

UT Date 2012-12-08 Observers IrwinColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0003.BIAS	0	00:18	21:57:34.3	+31:26:32	300	87	3.0	0 Calibration	2	
0004.BIAS	0	00:25	22:08:51.5	+31:26:26	300	88	3.0	0 Calibration	1	test
0005.COMP	5	00:26	22:08:51.5	+31:26:26	300	88	3.0	0 Calibration	1	test
0006.BIAS	0	00:36	22:08:51.5	+31:26:26	300	88	3.0	0 Calibration	2	standard setup
0007-0015.BIAS	0	00:38	22:08:51.5	+31:26:26	300	88	3.0	0 Calibration	2	
0016-0035.FLAT	7	00:44	22:08:51.5	+31:26:26	300	88	3.0	0 Calibration	2	
0036.N7331	300	01:23	22:37:04.1	+34:24:56	300	88	3.0	#57 Velocity S	2	
0037.COMP	10	01:28	22:37:04.1	+34:24:56	300	88	3.0	0 Calibration	2	
0038.BDp174708	90	01:30	22:11:31.4	+18:05:34	300	88	3.0	#56 Spectropho	2	
0039.COMP	10	01:32	22:11:31.4	+18:05:34	300	88	3.0	0 Calibration	2	
0040.Feige110	180	01:34	23:19:58.4	-05:09:56	300	88	3.0	#56 Spectropho	2	
0041.COMP	10	01:37	23:19:58.4	-05:09:56	300	88	3.0	0 Calibration	2	
0042.psn2240	1200	01:42	22:40:17.0	-02:25:34	300	19	3.0	#2 SN Observat	2	
0043.COMP	10	02:02	22:40:17.0	-02:25:34	300	18	3.0	0 Calibration	2	
0044.RAqr	1	02:04	23:43:49.0	-15:17:05	300	18	3.0	#12 Symbiotic	2	
0045.RAqr	5	02:04	23:43:49.0	-15:17:05	300	18	3.0	#12 Symbiotic	2	
0046.RAqr	10	02:04	23:43:49.0	-15:17:05	300	18	3.0	#12 Symbiotic	2	
0047.COMP	10	02:05	23:43:49.0	-15:17:05	300	18	3.0	0 Calibration	2	
0048.ZAnd	1	02:07	23:33:40.0	+48:49:06	300	18	3.0	#12 Symbiotic	2	
0049.ZAnd	5	02:07	23:33:40.0	+48:49:06	300	18	3.0	#12 Symbiotic	2	

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0050.ZAnd	30	02:08	23:33:40.0	+48:49:06	300	18	3.0	#12 Symbiotic	2	
0051.COMP	10	02:09	23:33:40.0	+48:49:06	300	18	3.0	0 Calibration	2	
0052.lsqr12gdj	1800	02:12	23:54:43.3	-25:40:34	300	1	3.0	#2 SN Observat	2	
0053.COMP	10	02:42	23:54:43.3	-25:40:34	300	1	3.0	0 Calibration	2	
0054.EGAnd	1	02:44	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0055.EGAnd	5	02:45	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0056.EGAnd	10	02:45	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0057.COMP	10	02:46	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0058.AXPer	4	02:49	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0059.AXPer	30	02:49	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0060.AXPer	90	02:50	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0061.COMP	10	02:52	01:36:23.0	+54:15:03	300	90	3.0	0 Calibration	2	
0062.Group909	1800	02:57	00:37:41.1	-09:03:23	300	98	3.0	#214 SDSS Comp	2	dark current v. high
0063.COMP	10	03:28	00:37:41.1	-09:03:23	300	98	3.0	0 Calibration	2	
0064.Group909	1800	03:28	00:37:41.1	-09:03:23	300	98	3.0	#214 SDSS Comp	2	
0065.Group909	1800	03:59	00:37:41.1	-09:03:23	300	98	3.0	#214 SDSS Comp	2	
0066.COMP	10	04:29	00:37:41.1	-09:03:23	300	99	3.0	0 Calibration	2	
0067.03443154+3912262	720	04:32	03:44:31.5	+39:12:26	300	90	3.0	#141 2Mass Red	2	galaxy is the fuzzy one lower y
0068.COMP	10	04:44	03:44:31.5	+39:12:26	300	90	3.0	0 Calibration	2	
0069.03444530+3021303	1012	04:45	03:44:45.3	+30:21:30	300	110	3.0	#141 2Mass Red	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.COMP	10	05:03	03:44:45.3	+30:21:30	300	110	3.0	0 Calibration	2	
0071.03451780+3923118	720	05:04	03:45:17.8	+39:23:12	300	110	3.0	#141 2Mass Red	2	
0072.COMP	10	05:16	03:45:17.8	+39:23:12	300	110	3.0	0 Calibration	2	
0073.04295162+2324594	1200	05:19	04:29:51.6	+23:24:59	300	85	3.0	#141 2Mass Red	2	
0074.COMP	10	05:39	04:29:51.6	+23:24:59	300	85	3.0	0 Calibration	2	
0075.04295162+2324594	805	05:40	04:29:51.6	+23:24:59	300	85	3.0	#141 2Mass Red	2	
0076.sn2012fr	720	05:57	03:33:36.0	-36:07:38	300	46	3.0	#2 SN Observat	2	
0077.COMP	10	06:09	03:33:36.0	-36:07:38	300	45	3.0	0 Calibration	2	
0078.04305047+2326182	1500	06:15	04:30:50.5	+23:26:18	300	46	3.0	#141 2Mass Red	2	
0079.COMP	10	06:40	04:30:50.5	+23:26:18	300	46	3.0	0 Calibration	2	
0080.GITau	240	06:42	04:33:34.0	+24:21:18	300	46	3.0	#12 Symbiotic	2	
0081.COMP	10	06:46	04:33:34.0	+24:21:18	300	45	3.0	0 Calibration	2	
0082.GKTau	240	06:47	04:33:34.5	+24:21:07	300	45	3.0	#12 Symbiotic	2	
0083.COMP	10	06:51	04:33:34.5	+24:21:07	300	45	3.0	0 Calibration	2	
0084.ls12fuk	1800	06:55	04:58:15.9	-16:17:58	300	44	3.0	#2 SN Observat	2	
0085.COMP	10	07:25	04:58:15.9	-16:17:58	300	44	3.0	0 Calibration	2	
0086.BGGem	300	07:28	06:03:31.0	+27:41:50	300	45	3.0	#12 Symbiotic	2	
0087.COMP	10	07:33	06:03:31.0	+27:41:50	300	45	3.0	0 Calibration	2	
0088.dc073341p2227	1800	07:38	07:33:41.3	+22:27:59	300	76	3.0	#99 Director	2	
0089.COMP	10	08:08	07:33:41.3	+22:27:59	300	76	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.dC074743p1733	900	08:10	07:47:43.3	+17:33:02	300	77	3.0	#99 Director	2	
0091.COMP	10	08:26	07:47:43.3	+17:33:02	300	77	3.0	0 Calibration	2	
0092.dC084259p2257	1600	08:27	08:42:59.8	+22:57:30	300	75	3.0	#99 Director	2	
0093.COMP	10	08:54	08:42:59.8	+22:57:30	300	75	3.0	0 Calibration	2	
0094.06130162+3225155	1800	08:58	06:13:01.6	+32:25:15	300	75	3.0	#141 2Mass Red	2	
0095.COMP	10	09:28	06:13:01.6	+32:25:15	300	75	3.0	0 Calibration	2	
0096.BXMon	15	09:31	07:25:23.0	-03:35:51	300	10	3.0	#12 Symbiotic	2	
0097.BXMon	180	09:31	07:25:23.0	-03:35:51	300	10	3.0	#12 Symbiotic	2	
0098.COMP	10	09:35	07:25:23.0	-03:35:51	300	9	3.0	0 Calibration	2	
0099.SS129	300	09:37	07:32:45.0	-26:49:16	300	9	3.0	#12 Symbiotic	2	
0100.SS129	300	09:42	07:32:45.0	-26:49:16	300	10	3.0	#12 Symbiotic	2	
0101.COMP	10	09:47	07:32:45.0	-26:49:16	300	10	3.0	0 Calibration	2	
0102.sn2012hg	1800	09:50	07:07:25.6	+56:18:19	300	10	3.0	#2 SN Observat	2	
0103.COMP	10	10:21	07:07:25.6	+56:18:19	300	10	3.0	0 Calibration	2	
0104.07544758+6301019	720	10:22	07:54:47.6	+63:01:02	300	10	3.0	#141 2Mass Red	2	
0105.COMP	10	10:35	07:54:47.6	+63:01:02	300	10	3.0	0 Calibration	2	
0106.dC073341p2227	1800	10:38	07:33:41.3	+22:27:59	300	74	3.0	#99 Director	2	
0107.COMP	10	11:08	07:33:41.3	+22:27:59	300	74	3.0	0 Calibration	2	
0108.dC074743p1733	900	11:09	07:47:43.3	+17:33:02	300	75	3.0	#99 Director	2	
0109.COMP	10	11:25	07:47:43.3	+17:33:02	300	75	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0110.dC084259p2257	1600	11:26	08:42:59.8	+22:57:30	300	74	3.0	#99 Director	2	
0111.COMP	10	11:53	08:42:59.8	+22:57:30	300	74	3.0	0 Calibration	2	
0112.sn2012hj	1800	11:55	11:07:19.2	+46:22:46	300	102	3.0	#2 SN Observat	2	
0113.COMP	10	12:25	11:07:19.2	+46:22:46	300	102	3.0	0 Calibration	2	
0114.bcg041	900	12:27	11:39:21.1	+55:37:30	300	89	3.0	#210 Brightest	2	
0115.COMP	10	12:42	11:39:21.1	+55:37:30	300	89	3.0	0 Calibration	2	
