



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG

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Coll. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	0:39	18:14:33.4	+31:29:38	300	90	3.0	#160 2MACS	2	
0002-0005.BIAS	0	0:44	18:19:32.6	+31:29:36	300	90	3.0	#160 2MACS	4	
0006-0011.BIAS	0	0:45	18:20:15.9	+31:29:35	300	90	3.0	#160 2MACS	4	
0012-0014.FLAT	8	0:46	18:21:16.8	+31:29:35	300	90	3.0	#160 2MACS	4	
0015-0020.FLAT	8	0:48	18:23:18.4	+31:29:34	300	90	3.0	#160 2MACS	4	
0021.FLAT	8	0:48	18:23:39.8	+31:29:33	300	90	3.0	#160 2MACS	4	
0022-0029.BIAS	0	0:50	18:25:24.5	+31:29:33	300	90	3.0	#160 2MACS	2	
0030-0031.BIAS	0	0:51	18:25:50.4	+31:29:32	300	90	3.0	#160 2MACS	2	
0032-0034.FLAT	16	0:52	18:27:30.1	+31:29:32	300	90	3.0	#160 2MACS	2	
0035-0038.FLAT	16	0:54	18:29:31.5	+31:29:31	300	90	3.0	#160 2MACS	2	
0039-0041.FLAT	16	0:55	18:31:02.6	+31:29:30	300	90	3.0	#160 2MACS	2	
0042-0045.FLAT	16	0:57	18:33:04.0	+31:29:29	300	90	3.0	#160 2MACS	2	
0046-0049.FLAT	16	0:59	18:35:05.3	+31:29:28	300	90	3.0	#160 2MACS	2	
0050-0052.FLAT	16	1:01	18:36:36.5	+31:29:27	300	90	3.0	#160 2MACS	2	
0053.COMP	10	1:02	18:37:28.6	+31:29:27	300	90	3.0	#160 2MACS	2	
0054-0056.sky	3	1:21	18:55:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.COMP.ms	5	1:10	2:10:00	32:00:00	300	90	3.0	#57 Velocity S	1	
0057-0058.sky	3	1:21	18:55:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0059.sky	5	1:22	18:55:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0060.COMP	5	1:22	18:55:00	32:00:00	300	90	3.0	#57 Velocity S	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0061.2M18001122+4839137	600	1:59	18:00:11.2	+48:39:13	300	90	3.0	#141 Mapping t	4	
0062.COMP	5	2:10	18:00:11.2	+48:39:13	300	90	3.0	#141 Mapping t	4	
0063.2M18003408+4216005	480	2:14	18:00:34.0	+42:16:00	300	70	3.0	#141 Mapping t	4	
0064.COMP	5	2:22	18:00:34.0	+42:16:00	300	70	3.0	#141 Mapping t	4	
0065.2M18040986+2941187	480	2:27	18:04:09.8	+29:41:18	300	90	3.0	#141 Mapping t	4	
0066.COMP	5	2:35	18:04:09.8	+29:41:18	300	90	3.0	#141 Mapping t	4	
0067.2M18055646+2629282	360	2:37	18:05:56.4	+26:29:28	300	90	3.0	#141 Mapping t	4	
0068.COMP	5	2:43	18:05:56.4	+26:29:28	300	90	3.0	#141 Mapping t	4	
0069.2M18064489+1743135	480	2:44	18:06:44.8	+17:43:13	300	90	3.0	#141 Mapping t	4	
0070.COMP	5	2:53	18:06:44.8	+17:43:13	300	90	3.0	#141 Mapping t	4	
0071.2M18070684+2608495	480	3:02	18:07:06.8	+26:08:49	300	90	3.0	#141 Mapping t	4	
0072.COMP	5	3:11	18:07:06.8	+26:08:49	300	90	3.0	#141 Mapping t	4	
0073.2M18095626+2232413	600	3:13	18:09:56.2	+22:32:41	300	90	3.0	#141 Mapping t	4	
0074.COMP	5	3:23	18:09:56.2	+22:32:41	300	90	3.0	#141 Mapping t	4	
0075.2M18095844+2159203	600	3:25	18:09:58.4	+21:59:20	300	90	3.0	#141 Mapping t	2	
0076.COMP	10	3:35	18:09:58.4	+21:59:20	300	90	3.0	#141 Mapping t	2	
0077.2M18114847+2550276	480	3:37	18:11:48.4	+25:50:27	300	90	3.0	#141 Mapping t	2	
0078.COMP	10	3:49	18:11:48.4	+25:50:27	300	90	3.0	#141 Mapping t	2	
0079.6X576742	900	3:52	19:53:14.8	+50:07:04	300	90	3.0	#141 Mapping t	4	
0080.COMP	10	4:09	19:53:14.8	+50:07:04	300	90	3.0	#141 Mapping t	4	



