



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



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Coll. Focus 1034 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	22:52	03:57:28.6	+31:28:52	600	90	2.0	#122 Halo Star	4	
0002.BIAS	0	22:52	03:57:54.5	+31:28:52	600	90	2.0	#122 Halo Star	4	
0003.COMP	12	22:53	03:58:41.0	+31:28:52	600	90	2.0	#122 Halo Star	4	
0004.BIAS	0	0:35	05:41:31.3	+31:29:33	600	90	2.0	#122 Halo Star	4 bin4	
0005-0013.BIAS	0	0:37	05:42:38.9	+31:29:33	600	90	2.0	#122 Halo Star	4	
0014.FLAT	8	0:37	05:43:00.2	+31:29:33	300	90	3.0	#122 Halo Star	4 bin4	
0015-0021.FLAT	8	0:39	05:45:24.5	+31:29:34	300	90	3.0	#122 Halo Star	4	
0022-0023.FLAT	8	0:40	05:46:06.9	+31:29:35	300	90	3.0	#122 Halo Star	4	
0024.BIAS	0	0:40	05:46:24.0	+31:29:35	600	90	2.0	#122 Halo Star	2 bin2	
0025-0030.BIAS	0	0:42	05:47:40.9	+31:29:35	600	90	2.0	#122 Halo Star	2	
0031-0033.BIAS	0	0:42	05:48:22.9	+31:29:36	600	90	2.0	#122 Halo Star	2	
0034.FLAT	16	0:43	05:49:00.9	+31:29:36	300	90	3.0	#122 Halo Star	2 bin2	
0035-0036.FLAT	16	0:44	05:50:09.5	+31:29:36	300	90	3.0	#122 Halo Star	2	
0037-0039.FLAT	16	0:46	05:51:55.9	+31:29:37	300	90	3.0	#122 Halo Star	2	
0040-0043.FLAT	16	0:48	05:54:20.3	+31:29:38	300	90	3.0	#122 Halo Star	2	
0044.FLAT	24	1:09	06:15:23.0	+31:29:48	600	90	2.0	#122 Halo Star	4 bin4	
0045-0047.FLAT	24	1:10	06:16:56.2	+31:29:48	600	90	2.0	#122 Halo Star	4	
0048-0052.FLAT	24	1:13	06:19:33.4	+31:29:49	600	90	2.0	#122 Halo Star	4	
0053.FLAT	24	1:13	06:20:03.3	+31:29:50	600	90	2.0	#122 Halo Star	4	
0054.sky	5	1:49	06:53:56.1	+31:30:05	300	90	3.0	#57 Velocity S	4	



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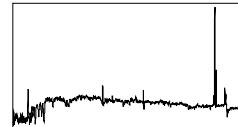
Coll. Focus 1034 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0055.sky	10	1:50	06:53:56.1	+31:30:05	300	90	3.0	#57 Velocity S	4	
0056-0059.sky	12	1:54	06:53:56.1	+31:30:05	300	90	3.0	#57 Velocity S	4	
0060-0063.sky	15	1:56	06:53:56.1	+31:30:05	300	90	3.0	#57 Velocity S	4	
0064.sky	20	1:57	06:53:56.1	+31:30:05	300	90	3.0	#57 Velocity S	4	
0065.sky	40	1:58	06:53:56.1	+31:30:05	300	90	3.0	#57 Velocity S	4	
0066.sky	90	1:59	06:53:56.2	+31:30:05	300	90	3.0	#57 Velocity S	4	
0067.GITau	10	2:35	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	4	test
0068.GITau	10	2:35	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	4	
0069.GITau	240	2:38	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	4	
0070.COMP	5	2:42	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	4	
0071.GKTau	10	2:53	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	4	
0072.GKTau	240	2:54	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	4	
0073.COMP	5	2:59	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	4	
0074.sn2005am	5	3:41	09:16:12.4	-16:18:16	300	-10	3.0	#2 SN Observat	4	test
0075.sn2005am	5	3:41	09:16:12.4	-16:18:16	300	-10	3.0	#2 SN Observat	4	test
0076.sn2005am	600	3:42	09:16:12.4	-16:18:16	300	-10	3.0	#2 SN Observat	4	
0077.COMP	5	3:53	09:16:12.4	-16:18:16	300	-10	3.0	#2 SN Observat	4	
0078.sn2005ay	900	4:17	11:52:48.0	+44:06:18	300	90	3.0	#2 SN Observat	4	
0079.COMP	5	4:33	11:52:48.0	+44:06:18	300	90	3.0	#2 SN Observat	4	
0080.HD84937	10	4:49	9:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	4	



