

Table 1

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comment (orientation changes)
fr86c001.fit	COMP			V	1986-03-20	+06:37:12		Cannot verify fields for comps or pluto. astrometry fails.
fr86c002.fit	COMP			V	1986-03-20	+06:41:07		
fr86c003.fit	PLUTO			V	1986-03-20	+06:46:32		
fr86c004.fit	PLUTO			V	1986-03-20	+06:54:00		
fr86c005.fit	PLUTO			V	1986-03-20	+06:55:50		
fr86c006.fit	COMP			V	1986-03-20	+06:59:59		
fr86c007.fit	COMP			V	1986-03-20	+07:03:13		
fr86c008.fit	DARK				1986-03-20	+07:06:07		
fr86c009.fit	PLUTO			V	1986-03-20	+07:07:39		
fr86c010.fit	PLUTO			V	1986-03-20	+07:12:54		
fr86c011.fit	PLUTO			V	1986-03-20	+07:17:12		
fr86c012.fit	PLUTO			V	1986-03-20	+07:19:03		
fr86c013.fit	DARK				1986-03-20	+07:22:37		
fr86c014.fit	COMP			V	1986-03-20	+07:23:41		
fr86c015.fit	COMP			V	1986-03-20	+07:47:25		
fr86c016.fit	COMP			V	1986-03-20	+07:53:26		
fr86c017.fit	DARK				1986-03-20	+07:56:58		
fr86c018.fit	PLUTO			V	1986-03-20	+07:58:14		
fr86c019.fit	PLUTO			V	1986-03-20	+08:07:15		
fr86c020.fit	PLUTO			V	1986-03-20	+08:09:37		
fr86c021.fit	PLUTO			V	1986-03-20	+08:11:14		
fr86c022.fit	PLUTO			V	1986-03-20	+08:12:52		
fr86c023.fit	DARK				1986-03-20	+08:14:40		
fr86c024.fit	COMP			V	1986-03-20	+08:16:27		
fr86c025.fit	COMP			V	1986-03-20	+08:21:45		
fr86c026.fit	PLUTO			V	1986-03-20	+08:31:21		
fr86c027.fit	PLUTO			V	1986-03-20	+08:34:41		
fr86c028.fit	PLUTO			V	1986-03-20	+08:36:22		
fr86c029.fit	PLUTO			V	1986-03-20	+08:37:58		
fr86c030.fit	PLUTO			V	1986-03-20	+08:39:36		
fr86c031.fit	DARK				1986-03-20	+08:41:35		
fr86c032.fit	COMP			V	1986-03-20	+08:50:39		
fr86c033.fit	COMP			V	1986-03-20	+08:52:59		
fr86c034.fit	COMP			V	1986-03-20	+08:54:28		
fr86c035.fit	DARK				1986-03-20	+08:57:45		
fr86c036.fit	PLUTO			V	1986-03-20	+08:59:15		
fr86c037.fit	PLUTO			V	1986-03-20	+09:01:10		
fr86c038.fit	PLUTO			V	1986-03-20	+09:02:46		
fr86c039.fit	PLUTO			V	1986-03-20	+09:04:22		
fr86c040.fit	PLUTO			V	1986-03-20	+09:05:57		
fr86c041.fit	COMP			V	1986-03-20	+09:12:40		
fr86c042.fit	COMP			V	1986-03-20	+09:13:46		
fr86c043.fit	COMP			V	1986-03-20	+09:14:51		
fr86c044.fit	DARK				1986-03-20	+09:16:04		
fr86c045.fit	PLUTO			V	1986-03-20	+09:17:30		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comment (orientation changes)
fr86c046.fit	PLUTO			V	1986-03-20	+09:19:05		
fr86c047.fit	PLUTO			V	1986-03-20	+09:20:41		
fr86c048.fit	PLUTO			V	1986-03-20	+09:22:24		
fr86c049.fit	PLUTO			V	1986-03-20	+09:24:00		
fr86c050.fit	DARK				1986-03-20	+09:25:45		
fr86c051.fit	COMP			V	1986-03-20	+09:29:37		
fr86c052.fit	COMP			V	1986-03-20	+09:30:44		
fr86c053.fit	COMP			V	1986-03-20	+09:33:20		
fr86c054.fit	DARK				1986-03-20	+09:34:33		
fr86c055.fit	PLUTO			V	1986-03-20	+09:36:16		
fr86c056.fit	PLUTO			V	1986-03-20	+09:37:57		