0116.HD84937	20	12:44	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0117.HD84937	20	12:44	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0118.HD84937	20	12:45	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0119.COMP	10	12:46	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0120.Feige34	180	12:47	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0121.COMP	10	12:51	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0122.TXCVn	10	12:52	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0123.TXCVn	30	12:53	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0124.COMP	10	12:53	12:44:42.0	+36:45:48	300	89	3.0	0 Calibration	2	
0125-0144.FLAT	7	13:01	12:44:42.0	+36:45:48	300	89	3.0	0 Calibration	2	
0145.HD84937	10	13:04	09:48:56.1	+13:44:39	300	40	5.0	#56 Spectropho	4	5sec slit, binby4
0146.HD84937	10	13:05	09:48:56.1	+13:44:39	300	40	5.0	#56 Spectropho	4	
0147.HD84937	10	13:05	09:48:56.1	+13:44:39	300	40	5.0	#56 Spectropho	4	
0148.HD84937	10	13:05	09:48:56.1	+13:44:39	300	40	5.0	#56 Spectropho	4	

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0149.HD84937	10	13:06	09:48:56.1	+13:44:39	300	40	5.0	#56 Spectropho	4	
0150.COMP	5	13:06	09:48:56.1	+13:44:39	300	40	5.0	0 Calibration	4	
0151.Feige34	120	13:08	10:39:36.7	+43:06:09	300	90	5.0	#56 Spectropho	4	
0152.Feige34	120	13:10	10:39:36.7	+43:06:09	300	90	5.0	#56 Spectropho	4	
0153.Feige34	120	13:12	10:39:36.7	+43:06:09	300	90	5.0	#56 Spectropho	4	
0154.Feige34	120	13:14	10:39:36.7	+43:06:09	300	90	5.0	#56 Spectropho	4	
0155.Feige34	120	13:16	10:39:36.7	+43:06:09	300	90	5.0	#56 Spectropho	4	
0156.COMP	5	13:19	10:39:36.7	+43:06:09	300	90	5.0	0 Calibration	4	
0157.FLAT	3	13:24	10:39:36.7	+43:06:09	300	90	5.0	0 Calibration	4	
0158-0177.FLAT	2	13:28	10:39:36.7	+43:06:09	300	90	5.0	0 Calibration	4	
0178-0192.BIAS	0	13:31	10:39:36.7	+43:06:09	300	90	5.0	0 Calibration	4	
0193-0207.BIAS	0	13:35	10:39:36.7	+43:06:09	300	90	5.0	0 Calibration	2	
0208-0212.DARK	900	14:46	10:39:36.7	+43:06:09	300	90	5.0	0 Calibration	2	
0213-0217.DARK	900	16:02	10:39:36.7	+43:06:09	300	90	5.0	0 Calibration	4	

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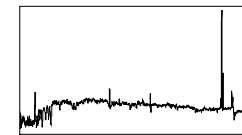
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0002.COMP	5	22:49	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	test junk
0003.COMP	5	22:54	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	test junk
0004.FLAT	12	22:56	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	600 tilt 445, 1.5sec, binby4, Brown
0005-0023.FLAT	12	23:03	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0024-0038.BIAS	0	23:07	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0039-0043.DARK	900	00:14	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0044.Feige110	300	01:14	23:19:58.4	-05:09:56	600	-4	1.5	#56 Spectropho	4	thin clouds, weak
0045.COMP	10	01:19	23:19:58.4	-05:09:56	600	-4	1.5	0 Calibration	4	
0046.Feige110	720	01:21	23:19:58.4	-05:09:56	600	-4	1.5	#56 Spectropho	4	a bit better
0047.lmwd504	590	01:37	01:08:30.0	+44:10:24	600	91	1.5	#178 Low Mass	4	
0048.COMP	10	01:48	01:08:30.0	+44:10:24	600	90	1.5	0 Calibration	4	
0049.lmwd504	590	01:48	01:08:30.0	+44:10:24	600	90	1.5	#178 Low Mass	4	
0050.lmwd504	590	01:58	01:08:30.0	+44:10:24	600	90	1.5	#178 Low Mass	4	
0051.lmwd504	590	02:08	01:08:30.0	+44:10:24	600	90	1.5	#178 Low Mass	4	
0052.COMP	10	02:18	01:08:30.0	+44:10:24	600	90	1.5	0 Calibration	4	
0053.lmwd504	590	02:20	01:08:30.0	+44:10:24	600	90	1.5	#178 Low Mass	4	
0054.lmwd504	590	02:30	01:08:30.0	+44:10:24	600	90	1.5	#178 Low Mass	4	
0055.lmwd504	590	02:40	01:08:30.0	+44:10:24	600	90	1.5	#178 Low Mass	4	
0056.COMP	10	02:50	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0057.lmwd504	590	02:52	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	

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0058.lmwd504	590	03:02	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0059.lmwd504	590	03:12	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0060.COMP	10	03:22	01:08:30.0	+44:10:24	600	88	1.5	0 Calibration	4	
0061.lmwd504	590	03:24	01:08:30.0	+44:10:24	600	88	1.5	#178 Low Mass	4	
0062.lmwd504	590	03:34	01:08:30.0	+44:10:24	600	88	1.5	#178 Low Mass	4	
0063.lmwd504	590	03:44	01:08:30.0	+44:10:24	600	90	1.5	#178 Low Mass	4	
0064.COMP	10	03:54	01:08:30.0	+44:10:24	600	90	1.5	0 Calibration	4	
0065.lmwd504	590	03:55	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0066.lmwd504	590	04:05	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0067.lmwd504	590	04:15	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0068.COMP	10	04:25	01:08:30.0	+44:10:24	600	90	1.5	0 Calibration	4	
0069.lmwd504	590	04:27	01:08:30.0	+44:10:24	600	90	1.5	#178 Low Mass	4	
0070.lmwd504	590	04:37	01:08:30.0	+44:10:24	600	90	1.5	#178 Low Mass	4	
0071.lmwd504	590	04:47	01:08:30.0	+44:10:24	600	90	1.5	#178 Low Mass	4	
0072.COMP	5	05:04	01:08:30.0	+44:10:24	1200	90	2.0	0 Calibration	2	test
0073.COMP	5	05:06	01:08:30.0	+44:10:24	1200	90	2.0	0 Calibration	2	test
0074.COMP	5	05:07	01:08:30.0	+44:10:24	1200	90	2.0	0 Calibration	2	test
0075.FLAT	15	05:09	01:08:30.0	+44:10:24	1200	90	2.0	0 Calibration	2	1200 tilt 850, spacer, GG495, 2sec, binby2, Zexas
0076-0089.FLAT	15	05:15	01:08:30.0	+44:10:24	1200	90	2.0	0 Calibration	2	
0090.4U0115p634	1800	05:18	01:18:32.0	+63:44:33	1200	90	2.0	#176 Be/X-ray	2	some cloud

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0091.COMP	10	05:48	01:18:32.0	+63:44:33	1200	90	2.0	0 Calibration	2	
0092.IGRJ01363p6610	1613	05:50	01:35:49.8	+66:12:43	1200	90	2.0	#176 Be/X-ray	2	abandoned due to increasingly thick cloud
0093.COMP	10	06:17	01:35:49.8	+66:12:43	1200	90	2.0	0 Calibration	2	
0094.HD19445	30	06:50	03:08:26.3	+26:20:29	1200	90	2.0	#176 Be/X-ray	2	
0095.COMP	10	06:51	03:08:26.3	+26:20:29	1200	90	2.0	0 Calibration	2	
0096.HD19445	90	06:52	03:08:26.3	+26:20:29	1200	90	2.0	#176 Be/X-ray	2	
0097.LSIP61303	120	06:55	02:40:31.6	+61:13:46	1200	90	2.0	#176 Be/X-ray	2	
0098.COMP	10	06:57	02:40:31.6	+61:13:46	1200	90	2.0	0 Calibration	2	
0099.XPer	4	06:59	03:55:23.0	+31:02:45	1200	90	2.0	#176 Be/X-ray	2	
0100.COMP	10	06:59	03:55:23.0	+31:02:45	1200	90	2.0	0 Calibration	2	
0101.RXJ04409p4431	570	07:02	04:41:00.6	+44:31:50	1200	86	2.0	#176 Be/X-ray	2	
0102.COMP	10	07:11	04:41:00.6	+44:31:50	1200	86	2.0	0 Calibration	2	
0103.A0535p262	120	07:13	05:38:54.5	+26:18:57	1200	86	2.0	#176 Be/X-ray	2	
0104.COMP	10	07:15	05:38:54.5	+26:18:57	1200	86	2.0	0 Calibration	2	
0105.IGRJ06074p2205	962	07:16	06:07:26.6	+22:05:48	1200	86	2.0	#176 Be/X-ray	2	
0106.COMP	10	07:33	06:07:26.6	+22:05:48	1200	88	2.0	0 Calibration	2	
0107.MXB0656-072	1500	07:34	06:58:17.2	-07:12:35	1200	89	2.0	#176 Be/X-ray	2	
