

Table 1

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left E up, rotate 90 CCW)
fr91a001.fits	C/1991 F2 (Helin-Lawrence)	12:11:55.96	+07:53:00.3	OPEN	"Sat May 11 1991"	04:04:00		
fr91a002.fits	Comet C/1990 M1 (McNaught-Hughes)	13:33:28.97	+33:18:09.8	OPEN	"Sat May 11 1991"	07:00:07		
fr91a003.fits	Comet 83D/Russell 1	16:50:21.92	-13:28:19.8	OPEN	"Sat May 11 1991"	09:13:55		RA and DEC not perfectly centered
fr91a004.fits	Comet 83D/Russell 1	16:50:21.41	-13:28:10.2	OPEN	"Sat May 11 1991"	09:26:20		RA and DEC not perfectly centered
fr91a005.fits	Comet 83D/Russell 1	16:50:21.16	-13:28:05.5	OPEN	"Sat May 11 1991"	09:37:20		RA and DEC not perfectly centered
fr91a006.fits	Comet 81P/Wild 2	17:52:08.15	-18:18:49.3	OPEN	"Sat May 11 1991"	09:47:01		
fr91a007.fits	PLUTO	15:23:21.96	-02:24:07.2	OPEN	"Sat May 11 1991"	10:08:21		
fr91a008.fits	Comet C/1991 B1 (Shoemaker-Levy)	08:49:33.88	+21:14:51.5	OPEN	"Sun May 12 1991"	03:42:41		
fr91a009.fits	Comet 100P/Hartley 1	13:10:01.26	-03:42:32.8	OPEN	"Sun May 12 1991"	05:32:32		
fr91a010.fits	TRITON	19:12:07.31	-21:35:10.9	B/DICHR	"Sun May 12 1991"	09:57:38		
fr91a011.fits	TRITON	19:12:07.28	-21:35:10.9	B/DICHR	"Sun May 12 1991"	10:18:08		
fr91a012.fits	TRITON	19:12:07.22	-21:35:10.8	B/DICHR	"Sun May 12 1991"	10:48:25		
fr91a013.fits	TRITON	19:12:07.19	-21:35:10.7	B/DICHR	"Sun May 12 1991"	11:05:36		
fr91a014.fits	TRITON	19:12:07.17	-21:35:10.7	B/DICHR	"Sun May 12 1991"	11:21:59		
fr91a015.fits	PLUTO	15:23:09.94	-02:23:27.2	B/DICHR	"Mon May 13 1991"	07:44:47		
fr91a016.fits	PLUTO	15:23:09.36	-02:23:25.4	B/DICHR	"Mon May 13 1991"	09:45:58		
fr91a017.fits	Landolt SA 77	09:16:07.27	+14:13:37.0	IJ	"Tue May 14 1991"	03:57:03	xName, xFilter	
fr91a018.fits	Landolt SA 77	09:16:07.27	+14:13:37.0	IJ	"Tue May 14 1991"	04:01:35	xName, xFilter	
fr91a019.fits	Landolt SA 77	09:16:07.27	+14:13:37.0	IJ	"Tue May 14 1991"	04:20:18	xName, xFilter	
fr91a020.fits	FF			IJ	"Tue May 14 1991"	04:44:17		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left E up, rotate 90 CCW)
fr91a021.fits	FF			IJ	"Tue May 14 1991"	04:45:36		
fr91a022.fits	FF			IJ	"Tue May 14 1991"	04:46:29		
fr91a023.fits	FF			IJ	"Tue May 14 1991"	04:47:18		
fr91a024.fits	FF			OPEN	"Tue May 14 1991"	05:00:48		
fr91a025.fits	FF			OPEN	"Tue May 14 1991"	05:01:39		
fr91a026.fits	Comet 100P/ Hartley 1	13:08:11.35	-04:28:45.1	OPEN	"Tue May 14 1991"	05:34:11		
fr91a027.fits	Comet C/ 1990 M1 (McNaught- Hughes)	13:25:11.21	+34:05:21.6	OPEN	"Tue May 14 1991"	08:05:11		
fr91a028.fits	Comet 100P/ Hartley 1	13:09:59.15	-03:43:20.9		"Sun May 12 1991"	06:24:01		Spectral images from here on. Above images were spectral images as well, but they were overwritten by star images.
