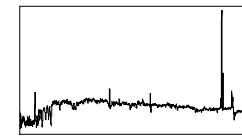


UT Date 2013-12-04 Observers P BerlindColl. Focus 1350 Grating/Grism 300

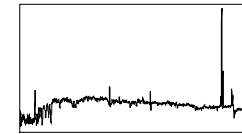
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:31	19:52:21.0	+31:28:04	300	89	3.0	0 Calibration	2	
0002.DARK	900	22:46	19:52:21.0	+31:28:04	300	89	3.0	0 Calibration	2	first night of FAST run
0003.DARK	900	23:01	19:52:21.0	+31:28:04	300	89	3.0	0 Calibration	2	past new moon already
0004.DARK	900	23:17	19:52:21.0	+31:28:04	300	89	3.0	0 Calibration	2	instrument was not mounted yesterday as scheduled
0005.DARK	900	23:32	19:52:21.0	+31:28:04	300	89	3.0	0 Calibration	2	
0006-0007.DARK	900	00:03	19:52:21.0	+31:28:04	300	89	3.0	0 Calibration	4	
0008-0017.BIAS	0	00:23	19:52:21.0	+31:28:04	300	89	3.0	0 Calibration	2	
0018-0032.FLAT	7	00:29	19:52:21.0	+31:28:04	300	89	3.0	0 Calibration	2	
0033.BDp174708	90	01:14	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0034.BDp174708	90	01:17	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0035.COMP	10	01:19	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0036.BDp284211	120	01:22	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0037.COMP	10	01:24	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0038.BLLac	1200	01:33	22:02:43.3	+42:16:40	300	89	3.0	#2 SN Observat	2	
0039.COMP	10	01:54	22:02:43.3	+42:16:40	300	89	3.0	0 Calibration	2	
0040.sn2013fw	973	01:56	21:13:44.8	+13:34:33	300	75	3.0	#2 SN Observat	2	
0041.COMP	10	02:20	21:13:44.8	+13:34:33	300	75	3.0	0 Calibration	2	
0043.ZAnd	239	02:26	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0044.COMP	10	02:31	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0045.HD1368	30	03:57	00:17:54.6	+00:22:40	300	90	3.0	#173 Small Sol	2	

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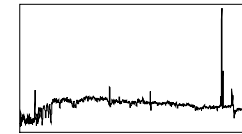
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0046.HD1368	30	03:57	00:17:54.6	+00:22:40	300	90	3.0	#173 Small Sol	2	
0047.HD1368	30	03:58	00:17:54.6	+00:22:40	300	90	3.0	#173 Small Sol	2	
0048.COMP	10	03:59	00:17:54.6	+00:22:40	300	90	3.0	0 Calibration	2	
0049.Asteroid.2010.CL19	1200	04:00	00:59:20.6	+05:05:37	300	90	3.0	#173 Small Sol	2	clear
0050.COMP	10	04:21	00:59:20.6	+05:05:37	300	90	3.0	0 Calibration	2	
0051.Asteroid.2010.CL19	1200	04:22	00:59:20.6	+05:05:37	300	90	3.0	#173 Small Sol	2	some clouds
0052.COMP	10	04:43	00:59:20.6	+05:05:37	300	90	3.0	0 Calibration	2	
0053.Asteroid.2010.CL19	666	04:44	00:59:20.6	+05:05:37	300	90	3.0	#173 Small Sol	2	stopped by clouds
0054.COMP	10	04:55	00:59:20.6	+05:05:37	300	90	3.0	0 Calibration	2	
0055.Asteroid.2010.CL19	1200	05:36	01:00:11.8	+05:08:14	300	90	3.0	#173 Small Sol	2	clear good sky
0056.COMP	10	05:57	01:00:11.8	+05:08:14	300	90	3.0	0 Calibration	2	
0057.snptf13ebh	1800	05:58	02:22:00.0	+33:16:14	300	90	3.0	#2 SN Observat	2	
0058.COMP	10	06:29	02:22:00.0	+33:16:14	300	90	3.0	0 Calibration	2	
0059.BIAS	0	06:32	04:30:00.0	+32:00:00	600	90	1.5	0 Calibration	4	
0060.lamost035	860	06:34	01:55:24.9	+57:59:53	600	90	1.5	#178 Low Mass	4	
0061.COMP	10	06:48	01:55:24.9	+57:59:53	600	90	1.5	0 Calibration	4	
0062.lamost026	1121	06:50	02:15:20.9	+56:15:01	600	90	1.5	#178 Low Mass	4	stopped by clouds
0063.COMP	10	07:09	02:15:20.9	+56:15:01	600	90	1.5	0 Calibration	4	
0064-0073.BIAS	0	07:13	02:15:20.9	+56:15:01	600	90	1.5	0 Calibration	4	
0074-0088.FLAT	12	07:21	02:15:20.9	+56:15:01	600	90	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.lamost096	901	07:35	02:38:45.4	+53:28:24	600	90	1.5	#178 Low Mass	4	open again
0090.COMP	10	07:51	02:38:45.4	+53:28:24	600	90	1.5	0 Calibration	4	
0091.lamost029	1200	07:52	02:17:18.3	+58:22:39	600	90	1.5	#178 Low Mass	4	
0092.COMP	10	08:13	02:17:18.3	+58:22:39	600	90	1.5	0 Calibration	4	
0093.lamost100	1200	08:15	04:01:08.6	+46:40:27	600	88	1.5	#178 Low Mass	4	
0094.COMP	10	08:35	04:01:08.6	+46:40:27	600	90	1.5	0 Calibration	4	
0095.lamost128	721	08:37	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0096.COMP	10	08:50	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0097.lamost079	1200	08:54	06:09:00.2	+29:01:34	600	90	1.5	#178 Low Mass	4	fog
0098.COMP	10	09:14	06:09:00.2	+29:01:34	600	82	1.5	0 Calibration	4	
0099.test	10	09:39	06:32:14.2	+04:56:27	300	90	3.0	#178 Low Mass	2	
0100.test	10	09:41	06:32:14.2	+04:56:27	300	90	3.0	#178 Low Mass	2	

