



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



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Coll. Focus 1015 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	23:41	03:08:10.5	+31:28:35	300	90	3.0	#6 AGN Monitor	4	
0002.DARK	900	23:57	03:23:21.0	+31:28:39	300	90	3.0	#6 AGN Monitor	4	
0003.DARK	900	0:12	03:38:27.8	+31:28:44	300	90	3.0	#6 AGN Monitor	4	
0004.DARK	900	0:27	03:53:38.1	+31:28:49	300	90	3.0	#6 AGN Monitor	4	
0005.DARK	900	0:42	04:08:44.9	+31:28:54	300	90	3.0	#6 AGN Monitor	4	
0006.DARK	900	0:57	04:23:54.9	+31:29:00	300	90	3.0	#6 AGN Monitor	4	
0007.DARK	900	1:12	04:39:05.1	+31:29:06	300	90	3.0	#6 AGN Monitor	4	
0008-0017.BIAS	0	2:07	05:19:17.1	+31:29:23	600	90	2.0	#6 AGN Monitor	4	
0018.FLAT	24	2:08	05:20:39.3	+31:29:24	600	90	2.0	#6 AGN Monitor	4	
0019-0021.FLAT	24	2:13	05:25:03.8	+31:29:25	600	90	2.0	#6 AGN Monitor	4	
0022-0025.FLAT	24	2:15	05:27:05.4	+31:29:26	600	90	2.0	#6 AGN Monitor	4	
0026-0027.FLAT	24	2:16	05:28:06.3	+31:29:27	600	90	2.0	#6 AGN Monitor	4	
0028.hs3524	600	2:27	2:27:55.1	14:18:48	600	90	2.0	#122 Halo Star	4	Warren
0029.COMP	10	2:38	2:27:55.1	14:18:48	600	90	2.0	#122 Halo Star	4	
0030.hs3525	200	2:41	2:28:07.5	10:44:16	600	90	2.0	#122 Halo Star	4	
0031.COMP	10	2:46	2:28:07.5	10:44:16	600	90	2.0	#122 Halo Star	4	
0032.hs3526	400	2:48	2:28:42.1	8:19:06	600	90	2.0	#122 Halo Star	4	
0033.COMP	10	2:55	2:28:42.1	8:19:06	600	90	2.0	#122 Halo Star	4	
0034.hs3527	300	2:58	2:28:52.0	8:35:16	600	90	2.0	#122 Halo Star	4	
0035.COMP	10	3:03	2:28:52.0	8:35:16	600	90	2.0	#122 Halo Star	4	



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0036.hs3528	168	3:05	2:28:56.7	14:18:13	600	90	2.0	#122 Halo Star	4	
0037.COMP	10	3:08	2:28:56.7	14:18:13	600	90	2.0	#122 Halo Star	4	
0038.hs3529	216	3:10	2:30:16.6	5:15:50	600	90	2.0	#122 Halo Star	4	
0039.COMP	10	3:14	2:30:16.6	5:15:50	600	90	2.0	#122 Halo Star	4	
0040.Hiltner600	70	3:16	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	
0041.COMP	10	3:18	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	
0042.sn2004gq	1200	3:43	05:12:04.8	-15:40:54	300	27	3.0	#2 SN Observat	2	combo setup, row=83
0043.COMP	12	4:03	05:12:04.8	-15:40:54	300	27	3.0	#2 SN Observat	2	
0044.G191B2B	150	4:10	05:01:31.5	52:45:52	300	110	3.0	#56 Spectropho	2	
0045.COMP	12	4:13	05:01:31.5	52:45:52	300	110	3.0	#56 Spectropho	2	
0046.Hiltner600	45	4:18	06:42:37.2	02:11:25	300	40	3.0	#56 Spectropho	2	
0047.COMP	12	4:19	06:42:37.2	02:11:25	300	40	3.0	#56 Spectropho	2	
0048-0057.BIAS	0	4:25	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0058-0077.FLAT	12	4:35	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0078.BGGem	300	4:40	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0079.COMP	12	4:46	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0080.BGGem	1200	4:47	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0081.COMP	12	5:08	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0082.BXMon	15	5:11	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0083.BXMon	180	5:11	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	



