



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



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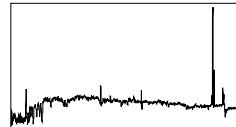
Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	0:59	15:06:09.4	+53:24:41	300	73	3.0	#2 SN Observat	4	
0006-0015.BIAS	0	1:15	15:06:09.4	+53:24:41	300	73	3.0	#2 SN Observat	4	
0016-0025.FLAT	6	1:18	15:06:09.4	+53:24:41	300	73	3.0	#2 SN Observat	4	
0026-0035.BIAS	0	1:20	15:06:09.4	+53:24:41	300	73	3.0	#2 SN Observat	2	
0036-0045.FLAT	12	1:25	15:06:09.4	+53:24:41	300	73	3.0	#2 SN Observat	2	
0046.Feige25	120	1:25	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	4	
0047.COMP	5	1:25	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	4	
0048.Feige25	120	1:25	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	2	
0049.COMP	12	1:25	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	2	
0050.M31	60	1:25	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0051.COMP	12	1:25	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0052.ZAnd	2	1:25	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0053.ZAnd	10	1:25	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0054.ZAnd	60	1:25	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0055.COMP	12	1:25	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0056.Akn564	180	1:25	22:42:39.4	+29:43:31	300	74	3.0	#6 AGN Monitor	2	
0057.Akn564	180	1:25	22:42:39.4	+29:43:31	300	74	3.0	#6 AGN Monitor	2	
0058.COMP	12	1:25	22:42:39.4	+29:43:31	300	74	3.0	#6 AGN Monitor	2	
0059.a168_230	1200	1:25	01:10:41.8	3:36:49	300	69	3.0	#64 Cluster In	2	
0060.COMP	12	1:25	01:10:41.8	3:36:49	300	69	3.0	#64 Cluster In	2	



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0061.a168_239	780	1:25	01:17:24.0	-3:37:27	300	90	3.0	#64 Cluster In	2	
0062.COMP	12	1:25	01:17:24.0	-3:37:27	300	90	3.0	#64 Cluster In	2	
0063.a168_245	900	1:25	01:22:18.3	3:25:15	300	90	3.0	#64 Cluster In	2	
0064.COMP	12	1:25	01:22:18.3	3:25:15	300	90	3.0	#64 Cluster In	2	
0065.a168_265	1200	1:25	01:22:04.2	2:24:15	300	90	3.0	#64 Cluster In	2	
0066.COMP	12	1:25	01:22:04.2	2:24:15	300	90	3.0	#64 Cluster In	2	
0067.a496_425	1200	1:25	04:27:08.4	-10:03:02	300	-10	3.0	#64 Cluster In	2	
0068.COMP	12	1:25	04:27:08.4	-10:03:02	300	-10	3.0	#64 Cluster In	2	
0069.a496_440	1200	1:25	04:18:00.0	-10:21:04	300	90	3.0	#64 Cluster In	2	
0070.COMP	12	1:25	04:18:00.0	-10:21:04	300	90	3.0	#64 Cluster In	2	
0071.a496_447	1200	1:25	04:49:10.3	-15:20:15	300	90	3.0	#64 Cluster In	2	
0072.COMP	12	1:25	04:49:10.3	-15:20:15	300	90	3.0	#64 Cluster In	2	
0073.a496_449	1200	1:25	04:15:53.8	-12:43:53	300	90	3.0	#64 Cluster In	2	
0074.COMP	12	1:25	04:15:53.8	-12:43:53	300	90	3.0	#64 Cluster In	2	
0075.a496_450	1020	1:25	04:21:32.3	-15:44:13	300	90	3.0	#64 Cluster In	2	
0076.COMP	12	1:25	04:21:32.3	-15:44:13	300	90	3.0	#64 Cluster In	2	
0077.a496_452	720	1:25	04:47:01.2	-15:09:24	300	90	3.0	#64 Cluster In	2	
0078.COMP	12	1:25	04:47:01.2	-15:09:24	300	90	3.0	#64 Cluster In	2	
0079.a496_454	1200	1:25	04:52:16.8	-13:06:52	300	90	3.0	#64 Cluster In	2	
0080.COMP	12	1:25	04:52:16.8	-13:06:52	300	90	3.0	#64 Cluster In	2	



