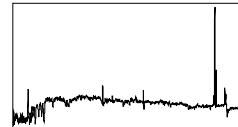




## WHIPPLE OBSERVATORY

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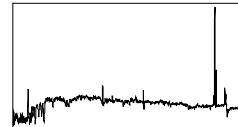
Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	21:55	18:38:02.0	31:30:10	300	90	3.0	#100 BGGem	2	binby2
0002.DARK	900	21:55	18:53:19.0	31:30:08	300	90	3.0	#100 BGGem	2	
0003.DARK	900	21:55	19:08:35.0	31:30:05	300	90	3.0	#100 BGGem	2	
0004.DARK	900	21:55	19:23:48.0	31:30:03	300	90	3.0	#100 BGGem	2	
0005.DARK	900	21:55	19:39:04.0	31:30:00	300	90	3.0	#100 BGGem	2	
0006.DARK	900	21:55	19:54:20.0	31:29:58	300	90	3.0	#100 BGGem	2	
0007.DARK	900	21:55	20:09:36.0	31:29:56	300	90	3.0	#100 BGGem	2	
0008.DARK	900	21:55	20:24:51.0	31:29:54	300	90	3.0	#100 BGGem	2	
0009.DARK	900	21:55	20:40:07.0	31:29:53	300	90	3.0	#100 BGGem	2	
0010.DARK	900	21:55	20:55:24.0	31:29:51	300	90	3.0	#100 BGGem	2	
0011-0020.BIAS	0	0:29	20:57:47.0	31:29:51	300	90	3.0	#100 BGGem	2	
0021-0030.FLAT	16	0:34	21:02:46.0	31:29:50	300	90	3.0	#100 BGGem	2	
0031.BIAS	0	0:34	21:03:03.0	31:29:50	300	90	3.0	#100 BGGem	4	binby4
0032-0040.BIAS	0	0:35	21:04:17.0	31:29:50	300	90	3.0	#100 BGGem	4	
0041-0050.FLAT	8	0:38	21:07:02.0	31:29:50	300	90	3.0	#100 BGGem	4	
0051.sky	2	0:38	21:08:50.0	31:29:49	300	90	3.0	#100 BGGem	4	clouds
0052-0056.sky	5	0:42	21:10:30.0	31:29:49	300	90	3.0	#100 BGGem	4	
0057.COMP	5	0:42	21:11:05.0	31:29:49	300	90	3.0	#100 BGGem	4	
0058.HD192281	5	0:42	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0059.COMP	5	0:42	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	



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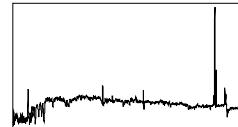
Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0060.id1015	720	0:42	20:07:33.1	35:39:18	300	90	3.0	#115 PMS NGC68	4	
0061.COMP	5	0:42	20:07:33.1	35:39:18	300	90	3.0	#115 PMS NGC68	4	
0062.id1222	720	0:42	20:07:13.9	35:40:36	300	90	3.0	#115 PMS NGC68	4	
0063.COMP	5	0:42	20:07:13.9	35:40:36	300	90	3.0	#115 PMS NGC68	4	
0064.N7331	180	0:42	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0065.COMP	5	0:42	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0066.BDp284211	100	0:42	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0067.COMP	5	0:42	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0068.BDp284211	100	0:42	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0069.COMP	10	0:42	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0070.ZAnd	3	0:42	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0071.ZAnd	9	0:42	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0072.ZAnd	15	0:42	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0073.ZAnd	45	0:42	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0074.COMP	5	0:42	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0075.2M005118.3p625515	180	0:42	00:51:18.3	+62:55:15	300	90	3.0	#68 2MASS Reds	4	bright star E
0076.COMP	5	0:42	00:51:18.3	+62:55:15	300	90	3.0	#68 2MASS Reds	4	
0077.2M012330.9p614908	300	0:42	01:23:30.9	+61:49:08	300	90	3.0	#68 2MASS Reds	4	
0078.COMP	5	0:42	01:23:30.9	+61:49:08	300	90	3.0	#68 2MASS Reds	4	
0079.id1222	720	0:42	20:07:13.9	35:40:36	300	90	3.0	#115 PMS NGC68	4	



