

UT Date 2012-01-02 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:30	00:46:53.9	+31:26:24	300	90	3.0	#2 SN Observat	2	
0011-0030.FLAT	7	01:37	00:46:53.9	+31:26:24	300	90	3.0	#2 SN Observat	2	
0031.sn2011hw	1800	01:47	22:26:14.5	+34:12:59	300	20	3.0	#2 SN Observat	2	
0032.COMP	10	02:18	22:26:14.5	+34:12:59	300	20	3.0	#2 SN Observat	2	
0033.BDp284211	120	02:19	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0034.COMP	10	02:22	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0035.BDp284211	60	02:23	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0036.COMP	10	02:24	21:51:11.0	+28:51:50	300	-617	920	#56 Spectropho	2	
0037.BDp174708	20	02:26	22:11:31.4	+18:05:34	300	-617	920	#56 Spectropho	2	
0038.COMP	10	02:27	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0039.ZAnd	1	02:39	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0040.ZAnd	5	02:40	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0041.ZAnd	30	02:40	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0042.COMP	10	02:41	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0043.RAqr	1	02:44	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0044.RAqr	5	02:44	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0045.RAqr	10	02:44	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0046.COMP	10	02:45	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0047.EGAnd	1	02:47	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0048.EGAnd	5	02:47	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	

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0049.EGAnd	10	02:48	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0050.COMP	10	02:48	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0051.AXPer	4	02:50	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0052.AXPer	30	02:50	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0053.AXPer	90	02:51	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0054.COMP	10	02:53	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0055.GITau	240	02:55	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0056.COMP	10	03:00	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0057.GKTau	240	03:01	04:33:34.5	+24:21:07	300	89	3.0	#12 Symbiotic	2	
0058.COMP	10	03:05	04:33:34.5	+24:21:07	300	89	3.0	#12 Symbiotic	2	
0059.BGGem	300	03:09	06:03:31.0	+27:41:50	300	89	3.0	#12 Symbiotic	2	
0060.COMP	10	03:14	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0061.sn2011it	1800	03:28	22:02:44.5	+31:41:49	300	0	3.0	#2 SN Observat	2	row = 89
0062.COMP	10	03:59	22:02:44.5	+31:41:49	300	0	3.0	#2 SN Observat	2	
0063.NGC1700	150	04:06	04:56:56.3	-04:51:57	300	0	3.0	#57 Velocity S	2	
0064.COMP	10	04:09	04:56:56.3	-04:51:57	300	1	3.0	#57 Velocity S	2	
0065.V354Mon	1800	04:12	06:41:00.5	+09:29:16	300	89	3.0	#203 Spitzer S	2	
0066.COMP	10	04:43	06:41:00.5	+09:29:16	300	90	3.0	#203 Spitzer S	2	
0067.sn2011iv	1500	04:45	03:38:51.3	-35:35:32	300	70	3.0	#2 SN Observat	2	
0068.COMP	10	05:10	03:38:51.3	-35:35:32	300	71	3.0	#2 SN Observat	2	

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0069.kengal13	300	05:13	07:46:17.2	+27:53:42	300	89	3.0	#178 Very Low	2	
0070.COMP	10	05:19	07:46:17.2	+27:53:42	300	89	3.0	#178 Very Low	2	
0071.kengal14	900	05:21	07:46:42.8	+30:59:49	300	99	3.0	#178 Very Low	2	
0072.COMP	10	05:36	07:46:42.8	+30:59:49	300	99	3.0	#178 Very Low	2	
0073.kengal15	1200	05:37	07:47:29.3	+31:12:54	300	99	3.0	#178 Very Low	2	
0074.COMP	10	05:58	07:47:29.3	+31:12:54	300	100	3.0	#178 Very Low	2	
0075.kengal16	780	06:00	07:47:32.3	+31:13:38	300	92	3.0	#178 Very Low	2	
0076.COMP	10	06:13	07:47:32.3	+31:13:38	300	91	3.0	#178 Very Low	2	
0077.kengal17	780	06:14	07:59:29.6	+31:10:48	300	91	3.0	#178 Very Low	2	
0078.COMP	10	06:28	07:59:29.6	+31:10:48	300	91	3.0	#178 Very Low	2	
0079.lspm2787	720	06:39	04:19:20.8	+04:36:50	600	91	2.0	#204 M-Dwarf R	2	
0080.COMP	10	06:51	04:19:20.8	+04:36:50	600	91	2.0	#204 M-Dwarf R	2	
0081.lspm2905	1080	06:53	06:08:30.4	+49:02:06	600	91	2.0	#204 M-Dwarf R	2	
0082.COMP	10	07:12	06:08:30.4	+49:02:06	600	90	2.0	#204 M-Dwarf R	2	
0083.lspm2936	720	07:14	06:44:47.5	+16:28:18	600	91	2.0	#204 M-Dwarf R	2	
0084.COMP	10	07:27	06:44:47.5	+16:28:18	600	90	2.0	#204 M-Dwarf R	2	
0085.lspm1934	720	07:29	07:11:11.4	+43:29:58	600	90	2.0	#204 M-Dwarf R	2	
0086.COMP	10	07:42	07:11:11.4	+43:29:58	600	91	2.0	#204 M-Dwarf R	2	
0087.lspm518	360	07:44	07:34:39.1	+22:20:16	600	91	2.0	#204 M-Dwarf R	2	
0088.COMP	10	07:51	07:34:39.1	+22:20:16	600	91	2.0	#204 M-Dwarf R	2	

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0089.lspm1946	240	07:52	07:36:25.1	+07:04:43	600	91	2.0	#204 M-Dwarf R	2	
0090.COMP	10	07:57	07:36:25.1	+07:04:43	600	90	2.0	#204 M-Dwarf R	2	
0091.lspm2985	600	07:58	07:37:43.9	+05:54:37	600	90	2.0	#204 M-Dwarf R	2	
0092.COMP	10	08:10	07:37:43.9	+05:54:37	600	90	2.0	#204 M-Dwarf R	2	
0093.lspm1954	540	08:12	07:58:09.1	+07:17:01	600	91	2.0	#204 M-Dwarf R	2	
0094.COMP	10	08:22	07:58:09.1	+07:17:01	600	91	2.0	#204 M-Dwarf R	2	
0095.lspm1966	900	08:27	08:13:44.5	+79:18:11	600	91	2.0	#204 M-Dwarf R	2	
0096.COMP	10	08:43	08:13:44.5	+79:18:11	600	89	2.0	#204 M-Dwarf R	2	
0097.lspm566	1080	08:44	08:25:52.7	+69:02:01	600	93	2.0	#204 M-Dwarf R	2	
0098.COMP	10	09:03	08:25:52.7	+69:02:01	600	90	2.0	#204 M-Dwarf R	2	
0099.lspm1979	1500	09:05	08:49:08.7	+39:36:26	600	90	2.0	#204 M-Dwarf R	2	
0100.COMP	10	09:30	08:49:08.7	+39:36:26	600	90	2.0	#204 M-Dwarf R	2	
0101.lspm608	300	09:32	08:58:15.1	+19:45:47	600	90	2.0	#204 M-Dwarf R	2	
0102.COMP	10	09:37	08:58:15.1	+19:45:47	600	91	2.0	#204 M-Dwarf R	2	
0103.lspm3075	1500	09:39	09:03:21.0	+05:40:15	600	91	2.0	#204 M-Dwarf R	2	
0104.COMP	10	10:05	09:03:21.0	+05:40:15	600	90	2.0	#204 M-Dwarf R	2	
0105.HD84937	30	10:07	09:48:56.1	+13:44:39	600	90	2.0	#56 Spectropho	2	
0106.COMP	10	10:08	09:48:56.1	+13:44:39	600	90	2.0	#56 Spectropho	2	
0107-0116.FLAT	10	10:13	09:48:56.1	+13:44:39	600	90	2.0	#56 Spectropho	2	
0117.HD84937	20	10:22	09:48:56.1	+13:44:39	300	91	3.0	#56 Spectropho	2	

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0118.COMP	10	10:23	09:48:56.1	+13:44:39	300	91	3.0	#56 Spectropho	2	
0119.HD84937	10	10:24	09:48:56.1	+13:44:39	300	91	3.0	#56 Spectropho	2	
0120.COMP	10	10:24	09:48:56.1	+13:44:39	300	91	3.0	#56 Spectropho	2	
0121.Feige34	120	10:26	10:39:36.7	+43:06:09	300	91	3.0	#56 Spectropho	2	
0122.COMP	10	10:29	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0123.sn2011ib	1800	10:34	11:44:39.3	+35:58:04	300	51	3.0	#2 SN Observat	2	
0124.COMP	10	11:04	11:44:39.3	+35:58:04	300	51	3.0	#2 SN Observat	2	
0125.sn2011jm	1500	11:07	12:54:51.1	+02:39:15	300	90	3.0	#2 SN Observat	2	
0126.COMP	10	11:32	12:54:51.1	+02:39:15	300	90	3.0	#2 SN Observat	2	
0127.sn2011jh	1200	11:34	12:47:14.4	-10:03:47	300	71	3.0	#2 SN Observat	2	
0128.COMP	10	11:55	12:47:14.4	-10:03:47	300	70	3.0	#2 SN Observat	2	
0129.sn2011fe	1500	11:59	14:03:05.8	+54:16:25	300	91	3.0	#2 SN Observat	2	
0130.COMP	10	12:24	14:03:05.8	+54:16:25	300	90	3.0	#2 SN Observat	2	
0131.sn2011iy	1200	12:28	13:08:58.4	-15:31:04	300	70	3.0	#2 SN Observat	2	
0132.COMP	10	12:48	13:08:58.4	-15:31:04	300	71	3.0	#2 SN Observat	2	
0133.N3377	240	12:50	10:47:42.4	+13:59:08	300	90	3.0	#57 Velocity S	2	
0134.COMP	10	12:55	10:47:42.4	+13:59:08	300	90	3.0	#57 Velocity S	2	
0135.TXCVn	10	12:56	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0136.TXCVn	30	12:57	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0137.COMP	10	12:58	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0138.TCrB	15	13:00	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0139.TCrB	60	13:00	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0140.COMP	10	13:02	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0141.AGDra	2	13:04	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0142.AGDra	15	13:04	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0143.AGDra	60	13:05	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0144.COMP	10	13:06	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0145-0154.BIAS	0	13:14	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0155-0174.FLAT	7	13:21	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0175-0184.DARK	900	15:41	16:01:41.0	+66:48:10	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
0001-0007.DARK	900	00:29	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	4	
0008-0017.BIAS	0	00:46	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	4	
0018-0037.FLAT	7	00:55	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0038-0047.BIAS	0	01:01	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0048.BDp284211	70	01:35	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0049.COMP	10	01:37	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0050.BDp174708	30	01:38	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0051.COMP	10	01:39	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0052.sn2011hw	1800	01:51	22:26:14.5	+34:12:59	300	21	3.0	#2 SN Observat	2	
0053.COMP	10	02:21	22:26:14.5	+34:12:59	300	22	3.0	#2 SN Observat	2	
0054.psn0248	1800	02:25	02:48:05.0	-13:57:51	300	90	3.0	#2 SN Observat	2	
0055.COMP	10	02:56	02:48:05.0	-13:57:51	300	90	3.0	#2 SN Observat	2	
0056.IPHAS_U0033	1500	03:04	00:11:00.5	+63:16:23	300	90	3.0	#157 IPHAS	2	
0057.COMP	10	03:30	00:11:00.5	+63:16:23	300	90	3.0	#157 IPHAS	2	
0058.IPHAS_P0057	1800	03:31	00:59:43.5	+64:54:42	300	90	3.0	#157 IPHAS	2	
0059.COMP	10	04:02	00:59:43.5	+64:54:42	300	89	3.0	#157 IPHAS	2	
0060.IPHAS_U0045	1200	04:03	00:13:17.4	+63:31:16	300	89	3.0	#157 IPHAS	2	
0061.COMP	10	04:24	00:13:17.4	+63:31:16	300	90	3.0	#157 IPHAS	2	
0062.sn2011iv	1500	04:28	03:38:51.3	-35:35:32	300	70	3.0	#2 SN Observat	2	
0063.COMP	10	04:53	03:38:51.3	-35:35:32	300	70	3.0	#2 SN Observat	2	

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0064.HD19445	12	04:56	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0065.COMP	10	04:56	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0066.HD19445	6	04:57	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0067.COMP	10	04:58	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0068.G191B2B	300	05:00	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0069.COMP	10	05:05	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0070.NGC1700	240	05:07	04:56:56.3	-04:51:57	300	89	3.0	#57 Velocity S	2	
0071.COMP	10	05:12	04:56:56.3	-04:51:57	300	89	3.0	#57 Velocity S	2	
0072.V354Mon	1800	05:14	06:41:00.5	+09:29:16	300	89	3.0	#203 Spitzer S	2	
0073.COMP	10	05:44	06:41:00.5	+09:29:16	300	89	3.0	#203 Spitzer S	2	
0074.sn2011hr	1800	05:47	08:54:46.0	+39:32:16	300	105	3.0	#2 SN Observat	2	
0075.COMP	10	06:18	08:54:46.0	+39:32:16	300	105	3.0	#2 SN Observat	2	
0076.SDSSJ0745p3142	1800	06:25	07:45:41.7	+31:42:57	300	90	2.0	208 Binary MBH	2	
0077.COMP	10	06:55	07:45:41.7	+31:42:57	300	91	2.0	208 Binary MBH	2	
0078.Hiltner600	75	06:59	06:45:13.4	+02:08:15	300	91	2.0	#56 Spectropho	2	
0079.COMP	10	07:02	06:45:13.4	+02:08:15	300	91	2.0	#56 Spectropho	2	
0080-0089.FLAT	10	07:09	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	
0090.Hiltner600	75	07:13	06:45:13.4	+02:08:15	300	91	2.0	#56 Spectropho	2	
0091.COMP	10	07:15	06:45:13.4	+02:08:15	300	90	2.0	#56 Spectropho	2	
0092.SDSSJ0810p5651	1800	07:19	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	

