

UT Date 2012-03-13 Observers P BerlindColl. Focus 1340 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	23:19	02:49:59.0	+27:15:39	300	90	3.0	#57 Velocity S	2	
0002.COMP	5	23:20	02:49:59.0	+27:15:39	300	90	3.0	#57 Velocity S	2	
0003.BIAS	0	23:50	02:49:59.0	+27:15:39	300	90	3.0	#57 Velocity S	2	start of FAST run
0004-0012.BIAS	0	23:51	02:49:59.0	+27:15:39	300	90	3.0	#57 Velocity S	2	
0013-0027.FLAT	7	23:57	02:49:59.0	+27:15:39	300	90	3.0	#57 Velocity S	2	
0028-0030.DARK	1200	00:39	02:49:59.0	+27:15:39	300	90	3.0	#57 Velocity S	2	
0031.Hiltner600	90	02:18	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0032.Hiltner600	90	02:20	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0033.COMP	10	02:23	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0034.NGC1700	300	02:24	04:56:56.3	-04:51:57	300	90	3.0	#57 Velocity S	2	
0035.COMP	10	02:30	04:56:56.3	-04:51:57	300	90	3.0	#57 Velocity S	2	
0036.sn2012ap	1800	02:34	05:00:13.7	-03:20:51	300	90	3.0	#2 SN Observat	2	
0037.COMP	10	03:04	05:00:13.7	-03:20:51	300	90	3.0	#2 SN Observat	2	
0038.N233012397	900	03:08	09:53:10.0	+33:53:53	300	90	3.0	#192 DASCH Lon	2	
0039.COMP	10	03:24	09:53:10.0	+33:53:53	300	90	3.0	#192 DASCH Lon	2	
0040.test	10	03:27	08:30:00.0	+32:00:00	300	90	2.0	#192 DASCH Lon	2	
0041.test	10	03:29	08:30:00.0	+32:00:00	300	90	2.0	#192 DASCH Lon	2	
0042.test	10	03:30	08:30:00.0	+32:00:00	300	90	2.0	#192 DASCH Lon	2	
0043.test	10	03:31	08:30:00.0	+32:00:00	300	90	2.0	#192 DASCH Lon	2	
0044.test	10	03:32	08:30:00.0	+32:00:00	300	90	2.0	#192 DASCH Lon	2	

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0045.SDSSJ0928+6025	1800	03:34	09:28:38.0	+60:25:21	300	90	2.0	#208 Binary Ma	2	gg495, red tilt
0046.COMP	10	04:05	09:28:38.0	+60:25:21	300	90	2.0	#208 Binary Ma	2	
0047.SDSSJ0928+6025	1800	04:05	09:28:38.0	+60:25:21	300	90	2.0	#208 Binary Ma	2	
0048.COMP	10	04:36	09:28:38.0	+60:25:21	300	90	2.0	#208 Binary Ma	2	
0049.SDSSJ0928+6025	1800	04:36	09:28:38.0	+60:25:21	300	90	2.0	#208 Binary Ma	2	
0050.COMP	10	05:07	09:28:38.0	+60:25:21	300	90	2.0	#208 Binary Ma	2	
0051.HD84937	30	05:09	09:48:56.1	+13:44:39	300	90	2.0	#208 Binary Ma	2	
0052.HD84937	30	05:10	09:48:56.1	+13:44:39	300	90	2.0	#208 Binary Ma	2	
0053.HD84937	30	05:11	09:48:56.1	+13:44:39	300	90	2.0	#208 Binary Ma	2	
0054.COMP	10	05:11	09:48:56.1	+13:44:39	300	90	2.0	#208 Binary Ma	2	
0055.SDSSJ1220+0641	1800	05:14	12:20:18.4	+06:41:20	300	90	2.0	#208 Binary Ma	2	
0056.COMP	10	05:44	12:20:18.4	+06:41:20	300	90	2.0	#208 Binary Ma	2	
0057.SDSSJ1220+0641	1800	05:45	12:20:18.4	+06:41:20	300	90	2.0	#208 Binary Ma	2	
0058.COMP	10	06:15	12:20:18.4	+06:41:20	300	90	2.0	#208 Binary Ma	2	
0059.SDSSJ1220+0641	1800	06:16	12:20:18.4	+06:41:20	300	90	2.0	#208 Binary Ma	2	
0060.COMP	10	06:46	12:20:18.4	+06:41:20	300	90	2.0	#208 Binary Ma	2	
0064-0078.FLAT	8	06:54	12:20:18.4	+06:41:20	300	90	2.0	#208 Binary Ma	2	
0079.test	10	06:58	12:00:00.0	+32:00:00	300	90	3.0	#208 Binary Ma	2	
0080.test	10	06:59	12:00:00.0	+32:00:00	300	90	3.0	#208 Binary Ma	2	
0081.test	10	07:00	12:00:00.0	+32:00:00	300	90	3.0	#208 Binary Ma	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0082.Feige34	180	07:02	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0083.COMP	10	07:06	10:39:36.7	+43:06:09	300	91	3.0	#56 Spectropho	2	
0084.HD84937	20	07:07	09:48:56.1	+13:44:39	300	91	3.0	#56 Spectropho	2	
0085.HD84937	20	07:08	09:48:56.1	+13:44:39	300	91	3.0	#56 Spectropho	2	
0086.HD84937	20	07:08	09:48:56.1	+13:44:39	300	91	3.0	#56 Spectropho	2	
0087.COMP	10	07:09	09:48:56.1	+13:44:39	300	91	3.0	#56 Spectropho	2	
0088.sn2012A	1200	07:11	10:25:07.4	+17:09:15	300	91	3.0	#2 SN Observat	2	
0089.COMP	10	07:32	10:25:07.4	+17:09:15	300	91	3.0	#2 SN Observat	2	
0090.XID-2094	360	07:53	10:02:37.0	+01:38:12	300	90	3.0	#99 Other N. W	2	Nick Wright
0091.COMP	10	08:00	10:02:37.0	+01:38:12	300	90	3.0	#99 Other N. W	2	
0092.XID-5451	360	08:05	10:03:25.3	+02:13:25	300	90	3.0	#99 Other N. W	2	
0093.COMP	10	08:11	10:03:25.3	+02:13:25	300	90	3.0	#99 Other N. W	2	
0094.XID-53409	30	08:15	10:03:21.7	+02:03:27	300	90	3.0	#99 Other N. W	2	
0095.XID-53409SE	300	08:18	10:03:21.7	+02:03:27	300	90	3.0	#99 Other N. W	2	
0096.COMP	10	08:23	10:03:21.7	+02:03:27	300	89	3.0	#99 Other N. W	2	
0097.XID-5586	1500	08:28	10:03:12.0	+02:36:24	300	89	3.0	#99 Other N. W	2	
0098.COMP	10	08:53	10:03:12.0	+02:36:24	300	91	3.0	#99 Other N. W	2	
0099.sn2011jh	1800	08:56	12:47:14.4	-10:03:47	300	91	3.0	#2 SN Observat	2	
0100.COMP	10	09:26	12:47:14.4	-10:03:47	300	91	3.0	#2 SN Observat	2	
0101.sn2011iy	1500	09:29	13:08:58.4	-15:31:04	300	91	3.0	#2 SN Observat	2	

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0102.COMP	10	09:54	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	2	
0103.BIAS	0	09:57	13:55:12.3	+19:56:45	600	90	1.5	#178 Merging W	4	
0104.COMP	10	09:58	13:55:12.3	+19:56:45	600	90	1.5	#178 Merging W	4	
0106.lmwd541	840	10:00	13:55:12.3	+19:56:45	600	90	1.5	#178 Merging W	4	
0107.COMP	10	10:14	13:55:12.3	+19:56:45	600	89	1.5	#178 Merging W	4	
0108.lmwd054	900	10:16	13:51:07.9	-02:11:34	600	89	1.5	#178 Merging W	4	
0109.COMP	10	10:32	13:51:07.9	-02:11:34	600	89	1.5	#178 Merging W	4	
0110.lmwd054	900	10:33	13:51:07.9	-02:11:34	600	89	1.5	#178 Merging W	4	
0111.COMP	10	10:48	13:51:07.9	-02:11:34	600	90	1.5	#178 Merging W	4	
0112.lmwd065	970	10:50	16:14:31.3	+19:12:19	600	90	1.5	#178 Merging W	4	
0113.COMP	10	11:06	16:14:31.3	+19:12:19	600	90	1.5	#178 Merging W	4	
0114.lmwd065	970	11:07	16:14:31.3	+19:12:19	600	90	1.5	#178 Merging W	4	
0115.COMP	10	11:24	16:14:31.3	+19:12:19	600	90	1.5	#178 Merging W	4	
0116.lmwd544	660	11:25	15:14:48.9	+30:48:03	600	90	1.5	#178 Merging W	4	
0117.COMP	10	11:37	15:14:48.9	+30:48:03	600	90	1.5	#178 Merging W	4	
0118.lmwd548	1100	11:39	16:30:13.1	+77:20:28	600	90	1.5	#178 Merging W	4	
0119.COMP	10	11:58	16:30:13.1	+77:20:28	600	89	1.5	#178 Merging W	4	
0120.lmwd553	500	11:59	17:51:42.0	+53:28:03	600	89	1.5	#178 Merging W	4	
0121.COMP	10	12:08	17:51:42.0	+53:28:03	600	90	1.5	#178 Merging W	4	
0122.BDp332642	120	12:09	15:51:59.9	+32:56:54	600	90	1.5	#178 Merging W	4	

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0123.COMP	10	12:12	15:51:59.9	+32:56:54	600	90	1.5	#178 Merging W	4	
0124-0133.FLAT	12	12:16	15:51:59.9	+32:56:54	600	90	1.5	#178 Merging W	4	
0134.test	10	12:19	17:00:00.0	+32:00:00	300	90	3.0	#178 Merging W	2	
0135.test	10	12:20	17:00:00.0	+32:00:00	300	90	3.0	#178 Merging W	2	
0136.test	10	12:21	17:00:00.0	+32:00:00	300	90	3.0	#178 Merging W	2	
0137.CHCyg	10	12:22	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0138.CHCyg	5	12:23	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0139.CHCyg	1	12:24	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0140.CHCyg	2	12:24	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0142.CHCyg	15	12:26	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0143.COMP	10	12:27	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0144.CICyg	2	12:29	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0145.CICyg	5	12:29	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0146.CICyg	30	12:29	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0147.COMP	10	12:30	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0148.PUVul	5	12:32	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0149.PUVul	30	12:32	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0150.PUVul	45	12:33	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0151.COMP	10	12:34	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0152.BFCyg	15	12:36	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	

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0153.BFCyg	45	12:36	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0154.BFCyg	10	12:37	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0155.COMP	10	12:38	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0156.BDp332642	120	12:40	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0157.COMP	10	12:42	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0158-0167.BIAS	0	12:45	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0168-0182.FLAT	7	12:51	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0183-0187.BIAS	0	12:52	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	4	
0188-0192.DARK	1200	14:15	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	21:42	03:30:00.0	+32:00:00	300	90	3.0	#196 Astron 10	2	
0011-0025.FLAT	7	21:48	03:30:00.0	+32:00:00	300	90	3.0	#196 Astron 10	2	
0026.test	5	03:27	07:45:19.4	+28:01:35	300	90	3.0	#196 Astron 10	2	
0027.COMP	10	03:31	07:45:19.4	+28:01:35	300	90	3.0	#196 Astron 10	2	
0028.test	1	03:34	07:45:19.4	+28:01:35	300	90	3.0	#196 Astron 10	2	
0029.sn2012ap	1	04:12	05:00:13.7	-03:20:51	300	90	3.0	#2 SN Observat	2	
0030.sn2012A	1200	04:16	10:25:07.4	+17:09:15	300	90	3.0	#2 SN Observat	2	
0030.sn2012ap	1200	04:16	10:25:07.4	+17:09:15	300	90	3.0	#2 SN Observat	2	
0031.COMP	10	04:41	10:25:07.4	+17:09:15	300	90	3.0	#196 Astron 10	2	
0032.NGC3198	1200	04:55	10:19:54.9	+45:32:59	300	42	3.0	#196 Astron 10	2	
0033.COMP	10	05:16	10:19:54.9	+45:32:59	300	42	3.0	#196 Astron 10	2	
0034.feige34	120	05:27	10:39:36.7	+43:06:09	300	90	3.0	#196 Astron 10	2	
0035.feige34	300	05:31	10:39:36.7	+43:06:09	300	90	3.0	#196 Astron 10	2	
0036.HD84937	20	05:43	09:48:56.1	+13:44:39	300	90	3.0	#196 Astron 10	2	
0037.COMP	10	05:47	09:48:56.1	+13:44:39	300	90	3.0	#196 Astron 10	2	
0038.M82	1200	05:55	09:55:52.7	+69:40:46	300	67	3.0	#196 Astron 10	2	
0039.COMP	10	06:21	09:55:52.7	+69:40:46	300	67	3.0	#196 Astron 10	2	
0040.M82	1800	06:29	09:55:52.7	+69:40:46	300	-27	3.0	#196 Astron 10	2	
0041.COMP	10	07:01	09:55:52.7	+69:40:46	300	-27	3.0	#196 Astron 10	2	
0042.PSN1516	1200	07:17	15:16:42.0	+55:25:01	300	89	3.0	#196 Astron 10	2	

