+02:45:11	xName	
fr85h192.fits	Imp				09/16/85	+02:57:15	xName	
fr85h193.fits	XE				09/16/85	+03:12:24		
fr85h194.fits	XE				09/16/85	+03:15:26		
fr85h195.fits	MCG-2-58-22	23:04:43.48	-08:41:08.6		09/16/85	+06:17:38		
fr85h196.fits	MCG-2-58-22	23:04:43.48	-08:41:08.6		09/16/85	+06:32:28		
fr85h197.fits	MCG-2-58-22	23:04:43.48	-08:41:08.6		09/16/85	+06:45:24		
fr85h198.fits	MCG-2-58-22	23:04:43.48	-08:41:08.6		09/16/85	+06:59:17		
fr85h199.fits	DARK				09/16/85	+07:34:03		
fr85h200.fits	DARK				09/16/85	+07:36:16		
fr85h201.fits	FLAT FIELD				09/16/85	+09:10:05		
fr85h202.fits	FLAT FIELD				09/16/85	+09:11:42		
fr85h203.fits	FLAT FIELD				09/16/85	+09:12:56		
fr85h204.fits	FLAT FIELD				09/16/85	+09:16:18		
fr85h205.fits	FLAT FIELD				09/16/85	+09:17:43		
fr85h206.fits	FLAT FIELD				09/16/85	+09:18:51		
fr85h207.fits	21P/ Giacobini- Zinner	06:13:40.71	+16:15:16.2		09/16/85	+11:08:55	xName	
fr85h208.fits	BS 2067	05:56:03.43	+13:55:29.7		09/16/85	+11:36:48		
fr85h209.fits	BS 2067	05:56:03.43	+13:55:29.7		09/16/85	+11:43:48		
fr85h210.fits	BS 2067	05:56:03.43	+13:55:29.7		09/16/85	+11:46:11		
fr85h211.fits	21P/ Giacobini- Zinner	06:13:48.44	+16:11:51.5		09/16/85	+11:54:30		
fr85h212.fits	SAO 31405	19:08:14.03	+50:18:49.9		09/17/85	+04:20:24		UT time off by 10 mins
fr85h213.fits	SAO 31405	19:08:14.03	+50:18:49.9		09/17/85	+04:25:30		UT time off by 10 mins
fr85h214.fits	NGC 6764	19:08:16.37	+50:55:59.6		09/17/85	+04:48:04		
fr85h215.fits	NGC 6764	19:08:16.37	+50:55:59.6		09/17/85	+05:03:43		
fr85h216.fits	SAO 31405	19:08:14.03	+50:18:49.9		09/17/85	+05:23:00		
fr85h217.fits	MCG-2-58-22	23:04:43.48	-08:41:08.6		09/17/85	+05:50:34		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left, E down, rotate 270)
fr85h218.fits	MCG-2-58-22	23:04:43.48	-08:41:08.6		09/17/85	+06:02:08		
fr85h219.fits	MCG-2-58-22	23:04:43.48	-08:41:08.6		09/17/85	+06:25:46		
fr85h220.fits	MCG-2-58-22	23:04:43.48	-08:41:08.6		09/17/85	+06:43:35		
fr85h221.fits	MCG-2-58-22	23:04:43.48	-08:41:08.6		09/17/85	+07:03:17		
fr85h222.fits	MCG-2-58-22	23:04:43.48	-08:41:08.6		09/17/85	+07:21:23		
fr85h223.fits	MCG-2-58-22	23:04:43.48	-08:41:08.6		09/17/85	+07:38:32		
fr85h224.fits	29 PSC	00:01:49.45	-03:01:39.0		09/17/85	+08:18:39		
fr85h225.fits	29 PSC	00:01:49.45	-03:01:39.0		09/17/85	+08:23:40		
fr85h226.fits	29 PSC	00:01:49.45	-03:01:39.0		09/17/85	+08:31:56		
fr85h227.fits	29 PSC	00:01:49.45	-03:01:39.0		09/17/85	+08:28:37		
fr85h228.fits	BS 718	02:28:09.54	+08:27:36.2		09/17/85	+09:08:51		
fr85h229.fits	BS 718	02:28:09.54	+08:27:36.2		09/17/85	+09:10:21		
fr85h230.fits	29 PSC	00:01:49.45	-03:01:39.0		09/17/85	+09:31:52		