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0093.COMP	10	07:50	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	
0094.SDSSJ0810p5651	1800	07:51	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	
0095.COMP	10	08:21	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	
0096.SDSSJ0810p5651	1800	08:23	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	
0097.COMP	10	08:54	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	
0098.SDSSJ0810p5651	1800	08:54	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	
0099.COMP	10	09:25	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	
0100.SDSSJ0810p5651	1800	09:26	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	
0101.COMP	10	09:56	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	
0102.SDSSJ0810p5651	1800	10:00	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	
0103.COMP	10	10:31	08:10:32.7	+56:51:05	300	90	2.0	208 Binary MBH	2	
0104.SDSSJ0810p5651	1800	10:33	08:10:32.7	+56:51:05	300	92	2.0	208 Binary MBH	2	
0105.COMP	10	11:03	08:10:32.7	+56:51:05	300	92	2.0	208 Binary MBH	2	
0106.SDSSJ0810p5651	1800	11:06	08:10:32.7	+56:51:05	300	92	2.0	208 Binary MBH	2	
0107.COMP	5	11:37	08:10:32.7	+56:51:05	300	92	2.0	208 Binary MBH	2	
0108.SDSSJ0810p5651	1800	11:37	08:10:32.7	+56:51:05	300	92	2.0	208 Binary MBH	2	
0109.COMP	10	12:08	08:10:32.7	+56:51:05	300	92	2.0	208 Binary MBH	2	
0110.SDSSJ0810p5651	1800	12:09	08:10:32.7	+56:51:05	300	92	2.0	208 Binary MBH	2	
0111.COMP	10	12:39	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	
0112-0121.FLAT	10	12:44	08:10:32.7	+56:51:05	300	91	2.0	208 Binary MBH	2	

UT Date 2012-01-03 Observers M CalkinsColl. Focus 1360 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>
0122.sn2011iy	600	12:54	13:08:58.4	-15:31:04	300	65	3.0	#2 SN Observat	2	
0123.COMP	10	13:05	13:08:58.4	-15:31:04	300	65	3.0	#2 SN Observat	2	
0124.Feige34	75	13:07	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0125.COMP	10	13:09	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0126.HD84937	12	13:11	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0127.COMP	10	13:11	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0128.N4853	360	13:13	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0129.COMP	10	13:20	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0130-0139.BIAS	0	13:27	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0140-0159.FLAT	7	13:34	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0160-0169.DARK	900	15:53	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	

UT Date 2012-01-18 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	21:37	21:58:51.1	+31:26:55	300	110	3.0	#57 Velocity S	2	
0002.COMP	10	21:38	21:58:51.1	+31:26:55	300	110	3.0	#57 Velocity S	2	
0003-0012.BIAS	0	01:43	02:04:20.5	+31:26:56	300	-473	9708	#57 Velocity S	4	
0013-0022.BIAS	0	01:45	02:04:20.5	+31:26:56	300	-473	9708	#57 Velocity S	2	
0023-0042.FLAT	7	01:51	02:04:20.5	+31:26:56	300	-473	9708	#57 Velocity S	2	
0043.M31	60	01:53	00:42:44.3	+41:16:09	300	-473	9708	#57 Velocity S	2	
0044.COMP	10	01:55	00:42:44.3	+41:16:09	300	-473	9708	#57 Velocity S	2	
0045.sn2012B	1800	01:58	03:51:34.5	+37:04:43	300	40	3.0	#2 SN Observat	2	
0046.COMP	10	02:30	03:51:34.5	+37:04:43	300	39	3.0	#2 SN Observat	2	
0047.sn07ob	1200	02:33	23:12:26.0	+13:54:49	300	90	3.0	#201 Spectra o	2	
0048.sn07ob	1200	02:54	23:12:26.0	+13:54:49	300	90	3.0	#201 Spectra o	2	
0049.COMP	10	03:14	23:12:26.0	+13:54:49	300	90	3.0	#201 Spectra o	2	
0050.aaIPHAS_P0071	1800	03:22	01:04:36.0	+66:43:34	300	89	3.0	#157 IPHAS	2	
0051.COMP	10	03:52	01:04:36.0	+66:43:34	300	89	3.0	#157 IPHAS	2	
0052.aaIPHAS_P0072	1800	03:55	01:06:18.5	+66:23:39	300	89	3.0	#157 IPHAS	2	
0053.COMP	10	04:25	01:06:18.5	+66:23:39	300	89	3.0	#157 IPHAS	2	
0054.sn2011iv	1800	04:32	03:38:51.3	-35:35:32	300	60	3.0	#2 SN Observat	2	
0055.COMP	10	05:02	03:38:51.3	-35:35:32	300	61	3.0	#2 SN Observat	2	
0056.snlsq11ot	2400	05:09	05:15:48.3	+06:46:39	300	61	3.0	#2 SN Observat	2	
0057.COMP	10	05:59	05:15:48.3	+06:46:39	300	90	3.0	#2 SN Observat	2	

UT Date 2012-01-18 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.G191B2B	300	06:02	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0059.COMP	10	06:07	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0060.Hiltner600	70	06:09	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0061.COMP	10	06:11	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0062.sn2011hr	1800	06:13	08:54:46.0	+39:32:16	300	100	3.0	#2 SN Observat	2	
0063.COMP	10	06:44	08:54:46.0	+39:32:16	300	100	3.0	#2 SN Observat	2	
0064.sn2012C	2400	06:47	09:37:30.5	+32:50:32	300	30	3.0	#2 SN Observat	2	
0065.COMP	10	07:27	09:37:30.5	+32:50:32	300	31	3.0	#2 SN Observat	2	
0066.sn2010j1	1800	07:31	09:42:53.3	+09:29:42	300	90	3.0	#2 SN Observat	2	
0067.COMP	10	08:02	09:42:53.3	+09:29:42	300	89	3.0	#2 SN Observat	2	
0068.sn2011ia	1800	08:04	09:45:03.5	+64:15:37	300	89	3.0	#2 SN Observat	2	
0069.COMP	10	08:34	09:45:03.5	+64:15:37	300	90	3.0	#2 SN Observat	2	
0070.sn2011ht	1500	08:37	10:08:10.6	+51:50:57	300	90	3.0	#2 SN Observat	2	
0071.COMP	10	09:02	10:08:10.6	+51:50:57	300	90	3.0	#2 SN Observat	2	
0072.SDSSJ1120p4235	1800	09:09	11:20:07.4	+42:35:51	300	90	2.0	208 Binary MBH	2	
0073.COMP	10	09:39	11:20:07.4	+42:35:51	300	90	2.0	208 Binary MBH	2	
0074.SDSSJ1120p4235	1800	09:41	11:20:07.4	+42:35:51	300	90	2.0	208 Binary MBH	2	
0075.COMP	10	10:11	11:20:07.4	+42:35:51	300	89	2.0	208 Binary MBH	2	
0076.SDSSJ1120p4235	1800	10:12	11:20:07.4	+42:35:51	300	89	2.0	208 Binary MBH	2	
0077.COMP	10	10:42	11:20:07.4	+42:35:51	300	89	2.0	208 Binary MBH	2	

UT Date 2012-01-18 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.SDSSJ1120p4235	1800	10:44	11:20:07.4	+42:35:51	300	91	2.0	208 Binary MBH	2	
0079.COMP	10	11:14	11:20:07.4	+42:35:51	300	91	2.0	208 Binary MBH	2	
0080.SDSSJ1120p4235	1800	11:15	11:20:07.4	+42:35:51	300	91	2.0	208 Binary MBH	2	
0081.COMP	10	11:46	11:20:07.4	+42:35:51	300	91	2.0	208 Binary MBH	2	
0082.SDSSJ1120p4235	1800	11:47	11:20:07.4	+42:35:51	300	91	2.0	208 Binary MBH	2	
0083.COMP	10	12:17	11:20:07.4	+42:35:51	300	91	2.0	208 Binary MBH	2	
0084.SDSSJ1120p4235	1800	12:18	11:20:07.4	+42:35:51	300	91	2.0	208 Binary MBH	2	
0085.COMP	10	12:49	11:20:07.4	+42:35:51	300	89	2.0	208 Binary MBH	2	
0086.HD84937	30	12:53	09:48:56.1	+13:44:39	300	89	2.0	#56 Spectropho	2	
0087.COMP	10	12:53	09:48:56.1	+13:44:39	300	89	2.0	#56 Spectropho	2	
0088.HD84937	15	12:54	09:48:56.1	+13:44:39	300	89	2.0	#56 Spectropho	2	
0089.COMP	10	12:55	09:48:56.1	+13:44:39	300	89	2.0	#56 Spectropho	2	
0090-0104.FLAT	10	13:03	09:48:56.1	+13:44:39	300	89	2.0	#56 Spectropho	2	
0105-0114.BIAS	0	13:06	09:48:56.1	+13:44:39	300	89	2.0	#56 Spectropho	2	
0115-0119.DARK	900	14:11	09:48:56.1	+13:44:39	300	89	2.0	#56 Spectropho	4	
0120-0124.DARK	900	15:28	09:48:56.1	+13:44:39	300	89	2.0	#56 Spectropho	2	

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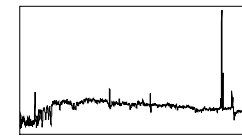
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0009.DARK	900	01:13	09:48:56.1	+13:44:39	300	89	2.0	#56 Spectropho	4	
0010-0019.BIAS	0	01:30	09:48:56.1	+13:44:39	300	89	2.0	#56 Spectropho	4	
0020-0029.BIAS	0	01:32	09:48:56.1	+13:44:39	300	89	2.0	#56 Spectropho	2	
0030-0049.FLAT	7	01:45	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0050.sn2011hw	1800	01:54	22:26:14.5	+34:12:59	300	21	3.0	#2 SN Observat	2	
0051.COMP	10	02:25	22:26:14.5	+34:12:59	300	20	3.0	#2 SN Observat	2	
0052.ZAnd	1	02:35	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0053.ZAnd	5	02:35	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0054.ZAnd	30	02:35	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0055.COMP	10	02:37	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0056.RAqr	1	02:39	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0057.RAqr	5	02:39	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0058.RAqr	10	02:40	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0059.COMP	10	02:40	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0060.EGAnd	1	02:43	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0061.EGAnd	5	02:43	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0062.EGAnd	10	02:44	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0063.COMP	10	02:45	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0064.AXPer	4	02:46	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0065.AXPer	30	02:49	01:36:23.0	+54:15:03	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
0066.AXPer	90	02:50	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0067.COMP	10	02:52	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0068.PSNJ02582783p0611253	1800	02:56	02:58:27.8	+06:11:23	300	90	3.0	#2 SN Observat	2	
0069.COMP	10	03:26	02:58:27.8	+06:11:23	300	89	3.0	#2 SN Observat	2	
0070.GITau	300	03:29	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0071.COMP	10	03:35	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0072.GKTau	270	03:36	04:33:34.5	+24:21:07	300	89	3.0	#12 Symbiotic	2	
0073.COMP	10	03:41	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0074.snlsq11ot	2400	03:44	05:15:48.3	+06:46:39	300	60	3.0	#2 SN Observat	2	
0075.COMP	10	04:24	05:15:48.3	+06:46:39	300	61	3.0	#2 SN Observat	2	
0076.BGGem	300	04:26	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0077.COMP	10	04:32	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0078.G191B2B	270	04:34	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0079.COMP	10	04:39	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0080.Hiltner600	70	04:42	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0081.COMP	10	04:44	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0082.BXMon	15	04:46	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0083.BXMon	180	04:47	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0084.COMP	10	04:50	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0085.GJ3195B	360	05:00	03:04:43.4	+61:44:10	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
0086.COMP	10	05:07	03:04:43.4	+61:44:10	600	90	2.0	#204 M-Dwarf R	2	
0087.lspm553	210	05:11	08:11:57.6	+08:46:23	600	90	2.0	#204 M-Dwarf R	2	
0088.COMP	10	05:15	08:11:57.6	+08:46:23	600	90	2.0	#204 M-Dwarf R	2	
0089.LSPMJ0315+0103	830	05:18	03:15:00.9	+01:03:08	600	90	2.0	#204 M-Dwarf R	2	
0090.COMP	10	05:32	03:15:00.9	+01:03:08	600	89	2.0	#204 M-Dwarf R	2	
0091.LSPMJ0528+1231	720	05:36	05:28:56.5	+12:31:54	600	89	2.0	#204 M-Dwarf R	2	
0092.COMP	10	05:49	05:28:56.5	+12:31:54	600	90	2.0	#204 M-Dwarf R	2	
0093.LSPMJ0449+2227	2400	05:53	04:49:46.7	+22:27:53	600	90	2.0	#204 M-Dwarf R	2	
0094.COMP	10	06:33	04:49:46.7	+22:27:53	600	89	2.0	#204 M-Dwarf R	2	
0095.LSPMJ0808+7155W	1800	06:39	08:08:00.2	+71:55:16	600	100	2.0	#204 M-Dwarf R	2	
0096.COMP	10	07:09	08:08:00.2	+71:55:16	600	99	2.0	#204 M-Dwarf R	2	
0097.Hiltner600	90	07:16	06:45:13.4	+02:08:15	600	89	2.0	#56 Spectropho	2	
0098.COMP	10	07:18	06:45:13.4	+02:08:15	600	90	2.0	#56 Spectropho	2	
0099-0108.FLAT	10	07:23	06:45:13.4	+02:08:15	600	90	2.0	#56 Spectropho	2	
0109.sn2012C	1800	07:54	09:37:30.5	+32:50:32	300	40	3.0	#2 SN Observat	2	
0110.COMP	10	08:25	09:37:30.5	+32:50:32	300	39	3.0	#2 SN Observat	2	
0111.HD84937	12	08:27	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0112.COMP	10	08:28	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0113.Feige34	120	08:30	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0114.COMP	10	08:32	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	