fr91a029.fits	Comet 100P/ Hartley 1	13:09:57.89	-03:43:49.8		"Sun May 12 1991"	06:45:49		
fr91a030.fits	BS 5853	15:44:01.68	+02:30:57.0		"Sun May 12 1991"	07:27:02		
fr91a031.fits	BS 5853	15:44:01.68	+02:30:57.0		"Sun May 12 1991"	07:28:36		
fr91a032.fits	BS 5853	15:44:01.68	+02:30:57.0		"Sun May 12 1991"	07:30:07		
fr91a033.fits	BS 5996	16:07:03.37	-14:04:16.7		"Sun May 12 1991"	07:38:40		
fr91a034.fits	BS 5996	16:07:03.37	-14:04:16.7		"Sun May 12 1991"	07:39:35		
fr91a035.fits	BS 5996	16:07:03.37	-14:04:16.7		"Sun May 12 1991"	07:41:35		
fr91a036.fits	BS 5996	16:07:03.37	-14:04:16.7		"Sun May 12 1991"	07:42:43		
fr91a037.fits	BS 6060	16:15:37.27	-08:22:10.0		"Sun May 12 1991"	07:50:08		
fr91a038.fits	BS 6060	16:15:37.27	-08:22:10.0		"Sun May 12 1991"	07:51:07		
fr91a039.fits	BS 6060	16:15:37.27	-08:22:10.0		"Sun May 12 1991"	07:52:08		
fr91a040.fits	BS 6060	16:15:37.27	-08:22:10.0		"Sun May 12 1991"	07:53:34		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left E up, rotate 90 CCW)
fr91a041.fits	BS 6060	16:15:37.27	-08:22:10.0		"Sun May 12 1991"	07:57:04		
fr91a042.fits	BS 6060	16:15:37.27	-08:22:10.0		"Sun May 12 1991"	07:58:02		
fr91a043.fits	BS 6060	16:15:37.27	-08:22:10.0		"Sun May 12 1991"	07:58:48		
fr91a044.fits	BS 5511	14:46:14.93	+01:53:34.4		"Sun May 12 1991"	08:08:05		
fr91a045.fits	BS 5511	14:46:14.93	+01:53:34.4		"Sun May 12 1991"	08:09:16		
fr91a046.fits	BS 5511	14:46:14.93	+01:53:34.4		"Sun May 12 1991"	08:10:49		
fr91a047.fits	BS 5511	14:46:14.93	+01:53:34.4		"Sun May 12 1991"	08:11:45		
fr91a048.fits	BS 6629	17:47:53.56	+02:42:26.2		"Sun May 12 1991"	08:21:19		
fr91a049.fits	BS 6629	17:47:53.56	+02:42:26.2		"Sun May 12 1991"	08:22:07		
fr91a050.fits	BS 6629	17:47:53.56	+02:42:26.2		"Sun May 12 1991"	08:22:54		
fr91a051.fits	BS 6629	17:47:53.56	+02:42:26.2		"Sun May 12 1991"	08:23:41		
fr91a052.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	08:30:54		
fr91a053.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	08:31:45		
fr91a054.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	08:32:41		
fr91a055.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	08:33:39		
fr91a056.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	08:34:27		
fr91a057.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	08:35:21		
fr91a058.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	08:36:29		
fr91a059.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	08:37:23		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left E up, rotate 90 CCW)
fr91a060.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	09:05:56		
fr91a061.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	09:07:02		
fr91a062.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	09:07:50		
fr91a063.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	09:08:41		
fr91a064.fits	TRITON	19:12:07.37	-21:35:11.0		"Sun May 12 1991"	09:30:02		
fr91a065.fits	TRITON	19:12:07.35	-21:35:11.0		"Sun May 12 1991"	09:37:54		
fr91a066.fits	TRITON	19:12:07.35	-21:35:11.0		"Sun May 12 1991"	09:44:28		
fr91a067.fits	TRITON	19:12:07.31	-21:35:10.9		"Sun May 12 1991"	09:55:11		
fr91a068.fits	TRITON	19:12:07.30	-21:35:10.9		"Sun May 12 1991"	10:09:20		
fr91a069.fits	TRITON	19:12:07.28	-21:35:10.9		"Sun May 12 1991"	10:20:09		
