



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



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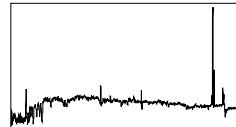
Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	2:36	14:29:01.1	31:30:33	300	90	3.0	#57 Velocity S	4	start of FAST run
0002.BIAS	0	2:36	14:29:09.1	31:30:33	300	90	3.0	#57 Velocity S	4	
0003-0010.BIAS	0	2:38	14:30:11.1	31:30:32	300	90	3.0	#57 Velocity S	4	
0011-0020.FLAT	8	2:41	14:33:26.2	31:30:32	300	90	3.0	#57 Velocity S	4	
0021.BIAS	0	2:41	14:36:19.2	31:30:32	300	90	3.0	#57 Velocity S	2	Hi Susan!
0022-0030.BIAS	0	2:46	14:38:21.2	31:30:32	300	90	3.0	#57 Velocity S	2	
0031-0034.FLAT	16	2:48	14:40:56.2	31:30:32	300	90	3.0	#57 Velocity S	2	
0035-0040.FLAT	16	2:51	14:43:55.2	31:30:31	300	90	3.0	#57 Velocity S	2	
0041.N5866	180	2:51	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	overcast @ sunset; clearing...
0042.COMP	5	2:51	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0043.MRK421	300	2:51	11:04:27.4	+38:12:32	300	75	3.0	#6 AGN Monitor	4	
0044.COMP	5	2:51	11:04:27.4	+38:12:32	300	75	3.0	#6 AGN Monitor	4	
0045.N4051	150	2:51	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0046.N4051	150	2:51	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0047.COMP	5	2:51	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0048.N4151	30	2:51	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0049.N4151	30	2:51	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0050.COMP	5	2:51	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0051.MRK279	180	2:51	13:51:53.6	69:33:13	300	-40	3.0	#6 AGN Monitor	4	
0052.MRK279	180	2:51	13:51:53.6	69:33:13	300	-40	3.0	#6 AGN Monitor	4	