UT Date 2012-01-19 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0115.N3377	150	08:35	10:47:42.4	+13:59:08	300	89	3.0	#57 Velocity S	2	
0116.COMP	10	08:37	10:47:42.4	+13:59:08	300	89	3.0	#57 Velocity S	2	
0117-0126.FLAT	7	08:42	10:47:42.4	+13:59:08	300	89	3.0	#57 Velocity S	2	
0127.SDSSJ0802p1019	1800	08:47	08:02:02.8	+10:19:43	300	90	2.0	208 Binary MBH	2	
0128.COMP	10	09:17	08:02:02.8	+10:19:43	300	90	2.0	208 Binary MBH	2	
0129.SDSSJ0802p1019	1800	09:18	08:02:02.8	+10:19:43	300	90	2.0	208 Binary MBH	2	
0130.COMP	10	09:49	08:02:02.8	+10:19:43	300	90	2.0	208 Binary MBH	2	
0131.SDSSJ0802p1019	1800	09:50	08:02:02.8	+10:19:43	300	90	2.0	208 Binary MBH	2	
0132.COMP	10	10:21	08:02:02.8	+10:19:43	300	90	2.0	208 Binary MBH	2	
0133.SDSSJ1030p3102	1800	10:23	10:30:59.1	+31:02:56	300	90	2.0	208 Binary MBH	2	
0134.COMP	10	10:54	10:30:59.1	+31:02:56	300	90	2.0	208 Binary MBH	2	
0135.SDSSJ1120p4235	1800	10:57	11:20:07.4	+42:35:51	300	90	2.0	208 Binary MBH	2	
0136.COMP	10	11:27	11:20:07.4	+42:35:51	300	90	2.0	208 Binary MBH	2	
0137.SDSSJ1120p4235	1800	11:28	11:20:07.4	+42:35:51	300	90	2.0	208 Binary MBH	2	
0138.COMP	10	11:59	11:20:07.4	+42:35:51	300	90	2.0	208 Binary MBH	2	
0139.SDSSJ1120p4235	1800	12:01	11:20:07.4	+42:35:51	300	90	2.0	208 Binary MBH	2	
0140.COMP	10	12:32	11:20:07.4	+42:35:51	300	90	2.0	208 Binary MBH	2	
0141.SDSSJ1136p5738	1800	12:34	11:36:40.9	+57:38:40	300	90	2.0	208 Binary MBH	2	
0142.COMP	10	13:04	11:36:40.9	+57:38:40	300	90	2.0	208 Binary MBH	2	
0143.Feige34	90	13:06	10:39:36.7	+43:06:09	300	90	2.0	#56 Spectropho	2	

UT Date 2012-01-19 Observers M CalkinsColl. Focus 1360 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>
0144.COMP	10	13:08	10:39:36.7	+43:06:09	300	90	2.0	#56 Spectropho	2	
0145.HD84937	15	13:09	09:48:56.1	+13:44:39	300	90	2.0	#56 Spectropho	2	
0146.COMP	10	13:10	09:48:56.1	+13:44:39	300	90	2.0	#56 Spectropho	2	
0147-0156.BIAS	0	13:14	09:48:56.1	+13:44:39	300	90	2.0	#56 Spectropho	2	
0157-0166.FLAT	10	13:19	09:48:56.1	+13:44:39	300	90	2.0	#56 Spectropho	2	
0167-0176.DARK	900	15:43	09:48:56.1	+13:44:39	300	90	2.0	#56 Spectropho	2	

UT Date 2012-01-20 Observers Irwin/CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	900	00:49	23:47:05.7	+31:26:21	300	90	2.0	#56 Spectropho	4	
0008-0017.BIAS	0	01:14	23:47:05.7	+31:26:21	300	90	2.0	#56 Spectropho	4	
0018-0037.FLAT	7	01:35	23:47:05.7	+31:26:21	300	90	3.0	#56 Spectropho	2	
0038-0047.BIAS	0	01:38	23:47:05.7	+31:26:21	300	90	3.0	#56 Spectropho	2	
0048.BDp284211	75	01:50	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0049.COMP	10	01:52	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0050.BDp174708	30	01:54	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0051.COMP	10	01:55	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0052.M31	60	01:57	00:42:44.3	+41:16:09	300	90	3.0	#57 Velocity S	2	
0053.COMP	10	01:59	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0054.sn07rx	1200	02:10	23:40:11.7	+27:25:17	300	-30	3.0	#201 Spectra o	2	
0055.sn07rx	1200	02:31	23:40:11.7	+27:25:17	300	-30	3.0	#201 Spectra o	2	
0056.COMP	10	02:51	23:40:11.7	+27:25:17	300	-30	3.0	#201 Spectra o	2	
0057.MASTER013902	1800	03:02	01:39:02.4	+61:30:56	300	80	3.0	#2 SN Observat	2	
0058.COMP	10	03:33	01:39:02.4	+61:30:56	300	80	3.0	#2 SN Observat	2	
0059.sn2011iv	1800	03:37	03:38:51.3	-35:35:32	300	61	3.0	#2 SN Observat	2	
0060.COMP	10	04:07	03:38:51.3	-35:35:32	300	60	3.0	#2 SN Observat	2	
0061.sn2012E	1500	04:11	02:33:22.8	+09:35:06	300	88	3.0	#2 SN Observat	2	
0062.COMP	10	04:36	02:33:22.8	+09:35:06	300	90	3.0	#2 SN Observat	2	
0063.MASTER040821	1800	04:40	04:08:21.9	+14:15:15	300	90	3.0	#2 SN Observat	2	

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0064.COMP	10	05:11	04:08:21.9	+14:15:15	300	89	3.0	#2 SN Observat	2	
0065.G191B2B	300	05:14	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0066.COMP	10	05:20	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0067.Hiltner600	90	05:23	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0068.COMP	10	05:25	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0069.XPer	4	05:43	03:55:23.0	+31:02:45	1200	90	2.0	#176 Be/X-ray	2	
0070.COMP	10	05:44	03:55:23.0	+31:02:45	1200	90	2.0	#176 Be/X-ray	2	
0071.V0332p53	1800	05:47	03:34:59.8	+53:10:24	1200	90	2.0	#176 Be/X-ray	2	
0072.COMP	10	06:18	03:34:59.8	+53:10:24	1200	89	2.0	#176 Be/X-ray	2	
0073.RXJ04409p4431	300	06:21	04:41:00.6	+44:31:50	1200	89	2.0	#176 Be/X-ray	2	
0074.COMP	10	06:26	04:41:00.6	+44:31:50	1200	89	2.0	#176 Be/X-ray	2	
0075.A0535p262	60	06:28	05:38:54.5	+26:18:57	1200	89	2.0	#176 Be/X-ray	2	
0076.COMP	10	06:30	05:38:54.5	+26:18:57	1200	90	2.0	#176 Be/X-ray	2	
0077.IGRJ06074p2205	600	06:33	06:07:26.6	+22:05:48	1200	89	2.0	#176 Be/X-ray	2	
0078.COMP	10	06:43	06:07:26.6	+22:05:48	1200	90	2.0	#176 Be/X-ray	2	
0079.MXB0656-072	600	06:46	06:58:17.2	-07:12:35	1200	90	2.0	#176 Be/X-ray	2	
0080.COMP	10	06:56	06:58:17.2	-07:12:35	1200	89	2.0	#176 Be/X-ray	2	
0081.G191B2B	300	06:59	05:05:30.6	+52:49:52	1200	90	2.0	#56 Spectropho	2	
0082.COMP	10	07:05	05:05:30.6	+52:49:52	1200	89	2.0	#56 Spectropho	2	
0083.Hiltner600	90	07:07	06:45:13.4	+02:08:15	1200	89	2.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.COMP	10	07:09	06:45:13.4	+02:08:15	1200	90	2.0	#56 Spectropho	2	
0085.FLAT	15	07:11	06:45:13.4	+02:08:15	1200	90	2.0	#56 Spectropho	2	
0086-0096.FLAT	25	07:18	06:45:13.4	+02:08:15	1200	90	2.0	#56 Spectropho	2	
0097.COMP	5	07:26	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	test
0098.COMP	5	07:28	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	test
0099-0118.FLAT	7	07:36	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0119.sn2012C	1800	07:41	09:37:30.5	+32:50:32	300	104	3.0	#2 SN Observat	2	
0120.COMP	10	08:12	09:37:30.5	+32:50:32	300	105	3.0	#2 SN Observat	2	
0121.HD84937	20	08:16	09:48:56.1	+13:44:39	300	91	3.0	#56 Spectropho	2	
0122.COMP	10	08:17	09:48:56.1	+13:44:39	300	91	3.0	#56 Spectropho	2	
0123.Feige34	180	08:19	10:39:36.7	+43:06:09	300	91	3.0	#56 Spectropho	2	
0124.COMP	10	08:22	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0125-0134.FLAT	12	08:37	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0135.bcand534	1500	08:58	11:23:18.7	-03:02:49	600	99	1.5	#178 Very Low	4	
0136.COMP	10	09:23	11:23:18.7	-03:02:49	600	100	1.5	#178 Very Low	4	
0137.bcand534	1500	09:24	11:23:18.7	-03:02:49	600	100	1.5	#178 Very Low	4	
0138.COMP	10	09:50	11:23:18.7	-03:02:49	600	100	1.5	#178 Very Low	4	
0139.bcand861	900	09:58	11:26:49.6	+01:27:58	600	90	1.5	#178 Very Low	4	
0140.COMP	10	10:14	11:26:49.6	+01:27:58	600	90	1.5	#178 Very Low	4	
0141.bcand861	900	10:15	11:26:49.6	+01:27:58	600	90	1.5	#178 Very Low	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0142.COMP	10	10:30	11:26:49.6	+01:27:58	600	90	1.5	#178 Very Low	4	
0143.bcand534	1500	10:34	11:23:18.7	-03:02:49	600	100	1.5	#178 Very Low	4	
0144.COMP	10	10:59	11:23:18.7	-03:02:49	600	100	1.5	#178 Very Low	4	
0145.bcand861	900	11:01	11:26:49.6	+01:27:58	600	91	1.5	#178 Very Low	4	
0146.COMP	10	11:17	11:26:49.6	+01:27:58	600	90	1.5	#178 Very Low	4	
0147.bcand534	1500	11:20	11:23:18.7	-03:02:49	600	100	1.5	#178 Very Low	4	
0148.COMP	10	11:45	11:23:18.7	-03:02:49	600	100	1.5	#178 Very Low	4	
0149.bcand534	1500	11:46	11:23:18.7	-03:02:49	600	99	1.5	#178 Very Low	4	
0150.COMP	10	12:11	11:23:18.7	-03:02:49	600	99	1.5	#178 Very Low	4	
0151.bcand861	900	12:13	11:26:49.6	+01:27:58	600	91	1.5	#178 Very Low	4	
0152.COMP	10	12:29	11:26:49.6	+01:27:58	600	90	1.5	#178 Very Low	4	
0153.bcand861	900	12:30	11:26:49.6	+01:27:58	600	90	1.5	#178 Very Low	4	
0154.COMP	10	12:46	11:26:49.6	+01:27:58	600	91	1.5	#178 Very Low	4	
0155.Feige34	90	13:00	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0156.COMP	10	13:02	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0157.COMP	5	13:05	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	tes
0158.sn2012r1	600	13:16	12:39:35.1	+16:35:12	300	91	3.0	#2 SN Observat	2	
0159.COMP	10	13:26	12:39:35.1	+16:35:12	300	91	3.0	#2 SN Observat	2	
0160-0169.FLAT	7	13:32	12:39:35.1	+16:35:12	300	91	3.0	#2 SN Observat	2	
0170-0179.BIAS	0	13:41	12:39:35.1	+16:35:12	300	91	3.0	#2 SN Observat	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0180-0189.DARK	900	16:00	12:39:35.1	+16:35:12	300	91	3.0	#2 SN Observat	2	