0108.COMP	10	08:00	06:58:17.2	-07:12:35	1200	89	2.0	0 Calibration	2	
0109.COMP	5	08:06	06:58:17.2	-07:12:35	300	89	3.0	0 Calibration	2	test
0110.COMP	5	08:07	06:58:17.2	-07:12:35	300	89	3.0	0 Calibration	2	test

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0111.COMP	5	08:09	06:58:17.2	-07:12:35	300	89	3.0	0 Calibration	2	test
0112.COMP	5	08:10	06:58:17.2	-07:12:35	300	89	3.0	0 Calibration	2	test
0113.FLAT	7	08:12	06:58:17.2	-07:12:35	300	89	3.0	0 Calibration	2	standard setup
0114-0132.FLAT	7	08:17	06:58:17.2	-07:12:35	300	89	3.0	0 Calibration	2	
0133.dC073341p2227	1800	08:21	07:33:41.3	+22:27:59	300	75	3.0	#99 Director	2	conditions not great, weak
0134.COMP	10	08:51	07:33:41.3	+22:27:59	300	75	3.0	0 Calibration	2	
0135.dC074743p1733	900	08:52	07:47:43.3	+17:33:02	300	75	3.0	#99 Director	2	
0136.COMP	10	09:08	07:47:43.3	+17:33:02	300	75	3.0	0 Calibration	2	
0137.dC084259p2257	1600	09:21	08:42:59.8	+22:57:30	300	73	3.0	#99 Director	2	
0138.COMP	10	09:48	08:42:59.8	+22:57:30	300	73	3.0	0 Calibration	2	
0139.sn2012hg	1800	09:51	07:07:25.6	+56:18:19	300	15	3.0	#2 SN Observat	2	
0140.COMP	10	10:22	07:07:25.6	+56:18:19	300	15	3.0	0 Calibration	2	
0141.N3379	600	10:32	10:47:49.6	+12:34:54	300	90	3.0	#57 Velocity S	2	
0142.COMP	10	10:42	10:47:49.6	+12:34:54	300	90	3.0	0 Calibration	2	
0143.08503721-2455302	1800	10:44	08:50:37.2	-24:55:30	300	90	3.0	#141 2Mass Red	2	
0144.COMP	10	11:14	08:50:37.2	-24:55:30	300	90	3.0	0 Calibration	2	
0145.dC073341p2227	1800	11:18	07:33:41.3	+22:27:59	300	76	3.0	#99 Director	2	
0146.COMP	10	11:49	07:33:41.3	+22:27:59	300	76	3.0	0 Calibration	2	
0147.dC074743p1733	900	11:50	07:47:43.3	+17:33:02	300	76	3.0	#99 Director	2	
0148.COMP	10	12:05	07:47:43.3	+17:33:02	300	76	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0149.dC084259p2257	1600	12:07	08:42:59.8	+22:57:30	300	75	3.0	#99 Director	2	
0150.COMP	10	12:34	08:42:59.8	+22:57:30	300	75	3.0	0 Calibration	2	
0151.sn2012hj	1800	12:37	11:07:19.2	+46:22:46	300	100	3.0	#2 SN Observat	2	
0152.COMP	10	13:07	11:07:19.2	+46:22:46	300	98	3.0	0 Calibration	2	
0153.Feige34	300	13:09	10:39:36.7	+43:06:09	300	100	3.0	#56 Spectropho	2	
0154.COMP	10	13:14	10:39:36.7	+43:06:09	300	100	3.0	0 Calibration	2	
0155.HD84937	20	13:16	09:48:56.1	+13:44:39	300	40	3.0	#56 Spectropho	2	
0156.HD84937	20	13:17	09:48:56.1	+13:44:39	300	40	3.0	#56 Spectropho	2	
0157.HD84937	20	13:17	09:48:56.1	+13:44:39	300	40	3.0	#56 Spectropho	2	
0158.COMP	10	13:18	09:48:56.1	+13:44:39	300	40	3.0	0 Calibration	2	
0159-0168.BIAS	0	13:23	09:48:56.1	+13:44:39	300	91	3.0	0 Calibration	4	
0169-0178.FLAT	4	13:25	09:48:56.1	+13:44:39	300	91	3.0	0 Calibration	4	
0179-0188.BIAS	0	13:27	09:48:56.1	+13:44:39	300	91	3.0	0 Calibration	2	
0189-0203.FLAT	7	13:31	09:48:56.1	+13:44:39	300	91	3.0	0 Calibration	2	
0204-0208.DARK	900	14:41	09:48:56.1	+13:44:39	300	91	3.0	0 Calibration	2	
0209-0213.DARK	900	15:57	09:48:56.1	+13:44:39	300	91	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	23:37	09:48:56.1	+13:44:39	300	91	3.0	0 Calibration	4	
0006.COMP	5	00:01	09:48:56.1	+13:44:39	600	91	1.5	0 Calibration	4	test
0007.FLAT	12	00:03	09:48:56.1	+13:44:39	600	91	1.5	0 Calibration	4	600 tilt 445, 1.5sec, binby4, Brown
0008-0026.FLAT	12	00:10	09:48:56.1	+13:44:39	600	91	1.5	0 Calibration	4	
0027-0041.BIAS	0	00:12	09:48:56.1	+13:44:39	600	91	1.5	0 Calibration	4	
0042.Feige110	540	01:09	23:19:58.4	-05:09:56	600	-4	1.5	#56 Spectropho	4	
0043.COMP	10	01:18	23:19:58.4	-05:09:56	600	-4	1.5	0 Calibration	4	
0044.lmwd483	1370	01:23	21:51:59.2	+16:14:49	600	50	1.5	#178 Low Mass	4	
0045.COMP	10	01:46	21:51:59.2	+16:14:49	600	50	1.5	0 Calibration	4	
0046.lmwd483	1370	01:48	21:51:59.2	+16:14:49	600	50	1.5	#178 Low Mass	4	
0047.lmwd483	1370	02:13	21:51:59.2	+16:14:49	600	50	1.5	#178 Low Mass	4	
0048.COMP	10	02:36	21:51:59.2	+16:14:49	600	50	1.5	0 Calibration	4	
0049.lmwd483	1370	02:38	21:51:59.2	+16:14:49	600	50	1.5	#178 Low Mass	4	
0050.lmwd483	1370	03:01	21:51:59.2	+16:14:49	600	50	1.5	#178 Low Mass	4	
0051.COMP	10	03:24	21:51:59.2	+16:14:49	600	50	1.5	0 Calibration	4	
0052.lmwd483	1370	03:25	21:51:59.2	+16:14:49	600	50	1.5	#178 Low Mass	4	seeing getting a lot worse
0053.lmwd507	990	03:50	01:17:09.9	+44:36:51	600	90	1.5	#178 Low Mass	4	seeing atrocious
0054.COMP	10	04:07	01:17:09.9	+44:36:51	600	90	1.5	0 Calibration	4	
0055.lmwd507	990	04:07	01:17:09.9	+44:36:51	600	90	1.5	#178 Low Mass	4	
0056.lmwd507	990	04:24	01:17:09.9	+44:36:51	600	90	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.lmwd507	990	04:41	01:17:09.9	+44:36:51	600	89	1.5	#178 Low Mass	4	
0058.COMP	10	04:57	01:17:09.9	+44:36:51	600	89	1.5	0 Calibration	4	
0059.lmwd507	990	04:59	01:17:09.9	+44:36:51	600	89	1.5	#178 Low Mass	4	seeing improving, focus adj
0060.lmwd507	990	05:16	01:17:09.9	+44:36:51	600	89	1.5	#178 Low Mass	4	
0061.lmwd507	990	05:32	01:17:09.9	+44:36:51	600	89	1.5	#178 Low Mass	4	
0062.COMP	10	05:49	01:17:09.9	+44:36:51	600	90	1.5	0 Calibration	4	
0063.lmwd507	990	05:51	01:17:09.9	+44:36:51	600	90	1.5	#178 Low Mass	4	
0064.lmwd507	990	06:08	01:17:09.9	+44:36:51	600	90	1.5	#178 Low Mass	4	
0065.lmwd507	990	06:24	01:17:09.9	+44:36:51	600	90	1.5	#178 Low Mass	4	seeing getting worse again
0066.COMP	10	06:41	01:17:09.9	+44:36:51	600	90	1.5	0 Calibration	4	
0067.lmwd507	990	06:45	01:17:09.9	+44:36:51	600	90	1.5	#178 Low Mass	4	
0068.COMP	5	07:06	01:17:09.9	+44:36:51	300	90	3.0	0 Calibration	2	test
0069.FLAT	7	07:08	01:17:09.9	+44:36:51	300	90	3.0	0 Calibration	2	standard setup
0070-0088.FLAT	7	07:14	01:17:09.9	+44:36:51	300	90	3.0	0 Calibration	2	
0089.psn0501	1529	07:18	05:01:29.9	-13:43:46	300	0	3.0	#2 SN Observat	2	
0090.COMP	10	07:44	05:01:29.9	-13:43:46	300	1	3.0	0 Calibration	2	
0091.NGC1700	300	07:48	04:56:56.3	-04:51:57	300	0	3.0	#57 Velocity S	2	
0092.COMP	10	07:53	04:56:56.3	-04:51:57	300	0	3.0	0 Calibration	2	
0093.psn0354	1500	07:57	03:54:17.3	+36:30:39	300	90	3.0	#2 SN Observat	2	
0094.COMP	10	08:23	03:54:17.3	+36:30:39	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
0095.sn2012hg	1800	08:27	07:07:25.6	+56:18:19	300	10	3.0	#2 SN Observat	2	
0096.COMP	10	08:58	07:07:25.6	+56:18:19	300	10	3.0	0 Calibration	2	
0097.Hiltner600	90	09:00	06:45:13.4	+02:08:15	300	10	3.0	#56 Spectropho	2	
0098.COMP	10	09:02	06:45:13.4	+02:08:15	300	10	3.0	0 Calibration	2	
0099.G191B2B	300	09:05	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0100.COMP	10	09:10	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0101.COMP	5	09:16	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	test