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0053.COMP	5	2:51	13:51:53.6	69:33:13	300	-40	3.0	#6 AGN Monitor	4	
0054.N5548	120	2:51	14:17:59.6	+25:08:12	300	68	3.0	#6 AGN Monitor	4	
0055.N5548	120	2:51	14:17:59.6	+25:08:12	300	68	3.0	#6 AGN Monitor	4	
0056.COMP	5	2:51	14:17:59.6	+25:08:12	300	68	3.0	#6 AGN Monitor	4	
0057.comak_031	480	2:51	12:31:33.1	23:55:58	300	90	3.0	#64f Cluster I	4	
0058.COMP	5	2:51	12:31:33.1	23:55:58	300	90	3.0	#64f Cluster I	4	
0059.comak_032	300	2:51	12:57:05.3	28:58:53	300	90	3.0	#64f Cluster I	4	
0060.COMP	5	2:51	12:57:05.3	28:58:53	300	90	3.0	#64f Cluster I	4	
0061.comak_034	420	2:51	12:39:32.0	27:29:50	300	90	3.0	#64f Cluster I	4	
0062.COMP	5	2:51	12:39:32.0	27:29:50	300	90	3.0	#64f Cluster I	4	
0063.comak_035	270	2:51	13:02:22.0	33:12:53	300	90	3.0	#64f Cluster I	4	
0064.COMP	5	2:51	13:02:22.0	33:12:53	300	90	3.0	#64f Cluster I	4	
0065.comak_037	330	2:51	13:06:11.5	21:30:15	300	90	3.0	#64f Cluster I	4	
0066.COMP	5	2:51	13:06:11.5	21:30:15	300	90	3.0	#64f Cluster I	4	
0067.comak_039	330	2:51	13:31:37.5	24:45:27	300	90	3.0	#64f Cluster I	4	
0068.COMP	5	2:51	13:31:37.5	24:45:27	300	90	3.0	#64f Cluster I	4	
0069.comak_036	240	2:51	13:23:28.7	33:45:03	300	90	3.0	#64f Cluster I	4	
0070.COMP	5	2:51	13:23:28.7	33:45:03	300	90	3.0	#64f Cluster I	4	
0071.comak_033	270	2:51	13:27:45.1	25:10:44	300	90	3.0	#64f Cluster I	4	
0072.COMP	5	2:51	13:27:45.1	25:10:44	300	90	3.0	#64f Cluster I	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0073.sn2001ck	1200	2:51	14:37:50.0	+30:29:02	300	80	3.0	#2 SN Observat	2	
0074.COMP	10	2:51	14:37:50.0	+30:29:02	300	80	3.0	#2 SN Observat	2	
0075.BDp332642	60	2:51	15:50:03	33:05:49	300	89	3.0	#56 Spectropho	2	
0076.BDp332642	60	2:51	15:50:03	33:05:49	300	89	3.0	#56 Spectropho	2	
0077.COMP	10	2:51	15:50:03	33:05:49	300	89	3.0	#56 Spectropho	2	
0078.id2792	360	2:51	19:59:03.1	35:14:09	300	90	3.0	#115 PMS NGC68	4	
0079.id1661	420	2:51	20:06:18.8	35:48:05	300	90	3.0	#115 PMS NGC68	4	ignore brighter star in slit to W
0080.COMP	5	2:51	20:06:18.8	35:48:05	300	90	3.0	#115 PMS NGC68	4	
0081.id2243	600	2:51	20:05:08.9	35:55:58	300	90	3.0	#115 PMS NGC68	4	
0082.id1911	420	2:51	20:05:52.5	35:54:34	300	90	3.0	#115 PMS NGC68	4	
0083.COMP	5	2:51	20:05:52.5	35:54:34	300	90	3.0	#115 PMS NGC68	4	
0084.id2401	420	2:51	20:04:35.6	35:56:17	300	90	3.0	#115 PMS NGC68	4	
0085.id2038	480	2:51	20:05:34.4	35:37:00	300	90	3.0	#115 PMS NGC68	4	
0086.COMP	5	2:51	20:05:34.4	35:37:00	300	90	3.0	#115 PMS NGC68	4	
0087.id2056	540	2:51	20:05:32.1	35:49:31	300	90	3.0	#115 PMS NGC68	4	
0088.id1548	600	2:51	20:06:32.8	35:45:31	300	90	3.0	#115 PMS NGC68	4	
0089.COMP	5	2:51	20:06:32.8	35:45:31	300	90	3.0	#115 PMS NGC68	4	
0090.id2503	540	2:51	20:04:16.9	35:35:57	300	90	3.0	#115 PMS NGC68	4	
0091.id1008	540	2:51	20:07:33.6	35:37:22	300	90	3.0	#115 PMS NGC68	4	
0092.COMP	5	2:51	20:07:33.6	35:37:22	300	90	3.0	#115 PMS NGC68	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0093.id2628	540	2:51	20:00:02.8	35:11:36	300	90	3.0	#115 PMS NGC68	4	
0094.id2049	540	2:51	20:05:33.1	35:42:56	300	90	3.0	#115 PMS NGC68	4	
0095.COMP	5	2:51	20:05:33.1	35:42:56	300	90	3.0	#115 PMS NGC68	4	
0096.id1502	600	2:51	20:06:41.3	35:52:52	300	90	3.0	#115 PMS NGC68	4	
0097.id1155	600	2:51	20:07:20.2	35:38:25	300	90	3.0	#115 PMS NGC68	4	
0098.COMP	5	2:51	20:07:20.2	35:38:25	300	90	3.0	#115 PMS NGC68	4	
0099.id1356	600	2:51	20:06:58.5	35:37:17	300	90	3.0	#115 PMS NGC68	4	
0100.id1552	600	2:51	20:06:31.7	35:36:10	300	90	3.0	#115 PMS NGC68	4	
0101.COMP	5	2:51	20:06:31.7	35:36:10	300	90	3.0	#115 PMS NGC68	4	
0102.id2333	600	2:51	20:04:48.9	35:49:31	300	90	3.0	#115 PMS NGC68	4	
0103.id1376	600	2:51	20:06:56.6	35:56:31	300	90	3.0	#115 PMS NGC68	4	
0104.COMP	5	2:51	20:06:56.6	35:56:31	300	90	3.0	#115 PMS NGC68	4	
0105.HD192281	5	2:51	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0106.HD192281	5	2:51	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0107.HD192281	5	2:51	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0108.COMP	5	2:51	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0109.BDp404032	60	2:51	20:06:40	41:06:15	300	90	3.0	#56 Spectropho	4	
0110.BDp404032	60	2:51	20:06:40	41:06:15	300	90	3.0	#56 Spectropho	4	
0111.COMP	5	2:51	20:06:40	41:06:15	300	90	3.0	#56 Spectropho	4	
0112.id1477	900	2:51	20:06:44.8	35:39:13	300	90	3.0	#115 PMS NGC68	4	



