

UT Date 2014-01-03 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	20:54	22:37:04.1	+34:24:56	300	88	3.0	0 Calibration	2	
0002.BIAS	0	20:54	22:37:04.1	+34:24:56	300	88	3.0	0 Calibration	2	start of FAST run
0003-0005.BIAS	0	20:55	22:37:04.1	+34:24:56	300	88	3.0	0 Calibration	2	
0006-0010.DARK	900	22:01	22:37:04.1	+34:24:56	300	88	3.0	0 Calibration	2	
0011-0015.DARK	900	23:17	22:37:04.1	+34:24:56	300	88	3.0	0 Calibration	4	
0016-0025.BIAS	0	00:29	22:37:04.1	+34:24:56	300	88	3.0	0 Calibration	2	
0026-0040.FLAT	7	00:34	22:37:04.1	+34:24:56	300	88	3.0	0 Calibration	2	
0041-0045.sky	5	00:48	00:10:00.0	+32:00:00	300	88	3.0	#57 Velocity S	2	
0046.COMP	10	00:48	00:10:00.0	+32:00:00	300	88	3.0	0 Calibration	2	
0047.COMP	10	01:14	00:10:00.0	+32:00:00	300	88	3.0	0 Calibration	2	
0048.ZAnd	10	01:17	23:33:40.0	+48:49:06	300	88	3.0	#12 Symbiotic	2	
0049.ZAnd	30	01:18	23:33:40.0	+48:49:06	300	88	3.0	#12 Symbiotic	2	
0050.ZAnd	4	01:19	23:33:40.0	+48:49:06	300	88	3.0	#12 Symbiotic	2	
0051.COMP	5	01:19	23:33:40.0	+48:49:06	300	88	3.0	0 Calibration	2	
0052.RAqr	4	01:22	23:43:49.0	-15:17:05	300	88	3.0	#12 Symbiotic	2	
0053.RAqr	30	01:22	23:43:49.0	-15:17:05	300	88	3.0	#12 Symbiotic	2	
0054.RAqr	10	01:23	23:43:49.0	-15:17:05	300	88	3.0	#12 Symbiotic	2	
0055.COMP	10	01:23	23:43:49.0	-15:17:05	300	88	3.0	0 Calibration	2	
0056.EGAnd	2	01:26	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0057.EGAnd	10	01:26	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	

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0058.EGAnd	30	01:27	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0059.COMP	10	01:28	00:44:37.0	+40:40:47	300	88	3.0	0 Calibration	2	
0060.AXPer	10	01:29	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0061.AXPer	30	01:30	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0062.AXPer	90	01:31	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0063.COMP	10	01:33	01:36:23.0	+54:15:03	300	88	3.0	0 Calibration	2	
0064.158m213	360	01:35	00:43:14.4	+41:07:21	300	88	3.0	#57 Velocity S	2	
0065.COMP	10	01:41	00:43:14.4	+41:07:21	300	88	3.0	0 Calibration	2	
0066.225m280	360	01:43	00:44:29.8	+41:21:25	300	88	3.0	#57 Velocity S	2	
0067.COMP	10	01:49	00:44:29.8	+41:21:25	300	88	3.0	0 Calibration	2	
0068.HD217014	1	01:55	22:57:23.0	+20:46:07	300	88	3.0	#173 Small Sol	2	
0069.HD217014	1	01:55	22:57:23.0	+20:46:07	300	88	3.0	#173 Small Sol	2	
0070.HD217014	1	01:55	22:57:23.0	+20:46:07	300	88	3.0	#173 Small Sol	2	
0071.COMP	10	01:56	22:57:23.0	+20:46:07	300	88	3.0	0 Calibration	2	
0072.Comet.154P.Brewington	900	01:58	23:52:00.5	+19:12:24	300	88	3.0	#173 Small Sol	2	
0073.COMP	10	02:13	23:52:00.5	+19:12:24	300	88	3.0	0 Calibration	2	
0074.Comet.154P.Brewington	900	02:14	23:52:00.5	+19:12:24	300	88	3.0	#173 Small Sol	2	
0075.COMP	10	02:29	23:52:00.5	+19:12:24	300	88	3.0	0 Calibration	2	
0076.Comet.154P.Brewington	900	02:30	23:52:00.5	+19:12:24	300	88	3.0	#173 Small Sol	2	
0077.COMP	10	02:45	23:52:00.5	+19:12:24	300	88	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.Comet.154P.offsetsky	900	02:46	23:52:00.5	+19:12:24	300	88	3.0	#173 Small Sol	2	offset sky, some thin clouds moving in
