



## 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
0001-0007.BIAS	0	0:09	07:33:19.9	+31:30:21	300	90	3.0	#57 Velocity S	4	
0008-0010.BIAS	0	0:10	07:33:37.8	+31:30:22	300	90	3.0	#57 Velocity S	4	
0011-0016.FLAT	8	0:12	07:35:43.2	+31:30:22	300	90	3.0	#57 Velocity S	4	
0017-0020.FLAT	8	0:13	07:37:01.8	+31:30:23	300	90	3.0	#57 Velocity S	4	
0021-0025.BIAS	0	0:14	07:38:10.7	+31:30:23	300	90	3.0	#57 Velocity S	2	
0026-0030.BIAS	0	0:15	07:39:15.6	+31:30:24	300	90	3.0	#57 Velocity S	2	
0031-0032.FLAT	16	0:16	07:40:21.3	+31:30:24	300	90	3.0	#57 Velocity S	2	
0033-0037.FLAT	16	0:19	07:42:53.1	+31:30:25	300	90	3.0	#57 Velocity S	2	
0038-0042.FLAT	16	0:21	07:45:24.9	+31:30:26	300	90	3.0	#57 Velocity S	2	
0043-0047.FLAT	16	0:24	07:47:56.6	+31:30:27	300	90	3.0	#57 Velocity S	2	
0048-0051.FLAT	16	0:26	07:49:58.0	+31:30:28	300	90	3.0	#57 Velocity S	2	
0052.DARK	900	0:28	08:07:06.3	+31:30:35	300	90	3.0	#57 Velocity S	4	
0053.DARK	900	0:43	08:22:18.0	+31:30:41	300	90	3.0	#57 Velocity S	4	
0054.DARK	900	0:58	08:37:32.4	+31:30:47	300	90	3.0	#57 Velocity S	4	
0055.DARK	900	1:13	08:52:43.8	+31:30:52	300	90	3.0	#57 Velocity S	4	
0056.DARK	900	1:29	09:07:58.5	+31:30:58	300	90	3.0	#57 Velocity S	4	
0057.DARK	900	1:44	09:23:31.5	+31:31:03	300	90	3.0	#57 Velocity S	2	
0058.DARK	900	2:00	09:39:47.7	+31:31:08	300	90	3.0	#57 Velocity S	2	
0059-0063.sky	10	2:35	9:40:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0064.COMP	10	2:38	9:40:00	32:00:00	300	90	3.0	#57 Velocity S	2	



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0079.HD84937	5	3:06	09:48:54.8	13:45:13	300	14	3.0	#56 Spectropho	2	
0080.HD84937	5	3:07	09:48:54.8	13:45:13	300	14	3.0	#56 Spectropho	2	
0081.HD84937	5	3:08	09:48:54.8	13:45:13	300	14	3.0	#56 Spectropho	2	
0082.N3377	3	3:16	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0083.N3377	180	3:17	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0084.MRK421	300	3:26	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0085.COMP	10	3:31	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0086.HD84937	10	3:40	09:48:54.8	13:45:13	300	40	3.0	#56 Spectropho	2	
0087.HD84937	10	3:41	09:48:54.8	13:45:13	300	40	3.0	#56 Spectropho	2	
0088.HD84937	10	3:41	09:48:54.8	13:45:13	300	40	3.0	#56 Spectropho	2	
0089.HD84937	10	3:42	09:48:54.8	13:45:13	300	40	3.0	#56 Spectropho	2	
0090.COMP	10	3:42	09:48:54.8	13:45:13	300	40	3.0	#56 Spectropho	2	