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0043.HAT-P-36	300	07:50	12:33:04.0	+44:54:55	300	89	3.0	#196 Astron 10	2	
0044.COMP	10	07:59	12:33:04.0	+44:54:55	300	89	3.0	#196 Astron 10	2	
0045.SN2011jm	1200	08:05	12:54:51.1	+02:39:15	300	89	3.0	#196 Astron 10	2	
0046.COMP	10	08:27	12:54:51.1	+02:39:15	300	90	3.0	#196 Astron 10	2	
0047.SN2011fe	1200	08:35	14:03:05.8	+54:16:25	300	90	3.0	#196 Astron 10	2	
0048.COMP	10	08:58	14:03:05.8	+54:16:25	300	90	3.0	#196 Astron 10	2	
0049.HAT-P-21	300	09:08	11:25:06.0	+41:01:40	300	90	3.0	#196 Astron 10	2	
0050.COMP	10	09:19	11:25:06.0	+41:01:40	300	90	3.0	#196 Astron 10	2	
0051.SN2012p	1200	09:24	14:59:59.0	+01:53:25	300	91	3.0	#2 SN Observat	2	
0052.SN2012p	1200	09:47	14:59:59.0	+01:53:25	300	91	3.0	#2 SN Observat	2	
0053.COMP	10	10:09	14:59:59.0	+01:53:25	300	91	3.0	#196 Astron 10	2	
0054.saturn	1	10:15	13:49:00.0	-08:23:00	300	91	3.0	#196 Astron 10	2	
0055.saturn	0	10:16	13:49:00.0	-08:23:00	300	91	3.0	#196 Astron 10	2	
0056.saturn	0	10:17	13:49:00.0	-08:23:00	300	91	3.0	#196 Astron 10	2	
0057.saturn	0	10:19	13:49:00.0	-08:23:00	300	21	3.0	#196 Astron 10	2	
0058.COMP	10	10:21	13:49:00.0	-08:23:00	300	21	3.0	#196 Astron 10	2	
0059.COMP	10	10:23	13:49:00.0	-08:23:00	300	90	3.0	#196 Astron 10	2	
0060.titan_test	1	10:44	13:49:35.0	-08:22:20	300	90	3.0	#196 Astron 10	2	
0061.titan_test	1	10:46	13:49:35.0	-08:22:20	300	90	3.0	#196 Astron 10	2	
0062.titan_test	1	10:47	13:49:35.0	-08:22:20	300	90	3.0	#196 Astron 10	2	



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0063.titan	5	10:53	13:49:35.0	-08:22:20	300	90	3.0	#196 Astron 10	2	
0064.titan	5	10:53	13:49:35.0	-08:22:20	300	90	3.0	#196 Astron 10	2	
0065.COMP	10	10:55	13:49:35.0	-08:22:20	300	90	3.0	#196 Astron 10	2	
0066.M57	120	11:01	18:53:35.1	+33:01:45	300	90	3.0	#196 Astron 10	2	
0067.M57	240	11:12	18:53:35.1	+33:01:45	300	90	3.0	#196 Astron 10	2	
0068.COMP	10	11:20	18:53:35.1	+33:01:45	300	90	3.0	#196 Astron 10	2	
0069.HD126327.M8III	10	11:43	14:24:11.0	+25:42:15	300	90	3.0	#196 Astron 10	2	
0070.COMP	10	11:58	14:24:11.0	+25:42:15	300	90	3.0	#196 Astron 10	2	
0071.SBS1425P606	900	12:04	14:26:56.0	+60:25:51	300	90	3.0	#196 Astron 10	2	
0072.COMP	10	12:21	14:26:56.0	+60:25:51	300	90	3.0	#196 Astron 10	2	