0079.COMP	10	03:01	23:52:00.5	+19:12:24	300	88	3.0	0 Calibration	2	
0080.HD19445	10	03:04	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0081.HD19445	10	03:05	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0082.HD19445	10	03:05	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0083.COMP	10	03:06	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0084.snptf13ebh	1800	03:08	02:22:00.0	+33:16:14	300	88	3.0	#2 SN Observat	2	
0085.COMP	10	03:39	02:22:00.0	+33:16:14	300	85	3.0	0 Calibration	2	
0086.sn2013gy	1800	03:53	03:42:16.9	-04:43:19	300	85	3.0	#2 SN Observat	2	
0087.COMP	10	04:23	03:42:16.9	-04:43:19	300	88	3.0	0 Calibration	2	
0088.sn13dsm	1800	04:26	03:33:12.8	-26:12:24	300	88	3.0	#2 SN Observat	2	
0089.COMP	10	04:57	03:33:12.8	-26:12:24	300	88	3.0	0 Calibration	2	
0090.snJ0305	1800	04:59	03:06:00.0	+04:32:38	300	88	3.0	#2 SN Observat	2	
0091.COMP	10	05:30	03:06:00.0	+04:32:38	300	88	3.0	0 Calibration	2	
0092.A02276.1	1800	05:32	03:57:10.6	-00:41:26	300	80	3.0	#216 Local Com	2	
0093.COMP	10	06:03	03:57:10.6	-00:41:26	300	80	3.0	0 Calibration	2	
0094.Hyades142	20	06:05	04:46:30.0	+15:28:21	300	90	3.0	#173 Small Sol	2	
0095.Hyades142	20	06:06	04:46:30.0	+15:28:21	300	90	3.0	#173 Small Sol	2	
0096.Hyades142	20	06:06	04:46:30.0	+15:28:21	300	90	3.0	#173 Small Sol	2	
0097.COMP	10	06:07	04:46:30.0	+15:28:21	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
0098.Asteroid.2010.XZ67	480	06:10	06:27:20.0	+17:07:25	300	90	3.0	#173 Small Sol	2	
0099.COMP	10	06:19	06:27:20.0	+17:07:25	300	90	3.0	0 Calibration	2	
0100.Asteroid.2010.XZ67	480	06:19	06:27:20.0	+17:07:25	300	90	3.0	#173 Small Sol	2	
0101.COMP	10	06:28	06:27:20.0	+17:07:25	300	90	3.0	0 Calibration	2	
0102.Asteroid.2010.XZ67	480	06:28	06:27:20.0	+17:07:25	300	90	3.0	#173 Small Sol	2	
0103.COMP	10	06:37	06:27:20.0	+17:07:25	300	90	3.0	0 Calibration	2	
0104.Asteroid.142.Polana	300	06:38	07:03:52.3	+23:06:10	300	90	3.0	#173 Small Sol	2	
0105.Asteroid.142.Polana	300	06:44	07:03:52.3	+23:06:10	300	90	3.0	#173 Small Sol	2	
0106.Asteroid.142.Polana	300	06:49	07:03:52.3	+23:06:10	300	90	3.0	#173 Small Sol	2	
0107.COMP	10	06:54	07:03:52.3	+23:06:10	300	90	3.0	0 Calibration	2	
0108.Hiltner600	100	06:56	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0109.COMP	10	06:58	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0110.SA98.978	75	07:00	06:51:34.0	-00:11:33	300	90	3.0	#173 Small Sol	2	
0111.SA98.978	75	07:02	06:51:34.0	-00:11:33	300	90	3.0	#173 Small Sol	2	
0112.SA98.978	75	07:03	06:51:34.0	-00:11:33	300	90	3.0	#173 Small Sol	2	
0113.COMP	10	07:05	06:51:34.0	-00:11:33	300	90	3.0	0 Calibration	2	
0114.RU149B	300	07:06	07:24:17.6	-00:32:58	300	90	3.0	#173 Small Sol	2	
0115.COMP	10	07:12	07:24:17.6	-00:32:58	300	90	3.0	0 Calibration	2	
0116-0119.BIAS	0	07:16	07:15:40.3	+27:30:56	600	90	1.5	0 Calibration	4	
0120.BIAS	0	07:16	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	

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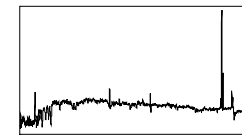
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0121.G191B2B	300	07:17	05:05:30.6	+52:49:52	600	90	1.5	#178 Low Mass	4	
0122.COMP	10	07:22	05:05:30.6	+52:49:52	600	86	1.5	0 Calibration	4	
