



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



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UT Date 2004-04-15 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0003.DARK	900	0:38	18:02:57.4	-30:05:10	300	90	3.0	#68	4	
0004-0005.BIAS	0	1:12	18:02:57.4	-30:05:10	300	90	3.0	#68	4	
0006-0010.BIAS	0	1:30	18:02:57.4	-30:05:10	300	90	3.0	#68	2	
0011.DARK	900	1:31	18:02:57.4	-30:05:10	300	90	3.0	#68	2	
0012-0021.BIAS	0	1:51	18:02:57.4	-30:05:10	300	90	3.0	#68	4	
0022-0031.FLAT	8	1:54	18:02:57.4	-30:05:10	300	90	3.0	#68	4	
0032-0041.BIAS	0	1:56	18:02:57.4	-30:05:10	300	90	3.0	#68	2	
0042-0051.FLAT	16	2:02	18:02:57.4	-30:05:10	300	90	3.0	#68	2	
0052-0056.Sky	30	2:17	18:02:57.4	-30:05:10	300	90	3.0	#57 Velocity S	2	
0057.COMP	5	2:20	18:02:57.4	-30:05:10	300	90	3.0	#57 Velocity S	2	
0058.HD84937	20	2:23	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0059.HD84937	20	2:24	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0060.HD84937	20	2:24	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0061.COMP	5	2:26	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0062.HD84937	10	2:29	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0063.HD84937	10	2:30	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0064.COMP	5	2:32	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0065.Feige34	50	2:44	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0066.Feige34	50	2:45	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0067.COMP	5	2:47	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	



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0068.Feige34	100	2:48	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0069.Feige34	100	2:49	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0070.COMP	5	2:52	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0071.N3227	150	2:54	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0072.N3227	150	2:57	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0073.COMP	5	3:00	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0074.MRK421	240	3:01	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0075.MRK421	240	3:05	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0076.COMP	5	3:10	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0077.2M054550.17-073753.9	900	3:13	05:45:50.1	-07:37:53	300	90	3.0	#68 2MASS Reds	4	
0078.COMP	5	3:26	05:45:48.6	-07:36:56	300	90	3.0	#68 2MASS Reds	4	
0079.2M05205769+2340308	1200	3:31	05:20:57.6	+23:40:30	300	90	3.0	#68 2MASS Reds	4	
0080.2M05205769+2340308	800	3:52	05:20:57.6	+23:40:30	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	4:05	05:20:57.6	+23:40:30	300	90	3.0	#68 2MASS Reds	4	
0082.2M083454.0+010251	360	4:08	8:34:54.0	+01:2:51	300	90	3.0	#68 2MASS Reds	4	
0083.COMP	5	4:15	8:34:54.0	+01:2:51	300	90	3.0	#68 2MASS Reds	4	
0084.2M085007.6+023852	330	4:16	8:50:7.6	+02:38:52	300	90	3.0	#68 2MASS Reds	4	
0085.COMP	5	4:22	8:50:7.6	+02:38:52	300	90	3.0	#68 2MASS Reds	4	
0086.sn2004at	1200	4:28	10:58:45.1	+59:29:12	300	10	3.0	#2 SN Observat	2	
0087.COMP	5	4:48	10:58:45.1	+59:29:12	300	10	3.0	#2 SN Observat	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0088.SNu5894	1200	4:58	10:47:37.4	26:18:12	300	90	3.0	#2 SN Observat	2	
0089.COMP	5	5:18	10:47:37.4	26:18:12	300	90	3.0	#2 SN Observat	2	
0090.SN2004bh	1200	5:21	09:40:56.4	+27:46:46	300	90	3.0	#2 SN Observat	2	
0091.COMP	5	5:42	09:40:56.4	+27:46:46	300	90	3.0	#2 SN Observat	2	
0092.2M094604.9+005218	300	5:44	9:46:4.9	+00:52:18	300	90	3.0	#68 2MASS Reds	2	
0093.COMP	5	5:50	9:46:4.9	+00:52:18	300	90	3.0	#68 2MASS Reds	2	
0094.2M102544.2+102230	330	5:52	10:25:44.2	+10:22:30	300	90	3.0	#68 2MASS Reds	4	
0095.COMP	5	5:58	10:25:44.2	+10:22:30	300	90	3.0	#68 2MASS Reds	4	
0096.2M102857.0+082900	700	5:59	10:28:57.0	+08:29:0	300	90	3.0	#68 2MASS Reds	4	
0097.COMP	5	6:13	10:28:57.0	+08:29:0	300	90	3.0	#68 2MASS Reds	4	
0098.2M103006.2+382810	700	6:15	10:30:6.2	+38:28:10	300	90	3.0	#68 2MASS Reds	4	
0099.COMP	5	6:27	10:30:6.2	+38:28:10	300	90	3.0	#68 2MASS Reds	4	
0100.2M104458.8+370816	300	6:28	10:44:58.8	+37:8:16	300	90	3.0	#68 2MASS Reds	4	
0101.COMP	5	6:34	10:44:58.8	+37:8:16	300	90	3.0	#68 2MASS Reds	4	
0102.2M104506.3+385902	1200	6:35	10:45:6.3	+38:59:2	300	90	3.0	#68 2MASS Reds	4	
0103.COMP	5	6:55	10:45:6.3	+38:59:2	300	90	3.0	#68 2MASS Reds	4	
0104.2M105611.8+465250	300	6:57	10:56:11.8	+46:52:50	300	90	3.0	#68 2MASS Reds	4	
0105.COMP	5	7:02	10:56:11.8	+46:52:50	300	90	3.0	#68 2MASS Reds	4	
0106.2M105946.0+534812	330	7:04	10:59:46.0	+53:48:12	300	90	3.0	#68 2MASS Reds	4	
0107.COMP	5	7:10	10:59:46.0	+53:48:12	300	90	3.0	#68 2MASS Reds	4	