UT Date 2012-03-15 Observers A.Soderberg, AS100Coll. Focus 1335 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:25	14:26:56.0	+60:25:51	300	92	3.0	#196 Astron 10	2	
0011-0025.FLAT	7	01:31	14:26:56.0	+60:25:51	300	92	3.0	#196 Astron 10	2	
0026.testref	1	02:13	06:22:57.6	+22:30:50	300	92	3.0	#196 Astron 10	2	
0027.COMP	10	02:18	06:22:57.6	+22:30:50	300	92	3.0	#196 Astron 10	2	
0028.testref	1	02:22	06:22:57.6	+22:30:50	300	92	3.0	#196 Astron 10	2	
0029.SN2012ap	1200	02:29	05:00:13.7	-03:20:51	300	92	3.0	#2 SN Observat	2	
0030.COMP	10	02:54	05:00:13.7	-03:20:51	300	90	3.0	#196 Astron 10	2	
0031.NGC2346	900	03:04	07:09:22.8	-00:48:24	300	90	3.0	#196 Astron 10	2	
0032.NGC2346	900	03:46	07:09:22.8	-00:48:24	300	-6	3.0	#196 Astron 10	2	
0033.COMP	10	04:03	07:09:22.8	-00:48:24	300	-6	3.0	#196 Astron 10	2	
0034.SN2010JL	1200	04:26	09:42:53.3	+09:29:41	300	90	3.0	#2 SN Observat	2	
0035.COMP	10	04:50	09:42:53.3	+09:29:41	300	90	3.0	#196 Astron 10	2	
0036.NGC3044	1800	05:10	09:53:37.8	+01:35:43	300	-64	3.0	#196 Astron 10	2	
0037.NGC3044	1800	05:44	09:53:37.8	+01:35:43	300	-65	3.0	#196 Astron 10	2	
0038.COMP	10	06:14	09:53:37.8	+01:35:43	300	-65	3.0	#196 Astron 10	2	
0039.Feige34	120	06:31	10:39:36.7	+43:06:09	300	75	3.0	#196 Astron 10	2	
0040.COMP	10	06:33	10:39:36.7	+43:06:09	300	75	3.0	#196 Astron 10	2	
0041.HD84937	10	06:40	09:48:56.1	+13:44:39	300	75	3.0	#196 Astron 10	2	
0042.COMP	10	06:44	09:48:56.1	+13:44:39	300	75	3.0	#196 Astron 10	2	
0043.HD84937	10	06:46	09:48:56.1	+13:44:39	300	75	3.0	#196 Astron 10	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.NGC4790	600	06:50	12:54:52.2	-10:14:50	300	75	3.0	#196 Astron 10	2	
0045.M67_star1	30	07:57	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0046.COMP	10	08:00	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0047.M67_star2	30	08:04	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0048.COMP	10	08:06	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0049.M67_star3	30	08:10	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0050.COMP	10	08:11	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0051.M67_star4	30	08:14	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0052.COMP	10	08:16	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0053.M67_star5	60	08:18	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0054.M67_star5	120	08:20	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0055.M67_star5	120	08:23	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0056.COMP	10	08:26	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0057.M67_star6	120	08:28	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0058.COMP	10	08:32	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0059.M67_star7	120	08:34	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0060.COMP	10	08:37	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0061.M67_star8	240	08:41	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0062.M67_star8	600	08:46	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0063.COMP	10	08:58	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	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>
0064.M67_star9	600	09:00	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0065.COMP	10	09:13	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0066.M67_star10	600	09:14	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0067.COMP	10	09:25	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0068.M67_star11	150	09:28	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0069.COMP	10	09:32	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0070.M67_star12	720	09:35	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0071.COMP	10	09:50	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0072.M67_star13	150	09:54	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0073.COMP	10	09:58	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0074.M67_star14	600	09:59	08:51:24.0	+11:49:00	300	90	3.0	#196 Astron 10	2	
0075.BIAS	0	10:55	14:48:34.2	+31:33:54	300	89	3.0	#196 Astron 10	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	02:28	16:59:00.8	+31:31:55	300	90	3.0	#196 Astron 10	2	
0011-0025.FLAT	7	02:34	16:59:00.8	+31:31:55	300	90	3.0	#196 Astron 10	2	
0026.NGC3077	900	03:29	10:03:19.1	+68:44:02	300	90	3.0	#196 Astron 10	2	
0027.COMP	10	03:45	10:03:19.1	+68:44:02	300	91	3.0	#196 Astron 10	2	
0028.CRAB	1200	03:52	05:34:31.9	+22:00:52	300	91	3.0	#196 Astron 10	2	
0029.COMP	10	04:13	05:34:31.9	+22:00:52	300	91	3.0	#196 Astron 10	2	
0030.mystery	10	04:30	10:47:49.6	+12:34:54	300	89	3.0	#196 Astron 10	2	
0031.mystery	10	04:31	10:47:49.6	+12:34:54	300	89	3.0	#196 Astron 10	2	
0032.mystery	1	04:37	10:48:10.0	+11:50:08	300	89	3.0	#196 Astron 10	2	
0033.mystery	0	04:37	10:48:10.0	+11:50:08	300	89	3.0	#196 Astron 10	2	
0034.KC05C16902	10	04:50	08:47:54.2	+27:58:50	300	89	3.0	#196 Astron 10	2	
0035.KC05C16902	30	04:50	08:47:54.2	+27:58:50	300	89	3.0	#196 Astron 10	2	
0036.COMP	10	04:54	08:47:54.2	+27:58:50	300	89	3.0	#196 Astron 10	2	
0037.betelgeuse	1	05:00	05:55:10.3	+07:24:25	300	89	3.0	#196 Astron 10	2	
0038.betelgeuse	0	05:01	05:55:10.3	+07:24:25	300	89	3.0	#196 Astron 10	2	
0039.COMP	10	05:06	05:55:10.3	+07:24:25	300	89	3.0	#196 Astron 10	2	
0040.owl	1800	05:16	11:14:08.0	+55:01:00	300	89	3.0	#196 Astron 10	2	
0041.COMP	10	05:46	11:14:08.0	+55:01:00	300	89	3.0	#196 Astron 10	2	
0042.M64	300	05:50	12:56:43.7	+21:40:58	300	89	3.0	#196 Astron 10	2	
0043.COMP	10	05:57	12:56:43.7	+21:40:58	300	89	3.0	#196 Astron 10	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.M87	600	06:00	12:30:49.4	+12:23:28	300	89	3.0	#196 Astron 10	2	
0045.COMP	10	06:11	12:30:49.4	+12:23:28	300	89	3.0	#196 Astron 10	2	
0046.M49	600	06:14	12:29:48.0	+08:00:00	300	89	3.0	#196 Astron 10	2	
0047.COMP	10	06:25	12:29:48.0	+08:00:00	300	89	3.0	#196 Astron 10	2	
0048.M59	600	06:28	12:42:00.0	+11:39:00	300	89	3.0	#196 Astron 10	2	
0049.COMP	10	06:39	12:42:00.0	+11:39:00	300	89	3.0	#196 Astron 10	2	
0050.M60	600	06:46	12:43:42.0	+11:33:00	300	89	3.0	#196 Astron 10	2	
0051.COMP	10	06:57	12:43:42.0	+11:33:00	300	89	3.0	#196 Astron 10	2	
0052.NGC4790	600	07:07	12:54:52.2	-10:14:50	300	71	3.0	#196 Astron 10	2	
0053.COMP	10	07:18	12:54:52.2	-10:14:50	300	71	3.0	#196 Astron 10	2	
0054.MASTER	1200	07:25	13:44:33.7	+22:41:32	300	90	3.0	#196 Astron 10	2	
0055.COMP	10	07:45	13:44:33.7	+22:41:32	300	90	3.0	#196 Astron 10	2	
0056.Feige34	120	07:57	10:39:36.7	+43:06:09	300	90	3.0	#196 Astron 10	2	
0057.COMP	10	07:59	10:39:36.7	+43:06:09	300	90	3.0	#196 Astron 10	2	
0058.Hd84937	10	08:02	09:48:56.1	+13:44:39	300	90	3.0	#196 Astron 10	2	
0059.COMP	10	08:03	09:48:56.1	+13:44:39	300	90	3.0	#196 Astron 10	2	
0060.Master	600	08:21	13:44:33.7	+22:41:32	300	90	3.0	#196 Astron 10	2	
0061.COMP	10	08:33	13:44:33.7	+22:41:32	300	90	3.0	#196 Astron 10	2	
0062.Master	600	08:56	13:44:33.7	+22:41:32	300	90	3.0	#196 Astron 10	2	
0063.NGC4565	1200	09:45	12:36:20.8	+25:59:16	300	-46	3.0	#196 Astron 10	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>
0064.COMP	10	10:08	12:36:20.8	+25:59:16	300	-46	3.0	#196 Astron 10	2	
0065.NGC5908	900	10:37	15:16:42.0	+55:25:01	300	90	3.0	#196 Astron 10	2	
0066.COMP	10	10:52	15:16:42.0	+55:25:01	300	90	3.0	#196 Astron 10	2	
0067.CometGarrad	345	10:59	11:42:58.4	+69:34:35	300	90	3.0	#196 Astron 10	2	
0068.CometGarrad	600	11:05	11:42:58.4	+69:34:35	300	90	3.0	#196 Astron 10	2	
0069.COMP	10	11:16	11:42:58.4	+69:34:35	300	90	3.0	#196 Astron 10	2	
0070.catseye	600	11:58	17:58:45.4	+66:40:01	300	90	3.0	#196 Astron 10	2	
0071.COMP	10	12:08	17:58:45.4	+66:40:01	300	90	3.0	#196 Astron 10	2	
0072.dumbell_question_mark	193	12:20	19:59:36.0	+22:43:16	300	90	3.0	#196 Astron 10	2	
0073.COMP	10	12:24	19:59:36.0	+22:43:16	300	90	3.0	#196 Astron 10	2	
0074.CHCyg	1	12:29	19:24:33.0	+50:14:29	300	90	3.0	#12 Symbiotic	2	
0075.CHCyg	5	12:29	19:24:33.0	+50:14:29	300	90	3.0	#12 Symbiotic	2	
0076.CHCyg	15	12:30	19:24:33.0	+50:14:29	300	90	3.0	#12 Symbiotic	2	
0077.COMP	10	12:30	19:24:33.0	+50:14:29	300	90	3.0	#196 Astron 10	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	19:23	19:24:33.0	+50:14:29	300	89	3.0	#56 Spectropho	2	
0002.COMP	10	19:24	19:24:33.0	+50:14:29	300	89	3.0	#56 Spectropho	2	
0003.COMP	10	19:27	19:24:33.0	+50:14:29	300	89	3.0	#56 Spectropho	2	
0004.COMP	10	19:30	19:24:33.0	+50:14:29	300	89	3.0	#56 Spectropho	2	
0005.COMP	10	19:34	19:24:33.0	+50:14:29	300	89	3.0	#56 Spectropho	2	
0006.COMP	10	01:11	19:24:33.0	+50:14:29	300	89	3.0	#56 Spectropho	2	
0007.COMP	10	01:16	19:24:33.0	+50:14:29	300	89	3.0	#56 Spectropho	2	
0008-0009.DARK	900	01:39	19:24:33.0	+50:14:29	300	89	3.0	cal	2	
0010-0012.DARK	900	02:25	06:22:57.6	+22:30:50	300	89	3.0	#57 Velocity S	2	
0013-0022.BIAS	0	02:50	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0023.Feige34	180	02:51	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0024.Feige34	180	02:55	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0025.Feige34	180	03:03	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0026.COMP	10	03:06	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0027.HD84937	20	03:11	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0028.HD84937	20	03:11	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0029.COMP	10	03:12	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0030.N233012397	1200	03:23	09:53:10.0	+33:53:53	300	88	3.0	#192 DASCH Lon	2	
0031.COMP	10	03:44	09:53:10.0	+33:53:53	300	88	3.0	#192 DASCH Lon	2	
0032.N233012397	1200	03:53	09:53:10.0	+33:53:53	300	88	3.0	#192 DASCH Lon	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0033.COMP	10	04:13	09:53:10.0	+33:53:53	300	88	3.0	#192 DASCH Lon	2	
0034.N223201331	200	04:25	07:09:15.1	+22:17:39	300	88	3.0	#192 DASCH Lon	2	
0035.COMP	10	04:30	07:09:15.1	+22:17:39	300	89	3.0	#192 DASCH Lon	2	
0036.N223201331	200	04:31	07:09:15.1	+22:17:39	300	89	3.0	#192 DASCH Lon	2	
0037.N223201331	50	04:37	07:09:15.1	+22:17:39	300	89	3.0	#192 DASCH Lon	2	
0038.N223022063	20	04:51	07:17:24.5	+17:53:35	300	88	3.0	#192 DASCH Lon	2	
0039.N223022063	40	04:52	07:17:24.5	+17:53:35	300	88	3.0	#192 DASCH Lon	2	
0040.COMP	10	04:53	07:17:24.5	+17:53:35	300	88	3.0	#192 DASCH Lon	2	
0041.N223232191	10	04:55	07:23:44.3	+08:39:56	300	88	3.0	#192 DASCH Lon	2	
0042.N223232191	20	04:56	07:23:44.3	+08:39:56	300	88	3.0	#192 DASCH Lon	2	
0043.COMP	10	04:57	07:23:44.3	+08:39:56	300	88	3.0	#192 DASCH Lon	2	
0044.N223213016	20	05:00	07:24:19.1	+09:12:32	300	88	3.0	#192 DASCH Lon	2	
0045.N223213016	120	05:01	07:24:19.1	+09:12:32	300	88	3.0	#192 DASCH Lon	2	
0046.COMP	10	05:04	07:24:19.1	+09:12:32	300	88	3.0	#192 DASCH Lon	2	
0047.IC2217	1200	05:14	08:00:49.7	+27:30:00	300	88	3.0	#199 Optical n	2	
0048.IC2217	1200	05:35	08:00:49.7	+27:30:00	300	88	3.0	#199 Optical n	2	
0049.COMP	10	06:03	08:00:49.7	+27:30:00	300	88	3.0	#199 Optical n	2	
0050.IC2217	1200	06:05	08:00:49.7	+27:30:00	300	88	3.0	#199 Optical n	2	
0051.COMP	10	06:25	08:00:49.7	+27:30:00	300	89	3.0	#199 Optical n	2	
0052.NGC2512	600	06:38	08:03:07.9	+23:23:31	300	89	3.0	#199 Optical n	2	

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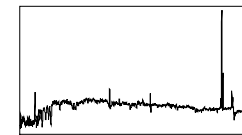
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0053.NGC2512	600	06:48	08:03:07.9	+23:23:31	300	89	3.0	#199 Optical n	2	
0054.NGC2512	600	06:58	08:03:07.9	+23:23:31	300	89	3.0	#199 Optical n	2	
0055.COMP	10	07:09	08:03:07.9	+23:23:31	300	88	3.0	#199 Optical n	2	
0056.NGC3274	600	07:12	10:32:17.2	+27:40:08	300	88	3.0	#199 Optical n	2	
0057.NGC3274	600	07:22	10:32:17.2	+27:40:08	300	88	3.0	#199 Optical n	2	
0058.NGC3274	600	07:32	10:32:17.2	+27:40:08	300	88	3.0	#199 Optical n	2	
0059.COMP	10	07:43	10:32:17.2	+27:40:08	300	89	3.0	#199 Optical n	2	
0060.MCG7-23-019	1200	07:51	11:03:54.3	+40:50:59	300	89	3.0	#199 Optical n	2	
0061.MCG7-23-019	1200	08:11	11:03:54.3	+40:50:59	300	89	3.0	#199 Optical n	2	
0062.MCG7-23-019	1200	08:31	11:03:54.3	+40:50:59	300	89	3.0	#199 Optical n	2	
0063.COMP	10	08:52	11:03:54.3	+40:50:59	300	89	3.0	#199 Optical n	2	
0064.NGC3758	600	08:55	11:36:28.9	+21:35:46	300	89	3.0	#199 Optical n	2	
0065.NGC3758	600	09:05	11:36:28.9	+21:35:46	300	89	3.0	#199 Optical n	2	
0066.NGC3758	600	09:15	11:36:28.9	+21:35:46	300	89	3.0	#199 Optical n	2	
0067.COMP	10	09:25	11:36:28.9	+21:35:46	300	88	3.0	#199 Optical n	2	
0068.UGC6583	600	09:28	11:36:54.3	+19:58:18	300	88	3.0	#199 Optical n	2	
0069.UGC6583	600	09:38	11:36:54.3	+19:58:18	300	88	3.0	#199 Optical n	2	
0070.UGC6583	600	09:48	11:36:54.3	+19:58:18	300	88	3.0	#199 Optical n	2	
0071.COMP	10	09:59	11:36:54.3	+19:58:18	300	89	3.0	#199 Optical n	2	
0072.UGC6625	600	10:00	11:39:47.5	+19:56:00	300	89	3.0	#199 Optical n	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0073.UGC6625	600	10:11	11:39:47.5	+19:56:00	300	89	3.0	#199 Optical n	2	
0074.UGC6625	600	10:21	11:39:47.5	+19:56:00	300	89	3.0	#199 Optical n	2	
0075.COMP	10	10:31	11:39:47.5	+19:56:00	300	89	3.0	#199 Optical n	2	
0076.star	600	10:42	13:37:18.7	+24:23:03	300	88	3.0	#199 Optical n	2	wrong object
0077.star	600	10:52	13:37:18.7	+24:23:03	300	88	3.0	#199 Optical n	2	
0078.COMP	10	11:03	13:37:18.7	+24:23:03	300	88	3.0	#199 Optical n	2	
0079.IRAS13349+2438	600	11:08	13:37:18.7	+24:23:03	300	88	3.0	#199 Optical n	2	no guide star
0080.IRAS13349+2438	600	11:18	13:37:18.7	+24:23:03	300	88	3.0	#199 Optical n	2	
0081.IRAS13349+2438	600	11:28	13:37:18.7	+24:23:03	300	88	3.0	#199 Optical n	2	
0082.COMP	10	11:39	13:37:18.7	+24:23:03	300	88	3.0	#199 Optical n	2	
0083.AS210	5	11:52	16:51:20.3	-26:00:33	300	88	3.0	#12 Symbiotic	2	
0084.AS210	300	11:52	16:51:20.3	-26:00:33	300	88	3.0	#12 Symbiotic	2	
0085.COMP	10	11:58	16:51:20.3	-26:00:33	300	88	3.0	#12 Symbiotic	2	
0086.BDp332642	120	12:02	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0087.COMP	10	12:04	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0088.BDp262606	60	12:06	14:49:02.4	+25:42:09	300	88	3.0	#56 Spectropho	2	
0089.COMP	10	12:08	14:49:02.4	+25:42:09	300	88	3.0	#56 Spectropho	2	
0090.CHCyg	1	12:10	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	
0091.CHCyg	5	12:10	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	
0092.CHCyg	30	12:11	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0093.COMP	10	12:12	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	
0094.YYHer	10	12:16	18:14:34.0	+20:59:19	300	88	3.0	#12 Symbiotic	2	
0095.YYHer	60	12:17	18:14:34.0	+20:59:19	300	88	3.0	#12 Symbiotic	2	
0096.COMP	10	12:18	18:14:34.0	+20:59:19	300	88	3.0	#12 Symbiotic	2	
0097.V443Her	5	12:21	18:22:07.0	+23:27:20	300	88	3.0	#12 Symbiotic	2	
0098.V443Her	45	12:21	18:22:07.0	+23:27:20	300	88	3.0	#12 Symbiotic	2	
0099.V443Her	90	12:22	18:22:07.0	+23:27:20	300	88	3.0	#12 Symbiotic	2	
0100.COMP	10	12:24	18:22:07.0	+23:27:20	300	88	3.0	#12 Symbiotic	2	
0101.AS338	90	12:25	19:03:47.0	+16:26:17	300	88	3.0	#12 Symbiotic	2	
0102.COMP	10	12:27	19:03:47.0	+16:26:17	300	88	3.0	#12 Symbiotic	2	
0103.BFCyg	15	12:30	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	
0104.BFCyg	15	12:30	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	
0105.COMP	10	12:31	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	
0106.TCrB	15	12:37	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0107.TCrB	60	12:38	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0108.COMP	10	12:39	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0109-0128.BIAS	0	12:45	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0129-0143.FLAT	7	12:50	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0144-0148.DARK	900	13:54	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	