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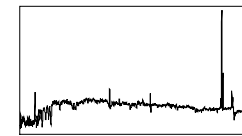
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0013.BIAS	0	22:32	12:39:35.1	+16:35:12	300	91	2.0	#2 SN Observat	2	
0014-0023.BIAS	0	22:34	12:39:35.1	+16:35:12	300	91	2.0	#2 SN Observat	4	
0024-0028.DARK	900	23:37	12:39:35.1	+16:35:12	300	91	2.0	#2 SN Observat	2	
0029-0033.DARK	900	00:54	12:39:35.1	+16:35:12	300	91	2.0	#2 SN Observat	4	
0034.COMP	5	01:17	12:39:35.1	+16:35:12	300	91	2.0	#2 SN Observat	2	test
0035-0044.FLAT	12	01:24	12:39:35.1	+16:35:12	300	91	2.0	#2 SN Observat	2	
0045-0054.BIAS	0	01:26	12:39:35.1	+16:35:12	300	91	2.0	#2 SN Observat	2	
0055.HD19445	10	01:36	03:08:25.6	+26:19:51	300	91	2.0	#208 Binary Ma	2	
0056.COMP	10	01:37	03:08:25.6	+26:19:51	300	91	2.0	#208 Binary Ma	2	
0057.HD19445	25	01:38	03:08:25.6	+26:19:51	300	91	2.0	#208 Binary Ma	2	
0058.COMP	10	01:39	03:08:25.6	+26:19:51	300	91	2.0	#208 Binary Ma	2	
0059.SDSSJ0021+0038	1800	01:52	00:21:41.0	+00:38:42	300	91	2.0	#208 Binary Ma	2	
0060.COMP	10	02:22	00:21:41.0	+00:38:42	300	90	2.0	#208 Binary Ma	2	
0061.SDSSJ0021+0038	1800	02:28	00:21:41.0	+00:38:42	300	90	2.0	#208 Binary Ma	2	
0062.COMP	10	02:58	00:21:41.0	+00:38:42	300	90	2.0	#208 Binary Ma	2	
0063.SDSSJ0021+0038	1800	02:59	00:21:41.0	+00:38:42	300	90	2.0	#208 Binary Ma	2	
0064.COMP	10	03:29	00:21:41.0	+00:38:42	300	91	2.0	#208 Binary Ma	2	
0065.COMP	5	03:34	00:21:41.0	+00:38:42	300	91	3.0	#208 Binary Ma	2	test
0066.COMP	5	03:36	00:21:41.0	+00:38:42	300	91	3.0	#208 Binary Ma	2	test
0067.sn2012m1	1800	03:49	01:39:02.4	+61:30:56	300	89	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.COMP	10	04:20	01:39:02.4	+61:30:56	300	89	3.0	#2 SN Observat	2	
0069.sn2012E	1800	04:22	02:33:22.8	+09:35:06	300	89	3.0	#2 SN Observat	2	
0070.COMP	10	04:52	02:33:22.8	+09:35:06	300	90	3.0	#2 SN Observat	2	
0071.NGC1700	180	04:55	04:56:56.3	-04:51:57	300	90	3.0	#57 Velocity S	2	
0072.NGC1700	180	04:58	04:56:56.3	-04:51:57	300	90	3.0	#57 Velocity S	2	
0073.COMP	10	05:02	04:56:56.3	-04:51:57	300	90	3.0	#57 Velocity S	2	
0074.G191B2B	300	05:05	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0075.COMP	10	05:10	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0076.Hiltner600	90	05:13	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0077.COMP	10	05:15	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0078-0097.FLAT	7	05:22	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0098.COMP	5	05:27	06:45:13.4	+02:08:15	300	89	2.0	#56 Spectropho	2	test
0099.COMP	5	05:29	06:45:13.4	+02:08:15	300	89	2.0	#56 Spectropho	2	test
0100-0109.FLAT	10	05:33	06:45:13.4	+02:08:15	300	89	2.0	#56 Spectropho	2	
0110.SDSSJ0739+4014	1800	05:41	07:39:15.4	+40:14:46	300	106	2.0	#208 Binary Ma	2	
0111.COMP	10	06:12	07:39:15.4	+40:14:46	300	89	2.0	#208 Binary Ma	2	
0112.SDSSJ0739+4014	1800	06:13	07:39:15.4	+40:14:46	300	90	2.0	#208 Binary Ma	2	
0113.COMP	10	06:44	07:39:15.4	+40:14:46	300	89	2.0	#208 Binary Ma	2	
0114.SDSSJ0739+4014	1800	06:47	07:39:15.4	+40:14:46	300	92	2.0	#208 Binary Ma	2	
0115.COMP	10	07:17	07:39:15.4	+40:14:46	300	90	2.0	#208 Binary Ma	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0116.SDSSJ0739+4014	1800	07:18	07:39:15.4	+40:14:46	300	90	2.0	#208 Binary Ma	2	
0117.COMP	10	07:48	07:39:15.4	+40:14:46	300	90	2.0	#208 Binary Ma	2	
0118.HD84937	20	07:50	09:48:56.1	+13:44:39	300	90	2.0	#208 Binary Ma	2	
0119.COMP	10	07:51	09:48:56.1	+13:44:39	300	90	2.0	#208 Binary Ma	2	
0120.COMP	5	07:56	09:48:56.1	+13:44:39	300	90	3.0	#208 Binary Ma	2	
0121.COMP	5	07:58	09:48:56.1	+13:44:39	300	90	3.0	#208 Binary Ma	2	
0122.sn2012C	1800	08:07	09:37:30.5	+32:50:32	300	19	3.0	#2 SN Observat	2	
0123.COMP	10	08:37	09:37:30.5	+32:50:32	300	20	3.0	#2 SN Observat	2	
0124-0143.FLAT	7	08:44	09:37:30.5	+32:50:32	300	20	3.0	#2 SN Observat	2	
0144.bcand534	1548	08:57	11:23:18.7	-03:02:49	600	71	1.5	#178 Very Low	4	
0145.COMP	10	09:23	11:23:18.7	-03:02:49	600	71	1.5	#178 Very Low	4	
0146.bcand534	1500	09:24	11:23:18.7	-03:02:49	600	71	1.5	#178 Very Low	4	
0147.COMP	10	09:49	11:23:18.7	-03:02:49	600	71	1.5	#178 Very Low	4	
0148.bcand861	900	10:14	11:26:49.6	+01:27:58	600	90	1.5	#178 Very Low	4	
0149.COMP	10	10:30	11:26:49.6	+01:27:58	600	90	1.5	#178 Very Low	4	
0150.bcand861	900	10:30	11:26:49.6	+01:27:58	600	90	1.5	#178 Very Low	4	
0151.COMP	10	10:46	11:26:49.6	+01:27:58	600	90	1.5	#178 Very Low	4	
0152.bcand534	1500	10:48	11:23:18.7	-03:02:49	600	72	1.5	#178 Very Low	4	
0153.COMP	10	11:13	11:23:18.7	-03:02:49	600	70	1.5	#178 Very Low	4	
0154.bcand861	900	11:15	11:26:49.6	+01:27:58	600	89	1.5	#178 Very Low	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0155.COMP	10	11:31	11:26:49.6	+01:27:58	600	89	1.5	#178 Very Low	4	
0156.bcand534	1500	11:32	11:23:18.7	-03:02:49	600	70	1.5	#178 Very Low	4	
0157.COMP	10	11:58	11:23:18.7	-03:02:49	600	70	1.5	#178 Very Low	4	
0158.bcand534	1500	11:58	11:23:18.7	-03:02:49	600	70	1.5	#178 Very Low	4	
0159.COMP	10	12:24	11:23:18.7	-03:02:49	600	70	1.5	#178 Very Low	4	
0160.Feige66	120	12:25	12:37:23.5	+25:04:00	600	70	1.5	#56 Spectropho	4	
0161.COMP	10	12:28	12:37:23.5	+25:04:00	600	70	1.5	#56 Spectropho	4	
0162-0171.FLAT	12	12:32	12:37:23.5	+25:04:00	600	70	1.5	#56 Spectropho	4	
0172.COMP	5	12:37	12:37:23.5	+25:04:00	300	90	3.0	#56 Spectropho	2	test
0173.COMP	5	12:39	12:37:23.5	+25:04:00	300	90	3.0	#56 Spectropho	2	test
0174.COMP	5	12:40	12:37:23.5	+25:04:00	300	90	3.0	#56 Spectropho	2	test
0175.sn2012G	1500	12:44	12:39:35.1	+16:35:12	300	109	3.0	#2 SN Observat	2	
0176.COMP	10	13:09	12:39:35.1	+16:35:12	300	109	3.0	#2 SN Observat	2	
0177.sn2011iy	900	13:13	13:08:58.4	-15:31:04	300	29	3.0	#2 SN Observat	2	
0178.COMP	10	13:29	13:08:58.4	-15:31:04	300	31	3.0	#2 SN Observat	2	
0179-0198.FLAT	7	13:40	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	2	
0199-0208.BIAS	0	13:43	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	2	
0209-0218.BIAS	0	13:44	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	4	
0219-0223.DARK	900	14:54	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	2	
0224-0228.DARK	900	16:10	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	22:26	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	2	test
0002-0011.BIAS	0	22:29	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	2	
0012-0021.BIAS	0	22:31	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	4	
0022-0026.DARK	900	23:33	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	2	
0027-0031.DARK	900	00:50	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	4	
0032.COMP	5	01:09	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	2	test
0033-0042.BIAS	0	01:15	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	4	
0043-0052.FLAT	4	01:17	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	4	
0053-0062.BIAS	0	01:19	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	2	
0063-0077.FLAT	7	01:23	13:08:58.4	-15:31:04	300	90	3.0	#2 SN Observat	2	
0078.HD19445	10	02:57	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0079.COMP	10	02:57	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0080.G191B2B	300	03:00	05:05:30.6	+52:49:52	300	91	3.0	#56 Spectropho	2	
0081.COMP	10	03:05	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0082.NGC1700	180	03:08	04:56:56.3	-04:51:57	300	89	3.0	#57 Velocity S	2	
0083.NGC1700	180	03:11	04:56:56.3	-04:51:57	300	89	3.0	#57 Velocity S	2	
0084.COMP	10	03:15	04:56:56.3	-04:51:57	300	89	3.0	#57 Velocity S	2	
0085.sn2012E	2400	03:20	02:33:22.8	+09:35:06	300	90	3.0	#2 SN Observat	2	
0086.COMP	10	04:01	02:33:22.8	+09:35:06	300	91	3.0	#2 SN Observat	2	
0087.COMP	5	04:07	02:33:22.8	+09:35:06	600	91	2.0	#2 SN Observat	2	test

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.LSPMJ0244+4913W	300	04:24	02:44:10.3	+49:13:54	600	41	2.0	#204 M-Dwarf R	2	
0089.COMP	10	04:30	02:44:10.3	+49:13:54	600	41	2.0	#204 M-Dwarf R	2	
0090.G1166C	180	04:33	04:15:21.6	-07:39:21	600	41	2.0	#204 M-Dwarf R	2	junk, cloudy
0091.COMP	10	04:37	04:15:21.6	-07:39:21	600	40	2.0	#204 M-Dwarf R	2	
0092-0101.FLAT	10	04:54	04:15:21.6	-07:39:21	600	89	2.0	#204 M-Dwarf R	2	
0102.G1166C	180	05:09	04:15:21.6	-07:39:21	600	-29	2.0	#204 M-Dwarf R	2	
0103.COMP	10	05:12	04:15:21.6	-07:39:21	600	-29	2.0	#204 M-Dwarf R	2	
0104.LSPMJ0541+5329	60	05:17	05:41:30.7	+53:29:23	600	89	2.0	#204 M-Dwarf R	2	
0105.COMP	10	05:19	05:41:30.7	+53:29:23	600	89	2.0	#204 M-Dwarf R	2	
0106.HD46375B	720	05:23	06:33:12.1	+05:27:53	600	41	2.0	#204 M-Dwarf R	2	
0107.COMP	10	05:36	06:33:12.1	+05:27:53	600	41	2.0	#204 M-Dwarf R	2	
0108.Hiltner600	300	05:42	06:45:13.4	+02:08:15	600	90	2.0	#56 Spectropho	2	
0109.COMP	10	05:47	06:45:13.4	+02:08:15	600	90	2.0	#56 Spectropho	2	
0110.Hiltner600	1200	05:48	06:45:13.4	+02:08:15	600	90	2.0	#56 Spectropho	2	
0111.COMP	10	06:08	06:45:13.4	+02:08:15	600	90	2.0	#56 Spectropho	2	
0112.PM_I06523-0511	120	06:12	06:52:18.0	-05:11:24	600	90	2.0	#204 M-Dwarf R	2	
0113.COMP	10	06:14	06:52:18.0	-05:11:24	600	90	2.0	#204 M-Dwarf R	2	
0114.LSPMJ0546+0112	1800	06:20	05:46:19.4	+01:12:47	600	90	2.0	#204 M-Dwarf R	2	
0115.COMP	10	06:51	05:46:19.4	+01:12:47	600	90	2.0	#204 M-Dwarf R	2	
0116.LSPMJ0852+2818	1800	06:53	08:52:40.8	+28:18:59	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
0117.COMP	10	07:23	08:52:40.8	+28:18:59	600	90	2.0	#204 M-Dwarf R	2	
0118.lspm639	900	07:26	09:17:46.0	+58:25:21	600	90	2.0	#204 M-Dwarf R	2	
0119.COMP	10	07:41	09:17:46.0	+58:25:21	600	90	2.0	#204 M-Dwarf R	2	
0120.lspm645	1800	07:45	09:20:21.9	+26:43:43	600	90	2.0	#204 M-Dwarf R	2	
0121.COMP	10	08:15	09:20:21.9	+26:43:43	600	90	2.0	#204 M-Dwarf R	2	
0122.lspm2000	1800	08:19	09:21:19.4	+73:06:38	600	90	2.0	#204 M-Dwarf R	2	
0123.COMP	10	08:49	09:21:19.4	+73:06:38	600	90	2.0	#204 M-Dwarf R	2	
0124.COMP	5	08:56	09:21:19.4	+73:06:38	300	90	3.0	#204 M-Dwarf R	2	test
0125-0144.FLAT	7	09:04	09:21:19.4	+73:06:38	300	90	3.0	#204 M-Dwarf R	2	
0145.sn2012C	1800	09:13	09:37:30.5	+32:50:32	300	21	3.0	#2 SN Observat	2	
0146.COMP	10	09:44	09:37:30.5	+32:50:32	300	21	3.0	#2 SN Observat	2	
0147.Feige34	300	09:48	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0148.COMP	10	09:53	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0149.HD84937	40	09:55	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0150.COMP	10	09:56	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0151.HD84937	20	09:57	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0152.COMP	10	09:58	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0153.sn2012G	1800	10:05	12:39:35.1	+16:35:12	300	109	3.0	#2 SN Observat	2	
0154.COMP	10	10:35	12:39:35.1	+16:35:12	300	109	3.0	#2 SN Observat	2	
0155.sn2011jm	1800	10:37	12:54:51.1	+02:39:15	300	110	3.0	#2 SN Observat	2	

