



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 13636

UT Date 2005-10-01 Observers M Calkins

Coll. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	1:13	18:43:41.8	+31:29:24	300	90	3.0	#160 2MACS	4	
0002.DARK	900	1:28	18:58:52.8	+31:29:16	300	90	3.0	#160 2MACS	4	
0003-0011.BIAS	0	1:59	19:14:35.2	+31:29:09	300	90	3.0	#160 2MACS	4	
0012.BIAS	0	1:59	19:14:43.7	+31:29:08	300	90	3.0	#160 2MACS	4	
0013-0017.FLAT	8	2:01	19:16:28.1	+31:29:08	300	90	3.0	#160 2MACS	4	
0018-0022.FLAT	8	2:02	19:17:41.8	+31:29:07	300	90	3.0	#160 2MACS	4	
0023-0025.BIAS	0	2:03	19:18:46.9	+31:29:07	300	90	3.0	#160 2MACS	2	
0026-0032.BIAS	0	2:04	19:20:17.7	+31:29:06	300	90	3.0	#160 2MACS	2	
0033-0036.FLAT	16	2:07	19:22:40.5	+31:29:05	300	90	3.0	#160 2MACS	2	
0037-0041.FLAT	16	2:09	19:24:50.0	+31:29:04	300	90	3.0	#160 2MACS	2	
0042-0045.FLAT	16	2:11	19:26:53.1	+31:29:03	300	90	3.0	#160 2MACS	2	
0046-0050.FLAT	16	2:13	19:29:16.1	+31:29:02	300	90	3.0	#160 2MACS	2	
0051-0052.FLAT	16	2:14	19:30:12.6	+31:29:01	300	90	3.0	#160 2MACS	2	
0053.BDp284211	60	2:21	21:51:11.1	28:51:53	300	104	3.0	#56 Spectropho	2	
0054.BDp284211	60	2:22	21:51:11.1	28:51:53	300	104	3.0	#56 Spectropho	2	
0055.COMP	12	2:23	21:51:11.1	28:51:53	300	104	3.0	#56 Spectropho	2	
0056.BDp174708	4	2:26	22:11:31.4	18:05:33	300	109	3.0	#56 Spectropho	2	
0057.BDp174708	4	2:27	22:11:31.4	18:05:33	300	109	3.0	#56 Spectropho	2	
0058.BDp174708	4	2:27	22:11:31.4	18:05:33	300	109	3.0	#56 Spectropho	2	need more counts
0059.COMP	12	2:28	22:11:31.4	18:05:33	300	109	3.0	#56 Spectropho	2	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 13637

UT Date 2005-10-01 Observers M Calkins

Coll. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0060.BDp174708	40	2:28	22:11:31.4	18:05:33	300	109	3.0	#56 Spectropho	2	
0061.BDp174708	40	2:29	22:11:31.4	18:05:33	300	109	3.0	#56 Spectropho	2	
0062.COMP	12	2:30	22:11:31.4	18:05:33	300	109	3.0	#56 Spectropho	2	
0063.6X576511	720	3:00	19:48:24.1	+50:05:06	300	-4	3.0	#141 Mapping t	2	
0064.COMP	12	3:13	19:48:24.1	+50:05:06	300	-4	3.0	#141 Mapping t	2	
0065.6X576550	600	3:15	19:48:50.5	+50:52:58	300	100	3.0	#141 Mapping t	2	
0066.COMP	12	3:25	19:48:50.5	+50:52:58	300	100	3.0	#141 Mapping t	2	
0067.6X576526	150	3:27	19:49:00.0	+50:18:46	300	100	3.0	#141 Mapping t	2	
0068.COMP	12	3:30	19:49:00.0	+50:18:46	300	100	3.0	#141 Mapping t	2	
0069.6X576609	600	3:31	19:49:41.2	+50:46:55	300	98	3.0	#141 Mapping t	2	
0070.COMP	12	3:42	19:49:41.2	+50:46:55	300	98	3.0	#141 Mapping t	2	
0071.6X576594	1200	3:45	19:49:48.5	+50:25:46	300	80	3.0	#141 Mapping t	2	stellar?
0072.COMP	12	4:06	19:49:48.5	+50:25:46	300	80	3.0	#141 Mapping t	2	
0073.6X587422	900	4:07	19:49:48.7	+50:41:46	300	105	3.0	#141 Mapping t	2	
0074.COMP	12	4:23	19:49:48.7	+50:41:46	300	105	3.0	#141 Mapping t	2	
0075.6X587515	780	4:26	19:50:49.3	+50:04:00	300	90	3.0	#141 Mapping t	2	
0076.COMP	12	4:42	19:50:49.3	+50:04:00	300	90	3.0	#141 Mapping t	2	
0077.6X576641	1200	4:44	19:50:52.7	+50:20:42	300	90	3.0	#141 Mapping t	2	row=72
0078.COMP	12	5:04	19:50:52.7	+50:20:42	300	90	3.0	#141 Mapping t	2	
0079.M31	60	5:07	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 13638