fr86c057.fit	PLUTO			V	1986-03-20	+09:39:32		
fr86c058.fit	PLUTO			V	1986-03-20	+09:41:33		
fr86c059.fit	PLUTO			V	1986-03-20	+09:43:09		
fr86c060.fit	DARK				1986-03-20	+09:44:53		
fr86c061.fit	COMP			V	1986-03-20	+09:49:00		
fr86c062.fit	COMP			V	1986-03-20	+09:50:06		
fr86c063.fit	COMP			V	1986-03-20	+09:51:12		
fr86c064.fit	DARK				1986-03-20	+09:52:23		
fr86c065.fit	PLUTO			V	1986-03-20	+09:54:42		
fr86c066.fit	PLUTO			V	1986-03-20	+09:56:26		
fr86c067.fit	PLUTO			V	1986-03-20	+09:58:07		
fr86c068.fit	PLUTO			V	1986-03-20	+09:59:43		
fr86c069.fit	PLUTO			V	1986-03-20	+10:01:18		
fr86c070.fit	DARK				1986-03-20	+10:03:06		
fr86c071.fit	COMP			V	1986-03-20	+10:04:57		
fr86c072.fit	COMP			V	1986-03-20	+10:06:48		
fr86c073.fit	PLUTO			V	1986-03-20	+10:12:36		
fr86c074.fit	PLUTO			V	1986-03-20	+10:14:42		
fr86c075.fit	PLUTO			V	1986-03-20	+10:16:24		
fr86c076.fit	PLUTO			V	1986-03-20	+10:19:32		
fr86c077.fit	PLUTO			V	1986-03-20	+10:21:42		
fr86c078.fit	DARK				1986-03-20	+10:23:43		
fr86c079.fit	COMP			V	1986-03-20	+10:25:11		
fr86c080.fit	COMP			V	1986-03-20	+10:26:39		
fr86c081.fit	COMP			V	1986-03-20	+10:27:45		
fr86c082.fit	DARK				1986-03-20	+10:28:54		
fr86c083.fit	PLUTO			V	1986-03-20	+10:32:49		
fr86c084.fit	PLUTO			V	1986-03-20	+10:34:25		
fr86c085.fit	PLUTO			V	1986-03-20	+10:36:01		
fr86c086.fit	PLUTO			V	1986-03-20	+10:37:37		
fr86c087.fit	PLUTO			V	1986-03-20	+10:39:12		
fr86c088.fit	DARK				1986-03-20	+10:40:57		
fr86c089.fit	COMP			V	1986-03-20	+10:43:11		
fr86c090.fit	COMP			V	1986-03-20	+10:44:17		
fr86c091.fit	COMP			V	1986-03-20	+10:45:23		
fr86c092.fit	DARK				1986-03-20	+10:46:31		

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fr86c093.fit	PLUTO			V	1986-03-20	+10:50:51		
fr86c094.fit	PLUTO			V	1986-03-20	+10:52:27		
fr86c095.fit	PLUTO			V	1986-03-20	+10:54:03		
fr86c096.fit	PLUTO			V	1986-03-20	+10:55:45		
fr86c097.fit	PLUTO			V	1986-03-20	+10:57:42		
fr86c098.fit	DARK				1986-03-20	+10:59:24		
fr86c099.fit	COMP			V	1986-03-20	+11:01:34		
fr86c100.fit	COMP			V	1986-03-20	+11:02:53		
fr86c101.fit	COMP			V	1986-03-20	+11:03:58		
fr86c102.fit	DARK				1986-03-20	+11:05:14		
fr86c103.fit	PLUTO			V	1986-03-20	+11:09:50		
fr86c104.fit	PLUTO			V	1986-03-20	+11:13:43		
fr86c105.fit	PLUTO			V	1986-03-20	+11:16:19		
fr86c106.fit	PLUTO			V	1986-03-20	+11:20:40		
fr86c107.fit	PLUTO			V	1986-03-20	+11:23:40		
fr86c108.fit	DARK				1986-03-20	+11:26:25		
fr86c109.fit	COMP			V	1986-03-20	+11:30:34		
fr86c110.fit	COMP			V	1986-03-20	+11:32:27		
fr86c111.fit	COMP			V	1986-03-20	+11:35:05		
fr86c112.fit	DARK				1986-03-20	+11:36:40		
fr86c113.fit	PLUTO			V	1986-03-20	+11:42:04		
fr86c114.fit	PLUTO			V	1986-03-20	+11:45:31		
fr86c115.fit	PLUTO			V	1986-03-20	+12:04:30		