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0156.COMP	10	11:08	12:54:51.1	+02:39:15	300	109	3.0	#2 SN Observat	2	
0157.N120123015	1800	11:11	12:54:00.4	+02:22:51	300	90	3.0	#192 DASCH Lon	2	
0158.COMP	10	11:41	12:54:00.4	+02:22:51	300	90	3.0	#192 DASCH Lon	2	
0159.sn2011iy	1197	11:47	13:08:58.4	-15:31:04	300	21	3.0	#2 SN Observat	2	
0160.COMP	10	12:07	13:08:58.4	-15:31:04	300	21	3.0	#2 SN Observat	2	
0161.psn1435	1800	12:12	14:35:44.6	+24:43:41	300	10	3.0	#2 SN Observat	2	
0162.COMP	10	12:43	14:35:44.6	+24:43:41	300	10	3.0	#2 SN Observat	2	
0163.psn1456	1800	12:46	14:56:59.8	+24:35:59	300	80	3.0	#2 SN Observat	2	
0164.COMP	10	13:16	14:56:59.8	+24:35:59	300	80	3.0	#2 SN Observat	2	
0165-0174.BIAS	0	13:32	14:03:05.8	+54:16:25	300	80	3.0	#2 SN Observat	4	
0175-0184.FLAT	4	13:34	14:03:05.8	+54:16:25	300	80	3.0	#2 SN Observat	4	
0185-0194.BIAS	0	13:36	14:03:05.8	+54:16:25	300	80	3.0	#2 SN Observat	2	
0195-0209.FLAT	7	13:41	14:03:05.8	+54:16:25	300	80	3.0	#2 SN Observat	2	
0210-0214.DARK	900	14:50	14:03:05.8	+54:16:25	300	80	3.0	#2 SN Observat	2	
0215-0219.DARK	900	16:06	14:03:05.8	+54:16:25	300	80	3.0	#2 SN Observat	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	22:11	14:03:05.8	+54:16:25	300	80	2.0	#2 SN Observat	2	test
0002.COMP	5	22:12	14:03:05.8	+54:16:25	300	80	2.0	#2 SN Observat	2	test
0003-0007.DARK	900	23:17	14:03:05.8	+54:16:25	300	80	2.0	#2 SN Observat	2	
0008-0012.DARK	900	00:33	14:03:05.8	+54:16:25	300	80	2.0	#2 SN Observat	4	
0013-0022.BIAS	0	01:01	14:03:05.8	+54:16:25	300	80	2.0	#2 SN Observat	2	
0023-0032.BIAS	0	01:03	14:03:05.8	+54:16:25	300	80	2.0	#2 SN Observat	4	
0033.COMP	5	01:14	14:03:05.8	+54:16:25	600	80	2.0	#2 SN Observat	2	test
0034.COMP	5	01:16	14:03:05.8	+54:16:25	600	80	2.0	#2 SN Observat	2	test
0035.COMP	5	01:18	14:03:05.8	+54:16:25	600	80	2.0	#2 SN Observat	2	test
0036-0045.FLAT	10	01:23	14:03:05.8	+54:16:25	600	80	2.0	#2 SN Observat	2	
0046.HD19445	15	01:45	03:08:25.6	+26:19:51	600	90	2.0	#56 Spectropho	2	very cloudy, not enough
0047.COMP	10	01:46	03:08:25.6	+26:19:51	600	90	2.0	#56 Spectropho	2	
0048.HD19445	440	01:47	03:08:25.6	+26:19:51	600	90	2.0	#56 Spectropho	2	very cloudy
0049.COMP	10	01:55	03:08:25.6	+26:19:51	600	90	2.0	#56 Spectropho	2	
0050.lspm2453	1800	01:57	23:51:22.3	+23:44:21	600	90	2.0	#204 M-Dwarf R	2	
0051.COMP	10	02:28	23:51:22.3	+23:44:21	600	90	2.0	#204 M-Dwarf R	2	
0052.LSPMJ0045+0015N	1800	02:30	00:45:13.6	+00:15:51	600	90	2.0	#204 M-Dwarf R	2	
0053.COMP	10	03:00	00:45:13.6	+00:15:51	600	90	2.0	#204 M-Dwarf R	2	
0054.G153.1B	1274	03:05	01:07:38.5	+22:57:21	600	-20	2.0	#204 M-Dwarf R	2	
0055.COMP	10	03:26	01:07:38.5	+22:57:21	600	-20	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
0056.G134B	300	03:30	00:49:05.2	+57:49:04	600	50	2.0	#204 M-Dwarf R	2	too much contamination
0057.COMP	10	03:36	00:49:05.2	+57:49:04	600	49	2.0	#204 M-Dwarf R	2	
0058.G134B	30	03:37	00:49:05.2	+57:49:04	600	49	2.0	#204 M-Dwarf R	2	
0059.lspm1748	1025	03:41	02:12:54.6	+00:00:17	600	89	2.0	#204 M-Dwarf R	2	
0060.COMP	10	03:59	02:12:54.6	+00:00:17	600	89	2.0	#204 M-Dwarf R	2	
0061.COMP	5	04:05	02:12:54.6	+00:00:17	300	89	3.0	#204 M-Dwarf R	2	test
0062.COMP	5	04:07	02:12:54.6	+00:00:17	300	89	3.0	#204 M-Dwarf R	2	test
0063.COMP	5	04:08	02:12:54.6	+00:00:17	300	89	3.0	#204 M-Dwarf R	2	test
0064.sn2012E	1800	04:25	02:33:22.8	+09:35:06	300	89	3.0	#2 SN Observat	2	some clouds
0065.COMP	10	04:56	02:33:22.8	+09:35:06	300	90	3.0	#2 SN Observat	2	
0066.SDSS0330-0718	1200	04:58	03:30:01.6	-07:18:28	300	89	3.0	#165 Quasar Br	2	focus bad?
0067.COMP	10	05:18	03:30:01.6	-07:18:28	300	89	3.0	#165 Quasar Br	2	
0068.SDSS0330-0718	1200	05:19	03:30:01.6	-07:18:28	300	90	3.0	#165 Quasar Br	2	focus bad
0069.COMP	10	05:39	03:30:01.6	-07:18:28	300	90	3.0	#165 Quasar Br	2	
0070.SDSS0330-0718	1200	05:42	03:30:01.6	-07:18:28	300	89	3.0	#165 Quasar Br	2	focus adjusted
0071.COMP	10	06:02	03:30:01.6	-07:18:28	300	89	3.0	#165 Quasar Br	2	
0072.SDSS0737+3844	1200	06:06	07:37:40.0	+38:44:13	300	90	3.0	#165 Quasar Br	2	
0073.COMP	10	06:26	07:37:40.0	+38:44:13	300	90	3.0	#165 Quasar Br	2	
0074.SDSS0737+3844	1200	06:27	07:37:40.0	+38:44:13	300	90	3.0	#165 Quasar Br	2	
0075.COMP	10	06:48	07:37:40.0	+38:44:13	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
0076.SDSS0737+3844	1200	06:48	07:37:40.0	+38:44:13	300	89	3.0	#165 Quasar Br	2	
0077.COMP	10	07:09	07:37:40.0	+38:44:13	300	89	3.0	#165 Quasar Br	2	
0078.SDSS0803+3022	1200	07:10	08:03:42.0	+30:22:55	300	89	3.0	#165 Quasar Br	2	
0079.COMP	10	07:31	08:03:42.0	+30:22:55	300	90	3.0	#165 Quasar Br	2	
0080.SDSS0803+3022	1200	07:32	08:03:42.0	+30:22:55	300	90	3.0	#165 Quasar Br	2	
0081.COMP	10	07:52	08:03:42.0	+30:22:55	300	89	3.0	#165 Quasar Br	2	
0082.SDSS0803+3022	1200	08:05	08:03:42.0	+30:22:55	300	89	3.0	#165 Quasar Br	2	
0083.COMP	10	08:25	08:03:42.0	+30:22:55	300	89	3.0	#165 Quasar Br	2	
0084.SDSS0845+3420	1200	08:28	08:45:38.7	+34:20:44	300	89	3.0	#165 Quasar Br	2	
0085.COMP	10	08:48	08:45:38.7	+34:20:44	300	89	3.0	#165 Quasar Br	2	
0086.SDSS0845+3420	1200	08:49	08:45:38.7	+34:20:44	300	89	3.0	#165 Quasar Br	2	
0087.COMP	10	09:09	08:45:38.7	+34:20:44	300	89	3.0	#165 Quasar Br	2	
0088.SDSS0845+3420	1200	09:10	08:45:38.7	+34:20:44	300	89	3.0	#165 Quasar Br	2	
0089.COMP	10	09:31	08:45:38.7	+34:20:44	300	89	3.0	#165 Quasar Br	2	
0090.sn2012C	1800	09:35	09:37:30.5	+32:50:32	300	20	3.0	#2 SN Observat	2	
0091.COMP	10	10:05	09:37:30.5	+32:50:32	300	20	3.0	#2 SN Observat	2	
0092.sn2012G	1800	10:08	12:39:35.1	+16:35:12	300	109	3.0	#2 SN Observat	2	
0093.COMP	10	10:38	12:39:35.1	+16:35:12	300	109	3.0	#2 SN Observat	2	
0094.sn2011jm	1800	10:43	12:54:51.1	+02:39:15	300	108	3.0	#2 SN Observat	2	
0095.COMP	10	11:13	12:54:51.1	+02:39:15	300	108	3.0	#2 SN Observat	2	

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0096.HD84937	20	11:17	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0097.HD84937	20	11:18	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0098.COMP	10	11:19	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0099.Feige34	180	11:22	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0100.COMP	10	11:25	10:39:36.7	+43:06:09	300	91	3.0	#56 Spectropho	2	
0101.N4853	300	11:27	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0102.N4853	900	11:32	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0103.COMP	10	11:48	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0104.sn2011iy	1200	11:51	13:08:58.4	-15:31:04	300	20	3.0	#2 SN Observat	2	
0105.COMP	10	12:12	13:08:58.4	-15:31:04	300	20	3.0	#2 SN Observat	2	
0106.psn1435	1800	12:18	14:35:44.6	+24:43:41	300	10	3.0	#2 SN Observat	2	
0107.COMP	10	12:48	14:35:44.6	+24:43:41	300	10	3.0	#2 SN Observat	2	
0108.sn2011fe	1800	12:53	14:03:05.8	+54:16:25	300	61	3.0	#2 SN Observat	2	
0109.COMP	10	13:23	14:03:05.8	+54:16:25	300	61	3.0	#2 SN Observat	2	
0110-0119.BIAS	0	13:29	14:03:05.8	+54:16:25	300	90	3.0	#2 SN Observat	4	
0120-0129.FLAT	4	13:31	14:03:05.8	+54:16:25	300	90	3.0	#2 SN Observat	4	
0130-0139.BIAS	0	13:34	14:03:05.8	+54:16:25	300	90	3.0	#2 SN Observat	2	
0140-0154.FLAT	7	13:38	14:03:05.8	+54:16:25	300	90	3.0	#2 SN Observat	2	
0155-0159.DARK	900	14:48	14:03:05.8	+54:16:25	300	90	3.0	#2 SN Observat	2	
0160-0164.DARK	900	16:05	14:03:05.8	+54:16:25	300	90	3.0	#2 SN Observat	4	