0102.FLAT	12	09:18	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	600 tilt 445, 1.5sec, binby4, Brown
0103-0121.FLAT	12	09:24	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	
0122.hotwd077	1350	09:28	06:36:08.5	-20:34:20	600	5	1.5	#178 Low Mass	4	seeing still not great
0123.COMP	10	09:51	06:36:08.5	-20:34:20	600	5	1.5	0 Calibration	4	
0124.hotwd080	1010	09:53	08:01:24.3	-07:55:52	600	5	1.5	#178 Low Mass	4	
0125.COMP	10	10:10	08:01:24.3	-07:55:52	600	5	1.5	0 Calibration	4	
0126.hotwd085	1290	10:15	09:17:28.5	+49:41:21	600	89	1.5	#178 Low Mass	4	
0127.COMP	10	10:37	09:17:28.5	+49:41:21	600	89	1.5	0 Calibration	4	
0128.hotwd089	1340	10:39	09:46:27.8	+31:32:11	600	89	1.5	#178 Low Mass	4	
0129.COMP	10	11:02	09:46:27.8	+31:32:11	600	90	1.5	0 Calibration	4	
0130.hotwd092	1040	11:04	09:58:20.5	+22:43:10	600	87	1.5	#178 Low Mass	4	
0131.COMP	10	11:21	09:58:20.5	+22:43:10	600	87	1.5	0 Calibration	4	
0132.hotwd088	1040	11:23	09:43:15.6	-01:22:47	600	89	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0133.COMP	10	11:41	09:43:15.6	-01:22:47	600	89	1.5	0 Calibration	4	
0134.Feige34	540	11:43	10:39:36.7	+43:06:09	600	88	1.5	#56 Spectropho	4	
0135.COMP	10	11:52	10:39:36.7	+43:06:09	600	88	1.5	0 Calibration	4	
0136.COMP	5	11:58	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	test
0137.COMP	5	11:59	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	test
0138.sn2012hj	1800	12:06	11:07:19.2	+46:22:46	300	99	3.0	#2 SN Observat	2	
0139.COMP	10	12:36	11:07:19.2	+46:22:46	300	99	3.0	0 Calibration	2	
0140.sn2012hf	1800	12:40	10:56:57.5	-14:17:38	300	100	3.0	#2 SN Observat	2	
0141.COMP	10	13:11	10:56:57.5	-14:17:38	300	100	3.0	0 Calibration	2	
0142.Feige34	180	13:13	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0143.COMP	10	13:16	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0144.HD84937	20	13:18	09:48:56.1	+13:44:39	300	40	3.0	#56 Spectropho	2	
0145.HD84937	20	13:19	09:48:56.1	+13:44:39	300	40	3.0	#56 Spectropho	2	
0146.HD84937	20	13:19	09:48:56.1	+13:44:39	300	40	3.0	#56 Spectropho	2	
0147.COMP	10	13:20	09:48:56.1	+13:44:39	300	40	3.0	0 Calibration	2	
0148-0167.FLAT	7	13:29	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0168-0182.BIAS	0	13:32	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0183-0197.BIAS	0	13:35	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	4	
0198-0202.DARK	900	14:43	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0203-0207.DARK	900	16:00	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:33	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	standard setup
0002-0005.DARK	900	23:35	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0006-0015.BIAS	0	23:51	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	4	
0016-0025.FLAT	4	23:54	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	4	
0026-0035.BIAS	0	23:56	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0036-0050.FLAT	7	00:00	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0051.BDp174708	90	01:07	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0052.BDp174708	90	01:09	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0053.COMP	10	01:11	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0054.Feige110	180	01:13	23:19:58.4	-05:09:56	300	-4	3.0	#56 Spectropho	2	
0055.COMP	10	01:17	23:19:58.4	-05:09:56	300	-4	3.0	0 Calibration	2	
0056.M31	91	01:19	00:42:44.3	+41:16:09	300	4	3.0	#57 Velocity S	2	
0057.COMP	10	01:21	00:42:44.3	+41:16:09	300	4	3.0	0 Calibration	2	
0058.sn2009ip	1800	01:26	22:23:08.3	-28:56:52	300	5	3.0	#2 SN Observat	2	
0059.COMP	10	01:56	22:23:08.3	-28:56:52	300	5	3.0	0 Calibration	2	
0060.COMP	5	02:02	22:23:08.3	-28:56:52	600	50	1.5	0 Calibration	4	test
0061.COMP	5	02:03	22:23:08.3	-28:56:52	600	50	1.5	0 Calibration	4	test
0062.COMP	5	02:04	22:23:08.3	-28:56:52	600	50	1.5	0 Calibration	4	test
0063.lmwd483	1370	02:07	21:51:59.2	+16:14:49	600	50	1.5	#178 Low Mass	4	600 tilt 445, 1.5sec, binby4, Brown
0064.COMP	10	02:31	21:51:59.2	+16:14:49	600	50	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0065.lmwd483	1370	02:34	21:51:59.2	+16:14:49	600	50	1.5	#178 Low Mass	4	
0066.lmwd483	1370	02:56	21:51:59.2	+16:14:49	600	50	1.5	#178 Low Mass	4	
0067.COMP	10	03:20	21:51:59.2	+16:14:49	600	50	1.5	0 Calibration	4	
0068.lmwd483	1370	03:22	21:51:59.2	+16:14:49	600	49	1.5	#178 Low Mass	4	
0069.COMP	10	03:45	21:51:59.2	+16:14:49	600	49	1.5	0 Calibration	4	
0070.Feige110	540	03:47	23:19:58.4	-05:09:56	600	49	1.5	#56 Spectropho	4	
0071.COMP	10	03:56	23:19:58.4	-05:09:56	600	49	1.5	0 Calibration	4	
0072-0090.FLAT	12	04:04	23:19:58.4	-05:09:56	600	90	1.5	0 Calibration	4	
0091.FLAT	12	04:05	23:19:58.4	-05:09:56	600	90	1.5	0 Calibration	4	junk oops sorry
0092.COMP	5	04:09	23:19:58.4	-05:09:56	1200	90	2.0	0 Calibration	2	test
0093.COMP	5	04:11	23:19:58.4	-05:09:56	1200	90	2.0	0 Calibration	2	test
0094.FLAT	15	04:12	23:19:58.4	-05:09:56	1200	90	2.0	0 Calibration	2	1200 tilt 850, spacer, GG495, 2sec, binby2, Zezas
0095-0108.FLAT	15	04:18	23:19:58.4	-05:09:56	1200	90	2.0	0 Calibration	2	
0109.RXJ01469p6121	240	04:20	01:47:00.0	+61:21:23	1200	90	2.0	#176 Be/X-ray	2	
0110.COMP	10	04:25	01:47:00.0	+61:21:23	1200	90	2.0	0 Calibration	2	
0111.IGRJ01583p6713	1500	04:26	01:58:18.2	+67:13:26	1200	89	2.0	#176 Be/X-ray	2	
0112.COMP	10	04:51	01:58:18.2	+67:13:26	1200	89	2.0	0 Calibration	2	
0113.V0332p53	1800	04:53	03:34:59.8	+53:10:24	1200	90	2.0	#176 Be/X-ray	2	
0114.COMP	10	05:23	03:34:59.8	+53:10:24	1200	90	2.0	0 Calibration	2	
0115.HD19445	30	05:25	03:08:26.3	+26:20:29	1200	90	2.0	#176 Be/X-ray	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0116.COMP	10	05:26	03:08:26.3	+26:20:29	1200	90	2.0	0 Calibration	2	
0117.COMP	5	05:31	03:08:26.3	+26:20:29	300	90	3.0	0 Calibration	2	test
0118.COMP	5	05:32	03:08:26.3	+26:20:29	300	90	3.0	0 Calibration	2	test
0119.sn2012fr	900	05:49	03:33:36.0	-36:07:38	300	30	3.0	#2 SN Observat	2	standard setup. scope was really unhappy down here, this was 2
0120.COMP	10	06:04	03:33:36.0	-36:07:38	300	30	3.0	0 Calibration	2	
0121-0140.FLAT	7	06:12	03:33:36.0	-36:07:38	300	90	3.0	0 Calibration	2	
0141.03473683+3922058	918	06:15	03:47:36.8	+39:22:06	300	90	3.0	#141 2Mass Red	2	
0142.COMP	10	06:30	03:47:36.8	+39:22:06	300	90	3.0	0 Calibration	2	
0143.04243873+2141535	1500	06:32	04:24:38.7	+21:41:53	300	90	3.0	#141 2Mass Red	2	
0144.COMP	10	06:57	04:24:38.7	+21:41:53	300	90	3.0	0 Calibration	2	oops
0145.COMP	10	06:58	04:24:38.7	+21:41:53	300	90	3.0	0 Calibration	2	use this one
0146.ls12fuk	1800	07:01	04:58:15.9	-16:17:58	300	21	3.0	#2 SN Observat	2	very weak, did I mess up. inevitable I guess given the name.
