

Table 1

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left E up, rotate 90 CCW)
fr90e001.fits	Comet 2P/ Encke	11:02:21.85	+14:54:03.9	B/DICHR	"Tue Oct 09 1990"	12:00:02		
fr90e002.fits	Comet 2P/ Encke	11:02:26.72	+14:53:17.3	B/DICHR	"Tue Oct 09 1990"	12:12:57		
fr90e003.fits	Comet 2P/ Encke	11:02:31.60	+14:52:30.8	B/DICHR	"Tue Oct 09 1990"	12:28:43		
fr90e004.fits	Comet 2P/ Encke	11:10:09.97	+13:38:31.5	B/DICHR	"Wed Oct 10 1990"	12:09:46		
fr90e005.fits	Comet 2P/ Encke	11:10:13.16	+13:38:00.2	B/DICHR	"Wed Oct 10 1990"	12:21:32		
fr90e006.fits	Comet 22P/ Kopff	02:11:47.25	+05:36:31.5	OPEN	"Thu Oct 11 1990"	09:54:12		
fr90e007.fits	Comet 22P/ Kopff	02:11:46.86	+05:36:29.3	OPEN	"Thu Oct 11 1990"	09:59:13		
fr90e008.fits	Comet 22P/ Kopff	02:11:46.47	+05:36:27.1	B/DICHR	"Thu Oct 11 1990"	10:08:05		
fr90e009.fits	Comet 22P/ Kopff	02:11:45.31	+05:36:20.6	B/DICHR	"Thu Oct 11 1990"	10:42:04		
fr90e010.fits	Comet 22P/ Kopff	02:11:44.16	+05:36:14.0	B/DICHR	"Thu Oct 11 1990"	11:06:51		
fr90e011.fits	Comet 22P/ Kopff	02:11:43.39	+05:36:09.6	B/DICHR	"Thu Oct 11 1990"	11:30:19		
fr90e012.fits	Comet 22P/ Kopff	02:11:43.00	+05:36:07.4	B/DICHR	"Thu Oct 11 1990"	11:40:22		
fr90e013.fits	Comet 22P/ Kopff	02:11:42.62	+05:36:05.3	OPEN	"Thu Oct 11 1990"	11:46:12		
fr90e014.fits	Comet 22P/ Kopff	02:11:42.62	+05:36:05.3	OPEN	"Thu Oct 11 1990"	11:48:03		
fr90e015.fits	Comet 22P/ Kopff	02:11:42.62	+05:36:05.3	OPEN	"Thu Oct 11 1990"	11:50:01		
fr90e016.fits	Comet 2P/ Encke	11:17:45.61	+12:23:18.4	B/DICHR	"Thu Oct 11 1990"	12:04:03		
File 17								Log is written, but no file exists
File 18								Log is written, but no file exists
File 104-139								Log is written, but no file exists
sp90e001.fits	Comet 2P/ Encke	11:02:25.10	+14:53:32.9		"Tue Oct 09 1990"	12:11:48		
sp90e002.fits	Comet 2P/ Encke	11:02:28.35	+14:53:01.8		"Tue Oct 09 1990"	12:18:16		
sp90e003.fits	BS 3862	09:42:14.42	-23:54:56.1		"Tue Oct 09 1990"	12:35:41	xName	BS3862 according to log.
sp90e004.fits	BS 3862	09:42:14.42	-23:54:56.1		"Tue Oct 09 1990"	12:39:03	xName	BS3862 according to log.
sp90e005.fits	BS 3862	09:42:14.42	-23:54:56.1		"Tue Oct 09 1990"	12:40:10	xName	BS3862 according to log.
sp90e006.fits	BS 3862	09:42:14.42	-23:54:56.1		"Tue Oct 09 1990"	12:42:03	xName	BS3862 according to log.
sp90e007.fits	BS 3862	09:42:14.42	-23:54:56.1		"Tue Oct 09 1990"	12:44:55	xName	BS3862 according to log.
sp90e008.fits	BS 3862	09:42:14.42	-23:54:56.1		"Tue Oct 09 1990"	12:46:21	xName	BS3862 according to log.
sp90e009.fits	HELIUM				"Wed Oct 10 1990"	02:21:55		No log
sp90e010.fits	HELIUM				"Wed Oct 10 1990"	02:23:24		No log