0091.N3377	180	3:46	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0092.COMP	10	3:50	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0093.Feige34	120	3:55	10:39:36.8	43:06:10	300	-36	3.0	#56 Spectropho	2	
0094.Feige34	120	3:57	10:39:36.8	43:06:10	300	-36	3.0	#56 Spectropho	2	
0095.COMP	10	4:00	10:39:36.8	43:06:10	300	-36	3.0	#56 Spectropho	2	
0096.SN2005BF	1200	4:19	10:23:57.2	-03:11:28	300	24	3.0	#56 Spectropho	2	
0097.COMP	10	4:40	10:23:57.2	-03:11:28	300	24	3.0	#56 Spectropho	2	
0098.2M11022459-0642073	300	4:54	11:02:24.5	-06:42:7	300	90	3.0	#141 Mapping t	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0099.COMP	5	5:02	11:02:24.5	-06:42:7	300	90	3.0	#141 Mapping t	2	
0100.2M11003642-0856378	300	5:12	11:00:36.4	-08:56:37	300	90	3.0	#141 Mapping t	2	
0101.COMP	10	5:19	11:00:36.4	-08:56:37	300	90	3.0	#141 Mapping t	2	
0102.sn2004gt	1200	5:35	12:01:50.3	-18:52:12	300	14	3.0	#2 SN Observat	2	
0103.COMP	10	5:57	12:01:50.3	-18:52:12	300	14	3.0	#2 SN Observat	2	
0104.1913_18	900	6:09	14:26:51.2	16:40:33	300	90	3.0	#64 Cluster an	2	
0105.COMP	10	6:25	14:26:51.2	16:40:33	300	90	3.0	#64 Cluster an	2	
0106.sn2005by	1500	6:40	13:45:46.9	+22:05:46	300	20	3.0	#2 SN Observat	2	
0107.COMP	10	7:06	13:45:46.9	+22:05:46	300	20	3.0	#2 SN Observat	2	
0108.sn2005by	1500	7:09	13:45:46.9	+22:05:46	300	20	3.0	#2 SN Observat	2	
0109.COMP	10	7:35	13:45:46.9	+22:05:46	300	20	3.0	#2 SN Observat	2	
0110.1991_11	600	7:42	14:56:17.1	18:40:21	300	90	3.0	#64 Cluster an	2	
0111.COMP	10	7:53	14:56:17.1	18:40:21	300	90	3.0	#64 Cluster an	2	
0112.145142+10170	720	7:58	14:54:01.9	+10:04:51	300	90	3.0	#84f Updated Z	4	
0113.COMP	5	8:11	14:54:01.9	+10:04:51	300	90	3.0	#84f Updated Z	4	
0114.150248-01510	900	8:16	15:05:21.1	-02:02:05	300	90	3.0	#84f Updated Z	4	
0115.COMP	5	8:31	15:05:21.1	-02:02:05	300	90	3.0	#84f Updated Z	4	
0116.152242-01390	900	8:36	15:25:16.4	-01:49:11	300	90	3.0	#84f Updated Z	4	
0117.COMP	5	8:52	15:25:16.4	-01:49:11	300	90	3.0	#84f Updated Z	4	
0118.2022_18	480	8:58	15:05:15.7	28:36:56	300	90	3.0	#64 Cluster an	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0119.COMP	10	9:09	15:05:15.7	28:36:56	300	90	3.0	#64 Cluster an	2	
0120.NGC6109	1200	9:23	16:17:40.6	+35:00:15	300	-62	3.0	#151 FR I_II d	2	
0121.COMP	10	9:43	16:17:40.6	+35:00:15	300	-62	3.0	#151 FR I_II d	2	
0122.2M17180477+2104359	300	9:49	17:18:4.7	+21:04:35	300	90	3.0	#141 Mapping t	2	
0123.COMP	10	9:54	17:18:4.7	+21:04:35	300	90	3.0	#141 Mapping t	2	
0124.2M17212429+2453578	300	10:03	17:21:24.2	+24:53:57	300	90	3.0	#141 Mapping t	2	