fr91a070.fits	TRITON	19:12:07.26	-21:35:10.8		"Sun May 12 1991"	10:31:00		
fr91a071.fits	TRITON	19:12:07.24	-21:35:10.8		"Sun May 12 1991"	10:43:47		
fr91a072.fits	TRITON	19:12:07.22	-21:35:10.8		"Sun May 12 1991"	10:54:27		
fr91a073.fits	TRITON	19:12:07.19	-21:35:10.7		"Sun May 12 1991"	11:05:42		
fr91a074.fits	TRITON	19:12:07.17	-21:35:10.7		"Sun May 12 1991"	11:16:29		
fr91a075.fits	NEPTUNE	19:12:08.10	-21:35:19.2		"Sun May 12 1991"	11:29:09		
fr91a076.fits	NEPTUNE	19:12:08.10	-21:35:19.2		"Sun May 12 1991"	11:31:04		
fr91a077.fits	NEPTUNE	19:12:08.10	-21:35:19.2		"Sun May 12 1991"	11:32:42		
fr91a078.fits	NEPTUNE	19:12:08.10	-21:35:19.2		"Sun May 12 1991"	11:34:04		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left E up, rotate 90 CCW)
fr91a079.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	11:41:54		
fr91a080.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	11:42:43		
fr91a081.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	11:43:53		
fr91a082.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	11:44:38		
fr91a083.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	11:45:25		
fr91a084.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	11:46:09		
fr91a085.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	11:46:51		
fr91a086.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	11:47:32		
fr91a087.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	11:48:14		
fr91a088.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	11:48:56		
fr91a089.fits	BS 6998	18:38:53.40	-21:03:06.7		"Sun May 12 1991"	11:49:38		
fr91a090.fits	PLUTO	15:23:09.94	-02:23:27.2		"Mon May 13 1991"	07:44:55		Pluto not in slit, useless
fr91a091.fits	PLUTO	15:23:09.81	-02:23:26.8		"Mon May 13 1991"	08:08:28		
fr91a092.fits	PLUTO	15:23:09.81	-02:23:26.8		"Mon May 13 1991"	08:08:28		
fr91a093.fits	PLUTO	15:23:09.76	-02:23:26.7		"Mon May 13 1991"	08:19:54		
fr91a094.fits	PLUTO	15:23:09.72	-02:23:26.5		"Mon May 13 1991"	08:30:54		
fr91a095.fits	PLUTO	15:23:09.67	-02:23:26.4		"Mon May 13 1991"	08:42:05		
fr91a096.fits	PLUTO	15:23:09.63	-02:23:26.2		"Mon May 13 1991"	08:53:17		
fr91a097.fits	PLUTO	15:23:09.58	-02:23:26.1		"Mon May 13 1991"	09:03:55		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left E up, rotate 90 CCW)
fr91a098.fits	PLUTO	15:23:09.49	-02:23:25.8		"Mon May 13 1991"	09:15:27		
fr91a099.fits	PLUTO	15:23:09.45	-02:23:25.7		"Mon May 13 1991"	09:26:00		
fr91a100.fits	PLUTO	15:23:09.40	-02:23:25.5		"Mon May 13 1991"	09:37:08		
fr91a101.fits	BS 5853	15:44:01.68	+02:30:57.0		"Mon May 13 1991"	09:56:05		
fr91a102.fits	BS 5853	15:44:01.68	+02:30:57.0		"Mon May 13 1991"	09:57:42		
fr91a103.fits	BS 5853	15:44:01.68	+02:30:57.0		"Mon May 13 1991"	09:58:28		
fr91a104.fits	BS 5853	15:44:01.68	+02:30:57.0		"Mon May 13 1991"	09:59:16		
fr91a105.fits	BS 5853	15:44:01.68	+02:30:57.0		"Mon May 13 1991"	10:00:11		
fr91a106.fits	BS 5853	15:44:01.68	+02:30:57.0		"Mon May 13 1991"	10:14:36		
fr91a107.fits	BS 5853	15:44:01.68	+02:30:57.0		"Mon May 13 1991"	10:15:21		
fr91a108.fits	BS 5853	15:44:01.68	+02:30:57.0		"Mon May 13 1991"	10:16:14		
fr91a109.fits	BS 5853	15:44:01.68	+02:30:57.0		"Mon May 13 1991"	10:18:18		
fr91a110.fits	BS 5853	15:44:01.68	+02:30:57.0		"Mon May 13 1991"	10:19:18		
