



## 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	Bir	Comments
0001-0005.DARK	900	0:38	00:39:18.0	31:29:44	300	90	3.0	#57 velocity s	4	
0006-0015.BIAS	0	0:55	00:41:24.0	31:29:44	300	90	3.0	#57 velocity s	4	
0016-0025.FLAT	6	0:58	00:44:00.0	31:29:44	300	90	3.0	#57 velocity s	4	
0026-0035.BIAS	0	1:04	00:50:00.0	31:29:44	300	90	3.0	#57 velocity s	2	
0036-0045.FLAT	12	1:08	00:54:33.0	31:29:44	300	90	3.0	#57 velocity s	2	
0046.Feige25	120	1:08	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	4	
0047.COMP	5	1:08	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	4	
0048.Feige25	120	1:08	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	2	
0049.COMP	12	1:08	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	2	
0050.Feige25	120	1:08	02:36:00	05:15:16	300	-20	3.0	#56 Spectropho	2	
0051.COMP	12	1:08	02:36:00	05:15:16	300	-20	3.0	#56 Spectropho	2	
0052.M31	60	1:08	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0053.COMP	12	1:08	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0054.2MJ0309362p713827	900	1:08	03:09:36.2	+71:38:27	300	90	3.0	#68 2MASS Reds	2	
0055.COMP	12	1:08	03:09:36.2	+71:38:27	300	90	3.0	#68 2MASS Reds	2	
0056.2MJ0309422p405334	900	1:08	03:09:42.2	+40:53:34	300	90	3.0	#68 2MASS Reds	2	row=81, left in slit
0057.COMP	12	1:08	03:09:42.2	+40:53:34	300	90	3.0	#68 2MASS Reds	2	
0058.2MJ0309424p462508	1200	1:08	03:09:42.4	+46:25:08	300	90	3.0	#68 2MASS Reds	2	
0059.COMP	12	1:08	03:09:42.4	+46:25:08	300	90	3.0	#68 2MASS Reds	2	
0060.2MJ0312195p675829	1200	1:08	03:12:19.5	+67:58:29	300	90	3.0	#68 2MASS Reds	2	



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0061.COMP	12	1:08	03:12:19.5	+67:58:29	300	90	3.0	#68 2MASS Reds	2	
0062.2MJ0423586p093703	300	1:08	04:23:58.6	+09:37:03	300	90	3.0	#68 2MASS Reds	2	
0063.COMP	12	1:08	04:23:58.6	+09:37:03	300	90	3.0	#68 2MASS Reds	2	
0064.2MJ0424029p373106	1200	1:08	04:24:02.9	+37:31:06	300	90	3.0	#68 2MASS Reds	2	
0065.COMP	12	1:08	04:24:02.9	+37:31:06	300	90	3.0	#68 2MASS Reds	2	
0066.2MJ0424063p364749	1200	1:08	04:24:06.3	+36:47:49	300	90	3.0	#68 2MASS Reds	2	
0067.COMP	12	1:08	04:24:06.3	+36:47:49	300	90	3.0	#68 2MASS Reds	2	
0068.2MJ0425034p571735	1200	1:08	04:25:03.4	+57:17:35	300	90	3.0	#68 2MASS Reds	2	
0069.COMP	12	1:08	04:25:03.4	+57:17:35	300	90	3.0	#68 2MASS Reds	2	
0070.sn2001gc	1200	1:08	05:55:26.1	+51:54:34	300	90	3.0	#2 SN Observat	2	PA = 17 deg
0071.COMP	12	1:08	05:55:26.1	+51:54:34	300	17	3.0	#2 SN Observat	2	
0072.BGGem	300	1:08	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0073.COMP	12	1:08	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0074.BGGem	1200	1:08	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0075.COMP	12	1:08	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0076.2MJ0629092m133139	600	1:08	06:29:09.2	-13:31:39	300	90	3.0	#68 2MASS Reds	2	
0077.COMP	12	1:08	06:29:09.2	-13:31:39	300	90	3.0	#68 2MASS Reds	2	
0078.2MJ0717278p032002	450	1:08	07:17:27.8	+03:20:02	300	90	3.0	#68 2MASS Reds	2	
0079.COMP	12	1:08	07:17:27.8	+03:20:02	300	90	3.0	#68 2MASS Reds	2	
0080.2MJ0811583p043053	530	1:08	08:11:58.3	+04:30:53	300	90	3.0	#68 2MASS Reds	2	



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0081.COMP	12	1:08	08:11:58.3	+04:30:53	300	90	3.0	#68 2MASS Reds	2	
0082.2MJ0719180p042238	530	1:08	07:19:18.0	+04:22:38	300	90	3.0	#68 2MASS Reds	2	
0083.COMP	12	1:08	07:19:18.0	+04:22:38	300	90	3.0	#68 2MASS Reds	2	
0084.2MJ0712512p071503	650	1:08	07:12:51.2	+07:15:03	300	90	3.0	#68 2MASS Reds	2	
0085.COMP	12	1:08	07:12:51.2	+07:15:03	300	90	3.0	#68 2MASS Reds	2	
0086.2MJ0835181m021436	300	1:08	08:35:18.1	-02:14:36	300	90	3.0	#68 2MASS Reds	2	
0087.COMP	12	1:08	08:35:18.1	-02:14:36	300	90	3.0	#68 2MASS Reds	2	
0088.N3227	90	1:08	10:23:30.6	+19:51:54	300	-50	3.0	#6 AGN Monitor	2	
0089.N3227	90	1:08	10:23:30.6	+19:51:54	300	-50	3.0	#6 AGN Monitor	2	
0090.N3227	90	1:08	10:23:30.6	+19:51:54	300	-50	3.0	#6 AGN Monitor	2	
0091.COMP	12	1:08	10:23:30.6	+19:51:54	300	-50	3.0	#6 AGN Monitor	2	
0092.2MJ0846575m142552	300	1:08	08:46:57.5	-14:25:52	300	90	3.0	#68 2MASS Reds	2	
0093.COMP	12	1:08	08:46:57.5	-14:25:52	300	90	3.0	#68 2MASS Reds	2	
0094.MRK421	300	1:08	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421	2	
0095.MRK421	300	1:08	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421	2	
0096.MRK421	300	1:08	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421	2	
0097.COMP	12	1:08	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421	2	
0098.Feige34	90	1:08	10:36:41.2	43:21:50	300	54	3.0	#56 Spectropho	2	
0099.COMP	12	1:08	10:36:41.2	43:21:50	300	54	3.0	#56 Spectropho	2	
0100.2MJ0852306m115541	300	1:08	08:52:30.6	-11:55:41	300	90	3.0	#68 2MASS Reds	2	