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0081.a496_457	660	1:25	04:15:18.8	-13:49:42	300	90	3.0	#64 Cluster In	2	
0082.COMP	12	1:25	04:15:18.8	-13:49:42	300	90	3.0	#64 Cluster In	2	
0083.sn2001is	1200	1:25	05:42:09.0	+69:21:54	300	-17	3.0	#2 SN Observat	2	row=78
0084.COMP	12	1:25	05:42:09.0	+69:21:54	300	-17	3.0	#2 SN Observat	2	
0085.Hiltner600	45	1:25	06:42:37.2	02:11:25	300	4	3.0	#56 Spectropho	2	excellent seeing!
0086.COMP	12	1:25	06:42:37.2	02:11:25	300	4	3.0	#56 Spectropho	2	
0087.BGGem	300	1:25	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0088.COMP	12	1:25	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0089.BGGem	1200	1:25	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0090.COMP	12	1:25	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0091.ch0827p29d	1200	1:25	08:27:29.8	29:19:05	300	90	3.0	#129 CHAMP Sou	2	
0092.COMP	12	1:25	08:27:29.8	29:19:05	300	90	3.0	#129 CHAMP Sou	2	
0093.ch0827p29e	720	1:25	08:27:55.2	29:27:00	300	90	3.0	#129 CHAMP Sou	2	galaxy
0094.COMP	12	1:25	08:27:55.2	29:27:00	300	90	3.0	#129 CHAMP Sou	2	
0095.ch0848p45a	480	1:25	08:48:54.0	45:02:31	300	90	3.0	#129 CHAMP Sou	2	
0096.COMP	12	1:25	08:48:54.0	45:02:31	300	90	3.0	#129 CHAMP Sou	2	
0097.ch1025p47a	1200	1:25	10:25:13.6	47:06:54	300	90	3.0	#129 CHAMP Sou	2	faint gal
0098.COMP	12	1:25	10:25:13.6	47:06:54	300	90	3.0	#129 CHAMP Sou	2	
0099.ch1025p47b	1200	1:25	10:25:54.6	47:14:24	300	90	3.0	#129 CHAMP Sou	2	
0100.COMP	12	1:25	10:25:54.6	47:14:24	300	90	3.0	#129 CHAMP Sou	2	



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0101.FLAT	40	1:25	10:25:54.6	47:14:24	600	90	2.0	#122 Halo Stre	4	600L, 2arcsec, 430 tilt
0102-0110.FLAT	40	9:37	10:25:54.6	47:14:24	600	90	2.0	#122 Halo Stre	4	
0111.Feige34	120	9:37	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	9:37	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	
0113.hs644	1200	9:37	9:29:21.1	28:59:05	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	9:37	9:29:21.1	28:59:05	600	90	2.0	#122 Halo Star	4	
0115.hs647	1200	9:37	9:30:19.7	28:52:56	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	9:37	9:30:19.7	28:52:56	600	90	2.0	#122 Halo Star	4	
0117.hs648	120	9:37	9:30:51.3	28:13:31	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	9:37	9:30:51.3	28:13:31	600	90	2.0	#122 Halo Star	4	
0119.hs649	780	9:37	9:31:06.0	28:53:19	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	9:37	9:31:06.0	28:53:19	600	90	2.0	#122 Halo Star	4	
0121.hs650	830	9:37	9:31:33.5	28:24:09	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	9:37	9:31:33.5	28:24:09	600	90	2.0	#122 Halo Star	4	
0123.hs651	120	9:37	9:31:56.4	27:50:39	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	9:37	9:31:56.4	27:50:39	600	90	2.0	#122 Halo Star	4	
0125.hs652	600	9:37	9:32:00.5	28:01:40	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	9:37	9:32:00.5	28:01:40	600	90	2.0	#122 Halo Star	4	
0127.hs653	1200	9:37	9:32:04.0	28:50:44	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	9:37	9:32:04.0	28:50:44	600	90	2.0	#122 Halo Star	4	



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0129.hs654	540	9:37	9:32:20.0	29:22:22	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	9:37	9:32:20.0	29:22:22	600	90	2.0	#122 Halo Star	4	
0131.hs655	540	9:37	9:32:41.6	29:00:02	600	90	2.0	#122 Halo Star	4	
0132.COMP	12	9:37	9:32:41.6	29:00:02	600	90	2.0	#122 Halo Star	4	
0133.hs656	60	9:37	9:32:49.3	28:10:00	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	9:37	9:32:49.3	28:10:00	600	90	2.0	#122 Halo Star	4	
0135.hs657	120	9:37	9:32:50.6	28:22:30	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	9:37	9:32:50.6	28:22:30	600	90	2.0	#122 Halo Star	4	
0137.hs658	540	9:37	9:32:51.0	28:48:16	600	90	2.0	#122 Halo Star	4	
0138.COMP	12	9:37	9:32:51.0	28:48:16	600	90	2.0	#122 Halo Star	4	
0139.hs659	420	9:37	9:32:58.7	29:23:34	600	90	2.0	#122 Halo Star	4	
0140.COMP	12	9:37	9:32:58.7	29:23:34	600	90	2.0	#122 Halo Star	4	
0141.MRK421	300	9:37	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	normal setup
0142.MRK421	300	9:37	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0143.MRK421	300	9:37	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0144.COMP	12	9:37	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0145.sn2001it	1200	9:37	15:06:09.4	+53:24:41	300	62	3.0	#2 SN Observat	2	
0146.COMP	12	9:37	15:06:09.4	+53:24:41	300	62	3.0	#2 SN Observat	2	
0147.HZ44	120	9:37	13:21:19.0	36:23:39	300	32	3.0	#56 Spectropho	2	
0148.COMP	12	9:37	13:21:19.0	36:23:39	300	32	3.0	#56 Spectropho	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0149-0153.sky	2	14:01	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0154.COMP	5	14:01	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0155-0164.BIAS	0	14:04	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0165-0174.FLAT	6	14:07	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0175-0184.BIAS	0	14:09	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	2	
0185-0194.FLAT	12	14:14	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	2	
0195-0204.DARK	900	16:36	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	2	