fr85h231.fits	29 PSC	00:01:49.45	-03:01:39.0		09/17/85	+09:34:16		
fr85h232.fits	29 PSC	00:01:49.45	-03:01:39.0		09/17/85	+09:55:18		
fr85h233.fits	BS 2067	05:56:03.43	+13:55:29.7		09/17/85	+10:24:42		
fr85h234.fits	BS 2067	05:56:03.43	+13:55:29.7		09/17/85	+10:26:59		
fr85h235.fits	BS 2067	05:56:03.43	+13:55:29.7		09/17/85	+10:35:03		
fr85h236.fits	BS 2067	05:56:03.43	+13:55:29.7		09/17/85	+10:36:53		
fr85h237.fits	1P/Halley	06:15:48.73	+19:37:38.9		09/17/85	+10:59:01		
fr85h238.fits	1P/Halley	06:15:48.73	+19:37:38.9		09/17/85	+11:16:01		
fr85h239.fits	1P/Halley	06:15:48.83	+19:37:40.6		09/17/85	+11:39:47		
fr85h240.fits	BS 2067	05:56:03.43	+13:55:29.7		09/17/85	+12:08:31		
fr85h241.fits	BS 2067	05:56:03.43	+13:55:29.7		09/17/85	+12:11:52		
fr85h242.fits	BS 2067	05:56:03.43	+13:55:29.7		09/17/85	+12:14:43		
fr85h243.fits	BS 2067	05:56:03.43	+13:55:29.7		09/17/85	+12:16:36		
fr85h244.fits	FLAT FIELD				09/17/85	+12:27:05		
fr85h245.fits	FLAT FIELD				09/17/85	+12:32:53		
fr85h246.fits	FLAT FIELD				09/17/85	+12:34:26		
fr85h247.fits	FLAT FIELD				09/17/85	+12:36:38		
fr85h248.fits	FLAT FIELD				09/17/85	+12:37:50		
fr85h249.fits	FLAT FIELD				09/17/85	+12:38:57		
fr85h250.fits	FLAT FIELD				09/17/85	+12:40:34		
fr85h251.fits	FLAT FIELD				09/17/85	+12:41:50		
fr85h252.fits	FLAT FIELD				09/17/85	+12:43:09		
fr85h253.fits	FLAT FIELD				09/17/85	+12:44:30		
fr85h254.fits	DARK				09/17/85	+12:46:31		
fr85h255.fits	DARK				09/17/85	+12:47:53		
fr85h303.fits	SA 68-216	00:18:17.04	+15:49:19.2	R	09/21/85	+08:41:29	xfilter	
fr85h304.fits	SA 68-216	00:18:17.04	+15:49:19.2	R	09/21/85	+08:43:01	xfilter	
fr85h305.fits	SA 68-216	00:18:17.04	+15:49:19.2	R	09/21/85	+08:45:09	xfilter	
fr85h306.fits	SA 68-216	00:18:17.04	+15:49:19.2	V	09/21/85	+08:47:07		
fr85h307.fits	SA 68-216	00:18:17.04	+15:49:19.2	V	09/21/85	+08:51:32		
fr85h308.fits	SA 68-216	00:18:17.04	+15:49:19.2	B	09/21/85	+08:53:51		
fr85h309.fits	SA 68-216	00:18:17.04	+15:49:19.2	B	09/21/85	+08:55:07		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left, E down, rotate 270)
fr85h310.fits	SA 68-216	00:18:17.04	+15:49:19.2	I	09/21/85	+08:57:26		
fr85h311.fits	SA 68-216	00:18:17.04	+15:49:19.2	I	09/21/85	+08:59:47		
fr85h312.fits	BS 718	02:28:09.54	+08:27:36.2	9180 (FINK)	09/21/85	+09:26:41		
fr85h313.fits	BS 718	02:28:09.54	+08:27:36.2	9180 (FINK)	09/21/85	+09:28:17		
fr85h314.fits	BS 718	02:28:09.54	+08:27:36.2	9280 (KPNO)	09/21/85	+09:31:18		
fr85h315.fits	BS 718	02:28:09.54	+08:27:36.2	9280 (KPNO)	09/21/85	+09:35:20		
fr85h316.fits	BS 718	02:28:09.54	+08:27:36.2	8600	09/21/85	+09:41:59		