fr86c116.fit	DARK				1986-03-20	+12:09:57		
fr86c117.fit	COMP			V	1986-03-20	+12:12:18		
fr86c118.fit	COMP			V	1986-03-20	+12:14:11		
fr86c119.fit	COMP			V	1986-03-20	+12:15:44		
fr86c120.fit	PLUTO			V	1986-03-20	+12:19:33		
fr86c121.fit	PLUTO			V	1986-03-20	+12:21:47		
fr86c122.fit	PLUTO			V	1986-03-20	+12:24:30		
fr86c123.fit	DARK				1986-03-20	+12:27:13		
fr86c124.fit	COMP			V	1986-03-20	+12:28:15		
fr86c125.fit	COMP			V	1986-03-20	+12:29:31		
fr86c126.fit	"FLAT FIELD"			V	1986-03-20	+13:04:13		
fr86c127.fit	"FLAT FIELD"			V	1986-03-20	+13:05:07		
fr86c128.fit	DARK				1986-03-20	+13:10:07		
fr86c129.fit	DARK				1986-03-20	+13:08:23		
fr86c130.fit	"FLAT FIELD"			V	1986-03-20	+13:25:18		
fr86c131.fit	"FLAT FIELD"			V	1986-03-20	+13:26:36		
fr86c132.fit	"FLAT FIELD"			V	1986-03-20	+13:28:21		
fr86c133.fit	"FLAT FIELD"			V	1986-03-20	+13:29:29		
fr86c134.fit	"FLAT FIELD"			V	1986-03-20	+13:30:18		
fr86c135.fit	DARK				1986-03-20	+13:33:41		
fr86c136.fit	Alpha LEO	10:08:22.31	+11:58:02.0	R	1986-03-21	+07:58:18	xName	rotate 180 CCW invert x, 54 "/pix - astrometry
fr86c137.fit	"BETA HER"			R	1986-03-21	+10:43:04	xFilter	Cannot verify field, astrometry fails
fr86c138.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	R	1986-03-21	+10:49:01		SA 84-334, 67, 54.1 arcsec/pixel
fr86c139.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	R	1986-03-21	+10:51:28		

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fr86c140.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	R	1986-03-21	+10:55:13		
fr86c141.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	R	1986-03-21	+10:58:19		
fr86c142.fit	1P/Halley	19:39:38.23	-26:59:05.1	R	1986-03-21	+11:28:24		
fr86c143.fit	1P/Halley	19:39:38.23	-26:59:05.1	R	1986-03-21	+11:32:27		
fr86c144.fit	1P/Halley	19:39:36.50	-26:59:25.9	R	1986-03-21	+11:36:17		
fr86c145.fit	1P/Halley	19:39:36.50	-26:59:25.9	R	1986-03-21	+11:39:16		
fr86c146.fit	1P/Halley	19:39:36.50	-26:59:25.9	R	1986-03-21	+11:42:21		
fr86c147.fit	1P/Halley	19:39:34.76	-26:59:46.8	R	1986-03-21	+11:46:37		
fr86c148.fit	1P/Halley	19:39:34.76	-26:59:46.8	R	1986-03-21	+11:53:07		
fr86c149.fit	1P/Halley	19:39:33.03	-27:00:07.7	R	1986-03-21	+12:02:33		
fr86c150.fit	1P/Halley	19:39:31.29	-27:00:28.5	R	1986-03-21	+12:06:00		
fr86c151.fit	1P/Halley	19:39:31.29	-27:00:28.5	R	1986-03-21	+12:08:32		
fr86c152.fit	1P/Halley	19:39:31.29	-27:00:28.5	R	1986-03-21	+12:10:24		
fr86c153.fit	1P/Halley	19:39:31.29	-27:00:28.5	R	1986-03-21	+12:12:47		
fr86c154.fit	1P/Halley	19:39:29.54	-27:00:49.4	6185	1986-03-21	+12:16:27		
fr86c155.fit	1P/Halley	19:39:29.54	-27:00:49.4	6185	1986-03-21	+12:21:25		
fr86c156.fit	1P/Halley	19:39:27.80	-27:01:10.3	6185	1986-03-21	+12:27:12		
fr86c157.fit	1P/Halley	19:39:27.80	-27:01:10.3	6185	1986-03-21	+12:31:10		