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0001-0005.DARK	900	00:20	14:03:05.8	+54:16:25	300	90	3.0	#2 SN Observat	2	
0006.COMP	5	00:42	14:03:05.8	+54:16:25	300	90	3.0	#2 SN Observat	2	
0007-0016.BIAS	0	00:45	14:03:05.8	+54:16:25	300	90	3.0	#2 SN Observat	4	
0017-0026.FLAT	4	00:47	14:03:05.8	+54:16:25	300	90	3.0	#2 SN Observat	4	
0028.BIAS	0	02:29	03:15:22.0	+31:27:47	300	91	3.0	#2 SN Observat	2	test - ccd hang
0029-0038.BIAS	0	02:35	03:15:22.0	+31:27:47	300	91	3.0	#2 SN Observat	4	
0039-0048.FLAT	4	02:37	03:15:22.0	+31:27:47	300	91	3.0	#2 SN Observat	4	
0049-0058.BIAS	0	02:39	03:15:22.0	+31:27:47	300	91	3.0	#2 SN Observat	2	
0059-0073.FLAT	7	02:43	03:15:22.0	+31:27:47	300	91	3.0	#2 SN Observat	2	
0074.sn2012G	1800	12:18	12:39:35.1	+16:35:12	300	110	3.0	#2 SN Observat	2	
0075.COMP	10	12:48	12:39:35.1	+16:35:12	300	110	3.0	#2 SN Observat	2	
0076-0085.BIAS	0	13:01	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	4	
0086-0095.FLAT	4	13:03	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	4	
0096-0105.BIAS	0	13:05	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0106-0120.FLAT	7	13:09	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0121-0125.DARK	900	14:21	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0126-0130.DARK	900	15:37	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	00:06	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0006-0010.DARK	900	01:25	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	4	
0011-0020.BIAS	0	01:52	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	4	
0021-0030.FLAT	4	01:54	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	4	
0031-0040.BIAS	0	01:56	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0041-0055.FLAT	7	02:01	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0056-0065.FLAT	12	08:22	14:49:02.4	+25:42:09	600	90	1.5	#56 Spectropho	4	
0066.COMP	10	08:24	14:49:02.4	+25:42:09	600	90	1.5	#56 Spectropho	4	test
0067.Feige34	450	08:37	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	seeing terrible
0068.COMP	10	08:45	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0069.lmwd050	690	08:51	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0070.COMP	10	09:03	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0071.lmwd050	690	09:04	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0072.COMP	10	09:15	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0073.lmwd050	690	09:16	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0074.COMP	10	09:28	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0075.lmwd050	690	09:30	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0076.COMP	10	09:42	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0077.lmwd050	690	09:43	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0078.COMP	10	09:55	11:12:15.8	+11:17:45	600	91	1.5	#178 Very Low	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0079.lmwd050	690	09:56	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0080.COMP	10	10:08	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0081.lmwd050	690	10:09	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0082.COMP	10	10:21	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0083.lmwd050	690	10:23	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0084.COMP	10	10:35	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0085.lmwd050	690	10:35	11:12:15.8	+11:17:45	600	91	1.5	#178 Very Low	4	
0086.COMP	10	10:47	11:12:15.8	+11:17:45	600	89	1.5	#178 Very Low	4	
0087.lmwd050	690	10:48	11:12:15.8	+11:17:45	600	91	1.5	#178 Very Low	4	
0088.COMP	10	11:00	11:12:15.8	+11:17:45	600	91	1.5	#178 Very Low	4	
0089.lmwd050	690	11:02	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0090.COMP	10	11:14	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0091.lmwd050	690	11:14	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0092.COMP	10	11:26	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0093.lmwd050	690	11:28	11:12:15.8	+11:17:45	600	91	1.5	#178 Very Low	4	seeing improved about 1.5 arcsec
0094.COMP	10	11:40	11:12:15.8	+11:17:45	600	91	1.5	#178 Very Low	4	
0095.lmwd050	690	11:40	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0096.COMP	10	11:52	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0097.lmwd050	690	11:53	11:12:15.8	+11:17:45	600	90	1.5	#178 Very Low	4	
0098.COMP	10	12:05	11:12:15.8	+11:17:45	600	91	1.5	#178 Very Low	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0099.COMP	5	12:10	11:12:15.8	+11:17:45	300	91	3.0	#178 Very Low	2	test
0100.sn2012G	1800	12:14	12:39:35.1	+16:35:12	300	110	3.0	#2 SN Observat	2	
0101.COMP	10	12:44	12:39:35.1	+16:35:12	300	110	3.0	#2 SN Observat	2	
0102.psn1459	1500	12:47	14:59:59.0	+01:53:25	300	-10	3.0	#2 SN Observat	2	
0103.COMP	10	13:12	14:59:59.0	+01:53:25	300	-10	3.0	#2 SN Observat	2	
0104.N4853	300	13:15	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0105.COMP	10	13:21	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0106.BDp262606	60	13:22	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0107.COMP	10	13:24	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0108.BDp332642	120	13:25	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0109.COMP	10	13:28	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0110-0119.BIAS	0	13:32	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	4	
0120-0129.FLAT	4	13:34	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	4	
0130-0139.BIAS	0	13:36	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0140-0154.FLAT	7	13:40	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0155-0159.DARK	900	14:50	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0160-0164.DARK	900	16:06	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	23:02	15:51:59.9	+32:56:54	300	90	2.0	#56 Spectropho	2	test
0002.COMP	5	23:04	15:51:59.9	+32:56:54	300	90	2.0	#56 Spectropho	2	test
0003.COMP	5	23:06	15:51:59.9	+32:56:54	300	90	2.0	#56 Spectropho	2	test
0004.COMP	5	23:08	15:51:59.9	+32:56:54	300	90	2.0	#56 Spectropho	2	test
0005-0009.DARK	900	00:12	15:51:59.9	+32:56:54	300	90	2.0	#56 Spectropho	2	
0010-0019.BIAS	0	00:35	15:51:59.9	+32:56:54	300	90	2.0	#56 Spectropho	4	
0020-0029.BIAS	0	00:37	15:51:59.9	+32:56:54	300	90	2.0	#56 Spectropho	2	
0030-0039.FLAT	12	00:42	15:51:59.9	+32:56:54	300	90	2.0	#56 Spectropho	2	
0040.HD19445	10	01:30	03:08:25.6	+26:19:51	300	90	2.0	#208 Binary Ma	2	
0041.COMP	10	01:30	03:08:25.6	+26:19:51	300	90	2.0	#208 Binary Ma	2	
0042.HD19445	40	01:31	03:08:25.6	+26:19:51	300	90	2.0	#208 Binary Ma	2	
0043.SDSSJ0021+0038	1800	02:07	00:21:41.0	+00:38:42	300	89	2.0	#208 Binary Ma	2	seeing poor
0044.COMP	10	02:38	00:21:41.0	+00:38:42	300	89	2.0	#208 Binary Ma	2	
0045.SDSSJ0021+0038	1800	02:41	00:21:41.0	+00:38:42	300	89	2.0	#208 Binary Ma	2	
0046.COMP	10	03:11	00:21:41.0	+00:38:42	300	89	2.0	#208 Binary Ma	2	
0047.COMP	5	03:16	00:21:41.0	+00:38:42	300	89	3.0	#208 Binary Ma	2	test
0048.COMP	5	03:17	00:21:41.0	+00:38:42	300	89	3.0	#208 Binary Ma	2	test
0049.sn2012E	1800	03:21	02:33:22.8	+09:35:06	300	90	3.0	#2 SN Observat	2	
0050.COMP	10	03:51	02:33:22.8	+09:35:06	300	90	3.0	#2 SN Observat	2	
0051.GITau	240	03:55	04:33:34.0	+24:21:18	300	60	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.COMP	10	04:00	04:33:34.0	+24:21:18	300	60	3.0	#12 Symbiotic	2	
0053.GKTau	240	04:01	04:33:34.5	+24:21:07	300	61	3.0	#12 Symbiotic	2	
0054.COMP	10	04:05	04:33:34.5	+24:21:07	300	61	3.0	#12 Symbiotic	2	
0055.NGC1700	300	04:08	04:56:56.3	-04:51:57	300	90	3.0	#57 Velocity S	2	
0056.NGC1700	300	04:13	04:56:56.3	-04:51:57	300	90	3.0	#57 Velocity S	2	
0057.COMP	10	04:18	04:56:56.3	-04:51:57	300	90	3.0	#57 Velocity S	2	
0058.G191B2B	300	04:24	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0059.COMP	10	04:29	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0060.Hiltner600	120	04:33	06:45:13.4	+02:08:15	300	60	3.0	#56 Spectropho	2	
0061.COMP	10	04:35	06:45:13.4	+02:08:15	300	60	3.0	#56 Spectropho	2	forgot flats. CRAP! sorry
0062.COMP	5	04:40	06:45:13.4	+02:08:15	300	90	2.0	#56 Spectropho	2	test
0063.COMP	5	04:41	06:45:13.4	+02:08:15	300	90	2.0	#56 Spectropho	2	test
0064-0073.FLAT	12	04:48	06:45:13.4	+02:08:15	300	90	2.0	#56 Spectropho	2	
0074.SDSSJ0739+4014	1800	04:55	07:39:15.4	+40:14:46	300	71	2.0	#208 Binary Ma	2	seeing poor
0075.COMP	10	05:25	07:39:15.4	+40:14:46	300	71	2.0	#208 Binary Ma	2	
0076.SDSSJ0739+4014	1800	05:26	07:39:15.4	+40:14:46	300	71	2.0	#208 Binary Ma	2	seeing better
0077.COMP	10	05:56	07:39:15.4	+40:14:46	300	71	2.0	#208 Binary Ma	2	
0078.SDSSJ0739+4014	1800	05:57	07:39:15.4	+40:14:46	300	70	2.0	#208 Binary Ma	2	seeing better
0079.COMP	10	06:27	07:39:15.4	+40:14:46	300	70	2.0	#208 Binary Ma	2	
0080.SDSSJ0739+4014	1800	06:31	07:39:15.4	+40:14:46	300	70	2.0	#208 Binary Ma	2	

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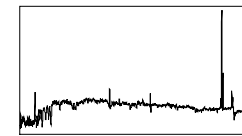
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0081.COMP	10	07:01	07:39:15.4	+40:14:46	300	71	2.0	#208 Binary Ma	2	
0082.SDSSJ0739+4014	1800	07:04	07:39:15.4	+40:14:46	300	71	2.0	#208 Binary Ma	2	
0083.COMP	10	07:34	07:39:15.4	+40:14:46	300	71	2.0	#208 Binary Ma	2	
0084.SDSSJ0739+4014	1800	07:36	07:39:15.4	+40:14:46	300	70	2.0	#208 Binary Ma	2	
0085.COMP	10	08:07	07:39:15.4	+40:14:46	300	71	2.0	#208 Binary Ma	2	
0086-0095.FLAT	12	08:25	07:39:15.4	+40:14:46	600	90	1.5	#208 Binary Ma	4	
0096.lmwd531	1500	08:31	07:45:12.3	+00:58:48	600	90	1.5	#178 Very Low	4	
0097.COMP	10	08:56	07:45:12.3	+00:58:48	600	90	1.5	#178 Very Low	4	
0098.lmwd536	1500	08:58	09:42:37.0	+46:54:57	600	90	1.5	#178 Very Low	4	
0099.COMP	10	09:24	09:42:37.0	+46:54:57	600	90	1.5	#178 Very Low	4	
0100.lmwd537	585	09:27	10:37:26.7	+21:49:01	600	90	1.5	#178 Very Low	4	
0101.COMP	10	09:42	10:37:26.7	+21:49:01	600	88	1.5	#178 Very Low	4	
0102.Feige34	180	10:14	10:39:36.7	+43:06:09	600	91	1.5	#56 Spectropho	4	
0103.COMP	10	10:17	10:39:36.7	+43:06:09	600	91	1.5	#56 Spectropho	4	
0104-0118.FLAT	7	10:33	10:39:36.7	+43:06:09	300	91	3.0	#56 Spectropho	2	
0119.sn2012C	1800	10:38	09:37:30.5	+32:50:32	300	22	3.0	#2 SN Observat	2	
0120.COMP	10	11:08	09:37:30.5	+32:50:32	300	22	3.0	#2 SN Observat	2	
0121.sn2012G	1800	11:11	12:39:35.1	+16:35:12	300	-9516270	3.0	#2 SN Observat	2	
0122.COMP	10	11:41	12:39:35.1	+16:35:12	300	-9516270	3.0	#2 SN Observat	2	
0123.sn2011jm	1800	11:43	12:54:51.1	+02:39:15	300	110	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0124.COMP	10	12:13	12:54:51.1	+02:39:15	300	110	3.0	#2 SN Observat	2	
0125.sn2011iy	1200	12:18	13:08:58.4	-15:31:04	300	20	3.0	#2 SN Observat	2	
0126.COMP	10	12:38	13:08:58.4	-15:31:04	300	20	3.0	#2 SN Observat	2	
0127.sn1012P	1500	12:43	14:59:59.0	+01:53:25	300	-10	3.0	#2 SN Observat	2	
0128.COMP	10	13:08	14:59:59.0	+01:53:25	300	-10	3.0	#2 SN Observat	2	
0129.psn1418	900	13:14	14:18:56.1	-27:24:57	300	14	3.0	#2 SN Observat	2	
0130.COMP	10	13:29	14:18:56.1	-27:24:57	300	14	3.0	#2 SN Observat	2	
0131.BDp262606	60	13:33	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0132.COMP	10	13:34	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0133.BDp332642	120	13:35	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0134.COMP	10	13:38	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0135-0144.BIAS	0	13:42	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	4	
0145-0154.FLAT	4	13:44	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	4	
0155-0164.BIAS	0	13:46	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0165-0179.FLAT	7	13:51	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0180-0184.DARK	900	15:00	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0185-0189.DARK	900	16:16	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	23:03	15:51:59.9	+32:56:54	1200	89	2.0	#56 Spectropho	2	test
0002.COMP	5	23:10	15:51:59.9	+32:56:54	1200	89	2.0	#56 Spectropho	2	test
0003.DARK	900	23:13	15:51:59.9	+32:56:54	1200	89	2.0	#56 Spectropho	2	binby2
0004-0007.DARK	900	00:14	15:51:59.9	+32:56:54	1200	89	2.0	#56 Spectropho	2	
0008.BIAS	0	00:30	15:51:59.9	+32:56:54	1200	89	2.0	#56 Spectropho	2	binby2
0009-0017.BIAS	0	00:32	15:51:59.9	+32:56:54	1200	89	2.0	#56 Spectropho	2	
0018.BIAS	0	00:32	15:51:59.9	+32:56:54	1200	89	2.0	#56 Spectropho	4	binby4
0019-0027.BIAS	0	00:34	15:51:59.9	+32:56:54	1200	89	2.0	#56 Spectropho	4	
0028.FLAT	15	00:35	15:51:59.9	+32:56:54	1200	89	2.0	#56 Spectropho	2	1200gpm, 850+spacer, 2sec, gg495, binby2, Zexas
0029-0042.FLAT	15	00:41	15:51:59.9	+32:56:54	1200	89	2.0	#56 Spectropho	2	
0043.HD19445	30	01:28	03:08:25.6	+26:19:51	1200	89	2.0	#56 Spectropho	2	
0044.COMP	10	01:29	03:08:25.6	+26:19:51	1200	89	2.0	#56 Spectropho	2	
0045.HD19445	30	01:29	03:08:25.6	+26:19:51	1200	89	2.0	#56 Spectropho	2	
0046.RXJ01469p6121	120	01:38	01:47:00.0	+61:21:23	1200	89	2.0	#176 Be/X-ray	2	
0047.COMP	10	01:41	01:47:00.0	+61:21:23	1200	89	2.0	#176 Be/X-ray	2	
0048.LSIp61303	120	01:45	02:40:31.6	+61:13:46	1200	89	2.0	#176 Be/X-ray	2	
0049.COMP	10	01:47	02:40:31.6	+61:13:46	1200	89	2.0	#176 Be/X-ray	2	
0050.RXJ01469p6121	240	01:49	01:47:00.0	+61:21:23	1200	89	2.0	#176 Be/X-ray	2	
0051.COMP	10	01:53	01:47:00.0	+61:21:23	1200	89	2.0	#176 Be/X-ray	2	
0052.IGRJ01363p6610	600	01:56	01:35:49.8	+66:12:43	1200	92	2.0	#176 Be/X-ray	2	