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sp90e011.fits	XENON				"Wed Oct 10 1990"	02:25:08		No log
sp90e012.fits	XENON				"Wed Oct 10 1990"	02:26:49		No log
sp90e013.fits	MERCURY				"Wed Oct 10 1990"	02:28:31		No log
sp90e014.fits	MERCURY				"Wed Oct 10 1990"	02:29:19		No log
sp90e015.fits	BS8781	23:04:45.65	+15:12:19.0		"Wed Oct 10 1990"	06:18:07		No log
sp90e016.fits	BS8781	23:04:45.65	+15:12:19.0		"Wed Oct 10 1990"	06:22:34		No log
sp90e017.fits	BS8781	23:04:45.65	+15:12:19.0		"Wed Oct 10 1990"	06:23:55		No log
sp90e018.fits	BS8781	23:04:45.65	+15:12:19.0		"Wed Oct 10 1990"	06:25:30		No log
sp90e019.fits	BS8781	23:04:45.65	+15:12:19.0		"Wed Oct 10 1990"	06:27:31		No log
sp90e020.fits	"ARP 150B"				"Wed Oct 10 1990"	06:40:34		No log; could be ARP 150 (NGC 7609) galaxy.
sp90e021.fits	"ARP 150B"				"Wed Oct 10 1990"	06:51:43		No log; could be ARP 150 (NGC 7609) galaxy.
sp90e022.fits	"ARP 150A"				"Wed Oct 10 1990"	07:09:43		No log; could be ARP 150 (NGC 7609) galaxy.
sp90e023.fits	"ARP 150A"				"Wed Oct 10 1990"	07:20:32		No log; could be ARP 150 (NGC 7609) galaxy.
sp90e024.fits	BS 8781	23:04:45.65	+15:12:19.0		"Wed Oct 10 1990"	07:38:44		No log
sp90e025.fits	BS 8781	23:04:45.65	+15:12:19.0		"Wed Oct 10 1990"	07:41:07		No log
sp90e026.fits	BS 8781	23:04:45.65	+15:12:19.0		"Wed Oct 10 1990"	07:42:12		No log
sp90e027.fits	BS 8781	23:04:45.65	+15:12:19.0		"Wed Oct 10 1990"	07:43:23		No log
sp90e028.fits	BS 8781	23:04:45.65	+15:12:19.0		"Wed Oct 10 1990"	07:44:32		No log
sp90e029.fits	BS 8781	23:04:45.65	+15:12:19.0		"Wed Oct 10 1990"	07:45:20		No log
sp90e030.fits	"ARP 150B"				"Wed Oct 10 1990"	07:52:26		No log; could be ARP 150 (NGC 7609) galaxy.
sp90e031.fits	"ARP 150B"				"Wed Oct 10 1990"	08:03:23		No log; could be ARP 150 (NGC 7609) galaxy.
sp90e032.fits	DEIMOS	04:50:40.60	+21:40:44.5		"Wed Oct 10 1990"	10:02:22		
sp90e033.fits	DEIMOS	04:50:40.88	+21:40:46.5		"Wed Oct 10 1990"	10:12:21		
sp90e034.fits	DEIMOS	04:50:41.43	+21:40:50.6		"Wed Oct 10 1990"	10:33:55		
sp90e035.fits	DEIMOS	04:50:41.71	+21:40:52.6		"Wed Oct 10 1990"	10:43:07		
sp90e036.fits	DEIMOS	04:50:41.98	+21:40:54.5		"Wed Oct 10 1990"	10:53:23		
sp90e037.fits	BS 3750	09:27:46.78	-06:04:16.3		"Wed Oct 10 1990"	11:55:18	xName	Log sheet says BS 3750
sp90e038.fits	BS 3750	09:27:46.78	-06:04:16.3		"Wed Oct 10 1990"	11:56:31	xName	Log sheet says BS 3750
sp90e039.fits	BS 3750	09:27:46.78	-06:04:16.3		"Wed Oct 10 1990"	11:57:33	xName	Log sheet says BS 3750