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0108.2M103423.9+592315	300	7:11	10:34:23.9	+59:23:15	300	90	3.0	#68 2MASS Reds	4	
0109.COMP	5	7:17	10:34:23.9	+59:23:15	300	90	3.0	#68 2MASS Reds	4	
0110.2M110809.0+720301	900	7:19	11:8:9.0	+72:3:1	300	90	3.0	#68 2MASS Reds	4	
0111.COMP	5	7:35	11:8:9.0	+72:3:1	300	90	3.0	#68 2MASS Reds	4	
0112.2M110809.0+720301	900	7:36	11:8:9.0	+72:3:1	300	90	3.0	#68 2MASS Reds	4	
0113.COMP	5	7:52	11:8:9.0	+72:3:1	300	90	3.0	#68 2MASS Reds	4	
0114.2M112702.9+573601	900	8:11	11:27:2.9	+57:36:1	300	90	3.0	#68 2MASS Reds	4	
0115.COMP	5	8:27	11:27:2.9	+57:36:1	300	90	3.0	#68 2MASS Reds	4	
0116.2M113024.8+560826	600	8:28	11:30:24.8	+56:8:26	300	90	3.0	#68 2MASS Reds	4	
0117.COMP	5	8:38	11:30:24.8	+56:8:26	300	90	3.0	#68 2MASS Reds	4	
0118.2M115627.2+602505	420	8:40	11:56:27.2	+60:25:5	300	75	3.0	#68 2MASS Reds	4	
0119.COMP	5	8:48	11:56:27.2	+60:25:5	300	75	3.0	#68 2MASS Reds	4	
0120.2M120921.8+753349	330	8:50	12:9:21.8	+75:33:49	300	90	3.0	#68 2MASS Reds	4	
0121.COMP	5	8:56	12:9:21.8	+75:33:49	300	90	3.0	#68 2MASS Reds	4	
0122.2M133714.9+554011	330	8:58	13:37:14.9	+55:40:11	300	90	3.0	#68 2MASS Reds	4	
0123.COMP	5	9:04	13:37:14.9	+55:40:11	300	90	3.0	#68 2MASS Reds	4	
0124.2M134330.5+614953	330	9:05	13:43:30.5	+61:49:53	300	90	3.0	#68 2MASS Reds	4	
0125.COMP	5	9:11	13:43:30.5	+61:49:53	300	90	3.0	#68 2MASS Reds	4	
0126.2M135432.2+582345	720	9:13	13:54:32.2	+58:23:45	300	90	3.0	#68 2MASS Reds	4	
0127.COMP	5	9:25	13:54:32.2	+58:23:45	300	90	3.0	#68 2MASS Reds	4	



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0128.2M141004.1+580221	330	9:27	14:10:4.1	+58:2:21	300	90	3.0	#68 2MASS Reds	4	
0129.COMP	5	9:33	14:10:4.1	+58:2:21	300	90	3.0	#68 2MASS Reds	4	
0130.2M141117.2+551823	300	9:34	14:11:17.2	+55:18:23	300	90	3.0	#68 2MASS Reds	4	
0131.COMP	5	9:40	14:11:17.2	+55:18:23	300	90	3.0	#68 2MASS Reds	4	
0132.N4051	150	9:41	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0133.N4051	150	9:44	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0134.COMP	5	9:47	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0135.N4151	30	9:48	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0136.N4151	30	9:48	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0137.COMP	5	9:52	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0138.N5548	240	9:55	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0139.N5548	240	9:59	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0140.COMP	5	10:03	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0141.2M175854.9-083633	960	10:09	17:58:54.9	-08:36:33	300	90	3.0	#68 2MASS Reds	4	
0142.COMP	5	10:25	17:58:54.9	-08:36:33	300	90	3.0	#68 2MASS Reds	4	
0143.2M175854.9-083633	1140	10:26	17:58:54.9	-08:36:33	300	90	3.0	#68 2MASS Reds	4	
0144.COMP	5	10:45	17:58:54.9	-08:36:33	300	90	3.0	#68 2MASS Reds	4	
0145-0154.BIAS	0	11:16	18:14:28.4	+00:47:40	300	90	3.0	#2 SN Observat	4	
0155-0156.FLAT	8	11:16	18:14:28.4	+00:47:40	300	90	3.0	#2 SN Observat	4	
0157.FLAT	8	11:17	17:28:48.7	+13:27:47	300	90	3.0	#2 SN Observat	4	



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0158.FLAT	8	11:17	17:29:02.8	+31:22:33	300	90	3.0	#2 SN Observat	4	
0159-0163.FLAT	8	11:19	17:30:44.5	+31:30:25	300	90	3.0	#2 SN Observat	4	
0164.FLAT	8	11:19	17:31:02.1	+31:30:24	300	90	3.0	#2 SN Observat	4	
0165-0174.BIAS	0	11:21	17:33:14.0	+31:30:24	300	90	3.0	#2 SN Observat	2	
0175.FLAT	16	11:22	17:33:52.2	+31:30:24	300	90	3.0	#2 SN Observat	2	
0176-0180.FLAT	16	11:24	17:36:50.0	+31:30:23	300	90	3.0	#2 SN Observat	2	
0181-0184.FLAT	16	11:27	17:39:10.6	+31:30:22	300	90	3.0	#2 SN Observat	2	