fr86c158.fit	"FLAT FIELD (SKY)"			6185	1986-03-21	+12:55:06		
fr86c159.fit	"FLAT FIELD (SKY)"			6185	1986-03-21	+12:56:20		
fr86c160.fit	"FLAT FIELD (SKY)"			R	1986-03-21	+12:57:43		
fr86c161.fit	"FLAT FIELD (SKY)"			R	1986-03-21	+12:58:38		
fr86c162.fit	"FLAT FIELD (SKY)"			R	1986-03-21	+13:04:41		
fr86c163.fit	"FLAT FIELD (SKY)"			R	1986-03-21	+13:02:51		
fr86c164.fit	"FLAT FIELD (SKY)"			R	1986-03-21	+13:05:58		
fr86c165.fit	"DARK FRAME"				1986-03-21	+13:13:48		
fr86c166.fit	"DARK FRAME"				1986-03-21	+13:14:46		
fr86c167.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	R	1986-03-22	+10:20:20		5.14 arcsec/pixel
fr86c168.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	R	1986-03-22	+10:27:41		
fr86c169.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	V	1986-03-22	+10:31:48		
fr86c170.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	V	1986-03-22	+10:36:51		
fr86c171.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	I	1986-03-22	+10:48:09		
fr86c172.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	I	1986-03-22	+10:52:23		
fr86c173.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	B	1986-03-22	+10:56:19		
fr86c174.fit	"BS 6629"	17:47:53.56	+02:42:26.2	6185	1986-03-22	+11:09:27		One star assuming correct
fr86c175.fit	"BS 6629"	17:47:53.56	+02:42:26.2	6185	1986-03-22	+11:11:36		
fr86c176.fit	"BS 6629"	17:47:53.56	+02:42:26.2	6250	1986-03-22	+11:13:27		
fr86c177.fit	"BS 6629"	17:47:53.56	+02:42:26.2	6250	1986-03-22	+11:14:52		
fr86c178.fit	1P/Halley	19:35:20.96	-27:50:11.8	R	1986-03-22	+11:28:51		
fr86c179.fit	1P/Halley	19:35:20.96	-27:50:11.8	R	1986-03-22	+11:31:23		
fr86c180.fit	1P/Halley	19:35:20.96	-27:50:11.8	R	1986-03-22	+11:33:56		
fr86c181.fit	1P/Halley	19:35:19.08	-27:50:33.9	R	1986-03-22	+11:36:05		Log missing

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fr86c182.fit	1P/Halley	19:35:19.08	-27:50:33.9	V	1986-03-22	+11:43:48		Log missing
fr86c183.fit	1P/Halley	19:35:17.19	-27:50:55.9	V	1986-03-22	+11:50:13		Log missing
fr86c184.fit	1P/Halley	19:35:17.19	-27:50:55.9	V	1986-03-22	+11:52:42		Log missing
fr86c185.fit	1P/Halley	19:35:17.19	-27:50:55.9	V	1986-03-22	+11:54:33		Log missing
fr86c186.fit	1P/Halley	19:35:15.30	-27:51:18.0	6185	1986-03-22	+11:56:24		Log missing
fr86c187.fit	1P/Halley	19:35:15.30	-27:51:18.0	6185	1986-03-22	+12:00:57		Log missing
fr86c188.fit	1P/Halley	19:35:13.41	-27:51:40.1	6250	1986-03-22	+12:13:49		Log missing
fr86c189.fit	1P/Halley	19:35:09.63	-27:52:24.2	6250	1986-03-22	+12:26:40		Log missing
fr86c190.fit	1P/Halley	19:35:09.63	-27:52:24.2	R	1986-03-22	+12:33:44		Log missing
fr86c191.fit	1P/Halley	19:35:07.73	-27:52:46.3	R	1986-03-22	+12:35:28		Log missing
fr86c193.fit	"FLAT FIELD"			R	1986-03-22	+12:54:49		Log missing