fr91a111.fits	BS 5968	16:01:02.66	+33:18:12.6		"Mon May 13 1991"	10:31:05		
fr91a112.fits	BS 5968	16:01:02.66	+33:18:12.6		"Mon May 13 1991"	10:32:13		
fr91a113.fits	BS 5968	16:01:02.66	+33:18:12.6		"Mon May 13 1991"	10:33:24		
fr91a114.fits	BS 5968	16:01:02.66	+33:18:12.6		"Mon May 13 1991"	10:34:26		
fr91a115.fits	BS 5968	16:01:02.66	+33:18:12.6		"Mon May 13 1991"	10:35:14		
fr91a116.fits	BS 6629	17:47:53.56	+02:42:26.2		"Mon May 13 1991"	10:42:41		

File	Object	RA set	DEC set	Filter	Date	UT-STRT	Log Differences	Comments (N left E up, rotate 90 CCW)
fr91a117.fits	BS 6629	17:47:53.56	+02:42:26.2		"Mon May 13 1991"	10:44:06		
fr91a118.fits	BS 6629	17:47:53.56	+02:42:26.2		"Mon May 13 1991"	10:44:53		
fr91a119.fits	BS 6629	17:47:53.56	+02:42:26.2		"Mon May 13 1991"	10:45:36		
fr91a120.fits	BS 6629	17:47:53.56	+02:42:26.2		"Mon May 13 1991"	11:05:31		
fr91a121.fits	BS 6629	17:47:53.56	+02:42:26.2		"Mon May 13 1991"	11:14:10		
fr91a122.fits	BS 6629	17:47:53.56	+02:42:26.2		"Mon May 13 1991"	11:15:34		
fr91a123.fits	Comet 100P/ Hartley 1	13:08:09.03	-04:29:42.8		"Tue May 14 1991"	06:30:55		
fr91a124.fits	Comet 100P/ Hartley 1	13:08:08.25	-04:30:02.0		"Tue May 14 1991"	06:52:48		
fr91a125.fits	Comet 100P/ Hartley 1	13:08:07.48	-04:30:21.2		"Tue May 14 1991"	07:14:29		
fr91a126.fits	Comet C/ 1990 M1 (McNaught- Hughes)	13:25:11.21	+34:05:21.6		"Tue May 14 1991"	08:13:53		
fr91a127.fits	Comet C/ 1990 M1 (McNaught- Hughes)	13:25:08.98	+34:05:33.4		"Tue May 14 1991"	08:34:49		
fr91a128.fits	Comet C/ 1990 M1 (McNaught- Hughes)	13:25:05.64	+34:05:51.0		"Tue May 14 1991"	08:55:23		
fr91a129.fits	BS 5270	14:02:31.85	+09:41:09.9		"Tue May 14 1991"	09:29:58		
fr91a130.fits	BS 5270	14:02:31.85	+09:41:09.9		"Tue May 14 1991"	09:30:58		
fr91a131.fits	BS 5270	14:02:31.85	+09:41:09.9		"Tue May 14 1991"	09:31:50		
fr91a132.fits	BS 5534	14:50:15.86	+23:54:42.7		"Tue May 14 1991"	09:37:49		
fr91a133.fits	BS 5534	14:50:15.86	+23:54:42.7		"Tue May 14 1991"	09:39:17		
fr91a134.fits	BS 5534	14:50:15.86	+23:54:42.7		"Tue May 14 1991"	09:40:18		
fr91a135.fits	BS 5534	14:50:15.86	+23:54:42.7		"Tue May 14 1991"	09:47:57		
fr91a136.fits	BS 5534	14:50:15.86	+23:54:42.7		"Tue May 14 1991"	09:49:04		
fr91a137.fits	BS 5534	14:50:15.86	+23:54:42.7		"Tue May 14 1991"	09:50:08		

Above output obtained by running: `hselect *.fits sl,object,ra,dec,filter,date,ut-strl yes > 91a_hselect`  
 The Log Differences and Comments columns are the observations noted after comparing the FITS header with log sheets.

File	Object	RA set	DEC set	Filter	Date	UT-STRL	Log Differences	Comments (N left E up, rotate 90 CCW)
fr91a138.fits	BS 6629	17:47:53.56	+02:42:26.2		"Tue May 14 1991"	09:59:06		
fr91a139.fits	BS 6629	17:47:53.56	+02:42:26.2		"Tue May 14 1991"	10:00:02		
fr91a140.fits	BS 6629	17:47:53.56	+02:42:26.2		"Tue May 14 1991"	10:01:03		
fr91a141.fits	BS 6629	17:47:53.56	+02:42:26.2		"Tue May 14 1991"	10:13:52		
fr91a142.fits	BS 6629	17:47:53.56	+02:42:26.2		"Tue May 14 1991"	10:14:50		
fr91a143.fits	BS 6629	17:47:53.56	+02:42:26.2		"Tue May 14 1991"	10:15:51		
fr91a144.fits	BS6629	17:47:53.56	+02:42:26.2		"Tue May 14 1991"	10:25:35	xName???	Unknown lamp, useless; Logsheet says some lamp, likely He/Ne, but its spectrum is overlaid over BS6629