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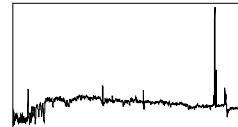
Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0080.COMP	5	0:42	20:07:13.9	35:40:36	300	90	3.0	#115 PMS NGC68	4	
0081.id1378	720	0:42	20:06:56.1	35:42:11	300	90	3.0	#115 PMS NGC68	4	
0082.COMP	5	0:42	20:06:56.1	35:42:11	300	90	3.0	#115 PMS NGC68	4	
0083.a168_129	900	0:42	01:07:59.8	3:08:32	300	90	3.0	#64 Cluster In	4	
0084.COMP	5	0:42	01:07:59.8	3:08:32	300	90	3.0	#64 Cluster In	4	
0085.a168_132	900	0:42	01:22:38.0	-2:26:26	300	90	3.0	#64 Cluster In	4	
0086.COMP	5	0:42	01:22:38.0	-2:26:26	300	90	3.0	#64 Cluster In	4	
0087.a168_134	900	0:42	01:17:39.4	-2:56:27	300	90	3.0	#64 Cluster In	4	
0088.COMP	5	0:42	01:17:39.4	-2:56:27	300	90	3.0	#64 Cluster In	4	
0089.a168_137	700	0:42	01:10:53.3	2:37:06	300	90	3.0	#64 Cluster In	4	
0090.COMP	5	0:42	01:10:53.3	2:37:06	300	90	3.0	#64 Cluster In	4	
0091.2M022901.6p613328	990	0:42	02:29:01.6	+61:33:28	300	90	3.0	#68 2MASS Reds	4	clouds
0092.COMP	5	0:42	02:29:01.6	+61:33:28	300	90	3.0	#68 2MASS Reds	4	
0093.2M040637.7p302234	300	0:42	04:06:37.7	+30:22:34	300	90	3.0	#68 2MASS Reds	4	
0094.COMP	5	0:42	04:06:37.7	+30:22:34	300	90	3.0	#68 2MASS Reds	4	
0095.2M040650.9p291046	300	0:42	04:06:50.9	+29:10:46	300	90	3.0	#68 2MASS Reds	4	
0096.COMP	5	0:42	04:06:50.9	+29:10:46	300	90	3.0	#68 2MASS Reds	4	
0097.2M040725.4p434133	300	0:42	04:07:25.4	+43:41:33	300	90	3.0	#68 2MASS Reds	4	
0098.COMP	5	0:42	04:07:25.4	+43:41:33	300	90	3.0	#68 2MASS Reds	4	
0099.2M040738.3p432141	300	0:42	04:07:38.3	+43:21:41	300	90	3.0	#68 2MASS Reds	4	



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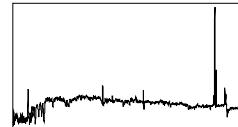
Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0100.COMP	5	0:42	04:07:38.3	+43:21:41	300	90	3.0	#68 2MASS Reds	4	
0101.2M041511.5m005053	500	0:42	04:15:11.5	-00:50:53	300	90	3.0	#68 2MASS Reds	4	end of sucker hole
0102.COMP	5	0:42	04:15:11.5	-00:50:53	300	90	3.0	#68 2MASS Reds	4	
0103-0112.BIAS	0	8:33	05:30:33.3	-01:28:38	300	90	3.0	#56 Spectropho	4	
0113-0122.FLAT	8	8:37	05:30:33.3	-01:28:38	300	90	3.0	#56 Spectropho	4	
0123-0126.DARK	1200	9:42	05:30:33.3	-01:28:38	300	90	3.0	#56 Spectropho	4	
0127.DARK	1200	9:42	04:42:54.3	+40:39:15	300	90	3.0	#68 2MASS Reds	4	
0128.2M034603.1p693204	750	9:42	03:46:03.1	+69:32:04	300	90	3.0	#68 2MASS Reds	4	
0129.COMP	5	9:42	03:46:03.1	+69:32:04	300	90	3.0	#68 2MASS Reds	4	
0130.sn2001fe	1200	9:42	09:37:57.1	+25:29:41	300	90	3.0	#2 SN Observat	2	
0131.COMP	10	9:42	09:37:57.1	+25:29:41	300	90	3.0	#2 SN Observat	2	
0132.Akn120	1200	9:42	6:44:50	-27:37:13	300	90	3.0	#6 AGN Monitor	2	wrong name, really sn2001fz
0133.COMP	10	9:42	6:44:50	-27:37:13	300	90	3.0	#6 AGN Monitor	2	
0134.ch0827p29b	300	9:42	08:27:26.2	29:16:01	300	90	3.0	#129 CHAMP Sou	4	
0135.COMP	5	9:42	08:27:26.2	29:16:01	300	90	3.0	#129 CHAMP Sou	4	
0136.ch0849p44d	180	9:42	08:49:13.6	44:47:57	300	90	3.0	#129 CHAMP Sou	4	
0137.COMP	5	9:42	08:49:13.6	44:47:57	300	90	3.0	#129 CHAMP Sou	4	
0138.ch0848p44a	720	9:42	08:48:22.4	44:56:31	300	90	3.0	#129 CHAMP Sou	4	
0139.COMP	5	9:42	08:48:22.4	44:56:31	300	90	3.0	#129 CHAMP Sou	4	
0140.ch0849p44e	720	9:42	08:49:23.6	44:52:50	300	90	3.0	#129 CHAMP Sou	4	



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## FAST SPECTROGRAPH LOG



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UT Date 2001-11-19 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0141.COMP	5	9:42	08:49:23.6	44:52:50	300	90	3.0	#129 CHAMP Sou	4	
0142.ch0849p44b	600	9:42	08:49:06.9	44:49:00	300	90	3.0	#129 CHAMP Sou	4	
0143.COMP	5	9:42	08:49:06.9	44:49:00	300	90	3.0	#129 CHAMP Sou	4	
0144.ch0934p55	60	9:42	09:34:11.1	55:11:44	300	90	3.0	#129 CHAMP Sou	4	
0145.COMP	5	9:42	09:34:11.1	55:11:44	300	90	3.0	#129 CHAMP Sou	4	
0146.Feige34	120	9:42	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	binby2
0147.COMP	10	9:42	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0148-0157.BIAS	0	13:16	10:36:41.2	43:21:50	300	90	3.0	#68 2MASS Reds	2	
0158-0167.FLAT	16	13:21	10:36:41.2	43:21:50	300	90	3.0	#68 2MASS Reds	2	
0168.DARK	1200	13:21	10:36:41.2	43:21:50	300	90	3.0	#68 2MASS Reds	4	binby4
0169-0177.DARK	1200	16:27	10:36:41.2	43:21:50	300	90	3.0	#68 2MASS Reds	4	