fr85h317.fits	BS 718	02:28:09.54	+08:27:36.2	8600	09/21/85	+09:43:26		
fr85h318.fits	BS 718	02:28:09.54	+08:27:36.2	8520/511	09/21/85	+09:47:45		
fr85h319.fits	BS 718	02:28:09.54	+08:27:36.2	8520/511	09/21/85	+09:49:01		
fr85h320.fits	1P/Halley	06:16:00.10	+19:43:05.1	V	09/21/85	+10:31:46		
fr85h321.fits	1P/Halley	06:16:00.10	+19:43:05.1	V	09/21/85	+10:34:24		
fr85h322.fits	1P/Halley	06:16:00.10	+19:43:05.1	R	09/21/85	+10:39:24		
fr85h323.fits	1P/Halley	06:16:00.10	+19:43:05.1	R	09/21/85	+10:44:13		
fr85h324.fits	1P/Halley	06:16:00.07	+19:43:07.0	I	09/21/85	+10:47:25		
fr85h325.fits	1P/Halley	06:16:00.07	+19:43:07.0	I	09/21/85	+10:50:48		
fr85h326.fits	1P/Halley	06:16:00.07	+19:43:07.0	B	09/21/85	+10:56:41		
fr85h327.fits	1P/Halley	06:16:00.07	+19:43:07.0	B	09/21/85	+11:00:38		
fr85h328-329								Files lost according to log.
fr85h330.fits	21P/ Giacobini- Zinner	06:28:31.55	+09:33:50.5	B	09/21/85	+11:38:18		
fr85h331.fits	21P/ Giacobini- Zinner	06:28:31.55	+09:33:50.5	B	09/21/85	+11:41:44		
fr85h332.fits	21P/ Giacobini- Zinner	06:28:31.55	+09:33:50.5	R	09/21/85	+11:46:03		
fr85h333.fits	21P/ Giacobini- Zinner	06:28:34.87	+09:32:13.9	R	09/21/85	+11:47:43		
fr85h334.fits	21P/ Giacobini- Zinner	06:28:34.87	+09:32:13.9	I	09/21/85	+11:50:24		
fr85h335.fits	21P/ Giacobini- Zinner	06:28:34.87	+09:32:13.9	I	09/21/85	+11:52:38		
fr85h336.fits	21P/ Giacobini- Zinner	06:28:34.87	+09:32:13.9	I	09/21/85	+11:54:48		
fr85h337.fits	21P/ Giacobini- Zinner	06:28:34.87	+09:32:13.9	R	09/21/85	+11:57:44		
fr85h338.fits	DARK FRAME			N/A	09/21/85	+12:03:09		
fr85h339.fits	DARK FRAME			N/A	09/21/85	+12:03:55		
fr85h340.fits	FLAT FIELD			I	09/21/85	+12:11:12		
fr85h341.fits	FLAT FIELD			I	09/21/85	+12:14:45		
fr85h342.fits	FLAT FIELD			I	09/21/85	+12:15:38		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left, E down, rotate 270)
fr85h343.fits	FLAT FIELD			R	09/21/85	+12:17:53		
fr85h344.fits	FLAT FIELD			R	09/21/85	+12:19:13		
fr85h345.fits	FLAT FIELD			R	09/21/85	+12:20:04		
fr85h346.fits	FLAT FIELD			V	09/21/85	+12:32:15		
fr85h347.fits	FLAT FIELD			V	09/21/85	+12:34:48		
fr85h348.fits	FLAT FIELD			V	09/21/85	+12:36:18		
fr85h349.fits	FLAT FIELD			B	09/21/85	+12:39:54		
fr85h350.fits	FLAT FIELD			B	09/21/85	+12:40:46		
fr85h351.fits	FLAT FIELD			B	09/21/85	+12:41:34		
fr85h352.fits	DARK FRAME			N/A	09/21/85	+12:42:42		
fr85h353.fits	DARK FRAME			N/A	09/21/85	+12:43:32		
fr85h356.fits	NGC 7603	23:18:56.62	+00:14:38.2	V	09/22/85	+06:56:20	xfilter	
fr85h357.fits	NGC 7603	23:18:56.62	+00:14:38.2	V	09/22/85	+06:58:45	xfilter	
fr85h358.fits	NGC 7603	23:18:56.62	+00:14:38.2	R	09/22/85	+07:01:24		