0147.COMP	10	07:32	04:58:15.9	-16:17:58	300	21	3.0	0 Calibration	2	
0148.05170984+1238502	1800	07:35	05:17:09.8	+12:38:50	300	89	3.0	#141 2Mass Red	2	
0149.COMP	10	08:06	05:17:09.8	+12:38:50	300	89	3.0	0 Calibration	2	
0150.COMP	5	08:11	05:17:09.8	+12:38:50	600	89	1.5	0 Calibration	4	test
0151.COMP	5	08:12	05:17:09.8	+12:38:50	600	89	1.5	0 Calibration	4	test
0152.COMP	5	08:14	05:17:09.8	+12:38:50	600	89	1.5	0 Calibration	4	test
0153.COMP	5	08:15	05:17:09.8	+12:38:50	600	89	1.5	0 Calibration	4	test gargh
0154.COMP	5	08:17	05:17:09.8	+12:38:50	600	89	1.5	0 Calibration	4	test

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0155.FLAT	12	08:17	05:17:09.8	+12:38:50	600	89	1.5	0 Calibration	4	600 tilt 445, 1.5sec, binby4, Brown
0156-0174.FLAT	12	08:24	05:17:09.8	+12:38:50	600	89	1.5	0 Calibration	4	
0175.bcand416	1180	08:27	08:23:30.4	+08:17:03	600	89	1.5	#178 Low Mass	4	
0176.COMP	10	08:47	08:23:30.4	+08:17:03	600	89	1.5	0 Calibration	4	
0177.bcand416	1180	08:49	08:23:30.4	+08:17:03	600	89	1.5	#178 Low Mass	4	
0178.bcand416	1180	09:09	08:23:30.4	+08:17:03	600	89	1.5	#178 Low Mass	4	
0179.COMP	10	09:29	08:23:30.4	+08:17:03	600	89	1.5	0 Calibration	4	
0180.bcand416	1180	09:30	08:23:30.4	+08:17:03	600	89	1.5	#178 Low Mass	4	
0181.bcand416	1180	09:50	08:23:30.4	+08:17:03	600	89	1.5	#178 Low Mass	4	
0182.COMP	10	10:10	08:23:30.4	+08:17:03	600	89	1.5	0 Calibration	4	
0183.bcand416	1180	10:12	08:23:30.4	+08:17:03	600	89	1.5	#178 Low Mass	4	
0184.bcand416	1180	10:32	08:23:30.4	+08:17:03	600	90	1.5	#178 Low Mass	4	
0185.COMP	10	10:52	08:23:30.4	+08:17:03	600	90	1.5	0 Calibration	4	
0186.bcand416	1180	10:52	08:23:30.4	+08:17:03	600	90	1.5	#178 Low Mass	4	
0187.bcand416	1180	11:12	08:23:30.4	+08:17:03	600	89	1.5	#178 Low Mass	4	
0188.COMP	10	11:32	08:23:30.4	+08:17:03	600	89	1.5	0 Calibration	4	
0190.BIAS	0	11:40	08:23:30.4	+08:17:03	300	89	3.0	0 Calibration	2	test after ccd restart
0191.COMP	5	11:41	08:23:30.4	+08:17:03	300	89	3.0	0 Calibration	2	test
0192.COMP	5	11:42	08:23:30.4	+08:17:03	300	89	3.0	0 Calibration	2	test
0193.sn2012hg	1500	11:45	07:07:25.6	+56:18:19	300	10	3.0	#2 SN Observat	2	standard setup

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0194.COMP	10	12:11	07:07:25.6	+56:18:19	300	10	3.0	0 Calibration	2	
0195.sn2010j1	1500	12:14	09:42:53.3	+09:29:42	300	100	3.0	#2 SN Observat	2	
0196.COMP	10	12:40	09:42:53.3	+09:29:42	300	100	3.0	0 Calibration	2	
0197.sn2012hj	1728	12:42	11:07:19.2	+46:22:46	300	98	3.0	#2 SN Observat	2	
0198.COMP	10	13:11	11:07:19.2	+46:22:46	300	98	3.0	0 Calibration	2	
0199.Feige34	180	13:12	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0200.COMP	10	13:16	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0201.HD84937	20	13:18	09:48:56.1	+13:44:39	300	40	3.0	#56 Spectropho	2	
0202.HD84937	20	13:18	09:48:56.1	+13:44:39	300	40	3.0	#56 Spectropho	2	
0203.HD84937	20	13:19	09:48:56.1	+13:44:39	300	40	3.0	#56 Spectropho	2	
0204.COMP	10	13:20	09:48:56.1	+13:44:39	300	40	3.0	0 Calibration	2	
0205-0214.BIAS	0	13:25	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	4	
0215-0224.FLAT	4	13:27	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	4	
0225-0234.BIAS	0	13:29	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0235-0249.FLAT	7	13:33	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0250-0254.DARK	900	14:42	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0255-0259.DARK	900	15:59	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	23:26	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0006.COMP	5	23:46	09:48:56.1	+13:44:39	600	89	1.5	0 Calibration	4	test
0007.COMP	5	23:48	09:48:56.1	+13:44:39	600	89	1.5	0 Calibration	4	test
0008.COMP	5	23:50	09:48:56.1	+13:44:39	600	89	1.5	0 Calibration	4	test
0009.BIAS	0	23:50	09:48:56.1	+13:44:39	600	89	1.5	0 Calibration	4	600 tilt 445, 1.5sec, binby4, Brown
0010-0023.BIAS	0	23:52	09:48:56.1	+13:44:39	600	89	1.5	0 Calibration	4	
0024-0043.FLAT	12	00:00	09:48:56.1	+13:44:39	600	89	1.5	0 Calibration	4	
0044-0058.BIAS	0	00:06	09:48:56.1	+13:44:39	600	89	1.5	0 Calibration	2	
0059.Feige110	540	01:07	23:19:58.4	-05:09:56	600	-4	1.5	#56 Spectropho	4	
0060.COMP	10	01:17	23:19:58.4	-05:09:56	600	-4	1.5	0 Calibration	4	
0061.lmwd480	730	01:24	21:39:07.4	+22:27:09	600	60	1.5	#178 Low Mass	4	
0062.COMP	10	01:37	21:39:07.4	+22:27:09	600	60	1.5	0 Calibration	4	
0063.lmwd480	730	01:39	21:39:07.4	+22:27:09	600	60	1.5	#178 Low Mass	4	
0064.lmwd480	730	01:51	21:39:07.4	+22:27:09	600	60	1.5	#178 Low Mass	4	
0065.COMP	10	02:03	21:39:07.4	+22:27:09	600	60	1.5	0 Calibration	4	
0066.lmwd480	730	02:05	21:39:07.4	+22:27:09	600	60	1.5	#178 Low Mass	4	
0067.lmwd480	730	02:17	21:39:07.4	+22:27:09	600	60	1.5	#178 Low Mass	4	
0068.COMP	10	02:30	21:39:07.4	+22:27:09	600	60	1.5	0 Calibration	4	
0069.lmwd480	730	02:31	21:39:07.4	+22:27:09	600	60	1.5	#178 Low Mass	4	
0070.lmwd480	730	02:44	21:39:07.4	+22:27:09	600	60	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0071.COMP	10	02:56	21:39:07.4	+22:27:09	600	60	1.5	0 Calibration	4	
0072.lmwd480	730	02:57	21:39:07.4	+22:27:09	600	60	1.5	#178 Low Mass	4	
0073.lmwd480	730	03:10	21:39:07.4	+22:27:09	600	59	1.5	#178 Low Mass	4	
0074.COMP	10	03:22	21:39:07.4	+22:27:09	600	59	1.5	0 Calibration	4	
0075.lmwd480	730	03:23	21:39:07.4	+22:27:09	600	59	1.5	#178 Low Mass	4	
0076.COMP	5	03:41	21:39:07.4	+22:27:09	300	89	3.0	0 Calibration	2	test
0077.COMP	5	03:43	21:39:07.4	+22:27:09	300	89	3.0	0 Calibration	2	test
0078.FLAT	7	03:44	21:39:07.4	+22:27:09	300	89	3.0	0 Calibration	2	standard setup
0079-0097.FLAT	7	03:50	21:39:07.4	+22:27:09	300	89	3.0	0 Calibration	2	
0098.M31	90	03:53	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0099.COMP	10	03:55	00:42:44.3	+41:16:09	300	89	3.0	0 Calibration	2	
0100.03522387+3918229	904	03:58	03:52:23.9	+39:18:23	300	89	3.0	#141 2Mass Red	2	
0101.COMP	10	04:14	03:52:23.9	+39:18:23	300	89	3.0	0 Calibration	2	
0102.04092011+2910543	1424	04:15	04:09:20.1	+29:10:54	300	89	3.0	#141 2Mass Red	2	
0103.COMP	10	04:39	04:09:20.1	+29:10:54	300	89	3.0	0 Calibration	2	
0104.HD19445	10	04:42	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0105.COMP	10	04:42	03:08:25.6	+26:19:51	300	89	3.0	0 Calibration	2	
0106.HD19445	10	04:43	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0107.HD19445	10	04:43	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0108.04305711+2550144	1800	04:45	04:30:57.1	+25:50:14	300	89	3.0	#141 2Mass Red	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0109.COMP	10	05:15	04:30:57.1	+25:50:14	300	89	3.0	0 Calibration	2	
0110.04390688+2727226	1237	05:17	04:39:06.9	+27:27:23	300	89	3.0	#141 2Mass Red	2	
0111.COMP	10	05:38	04:39:06.9	+27:27:23	300	89	3.0	0 Calibration	2	
0112.04142733+2709494	592	05:39	04:14:27.3	+27:09:49	300	89	3.0	#141 2Mass Red	2	
0113.COMP	10	05:49	04:14:27.3	+27:09:49	300	89	3.0	0 Calibration	2	
0114.03535276+6649192	1226	05:52	03:53:52.8	+66:49:19	300	89	3.0	#141 2Mass Red	2	excellent conditions