UT Date 2012-03-18 Observers S WillnerColl. Focus 1335 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0020.BIAS	0	22:39	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0021-0035.FLAT	7	22:45	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0036.COMP	5	22:53	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0037-0041.DARK	900	23:59	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0042.N231201025	60	03:42	08:05:10.8	+18:40:33	300	88	3.0	#192 DASCH Lon	2	
0043.N231201025	60	03:44	08:05:10.8	+18:40:33	300	88	3.0	#192 DASCH Lon	2	
0044.N231201025	60	03:45	08:05:10.8	+18:40:33	300	88	3.0	#192 DASCH Lon	2	
0045.COMP	10	03:46	08:05:10.8	+18:40:33	300	88	3.0	#192 DASCH Lon	2	
0046.N233233014	20	03:48	08:15:36.0	+29:46:38	300	88	3.0	#192 DASCH Lon	2	
0047.N233233014	40	03:49	08:15:36.0	+29:46:38	300	88	3.0	#192 DASCH Lon	2	
0048.COMP	10	03:50	08:15:36.0	+29:46:38	300	88	3.0	#192 DASCH Lon	2	
0049.N233220345	40	03:53	08:17:44.5	+36:26:06	300	88	3.0	#192 DASCH Lon	2	
0050.N233220345	200	03:54	08:17:44.5	+36:26:06	300	88	3.0	#192 DASCH Lon	2	
0051.COMP	10	03:58	08:17:44.5	+36:26:06	300	88	3.0	#192 DASCH Lon	2	
0052.N231222276	60	04:06	08:35:53.1	+20:55:08	300	87	3.0	#192 DASCH Lon	2	
0053.N231222276	900	04:08	08:35:53.1	+20:55:08	300	87	3.0	#192 DASCH Lon	2	
0054.COMP	10	04:23	08:35:53.1	+20:55:08	300	88	3.0	#192 DASCH Lon	2	
0055.N233031012	20	04:27	09:34:08.8	+26:28:05	300	88	3.0	#192 DASCH Lon	2	
0056.N233031012	160	04:28	09:34:08.8	+26:28:05	300	88	3.0	#192 DASCH Lon	2	
0057.COMP	10	04:31	09:34:08.8	+26:28:05	300	88	3.0	#192 DASCH Lon	2	

UT Date 2012-03-18 Observers S WillnerColl. Focus 1335 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.N233031012	80	04:32	09:34:08.8	+26:28:05	300	88	3.0	#192 DASCH Lon	2	
0059.PG0939p262	60	04:37	09:42:50.5	+26:00:58	300	88	3.0	#56 Spectropho	2	
0060.HD84937	20	04:40	09:48:56.1	+13:44:39	300	87	3.0	#56 Spectropho	2	
0061.HD84937	20	04:41	09:48:56.1	+13:44:39	300	87	3.0	#56 Spectropho	2	
0062.COMP	10	04:42	09:48:56.1	+13:44:39	300	87	3.0	#56 Spectropho	2	
0063.Feige34	180	04:43	10:39:36.7	+43:06:09	300	87	3.0	#56 Spectropho	2	
0064.Feige34	180	04:47	10:39:36.7	+43:06:09	300	87	3.0	#56 Spectropho	2	
0065.COMP	10	04:50	10:39:36.7	+43:06:09	300	87	3.0	#56 Spectropho	2	
0066.TXCVn	10	05:32	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0067.TXCVn	30	05:33	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0068.TXCVn	30	05:34	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0069.COMP	10	05:35	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0070.S120311313	40	05:40	11:42:25.6	-07:37:34	300	89	3.0	#192 DASCH Lon	2	
0071.S120311313	60	05:41	11:42:25.6	-07:37:34	300	89	3.0	#192 DASCH Lon	2	
0072.COMP	10	05:43	11:42:25.6	-07:37:34	300	89	3.0	#192 DASCH Lon	2	
0073.N123132217	20	05:48	12:27:57.9	+18:48:08	300	89	3.0	#192 DASCH Lon	2	
0074.N123132217	200	05:50	12:27:57.9	+18:48:08	300	89	3.0	#192 DASCH Lon	2	
0075.N123132217	200	05:54	12:27:57.9	+18:48:08	300	89	3.0	#192 DASCH Lon	2	
0076.COMP	10	05:58	12:27:57.9	+18:48:08	300	89	3.0	#192 DASCH Lon	2	
0077.COMP	10	06:18	11:24:53.0	-17:41:03	300	89	3.0	#57 Velocity S	2	

UT Date 2012-03-18 Observers S WillnerColl. Focus 1335 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>
0078-0087.BIAS	0	10:10	11:24:53.0	-17:41:03	300	89	3.0	#57 Velocity S	2	
0088-0102.FLAT	7	10:14	11:24:53.0	-17:41:03	300	89	3.0	#57 Velocity S	2	
0103-0107.DARK	900	11:19	11:24:53.0	-17:41:03	300	89	3.0	#57 Velocity S	2	
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	

UT Date 2012-03-18 Observers S WillnerColl. Focus 1335 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>
0001-0010.BIAS	0	22:14	11:24:53.0	-17:41:03	300	89	3.0	#57 Velocity S	2	
0011-0025.FLAT	7	22:20	11:24:53.0	-17:41:03	300	89	3.0	#57 Velocity S	2	
0026-0030.DARK	1200	23:42	11:24:53.0	-17:41:03	300	89	3.0	#57 Velocity S	2	

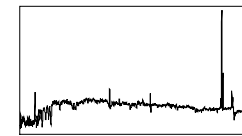


UT Date 2012-03-20 Observers S WillnerColl. Focus 1335 Grating/Grism 300

<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>
0001-0010.BIAS	0	23:32	11:24:53.0	-17:41:03	300	89	3.0	#57 Velocity S	2	
0011-0025.FLAT	7	23:38	11:24:53.0	-17:41:03	300	89	3.0	#57 Velocity S	2	
0026-0030.DARK	1200	01:06	11:24:53.0	-17:41:03	300	89	3.0	#57 Velocity S	2	
0031.COMP	10	02:48	11:24:53.0	-17:41:03	300	89	3.0	#57 Velocity S	2	

UT Date 2012-03-21 Observers M CalkinsColl. Focus 1335 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	02:49	07:19:04.4	+31:32:01	300	89	3.0	#57 Velocity S	2	
0011-0030.FLAT	7	02:56	07:19:04.4	+31:32:01	300	89	3.0	#57 Velocity S	2	
0031.G191B2B	300	03:00	05:05:30.6	+52:49:57	300	88	3.0	#56 Spectropho	2	
0032.COMP	10	03:05	05:05:30.6	+52:49:57	300	88	3.0	#56 Spectropho	2	
0033.Hiltner600	120	03:11	06:45:13.4	+02:08:14	300	89	3.0	#56 Spectropho	2	
0034.COMP	10	03:15	06:45:13.4	+02:08:14	300	87	3.0	#56 Spectropho	2	
0035.NGC2532	1800	03:19	08:10:15.2	+33:57:24	300	87	3.0	#199 Optical n	2	
0036.COMP	10	03:50	08:10:15.2	+33:57:24	300	89	3.0	#199 Optical n	2	
0037.IC2239	1800	03:52	08:14:06.8	+23:51:59	300	89	3.0	#199 Optical n	2	
0038.COMP	10	04:23	08:14:06.8	+23:51:59	300	87	3.0	#199 Optical n	2	
0039.UGC4383	1800	04:26	08:23:34.2	+21:20:51	300	45	3.0	#199 Optical n	2	
0040.COMP	10	04:56	08:23:34.2	+21:20:51	300	45	3.0	#199 Optical n	2	
0041.NGC2608	1800	04:58	08:35:17.1	+28:28:31	300	71	3.0	#199 Optical n	2	
0042.COMP	10	05:29	08:35:17.1	+28:28:31	300	69	3.0	#199 Optical n	2	
0043.MCG8-18-013	1800	05:36	09:36:37.2	+48:28:27	300	96	3.0	#199 Optical n	2	
0044.MCG8-18-013	1800	06:06	09:36:37.2	+48:28:27	300	96	3.0	#199 Optical n	2	
0045.COMP	10	06:39	09:36:37.2	+48:28:27	300	96	3.0	#199 Optical n	2	
0046.sn2012aw	1200	06:42	10:43:53.7	+11:40:18	300	91	3.0	#2 SN Observat	2	
0047.COMP	10	07:02	10:43:53.7	+11:40:18	300	91	3.0	#2 SN Observat	2	
0048.NGC3495	1800	07:05	11:01:16.2	+03:37:41	300	21	3.0	#199 Optical n	2	

UT Date 2012-03-21 Observers M CalkinsColl. Focus 1335 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0049.NGC3495	1800	07:36	11:01:16.2	+03:37:41	300	21	3.0	#199 Optical n	2	
0050.NGC3495	1800	08:06	11:01:16.2	+03:37:41	300	21	3.0	#199 Optical n	2	
0051.COMP	10	08:36	11:01:16.2	+03:37:41	300	21	3.0	#199 Optical n	2	
0052.HD84937	20	08:39	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0053.COMP	10	08:40	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0054.Feige34	120	08:42	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0055.COMP	10	08:45	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0056.sn2012A	1200	08:47	10:25:07.4	+17:09:15	300	51	3.0	#2 SN Observat	2	
0057.COMP	10	09:08	10:25:07.4	+17:09:15	300	50	3.0	#2 SN Observat	2	
0058.sn2012au	780	09:10	12:54:52.2	-10:14:50	300	89	3.0	#2 SN Observat	2	
0059.COMP	10	09:25	12:54:52.2	-10:14:50	300	90	3.0	#2 SN Observat	2	
0060.sn2011P	1800	09:28	14:59:59.0	+01:53:25	300	0	3.0	#2 SN Observat	2	
0061.COMP	10	09:58	14:59:59.0	+01:53:25	300	1	3.0	#2 SN Observat	2	
0062.sn2012G	1800	10:04	12:39:35.1	+16:35:12	300	100	3.0	#2 SN Observat	2	
0063.COMP	10	10:35	12:39:35.1	+16:35:12	300	99	3.0	#2 SN Observat	2	
0064.sn2011jm	1800	10:38	12:54:51.1	+02:39:15	300	90	3.0	#2 SN Observat	2	
0065.COMP	10	11:09	12:54:51.1	+02:39:15	300	91	3.0	#2 SN Observat	2	
0066.UGC9412	1800	11:13	14:36:22.1	+58:47:39	300	91	3.0	#199 Optical n	2	
0067.COMP	10	11:45	14:36:22.1	+58:47:39	300	92	3.0	#199 Optical n	2	
0068.NGC5660	1800	11:46	14:29:49.8	+49:37:21	300	92	3.0	#199 Optical n	2	