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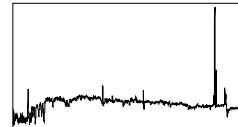
Coll. Focus 1034 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0081.COMP	5	4:51	9:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	4	
0082.Feige34	120	4:54	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0083.COMP	5	4:56	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0084.AGK2p43928	180	5:01	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	4	
0085.COMP	5	5:05	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	4	
0086.N3377	180	5:08	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0087.COMP	5	5:11	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0088.HD84937	10	5:33	9:48:56.1	13:44:39	300	90	5.0	#56 Spectropho	4	
0089.COMP	5	5:35	9:48:56.1	13:44:39	300	90	5.0	#56 Spectropho	4	
0090.Feige34	120	5:43	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	4	
0091.COMP	5	5:46	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	4	
0092.hs2347	492	6:17	12:42:37.4	38:01:08	600	90	2.0	#122 Halo Star	4	
0093.COMP	5	6:26	12:42:37.4	38:01:08	600	90	2.0	#122 Halo Star	4	
0094.hs2348	492	6:35	12:42:42.5	44:44:23	600	90	2.0	#122 Halo Star	4	
0095.COMP	5	6:44	12:42:42.5	44:44:23	600	90	2.0	#122 Halo Star	4	
0096.hs2351	300	6:48	12:43:25.1	71:52:29	600	90	2.0	#122 Halo Star	4	
0097.COMP	5	6:54	12:43:25.1	71:52:29	600	90	2.0	#122 Halo Star	4	
0098.hs2352	354	7:05	12:43:39.0	29:31:49	600	90	2.0	#122 Halo Star	4	
0099.COMP	5	7:11	12:43:39.0	29:31:49	600	90	2.0	#122 Halo Star	4	
0100.hs2350	600	7:17	12:43:22.4	62:52:56	600	90	2.0	#122 Halo Star	4	



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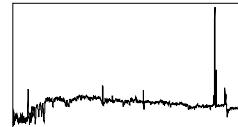
Coll. Focus 1034 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0101.COMP	5	7:27	12:43:22.4	62:52:56	600	90	2.0	#122 Halo Star	4	
0102.hs2357	330	8:04	12:44:55.1	58:11:21	600	90	2.0	#122 Halo Star	4	
0103.COMP	5	8:11	12:44:55.1	58:11:21	600	90	2.0	#122 Halo Star	4	
0104.hs2359	264	8:18	12:45:00.7	53:26:08	600	90	2.0	#122 Halo Star	4	
0105.COMP	5	8:23	12:45:00.7	53:26:08	600	90	2.0	#122 Halo Star	4	
0106.hs2360	336	8:29	12:45:12.8	50:46:52	600	90	2.0	#122 Halo Star	4	
0107.COMP	5	8:35	12:45:12.8	50:46:52	600	90	2.0	#122 Halo Star	4	
0108.hs2363	342	8:41	12:45:40.7	54:20:30	600	90	2.0	#122 Halo Star	4	
0109.COMP	5	8:47	12:45:40.7	54:20:30	600	90	2.0	#122 Halo Star	4	
0110.hs2364	216	8:50	12:45:49.5	45:32:04	600	90	2.0	#122 Halo Star	4	
0111.COMP	5	8:55	12:45:49.5	45:32:04	600	90	2.0	#122 Halo Star	4	
0112.hs2367	252	8:59	12:46:47.5	69:32:02	600	90	2.0	#122 Halo Star	4	
0113.COMP	5	9:03	12:46:47.5	69:32:02	600	90	2.0	#122 Halo Star	4	
0114.hs2371	264	9:06	12:48:04.3	26:44:49	600	90	2.0	#122 Halo Star	4	
0115.COMP	5	9:17	12:48:04.3	26:44:49	600	90	2.0	#122 Halo Star	4	
0116.hs2381	294	9:21	12:50:01.2	47:11:44	600	90	2.0	#122 Halo Star	4	
0117.COMP	5	9:26	12:50:01.2	47:11:44	600	90	2.0	#122 Halo Star	4	
0118.hs2383	276	9:29	12:50:08.7	65:28:42	600	90	2.0	#122 Halo Star	4	
0119.COMP	5	9:34	12:50:08.7	65:28:42	600	90	2.0	#122 Halo Star	4	
0120.hs2385	258	9:36	12:50:12.5	74:04:09	600	90	2.0	#122 Halo Star	4	