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sp90e040.fits	Comet 2P/ Encke	11:10:09.97	+13:38:31.5		"Wed Oct 10 1990"	12:09:42		
sp90e041.fits	Comet 2P/ Encke	11:10:13.16	+13:38:00.2		"Wed Oct 10 1990"	12:20:26		
sp90e042.fits	BS 3862	09:42:14.42	-23:54:56.1		"Wed Oct 10 1990"	12:38:54		
sp90e043.fits	BS 3862	09:42:14.42	-23:54:56.1		"Wed Oct 10 1990"	12:40:48		
sp90e044.fits	BS 3862	09:42:14.42	-23:54:56.1		"Wed Oct 10 1990"	12:42:41		
sp90e045.fits	BS 3862	09:42:14.42	-23:54:56.1		"Wed Oct 10 1990"	12:44:34		
sp90e046.fits	BS 3862	09:42:14.42	-23:54:56.1		"Wed Oct 10 1990"	12:45:50		
sp90e047.fits	BS 3862	09:42:14.42	-23:54:56.1		"Wed Oct 10 1990"	12:47:16		
sp90e048.fits	BS 7906	20:39:38.29	+15:54:43.5		"Thu Oct 11 1990"	03:11:08		
sp90e049.fits	BS 7906	20:39:38.29	+15:54:43.5		"Thu Oct 11 1990"	03:12:06		
sp90e050.fits	BS 7906	20:39:38.29	+15:54:43.5		"Thu Oct 11 1990"	03:14:06		
sp90e051.fits	BS 7906	20:39:38.29	+15:54:43.5		"Thu Oct 11 1990"	03:14:59		
sp90e052.fits	BS 7906	20:39:38.29	+15:54:43.5		"Thu Oct 11 1990"	03:16:26		
sp90e053.fits	BS 508	01:44:55.82	+20:04:59.3		"Thu Oct 11 1990"	08:00:19		
sp90e054.fits	BS 508	01:44:55.82	+20:04:59.3		"Thu Oct 11 1990"	08:01:10		
sp90e055.fits	BS 508	01:44:55.82	+20:04:59.3		"Thu Oct 11 1990"	08:01:59		
sp90e056.fits	BS 508	01:44:55.82	+20:04:59.3		"Thu Oct 11 1990"	08:03:58		
sp90e057.fits	BS 2251	06:17:16.14	+05:06:00.4		"Thu Oct 11 1990"	08:14:14		
sp90e058.fits	BS 2251	06:17:16.14	+05:06:00.4		"Thu Oct 11 1990"	08:15:08		
sp90e059.fits	BS 2251	06:17:16.14	+05:06:00.4		"Thu Oct 11 1990"	08:16:11		
sp90e060.fits	BS 2251	06:17:16.14	+05:06:00.4		"Thu Oct 11 1990"	08:17:00		
sp90e061.fits	Comet 22P/ Kopff	02:11:50.08	+05:36:53.2		"Thu Oct 11 1990"	10:16:55		
sp90e062.fits	Comet 22P/ Kopff	02:11:49.11	+05:36:47.7		"Thu Oct 11 1990"	10:40:14		
sp90e063.fits	Comet 22P/ Kopff	02:11:47.95	+05:36:41.2		"Thu Oct 11 1990"	11:11:57		
sp90e064.fits	Comet 2P/ Encke	11:17:47.18	+12:23:02.6		"Thu Oct 11 1990"	12:08:00		
sp90e065.fits	Comet 2P/ Encke	11:17:50.33	+12:22:31.2		"Thu Oct 11 1990"	12:18:42		
sp90e066.fits	BS 3862	09:42:14.42	-23:54:56.1		"Thu Oct 11 1990"	12:35:21		
sp90e067.fits	BS 3862	09:42:14.42	-23:54:56.1		"Thu Oct 11 1990"	12:36:35		
sp90e068.fits	BS 3862	09:42:14.42	-23:54:56.1		"Thu Oct 11 1990"	12:38:19		

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Above output obtained by running: <code>hselect fr*.fits \$1,object,ra,dec,filter,date,ut-strt yes -90,baselect</code>								
The <b>Log Differences</b> and <b>Comments</b> columns are the observations noted after comparing the FITS header with log sheets.								
sp90e069.fits	BS 3862	09:42:14.42	-23:54:56.1		"Thu Oct 11 1990"	12:39:56		
sp90e070.fits	BS 3862	09:42:14.42	-23:54:56.1		"Thu Oct 11 1990"	12:42:11		
sp90e071.fits	BS 3862	09:42:14.42	-23:54:56.1		"Thu Oct 11 1990"	12:44:02		