0123.lamost100	600	07:24	04:01:08.6	+46:40:27	600	86	1.5	#178 Low Mass	4	
0124.COMP	10	07:34	04:01:08.6	+46:40:27	600	86	1.5	0 Calibration	4	
0125.lamost100	600	07:35	04:01:08.6	+46:40:27	600	86	1.5	#178 Low Mass	4	
0126.COMP	10	07:45	04:01:08.6	+46:40:27	600	86	1.5	0 Calibration	4	
0127.lamost100	600	07:46	04:01:08.6	+46:40:27	600	86	1.5	#178 Low Mass	4	
0128.COMP	10	07:56	04:01:08.6	+46:40:27	600	86	1.5	0 Calibration	4	
0129.lamost100	600	07:57	04:01:08.6	+46:40:27	600	86	1.5	#178 Low Mass	4	
0130.COMP	10	08:07	04:01:08.6	+46:40:27	600	86	1.5	0 Calibration	4	
0131.lamost100	600	08:08	04:01:08.6	+46:40:27	600	86	1.5	#178 Low Mass	4	
0132.COMP	10	08:18	04:01:08.6	+46:40:27	600	86	1.5	0 Calibration	4	
0133.lamost100	600	08:19	04:01:08.6	+46:40:27	600	86	1.5	#178 Low Mass	4	
0134.COMP	10	08:29	04:01:08.6	+46:40:27	600	90	1.5	0 Calibration	4	
0135.lamost071	1200	08:31	06:00:56.8	+28:37:15	600	90	1.5	#178 Low Mass	4	
0136.COMP	10	08:52	06:00:56.8	+28:37:15	600	90	1.5	0 Calibration	4	
0137.lamost071	1200	08:53	06:00:56.8	+28:37:15	600	90	1.5	#178 Low Mass	4	
0138.COMP	10	09:14	06:00:56.8	+28:37:15	600	90	1.5	0 Calibration	4	
0139.lamost071	1200	09:14	06:00:56.8	+28:37:15	600	90	1.5	#178 Low Mass	4	
0140.COMP	10	09:35	06:00:56.8	+28:37:15	600	90	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0141.lmwd526	1200	09:37	07:26:59.5	+33:17:09	600	90	1.5	#178 Low Mass	4	
0142.COMP	10	09:58	07:26:59.5	+33:17:09	600	90	1.5	0 Calibration	4	
0143.lmwd526	1200	09:58	07:26:59.5	+33:17:09	600	90	1.5	#178 Low Mass	4	
0144.COMP	10	10:19	07:26:59.5	+33:17:09	600	90	1.5	0 Calibration	4	
0145.lmwd526	1200	10:19	07:26:59.5	+33:17:09	600	90	1.5	#178 Low Mass	4	
0146.COMP	10	10:41	07:26:59.5	+33:17:09	600	89	1.5	0 Calibration	4	
0147.kinman3	1500	10:43	09:08:53.5	-02:12:43	600	89	1.5	#178 Low Mass	4	
0148.COMP	10	11:08	09:08:53.5	-02:12:43	600	90	1.5	0 Calibration	4	
0149.Feige34	120	11:10	10:39:36.7	+43:06:09	600	90	1.5	#178 Low Mass	4	
0150.COMP	10	11:12	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0151-0160.FLAT	12	11:18	11:15:00.0	+32:00:00	600	90	1.5	0 Calibration	4	
0161.test	10	11:21	11:15:00.0	+32:00:00	300	90	3.0	#178 Low Mass	2	
0162.test	10	11:22	11:15:00.0	+32:00:00	300	90	3.0	#178 Low Mass	2	
0163.SA102m370	180	11:24	10:56:33.8	-01:10:41	300	90	3.0	#173 Small Sol	2	
0164.COMP	10	11:27	10:56:33.8	-01:10:41	300	90	3.0	0 Calibration	2	
0165.Asteroid.Erigone.163	240	11:29	10:46:29.5	+04:31:13	300	90	3.0	#173 Small Sol	2	
0166.Asteroid.Erigone.163	240	11:33	10:46:29.5	+04:31:13	300	90	3.0	#173 Small Sol	2	
0167.Asteroid.Erigone.163	240	11:38	10:46:29.5	+04:31:13	300	90	3.0	#173 Small Sol	2	
0168.COMP	10	11:42	10:46:29.5	+04:31:13	300	90	3.0	0 Calibration	2	
0169.HD84937	30	11:44	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	

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0170.HD84937	30	11:45	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0171.HD84937	30	11:46	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0172.COMP	10	11:47	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0173.Feige34	180	11:48	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0174.COMP	10	11:51	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0175.sn2013gs	1800	11:53	09:31:08.9	+46:23:05	300	90	3.0	#2 SN Observat	2	