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0081.6X576821	900	4:14	19:53:30.8	+50:06:14	300	90	3.0	#141 Mapping t	2	
0082.COMP	10	4:30	19:53:30.8	+50:06:14	300	90	3.0	#141 Mapping t	2	
0083.BDp284211	90	4:32	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0084.BDp284211	90	4:34	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0085.BDp284211	90	4:35	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0086.COMP	10	4:37	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0087.BDp174708	45	4:41	22:11:31.4	18:05:33	300	0	3.0	#56 Spectropho	2	
0088.BDp174708	45	4:42	22:11:31.4	18:05:33	300	0	3.0	#56 Spectropho	2	
0089.BDp174708	45	4:43	22:11:31.4	18:05:33	300	0	3.0	#56 Spectropho	2	
0090.COMP	10	4:44	22:11:31.4	18:05:33	300	0	3.0	#56 Spectropho	2	
0091.XS01694B7_027	120	4:48	22:17:42.6	+00:11:59	300	90	3.0	#129 Bright Ch	2	
0092.COMP	10	4:51	22:17:42.6	+00:11:59	300	90	3.0	#129 Bright Ch	2	
0093.N7331	120	4:55	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0094.COMP	10	4:57	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0095.MRK509	180	5:02	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	4	
0096.MRK509	180	5:05	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	4	
0097.COMP	5	5:09	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	4	
0098.N7469	120	5:12	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	4	
0099.N7469	120	5:14	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	4	
0100.COMP	5	5:17	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	4	



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0101.COMP	5	5:39	23:30:00	32:00:00	600	0	2.0	#141 Mapping t	4	
0102.COMP	5	5:44	23:30:00	32:00:00	600	0	2.0	#141 Mapping t	4	
0103.hs3364	240	5:49	1:21:07.9	16:55:52	600	90	2.0	#122 Halo Star	4	
0104.COMP	10	5:54	1:21:07.9	16:55:52	600	90	2.0	#122 Halo Star	4	
0105-0114.FLAT	24	6:00	23:30:00	32:00:00	600	90	2.0	#141 Mapping t	4	
0115.COMP	10	6:02	23:30:00	32:00:00	600	90	2.0	#141 Mapping t	4	
0116.hs3785	400	6:03	23:59:21.9	-2:49:36	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	6:10	23:59:21.9	-2:49:36	600	90	2.0	#122 Halo Star	4	
0118.hs3786	200	6:11	0:01:29.1	-3:23:01	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	6:15	0:01:29.1	-3:23:01	600	90	2.0	#122 Halo Star	4	
0120.hs3787	280	6:18	0:03:20.4	-3:54:09	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	6:23	0:03:20.4	-3:54:09	600	90	2.0	#122 Halo Star	4	
0122.hs3788	420	6:25	0:07:16.4	-7:24:00	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	6:33	0:07:16.4	-7:24:00	600	90	2.0	#122 Halo Star	4	
0124.hs3789	320	6:34	0:08:08.4	-8:28:36	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	6:40	0:08:08.4	-8:28:36	600	90	2.0	#122 Halo Star	4	
0126.hs3790	240	6:42	0:08:17.5	-9:13:29	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	6:46	0:08:17.5	-9:13:29	600	90	2.0	#122 Halo Star	4	
0128.hs3791	420	6:47	0:08:53.6	-2:45:28	600	90	2.0	#122 Halo Star	4	
0129.COMP	10	6:55	0:08:53.6	-2:45:28	600	90	2.0	#122 Halo Star	4	