UT Date 2012-03-21 Observers M CalkinsColl. Focus 1335 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>
0069.COMP	10	12:17	14:29:49.8	+49:37:21	300	91	3.0	#199 Optical n	2	
0070.BDp262606	40	12:36	14:49:02.4	+25:42:09	300	91	3.0	#56 Spectropho	2	
0071.COMP	10	12:37	14:49:02.4	+25:42:09	300	91	3.0	#56 Spectropho	2	
0072.BDp332642	120	12:39	15:51:59.9	+32:56:54	300	91	3.0	#56 Spectropho	2	
0073.COMP	10	12:41	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0074-0083.BIAS	0	12:47	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0084-0103.FLAT	7	12:56	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0104-0111.DARK	900	14:44	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	

UT Date 2012-03-22 Observers M CalkinsColl. Focus 1375 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	900	01:44	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	4	
0008-0017.BIAS	0	02:10	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	4	
0018-0037.FLAT	7	02:22	06:50:01.4	+31:31:30	300	91	3.0	#56 Spectropho	2	
0038-0050.BIAS	0	02:25	06:50:01.4	+31:31:30	300	91	3.0	#56 Spectropho	2	
0051.G191B2B	300	02:34	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	02:40	05:05:30.6	+52:49:52	300	91	3.0	#56 Spectropho	2	
0053.Hiltner600	70	02:43	06:45:13.4	+02:08:15	300	91	3.0	#56 Spectropho	2	
0054.COMP	10	02:45	06:45:13.4	+02:08:15	300	91	3.0	#56 Spectropho	2	
0055.NGC2500	1800	02:52	08:01:53.2	+50:44:14	300	-48	3.0	#199 Optical n	2	
0056.NGC2500	1800	03:22	08:01:53.2	+50:44:14	300	-48	3.0	#199 Optical n	2	
0057.NGC2500	1800	03:52	08:01:53.2	+50:44:14	300	-48	3.0	#199 Optical n	2	
0058.NGC2500_sky	1800	04:24	08:01:53.2	+50:44:14	300	-49	3.0	#199 Optical n	2	
0059.COMP	10	04:54	08:01:53.2	+50:44:14	300	-51	3.0	#199 Optical n	2	
0060.sn2012aw	720	04:57	10:43:53.7	+11:40:18	300	90	3.0	#2 SN Observat	2	
0061.COMP	10	05:09	10:43:53.7	+11:40:18	300	89	3.0	#2 SN Observat	2	
0062.HD84937	20	05:11	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0063.COMP	10	05:12	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0064.HD84937	12	05:13	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0065.COMP	10	05:13	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0066.Feige34	120	05:15	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	

UT Date 2012-03-22 Observers M CalkinsColl. Focus 1375 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.COMP	10	05:17	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0068.lmwd034	1040	05:24	07:45:11.6	+19:49:27	600	89	1.5	#178 Merging W	4	wrong object?
0069.COMP	10	05:42	07:45:11.6	+19:49:27	600	89	1.5	#178 Merging W	4	
0070.bcand370	750	05:43	07:55:19.5	+48:00:34	600	90	1.5	#178 Merging W	4	
0071.COMP	10	05:56	07:55:19.5	+48:00:34	600	88	1.5	#178 Merging W	4	
0072.lmwd037	960	05:59	07:56:10.7	+67:04:25	600	88	1.5	#178 Merging W	4	
0073.COMP	10	06:15	07:56:10.7	+67:04:25	600	88	1.5	#178 Merging W	4	
0074.lmwd034	1040	06:17	07:45:11.6	+19:49:27	600	88	1.5	#178 Merging W	4	
0075.COMP	10	06:35	07:45:11.6	+19:49:27	600	89	1.5	#178 Merging W	4	
0076.bcand370	750	06:37	07:55:19.5	+48:00:34	600	89	1.5	#178 Merging W	4	
0077.COMP	10	06:50	07:55:19.5	+48:00:34	600	90	1.5	#178 Merging W	4	
0078.lmwd037	960	06:53	07:56:10.7	+67:04:25	600	90	1.5	#178 Merging W	4	
0079.COMP	10	07:10	07:56:10.7	+67:04:25	600	90	1.5	#178 Merging W	4	
0080.lmwd034	1040	07:11	07:45:11.6	+19:49:27	600	89	1.5	#178 Merging W	4	
0081.COMP	10	07:29	07:45:11.6	+19:49:27	600	90	1.5	#178 Merging W	4	
0082.bcand370	750	07:31	07:55:19.5	+48:00:34	600	90	1.5	#178 Merging W	4	
0083.COMP	10	07:44	07:55:19.5	+48:00:34	600	90	1.5	#178 Merging W	4	
0084.lmwd037	960	07:46	07:56:10.7	+67:04:25	600	90	1.5	#178 Merging W	4	
0085.COMP	10	08:02	07:56:10.7	+67:04:25	600	90	1.5	#178 Merging W	4	
0086.Feige34	90	08:05	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.COMP	10	08:07	10:39:36.7	+43:06:09	600	89	1.5	#56 Spectropho	4	
0088.lmwd050	910	08:34	11:12:15.8	+11:17:45	600	90	1.5	#178 Merging W	4	
0089.COMP	10	08:50	11:12:15.8	+11:17:45	600	90	1.5	#178 Merging W	4	
0090.bcand537	1070	08:52	11:30:56.6	+12:49:51	600	80	1.5	#178 Merging W	4	
0091.COMP	10	09:10	11:30:56.6	+12:49:51	600	81	1.5	#178 Merging W	4	
0092.j1138	300	09:16	11:38:40.7	-00:35:32	600	90	1.5	#178 Merging W	4	
0093.COMP	10	09:21	11:38:40.7	-00:35:32	600	90	1.5	#178 Merging W	4	
0094.lmwd050	910	09:23	11:12:15.8	+11:17:45	600	90	1.5	#178 Merging W	4	
0095.COMP	10	09:39	11:12:15.8	+11:17:45	600	89	1.5	#178 Merging W	4	
0096.bcand537	1070	09:40	11:30:56.6	+12:49:51	600	81	1.5	#178 Merging W	4	
0097.COMP	10	09:58	11:30:56.6	+12:49:51	600	80	1.5	#178 Merging W	4	
0098.j1138	300	09:59	11:38:40.7	-00:35:32	600	79	1.5	#178 Merging W	4	
0099.COMP	10	10:05	11:38:40.7	-00:35:32	600	80	1.5	#178 Merging W	4	
0100.lmwd050	910	10:06	11:12:15.8	+11:17:45	600	89	1.5	#178 Merging W	4	
0101.COMP	10	10:22	11:12:15.8	+11:17:45	600	89	1.5	#178 Merging W	4	
0102.bcand537	1070	10:23	11:30:56.6	+12:49:51	600	80	1.5	#178 Merging W	4	
0103.COMP	10	10:42	11:30:56.6	+12:49:51	600	81	1.5	#178 Merging W	4	
0104.j1138	300	10:44	11:38:40.7	-00:35:32	600	90	1.5	#178 Merging W	4	
0105.COMP	10	10:49	11:38:40.7	-00:35:32	600	89	1.5	#178 Merging W	4	
0106.BDp332642	90	10:52	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0107.COMP	10	10:54	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	
0108-0117.FLAT	12	10:58	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	
0118.sn2012au	720	11:08	12:54:52.2	-10:14:50	300	110	3.0	#2 SN Observat	2	
0119.COMP	10	11:21	12:54:52.2	-10:14:50	300	110	3.0	#2 SN Observat	2	
0120.BDp262606	15	11:22	14:49:02.4	+25:42:09	300	91	3.0	#56 Spectropho	2	
0121.BDp262606	24	11:23	14:49:02.4	+25:42:09	300	91	3.0	#56 Spectropho	2	
0122.COMP	10	11:24	14:49:02.4	+25:42:09	300	91	3.0	#56 Spectropho	2	
0123.BDp332642	150	11:25	15:51:59.9	+32:56:54	300	91	3.0	#56 Spectropho	2	
0124.COMP	10	11:28	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0125-0134.FLAT	7	11:32	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0135.COMP	10	11:36	15:51:59.9	+32:56:54	600	90	2.0	#56 Spectropho	2	test
0136.COMP	10	11:38	15:51:59.9	+32:56:54	600	90	2.0	#56 Spectropho	2	
0137.COMP	10	11:39	15:51:59.9	+32:56:54	600	90	2.0	#56 Spectropho	2	
0138.BDp262606	35	11:42	14:49:02.4	+25:42:09	600	90	2.0	#56 Spectropho	2	
0139.COMP	10	11:43	14:49:02.4	+25:42:09	600	90	2.0	#56 Spectropho	2	
0140.2MASSJ1941p4228	1200	11:47	19:41:13.1	+42:28:31	600	90	2.0	#204 M-Dwarf R	2	
0141.COMP	10	12:08	19:41:13.1	+42:28:31	600	90	2.0	#204 M-Dwarf R	2	
0142.lspm2230	780	12:12	15:31:54.2	+28:51:10	600	90	2.0	#204 M-Dwarf R	2	
0143.COMP	10	12:26	15:31:54.2	+28:51:10	600	90	2.0	#204 M-Dwarf R	2	
0144.lspm1193	240	12:28	17:19:53.0	+26:30:03	600	40	2.0	#204 M-Dwarf R	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>
0145.COMP	10	12:33	17:19:53.0	+26:30:03	600	40	2.0	#204 M-Dwarf R	2	
0146.lspm1319	100	12:34	19:07:05.6	+20:53:17	600	90	2.0	#204 M-Dwarf R	2	
0147.COMP	10	12:36	19:07:05.6	+20:53:17	600	90	2.0	#204 M-Dwarf R	2	
0148-0157.BIAS	0	12:40	19:07:05.6	+20:53:17	600	90	2.0	#204 M-Dwarf R	2	
0158-0167.FLAT	10	12:48	19:07:05.6	+20:53:17	600	90	2.0	#204 M-Dwarf R	2	
0168-0176.DARK	900	14:53	19:07:05.6	+20:53:17	600	90	2.0	#204 M-Dwarf R	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	00:43	19:07:05.6	+20:53:17	600	90	2.0	#204 M-Dwarf R	4	
0006-0007.DARK	900	01:21	05:56:24.3	-14:10:05	600	90	2.0	#57 Velocity S	4	
0008-0017.BIAS	0	01:52	05:56:24.3	-14:10:05	600	90	2.0	#57 Velocity S	4	
0018-0027.FLAT	15	02:38	05:56:24.3	-14:10:05	600	90	1.5	#57 Velocity S	4	
0028.lmwd034	1040	02:42	07:45:11.6	+19:49:27	600	90	1.5	#178 Merging W	4	
0029.COMP	10	03:00	07:45:11.6	+19:49:27	600	90	1.5	#178 Merging W	4	
0030.bcand370	750	03:04	07:55:19.5	+48:00:34	600	91	1.5	#178 Merging W	4	
0031.COMP	10	03:17	07:55:19.5	+48:00:34	600	92	1.5	#178 Merging W	4	
0032.lmwd037	960	03:18	07:56:10.7	+67:04:25	600	92	1.5	#178 Merging W	4	
0033.COMP	10	03:35	07:56:10.7	+67:04:25	600	90	1.5	#178 Merging W	4	
0034.lmwd034	1040	03:37	07:45:11.6	+19:49:27	600	90	1.5	#178 Merging W	4	
0035.COMP	10	03:55	07:45:11.6	+19:49:27	600	90	1.5	#178 Merging W	4	
0036.bcand370	750	03:56	07:55:19.5	+48:00:34	600	90	1.5	#178 Merging W	4	
0037.COMP	10	04:09	07:55:19.5	+48:00:34	600	90	1.5	#178 Merging W	4	
0038.lmwd037	960	04:12	07:56:10.7	+67:04:25	600	90	1.5	#178 Merging W	4	
0039.COMP	10	04:28	07:56:10.7	+67:04:25	600	90	1.5	#178 Merging W	4	
0040.lmwd034	1040	04:31	07:45:11.6	+19:49:27	600	91	1.5	#178 Merging W	4	
0041.COMP	10	04:49	07:45:11.6	+19:49:27	600	90	1.5	#178 Merging W	4	
0042.bcand370	750	04:51	07:55:19.5	+48:00:34	600	90	1.5	#178 Merging W	4	
0043.COMP	10	05:04	07:55:19.5	+48:00:34	600	90	1.5	#178 Merging W	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.lmwd037	960	05:06	07:56:10.7	+67:04:25	600	90	1.5	#178 Merging W	4	
0045.COMP	10	05:22	07:56:10.7	+67:04:25	600	91	1.5	#178 Merging W	4	
0046.lmwd050	910	05:24	11:12:15.8	+11:17:45	600	91	1.5	#178 Merging W	4	
0047.COMP	10	05:40	11:12:15.8	+11:17:45	600	91	1.5	#178 Merging W	4	
0048.bcand537	1070	05:44	11:30:56.6	+12:49:51	600	80	1.5	#178 Merging W	4	
0049.COMP	10	06:02	11:30:56.6	+12:49:51	600	80	1.5	#178 Merging W	4	
0050.j1138	300	06:04	11:38:40.7	-00:35:32	600	89	1.5	#178 Merging W	4	
0051.COMP	10	06:09	11:38:40.7	-00:35:32	600	90	1.5	#178 Merging W	4	
0052.lmwd050	910	06:12	11:12:15.8	+11:17:45	600	90	1.5	#178 Merging W	4	
0053.COMP	10	06:27	11:12:15.8	+11:17:45	600	90	1.5	#178 Merging W	4	
0054.bcand537	1070	06:29	11:30:56.6	+12:49:51	600	80	1.5	#178 Merging W	4	
0055.COMP	10	06:47	11:30:56.6	+12:49:51	600	80	1.5	#178 Merging W	4	
0056.j1138	300	06:49	11:38:40.7	-00:35:32	600	89	1.5	#178 Merging W	4	
0057.COMP	10	06:54	11:38:40.7	-00:35:32	600	89	1.5	#178 Merging W	4	
0058.lmwd050	910	06:55	11:12:15.8	+11:17:45	600	89	1.5	#178 Merging W	4	
0059.COMP	10	07:10	11:12:15.8	+11:17:45	600	89	1.5	#178 Merging W	4	
0060.bcand537	1070	07:12	11:30:56.6	+12:49:51	600	81	1.5	#178 Merging W	4	
0061.COMP	10	07:30	11:30:56.6	+12:49:51	600	80	1.5	#178 Merging W	4	
0062.j1138	300	07:31	11:38:40.7	-00:35:32	600	90	1.5	#178 Merging W	4	
0063.COMP	10	07:37	11:38:40.7	-00:35:32	600	90	1.5	#178 Merging W	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.Feige34	120	07:39	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0065.COMP	10	07:41	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0066.SDSS0839+5020	1200	07:48	08:39:14.1	+50:20:38	300	91	3.0	#165 Quasar Br	2	
0067.SDSS0839+5020	1200	08:08	08:39:14.1	+50:20:38	300	91	3.0	#165 Quasar Br	2	
0068.SDSS0839+5020	1200	08:29	08:39:14.1	+50:20:38	300	91	3.0	#165 Quasar Br	2	
0069.COMP	10	08:49	08:39:14.1	+50:20:38	300	91	3.0	#165 Quasar Br	2	
0070.SDSS1022+0214	1200	08:53	10:22:14.8	+02:14:29	300	91	3.0	#165 Quasar Br	2	
0071.SDSS1022+0214	1200	09:13	10:22:14.8	+02:14:29	300	91	3.0	#165 Quasar Br	2	
0072.SDSS1022+0214	1200	09:33	10:22:14.8	+02:14:29	300	91	3.0	#165 Quasar Br	2	
0073.COMP	10	09:54	10:22:14.8	+02:14:29	300	92	3.0	#165 Quasar Br	2	
0074.Feige34	120	09:56	10:39:36.7	+43:06:09	300	83	3.0	#56 Spectropho	2	
0075.COMP	10	09:59	10:39:36.7	+43:06:09	300	83	3.0	#56 Spectropho	2	
0076.psn1213	1500	10:01	12:13:37.3	+46:29:01	300	90	3.0	#2 SN Observat	2	
0077.COMP	10	10:27	12:13:37.3	+46:29:01	300	90	3.0	#2 SN Observat	2	
0078.sn2012au	720	10:29	12:54:52.2	-10:14:50	300	105	3.0	#2 SN Observat	2	
0079.COMP	10	10:41	12:54:52.2	-10:14:50	300	105	3.0	#2 SN Observat	2	
0080.BDp262606	20	10:43	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0081.COMP	10	10:44	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0082.BDp332642	120	10:46	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0083.COMP	10	10:48	15:51:59.9	+32:56:54	300	85	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.N5866	180	10:50	15:06:29.5	+55:45:48	300	85	3.0	#57 Velocity S	2	
0085.COMP	10	10:53	15:06:29.5	+55:45:48	300	90	3.0	#57 Velocity S	2	
0086.CHCyg	1	10:56	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0087.CHCyg	5	10:56	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0088.CHCyg	0	10:56	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0089.CHCyg	15	10:57	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0090.COMP	10	10:58	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0091-0100.FLAT	7	11:02	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0101.lspm3338	780	11:08	13:14:29.5	+48:46:41	600	90	2.0	#204 M-Dwarf R	2	
0102.COMP	10	11:22	13:14:29.5	+48:46:41	600	90	2.0	#204 M-Dwarf R	2	
0103.lspm2140	480	11:23	13:10:12.6	+47:45:18	600	90	2.0	#204 M-Dwarf R	2	
0104.COMP	10	11:31	13:10:12.6	+47:45:18	600	91	2.0	#204 M-Dwarf R	2	
0105.BDp262606	45	11:33	14:49:02.4	+25:42:09	600	91	2.0	#56 Spectropho	2	
0106.COMP	10	11:34	14:49:02.4	+25:42:09	600	91	2.0	#56 Spectropho	2	
0107.lspm2155	600	11:36	13:32:39.1	+30:59:07	600	90	2.0	#204 M-Dwarf R	2	
0108.COMP	10	11:47	13:32:39.1	+30:59:07	600	90	2.0	#204 M-Dwarf R	2	
0109.lspm3588	1800	11:49	16:53:15.4	+00:00:15	600	91	2.0	#204 M-Dwarf R	2	
0110.COMP	10	12:20	16:53:15.4	+00:00:15	600	90	2.0	#204 M-Dwarf R	2	
0111.lspm2331	270	12:22	19:08:29.9	+32:16:52	600	90	2.0	#204 M-Dwarf R	2	
0112.COMP	10	12:27	19:08:29.9	+32:16:52	600	91	2.0	#204 M-Dwarf R	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>
0113.lspm1263	600	12:29	18:16:57.8	+04:41:44	600	70	2.0	#204 M-Dwarf R	2	
0114.COMP	10	12:40	18:16:57.8	+04:41:44	600	70	2.0	#204 M-Dwarf R	2	
0115-0124.FLAT	10	12:47	18:16:57.8	+04:41:44	600	90	2.0	#204 M-Dwarf R	2	
0125-0144.BIAS	0	13:03	18:16:57.8	+04:41:44	300	90	3.0	#204 M-Dwarf R	2	
0145-0149.DARK	900	14:08	18:16:57.8	+04:41:44	300	90	3.0	#204 M-Dwarf R	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.test	10	01:48	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0002.test	10	01:48	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0003.test	10	01:49	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0004.test	10	01:49	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0005.test	10	01:49	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0006.test	10	01:50	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0007.test	10	01:50	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0008.test	10	01:51	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0009.test	10	01:51	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0010.BIAS	0	01:53	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0011.COMP	10	01:53	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0012-0021.BIAS	0	01:55	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0022-0036.FLAT	7	02:01	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0037.N223232191	45	02:34	07:23:44.3	+08:39:56	300	89	3.0	#192 DASCH Lon	2	
0038.COMP	10	02:35	07:23:44.3	+08:39:56	300	89	3.0	#192 DASCH Lon	2	
0039.N223201331	45	02:36	07:09:15.1	+22:17:39	300	89	3.0	#192 DASCH Lon	2	
0040.N223201331	150	02:38	07:09:15.1	+22:17:39	300	89	3.0	#192 DASCH Lon	2	
0041.COMP	10	02:40	07:09:15.1	+22:17:39	300	90	3.0	#192 DASCH Lon	2	
0042.N223022063	60	02:41	07:17:24.5	+17:53:35	300	90	3.0	#192 DASCH Lon	2	
0043.N223022063	240	02:43	07:17:24.5	+17:53:35	300	90	3.0	#192 DASCH Lon	2	