0125.COMP	10	10:09	17:21:24.2	+24:53:57	300	90	3.0	#141 Mapping t	2	
0126.2M17253976+2157185	420	10:14	17:25:39.7	+21:57:18	300	90	3.0	#141 Mapping t	2	
0127.COMP	10	10:22	17:25:39.7	+21:57:18	300	90	3.0	#141 Mapping t	2	
0128.2M17433689+3304549	420	10:36	17:43:36.8	+33:04:54	300	90	3.0	#141 Mapping t	2	
0129.COMP	10	10:44	17:43:36.8	+33:04:54	300	90	3.0	#141 Mapping t	2	
0130.2M17552000+2525500	300	10:49	17:55:20.0	+25:25:50	300	90	3.0	#141 Mapping t	2	
0131.COMP	10	10:55	17:55:20.0	+25:25:50	300	90	3.0	#141 Mapping t	2	
0132.2M18074026+2216239	300	11:00	18:07:40.2	+22:16:23	300	90	3.0	#141 Mapping t	2	
0133.COMP	10	11:05	18:07:40.2	+22:16:23	300	90	3.0	#141 Mapping t	2	
0134.2M18154070+1030417	420	11:09	18:15:40.7	+10:30:41	300	90	3.0	#141 Mapping t	2	
0135.COMP	10	11:17	18:15:40.7	+10:30:41	300	90	3.0	#141 Mapping t	2	
0136-0145.BIAS	0	11:22	18:15:40.7	+10:30:41	300	90	3.0	#56 Spectropho	4	
0146-0155.FLAT	8	11:26	18:15:40.7	+10:30:41	300	90	3.0	#56 Spectropho	4	
0156-0165.BIAS	0	11:28	18:15:40.7	+10:30:41	300	90	3.0	#56 Spectropho	2	



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0166-0186.FLAT	16	11:38	18:15:40.7	+10:30:41	300	90	3.0	#56 Spectropho	2	
0187-0196.BIAS	0	11:58	19:23:36.6	+31:29:38	300	90	3.0	#56 Spectropho	4	
0197.FLAT	8	11:58	19:23:58.0	+31:29:38	300	90	3.0	#56 Spectropho	4	
0198-0204.FLAT	8	12:00	19:26:21.1	+31:29:37	300	90	3.0	#56 Spectropho	4	
0205-0206.FLAT	8	12:01	19:27:00.3	+31:29:36	300	90	3.0	#56 Spectropho	4	
0207-0214.BIAS	0	12:03	19:28:48.1	+31:29:36	300	90	3.0	#56 Spectropho	2	
0215-0216.BIAS	0	12:03	19:29:10.4	+31:29:35	300	90	3.0	#56 Spectropho	2	
0217-0219.FLAT	16	12:04	19:30:49.9	+31:29:35	300	90	3.0	#56 Spectropho	2	
0220-0224.FLAT	16	12:07	19:33:21.4	+31:29:34	300	90	3.0	#56 Spectropho	2	
0225-0229.FLAT	16	12:09	19:35:53.3	+31:29:33	300	90	3.0	#56 Spectropho	2	
0230-0234.FLAT	16	12:12	19:38:21.5	+31:29:32	300	90	3.0	#56 Spectropho	2	
0235-0237.FLAT	16	12:14	19:39:52.4	+31:29:31	300	90	3.0	#56 Spectropho	2	
0238.DARK	900	12:17	19:58:10.4	+31:29:23	300	90	3.0	#56 Spectropho	4	
0239.DARK	900	12:32	20:13:24.8	+31:29:17	300	90	3.0	#56 Spectropho	4	
0240.DARK	900	12:47	20:28:36.0	+31:29:12	300	90	3.0	#56 Spectropho	4	
0241.DARK	900	13:03	20:43:50.8	+31:29:06	300	90	3.0	#56 Spectropho	4	
0242.DARK	900	13:18	20:59:01.7	+31:29:01	300	90	3.0	#56 Spectropho	4	
0243.DARK	900	13:33	21:14:16.3	+31:28:55	300	90	3.0	#56 Spectropho	2	
0244.DARK	900	13:48	21:29:32.0	+31:28:50	300	90	3.0	#56 Spectropho	2	