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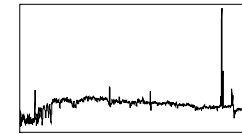
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:36	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	00:42	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0026.HD84937	30	10:53	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0027.HD84937	30	10:54	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0028.HD84937	30	10:55	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0029.COMP	5	10:56	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0030.Feige34	180	10:58	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0031.COMP	5	11:06	10:39:36.7	+43:06:09	300	87	3.0	0 Calibration	2	
0032.sn2013gs	1200	11:12	09:31:08.9	+46:23:05	300	87	3.0	#2 SN Observat	2	
0033.COMP	5	11:32	09:31:08.9	+46:23:05	300	89	3.0	0 Calibration	2	
0034.sn2013ge	900	11:36	10:34:48.5	+21:39:42	300	89	3.0	#2 SN Observat	2	
0035.COMP	5	11:51	10:34:48.5	+21:39:42	300	89	3.0	0 Calibration	2	
0036.HPbcg062	1200	11:57	10:17:08.9	+33:39:00	300	89	3.0	#210 Brightest	2	
0037.COMP	5	12:17	10:17:08.9	+33:39:00	300	89	3.0	0 Calibration	2	
0038.A00068.3	900	12:20	10:32:53.1	+12:05:15	300	88	3.0	#216 Local Com	2	
0039.COMP	5	12:36	10:32:53.1	+12:05:15	300	89	3.0	0 Calibration	2	
0040.N3377	600	12:39	10:47:42.4	+13:59:08	300	89	3.0	#57 Velocity S	2	
0041.COMP	5	12:50	10:47:42.4	+13:59:08	300	90	3.0	0 Calibration	2	
0042.TXCVn	10	12:52	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0043.TXCVn	30	12:53	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	