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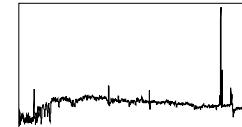
Coll. Focus 1034 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0121.COMP	5	9:40	12:50:12.5	74:04:09	600	90	2.0	#122 Halo Star	4	
0122.hs2393	264	9:45	12:51:36.1	36:00:20	600	90	2.0	#122 Halo Star	4	
0123.COMP	5	9:49	12:51:36.1	36:00:20	600	90	2.0	#122 Halo Star	4	
0124.sn2004gk	1200	10:12	12:25:33.2	+12:15:39	300	56	3.0	#2 SN Observat	4	
0125.COMP	5	10:36	12:25:33.2	+12:15:39	300	56	3.0	#2 SN Observat	4	
0126.XS02085B7_006	30	10:43	15:33:13.9	-00:37:44	300	90	3.0	#129 CHAMP Sou	4	
0127.COMP	5	10:45	15:33:13.9	-00:37:44	300	90	3.0	#129 CHAMP Sou	4	
0128.RSOph	5	10:53	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	4	
0129.COMP	5	10:53	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	4	
0130.RSOph	60	10:54	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	4	
0131.COMP	5	10:56	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	4	
0132.XXOph	1	10:58	17:43:56	-06:16:08	300	90	3.0	#12 Symbiotic	4	
0133.COMP	5	10:58	17:43:56	-06:16:08	300	90	3.0	#12 Symbiotic	4	
0134.XXOph	5	10:59	17:43:56	-06:16:08	300	90	3.0	#12 Symbiotic	4	
0135.COMP	5	10:59	17:43:56	-06:16:08	300	90	3.0	#12 Symbiotic	4	
0136.XXOph	10	11:00	17:43:56	-06:16:08	300	90	3.0	#12 Symbiotic	4	
0137.COMP	5	11:04	17:43:56	-06:16:08	300	90	3.0	#12 Symbiotic	4	
0138.145036+03320	300	11:08	14:53:05.3	+03:19:55	300	90	3.0	#84f Updated Z	4	
0139.COMP	5	11:14	14:53:05.3	+03:19:55	300	90	3.0	#84f Updated Z	4	
0140.144936-00030	600	11:16	14:52:11.2	-00:15:23	300	90	3.0	#84f Updated Z	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0141.COMP	5	11:27	14:52:11.2	-00:15:23	300	90	3.0	#84f Updated Z	4	
0142.145400-01550	600	11:31	14:56:33.1	-02:06:25	300	90	3.0	#84f Updated Z	4	
0143.COMP	5	11:42	14:56:33.1	-02:06:25	300	90	3.0	#84f Updated Z	4	
0144.150206+17530	600	11:48	15:04:29.4	+17:41:32	300	90	3.0	#84f Updated Z	4	
0145.COMP	5	11:58	15:04:29.4	+17:41:32	300	90	3.0	#84f Updated Z	4	
0146-0155.DARK	900	14:49	15:05:21.1	-02:02:05	300	90	3.0	#84f Updated Z	4	