fr85h359.fits	NGC 7603	23:18:56.62	+00:14:38.2	R	09/22/85	+07:05:39		
fr85h360.fits	NGC 7603	23:18:56.62	+00:14:38.2	I	09/22/85	+07:07:38		
fr85h361.fits	NGC 7603	23:18:56.62	+00:14:38.2	I	09/22/85	+07:09:58		
fr85h362.fits	NGC 7603	23:18:56.62	+00:14:38.2	I	09/22/85	+07:12:50		
fr85h363.fits	NGC 7603	23:18:56.62	+00:14:38.2	B	09/22/85	+07:15:37		
fr85h364.fits	NGC 7603	23:18:56.62	+00:14:38.2	B	09/22/85	+07:18:11		
fr85h365.fits	BS 718	02:28:09.54	+08:27:36.2	9180	09/22/85	+07:42:25		
fr85h366.fits	BS 718	02:28:09.54	+08:27:36.2	9180	09/22/85	+07:44:40		
fr85h367.fits	BS 718	02:28:09.54	+08:27:36.2	9280 KP	09/22/85	+07:46:49		
fr85h368.fits	BS 718	02:28:09.54	+08:27:36.2	9280 KP	09/22/85	+07:47:52		
fr85h369.fits	BS 718	02:28:09.54	+08:27:36.2	8600	09/22/85	+07:49:30		
fr85h370.fits	BS 718	02:28:09.54	+08:27:36.2	8600	09/22/85	+07:50:34		
fr85h371.fits	BS 718	02:28:09.54	+08:27:36.2	8520 KP	09/22/85	+07:53:01		
fr85h372.fits	BS 718	02:28:09.54	+08:27:36.2	8520 KP	09/22/85	+07:59:25		
fr85h373.fits	BS 718	02:28:09.54	+08:27:36.2	6300	09/22/85	+08:21:12		
fr85h374.fits	BS 718	02:28:09.54	+08:27:36.2	6300	09/22/85	+08:24:39		
fr85h375.fits	BS 718	02:28:09.54	+08:27:36.2	6300 KP	09/22/85	+08:26:30		
fr85h376.fits	BS 718	02:28:09.54	+08:27:36.2	6300 KP	09/22/85	+08:27:48		
fr85h377.fits	BS 718	02:28:09.54	+08:27:36.2	5980	09/22/85	+08:40:00		
fr85h378.fits	BS 718	02:28:09.54	+08:27:36.2	5980	09/22/85	+08:41:36		
fr85h379.fits	BS 718	02:28:09.54	+08:27:36.2	5995 KP	09/22/85	+08:44:51		
fr85h380.fits	BS 718	02:28:09.54	+08:27:36.2	5995 KP	09/22/85	+08:46:00		
fr85h381.fits	BS 718	02:28:09.54	+08:27:36.2	6250	09/22/85	+08:52:49		
fr85h382.fits	BS 718	02:28:09.54	+08:27:36.2	6250	09/22/85	+08:53:53		
fr85h383.fits	BS 718	02:28:09.54	+08:27:36.2	6185	09/22/85	+09:03:25		
fr85h384.fits	BS 718	02:28:09.54	+08:27:36.2	6185	09/22/85	+09:01:51		
fr85h385.fits	BS 718	02:28:09.54	+08:27:36.2	5139	09/22/85	+09:08:58		
fr85h386.fits	BS 718	02:28:09.54	+08:27:36.2	5139	09/22/85	+09:11:41		
fr85h387.fits	BS 718	02:28:09.54	+08:27:36.2	4565	09/22/85	+09:13:20		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left, E down, rotate 270)
fr85h388.fits	BS 718	02:28:09.54	+08:27:36.2	4565	09/22/85	+09:14:32		
fr85h389.fits	21P/ Giacobini-Zinner	06:31:00.69	+08:23:19.8	5139	09/22/85	+09:35:39		
fr85h390.fits	21P/ Giacobini-Zinner	06:31:00.69	+08:23:19.8	5139	09/22/85	+09:44:31		
fr85h391.fits	21P/ Giacobini-Zinner	06:31:03.96	+08:21:44.5	4565	09/22/85	+09:54:53		
fr85h392.fits	21P/ Giacobini-Zinner	06:31:03.96	+08:21:44.5	6250	09/22/85	+10:02:45		
fr85h393.fits	21P/ Giacobini-Zinner	06:31:03.96	+08:21:44.5	6185	09/22/85	+10:12:16		