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0053.COMP	10	02:07	01:35:49.8	+66:12:43	1200	92	2.0	#176 Be/X-ray	2	
0054.4U0115p634	1800	02:09	01:18:32.0	+63:44:33	1200	90	2.0	#176 Be/X-ray	2	
0055.COMP	10	02:39	01:18:32.0	+63:44:33	1200	90	2.0	#176 Be/X-ray	2	
0056.IGRJ01583p6713	1500	02:41	01:58:18.2	+67:13:26	1200	90	2.0	#176 Be/X-ray	2	
0057.COMP	10	03:06	01:58:18.2	+67:13:26	1200	90	2.0	#176 Be/X-ray	2	
0058.COMP	5	03:13	01:58:18.2	+67:13:26	300	90	3.0	#176 Be/X-ray	2	test
0059.COMP	5	03:14	01:58:18.2	+67:13:26	300	90	3.0	#176 Be/X-ray	2	test
0060.COMP	5	03:15	01:58:18.2	+67:13:26	300	90	3.0	#176 Be/X-ray	2	test
0061.COMP	5	03:17	01:58:18.2	+67:13:26	300	90	3.0	#176 Be/X-ray	2	test, got it finally
0062.psn0149	1800	03:20	01:49:47.7	+31:44:50	300	90	3.0	#2 SN Observat	2	std combo setup
0063.COMP	10	03:51	01:49:47.7	+31:44:50	300	90	3.0	#2 SN Observat	2	
0064.sn2012E	1800	03:54	02:33:22.8	+09:35:06	300	90	3.0	#2 SN Observat	2	
0065.COMP	10	04:24	02:33:22.8	+09:35:06	300	90	3.0	#2 SN Observat	2	
0066.GITau	240	04:30	04:33:34.0	+24:21:18	300	61	3.0	#12 Symbiotic	2	redone in case my flat snafu last night is a problem
0067.COMP	10	04:35	04:33:34.0	+24:21:18	300	60	3.0	#12 Symbiotic	2	
0068.GKTau	240	04:36	04:33:34.5	+24:21:07	300	60	3.0	#12 Symbiotic	2	redone in case my flat snafu last night is a problem
0069.COMP	10	04:40	04:33:34.5	+24:21:07	300	60	3.0	#12 Symbiotic	2	
0070.NGC1700	900	04:43	04:56:56.3	-04:51:57	300	89	3.0	#57 Velocity S	2	
0071.COMP	10	04:58	04:56:56.3	-04:51:57	300	90	3.0	#57 Velocity S	2	
0072.G191B2B	300	05:01	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0073.COMP	10	05:06	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0074.Hiltner600	90	05:08	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0075.COMP	10	05:10	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0076-0095.FLAT	7	05:17	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0096.COMP	5	05:20	06:45:13.4	+02:08:15	300	90	2.0	#56 Spectropho	2	test
0097.COMP	5	05:25	06:45:13.4	+02:08:15	300	90	2.0	#56 Spectropho	2	test
0098.COMP	5	05:26	06:45:13.4	+02:08:15	300	90	2.0	#56 Spectropho	2	test
0099.FLAT	10	05:29	06:45:13.4	+02:08:15	300	90	2.0	#56 Spectropho	2	300gpm, 655, 2sec,binby2, XinLiu
0100-0108.FLAT	10	05:32	06:45:13.4	+02:08:15	300	90	2.0	#56 Spectropho	2	
0109.SDSSJ0802+1019	1800	05:39	08:02:02.8	+10:19:43	300	90	2.0	#208 Binary Ma	2	
0110.COMP	10	06:09	08:02:02.8	+10:19:43	300	90	2.0	#208 Binary Ma	2	
0111.SDSSJ0802+1019	1800	06:10	08:02:02.8	+10:19:43	300	90	2.0	#208 Binary Ma	2	
0112.COMP	10	06:40	08:02:02.8	+10:19:43	300	89	2.0	#208 Binary Ma	2	
0113.SDSSJ0802+1019	1800	06:42	08:02:02.8	+10:19:43	300	89	2.0	#208 Binary Ma	2	
0114.COMP	10	07:13	08:02:02.8	+10:19:43	300	89	2.0	#208 Binary Ma	2	
0115.SDSSJ0802+1019	1800	07:14	08:02:02.8	+10:19:43	300	90	2.0	#208 Binary Ma	2	
0116.COMP	10	07:45	08:02:02.8	+10:19:43	300	90	2.0	#208 Binary Ma	2	
0117.SDSSJ0802+1019	1800	07:46	08:02:02.8	+10:19:43	300	89	2.0	#208 Binary Ma	2	
0118.COMP	10	08:16	08:02:02.8	+10:19:43	300	89	2.0	#208 Binary Ma	2	
0119.SDSSJ0802+1019	1800	08:17	08:02:02.8	+10:19:43	300	89	2.0	#208 Binary Ma	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0120.COMP	10	08:48	08:02:02.8	+10:19:43	300	89	2.0	#208 Binary Ma	2	
0121.SDSSJ0802+1019	1800	08:49	08:02:02.8	+10:19:43	300	89	2.0	#208 Binary Ma	2	
0122.COMP	10	09:19	08:02:02.8	+10:19:43	300	90	2.0	#208 Binary Ma	2	
0123.HD84937	30	09:21	09:48:56.1	+13:44:39	300	90	2.0	#208 Binary Ma	2	
0124.HD84937	30	09:22	09:48:56.1	+13:44:39	300	90	2.0	#208 Binary Ma	2	
0125.COMP	10	09:23	09:48:56.1	+13:44:39	300	90	2.0	#208 Binary Ma	2	
0126.COMP	5	09:26	09:48:56.1	+13:44:39	300	90	3.0	#208 Binary Ma	2	test
0127.COMP	5	09:27	09:48:56.1	+13:44:39	300	90	3.0	#208 Binary Ma	2	test
0128.FLAT	7	09:29	09:48:56.1	+13:44:39	300	90	3.0	#208 Binary Ma	2	std combo setup
0129-0147.FLAT	7	09:35	09:48:56.1	+13:44:39	300	90	3.0	#208 Binary Ma	2	
0148.sn2012C	1800	09:38	09:37:30.5	+32:50:32	300	20	3.0	#2 SN Observat	2	
0149.COMP	10	10:09	09:37:30.5	+32:50:32	300	20	3.0	#2 SN Observat	2	
0150.TXCVn	10	10:12	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0151.TXCVn	30	10:13	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0152.COMP	10	10:14	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0153.sn2012G	1800	10:17	12:39:35.1	+16:35:12	300	109	3.0	#2 SN Observat	2	
0154.COMP	10	10:47	12:39:35.1	+16:35:12	300	109	3.0	#2 SN Observat	2	
0155.sn2011jm	1800	10:48	12:54:51.1	+02:39:15	300	110	3.0	#2 SN Observat	2	
0156.COMP	10	11:19	12:54:51.1	+02:39:15	300	110	3.0	#2 SN Observat	2	
0157.sn2011iy	1200	11:23	13:08:58.4	-15:31:04	300	20	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0158.COMP	10	11:44	13:08:58.4	-15:31:04	300	20	3.0	#2 SN Observat	2	
0159.psn1401	1800	11:49	14:01:41.7	+33:49:34	300	9	3.0	#2 SN Observat	2	
0160.COMP	10	12:19	14:01:41.7	+33:49:34	300	9	3.0	#2 SN Observat	2	
0161.sn2011fe	1800	12:25	14:03:05.8	+54:16:25	300	58	3.0	#2 SN Observat	2	
0162.COMP	10	12:56	14:03:05.8	+54:16:25	300	58	3.0	#2 SN Observat	2	
0163.RWHya	2	12:59	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0164.RWHya	10	12:59	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0165.RWHya	20	12:59	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0166.COMP	10	13:00	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0167.sn2012P	1200	13:05	14:59:59.0	+01:53:25	300	-9	3.0	#2 SN Observat	2	
0168.COMP	10	13:25	14:59:59.0	+01:53:25	300	-9	3.0	#2 SN Observat	2	
0169-0178.BIAS	0	13:31	14:59:59.0	+01:53:25	300	90	3.0	#2 SN Observat	4	
0179-0188.FLAT	4	13:33	14:59:59.0	+01:53:25	300	90	3.0	#2 SN Observat	4	
0189-0198.BIAS	0	13:35	14:59:59.0	+01:53:25	300	90	3.0	#2 SN Observat	2	
0199-0213.FLAT	7	13:40	14:59:59.0	+01:53:25	300	90	3.0	#2 SN Observat	2	
0214-0218.DARK	900	14:53	14:59:59.0	+01:53:25	300	90	3.0	#2 SN Observat	2	
0219-0223.DARK	900	16:10	14:59:59.0	+01:53:25	300	90	3.0	#2 SN Observat	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>
0001-0005.DARK	900	01:37	00:00:00.0	+00:00:00	300	89	3.0	#2 SN Observat	4	
0006-0015.BIAS	0	02:30	00:00:00.0	+00:00:00	300	89	3.0	#2 SN Observat	4	
0016-0035.FLAT	7	02:49	03:41:52.2	+31:28:11	300	89	3.0	#2 SN Observat	2	
0036-0045.BIAS	0	02:53	03:41:52.2	+31:28:11	300	89	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0011.BIAS	0	00:29	01:30:00.0	+32:00:00	300	89	3.0	#57 Velocity S	2	
0012.FLAT	7	00:30	01:30:00.0	+32:00:00	300	89	3.0	#57 Velocity S	2	
0013.FLAT	7	00:30	01:30:00.0	+32:00:00	300	89	3.0	#57 Velocity S	2	300-line, 3-sec
0014-0018.FLAT	7	00:32	01:30:00.0	+32:00:00	300	89	3.0	#57 Velocity S	2	
0019.FLAT	7	00:32	01:30:00.0	+32:00:00	300	89	3.0	#57 Velocity S	2	poor seeing all night
0020-0026.FLAT	7	00:35	01:30:00.0	+32:00:00	300	89	3.0	#57 Velocity S	2	
0027.COMP	10	00:39	01:30:00.0	+32:00:00	300	89	3.0	#57 Velocity S	2	
0028.ZAnd	5	01:39	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0029.ZAnd	15	01:40	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0030.ZAnd	30	01:41	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0031.COMP	10	01:42	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0032.RAqr	5	01:45	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0033.RAqr	1	01:45	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0034.RAqr	10	01:46	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0035.COMP	10	01:46	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0036.HD19445	15	01:49	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0037.HD19445	15	01:50	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0038.HD19445	15	01:50	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0039.COMP	10	01:51	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0040.AXPer	15	01:53	01:36:23.0	+54:15:03	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
0041.AXPer	60	01:53	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0042.AXPer	90	01:55	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0043.COMP	10	01:58	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0044.EGAnd	5	02:00	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0045.EGAnd	10	02:01	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0046.EGAnd	20	02:01	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0047.COMP	10	02:02	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0048.PSNJ005008m0511	1500	02:06	00:50:08.9	-05:11:18	300	89	3.0	#2 SN Observat	2	
0049.COMP	10	02:31	00:50:08.9	-05:11:18	300	89	3.0	#2 SN Observat	2	
0050.sn2011iv	1800	02:33	03:38:51.3	-35:35:32	300	89	3.0	#2 SN Observat	2	
0051.COMP	10	03:04	03:38:51.3	-35:35:32	300	89	3.0	#2 SN Observat	2	
0052.sn2012E	1800	03:07	02:33:22.8	+09:35:06	300	89	3.0	#2 SN Observat	2	
0053.COMP	10	03:38	02:33:22.8	+09:35:06	300	89	3.0	#2 SN Observat	2	
0054.kengal19	1200	03:47	08:25:05.7	+47:09:16	300	89	3.0	#178 Very Low	2	
0055.COMP	10	04:07	08:25:05.7	+47:09:16	300	89	3.0	#178 Very Low	2	
0056.kengal21	600	04:09	08:28:02.2	+47:17:03	300	89	3.0	#178 Very Low	2	
0057.COMP	10	04:20	08:28:02.2	+47:17:03	300	89	3.0	#178 Very Low	2	
0058.kengal22	1200	04:22	08:26:19.2	+44:47:00	300	90	3.0	#178 Very Low	2	
0059.COMP	10	04:42	08:26:19.2	+44:47:00	300	-237	3.0	#178 Very Low	2	
0060.RXJ063213p2553622	240	04:47	06:32:13.1	+25:36:23	300	89	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0061.COMP	10	04:51	06:32:13.1	+25:36:23	300	89	3.0	#2 SN Observat	2	
0062.FLAT	9	04:58	06:35:00.0	+32:00:00	300	89	2.0	#208 Binary Ma	2	300-line, 2-sec, 655
0063-0076.FLAT	9	05:03	06:35:00.0	+32:00:00	300	89	2.0	#208 Binary Ma	2	
0077.COMP	10	05:05	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0078.SDSSJ0918+2325	1800	05:07	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0079.COMP	10	05:38	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0080.SDSSJ0918+2325	1800	05:39	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0081.COMP	10	06:09	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0082.SDSSJ0918+2325	1800	06:10	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0083.COMP	10	06:40	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0084.SDSSJ0918+2325	1800	06:41	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0085.COMP	10	07:11	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0086.SDSSJ0918+2325	1800	07:12	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0087.COMP	10	07:43	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0088.SDSSJ0918+2325	1800	07:45	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0089.COMP	10	08:15	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0090.HD84937	90	08:19	09:48:56.1	+13:44:39	300	89	2.0	#208 Binary Ma	2	
0091.HD84937	60	08:21	09:48:56.1	+13:44:39	300	89	2.0	#208 Binary Ma	2	
0092.HD84937	60	08:23	09:48:56.1	+13:44:39	300	89	2.0	#208 Binary Ma	2	
0093.COMP	10	08:24	09:48:56.1	+13:44:39	300	89	2.0	#208 Binary Ma	2	