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0130.hs3792	300	6:57	0:12:14.1	-5:08:11	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	7:02	0:15:04.1	-6:09:18	600	90	2.0	#122 Halo Star	4	
0132.hs3793	420	7:04	0:15:04.1	-6:09:18	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	7:11	0:15:04.1	-6:09:18	600	90	2.0	#122 Halo Star	4	
0134.Feige110	120	7:14	23:19:58.3	-05:09:55	600	90	2.0	#56 Spectropho	4	
0135.Feige110	120	7:17	23:19:58.3	-05:09:55	600	90	2.0	#56 Spectropho	4	
0136.COMP	10	7:19	23:19:58.3	-05:09:55	600	90	2.0	#56 Spectropho	4	
0137.hs3712	360	7:22	2:44:31.0	4:34:55	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	7:28	2:44:31.0	4:34:55	600	90	2.0	#122 Halo Star	4	
0139.hs3713	180	7:30	2:48:31.1	3:47:39	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	7:33	2:48:31.1	3:47:39	600	90	2.0	#122 Halo Star	4	
0141.hs3714	180	7:35	2:55:06.0	3:30:53	600	90	2.0	#122 Halo Star	4	
0142.COMP	10	7:38	2:55:06.0	3:30:53	600	90	2.0	#122 Halo Star	4	
0143.hs3715	420	7:40	2:56:34.8	2:17:22	600	90	2.0	#122 Halo Star	4	
0144.COMP	10	7:47	2:56:34.8	2:17:22	600	90	2.0	#122 Halo Star	4	
0145.hs3718	360	7:56	3:00:58.8	4:02:16	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	8:02	3:00:58.8	4:02:16	600	90	2.0	#122 Halo Star	4	
0147.hs3719	200	8:03	3:02:12.0	-1:56:08	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	8:07	3:02:12.0	-1:56:08	600	90	2.0	#122 Halo Star	4	
0149.hs3720	320	8:08	3:03:59.3	2:33:52	600	90	2.0	#122 Halo Star	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0150.COMP	10	8:14	3:03:59.3	2:33:52	600	90	2.0	#122 Halo Star	4	
0151.hs3721	420	8:17	3:04:24.3	3:45:30	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	8:24	3:04:24.3	3:45:30	600	90	2.0	#122 Halo Star	4	
0153.hs3722	360	8:25	3:05:17.3	3:27:13	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	8:31	3:05:17.3	3:27:13	600	90	2.0	#122 Halo Star	4	
0155.hs3723	300	8:33	3:08:59.9	3:16:08	600	90	2.0	#122 Halo Star	4	
0156.COMP	10	8:39	3:08:59.9	3:16:08	600	90	2.0	#122 Halo Star	4	
0157.hs3724	420	8:41	3:10:51.9	2:47:17	600	90	2.0	#122 Halo Star	4	
0158.COMP	10	8:48	3:10:51.9	2:47:17	600	90	2.0	#122 Halo Star	4	
0159.COMP	5	8:56	2:30:00	32:00:00	300	7	3.0	#122 Halo Star	4	
0160.COMP	5	8:58	2:30:00	32:00:00	300	7	3.0	#122 Halo Star	4	
0161.sn2005M006	1800	9:03	02:30:27.2	-09:16:10	300	7	3.0	#2 SN Observat	2	partly cloudy from here on
0162.COMP	10	9:33	02:30:27.2	-09:16:10	300	7	3.0	#2 SN Observat	2	
0163.sn2005ek	1800	9:54	03:05:48.9	+36:46:10	300	-18	3.0	#2 SN Observat	2	
0164.COMP	10	10:24	03:05:48.9	+36:46:10	300	-18	3.0	#2 SN Observat	2	
0165.2M03004346+4430191	600	10:32	03:00:43.4	+44:30:19	300	90	3.0	#141 Mapping t	4	
0166.COMP	5	10:42	03:00:43.4	+44:30:19	300	90	3.0	#141 Mapping t	4	
0167.2M03024931+4437111	900	10:45	03:02:49.3	+44:37:11	300	90	3.0	#141 Mapping t	4	extended cloud coverage during exposure
0168.COMP	5	11:00	03:02:49.3	+44:37:11	300	90	3.0	#141 Mapping t	4	
0169.2M03044977+4126103	600	11:02	03:04:49.7	+41:26:10	300	90	3.0	#141 Mapping t	4	



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0170.COMP	5	11:13	03:04:49.7	+41:26:10	300	90	3.0	#141 Mapping t	4	
0171.sn2005eo	1800	11:19	7:59:13.9	+32:55:19	300	46	3.0	#2 SN Observat	2	
0172.COMP	10	11:50	7:59:13.9	+32:55:19	300	46	3.0	#2 SN Observat	2	2 SNe on slit: 2005eo is NE of 2005en
0173.cvso-243564	400	11:55	05:36:13.2	-04:14:32	300	90	3.0	#112 Orion PMS	4	
0174.COMP	5	12:02	05:36:13.2	-04:14:32	300	90	3.0	#112 Orion PMS	4	
0175.cvso-267065	420	12:04	05:36:26.1	-03:13:55	300	90	3.0	#112 Orion PMS	4	
0176.COMP	5	12:11	05:36:26.1	-03:13:55	300	90	3.0	#112 Orion PMS	4	
0177.cvso-267899	420	12:13	05:37:17.6	-03:31:32	300	90	3.0	#112 Orion PMS	2	target at row 80
0178.COMP	5	12:21	05:37:17.6	-03:31:32	300	90	3.0	#112 Orion PMS	2	
0179.cvso-246483	300	12:25	05:37:24.2	-02:19:07	300	90	3.0	#112 Orion PMS	4	Exposure cut short because of noise
0180.COMP	5	12:30	05:37:24.2	-02:19:07	300	90	3.0	#112 Orion PMS	4	
0181-0190.BIAS	0	12:35	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	4	
0191-0200.FLAT	8	12:39	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	4	
0201-0210.BIAS	0	12:41	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0211-0231.FLAT	16	12:51	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0232.COMP	10	13:01	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0233-0242.DARK	900	15:19	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	4	
0243-0252.DARK	900	17:51	6:11:00	32:00:00	300	90	3.0	#141 Mapping t	2	