



## 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	Bin	Comments
0001.DARK	900	0:52	19:49:46.0	31:29:57	300	90	3.0	#57 Velocity S	4	
0002.DARK	900	0:52	20:04:58.0	31:29:55	300	90	3.0	#57 Velocity S	4	
0003.DARK	900	0:52	20:20:10.0	31:29:53	300	90	3.0	#57 Velocity S	4	
0004-0013.BIAS	0	1:40	20:22:19.0	31:29:53	300	90	3.0	#57 Velocity S	4	
0014-0023.FLAT	6	1:43	20:25:33.0	31:29:53	300	90	3.0	#57 Velocity S	4	
0024-0031.BIAS	0	1:45	20:28:03.0	31:29:53	300	90	3.0	#57 Velocity S	2	
0032-0033.BIAS	0	1:46	20:28:37.0	31:29:52	300	90	3.0	#57 Velocity S	2	
0034-0043.FLAT	12	1:51	20:33:28.0	31:29:52	300	90	3.0	#57 Velocity S	2	
0044.BDp284211	40	1:51	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0045.BDp284211	40	1:51	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0046.COMP	5	1:51	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0047.BDp284211	40	1:51	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0048.BDp284211	40	1:51	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0049.COMP	12	1:51	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0050.BDp284211	40	1:51	21:48:57.1	28:37:48	300	106	3.0	#56 Spectropho	2	
0051.BDp284211	40	1:51	21:48:57.1	28:37:48	300	106	3.0	#56 Spectropho	2	
0052.COMP	12	1:51	21:48:57.1	28:37:48	300	106	3.0	#56 Spectropho	2	
0053.MRK509	180	1:51	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0054.MRK509	180	1:51	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0055.COMP	12	1:51	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	



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0056.Akn564	240	1:51	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0057.Akn564	240	1:51	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0058.COMP	12	1:51	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0059.N7469	210	1:51	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	row=80
0060.N7469	210	1:51	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0061.COMP	12	1:51	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0062.id1955	600	1:51	20:05:48.1	35:53:59	300	90	3.0	#115 PMS NGC68	2	row=83
0063.COMP	12	1:51	20:05:48.1	35:53:59	300	90	3.0	#115 PMS NGC68	2	
0064.id2334	540	1:51	20:04:48.7	35:56:46	300	90	3.0	#115 PMS NGC68	2	
0065.COMP	12	1:51	20:04:48.7	35:56:46	300	90	3.0	#115 PMS NGC68	2	
0066.id1044	480	1:51	20:07:30.7	35:46:14	300	90	3.0	#115 PMS NGC68	2	
0067.COMP	12	1:51	20:07:30.7	35:46:14	300	90	3.0	#115 PMS NGC68	2	
0068.id1313	300	1:51	20:07:03.4	35:44:59	300	90	3.0	#115 PMS NGC68	2	
0069.COMP	12	1:51	20:07:03.4	35:44:59	300	90	3.0	#115 PMS NGC68	2	
0070.id1496	360	1:51	20:06:42.4	35:53:36	300	90	3.0	#115 PMS NGC68	2	
0071.COMP	12	1:51	20:06:42.4	35:53:36	300	90	3.0	#115 PMS NGC68	2	
0072.id1766	420	1:51	20:06:06.3	35:56:13	300	90	3.0	#115 PMS NGC68	2	
0073.COMP	12	1:51	20:06:06.3	35:56:13	300	90	3.0	#115 PMS NGC68	2	
0074.id2364	360	1:51	20:04:42.8	35:43:45	300	90	3.0	#115 PMS NGC68	2	
0075.COMP	12	1:51	20:04:42.8	35:43:45	300	90	3.0	#115 PMS NGC68	2	