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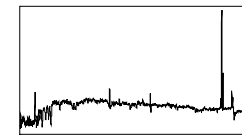
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0094.SDSSJ1136+5738	1800	08:28	11:36:40.9	+57:38:40	300	89	2.0	#208 Binary Ma	2	
0095.COMP	10	08:58	11:36:40.9	+57:38:40	300	89	2.0	#208 Binary Ma	2	
0096.SDSSJ1136+5738	1800	08:59	11:36:40.9	+57:38:40	300	89	2.0	#208 Binary Ma	2	
0097.COMP	10	09:29	11:36:40.9	+57:38:40	300	89	2.0	#208 Binary Ma	2	
0098.SDSSJ1136+5738	1800	09:30	11:36:40.9	+57:38:40	300	89	2.0	#208 Binary Ma	2	
0099.COMP	10	10:00	11:36:40.9	+57:38:40	300	89	2.0	#208 Binary Ma	2	
0100.SDSSJ1136+5738	1800	10:01	11:36:40.9	+57:38:40	300	89	2.0	#208 Binary Ma	2	
0101.COMP	10	10:31	11:36:40.9	+57:38:40	300	89	2.0	#208 Binary Ma	2	
0102.HD84937	30	10:35	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	300-line, 3-sec
0103.HD84937	30	10:36	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0104.COMP	10	10:37	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0105.Feige34	210	10:38	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0106.COMP	10	10:42	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0107.sn2012C	1800	10:46	09:37:30.5	+32:50:32	300	89	3.0	#2 SN Observat	2	no
0108.COMP	10	11:16	09:37:30.5	+32:50:32	300	89	3.0	#2 SN Observat	2	
0109.sn2012G	1800	11:20	12:39:35.1	+16:35:12	300	89	3.0	#2 SN Observat	2	
0110.COMP	10	11:51	12:39:35.1	+16:35:12	300	89	3.0	#2 SN Observat	2	
0111.sn2011iy	1800	11:53	13:08:58.4	-15:31:04	300	89	3.0	#2 SN Observat	2	
0112.COMP	10	12:23	13:08:58.4	-15:31:04	300	89	3.0	#2 SN Observat	2	
0115.sn2011jm	1800	12:32	12:54:51.1	+02:39:15	300	88	3.0	#2 SN Observat	2	

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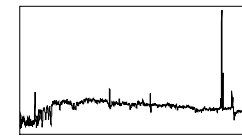
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0116.COMP	10	13:02	12:54:51.1	+02:39:15	300	88	3.0	#2 SN Observat	2	
0117-0126.BIAS	0	13:05	12:54:51.1	+02:39:15	300	88	3.0	#2 SN Observat	2	
0127-0141.FLAT	7	13:11	12:54:51.1	+02:39:15	300	88	3.0	#2 SN Observat	2	
0142-0146.DARK	1800	15:16	12:54:51.1	+02:39:15	300	88	3.0	#2 SN Observat	2	

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0001-0005.DARK	1800	00:07	12:54:51.1	+02:39:15	300	88	3.0	#2 SN Observat	2	
0006-0015.BIAS	0	01:06	12:54:51.1	+02:39:15	300	88	3.0	#2 SN Observat	2	
0016.FLAT	7	01:07	12:54:51.1	+02:39:15	300	88	3.0	#2 SN Observat	2	300-line, 3-sec
0017-0030.FLAT	7	01:11	12:54:51.1	+02:39:15	300	88	3.0	#2 SN Observat	2	
0031.COMP	10	01:33	00:10:00.0	+25:00:00	300	88	3.0	#2 SN Observat	2	
0032.HD19445	12	01:43	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0033.HD19445	12	01:43	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0034.HD19445	12	01:44	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0035.COMP	10	01:44	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0036.sn2012E	1800	01:51	02:33:22.8	+09:35:06	300	88	3.0	#2 SN Observat	2	
0037.COMP	10	02:21	02:33:22.8	+09:35:06	300	88	3.0	#2 SN Observat	2	
0038.HZ14	420	02:23	04:41:01.7	+10:59:40	300	88	3.0	#56 Spectropho	2	
0039.COMP	10	02:31	04:41:01.7	+10:59:40	300	89	3.0	#56 Spectropho	2	
0040.sn2011iv	1800	02:34	03:38:51.3	-35:35:32	300	89	3.0	#2 SN Observat	2	
0041.COMP	10	03:05	03:38:51.3	-35:35:32	300	88	3.0	#2 SN Observat	2	
0047.lspm2604	900	03:19	01:53:30.7	+01:47:56	600	88	2.0	#204 M-Dwarf R	2	600-line, 2-sec, 752 red
0048.COMP	10	03:34	01:53:30.7	+01:47:56	600	87	2.0	#204 M-Dwarf R	2	
0049.LSPMJ0236+0652	240	03:36	02:36:15.3	+06:52:18	600	87	2.0	#204 M-Dwarf R	2	
0050.COMP	10	03:40	02:36:15.3	+06:52:18	600	87	2.0	#204 M-Dwarf R	2	
0051.lspm1756	360	03:42	02:20:46.3	+02:58:38	600	87	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
0052.COMP	10	03:48	02:20:46.3	+02:58:38	600	87	2.0	#204 M-Dwarf R	2	
0053.lspm2658	480	03:49	02:35:14.9	+02:47:54	600	87	2.0	#204 M-Dwarf R	2	
0054.COMP	10	03:58	02:35:14.9	+02:47:54	600	87	2.0	#204 M-Dwarf R	2	
0055.lspm187	720	03:58	02:37:29.7	+00:21:27	600	87	2.0	#204 M-Dwarf R	2	
0056.COMP	10	04:11	02:37:29.7	+00:21:27	600	88	2.0	#204 M-Dwarf R	2	
0057.lspm258.south	900	04:13	03:25:42.2	+05:51:52	600	88	2.0	#204 M-Dwarf R	2	close pair
0058.lspm258.north	900	04:29	03:25:42.2	+05:51:52	600	87	2.0	#204 M-Dwarf R	2	
0059.COMP	10	04:44	03:25:42.2	+05:51:52	600	88	2.0	#204 M-Dwarf R	2	
0060.LSPMJ0255+2652W	720	04:48	02:55:35.8	+26:52:21	600	95	2.0	#204 M-Dwarf R	2	
0061.COMP	10	05:01	02:55:35.8	+26:52:21	600	94	2.0	#204 M-Dwarf R	2	
0062.HD19445	15	05:02	03:08:25.6	+26:19:51	600	94	2.0	#204 M-Dwarf R	2	
0063.HD19445	15	05:02	03:08:25.6	+26:19:51	600	94	2.0	#204 M-Dwarf R	2	
0064.HD19445	15	05:03	03:08:25.6	+26:19:51	600	94	2.0	#204 M-Dwarf R	2	
0065.COMP	10	05:04	03:08:25.6	+26:19:51	600	94	2.0	#204 M-Dwarf R	2	
0066.LSPMJ0455+0440W	720	05:06	04:55:54.5	+04:40:16	600	45	2.0	#204 M-Dwarf R	2	
0067.COMP	10	05:18	04:55:54.5	+04:40:16	600	46	2.0	#204 M-Dwarf R	2	
0068.LSPMJ0617+0507	480	05:20	06:17:10.6	+05:07:02	600	89	2.0	#204 M-Dwarf R	2	
0069.COMP	10	05:29	06:17:10.6	+05:07:02	600	-1182162	2.0	#204 M-Dwarf R	2	
0070.Hiltner600	120	05:30	06:45:13.4	+02:08:15	600	89	2.0	#204 M-Dwarf R	2	
0071.Hiltner600	120	05:32	06:45:13.4	+02:08:15	600	89	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
0072.COMP	10	05:35	06:45:13.4	+02:08:15	600	89	2.0	#204 M-Dwarf R	2	
0073.PM_I05582-0438	900	05:36	05:58:17.2	-04:38:01	600	89	2.0	#204 M-Dwarf R	2	
0074.COMP	10	05:51	05:58:17.2	-04:38:01	600	89	2.0	#204 M-Dwarf R	2	
0075.LSPMJ0852+2818	240	05:56	08:52:40.8	+28:18:59	600	89	2.0	#204 M-Dwarf R	2	
0076.COMP	10	06:01	08:52:40.8	+28:18:59	600	89	2.0	#204 M-Dwarf R	2	
0077.lspm645	1200	06:02	09:20:21.9	+26:43:43	600	90	2.0	#204 M-Dwarf R	2	
0078.COMP	10	06:23	09:20:21.9	+26:43:43	600	90	2.0	#204 M-Dwarf R	2	
0079-0088.FLAT	10	06:27	08:10:00.0	+32:00:00	600	90	2.0	#204 M-Dwarf R	2	
0089.test	10	06:30	08:10:00.0	+32:00:00	300	90	3.0	#204 M-Dwarf R	2	
0090.test	10	06:31	08:10:00.0	+32:00:00	300	90	3.0	#2 SN Observat	2	
0091.sn2012C	1800	06:33	09:37:30.5	+32:50:32	300	90	3.0	#2 SN Observat	2	sn at row 86
0092.COMP	10	07:03	09:37:30.5	+32:50:32	300	90	3.0	#2 SN Observat	2	
0093.sn2012C	1800	07:04	09:37:30.5	+32:50:32	300	90	3.0	#2 SN Observat	2	
0094.COMP	10	07:34	09:37:30.5	+32:50:32	300	90	3.0	#2 SN Observat	2	
0095.sn2012C	1800	07:35	09:37:30.5	+32:50:32	300	90	3.0	#2 SN Observat	2	
0096.COMP	10	08:18	09:37:30.5	+32:50:32	300	89	3.0	#2 SN Observat	2	
0097.sn2010j1	1800	08:20	09:42:53.3	+09:29:42	300	89	3.0	#2 SN Observat	2	
0098.COMP	10	08:51	09:42:53.3	+09:29:42	300	89	3.0	#2 SN Observat	2	
0099.HD84937	20	08:52	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0100.HD84937	20	08:53	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	

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0101.COMP	10	08:53	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0102.Feige34	180	08:55	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0103.COMP	10	08:58	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0104.sn2012G	1800	09:01	12:39:35.1	+16:35:12	300	90	3.0	#2 SN Observat	2	
0105.COMP	10	09:31	12:39:35.1	+16:35:12	300	89	3.0	#2 SN Observat	2	
0107-0116.FLAT	6	09:35	12:39:35.1	+16:35:12	300	89	3.0	#2 SN Observat	2	
0117.test	10	09:38	11:20:00.0	+32:00:00	300	89	2.0	#2 SN Observat	2	
0118.HD84937	30	09:40	09:48:56.1	+13:44:39	300	89	2.0	#208 Binary Ma	2	300-line, 2-sec, red
0119.HD84937	30	09:42	09:48:56.1	+13:44:39	300	89	2.0	#208 Binary Ma	2	
0120.COMP	10	09:42	09:48:56.1	+13:44:39	300	89	2.0	#208 Binary Ma	2	
0121.SDSSJ0918+2325	1800	09:44	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0122.COMP	10	10:14	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0123.SDSSJ0918+2325	1800	10:15	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0124.COMP	10	10:45	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0125.SDSSJ0918+2325	1800	10:46	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0126.COMP	10	11:17	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0127-0136.FLAT	9	11:20	09:18:58.2	+23:25:55	300	89	2.0	#208 Binary Ma	2	
0137.sn2011iy	1200	11:25	13:08:58.4	-15:31:04	300	89	3.0	#2 SN Observat	2	300-line, 3-sec
0138.COMP	10	11:46	13:08:58.4	-15:31:04	300	89	3.0	#2 SN Observat	2	
0139.sn2012T	1800	11:49	14:01:41.7	+33:49:34	300	45	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0140.COMP	10	12:19	14:01:41.7	+33:49:34	300	45	3.0	#2 SN Observat	2	
0141.sn2012P	1500	12:21	14:59:59.0	+01:53:25	300	45	3.0	#2 SN Observat	2	
0142.COMP	10	12:47	14:59:59.0	+01:53:25	300	46	3.0	#2 SN Observat	2	
0143.TCrB	30	12:52	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0144.TCrB	60	12:53	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0145.TCrB	90	12:55	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0146.COMP	10	12:57	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0147.AGDra	5	12:58	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0148.AGDra	15	12:59	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0149.AGDra	60	13:00	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0150.COMP	10	13:01	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0151-0160.BIAS	0	13:04	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0161-0173.FLAT	7	13:09	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0174.FLAT	7	13:09	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	end of FAST run
0175.FLAT	7	13:10	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	