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0113.id1355	600	2:51	20:06:58.6	35:39:38	300	90	3.0	#115 PMS NGC68	4	
0114.COMP	5	2:51	20:06:58.6	35:39:38	300	90	3.0	#115 PMS NGC68	4	
0115.id2143	600	2:51	20:05:20.8	35:45:23	300	90	3.0	#115 PMS NGC68	4	a few rogue clouds forming
0116.id1578	600	2:51	20:06:28.1	35:46:51	300	90	3.0	#115 PMS NGC68	4	
0117.COMP	5	2:51	20:06:28.1	35:46:51	300	90	3.0	#115 PMS NGC68	4	
0118.id2511	660	2:51	20:04:14.9	35:40:18	300	90	3.0	#115 PMS NGC68	4	
0119.id2158	660	2:51	20:05:18.8	35:44:49	300	90	3.0	#115 PMS NGC68	4	
0120.COMP	5	2:51	20:05:18.8	35:44:49	300	90	3.0	#115 PMS NGC68	4	
0121.sn2001cy	1200	2:51	22:09:27.7	+40:59:16	300	15	3.0	#2 SN Observat	2	
0122.COMP	10	2:51	22:09:27.7	+40:59:16	300	15	3.0	#2 SN Observat	2	
0123.BDp284211	90	2:51	21:48:57.1	28:37:48	300	55	3.0	#56 Spectropho	2	
0124.BDp284211	90	2:51	21:48:57.1	28:37:48	300	55	3.0	#56 Spectropho	2	
0125.COMP	10	2:51	21:48:57.1	28:37:48	300	55	3.0	#56 Spectropho	2	
0126.snnngc7780	600	2:51	23:53:32.7	+08:07:02	300	0	3.0	#2 SN Observat	2	
0127.COMP	10	2:51	23:53:32.7	+08:07:02	300	0	3.0	#2 SN Observat	2	
0128.Akn564	240	2:51	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0129.Akn564	240	2:51	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0130.COMP	10	2:51	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0131.id1878	660	2:51	20:05:55.4	35:46:41	300	90	3.0	#115 PMS NGC68	4	
0132.id1543	720	2:51	20:06:33.3	35:37:37	300	90	3.0	#115 PMS NGC68	4	more clouds



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0133.COMP	5	2:51	20:06:33.3	35:37:37	300	90	3.0	#115 PMS NGC68	4	
0134.ZAnd	2	2:51	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0135.ZAnd	90	2:51	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0136.COMP	5	2:51	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0137-0146.BIAS	0	11:23	23:33:40	48:49:06	300	90	3.0	#6 AGN Monitor	4	
0147-0156.FLAT	8	11:26	23:33:40	48:49:06	300	90	3.0	#6 AGN Monitor	4	
0157-0166.BIAS	0	11:28	23:33:40	48:49:06	300	90	3.0	#6 AGN Monitor	2	
0167-0176.FLAT	16	11:34	23:33:40	48:49:06	300	90	3.0	#6 AGN Monitor	2	
0177-0181.DARK	900	12:44	00:53:03.1	31:30:11	300	90	3.0	#6 AGN Monitor	4	
0182.DARK	900	12:44	01:08:13.0	31:30:12	300	90	3.0	#6 AGN Monitor	4	
0183-0184.DARK	900	13:29	01:38:32.9	31:30:13	300	90	3.0	#6 AGN Monitor	4	
0185.DARK	900	13:29	01:53:42.8	31:30:14	300	90	3.0	#6 AGN Monitor	4	
0186.DARK	900	13:29	02:08:51.7	31:30:15	300	90	3.0	#6 AGN Monitor	4	