UT Date 2005-10-01 Observers M Calkins

Coll. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0080.COMP	12	5:09	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0081.2M21012680+0157043	600	5:19	21:01:26.8	+01:57:04	300	60	3.0	#141 Mapping t	2	
0082.COMP	12	5:30	21:01:26.8	+01:57:04	300	60	3.0	#141 Mapping t	2	
0083.2M21014277+6224201	1200	5:32	21:01:42.7	+62:24:20	300	90	3.0	#141 Mapping t	2	row=65
0084.COMP	12	5:53	21:01:42.7	+62:24:20	300	90	3.0	#141 Mapping t	2	
0085.2M21024452+3033422	1200	5:55	21:02:44.5	+30:33:42	300	85	3.0	#141 Mapping t	2	
0086.COMP	12	6:16	21:02:44.5	+30:33:42	300	85	3.0	#141 Mapping t	2	
0087.2M21031504+3557232	360	6:17	21:03:15.0	+35:57:23	300	85	3.0	#141 Mapping t	2	
0088.COMP	12	6:24	21:03:15.0	+35:57:23	300	85	3.0	#141 Mapping t	2	
0089.2M21045685+6218400	1500	6:29	21:04:56.8	+62:18:40	300	90	3.0	#141 Mapping t	2	row=70
0090.COMP	12	6:54	21:04:56.8	+62:18:40	300	90	3.0	#141 Mapping t	2	
0091.BDp174708	40	7:05	22:11:31.4	18:05:33	300	59	3.0	#56 Spectropho	2	tilt=750, GG-495 filt
0092.BDp174708	40	7:06	22:11:31.4	18:05:33	300	59	3.0	#56 Spectropho	2	
0093.COMP	12	7:08	22:11:31.4	18:05:33	300	59	3.0	#56 Spectropho	2	
0094-0098.FLAT	16	7:10	22:11:31.4	18:05:33	300	59	3.0	#56 Spectropho	2	
0099.sn2005M006	1800	7:38	02:30:27.2	-09:16:10	300	-30	3.0	#2 SN Observat	2	
0100.COMP	12	8:09	02:30:27.2	-09:16:10	300	-30	3.0	#2 SN Observat	2	
0101-0105.FLAT	16	8:13	02:30:27.2	-09:16:10	300	-30	3.0	#56 Spectropho	2	
0106.0397_13	300	8:41	02:53:59.4	+15:46:40	300	90	3.0	#160 2MACS	4	
0107.COMP	5	8:47	02:53:59.4	+15:46:40	300	90	3.0	#160 2MACS	4	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 13639

UT Date 2005-10-01 Observers M Calkins

Coll. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0108.0397_14	540	8:57	02:56:43.2	+15:51:18	300	90	3.0	#160 2MACS	4	
0109.COMP	5	9:07	02:56:43.2	+15:51:18	300	90	3.0	#160 2MACS	4	
0110.0397_15	720	9:09	02:57:59.8	+15:51:46	300	90	3.0	#160 2MACS	4	
0111.COMP	5	9:21	02:57:59.8	+15:51:46	300	90	3.0	#160 2MACS	4	
0112.0397_16	300	9:22	02:56:40.4	+15:52:57	300	90	3.0	#160 2MACS	4	
0113.COMP	5	9:27	02:56:40.4	+15:52:57	300	90	3.0	#160 2MACS	4	
0114.0397_17	660	9:29	02:56:14.0	+15:53:56	300	90	3.0	#160 2MACS	4	
0115.COMP	5	9:40	02:56:14.0	+15:53:56	300	90	3.0	#160 2MACS	4	
0116.0397_18	450	9:42	02:58:51.2	+15:55:59	300	100	3.0	#160 2MACS	4	
0117.COMP	5	9:50	02:58:51.2	+15:55:59	300	100	3.0	#160 2MACS	4	
0118.0397_19	300	9:51	02:57:32.6	+15:59:05	300	90	3.0	#160 2MACS	4	
0119.COMP	5	9:56	02:57:32.6	+15:59:05	300	90	3.0	#160 2MACS	4	
0120.0397_20	540	9:57	02:56:52.0	+15:59:17	300	90	3.0	#160 2MACS	4	
0121.COMP	5	10:06	02:56:52.0	+15:59:17	300	90	3.0	#160 2MACS	4	
0122.0397_21	600	10:07	02:56:19.0	+15:59:36	300	90	3.0	#160 2MACS	4	
0123.COMP	5	10:18	02:56:19.0	+15:59:36	300	90	3.0	#160 2MACS	4	
0124.0397_22	300	10:19	02:55:59.2	+15:59:56	300	90	3.0	#160 2MACS	4	
0125.COMP	5	10:24	02:55:59.2	+15:59:56	300	90	3.0	#160 2MACS	4	
0126.sn2005ek	1800	10:28	03:05:48.9	+36:46:10	300	-30	3.0	#2 SN Observat	2	
0127.COMP	12	10:59	03:05:48.9	+36:46:10	300	-30	3.0	#2 SN Observat	2	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 13640

UT Date 2005-10-01 Observers M Calkins

Coll. Focus 1020 Grating/Grism 300

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0128.0407_36	1200	11:01	02:59:23.4	+36:03:40	300	90	3.0	#160 2MACS	2	
0129.COMP	12	11:24	02:59:23.4	+36:03:40	300	90	3.0	#160 2MACS	2	
0130.0407_37	360	11:25	03:00:55.4	+36:04:14	300	90	3.0	#160 2MACS	2	need more counts, get again
0131.COMP	12	11:32	03:00:55.4	+36:04:14	300	90	3.0	#160 2MACS	2	
0132.0407_37	720	11:33	03:00:55.4	+36:04:14	300	90	3.0	#160 2MACS	2	
0133.COMP	12	11:45	03:00:55.4	+36:04:14	300	90	3.0	#160 2MACS	2	
0134.sn2005eo	1800	11:48	7:59:13.9	+32:55:19	300	100	3.0	#2 SN Observat	2	
0135.COMP	12	12:19	7:59:13.9	+32:55:19	300	100	3.0	#2 SN Observat	2	
0136.Hiltner600	60	12:21	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0137.COMP	12	12:23	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0138.Hiltner600	60	12:24	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0139.COMP	5	12:25	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0140-0149.BIAS	0	12:29	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0150-0159.FLAT	8	12:33	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0160-0169.BIAS	0	12:37	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0170-0189.FLAT	16	12:47	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0190-0199.DARK	900	15:16	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	