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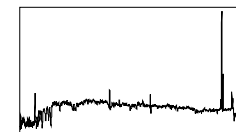
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0044.TXCVn	10	12:54	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0045.TXCVn	30	12:54	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0046.COMP	5	12:55	12:44:42.0	+36:45:48	300	90	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:25	12:44:42.0	+36:45:48	300	90	3.0	0 Calibration	2	
0011-0025.FLAT	7	00:30	12:44:42.0	+36:45:48	300	90	3.0	0 Calibration	2	
0026.EGAnd	1	01:25	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0027.EGAnd	5	01:25	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0028.EGAnd	10	01:26	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0029.COMP	5	01:26	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0030.AXPer	4	01:28	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0031.AXPer	30	01:29	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0032.AXPer	90	01:30	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0033.COMP	5	01:32	01:36:23.0	+54:15:03	300	90	3.0	0 Calibration	2	
0034.BDp174708	100	01:36	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0035.COMP	5	01:38	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0036.Feige110	180	01:40	23:19:58.4	-05:09:56	300	90	3.0	#56 Spectropho	2	
0037.COMP	5	01:44	23:19:58.4	-05:09:56	300	90	3.0	0 Calibration	2	
0038.BLLac	600	01:47	22:02:43.3	+42:16:40	300	90	3.0	#2 SN Observat	2	
0039.COMP	5	01:57	22:02:43.3	+42:16:40	300	86	3.0	0 Calibration	2	
0040.sn2013fw	1200	02:01	21:13:44.8	+13:34:33	300	75	3.0	#2 SN Observat	2	
0041.COMP	5	02:21	21:13:44.8	+13:34:33	300	75	3.0	0 Calibration	2	
0042.Kenfill120	1500	02:28	23:10:24.0	+07:27:35	300	88	3.0	#210 Brightest	2	
0043.COMP	5	02:54	23:10:24.0	+07:27:35	300	88	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.Kenfill121	1500	02:56	23:09:15.0	+08:07:20	300	88	3.0	#210 Brightest	2	
0045.COMP	5	03:22	23:09:15.0	+08:07:20	300	89	3.0	0 Calibration	2	
0046.Kenfill122	1500	03:24	23:11:26.9	+07:14:00	300	89	3.0	#210 Brightest	2	
0047.COMP	5	03:49	23:11:26.9	+07:14:00	300	88	3.0	0 Calibration	2	
0048.snptf13ebh	1000	03:53	02:22:00.0	+33:16:14	300	88	3.0	#2 SN Observat	2	
0049.COMP	5	04:10	02:22:00.0	+33:16:14	300	87	3.0	0 Calibration	2	
0050-0059.BIAS	0	04:21	02:22:00.0	+33:16:14	600	87	1.5	0 Calibration	4	
0060-0074.FLAT	12	04:27	02:22:00.0	+33:16:14	600	87	1.5	0 Calibration	4	
0075.lamost036	900	04:30	01:57:14.5	+58:44:34	600	87	1.5	#178 Low Mass	4	
0076.COMP	10	04:46	01:57:14.5	+58:44:34	600	86	1.5	0 Calibration	4	
0077.lamost030	900	04:48	02:09:46.9	+58:32:04	600	86	1.5	#178 Low Mass	4	
0078.COMP	10	05:04	02:09:46.9	+58:32:04	600	87	1.5	0 Calibration	4	
0079.lamost031	900	05:05	02:12:23.3	+58:28:01	600	87	1.5	#178 Low Mass	4	
0080.COMP	10	05:21	02:12:23.3	+58:28:01	600	88	1.5	0 Calibration	4	
0081.lamost027	600	05:23	02:14:43.3	+56:22:54	600	88	1.5	#178 Low Mass	4	
0082.COMP	10	05:33	02:14:43.3	+56:22:54	600	88	1.5	0 Calibration	4	
0083.lamost059	600	05:35	02:39:37.1	+53:19:57	600	88	1.5	#178 Low Mass	4	
0084.COMP	10	05:47	02:39:37.1	+53:19:57	600	88	1.5	0 Calibration	4	
0085.lamost060	600	05:48	02:41:34.5	+55:37:53	600	88	1.5	#178 Low Mass	4	
0086.COMP	10	05:59	02:41:34.5	+55:37:53	600	88	1.5	0 Calibration	4	

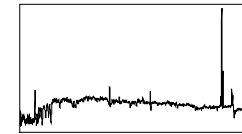
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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.COMP	5	06:04	02:41:34.5	+55:37:53	600	88	1.5	0 Calibration	4	
0088.COMP	5	06:06	02:41:34.5	+55:37:53	600	88	1.5	0 Calibration	4	
0089.COMP	5	06:07	02:41:34.5	+55:37:53	600	88	1.5	0 Calibration	4	
0090-0099.BIAS	0	06:10	02:41:34.5	+55:37:53	600	88	1.5	0 Calibration	2	
0100-0114.FLAT	7	06:15	02:41:34.5	+55:37:53	600	88	1.5	0 Calibration	2	
0115.Kenfill1016	1200	06:21	03:37:38.8	+10:11:33	300	88	3.0	#210 Brightest	2	
0116.COMP	5	06:41	03:37:38.8	+10:11:33	300	89	3.0	0 Calibration	2	
0117.psnJ0342m0443	1800	06:43	03:42:16.9	-04:43:19	300	88	3.0	#2 SN Observat	2	
0118.COMP	5	07:18	03:42:16.9	-04:43:19	300	89	3.0	0 Calibration	2	
0119.GITau	240	07:26	04:33:34.0	+24:21:18	300	88	3.0	#12 Symbiotic	2	
0120.COMP	5	07:31	04:33:34.0	+24:21:18	300	88	3.0	0 Calibration	2	
0121.GKTau	240	07:32	04:33:34.5	+24:21:07	300	88	3.0	#12 Symbiotic	2	
0122.COMP	5	07:36	04:33:34.5	+24:21:07	300	89	3.0	0 Calibration	2	
0123.04473668+2603363	1800	07:42	04:47:36.7	+26:03:36	300	89	3.0	#141 2MASS Red	2	
0124.COMP	5	08:12	04:47:36.7	+26:03:36	300	88	3.0	0 Calibration	2	
0125.2013NJ	900	08:19	05:54:11.0	-04:09:00	300	88	3.0	#141 2MASS Red	2	
0126.COMP	5	08:34	05:54:11.0	-04:09:00	300	88	3.0	0 Calibration	2	
0127.2013NJ	900	08:37	05:54:11.0	-04:09:00	300	88	3.0	#141 2MASS Red	2	
0128.COMP	5	08:52	05:54:11.0	-04:09:00	300	88	3.0	0 Calibration	2	
0129.2013NJ	900	08:53	05:54:11.0	-04:09:00	300	88	3.0	#141 2MASS Red	2	