fr85h394.fits	21P/ Giacobini-Zinner	06:31:07.22	+08:20:09.3	6185	09/22/85	+10:22:35		
fr85h395.fits	21P/ Giacobini-Zinner	06:31:07.22	+08:20:09.3	5995 KP	09/22/85	+10:42:56		
fr85h396.fits	21P/ Giacobini-Zinner	06:31:07.22	+08:20:09.3	5980	09/22/85	+10:46:58		
fr85h397.fits	21P/ Giacobini-Zinner	06:31:10.46	+08:18:34.1	6300 KP	09/22/85	+10:52:15		
fr85h398.fits	21P/ Giacobini-Zinner	06:31:10.46	+08:18:34.1	6300	09/22/85	+11:04:44		
fr85h399.fits	21P/ Giacobini-Zinner	06:31:10.46	+08:18:34.1	8520 KP	09/22/85	+11:22:46		
fr85h400.fits	21P/ Giacobini-Zinner	06:31:13.68	+08:16:58.9	8600	09/22/85	+11:39:04		
fr85h401.fits	21P/ Giacobini-Zinner	06:31:13.68	+08:16:58.9	9280 KP	09/22/85	+11:45:57		
fr85h402.fits	21P/ Giacobini-Zinner	06:31:13.68	+08:16:58.9	9180	09/22/85	+11:49:47		
fr85h403.fits	21P/ Giacobini-Zinner	06:31:16.9	+08:15:23.7	9180	09/22/85	+11:53:40		
fr85h404.fits	21P/ Giacobini-Zinner	06:31:16.9	+08:15:23.7	6300 TLT	09/22/85	+12:04:29		
fr85h405.fits	21P/ Giacobini-Zinner	06:31:16.9	+08:15:23.7	KP OI TLT	09/22/85	+12:20:39		
fr85h406.fits	FLAT FIELD			6300	09/22/85	+23:29:24		
fr85h407.fits	FLAT FIELD			6300	09/22/85	+23:32:21		
fr85h408.fits	FLAT FIELD			6300KP	09/22/85	+23:36:02		
fr85h409.fits	FLAT FIELD			6300KP	09/22/85	+23:38:17		
fr85h410.fits	FLAT FIELD			5980	09/22/85	+23:41:20		
fr85h411.fits	FLAT FIELD			5980	09/22/85	+23:43:19		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left, E down, rotate 270)
fr85h412.fits	FLAT FIELD			5995KP	09/22/85	+23:46:59		
fr85h413.fits	FLAT FIELD			5995KP	09/22/85	+23:48:14		
fr85h414.fits	FLAT FIELD			6250	09/22/85	+23:59:41		
fr85h415.fits	FLAT FIELD			6250	09/23/85	+00:01:14		
fr85h416.fits	FLAT FIELD			6185	09/23/85	+00:03:49		
fr85h417.fits	FLAT FIELD			6185	09/23/85	+00:05:00		
fr85h418.fits	FLAT FIELD			5139	09/23/85	+00:10:16		
fr85h419.fits	FLAT FIELD			5139	09/23/85	+00:11:26		
fr85h420.fits	FLAT FIELD			4565	09/23/85	+00:15:40		
fr85h421.fits	FLAT FIELD			4565	09/23/85	+00:17:29		
fr85h422.fits	FLAT FIELD			9180	09/23/85	+00:25:56		
fr85h423.fits	FLAT FIELD			9180	09/23/85	+00:27:05		
fr85h424.fits	FLAT FIELD			9280KP	09/23/85	+00:30:05		
fr85h425.fits	FLAT FIELD			9280KP	09/23/85	+00:31:09		
fr85h426.fits	FLAT FIELD			8600	09/23/85	+00:33:20		
fr85h427.fits	FLAT FIELD			8600	09/23/85	+00:35:26		
fr85h428.fits	FLAT FIELD			8520KP	09/23/85	+00:37:51		
fr85h429.fits	FLAT FIELD			8520KP	09/23/85	+00:39:09		
fr85h470.fits	HILTNER 102	01:09:05.05	+62:47:30.2	5139	09/23/85	+08:35:32		
fr85h471.fits	HILTNER 102	01:09:05.05	+62:47:30.2	5139	09/23/85	+08:37:47		