0115.COMP	10	06:13	03:53:52.8	+66:49:19	300	89	3.0	0 Calibration	2	
0116.04023805+6702293	723	06:14	04:02:38.0	+67:02:29	300	89	3.0	#141 2Mass Red	2	
0117.COMP	10	06:26	04:02:38.0	+67:02:29	300	89	3.0	0 Calibration	2	
0118.04050782+6623546	1200	06:28	04:05:07.8	+66:23:55	300	109	3.0	#141 2Mass Red	2	
0119.COMP	10	06:48	04:05:07.8	+66:23:55	300	109	3.0	0 Calibration	2	
0120.ls12fuk	1800	06:52	04:58:15.9	-16:17:58	300	10	3.0	#2 SN Observat	2	
0121.COMP	10	07:23	04:58:15.9	-16:17:58	300	10	3.0	0 Calibration	2	
0122.04391247+6342139	1200	07:26	04:39:12.5	+63:42:14	300	80	3.0	#141 2Mass Red	2	
0123.COMP	10	07:46	04:39:12.5	+63:42:14	300	80	3.0	0 Calibration	2	
0124.G191B2B	300	07:47	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0125.COMP	10	07:53	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0126.sn2012hg	1800	07:56	07:07:25.6	+56:18:19	300	11	3.0	#2 SN Observat	2	
0127.COMP	10	08:26	07:07:25.6	+56:18:19	300	11	3.0	0 Calibration	2	
0128.COMP	5	08:32	07:07:25.6	+56:18:19	600	109	1.5	0 Calibration	4	test

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0129.COMP	5	08:34	07:07:25.6	+56:18:19	600	109	1.5	0 Calibration	4	test
0130.FLAT	12	08:35	07:07:25.6	+56:18:19	600	109	1.5	0 Calibration	4	600 tilt 445, 1.5sec, binby4, Brown
0131-0149.FLAT	12	08:42	07:07:25.6	+56:18:19	600	109	1.5	0 Calibration	4	
0150.bcand458	570	08:45	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	
0151.COMP	10	08:55	09:23:45.6	+30:28:05	600	109	1.5	0 Calibration	4	
0152.bcand458	570	08:56	09:23:45.6	+30:28:05	600	110	1.5	#178 Low Mass	4	
0153.bcand458	570	09:06	09:23:45.6	+30:28:05	600	110	1.5	#178 Low Mass	4	
0154.bcand458	570	09:15	09:23:45.6	+30:28:05	600	110	1.5	#178 Low Mass	4	
0155.bcand458	570	09:25	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	
0156.COMP	10	09:35	09:23:45.6	+30:28:05	600	109	1.5	0 Calibration	4	
0157.bcand458	570	09:37	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	oops made focus worse not better
0158.bcand458	570	09:48	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	fixed, I think
0159.bcand458	570	09:57	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	
0160.bcand458	570	10:07	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	
0161.bcand458	570	10:17	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	
0162.COMP	10	10:26	09:23:45.6	+30:28:05	600	109	1.5	0 Calibration	4	
0163.bcand458	570	10:27	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	
0164.bcand458	570	10:37	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	
0165.bcand458	570	10:47	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	
0166.bcand458	570	10:56	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0167.COMP	10	11:06	09:23:45.6	+30:28:05	600	109	1.5	0 Calibration	4	
0168.bcand458	570	11:07	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	
0169.bcand458	570	11:17	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	
0170.bcand458	570	11:27	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	
0171.bcand458	570	11:36	09:23:45.6	+30:28:05	600	109	1.5	#178 Low Mass	4	
0172.COMP	10	11:46	09:23:45.6	+30:28:05	600	109	1.5	0 Calibration	4	
0173.bcand458	570	11:47	09:23:45.6	+30:28:05	600	110	1.5	#178 Low Mass	4	
0174.COMP	5	12:01	09:23:45.6	+30:28:05	300	90	3.0	0 Calibration	2	
0175.psn0941	1800	12:06	09:41:38.0	+48:40:25	300	90	3.0	#2 SN Observat	2	
0176.COMP	10	12:36	09:41:38.0	+48:40:25	300	90	3.0	0 Calibration	2	
0177.sn2012hj	1800	12:38	11:07:19.2	+46:22:46	300	100	3.0	#2 SN Observat	2	
0178.COMP	10	13:08	11:07:19.2	+46:22:46	300	100	3.0	0 Calibration	2	
0179.Feige34	180	13:10	10:39:36.7	+43:06:09	300	91	3.0	#56 Spectropho	2	
0180.COMP	10	13:13	10:39:36.7	+43:06:09	300	91	3.0	0 Calibration	2	
0181.HD84937	20	13:15	09:48:56.1	+13:44:39	300	40	3.0	#56 Spectropho	2	
0182.HD84937	20	13:16	09:48:56.1	+13:44:39	300	40	3.0	#56 Spectropho	2	
0183.HD84937	20	13:16	09:48:56.1	+13:44:39	300	40	3.0	#56 Spectropho	2	
0184.COMP	10	13:17	09:48:56.1	+13:44:39	300	40	3.0	0 Calibration	2	
0185-0194.BIAS	0	13:22	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	4	
0195-0204.FLAT	4	13:24	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	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>
0205-0214.BIAS	0	13:26	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0215-0229.FLAT	7	13:30	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0230-0234.DARK	900	14:41	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0235-0239.DARK	900	15:57	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:55	22:53:48.3	+31:26:07	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:01	22:53:48.3	+31:26:07	300	89	3.0	0 Calibration	2	
0026.ZAnd	5	01:33	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0027.ZAnd	15	01:34	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0028.ZAnd	45	01:35	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0029.COMP	10	01:36	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0030.PUVu1	30	01:37	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0031.PUVu1	10	01:38	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0032.PUVu1	240	01:39	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0033.COMP	10	01:43	20:21:13.0	+21:34:21	300	89	3.0	0 Calibration	2	
0034.AS360	60	01:45	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0035.AS360	360	01:46	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0036.COMP	10	01:53	19:45:49.0	+18:36:49	300	89	3.0	0 Calibration	2	
0037.BFCyg	20	01:54	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0038.BFCyg	20	01:55	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0039.BFCyg	60	01:55	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0040.COMP	10	01:57	19:23:53.0	+29:40:27	300	89	3.0	0 Calibration	2	
0041.CHCyg	5	01:58	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0042.CHCyg	2	01:59	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0043.CHCyg	15	01:59	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.COMP	10	01:59	19:24:33.0	+50:14:30	300	89	3.0	0 Calibration	2	
0045.CICyg	30	02:01	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	
0046.CICyg	45	02:02	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	
0047.CICyg	15	02:03	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	
0048.COMP	10	02:03	19:50:12.0	+35:41:02	300	89	3.0	0 Calibration	2	
0049.IPHAS_W3601	900	02:06	21:05:41.8	+53:43:35	300	89	3.0	#157 IPHAS	2	
0050.COMP	10	02:21	21:05:41.8	+53:43:35	300	89	3.0	0 Calibration	2	
0051.IPHAS_W3607	900	02:23	21:06:22.7	+48:52:28	300	89	3.0	#157 IPHAS	2	
0052.COMP	10	02:38	21:06:22.7	+48:52:28	300	89	3.0	0 Calibration	2	
0053.IPHAS_W3610	1200	02:39	21:06:59.9	+44:43:28	300	89	3.0	#157 IPHAS	2	
0054.COMP	10	03:00	21:06:59.9	+44:43:28	300	89	3.0	0 Calibration	2	
0055.IPHAS_W3611	900	03:01	21:07:06.0	+45:02:32	300	89	3.0	#157 IPHAS	2	
0056.COMP	10	03:16	21:07:06.0	+45:02:32	300	89	3.0	0 Calibration	2	