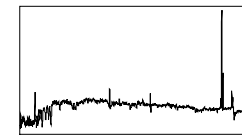


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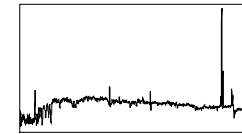
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0130.COMP	5	09:08	05:54:11.0	-04:09:00	300	88	3.0	0 Calibration	2	
0131.SA97-249	60	09:12	05:57:07.6	+00:01:12	300	88	3.0	#141 2MASS Red	2	
0132.SA97-249	60	09:13	05:57:07.6	+00:01:12	300	88	3.0	#141 2MASS Red	2	
0133.SA97-249	60	09:14	05:57:07.6	+00:01:12	300	88	3.0	#141 2MASS Red	2	
0134.COMP	5	09:16	05:57:07.6	+00:01:12	300	88	3.0	0 Calibration	2	
0135.04533493+2451242	1500	09:20	04:53:34.9	+24:51:24	300	50	3.0	#141 2MASS Red	2	
0136.COMP	5	09:45	04:53:34.9	+24:51:24	300	50	3.0	0 Calibration	2	
0137.04540672+2546178	1200	09:48	04:54:06.7	+25:46:18	300	89	3.0	#141 2MASS Red	2	
0138.COMP	5	10:08	04:54:06.7	+25:46:18	300	88	3.0	0 Calibration	2	
0139.04560731+2700446	1200	10:11	04:56:07.3	+27:00:45	300	88	3.0	#141 2MASS Red	2	
0140.COMP	5	10:31	04:56:07.3	+27:00:45	300	90	3.0	0 Calibration	2	
0141.sn2013gs	1200	10:35	09:31:08.9	+46:23:05	300	90	3.0	#2 SN Observat	2	
0142.COMP	5	10:56	09:31:08.9	+46:23:05	300	86	3.0	0 Calibration	2	
0143.sn2013ge	1000	11:03	10:34:48.5	+21:39:42	300	86	3.0	#2 SN Observat	2	
0144.COMP	5	11:21	10:34:48.5	+21:39:42	300	87	3.0	0 Calibration	2	
0145.DASCH_J0804+5316	200	11:23	08:04:09.1	+53:16:43	300	87	3.0	#192 DASCH Lon	2	
0146.COMP	5	11:26	08:04:09.1	+53:16:43	300	87	3.0	0 Calibration	2	
0147.A02243.1	1200	11:30	08:36:21.0	+50:40:47	300	87	3.0	#216 Local Com	2	
0148.COMP	5	11:50	08:36:21.0	+50:40:47	300	88	3.0	0 Calibration	2	
0149.A01891.1	1200	11:52	08:37:08.2	+55:40:51	300	88	3.0	#216 Local Com	2	

UT Date 2013-12-07 Observers G EsquerdoColl. Focus 1350 Grating/Grism 300

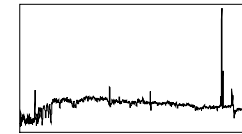
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0150.COMP	5	12:12	08:37:08.2	+55:40:51	300	88	3.0	0 Calibration	2	
0151.A00355.3	1200	12:14	08:40:05.4	+25:00:34	300	88	3.0	#216 Local Com	2	
0152.COMP	5	12:35	08:40:05.4	+25:00:34	300	89	3.0	0 Calibration	2	
0153.N3379	600	12:37	10:47:49.6	+12:34:54	300	89	3.0	#57 Velocity S	2	
0154.COMP	5	12:48	10:47:49.6	+12:34:54	300	88	3.0	0 Calibration	2	
0155.Feige34	180	12:50	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0156.COMP	5	12:53	10:39:36.7	+43:06:09	300	75	3.0	0 Calibration	2	
0157.HD84937	30	12:56	09:48:56.1	+13:44:39	300	75	3.0	#56 Spectropho	2	
0158.COMP	5	12:57	09:48:56.1	+13:44:39	300	75	3.0	0 Calibration	2	
0159-0164.DARK	900	14:32	09:48:56.1	+13:44:39	300	75	3.0	0 Calibration	2	