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0084.COMP	12	5:15	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0085.XS02545B7_024	780	5:32	7:37:3.0	-9:35:45	300	90	3.0	#152 ChaMPlane	2	
0086.COMP	12	5:46	7:37:3.0	-9:35:45	300	90	3.0	#152 ChaMPlane	2	
0087.XS02545B7_016	720	5:48	7:37:19.2	-9:38:29	300	100	3.0	#152 ChaMPlane	2	
0088.COMP	12	6:01	7:37:19.2	-9:38:29	300	100	3.0	#152 ChaMPlane	2	
0089.XS02545B7_028	720	6:04	7:37:12.5	-9:35:37	300	100	3.0	#152 ChaMPlane	2	
0090.COMP	12	6:16	7:37:12.5	-9:35:37	300	100	3.0	#152 ChaMPlane	2	
0091.XS02545B6_002	720	6:21	7:37:34.9	-9:41:7	300	100	3.0	#152 ChaMPlane	2	
0092.COMP	12	6:34	7:37:34.9	-9:41:7	300	100	3.0	#152 ChaMPlane	2	
0093.XS02545B6_017	1020	6:39	7:37:43.6	-9:44:19	300	90	3.0	#152 ChaMPlane	2	
0094.XS02545B6_017	1020	6:56	7:37:43.6	-9:44:19	300	90	3.0	#152 ChaMPlane	2	
0095.COMP	12	7:14	7:37:43.6	-9:44:19	300	90	3.0	#152 ChaMPlane	2	
0096.sn2005m	1200	7:18	09:37:32.3	+23:12:02	300	50	3.0	#2 SN Observat	2	row=84
0097.COMP	12	7:39	09:37:32.3	+23:12:02	300	50	3.0	#2 SN Observat	2	
0098.N3227	150	7:42	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0099.N3227	150	7:45	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0100.COMP	12	7:48	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0101.MRK421	300	7:49	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0102.MRK421	300	7:55	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0103.MRK421	300	8:00	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	



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0104.COMP	12	8:05	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0105.N4051	150	8:08	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0106.N4051	150	8:10	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0107.N4051	150	8:13	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0108.COMP	12	8:16	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0109.N4151	30	8:18	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0110.N4151	30	8:19	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0111.COMP	12	8:20	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0112.sn2004gk	1200	8:28	12:25:33.2	+12:15:39	300	-21	3.0	#2 SN Observat	2	
0113.COMP	12	8:49	12:25:33.2	+12:15:39	300	-21	3.0	#2 SN Observat	2	
0114.hs2274	318	9:06	12:25:24.8	79:14:01	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	9:15	12:25:24.8	79:14:01	600	90	2.0	#122 Halo Star	4	
0116.hs2275	228	9:18	12:25:37.4	40:42:48	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	9:22	12:25:37.4	40:42:48	600	90	2.0	#122 Halo Star	4	
0118.hs2276	348	9:25	12:25:37.7	81:07:29	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	9:31	12:25:37.7	81:07:29	600	90	2.0	#122 Halo Star	4	
0120.hs2277	660	9:33	12:25:47.9	79:31:18	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	9:44	12:25:47.9	79:31:18	600	90	2.0	#122 Halo Star	4	
0122.hs2278	342	9:46	12:26:07.6	26:29:48	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	9:52	12:26:07.6	26:29:48	600	90	2.0	#122 Halo Star	4	