fr85h472.fits	HILTNER 102	01:09:05.05	+62:47:30.2	6185	09/23/85	+08:40:17		
fr85h473.fits	HILTNER 102	01:09:05.05	+62:47:30.2	6185	09/23/85	+08:42:04		
fr85h474.fits	HILTNER 102	01:09:05.05	+62:47:30.2	6250	09/23/85	+08:44:10		
fr85h475.fits	HILTNER 102	01:09:05.05	+62:47:30.2	6250	09/23/85	+08:45:55		
fr85h476.fits	HILTNER 102	01:09:05.05	+62:47:30.2	6300	09/23/85	+08:48:05		
fr85h477.fits	HILTNER 102	01:09:05.05	+62:47:30.2	6300	09/23/85	+08:50:14		
fr85h478.fits	HILTNER 102	01:09:05.05	+62:47:30.2	4565	09/23/85	+08:55:52		
fr85h479.fits	HILTNER 102	01:09:05.05	+62:47:30.2	4565	09/23/85	+08:57:41		
fr85h480.fits	HILTNER 102	01:09:05.05	+62:47:30.2	4060	09/23/85	+09:00:19		
fr85h481.fits	HILTNER 102	01:09:05.05	+62:47:30.2	4060	09/23/85	+09:09:46		
fr85h482.fits	HILTNER 102	01:09:05.05	+62:47:30.2	5980	09/23/85	+09:17:10		
fr85h483.fits	HILTNER 102	01:09:05.05	+62:47:30.2	5980	09/23/85	+09:19:22		
fr85h484.fits	HILTNER 102	01:09:05.05	+62:47:30.2	9180	09/23/85	+09:25:44		
fr85h485.fits	HILTNER 102	01:09:05.05	+62:47:30.2	9180	09/23/85	+09:27:38		
fr85h486.fits	HILTNER 102	01:09:05.05	+62:47:30.2	8600	09/23/85	+09:32:17		
fr85h487.fits	HILTNER 102	01:09:05.05	+62:47:30.2	8600	09/23/85	+09:34:56		
fr85h488.fits	HILTNER 102	01:09:05.05	+62:47:30.2	8520	09/23/85	+09:38:21		
fr85h489.fits	HILTNER 102	01:09:05.05	+62:47:30.2	8520	09/23/85	+09:40:06		
fr85h490.fits	HILTNER 102	01:09:05.05	+62:47:30.2	6300 TILTED	09/23/85	+09:50:55		
fr85h491.fits	HILTNER 102	01:09:05.05	+62:47:30.2	6300 TILTED	09/23/85	+09:53:21		
fr85h492.fits	21P/ Giacobini- Zinner	06:33:44.81	+07:04:24.2	5139	09/23/85	+10:19:54		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left, E down, rotate 270)
fr85h493.fits	21P/ Giacobini- Zinner	06:33:44.81	+07:04:24.2	6185	09/23/85	+10:27:10		
fr85h494.fits	21P/ Giacobini- Zinner	06:33:44.81	+07:04:24.2	6250	09/23/85	+10:35:12		
fr85h495.fits	21P/ Giacobini- Zinner	06:33:47.95	+07:02:50.5	6300 TILTED	09/23/85	+10:42:50		
fr85h496.fits	21P/ Giacobini- Zinner	06:33:47.95	+07:02:50.5	6300	09/23/85	+11:00:39		
fr85h497.fits	1P/Halley	06:15:55.62	+19:46:10.0	5139	09/23/85	+11:20:44		
fr85h498.fits	1P/Halley	06:15:55.62	+19:46:10.0	6185	09/23/85	+11:28:26		
fr85h499.fits	1P/Halley	06:15:55.62	+19:46:10.0	6300	09/23/85	+11:35:57		
fr85h500.fits	1P/Halley	06:15:55.52	+19:46:12.0	6300 TILTED	09/23/85	+12:02:15		
fr85h501.fits	FLAT FIELD			6300 TILTED	09/23/85	+23:32:36	xName, xfilter	
fr85h502.fits	FLAT FIELD			6300 TILTED	09/23/85	+23:34:55	xName, xfilter	
fr85h503.fits	FLAT FIELD			6250	09/23/85	+23:38:44	xName, xfilter	
fr85h504.fits	FLAT FIELD			6250	09/23/85	+23:40:19	xName, xfilter	