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0044.COMP	10	02:47	07:17:24.5	+17:53:35	300	90	3.0	#192 DASCH Lon	2	
0045.sn2012ap	1800	02:50	05:00:13.7	-03:20:51	300	90	3.0	#2 SN Observat	2	
0046.COMP	10	03:21	05:00:13.7	-03:20:51	300	90	3.0	#2 SN Observat	2	
0047.sn2010j1	1800	03:25	09:42:53.3	+09:29:42	300	90	3.0	#2 SN Observat	2	
0048.COMP	10	03:55	09:42:53.3	+09:29:42	300	90	3.0	#2 SN Observat	2	
0049.N233012397	1200	03:58	09:53:10.0	+33:53:53	300	90	3.0	#192 DASCH Lon	2	
0050.COMP	10	04:18	09:53:10.0	+33:53:53	300	90	3.0	#192 DASCH Lon	2	
0051.HD84937	20	04:20	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0052.HD84937	20	04:21	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0053.HD84937	20	04:21	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0054.COMP	10	04:22	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0055.sn2012A	1200	04:24	10:25:07.4	+17:09:15	300	89	3.0	#2 SN Observat	2	
0056.COMP	10	04:45	10:25:07.4	+17:09:15	300	90	3.0	#2 SN Observat	2	
0057.sn2012aw	900	04:46	10:43:53.7	+11:40:18	300	90	3.0	#2 SN Observat	2	
0058.COMP	10	05:02	10:43:53.7	+11:40:18	300	89	3.0	#2 SN Observat	2	
0059.SDSS1004+4231	1200	05:05	10:04:01.3	+42:31:23	300	89	3.0	#165 Quasar Br	2	
0060.COMP	10	05:25	10:04:01.3	+42:31:23	300	89	3.0	#165 Quasar Br	2	
0061.SDSS1004+4231	1200	05:26	10:04:01.3	+42:31:23	300	89	3.0	#165 Quasar Br	2	
0062.COMP	10	05:46	10:04:01.3	+42:31:23	300	89	3.0	#165 Quasar Br	2	
0063.SDSS1004+4231	1200	05:47	10:04:01.3	+42:31:23	300	89	3.0	#165 Quasar Br	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.COMP	10	06:07	10:04:01.3	+42:31:23	300	90	3.0	#165 Quasar Br	2	
0065.Feige34	180	06:08	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0066.COMP	10	06:12	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0067.SDSS1113+0914	1200	06:14	11:13:16.4	+09:14:39	300	90	3.0	#165 Quasar Br	2	
0068.COMP	10	06:34	11:13:16.4	+09:14:39	300	90	3.0	#165 Quasar Br	2	
0069.SDSS1113+0914	1200	06:35	11:13:16.4	+09:14:39	300	90	3.0	#165 Quasar Br	2	
0070.COMP	10	06:56	11:13:16.4	+09:14:39	300	90	3.0	#165 Quasar Br	2	
0071.SDSS1113+0914	1200	06:56	11:13:16.4	+09:14:39	300	90	3.0	#165 Quasar Br	2	
0072.COMP	10	07:17	11:13:16.4	+09:14:39	300	90	3.0	#165 Quasar Br	2	
0073.psn12130023	1200	07:18	12:13:00.2	+25:16:57	300	90	3.0	#2 SN Observat	2	
0074.COMP	10	07:38	12:13:00.2	+25:16:57	300	90	3.0	#2 SN Observat	2	
0075.PS1-12rg	1800	07:40	12:13:37.3	+46:29:01	300	90	3.0	#2 SN Observat	2	
0076.COMP	10	08:10	12:13:37.3	+46:29:01	300	90	3.0	#2 SN Observat	2	
0077.sn2012au	600	08:14	12:54:52.2	-10:14:50	300	90	3.0	#2 SN Observat	2	
0078.COMP	10	08:24	12:54:52.2	-10:14:50	300	90	3.0	#2 SN Observat	2	
0079.COMP	10	08:32	16:13:51.6	+31:56:14	600	90	1.5	#178 Merging W	4	
0080.bcand913	1020	08:33	16:13:51.6	+31:56:14	600	90	1.5	#178 Merging W	4	
0081.COMP	10	08:50	16:13:51.6	+31:56:14	600	89	1.5	#178 Merging W	4	
0082.j1638	600	08:52	16:38:26.3	+35:00:12	600	89	1.5	#178 Merging W	4	
0083.COMP	10	09:02	16:38:26.3	+35:00:12	600	89	1.5	#178 Merging W	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.bcand832	910	09:03	17:03:27.6	+63:11:23	600	89	1.5	#178 Merging W	4	
0085.COMP	10	09:19	17:03:27.6	+63:11:23	600	90	1.5	#178 Merging W	4	
0086.bcand913	1020	09:21	16:13:51.6	+31:56:14	600	90	1.5	#178 Merging W	4	
0087.COMP	10	09:38	16:13:51.6	+31:56:14	600	90	1.5	#178 Merging W	4	
0088.j1638	600	09:39	16:38:26.3	+35:00:12	600	90	1.5	#178 Merging W	4	
0089.COMP	10	09:50	16:38:26.3	+35:00:12	600	90	1.5	#178 Merging W	4	
0090.bcand832	910	09:51	17:03:27.6	+63:11:23	600	90	1.5	#178 Merging W	4	
0091.COMP	10	10:07	17:03:27.6	+63:11:23	600	90	1.5	#178 Merging W	4	
0092.bcand913	1020	10:09	16:13:51.6	+31:56:14	600	90	1.5	#178 Merging W	4	
0093.COMP	10	10:26	16:13:51.6	+31:56:14	600	90	1.5	#178 Merging W	4	
0094.j1638	600	10:28	16:38:26.3	+35:00:12	600	90	1.5	#178 Merging W	4	
0095.COMP	10	10:38	16:38:26.3	+35:00:12	600	90	1.5	#178 Merging W	4	
0096.bcand832	910	10:40	17:03:27.6	+63:11:23	600	90	1.5	#178 Merging W	4	
0097.COMP	10	10:56	17:03:27.6	+63:11:23	600	90	1.5	#178 Merging W	4	
0098.j1638	600	10:58	16:38:26.3	+35:00:12	600	90	1.5	#178 Merging W	4	
0099.COMP	10	11:08	16:38:26.3	+35:00:12	600	90	1.5	#178 Merging W	4	
0100.BDp332642	120	11:10	15:51:59.9	+32:56:54	600	90	1.5	#178 Merging W	4	
0101.COMP	10	11:12	15:51:59.9	+32:56:54	600	90	1.5	#178 Merging W	4	
0102.lmwd552	871	11:14	17:44:42.8	+21:02:13	600	90	1.5	#178 Merging W	4	
0103.COMP	10	11:29	17:44:42.8	+21:02:13	600	89	1.5	#178 Merging W	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0104-0113.FLAT	12	11:33	17:00:00.0	+32:00:00	600	89	1.5	#178 Merging W	4	
0114.test	10	11:36	17:00:00.0	+32:00:00	300	89	3.0	#178 Merging W	2	
0116.K8638768	1800	11:40	19:46:40.0	+44:47:03	300	89	3.0	#192 DASCH Lon	2	
0117.COMP	10	12:10	19:46:40.0	+44:47:03	300	90	3.0	#192 DASCH Lon	2	
0118.K8703528	180	12:12	19:47:18.8	+44:48:08	300	90	3.0	#192 DASCH Lon	2	
0119.COMP	10	12:15	19:47:18.8	+44:48:08	300	89	3.0	#192 DASCH Lon	2	
0120.K12022351	150	12:17	19:45:14.8	+50:24:47	300	90	3.0	#192 DASCH Lon	2	
0121.COMP	10	12:20	19:45:14.8	+50:24:47	300	90	3.0	#192 DASCH Lon	2	
0122.K8320954	90	12:21	19:53:26.3	+44:17:47	300	90	3.0	#192 DASCH Lon	2	
0123.COMP	10	12:23	19:53:26.3	+44:17:47	300	90	3.0	#192 DASCH Lon	2	
0124.K2708156	90	12:24	19:21:08.9	+37:56:11	300	90	3.0	#192 DASCH Lon	2	
0125.COMP	10	12:26	19:21:08.9	+37:56:11	300	90	3.0	#192 DASCH Lon	2	
0126.BDp404032	90	12:28	20:08:24.1	+41:15:04	300	90	3.0	#56 Spectropho	2	
0127.COMP	10	12:29	20:08:24.1	+41:15:04	300	90	3.0	#56 Spectropho	2	
0128.HD192281	10	12:30	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	2	
0129.HD192281	10	12:31	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	2	
0130.COMP	10	12:31	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	2	
0131-0140.BIAS	0	12:37	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	2	
0141-0155.FLAT	7	12:42	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	2	
0156-0160.DARK	1200	14:08	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	23:08	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	2	
0006-0010.DARK	900	00:24	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	4	
0011-0020.BIAS	0	01:46	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	2	
0021-0035.FLAT	7	01:51	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	2	
0036.Hiltner600	90	02:21	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0037.Hiltner600	90	02:23	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0038.COMP	10	02:25	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0039.N223003069	300	02:27	07:36:06.5	+21:14:11	300	90	3.0	#192 DASCH Lon	2	
0040.COMP	10	02:32	07:36:06.5	+21:14:11	300	91	3.0	#192 DASCH Lon	2	
0041.N230100391	150	02:33	07:46:11.9	+26:24:39	300	91	3.0	#192 DASCH Lon	2	
0042.COMP	10	02:36	07:46:11.9	+26:24:39	300	91	3.0	#192 DASCH Lon	2	
0043.N233233014	120	02:36	08:15:36.0	+29:46:38	300	91	3.0	#192 DASCH Lon	2	
0044.COMP	10	02:39	08:15:36.0	+29:46:38	300	91	3.0	#192 DASCH Lon	2	
0045.N233110357	75	02:40	08:27:13.6	+41:28:33	300	91	3.0	#192 DASCH Lon	2	
0046.COMP	10	02:42	08:27:13.6	+41:28:33	300	91	3.0	#192 DASCH Lon	2	
0047.N231310224	120	02:43	08:30:38.5	+14:07:13	300	91	3.0	#192 DASCH Lon	2	
0048.COMP	10	02:45	08:30:38.5	+14:07:13	300	91	3.0	#192 DASCH Lon	2	
0049.NGC2535	720	02:47	08:11:13.5	+25:12:25	300	55	3.0	#199 Optical n	2	
0050.COMP	10	03:00	08:11:13.5	+25:12:25	300	55	3.0	#199 Optical n	2	
0051.NGC2535	720	03:01	08:11:13.5	+25:12:25	300	55	3.0	#199 Optical n	2	