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0124.hs2279	336	9:53	12:26:10.2	30:07:12	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	9:59	12:26:10.2	30:07:12	600	90	2.0	#122 Halo Star	4	
0126.hs2280	288	10:01	12:26:17.0	77:43:12	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	10:06	12:26:17.0	77:43:12	600	90	2.0	#122 Halo Star	4	
0128.hs2281	324	10:08	12:26:17.9	71:36:08	600	90	2.0	#122 Halo Star	4	
0129.COMP	10	10:13	12:26:17.9	71:36:08	600	90	2.0	#122 Halo Star	4	
0130.hs2282	306	10:15	12:26:31.2	78:53:42	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	10:20	12:26:31.2	78:53:42	600	90	2.0	#122 Halo Star	4	
0132.hs2283	444	10:21	12:26:37.2	74:13:31	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	10:29	12:26:37.2	74:13:31	600	90	2.0	#122 Halo Star	4	
0134.hs2284	498	10:30	12:26:55.5	72:54:50	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	10:39	12:26:55.5	72:54:50	600	90	2.0	#122 Halo Star	4	
0136.hs2285	606	10:40	12:27:29.3	33:25:17	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	10:51	12:27:29.3	33:25:17	600	90	2.0	#122 Halo Star	4	
0138.hs2286	282	10:52	12:27:29.8	52:29:28	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	10:58	12:27:29.8	52:29:28	600	90	2.0	#122 Halo Star	4	
0140-0149.FLAT	24	11:04	12:27:29.8	52:29:28	600	90	2.0	#122 Halo Star	4	
0150.MRK279	120	11:12	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0151.MRK279	120	11:14	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0152.COMP	12	11:16	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	



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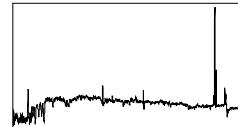
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0153.N5548	150	11:19	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0154.N5548	150	11:21	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0155.N5548	150	11:24	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0156.COMP	12	11:27	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0157.BDp332642	70	11:29	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0158.COMP	12	11:30	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0159.2052_02	1020	11:34	15:16:45.6	+06:16:07	300	90	3.0	#64 Cluster an	2	
0160.COMP	12	11:51	15:16:45.6	+06:16:07	300	90	3.0	#64 Cluster an	2	
0161.2052_03	900	11:55	15:18:22.9	+06:19:45	300	90	3.0	#64 Cluster an	2	
0162.COMP	12	12:10	15:18:22.9	+06:19:45	300	90	3.0	#64 Cluster an	2	
0163.TXCVn	10	12:14	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0164.TXCVn	30	12:14	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0165.COMP	12	12:15	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0166.RWHyA	2	12:18	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0167.RWHyA	10	12:19	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0168.RWHyA	20	12:19	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0169.COMP	12	12:20	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0170.TCrB	15	12:23	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0171.TCrB	60	12:24	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0172.COMP	12	12:26	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	



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0173.AGDra	2	12:29	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0174.AGDra	15	12:30	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0175.AGDra	45	12:31	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0176.COMP	12	12:32	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0177.DracoC1	1200	12:37	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0178.COMP	12	12:58	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0179.RSOph	10	13:00	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0180.RSOph	60	13:01	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0181.RSOph	150	13:02	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0182.COMP	12	13:05	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0183-0187.sky	2	13:35	17:50:13	-06:42:30	300	90	3.0	#57 Velocity S	4	
0188.COMP	5	13:35	17:50:13	-06:42:30	300	90	3.0	#57 Velocity S	4	
0189-0198.BIAS	0	13:37	17:50:13	-06:42:30	300	90	3.0	#57 Velocity S	4	
0199-0208.FLAT	6	13:39	17:50:13	-06:42:30	300	90	3.0	#57 Velocity S	4	
0209-0218.BIAS	0	13:41	17:50:13	-06:42:30	300	90	3.0	#57 Velocity S	2	
0219-0238.FLAT	12	13:50	17:50:13	-06:42:30	300	90	3.0	#57 Velocity S	2	
0239-0248.DARK	900	16:08	17:50:13	-06:42:30	300	90	3.0	#57 Velocity S	2	