



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



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UT Date 2004-02-24 Observers P Berlind

Coll. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	0:06	02:55:06.6	+31:28:47	300	90	3.0	#112 Orion PMS	4	clouds,fog,snow
0002-0010.BIAS	0	0:07	02:56:11.7	+31:28:48	300	90	3.0	#112 Orion PMS	4	
0011-0020.FLAT	8	0:11	02:59:44.1	+31:28:48	300	90	3.0	#112 Orion PMS	4	
0021-0030.BIAS	0	0:13	03:01:58.3	+31:28:49	300	90	3.0	#112 Orion PMS	2	
0031-0034.FLAT	16	0:15	03:04:25.8	+31:28:49	300	90	3.0	#112 Orion PMS	2	
0035-0040.FLAT	16	0:19	03:08:02.5	+31:28:50	300	90	3.0	#112 Orion PMS	2	
0041.Feige34	150	7:54	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0042.Feige34	180	7:56	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0043.COMP	10	8:00	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0044.N3227	180	8:10	10:23:30.6	+19:51:54	300	33	3.0	#6 AGN Monitor	4	
0045.N3227	180	8:13	10:23:30.6	+19:51:54	300	33	3.0	#6 AGN Monitor	4	
0046.COMP	5	8:17	10:23:30.6	+19:51:54	300	33	3.0	#6 AGN Monitor	4	
0047.MRK421	360	8:18	11:04:27.4	+38:12:32	300	0	3.0	#133 MRK421 an	4	
0048.MRK421	360	8:24	11:04:27.4	+38:12:32	300	0	3.0	#133 MRK421 an	4	
0049.COMP	5	8:30	11:04:27.4	+38:12:32	300	0	3.0	#133 MRK421 an	4	
0050.cairnsk5_056	900	11:07	13:21:22.9	26:35:49	300	0	3.0	#64 Cluster In	4	
0051.COMP	5	11:22	13:21:22.9	26:35:49	300	0	3.0	#64 Cluster In	4	
0052.sn2004ab	1200	11:24	13:16:58.1	-16:37:52	300	22	3.0	#2 SN Observat	2	
0053.COMP	10	11:44	13:16:58.1	-16:37:52	300	22	3.0	#2 SN Observat	2	
0054.cairnsk5_057	900	11:49	12:33:21.1	27:46:49	300	90	3.0	#64 Cluster In	4	



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UT Date 2004-02-24 Observers P BerlindColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0055.COMP	5	12:05	12:33:21.1	27:46:49	300	90	3.0	#64 Cluster In	4	
0056.cairnsk5_058	900	12:06	13:3:31.5	22:50:48	300	90	3.0	#64 Cluster In	4	
0057.COMP	5	12:21	13:3:31.5	22:50:48	300	90	3.0	#64 Cluster In	4	
0058.cairnsk5_059	900	12:21	13:3:42.3	32:59:22	300	90	3.0	#64 Cluster In	4	
0059.COMP	5	12:37	13:3:42.3	32:59:22	300	90	3.0	#64 Cluster In	4	
0060.cairnsk5_060	720	12:38	13:5:0.6	23:29:28	300	90	3.0	#64 Cluster In	4	
0061.COMP	5	12:50	13:5:0.6	23:29:28	300	90	3.0	#64 Cluster In	4	
0062.N5548	300	12:51	14:17:59.6	+25:08:12	300	67	3.0	#6 AGN Monitor	4	stopped by fog again at dawn
0063.COMP	5	12:57	14:17:59.6	+25:08:12	300	67	3.0	#6 AGN Monitor	4	
0064-0073.BIAS	0	13:00	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	4	
0074-0083.FLAT	8	13:04	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	4	
0084-0093.BIAS	0	13:06	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	2	
0094-0103.FLAT	16	13:12	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	2	