fr86c194.fit	"FLAT FIELD"			R	1986-03-22	+12:55:51		Log missing
fr86c195.fit	"FLAT FIELD"			V	1986-03-22	+12:56:52		Log missing
fr86c196.fit	"FLAT FIELD"			V	1986-03-22	+12:58:49		Log missing
fr86c197.fit	"FLAT FIELD"			6185	1986-03-22	+13:03:45		
fr86c198.fit	"FLAT FIELD"			6185	1986-03-22	+13:02:21		
fr86c199.fit	"FLAT FIELD"			6250	1986-03-22	+13:06:27		
fr86c200.fit	"FLAT FIELD"			6250	1986-03-22	+13:09:14		
fr86c201.fit	DARK				1986-03-22	+13:18:00		
fr86c202.fit	DARK				1986-03-22	+13:25:57		
fr86c203.fit	FOCUS			R	1986-03-23	+03:45:58		
fr86c204.fit	FOCUS			6185	1986-03-23	+03:59:30		
fr86c205.fit	"BS 5511"	14:46:14.93	+01:53:34.4	6185	1986-03-23	+10:17:57		54 arcsec/pixel
fr86c206.fit	"BS 5511"	14:46:14.93	+01:53:34.4	6185	1986-03-23	+10:19:41		
fr86c207.fit	"BS 5511"	14:46:14.93	+01:53:34.4	5139	1986-03-23	+10:22:34		
fr86c208.fit	"BS 5511"	14:46:14.93	+01:53:34.4	5139	1986-03-23	+10:23:56		
fr86c209.fit	"BS 5511"	14:46:14.93	+01:53:34.4	4565	1986-03-23	+10:27:16		
fr86c210.fit	"BS 5511"	14:46:14.93	+01:53:34.4	4565	1986-03-23	+10:29:07		
fr86c211.fit	"BS 5511"	14:46:14.93	+01:53:34.4	R	1986-03-23	+10:32:38		
fr86c212.fit	"BS 5511"	14:46:14.93	+01:53:34.4	R	1986-03-23	+10:34:00		
fr86c213.fit	"BS 5511"	14:46:14.93	+01:53:34.4	GRATING	1986-03-23	+10:41:53		
fr86c214.fit	"BS 5511"	14:46:14.93	+01:53:34.4	GRATING	1986-03-23	+10:49:48		
fr86c215.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	R	1986-03-23	+11:05:08		
fr86c216.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	R	1986-03-23	+11:07:56		
fr86c217.fit	1P/Halley	19:30:42.89	-28:43:55.2	R	1986-03-23	+11:22:40		
fr86c218.fit	1P/Halley	19:30:40.83	-28:43:18.6	R	1986-03-23	+11:26:33		
fr86c219.fit	1P/Halley	19:30:40.83	-28:43:18.6	R	1986-03-23	+11:28:37		
fr86c220.fit	1P/Halley	19:30:40.83	-28:43:18.6	6185	1986-03-23	+11:33:29		
fr86c221.fit	1P/Halley	19:30:38.78	-28:44:42.0	6185	1986-03-23	+11:37:50		
fr86c222.fit	1P/Halley	19:30:38.78	-28:44:42.0	6185	1986-03-23	+11:44:32		
fr86c223.fit	1P/Halley	19:30:36.72	-28:45:05.4	5139	1986-03-23	+11:52:29		
fr86c224.fit	1P/Halley	19:30:34.66	-28:45:28.8	5139	1986-03-23	+11:55:12		
fr86c225.fit	1P/Halley	19:30:34.66	-28:45:28.8	5139	1986-03-23	+11:58:49		
fr86c226.fit	1P/Halley	19:30:32.60	-28:45:52.1	4565	1986-03-23	+12:06:49		
fr86c227.fit	1P/Halley	19:30:32.60	-28:45:52.1	4565	1986-03-23	+12:12:44		
fr86c228.fit	1P/Halley	19:30:30.54	-28:45:15.5	R	1986-03-23	+12:20:34		
fr86c229.fit	1P/Halley	19:30:30.54	-28:45:15.5	R	1986-03-23	+12:22:42		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comment (orientation changes)
fr86c230.fit	1P/Halley	19:30:28.47	-28:45:38.9	GRATING	1986-03-23	+12:28:06		
fr86c231.fit	1P/Halley	19:30:28.47	-28:45:38.9	GRATING	1986-03-23	+12:29:08		
fr86c232.fit	"FLAT FIELD"			R	1986-03-23	+12:44:02		