0057.IPHAS_W3612	720	03:18	21:07:09.8	+45:27:47	300	89	3.0	#157 IPHAS	2	
0058.COMP	10	03:30	21:07:09.8	+45:27:47	300	89	3.0	0 Calibration	2	
0059.IPHAS_W3613	900	03:32	21:07:10.2	+48:57:29	300	89	3.0	#157 IPHAS	2	
0060.COMP	10	03:47	21:07:10.2	+48:57:29	300	89	3.0	0 Calibration	2	
0061.IPHAS_W3790	900	03:48	21:31:11.5	+54:21:41	300	89	3.0	#157 IPHAS	2	
0062.COMP	10	04:04	21:31:11.5	+54:21:41	300	89	3.0	0 Calibration	2	
0063.IPHAS_W3791	900	04:06	21:31:13.0	+54:05:14	300	89	3.0	#157 IPHAS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.COMP	10	04:22	21:31:13.0	+54:05:14	300	89	3.0	0 Calibration	2	
0065.IPHAS_W3964	1200	04:23	21:51:07.4	+53:24:55	300	89	3.0	#157 IPHAS	2	
0066.COMP	10	04:44	21:51:07.4	+53:24:55	300	89	3.0	0 Calibration	2	
0067.158m213	360	04:46	00:43:14.4	+41:07:21	300	89	3.0	#57 Velocity S	2	
0068.COMP	10	04:53	00:43:14.4	+41:07:21	300	89	3.0	0 Calibration	2	
0069.225m280	360	04:54	00:44:29.8	+41:21:25	300	90	3.0	#57 Velocity S	2	
0070.COMP	10	05:00	00:44:29.8	+41:21:25	300	90	3.0	0 Calibration	2	
0071.03523808+3954179	1500	05:02	03:52:38.1	+39:54:18	300	90	3.0	#141 2Mass Red	2	
0072.COMP	10	05:27	03:52:38.1	+39:54:18	300	88	3.0	0 Calibration	2	
0073.sn2012fr	1200	05:31	03:33:36.0	-36:07:38	300	88	3.0	#2 SN Observat	2	
0074.COMP	10	05:51	03:33:36.0	-36:07:38	300	88	3.0	0 Calibration	2	
0075.04004396+3827188	1500	05:56	04:00:44.0	+38:27:19	300	88	3.0	#141 2Mass Red	2	
0076.COMP	10	06:21	04:00:44.0	+38:27:19	300	89	3.0	0 Calibration	2	
0077.04012050+3930097	1800	06:22	04:01:20.5	+39:30:10	300	89	3.0	#141 2Mass Red	2	
0078.COMP	10	06:53	04:01:20.5	+39:30:10	300	90	3.0	0 Calibration	2	
0079.04013138+3759567	1800	06:54	04:01:31.4	+37:59:57	300	90	3.0	#141 2Mass Red	2	
0080.COMP	10	07:24	04:01:31.4	+37:59:57	300	89	3.0	0 Calibration	2	
0081.04050165+3801503	1500	07:25	04:05:01.6	+38:01:50	300	89	3.0	#141 2Mass Red	2	
0082.COMP	10	07:51	04:05:01.6	+38:01:50	300	88	3.0	0 Calibration	2	
0083.04093802+2954162	1200	07:52	04:09:38.0	+29:54:16	300	88	3.0	#141 2Mass Red	2	

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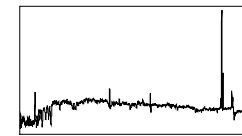
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.COMP	10	08:13	04:09:38.0	+29:54:16	300	87	3.0	0 Calibration	2	
0085.04103127+2948091	1200	08:14	04:10:31.3	+29:48:09	300	87	3.0	#141 2Mass Red	2	
0086.COMP	10	08:34	04:10:31.3	+29:48:09	300	89	3.0	0 Calibration	2	
0087.Hiltner600	90	08:38	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0088.Hiltner600	90	08:40	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0089.COMP	10	08:42	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0090.sn2012hg	1800	08:45	07:07:25.6	+56:18:19	300	100	3.0	#2 SN Observat	2	
0091.COMP	10	09:16	07:07:25.6	+56:18:19	300	100	3.0	0 Calibration	2	
0092.BIAS	0	09:20	09:42:37.0	+46:54:57	600	100	1.5	0 Calibration	4	
0093.COMP	10	09:22	09:42:37.0	+46:54:57	600	91	1.5	0 Calibration	4	
0094.lmwd536	1020	09:23	09:42:37.0	+46:54:57	600	91	1.5	#178 Low Mass	4	
0095.COMP	10	09:40	09:42:37.0	+46:54:57	600	91	1.5	0 Calibration	4	
0096.lmwd536	1020	09:41	09:42:37.0	+46:54:57	600	91	1.5	#178 Low Mass	4	
0097.COMP	10	09:58	09:42:37.0	+46:54:57	600	91	1.5	0 Calibration	4	
0098.lmwd536	1020	09:59	09:42:37.0	+46:54:57	600	91	1.5	#178 Low Mass	4	
0099.COMP	10	10:16	09:42:37.0	+46:54:57	600	91	1.5	0 Calibration	4	
0100.lmwd536	1020	10:17	09:42:37.0	+46:54:57	600	91	1.5	#178 Low Mass	4	
0101.COMP	10	10:34	09:42:37.0	+46:54:57	600	91	1.5	0 Calibration	4	
0102.lmwd536	1020	10:35	09:42:37.0	+46:54:57	600	91	1.5	#178 Low Mass	4	
0103.COMP	10	10:52	09:42:37.0	+46:54:57	600	91	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0104.lmwd536	1020	10:53	09:42:37.0	+46:54:57	600	91	1.5	#178 Low Mass	4	
0105.COMP	10	11:10	09:42:37.0	+46:54:57	600	91	1.5	0 Calibration	4	
0106.lmwd536	1020	11:11	09:42:37.0	+46:54:57	600	91	1.5	#178 Low Mass	4	
0107.COMP	10	11:28	09:42:37.0	+46:54:57	600	91	1.5	0 Calibration	4	
0108.lmwd536	1020	11:29	09:42:37.0	+46:54:57	600	91	1.5	#178 Low Mass	4	
0109.COMP	10	11:46	09:42:37.0	+46:54:57	600	91	1.5	0 Calibration	4	
0110.lmwd536	1020	11:47	09:42:37.0	+46:54:57	600	91	1.5	#178 Low Mass	4	
0111.COMP	10	12:04	09:42:37.0	+46:54:57	600	91	1.5	0 Calibration	4	
0112.lmwd536	1020	12:05	09:42:37.0	+46:54:57	600	91	1.5	#178 Low Mass	4	
0113.COMP	10	12:22	09:42:37.0	+46:54:57	600	90	1.5	0 Calibration	4	
0114.Feige34	120	12:23	10:39:36.7	+43:06:09	600	90	1.5	#178 Low Mass	4	
0115.COMP	10	12:26	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0116-0125.FLAT	12	12:29	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0126.test	10	12:32	11:00:00.0	+40:00:00	300	90	3.0	#178 Low Mass	2	
0127.sn2012hj	1800	12:34	11:07:19.2	+46:22:46	300	90	3.0	#2 SN Observat	2	
0128.COMP	10	13:04	11:07:19.2	+46:22:46	300	90	3.0	0 Calibration	2	
0129.Feige34	150	13:06	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0130.COMP	10	13:08	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0131-0140.BIAS	0	13:11	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0141-0155.FLAT	7	13:17	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	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>
0156-0165.BIAS	0	13:19	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	4	
0166-0170.DARK	900	14:22	10:39:36.7	+43:06:09	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
0001-0007.DARK	900	00:41	23:05:22.4	+31:26:04	300	90	3.0	0 Calibration	4	
0008-0017.BIAS	0	01:03	23:05:22.4	+31:26:04	300	90	3.0	0 Calibration	4	
0018-0037.FLAT	7	01:11	23:05:22.4	+31:26:04	300	90	3.0	0 Calibration	2	
0038-0047.BIAS	0	01:17	23:05:22.4	+31:26:04	300	90	3.0	0 Calibration	2	
0048.BDp284211	150	01:26	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0049.COMP	10	01:30	21:51:11.0	+28:51:50	300	88	3.0	0 Calibration	2	
0050.BDp174708	25	01:32	22:11:31.4	+18:05:34	300	88	3.0	#56 Spectropho	2	
0051.COMP	10	01:33	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0052.PUVu1	1	01:37	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0053.PUVu1	10	01:37	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0054.PUVu1	60	01:38	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0055.COMP	10	01:40	20:21:13.0	+21:34:21	300	90	3.0	0 Calibration	2	
0056.ZAnd	1	01:42	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0057.ZAnd	5	01:43	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0058.ZAnd	30	01:43	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0059.COMP	10	01:44	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0060.RAqr	1	01:47	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0061.RAqr	5	01:47	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0062.RAqr	10	01:48	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0063.COMP	10	01:49	23:43:49.0	-15:17:05	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