UT Date 2013-12-08 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:16	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0011.FLAT	15	01:17	21:50:00.0	+32:00:00	300	89	3.0	0 Calibration	2	1200-line, 2-sec, red
0012.FLAT	15	01:17	21:50:00.0	+32:00:00	300	89	3.0	0 Calibration	2	gg495
0013-0025.FLAT	15	01:23	21:50:00.0	+32:00:00	300	89	3.0	0 Calibration	2	
0026.COMP	10	01:25	21:50:00.0	+32:00:00	300	89	3.0	0 Calibration	2	
0027.BDp174708	90	01:31	22:11:31.5	+18:05:34	300	89	3.0	#176 Be/X-ray	2	
0028.COMP	10	01:34	22:11:31.5	+18:05:34	300	89	3.0	0 Calibration	2	
0029.SAXJ21035p4545	1502	01:35	21:03:35.7	+45:45:05	300	89	3.0	#176 Be/X-ray	2	
0030.COMP	10	02:00	21:03:35.7	+45:45:05	300	88	3.0	0 Calibration	2	
0031.SAXJ21035p4545	1500	02:01	21:03:35.7	+45:45:05	300	88	3.0	#176 Be/X-ray	2	
0032.COMP	10	02:27	21:03:35.7	+45:45:05	300	89	3.0	0 Calibration	2	
0033.IGRJ2134.2p4738	1800	02:28	21:34:20.4	+47:38:00	300	89	3.0	#176 Be/X-ray	2	
0034.COMP	10	02:58	21:34:20.4	+47:38:00	300	88	3.0	0 Calibration	2	
0035.4U2204p543	120	03:00	22:07:57.0	+54:31:06	300	88	3.0	#176 Be/X-ray	2	
0036.COMP	10	03:02	22:07:57.0	+54:31:06	300	88	3.0	0 Calibration	2	
0037.IGR2253p6243	1800	03:04	22:53:55.1	+62:43:37	300	88	3.0	#176 Be/X-ray	2	
0038.COMP	10	03:34	22:53:55.1	+62:43:37	300	88	3.0	0 Calibration	2	
0039.IGRJ01363p6610	720	03:36	01:35:49.8	+66:12:43	300	88	3.0	#176 Be/X-ray	2	
0040.COMP	10	03:48	01:35:49.8	+66:12:43	300	88	3.0	0 Calibration	2	
0041.RXJ01469p6121	240	03:49	01:47:00.0	+61:21:23	300	88	3.0	#176 Be/X-ray	2	

UT Date 2013-12-08 Observers P BerlindColl. Focus 1350 Grating/Grism 300

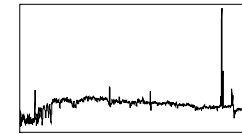
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0042.COMP	10	03:54	01:47:00.0	+61:21:23	300	88	3.0	0 Calibration	2	
0043.XPer	4	03:55	03:55:23.0	+31:02:45	300	88	3.0	#176 Be/X-ray	2	
0044.XPer	4	03:56	03:55:23.0	+31:02:45	300	88	3.0	#176 Be/X-ray	2	
0045.COMP	10	03:56	03:55:23.0	+31:02:45	300	88	3.0	0 Calibration	2	
0046.RXJ04409p4431	240	03:58	04:41:00.6	+44:31:50	300	88	3.0	#176 Be/X-ray	2	
0047.COMP	10	04:02	04:41:00.6	+44:31:50	300	88	3.0	0 Calibration	2	
0048.HD19445	30	04:03	03:08:26.3	+26:20:29	300	88	3.0	#176 Be/X-ray	2	
0049.COMP	10	04:04	03:08:26.3	+26:20:29	300	88	3.0	0 Calibration	2	
0050.FLAT	12	04:08	02:20:00.0	+32:00:00	600	88	1.5	0 Calibration	4	600-line, 1.5-sec, blue
0051-0059.FLAT	12	04:11	02:20:00.0	+32:00:00	600	88	1.5	0 Calibration	4	
0060.lamost091	600	04:14	02:44:03.2	+53:05:52	600	88	1.5	#178 Low Mass	4	
0061.COMP	10	04:25	02:44:03.2	+53:05:52	600	88	1.5	0 Calibration	4	
0062.lamost007	900	04:26	02:53:02.5	+55:28:15	600	88	1.5	#178 Low Mass	4	
0063.COMP	10	04:41	02:53:02.5	+55:28:15	600	88	1.5	0 Calibration	4	
0064.lamost043	1200	04:42	03:02:54.3	+54:12:40	600	88	1.5	#178 Low Mass	4	
0065.COMP	10	05:03	03:02:54.3	+54:12:40	600	89	1.5	0 Calibration	4	
0066.lamost040	1500	05:04	03:03:55.2	+52:02:16	600	89	1.5	#178 Low Mass	4	
0067.COMP	10	05:30	03:03:55.2	+52:02:16	600	88	1.5	0 Calibration	4	
0068.lamost039	1800	05:31	03:06:26.9	+50:23:06	600	88	1.5	#178 Low Mass	4	
0069.COMP	10	06:02	03:06:26.9	+50:23:06	600	89	1.5	0 Calibration	4	