fr85h505.fits	FLAT FIELD			6185	09/23/85	+23:42:45	xName, xfilter	
fr85h506.fits	FLAT FIELD			6185	09/23/85	+23:45:04	xName, xfilter	
fr85h507.fits	FLAT FIELD			5139	09/23/85	+23:47:55	xName, xfilter	
fr85h508.fits	FLAT FIELD			5139	09/23/85	+23:49:10	xName, xfilter	
fr85h509.fits	FLAT FIELD			4565	09/23/85	+23:56:54	xName, xfilter	
fr85h510.fits	FLAT FIELD			4565	09/23/85	+23:58:41	xName, xfilter	
fr85h511.fits	FLAT FIELD			4060	09/24/85	+00:09:00		
fr85h512.fits	FLAT FIELD			4060	09/24/85	+00:12:18		
fr85h513.fits	FLAT FIELD			9180	09/24/85	+00:20:58		
fr85h514.fits	FLAT FIELD			9180	09/24/85	+00:21:59		
fr85h515.fits	FLAT FIELD			8600	09/24/85	+00:25:13		
fr85h516.fits	FLAT FIELD			8600	09/24/85	+00:26:40		
fr85h517.fits	FLAT FIELD			8520	09/24/85	+00:29:44		
fr85h518.fits	FLAT FIELD			8520	09/24/85	+00:30:42		
fr85h519.fits	FLAT FIELD			5980	09/24/85	+00:32:57		
fr85h520.fits	FLAT FIELD			5980	09/24/85	+00:34:02		
fr85h521.fits	BS 718				09/24/85	+08:35:36	xName	no slit information given in logs
fr85h522.fits	BS 718	02:28:09.54	+08:27:36.2		09/24/85	+08:40:31		
fr85h523.fits	BS 718	02:28:09.54	+08:27:36.2		09/24/85	+08:44:29		
fr85h524.fits	BS 718	02:28:09.54	+08:27:36.2		09/24/85	+08:45:58		
fr85h525.fits	BS 2067	05:56:03.43	+13:55:29.7		09/24/85	+09:03:57		
fr85h526.fits	BS 2067	05:56:03.43	+13:55:29.7		09/24/85	+09:06:45		
fr85h527.fits	BS 2067	05:56:03.43	+13:55:29.7		09/24/85	+09:13:59		
fr85h528.fits	BS 2067	05:56:03.43	+13:55:29.7		09/24/85	+09:15:36		
fr85h529.fits	21P/ Giacobini- Zinner	06:36:11.65	+05:52:55.3		09/24/85	+09:31:46		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left, E down, rotate 270)
fr85h530.fits	21P/ Giacobini- Zinner	06:36:14.73	+05:51:23.0		09/24/85	+09:58:46		
fr85h531.fits	BS 2067	05:56:03.43	+13:55:29.7		09/24/85	+10:30:08		
fr85h532.fits	BS 2067	05:56:03.43	+13:55:29.7		09/24/85	+10:32:07		
fr85h533.fits	BS 2067	05:56:03.43	+13:55:29.7		09/24/85	+10:40:56		
fr85h534.fits	BS 2067	05:56:03.43	+13:55:29.7		09/24/85	+10:42:41		
fr85h535.fits	1P/Halley	06:15:50.82	+19:47:43.2		09/24/85	+10:55:44		
fr85h536.fits	1P/Halley	06:15:50.67	+19:47:45.3		09/24/85	+11:22:07		
fr85h537.fits	BS 2067	05:56:03.43	+13:55:29.7		09/24/85	+12:09:19		
fr85h538.fits	BS 2067	05:56:03.43	+13:55:29.7		09/24/85	+12:11:12		
fr85h539.fits	FLAT FIELD				09/24/85	+12:17:43		
fr85h540.fits	FLAT FIELD				09/24/85	+12:24:37		
fr85h541.fits	FLAT FIELD				09/24/85	+12:25:56		
fr85h542.fits	HE				09/24/85	+18:15:06		
fr85h543.fits	HE				09/24/85	+18:16:43		
fr85h544.fits	XE				09/24/85	+18:19:44		
fr85h545.fits	XE				09/24/85	+18:21:54		