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0052.COMP	10	03:13	08:11:13.5	+25:12:25	300	55	3.0	#199 Optical n	2	
0053.NGC2535	720	03:19	08:11:13.5	+25:12:25	300	54	3.0	#199 Optical n	2	
0054.COMP	10	03:31	08:11:13.5	+25:12:25	300	55	3.0	#199 Optical n	2	
0055.NGC2535.offsetsky	720	03:32	08:11:13.5	+25:12:25	300	55	3.0	#199 Optical n	2	
0056.COMP	10	03:44	08:11:13.5	+25:12:25	300	55	3.0	#199 Optical n	2	
0057.COMP	10	03:46	08:03:42.0	+30:22:55	300	90	3.0	#165 Quasar Br	2	
0058.SDSS0803+3022	1200	03:49	08:03:42.0	+30:22:55	300	90	3.0	#165 Quasar Br	2	
0059.SDSS0803+3022	1200	04:09	08:03:42.0	+30:22:55	300	90	3.0	#165 Quasar Br	2	
0060.SDSS0803+3022	1200	04:29	08:03:42.0	+30:22:55	300	90	3.0	#165 Quasar Br	2	
0061.COMP	10	04:49	08:03:42.0	+30:22:55	300	90	3.0	#165 Quasar Br	2	
0062.HD84937	25	04:51	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0063.HD84937	25	04:51	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0064.HD84937	25	04:52	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0065.COMP	10	04:53	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0066.COMP	10	04:55	10:07:11.8	+05:32:09	300	83	3.0	#165 Quasar Br	2	
0067.SDSS1007+0532	1200	04:56	10:07:11.8	+05:32:09	300	83	3.0	#165 Quasar Br	2	
0068.SDSS1007+0532	1200	05:16	10:07:11.8	+05:32:09	300	83	3.0	#165 Quasar Br	2	thin clouds
0069.SDSS1007+0532	1200	05:37	10:07:11.8	+05:32:09	300	83	3.0	#165 Quasar Br	2	
0070.COMP	10	05:57	10:07:11.8	+05:32:09	300	83	3.0	#165 Quasar Br	2	
0071.sn2012aw	900	05:59	10:43:53.7	+11:40:18	300	90	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.COMP	10	06:15	10:43:53.7	+11:40:18	300	90	3.0	#2 SN Observat	2	
0073.Feige34	180	06:16	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0074.COMP	10	06:19	10:39:36.7	+43:06:09	300	91	3.0	#56 Spectropho	2	
0075.PS1-12rg	1800	06:22	12:13:37.3	+46:29:01	300	91	3.0	#2 SN Observat	2	
0076.COMP	10	06:52	12:13:37.3	+46:29:01	300	88	3.0	#2 SN Observat	2	
0077.COMP	10	06:58	12:05:50.2	+02:01:32	300	44	3.0	#165 Quasar Br	2	
0078.SDSS1205+0201	1200	06:59	12:05:50.2	+02:01:32	300	45	3.0	#165 Quasar Br	2	
0079.SDSS1205+0201	1200	07:19	12:05:50.2	+02:01:32	300	45	3.0	#165 Quasar Br	2	
0080.SDSS1205+0201	1200	07:39	12:05:50.2	+02:01:32	300	45	3.0	#165 Quasar Br	2	more clouds
0081.COMP	10	08:00	12:05:50.2	+02:01:32	300	45	3.0	#165 Quasar Br	2	
0082.sn2012au	1200	08:04	12:54:52.2	-10:14:50	300	89	3.0	#2 SN Observat	2	
0083.COMP	10	08:24	12:54:52.2	-10:14:50	300	90	3.0	#2 SN Observat	2	
0084.RWHya	10	08:26	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0085.RWHya	60	08:26	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0086.COMP	10	08:28	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0087.test	10	08:33	14:00:00.0	+32:00:00	600	90	1.5	#2 SN Observat	4	
0088.FLAT	12	08:43	12:40:28.9	-13:50:47	600	90	1.5	#178 Merging W	4	600gpm, 445, 1.5-sec
0089-0092.FLAT	12	08:44	12:40:28.9	-13:50:47	600	90	1.5	#178 Merging W	4	
0093.FLAT	12	08:45	12:40:28.9	-13:50:47	600	90	1.5	#178 Merging W	4	clouds
0094-0097.FLAT	12	08:49	12:40:28.9	-13:50:47	600	90	1.5	#178 Merging W	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0098.lmwd547	1500	08:51	15:40:13.5	+18:45:02	600	90	1.5	#178 Merging W	4	
0099.COMP	10	09:17	15:40:13.5	+18:45:02	600	90	1.5	#178 Merging W	4	
0100.lmwd538	1200	09:18	12:40:28.9	-13:50:47	600	90	1.5	#178 Merging W	4	
0101.COMP	10	09:39	12:40:28.9	-13:50:47	600	90	1.5	#178 Merging W	4	
0102.lmwd543	900	09:40	14:25:46.2	-22:39:15	600	90	1.5	#178 Merging W	4	
0103.COMP	10	09:55	14:25:46.2	-22:39:15	600	89	1.5	#178 Merging W	4	
0104.lmwd060	960	09:57	15:21:36.4	+05:28:31	600	89	1.5	#178 Merging W	4	
0105.COMP	10	10:13	15:21:36.4	+05:28:31	600	89	1.5	#178 Merging W	4	
0106.lmwd060	960	10:14	15:21:36.4	+05:28:31	600	89	1.5	#178 Merging W	4	
0107.COMP	10	10:30	15:21:36.4	+05:28:31	600	90	1.5	#178 Merging W	4	
0108.lmwd545	600	10:32	15:18:02.8	+02:23:07	600	90	1.5	#178 Merging W	4	
0109.COMP	10	10:43	15:18:02.8	+02:23:07	600	90	1.5	#178 Merging W	4	
0110.lmwd551	1020	10:44	17:35:21.7	+21:34:41	600	90	1.5	#178 Merging W	4	
0111.COMP	10	11:02	17:35:21.7	+21:34:41	600	90	1.5	#178 Merging W	4	
0112.lmwd549	600	11:04	16:54:40.7	+11:33:27	600	90	1.5	#178 Merging W	4	
0113.COMP	10	11:25	16:54:40.7	+11:33:27	600	89	1.5	#178 Merging W	4	
0114.lmwd550	1200	11:26	17:24:21.6	+02:50:12	600	89	1.5	#178 Merging W	4	
0115.COMP	10	11:46	17:24:21.6	+02:50:12	600	89	1.5	#178 Merging W	4	
0116.lmwd554	1020	11:48	18:08:52.9	+10:44:14	600	89	1.5	#178 Merging W	4	
0117.COMP	10	12:05	18:08:52.9	+10:44:14	600	89	1.5	#178 Merging W	4	