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0101.COMP	12	1:08	08:52:30.6	-11:55:41	300	90	3.0	#68 2MASS Reds	2	
0102.2MJ0845094m110426	300	1:08	08:45:09.4	-11:04:26	300	90	3.0	#68 2MASS Reds	2	
0103.COMP	12	1:08	08:45:09.4	-11:04:26	300	90	3.0	#68 2MASS Reds	2	
0104.2MJ0859255m115036	400	1:08	08:59:25.5	-11:50:36	300	90	3.0	#68 2MASS Reds	2	
0105.COMP	12	1:08	08:59:25.5	-11:50:36	300	90	3.0	#68 2MASS Reds	2	
0106.2MJ0859445m124748	400	1:08	08:59:44.5	-12:47:48	300	90	3.0	#68 2MASS Reds	2	
0107.COMP	12	1:08	08:59:44.5	-12:47:48	300	90	3.0	#68 2MASS Reds	2	
0108.2MJ1105426m095500	600	1:08	11:05:42.6	-09:55:00	300	90	3.0	#68 2MASS Reds	2	
0109.COMP	12	1:08	11:05:42.6	-09:55:00	300	90	3.0	#68 2MASS Reds	2	
0110.2MJ1036031m065740	360	1:08	10:36:03.1	-06:57:40	300	90	3.0	#68 2MASS Reds	2	
0111.COMP	12	1:08	10:36:03.1	-06:57:40	300	90	3.0	#68 2MASS Reds	2	
0112.N4051	120	1:08	12:03:09.7	+44:31:53	300	43	3.0	#6 AGN Monitor	2	
0113.N4051	120	1:08	12:03:09.7	+44:31:53	300	43	3.0	#6 AGN Monitor	2	
0114.N4051	120	1:08	12:03:09.7	+44:31:53	300	43	3.0	#6 AGN Monitor	2	
0115.COMP	12	1:08	12:03:09.7	+44:31:53	300	43	3.0	#6 AGN Monitor	2	
0116.N4151	30	1:08	12:10:32.6	+39:24:21	300	56	3.0	#6 AGN Monitor	2	
0117.N4151	30	1:08	12:10:32.6	+39:24:21	300	56	3.0	#6 AGN Monitor	2	
0118.N4151	30	1:08	12:10:32.6	+39:24:21	300	56	3.0	#6 AGN Monitor	2	
0119.COMP	12	1:08	12:10:32.6	+39:24:21	300	56	3.0	#6 AGN Monitor	2	
0120.2MJ1130481m084910	600	1:08	11:30:48.1	-08:49:10	300	90	3.0	#68 2MASS Reds	2	



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0121.COMP	12	1:08	11:30:48.1	-08:49:10	300	90	3.0	#68 2MASS Reds	2	
0122.2MJ1146038m081615	1200	1:08	11:46:03.8	-08:16:15	300	90	3.0	#68 2MASS Reds	2	
0123.COMP	12	1:08	11:46:03.8	-08:16:15	300	90	3.0	#68 2MASS Reds	2	
0124.N5548	90	1:08	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	2	
0125.N5548	90	1:08	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	2	
0126.N5548	90	1:08	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	2	
0127.COMP	12	1:08	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	2	
0128.2MJ1255500m131917	300	1:08	12:55:50.0	-13:19:17	300	90	3.0	#68 2MASS Reds	2	
0129.COMP	12	1:08	12:55:50.0	-13:19:17	300	90	3.0	#68 2MASS Reds	2	
0130.2MJ1241508m071008	1200	1:08	12:41:50.8	-07:10:08	300	90	3.0	#68 2MASS Reds	2	
0131.COMP	12	1:08	12:41:50.8	-07:10:08	300	90	3.0	#68 2MASS Reds	2	
0132.HZ44	120	1:08	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0133.COMP	12	1:08	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0134-0143.BIAS	0	13:35	13:21:19.0	36:23:39	300	90	3.0	#68 2MASS Reds	4	
0144-0153.FLAT	6	13:38	13:21:19.0	36:23:39	300	90	3.0	#68 2MASS Reds	4	
0154-0163.BIAS	0	13:48	13:21:19.0	36:23:39	300	90	3.0	#68 2MASS Reds	2	
0164-0173.FLAT	12	13:52	13:21:19.0	36:23:39	300	90	3.0	#68 2MASS Reds	2	
0174-0183.DARK	900	16:11	13:21:19.0	36:23:39	300	90	3.0	#68 2MASS Reds	4	