UT Date 2013-12-08 Observers P BerlindColl. Focus 1350 Grating/Grism 300

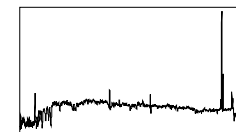
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.lamost109	1800	06:03	03:08:18.2	+51:40:12	600	89	1.5	#178 Low Mass	4	
0071.COMP	10	06:34	03:08:18.2	+51:40:12	600	88	1.5	0 Calibration	4	
0072.lamost041	1800	06:35	03:14:10.3	+51:55:50	600	88	1.5	#178 Low Mass	4	
0073.COMP	10	07:06	03:14:10.3	+51:55:50	600	87	1.5	0 Calibration	4	
0074.lamost025	900	07:07	03:41:50.9	+52:23:22	600	87	1.5	#178 Low Mass	4	
0075.COMP	10	07:23	03:41:50.9	+52:23:22	600	86	1.5	0 Calibration	4	
0076.lamost106	900	07:24	03:42:44.7	+51:24:22	600	86	1.5	#178 Low Mass	4	
0077.COMP	10	07:40	03:42:44.7	+51:24:22	600	86	1.5	0 Calibration	4	
0078.lamost020	1500	07:41	03:49:05.1	+52:36:11	600	86	1.5	#178 Low Mass	4	
0079.COMP	10	08:07	03:49:05.1	+52:36:11	600	88	1.5	0 Calibration	4	
0080.lamost024	1800	08:09	03:52:04.7	+50:57:38	600	88	1.5	#178 Low Mass	4	
0081.COMP	10	08:40	03:52:04.7	+50:57:38	600	88	1.5	0 Calibration	4	
0082.lamost038	1800	08:42	05:20:04.2	+29:50:08	600	88	1.5	#178 Low Mass	4	
0083.COMP	10	09:12	05:20:04.2	+29:50:08	600	88	1.5	0 Calibration	4	
0084.test	10	09:16	07:45:00.0	+32:00:00	300	88	3.0	#178 Low Mass	2	
0085.sn2013gs	1663	09:18	09:31:08.9	+46:23:05	300	88	3.0	#2 SN Observat	2	
0086.COMP	10	09:46	09:31:08.9	+46:23:05	300	88	3.0	0 Calibration	2	
0087-0096.BIAS	0	09:57	09:31:08.9	+46:23:05	300	88	3.0	0 Calibration	2	
0097-0111.FLAT	7	10:03	09:31:08.9	+46:23:05	300	88	3.0	0 Calibration	2	
0112-0116.DARK	900	11:08	09:31:08.9	+46:23:05	300	88	3.0	0 Calibration	2	

UT Date 2013-12-08 Observers P BerlindColl. Focus 1350 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0117-0121.DARK	900	12:25	09:31:08.9	+46:23:05	300	88	3.0	0 Calibration	4	

UT Date 2013-12-09 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:59	02:20:00.0	+32:00:00	300	88	3.0	0 Calibration	4	
0011-0020.BIAS	0	01:02	00:33:54.6	-12:07:59	300	88	3.0	0 Calibration	2	
0021-0035.FLAT	7	01:08	00:33:54.6	-12:07:59	300	88	3.0	0 Calibration	2	
0036.BDp174708	90	01:37	22:11:31.4	+18:05:34	300	88	3.0	#56 Spectropho	2	
0037.BDp174708	90	01:39	22:11:31.4	+18:05:34	300	88	3.0	#56 Spectropho	2	
0038.COMP	10	01:41	22:11:31.4	+18:05:34	300	88	3.0	0 Calibration	2	
0039.BDp284211	150	01:42	21:51:11.0	+28:51:50	300	88	3.0	#56 Spectropho	2	
0040.COMP	10	01:45	21:51:11.0	+28:51:50	300	88	3.0	0 Calibration	2	
0041.K4644922	150	01:47	19:15:12.1	+39:42:50	300	88	3.0	#192 DASCH Lon	2	
0042.K4644922	150	01:50	19:15:12.1	+39:42:50	300	88	3.0	#192 DASCH Lon	2	
0043.COMP	10	01:53	19:15:12.1	+39:42:50	300	88	3.0	0 Calibration	2	
0044.AS338	183	01:54	19:03:47.0	+16:26:17	300	88	3.0	#12 Symbiotic	2	fog
0045.COMP	10	02:01	19:23:53.0	+29:40:27	300	88	3.0	0 Calibration	2	

UT Date 2013-12-10 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	22:09	19:23:53.0	+29:40:27	300	88	3.0	0 Calibration	2	
0006-0010.DARK	900	23:26	19:23:53.0	+29:40:27	300	88	3.0	0 Calibration	4	
0011-0020.BIAS	0	00:38	19:23:53.0	+29:40:27	300	88	3.0	0 Calibration	4	
0021-0030.BIAS	0	00:41	19:23:53.0	+29:40:27	300	88	3.0	0 Calibration	2	
0031-0045.FLAT	7	00:47	19:23:53.0	+29:40:27	300	88	3.0	0 Calibration	2	
0046.CHCyg	2	01:08	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	
0047.CHCyg	6	01:09	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	
0048.CHCyg	20	01:09	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	
0049.COMP	10	01:10	19:24:33.0	+50:14:30	300	88	3.0	0 Calibration	2	
0050.CICyg	5	01:12	19:50:12.0	+35:41:02	300	88	3.0	#12 Symbiotic	2	
0051.CICyg	10	01:13	19:50:12.0	+35:41:02	300	88	3.0	#12 Symbiotic	2	
0052.CICyg	60	01:13	19:50:12.0	+35:41:02	300	88	3.0	#12 Symbiotic	2	
0053.COMP	10	01:15	19:50:12.0	+35:41:02	300	88	3.0	0 Calibration	2	
0054.PUVul	5	01:16	20:21:13.0	+21:34:21	300	88	3.0	#12 Symbiotic	2	
0055.PUVul	15	01:16	20:21:13.0	+21:34:21	300	88	3.0	#12 Symbiotic	2	
0056.PUVul	150	01:17	20:21:13.0	+21:34:21	300	88	3.0	#12 Symbiotic	2	
0057.COMP	10	01:20	20:21:13.0	+21:34:21	300	88	3.0	0 Calibration	2	
0058.BFCyg	30	01:21	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	
0059.BFCyg	10	01:22	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	
0060.BFCyg	90	01:23	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	