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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>
0118.BDp332642	120	12:07	15:51:59.9	+32:56:54	600	89	1.5	#178 Merging W	4	
0119.COMP	10	12:09	15:51:59.9	+32:56:54	600	89	1.5	#178 Merging W	4	
0120.lmwd555	930	12:11	19:25:27.2	+38:36:19	600	89	1.5	#178 Merging W	4	
0121.COMP	10	12:27	19:25:27.2	+38:36:19	600	89	1.5	#178 Merging W	4	
0122-0131.BIAS	0	12:30	19:25:27.2	+38:36:19	600	89	1.5	#178 Merging W	4	
0132-0141.FLAT	12	12:34	19:25:27.2	+38:36:19	600	89	1.5	#178 Merging W	4	
0142-0146.DARK	900	13:41	19:25:27.2	+38:36:19	600	89	1.5	#178 Merging W	2	
0147-0151.DARK	900	14:58	19:25:27.2	+38:36:19	600	89	1.5	#178 Merging W	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	20:48	19:25:27.2	+38:36:19	600	89	1.5	#178 Merging W	2	
0006-0010.DARK	900	22:04	19:25:27.2	+38:36:19	600	89	1.5	#178 Merging W	4	
0011-0020.BIAS	0	00:55	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0021-0034.FLAT	7	01:00	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0035.FLAT	7	01:00	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	variable clouds
0036.N221133017	720	02:46	07:54:45.9	+16:41:41	300	89	3.0	#192 DASCH Lon	2	
0037.COMP	10	02:58	07:54:45.9	+16:41:41	300	90	3.0	#192 DASCH Lon	2	
0038.N223210039	180	03:01	07:35:48.0	+11:01:15	300	90	3.0	#192 DASCH Lon	2	
0039.N223210039	360	03:05	07:35:48.0	+11:01:15	300	90	3.0	#192 DASCH Lon	2	
0040.COMP	10	03:11	07:35:48.0	+11:01:15	300	90	3.0	#192 DASCH Lon	2	
0041.N231310224	521	03:13	08:30:38.5	+14:07:13	300	90	3.0	#192 DASCH Lon	2	
0042.COMP	10	03:23	08:30:38.5	+14:07:13	300	90	3.0	#192 DASCH Lon	2	
0043.COMP	10	03:37	08:35:40.1	+46:29:28	300	108	3.0	#199 Optical n	2	
0044.MK92	900	03:38	08:35:40.1	+46:29:28	300	108	3.0	#199 Optical n	2	
0045.MK92	900	03:54	08:35:40.1	+46:29:28	300	108	3.0	#199 Optical n	2	
0046.MK92	900	04:09	08:35:40.1	+46:29:28	300	108	3.0	#199 Optical n	2	
0047.COMP	10	04:24	08:35:40.1	+46:29:28	300	110	3.0	#199 Optical n	2	
0048.sn2012aw	1200	04:27	10:43:53.7	+11:40:18	300	90	3.0	#2 SN Observat	2	
0049.COMP	10	04:48	10:43:53.7	+11:40:18	300	90	3.0	#2 SN Observat	2	
0050.HD84937	25	04:50	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0051.HD84937	25	04:51	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0052.HD84937	25	04:51	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0053.COMP	10	04:52	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0054.N233232049	900	04:53	08:22:20.5	+26:40:34	300	90	3.0	#192 DASCH Lon	2	
0055.COMP	10	05:09	08:22:20.5	+26:40:34	300	90	3.0	#192 DASCH Lon	2	
0056.N200010290	600	05:11	11:55:59.3	+08:49:45	300	90	3.0	#192 DASCH Lon	2	
0057.COMP	10	05:22	11:55:59.3	+08:49:45	300	90	3.0	#192 DASCH Lon	2	
0058.COMP	10	05:24	09:02:08.4	+08:18:06	300	69	3.0	#199 Optical n	2	
0059.NGC2731	900	05:24	09:02:08.4	+08:18:06	300	69	3.0	#199 Optical n	2	
0060.NGC2731	900	05:40	09:02:08.4	+08:18:06	300	69	3.0	#199 Optical n	2	
0061.NGC2731	900	05:55	09:02:08.4	+08:18:06	300	69	3.0	#199 Optical n	2	
0062.COMP	10	06:10	09:02:08.4	+08:18:06	300	69	3.0	#199 Optical n	2	
0063.Feige34	360	06:39	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0064.COMP	10	06:45	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0065.sn2012au	1800	06:48	12:54:52.2	-10:14:50	300	90	3.0	#2 SN Observat	2	
0066.COMP	10	07:18	12:54:52.2	-10:14:50	300	91	3.0	#2 SN Observat	2	
0067.S200113023	30	07:20	12:28:08.4	-14:02:43	300	91	3.0	#192 DASCH Lon	2	
0068.COMP	10	07:20	12:28:08.4	-14:02:43	300	91	3.0	#192 DASCH Lon	2	
0069.COMP	10	07:25	11:12:15.8	+11:17:45	600	91	1.5	#178 Merging W	4	
0070.lmwd050	1060	07:26	11:12:15.8	+11:17:45	600	91	1.5	#178 Merging W	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0071.COMP	10	07:44	11:12:15.8	+11:17:45	600	90	1.5	#178 Merging W	4	
0072.j1138	371	08:09	11:38:40.7	-00:35:32	600	90	1.5	#178 Merging W	4	
0073.COMP	10	08:16	11:38:40.7	-00:35:32	600	90	1.5	#178 Merging W	4	
0074.lmwd050	910	08:17	11:12:15.8	+11:17:45	600	90	1.5	#178 Merging W	4	
0075.COMP	10	08:32	11:12:15.8	+11:17:45	600	89	1.5	#178 Merging W	4	
0076.bcand537	1070	08:34	11:30:56.6	+12:49:51	600	89	1.5	#178 Merging W	4	
0077.COMP	10	08:52	11:30:56.6	+12:49:51	600	90	1.5	#178 Merging W	4	
0078.j1138	300	08:54	11:38:40.7	-00:35:32	600	90	1.5	#178 Merging W	4	
0079.COMP	10	08:59	11:38:40.7	-00:35:32	600	90	1.5	#178 Merging W	4	
0080.lmwd050	910	09:00	11:12:15.8	+11:17:45	600	90	1.5	#178 Merging W	4	
0081.COMP	10	09:16	11:12:15.8	+11:17:45	600	90	1.5	#178 Merging W	4	
0082.bcand537	1070	09:17	11:30:56.6	+12:49:51	600	90	1.5	#178 Merging W	4	
0083.COMP	10	09:36	11:30:56.6	+12:49:51	600	90	1.5	#178 Merging W	4	
0084.j1138	300	09:37	11:38:40.7	-00:35:32	600	90	1.5	#178 Merging W	4	
0085.COMP	10	09:43	11:38:40.7	-00:35:32	600	90	1.5	#178 Merging W	4	
0086.lmwd050	910	09:44	11:12:15.8	+11:17:45	600	90	1.5	#178 Merging W	4	
0087.COMP	10	09:59	11:12:15.8	+11:17:45	600	90	1.5	#178 Merging W	4	
0088.bcand537	1200	10:01	11:30:56.6	+12:49:51	600	90	1.5	#178 Merging W	4	
0089.COMP	10	10:21	11:30:56.6	+12:49:51	600	89	1.5	#178 Merging W	4	
0090.j1138	300	10:22	11:38:40.7	-00:35:32	600	89	1.5	#178 Merging W	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091.COMP	10	10:28	11:38:40.7	-00:35:32	600	90	1.5	#178 Merging W	4	
0092.BDp332642	150	10:30	15:51:59.9	+32:56:54	600	90	1.5	#178 Merging W	4	
0093.COMP	10	10:33	15:51:59.9	+32:56:54	600	90	1.5	#178 Merging W	4	
0094.j1638	600	10:34	16:38:26.3	+35:00:12	600	90	1.5	#178 Merging W	4	
0095.COMP	10	10:45	16:38:26.3	+35:00:12	600	90	1.5	#178 Merging W	4	
0096-0105.FLAT	12	10:49	16:38:26.3	+35:00:12	600	90	1.5	#178 Merging W	4	
0107.BIAS	0	10:55	16:40:56.2	+34:59:33	300	90	3.0	#178 Merging W	2	
0108.test	10	10:56	16:40:56.2	+34:59:33	300	90	3.0	#178 Merging W	2	
0109.test	10	10:57	16:40:56.2	+34:59:33	300	90	3.0	#178 Merging W	2	
0110.BDp332642	120	10:59	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0111.COMP	10	11:01	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0112.BDp262606	90	11:03	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0113.COMP	10	11:05	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0114.AGDra	5	11:06	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0115.AGDra	20	11:07	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0116.AGDra	90	11:07	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0117.COMP	10	11:09	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0118.psnMASTER161812	1500	11:11	16:18:12.4	+36:28:53	300	90	3.0	#2 SN Observat	2	
0119.COMP	10	11:37	16:18:12.4	+36:28:53	300	90	3.0	#2 SN Observat	2	
0120.DracoC1	1200	11:38	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0121.COMP	10	11:59	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	2	
0122.RSOph	60	12:01	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0123.RSOph	120	12:03	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0124.RSOph	20	12:05	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0125.COMP	10	12:06	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0126.BFCyg	20	12:07	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0127.BFCyg	20	12:08	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0128.BFCyg	10	12:09	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0129.COMP	10	12:09	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0130.CHCyg	1	12:11	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0131.CHCyg	5	12:11	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0132.CHCyg	15	12:12	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0133.COMP	10	12:12	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0134.AS296	30	12:14	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	
0135.AS296	180	12:15	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	
0136.COMP	10	12:18	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0137.Hen1341	12	12:20	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0138.Hen1341	25	12:21	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0139.Hen1341	150	12:21	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0140.COMP	10	12:24	17:08:36.0	-17:26:30	300	89	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>
0141-0150.BIAS	0	12:29	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0151-0164.FLAT	7	12:34	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0165.FLAT	7	12:34	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	end of FAST run
0166-0175.BIAS	0	12:36	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	4	