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0076.id2438	420	1:51	20:04:28.5	35:45:31	300	90	3.0	#115 PMS NGC68	2	
0077.COMP	12	1:51	20:04:28.5	35:45:31	300	90	3.0	#115 PMS NGC68	2	
0078.id2453	480	1:51	20:04:26.3	35:47:08	300	90	3.0	#115 PMS NGC68	2	
0079.COMP	12	1:51	20:04:26.3	35:47:08	300	90	3.0	#115 PMS NGC68	2	
0080.id2729	360	1:51	19:59:28.3	35:19:06	300	90	3.0	#115 PMS NGC68	2	
0081.COMP	12	1:51	19:59:28.3	35:19:06	300	90	3.0	#115 PMS NGC68	2	
0082.id2783	360	1:51	19:59:06.2	35:17:37	300	90	3.0	#115 PMS NGC68	2	
0083.COMP	12	1:51	19:59:06.2	35:17:37	300	90	3.0	#115 PMS NGC68	2	
0084.id1521	90	1:51	20:06:37.8	35:38:58	300	90	3.0	#115 PMS NGC68	2	
0085.COMP	12	1:51	20:06:37.8	35:38:58	300	90	3.0	#115 PMS NGC68	2	
0086.id1597	420	1:51	20:06:25.3	35:37:54	300	90	3.0	#115 PMS NGC68	2	row=82
0087.COMP	12	1:51	20:06:25.3	35:37:54	300	90	3.0	#115 PMS NGC68	2	
0088.id1630	480	1:51	20:06:22.7	35:36:17	300	90	3.0	#115 PMS NGC68	2	
0089.COMP	12	1:51	20:06:22.7	35:36:17	300	90	3.0	#115 PMS NGC68	2	
0090.id2184	480	1:51	20:05:15.3	35:36:39	300	90	3.0	#115 PMS NGC68	2	row=82
0091.COMP	12	1:51	20:05:15.3	35:36:39	300	90	3.0	#115 PMS NGC68	2	
0092.id2695	480	1:51	19:59:41.8	35:16:28	300	90	3.0	#115 PMS NGC68	2	
0093.COMP	12	1:51	19:59:41.8	35:16:28	300	90	3.0	#115 PMS NGC68	2	
0094.id2913	360	1:51	19:58:19.8	35:10:48	300	90	3.0	#115 PMS NGC68	2	
0095.COMP	12	1:51	19:58:19.8	35:10:48	300	90	3.0	#115 PMS NGC68	2	



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0096.id1257	480	1:51	20:07:09.3	35:50:50	300	90	3.0	#115 PMS NGC68	2	
0097.COMP	12	1:51	20:07:09.3	35:50:50	300	90	3.0	#115 PMS NGC68	2	
0098.id1268	480	1:51	20:07:07.1	35:41:38	300	90	3.0	#115 PMS NGC68	2	
0099.COMP	12	1:51	20:07:07.1	35:41:38	300	90	3.0	#115 PMS NGC68	2	
0100.ngcsh.3-479	600	1:51	21:54:17.2	62:41:34	300	90	3.0	#89 Ae/Be Star	2	
0101.COMP	12	1:51	21:54:17.2	62:41:34	300	90	3.0	#89 Ae/Be Star	2	
0102.ngcsh.2-803	540	1:51	21:54:52.4	62:32:23	300	90	3.0	#89 Ae/Be Star	2	
0103.COMP	12	1:51	21:54:52.4	62:32:23	300	90	3.0	#89 Ae/Be Star	2	
0104.ngcsh.3-791	660	1:51	21:54:56.2	62:44:42	300	90	3.0	#89 Ae/Be Star	2	
0105.COMP	12	1:51	21:54:56.2	62:44:42	300	90	3.0	#89 Ae/Be Star	2	
0106.ngcsh.3-872	660	1:51	21:53:52.9	62:45:25	300	90	3.0	#89 Ae/Be Star	2	
0107.COMP	12	1:51	21:53:52.9	62:45:25	300	90	3.0	#89 Ae/Be Star	2	
0108.ngcsh.4-218	780	1:51	21:53:32.5	62:38:23	300	90	3.0	#89 Ae/Be Star	2	
0109.COMP	12	1:51	21:53:32.5	62:38:23	300	90	3.0	#89 Ae/Be Star	2	
0110.ngcsh.2-604	720	1:51	21:55:09.8	62:30:20	300	90	3.0	#89 Ae/Be Star	2	
0111.COMP	12	1:51	21:55:09.8	62:30:20	300	90	3.0	#89 Ae/Be Star	2	
0112.sn2001fa	1200	1:51	01:48:22.2	+11:31:34	300	4	3.0	#2 SN Observat	2	
0113.COMP	12	1:51	01:48:22.2	+11:31:34	300	4	3.0	#2 SN Observat	2	
0114.a168_177	1200	1:51	01:18:33.7	1:26:25	300	90	3.0	#64 Cluster In	2	
0115.COMP	12	1:51	01:18:33.7	1:26:25	300	90	3.0	#64 Cluster In	2	