UT Date 2013-12-10 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0061.COMP	10	01:24	19:23:53.0	+29:40:27	300	88	3.0	0 Calibration	2	
0062.V443Her	10	01:25	18:22:07.0	+23:27:20	300	88	3.0	#12 Symbiotic	2	
0063.V443Her	30	01:26	18:22:07.0	+23:27:20	300	88	3.0	#12 Symbiotic	2	
0064.V443Her	120	01:27	18:22:07.0	+23:27:20	300	88	3.0	#12 Symbiotic	2	
0065.COMP	10	01:29	18:22:07.0	+23:27:20	300	88	3.0	0 Calibration	2	
0066.AS338	120	01:30	19:03:47.0	+16:26:17	300	88	3.0	#12 Symbiotic	2	
0067.AS338	720	01:33	19:03:47.0	+16:26:17	300	89	3.0	#12 Symbiotic	2	
0068.COMP	10	01:45	19:03:47.0	+16:26:17	300	89	3.0	0 Calibration	2	
0069.DASCH_J1924+2621	60	01:46	19:24:33.1	+26:21:44	300	89	3.0	#192 DASCH Lon	2	
0070.DASCH_J1924+2621	60	01:47	19:24:33.1	+26:21:44	300	89	3.0	#192 DASCH Lon	2	
0071.COMP	10	01:49	19:24:33.1	+26:21:44	300	89	3.0	0 Calibration	2	
0072.AS360	90	01:50	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0073.AS360	720	01:52	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0074.COMP	10	02:04	19:45:49.0	+18:36:49	300	89	3.0	0 Calibration	2	
0075.DASCH_J1943+4140	120	02:06	19:43:28.7	+41:40:07	300	89	3.0	#192 DASCH Lon	2	
0076.DASCH_J1943+4140	120	02:08	19:43:28.7	+41:40:07	300	89	3.0	#192 DASCH Lon	2	
0077.COMP	10	02:10	19:43:28.7	+41:40:07	300	89	3.0	0 Calibration	2	
0078.DASCH_J2021+3218	20	02:12	20:21:33.1	+32:18:51	300	89	3.0	#192 DASCH Lon	2	
0079.DASCH_J2021+3218	20	02:12	20:21:33.1	+32:18:51	300	89	3.0	#192 DASCH Lon	2	
0080.COMP	10	02:13	20:21:33.1	+32:18:51	300	89	3.0	0 Calibration	2	

UT Date 2013-12-10 Observers P BerlindColl. Focus 1350 Grating/Grism 300

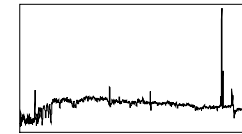
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0081.DASCH_J2123+4115	40	02:14	21:23:26.5	+41:15:59	300	89	3.0	#192 DASCH Lon	2	
0082.DASCH_J2123+4115	40	02:15	21:23:26.5	+41:15:59	300	89	3.0	#192 DASCH Lon	2	
0083.COMP	10	02:16	21:23:26.5	+41:15:59	300	89	3.0	0 Calibration	2	
0084.BDp284211	180	02:18	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0085.COMP	10	02:21	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0086.BDp174708	120	02:23	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0087.COMP	10	02:25	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0088.RAqr	5	02:27	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0089.RAqr	15	02:27	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0090.RAqr	45	02:28	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0091.RAqr	90	02:29	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0092.COMP	10	02:32	23:43:49.0	-15:17:05	300	89	3.0	0 Calibration	2	
0093.ZAnd	30	02:34	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0094.ZAnd	10	02:35	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0095.ZAnd	5	02:36	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0096.ZAnd	60	02:37	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0097.COMP	10	02:39	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0098.snptf13ebh	1800	02:46	02:22:00.0	+33:16:14	300	89	3.0	#2 SN Observat	2	
0099.COMP	10	03:17	02:22:00.0	+33:16:14	300	87	3.0	0 Calibration	2	
0100.sn2013gy	1800	05:10	03:42:16.9	-04:43:19	300	87	3.0	#2 SN Observat	2	