fr86c233.fit	"FLAT FIELD"			R	1986-03-23	+12:45:02		
fr86c234.fit	"FLAT FIELD"			6185	1986-03-23	+12:50:00		
fr86c235.fit	"FLAT FIELD"			6185	1986-03-23	+12:51:26		
fr86c236.fit	"FLAT FIELD"			6185	1986-03-23	+12:52:55	xfilter	
fr86c237.fit	"FLAT FIELD"			5139	1986-03-23	+12:54:27		
fr86c238.fit	"FLAT FIELD"			5139	1986-03-23	+12:55:30		
fr86c239.fit	"FLAT FIELD"			4565	1986-03-23	+12:58:29		
fr86c240.fit	"FLAT FIELD"			4565	1986-03-23	+12:59:19		
fr86c241.fit	DARK				1986-03-23	+13:03:53		
fr86c242.fit	DARK				1986-03-23	+13:13:45		
fr86c243.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	R	1986-03-24	+11:05:55		N left E down, rotate 270 CC
fr86c244.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	R	1986-03-24	+11:07:30		
fr86c245.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	R	1986-03-24	+11:08:47		
fr86c246.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	V	1986-03-24	+11:10:16		
fr86c247.fit	"SA 84-334"	16:16:51.66	+14:41:47.4	V	1986-03-24	+11:11:41		
fr86c248.fit	1P/Halley	19:25:36.84	-29:41:12.7	R	1986-03-24	+11:23:06		
fr86c249.fit	1P/Halley	19:25:34.59	-29:41:37.4	R	1986-03-24	+11:30:39		
fr86c250.fit	1P/Halley	19:25:34.59	-29:41:37.4	R	1986-03-24	+11:32:28		
fr86c251.fit	1P/Halley	19:25:34.59	-29:41:37.4	6185	1986-03-24	+11:33:38		
fr86c252.fit	1P/Halley	19:25:32.34	-29:42:02.1	6185	1986-03-24	+11:35:39		
fr86c253.fit	1P/Halley	19:25:32.34	-29:42:02.1	R	1986-03-24	+11:40:52		
fr86c254.fit	1P/Halley	19:25:32.34	-29:42:02.1	R	1986-03-24	+11:42:22		
fr86c255.fit	1P/Halley	19:25:32.34	-29:42:02.1	R	1986-03-24	+11:43:32		
fr86c256.fit	1P/Halley	19:25:30.09	-29:42:26.9	6250	1986-03-24	+11:45:15		
fr86c257.fit	1P/Halley	19:25:30.09	-29:42:26.9	6185	1986-03-24	+11:51:27		
fr86c258.fit	1P/Halley	19:25:27.83	-29:42:51.6	6185	1986-03-24	+11:57:21		
fr86c259.fit	1P/Halley	19:25:27.83	-29:42:51.6	R	1986-03-24	+12:00:22		
fr86c260.fit	1P/Halley	19:25:27.83	-29:42:51.6	R	1986-03-24	+12:01:40		
fr86c261.fit	1P/Halley	19:25:27.83	-29:42:51.6	V	1986-03-24	+12:03:04		
fr86c262.fit	1P/Halley	19:25:27.83	-29:42:51.6	V	1986-03-24	+12:04:07		
fr86c263.fit	1P/Halley	19:25:25.57	-29:43:16.4	V	1986-03-24	+12:05:05		
fr86c264.fit	1P/Halley	19:25:25.57	-29:43:16.4	6185	1986-03-24	+12:06:17		
fr86c265.fit	DARK				1986-03-24	+12:15:38		
fr86c266.fit	DARK				1986-03-24	+12:16:31		
fr86c267.fit	"FLAT FIELD"			6185	1986-03-24	+12:27:42		
fr86c268.fit	"FLAT FIELD"			6185	1986-03-24	+12:28:45		
fr86c269.fit	"FLAT FIELD"			6250	1986-03-24	+12:30:33		
fr86c270.fit	"FLAT FIELD"			6250	1986-03-24	+12:31:50		
fr86c271.fit	"FLAT FIELD"			R	1986-03-24	+12:35:57		
fr86c272.fit	"FLAT FIELD"			R	1986-03-24	+12:36:52		
fr86c273.fit	"FLAT FIELD"			V	1986-03-24	+12:39:14		
fr86c274.fit	"FLAT FIELD"			V	1986-03-24	+12:40:13		