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0116.a168_179	720	1:51	01:17:25.8	-0:35:28	300	90	3.0	#64 Cluster In	2	
0117.COMP	12	1:51	01:17:25.8	-0:35:28	300	90	3.0	#64 Cluster In	2	
0118.a168_182	540	1:51	01:17:17.8	-0:25:07	300	90	3.0	#64 Cluster In	2	
0119.COMP	12	1:51	01:17:17.8	-0:25:07	300	90	3.0	#64 Cluster In	2	
0120.a168_184	600	1:51	01:23:09.6	1:31:12	300	90	3.0	#64 Cluster In	2	
0121.COMP	12	1:51	01:23:09.6	1:31:12	300	90	3.0	#64 Cluster In	2	
0122.a168_185	420	1:51	01:18:34.1	-0:13:42	300	90	3.0	#64 Cluster In	2	
0123.COMP	12	1:51	01:18:34.1	-0:13:42	300	90	3.0	#64 Cluster In	2	
0124.a168_186	480	1:51	01:12:51.9	1:52:42	300	90	3.0	#64 Cluster In	2	
0125.COMP	12	1:51	01:12:51.9	1:52:42	300	90	3.0	#64 Cluster In	2	
0126.a168_187	900	1:51	01:16:11.5	-0:18:59	300	90	3.0	#64 Cluster In	2	
0127.COMP	12	1:51	01:16:11.5	-0:18:59	300	90	3.0	#64 Cluster In	2	
0128.a168_190	780	1:51	01:18:12.9	-1:04:23	300	90	3.0	#64 Cluster In	2	
0129.COMP	12	1:51	01:18:12.9	-1:04:23	300	90	3.0	#64 Cluster In	2	
0130.a168_191	900	1:51	01:14:53.7	1:53:02	300	90	3.0	#64 Cluster In	2	
0131.COMP	12	1:51	01:14:53.7	1:53:02	300	90	3.0	#64 Cluster In	2	
0132.a168_193	1020	1:51	01:19:47.2	1:04:04	300	90	3.0	#64 Cluster In	2	
0133.COMP	12	1:51	01:19:47.2	1:04:04	300	90	3.0	#64 Cluster In	2	
0134.a168_195	1020	1:51	01:15:51.3	0:08:48	300	90	3.0	#64 Cluster In	2	
0135.COMP	12	1:51	01:15:51.3	0:08:48	300	90	3.0	#64 Cluster In	2	



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0136.sn2001ep	1200	1:51	04:57:00.2	-04:45:40	300	4	3.0	#2 SN Observat	2	
0137.COMP	12	1:51	04:57:00.2	-04:45:40	300	4	3.0	#2 SN Observat	2	
0138.IRAS_03252p3959	1200	1:51	03:28:27.7	+40:09:17	300	90	3.0	#124 COLA	2	
0139.COMP	12	1:51	03:28:27.7	+40:09:17	300	90	3.0	#124 COLA	2	
0140.NGC_1334	1200	1:51	03:30:01.7	+41:49:57	300	0	3.0	#124 COLA	2	North-South orientation
0141.COMP	12	1:51	03:30:01.7	+41:49:57	300	0	3.0	#124 COLA	2	Galactic nucleus = row 69
0142.sn2001ej	1200	1:51	07:23:43.2	33:26:38	300	86	3.0	#2 SN Observat	2	
0143.COMP	12	1:51	07:23:43.2	33:26:38	300	86	3.0	#2 SN Observat	2	
0144.BGGem	300	1:51	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0145.COMP	12	1:51	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0146.BGGem	1200	1:51	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0147.COMP	12	1:51	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0148.N3227	60	1:51	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0149.N3227	60	1:51	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0150.N3227	60	1:51	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0151.COMP	12	1:51	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0152.MRK421	120	1:51	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0153.MRK421	120	1:51	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0154.COMP	12	1:51	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0155-0159.sky	2	13:20	11:04:27.4	+38:12:32	300	90	3.0	#57 Velocity S	4	



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0160.COMP	5	13:20	11:04:27.4	+38:12:32	300	90	3.0	#57 Velocity S	4	
0161-0170.BIAS	0	13:23	11:04:27.4	+38:12:32	300	90	3.0	#57 Velocity S	4	
0171-0180.FLAT	6	13:27	11:04:27.4	+38:12:32	300	90	3.0	#57 Velocity S	4	
0181-0190.BIAS	0	13:30	11:04:27.4	+38:12:32	300	90	3.0	#57 Velocity S	2	
0191-0200.FLAT	12	13:35	11:04:27.4	+38:12:32	300	90	3.0	#57 Velocity S	2	
0201-0210.DARK	900	15:54	11:04:27.4	+38:12:32	300	90	3.0	#57 Velocity S	2	