UT Date 2013-12-10 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0101.COMP	10	05:41	03:42:16.9	-04:43:19	300	87	3.0	0 Calibration	2	
0102.BGGem	360	05:48	06:03:31.0	+27:41:50	300	85	3.0	#12 Symbiotic	2	
0103.COMP	10	05:55	06:03:31.0	+27:41:50	300	83	3.0	0 Calibration	2	
0104.COMP	10	05:59	05:56:12.4	+30:26:30	600	83	1.5	0 Calibration	4	
0105.lamost081	900	06:00	05:56:12.4	+30:26:30	600	83	1.5	#178 Low Mass	4	
0106.COMP	10	06:15	05:56:12.4	+30:26:30	600	87	1.5	0 Calibration	4	
0107.lamost083	900	06:16	05:57:18.4	+29:35:58	600	87	1.5	#178 Low Mass	4	
0108.COMP	10	06:32	05:57:18.4	+29:35:58	600	88	1.5	0 Calibration	4	
0109.lamost045	900	06:33	05:57:50.3	+26:22:27	600	88	1.5	#178 Low Mass	4	
0110.COMP	10	06:48	05:57:50.3	+26:22:27	600	88	1.5	0 Calibration	4	
0111.lamost082	900	06:49	05:59:05.7	+29:31:33	600	88	1.5	#178 Low Mass	4	
0112.COMP	10	07:04	05:59:05.7	+29:31:33	600	88	1.5	0 Calibration	4	
0113.lamost071	1200	07:05	06:00:56.8	+28:37:15	600	88	1.5	#178 Low Mass	4	
0114.COMP	10	07:26	06:00:56.8	+28:37:15	600	88	1.5	0 Calibration	4	
0115.lamost077	1200	07:27	06:01:07.8	+28:40:58	600	88	1.5	#178 Low Mass	4	
0116.COMP	10	07:47	06:01:07.8	+28:40:58	600	88	1.5	0 Calibration	4	
0117.lamost070	1200	07:48	06:04:40.7	+27:59:55	600	88	1.5	#178 Low Mass	4	
0118.COMP	10	08:09	06:04:40.7	+27:59:55	600	84	1.5	0 Calibration	4	
0119.lamost147	150	08:10	06:32:14.2	+04:56:27	600	84	1.5	#178 Low Mass	4	
0120.COMP	10	08:13	06:32:14.2	+04:56:27	600	89	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0121.lamost152	300	08:14	06:39:37.5	+02:28:46	600	89	1.5	#178 Low Mass	4	
0122.COMP	10	08:19	06:39:37.5	+02:28:46	600	89	1.5	0 Calibration	4	
0123.lamost133	240	08:21	06:46:20.8	+07:42:48	600	89	1.5	#178 Low Mass	4	
0124.COMP	10	08:25	06:46:20.8	+07:42:48	600	89	1.5	0 Calibration	4	
0125.lamost131	240	08:26	06:47:55.2	+11:34:05	600	89	1.5	#178 Low Mass	4	
0126.COMP	10	08:30	06:47:55.2	+11:34:05	600	89	1.5	0 Calibration	4	
0127.lamost165	660	08:32	06:35:04.1	+43:45:59	600	87	1.5	#178 Low Mass	4	
0128.COMP	10	08:43	06:35:04.1	+43:45:59	600	87	1.5	0 Calibration	4	
0129.lamost164	90	08:44	06:47:19.9	+43:25:43	600	87	1.5	#178 Low Mass	4	
0130.COMP	10	08:46	06:47:19.9	+43:25:43	600	87	1.5	0 Calibration	4	
0131.lamost062	1200	08:47	07:15:40.3	+27:30:56	600	87	1.5	#178 Low Mass	4	
0132.COMP	10	09:08	07:15:40.3	+27:30:56	600	86	1.5	0 Calibration	4	
0133.G1912B	300	09:10	05:05:30.6	+52:49:57	600	86	1.5	#178 Low Mass	4	
0134.COMP	10	09:15	05:05:30.6	+52:49:57	600	88	1.5	0 Calibration	4	
0135-0144.FLAT	12	09:19	05:05:30.6	+52:49:57	600	88	1.5	0 Calibration	4	
0145.test	10	09:22	08:00:00.0	+32:00:00	300	88	3.0	#178 Low Mass	2	
0146.test	10	09:23	08:00:00.0	+32:00:00	300	88	3.0	#178 Low Mass	2	
0147.sn2013gs	1800	09:25	09:31:08.9	+46:23:05	300	88	3.0	#2 SN Observat	2	
0148.COMP	10	09:56	09:31:08.9	+46:23:05	300	85	3.0	0 Calibration	2	
0149.sn2013ge	1800	09:57	10:34:48.5	+21:39:42	300	85	3.0	#2 SN Observat	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0150.COMP	10	10:28	10:34:48.5	+21:39:42	300	88	3.0	0 Calibration	2	
0151.Feige34	180	10:33	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0152.COMP	10	10:37	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0153-0162.BIAS	0	10:41	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0163-0177.FLAT	7	10:47	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	