0064.EGAnd	1	01:51	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0065.EGAnd	5	01:51	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0066.EGAnd	10	01:52	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0067.COMP	10	01:53	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0068.AXPer	4	01:55	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0069.AXPer	30	01:55	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0070.AXPer	90	01:56	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0071.COMP	10	01:59	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0072.M31	60	02:00	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0073.COMP	10	02:02	00:42:44.3	+41:16:09	300	89	3.0	0 Calibration	2	
0074.hotwd046	1500	02:08	21:31:11.9	+16:49:44	600	89	1.5	#178 Low Mass	4	
0075.COMP	10	02:34	21:31:11.9	+16:49:44	600	89	1.5	0 Calibration	4	
0076.hotwd047	1500	02:35	21:33:54.3	+11:58:45	600	95	1.5	#178 Low Mass	4	
0077.COMP	10	03:01	21:33:54.3	+11:58:45	600	95	1.5	0 Calibration	4	
0078.hotwd054	1500	03:09	22:17:52.1	-07:44:40	600	91	1.5	#178 Low Mass	4	weak exposure
0079.COMP	5	03:35	22:17:52.1	-07:44:40	600	88	1.5	0 Calibration	4	
0080.HD19445	24	03:38	03:08:25.6	+26:19:51	600	88	1.5	#178 Low Mass	4	
0081.COMP	10	03:39	03:08:25.6	+26:19:51	600	88	1.5	0 Calibration	4	
0082-0091.FLAT	12	03:44	03:08:25.6	+26:19:51	600	88	1.5	0 Calibration	4	
0092.4U2204p543	120	04:02	22:07:57.0	+54:31:06	1200	90	2.0	#176 Be/X-ray	2	w/GG-495 blocking filter

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0093.COMP	10	04:04	22:07:57.0	+54:31:06	1200	90	2.0	0 Calibration	2	
0094.IGR2253p6243	1500	04:09	22:53:55.1	+62:43:37	1200	90	2.0	#176 Be/X-ray	2	
0095.COMP	10	04:35	22:53:55.1	+62:43:37	1200	90	2.0	0 Calibration	2	
0096-0102.FLAT	15	04:39	22:53:55.1	+62:43:37	1200	90	2.0	0 Calibration	2	
0103.IGR2253p6243	1500	04:43	22:53:55.1	+62:43:37	1200	90	2.0	#176 Be/X-ray	2	blue tilt...faint in blue
0104.COMP	10	05:09	22:53:55.1	+62:43:37	1200	91	2.0	0 Calibration	2	
0105.FLAT	20	05:11	22:53:55.1	+62:43:37	1200	91	2.0	0 Calibration	2	test exposure
0106-0108.FLAT	60	05:18	22:53:55.1	+62:43:37	1200	91	2.0	0 Calibration	2	
0109.sn2012fr	1200	05:25	03:33:36.0	-36:07:38	300	91	3.0	#2 SN Observat	2	
0110.COMP	10	05:45	03:33:36.0	-36:07:38	300	89	3.0	0 Calibration	2	
0111.G191B2B	300	05:48	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0112.COMP	10	05:54	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0113.Hiltner600	90	05:56	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0114.COMP	10	06:00	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0115-0119.FLAT	7	06:02	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0120.4U0115p634	1800	06:09	01:18:32.0	+63:44:33	1200	89	2.0	#176 Be/X-ray	2	w/GG-495 filter
0121.COMP	10	06:39	01:18:32.0	+63:44:33	1200	90	2.0	0 Calibration	2	
0122.IGRJ01363p6610	600	06:41	01:35:49.8	+66:12:43	1200	90	2.0	#176 Be/X-ray	2	
0123.COMP	10	06:51	01:35:49.8	+66:12:43	1200	90	2.0	0 Calibration	2	
0124.RXJ01469p6121	240	06:53	01:47:00.0	+61:21:23	1200	90	2.0	#176 Be/X-ray	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0125.COMP	10	06:58	01:47:00.0	+61:21:23	1200	90	2.0	0 Calibration	2	
0126.IGRJ01583p6713	1500	07:00	01:58:18.2	+67:13:26	1200	85	2.0	#176 Be/X-ray	2	
0127.COMP	10	07:25	01:58:18.2	+67:13:26	1200	86	2.0	0 Calibration	2	
0128.LSIp61303	60	07:27	02:40:31.6	+61:13:46	1200	89	2.0	#176 Be/X-ray	2	
0129.COMP	10	07:28	02:40:31.6	+61:13:46	1200	90	2.0	0 Calibration	2	
0130.V0332p53	1800	07:30	03:34:59.8	+53:10:24	1200	90	2.0	#176 Be/X-ray	2	
0131.COMP	10	08:00	03:34:59.8	+53:10:24	1200	90	2.0	0 Calibration	2	
0132.XPer	4	08:02	03:55:23.0	+31:02:45	1200	90	2.0	#176 Be/X-ray	2	
0133.COMP	10	08:03	03:55:23.0	+31:02:45	1200	90	2.0	0 Calibration	2	
0134.RXJ04409p4431	300	08:05	04:41:00.6	+44:31:50	1200	90	2.0	#176 Be/X-ray	2	
0135.COMP	10	08:10	04:41:00.6	+44:31:50	1200	90	2.0	0 Calibration	2	
0136.A0535p262	60	08:12	05:38:54.5	+26:18:57	1200	90	2.0	#176 Be/X-ray	2	
0137.COMP	10	08:14	05:38:54.5	+26:18:57	1200	90	2.0	0 Calibration	2	
0138.IGRJ06074p2205	600	08:16	06:07:26.6	+22:05:48	1200	90	2.0	#176 Be/X-ray	2	
0139.COMP	10	08:27	06:07:26.6	+22:05:48	1200	90	2.0	0 Calibration	2	
0140.MXB0656-072	900	08:29	06:58:17.2	-07:12:35	1200	90	2.0	#176 Be/X-ray	2	
0141.COMP	10	08:44	06:58:17.2	-07:12:35	1200	89	2.0	0 Calibration	2	
0142.Hiltner600	120	08:46	06:45:13.4	+02:08:15	1200	89	2.0	#176 Be/X-ray	2	
0143.COMP	10	08:49	06:45:13.4	+02:08:15	1200	90	2.0	0 Calibration	2	
0144-0150.FLAT	15	08:53	06:45:13.4	+02:08:15	1200	90	2.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0151.sn2012hg	2400	09:10	07:07:25.6	+56:18:19	300	40	3.0	#2 SN Observat	2	
0152.COMP	10	09:50	07:07:25.6	+56:18:19	300	41	3.0	0 Calibration	2	
0153.GITau	240	09:53	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0154.COMP	10	09:58	04:33:34.0	+24:21:18	300	90	3.0	0 Calibration	2	
0155.GKTau	240	09:59	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0156.COMP	10	10:03	04:33:34.5	+24:21:07	300	90	3.0	0 Calibration	2	
0157.BGGem	300	10:05	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0158.COMP	10	10:10	06:03:31.0	+27:41:50	300	89	3.0	0 Calibration	2	
0159.BXMon	15	10:12	07:25:23.0	-03:35:51	300	89	3.0	#12 Symbiotic	2	
0160.BXMon	180	10:13	07:25:23.0	-03:35:51	300	89	3.0	#12 Symbiotic	2	
0161.COMP	10	10:16	07:25:23.0	-03:35:51	300	89	3.0	0 Calibration	2	
0162.SS129	300	10:19	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0163.SS129	300	10:24	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0164.COMP	10	10:30	07:32:45.0	-26:49:16	300	70	3.0	0 Calibration	2	
0165.06480595+8733358	1800	10:34	06:48:06.0	+87:33:36	300	90	3.0	#141 2Mass Red	2	
0166.COMP	10	11:05	06:48:06.0	+87:33:36	300	90	3.0	0 Calibration	2	
0167.06531490+8846046	1200	11:06	06:53:14.9	+88:46:05	300	90	3.0	#141 2Mass Red	2	
0168.COMP	10	11:27	06:53:14.9	+88:46:05	300	90	3.0	0 Calibration	2	
0169.07132688+2505097	1200	11:29	07:13:26.9	+25:05:10	300	90	3.0	#141 2Mass Red	2	
0170.COMP	10	11:49	07:13:26.9	+25:05:10	300	89	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0171.07304886+1851099	720	11:55	07:30:48.9	+18:51:10	300	89	3.0	#141 2Mass Red	2	
0172.COMP	10	12:07	07:30:48.9	+18:51:10	300	88	3.0	0 Calibration	2	
0173.07134975+8729044	1200	12:12	07:13:49.8	+87:29:04	300	88	3.0	#141 2Mass Red	2	
0174.COMP	10	12:32	07:13:49.8	+87:29:04	300	90	3.0	0 Calibration	2	
0175.HD84937	25	12:35	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0176.COMP	10	12:36	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0177.Feige34	120	12:37	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0178.COMP	10	12:40	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0179.sn2012hj	1800	12:41	11:07:19.2	+46:22:46	300	88	3.0	#2 SN Observat	2	
0180.COMP	10	13:12	11:07:19.2	+46:22:46	300	89	3.0	0 Calibration	2	
0181-0190.BIAS	0	13:20	11:07:19.2	+46:22:46	300	89	3.0	0 Calibration	2	
0191-0210.FLAT	7	13:27	11:07:19.2	+46:22:46	300	89	3.0	0 Calibration	2	
0211-0220.DARK	900	15:49	11:07:19.2	+46:22:46	300	89	3.0	0 Calibration	2	