0176.COMP	10	12:24	09:31:08.9	+46:23:05	300	89	3.0	0 Calibration	2	
0177.sn2013ge	1800	12:25	10:34:48.5	+21:39:42	300	89	3.0	#2 SN Observat	2	
0178.COMP	10	12:56	10:34:48.5	+21:39:42	300	90	3.0	0 Calibration	2	
0179.psn130417	1321	12:58	13:04:17.7	-10:20:01	300	90	3.0	#2 SN Observat	2	
0180.COMP	10	13:21	13:04:17.7	-10:20:01	300	90	3.0	0 Calibration	2	
0181-0190.BIAS	0	13:24	13:04:17.7	-10:20:01	300	90	3.0	0 Calibration	2	
0191-0205.FLAT	7	13:30	13:04:17.7	-10:20:01	300	90	3.0	0 Calibration	2	
0206-0215.BIAS	0	13:32	13:04:17.7	-10:20:01	300	90	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	01:22	00:49:54.1	+31:25:49	300	90	3.0	0 Calibration	4	
0011-0030.FLAT	7	01:29	00:49:54.1	+31:25:49	300	90	3.0	0 Calibration	2	
0031-0040.BIAS	0	01:39	00:49:54.1	+31:25:49	300	90	3.0	0 Calibration	2	
0041.Kenfill018	1800	02:01	03:37:51.5	+09:20:00	300	61	3.0	#210 Brightest	2	
0042.COMP	10	02:31	03:37:51.5	+09:20:00	300	60	3.0	0 Calibration	2	
0043.Kenfill019	1800	02:34	03:37:37.2	+10:12:54	300	90	3.0	#210 Brightest	2	
0044.COMP	10	03:05	03:37:37.2	+10:12:54	300	90	3.0	0 Calibration	2	
0045.sn2013hk	1800	03:11	03:02:10.9	+15:55:39	300	110	3.0	#2 SN Observat	2	
0046.COMP	10	03:42	03:02:10.9	+15:55:39	300	108	3.0	0 Calibration	2	
0047.sn2013gv	1800	03:44	03:09:57.3	+19:12:49	300	91	3.0	#2 SN Observat	2	
0048.COMP	10	04:15	03:09:57.3	+19:12:49	300	90	3.0	0 Calibration	2	
0049.M31	60	04:17	00:42:44.3	+41:16:09	300	90	3.0	#57 Velocity S	2	
0050.COMP	10	04:19	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0051.sn13dsm	1800	04:22	03:33:12.8	-26:12:24	300	90	3.0	#2 SN Observat	2	
0052.COMP	10	04:52	03:33:12.8	-26:12:24	300	91	3.0	0 Calibration	2	
0053.snJ0305	1800	04:56	03:06:00.0	+04:32:38	300	91	3.0	#2 SN Observat	2	
0054.COMP	10	05:27	03:06:00.0	+04:32:38	300	91	3.0	0 Calibration	2	
0055.HD19445	180	05:29	03:08:25.6	+26:19:51	300	91	3.0	#56 Spectropho	2	saturated
0056.COMP	10	05:32	03:08:25.6	+26:19:51	300	91	3.0	0 Calibration	2	
0057.HD19445	10	05:33	03:08:25.6	+26:19:51	300	91	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.COMP	10	05:34	03:08:25.6	+26:19:51	300	91	3.0	0 Calibration	2	
0059.G191B2B	300	05:35	05:05:30.6	+52:49:52	300	91	3.0	#56 Spectropho	2	
0060.COMP	10	05:41	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0061.HD19445	10	05:47	03:08:25.6	+26:19:51	600	89	1.5	#178 Low Mass	4	
0062.COMP	10	05:47	03:08:25.6	+26:19:51	600	89	1.5	0 Calibration	4	
0063.lamost043	420	05:50	03:02:54.3	+54:12:40	600	89	1.5	#178 Low Mass	4	
0064.COMP	10	06:01	03:02:54.3	+54:12:40	600	90	1.5	0 Calibration	4	
0065.lamost043	420	06:02	03:02:54.3	+54:12:40	600	89	1.5	#178 Low Mass	4	
0066.COMP	10	06:09	03:02:54.3	+54:12:40	600	90	1.5	0 Calibration	4	
0067.lamost043	420	06:10	03:02:54.3	+54:12:40	600	90	1.5	#178 Low Mass	4	
0068.COMP	10	06:18	03:02:54.3	+54:12:40	600	91	1.5	0 Calibration	4	
0069.lamost043	420	06:18	03:02:54.3	+54:12:40	600	91	1.5	#178 Low Mass	4	
0070.COMP	10	06:26	03:02:54.3	+54:12:40	600	91	1.5	0 Calibration	4	
0071.lamost043	420	06:27	03:02:54.3	+54:12:40	600	91	1.5	#178 Low Mass	4	
0072.COMP	10	06:35	03:02:54.3	+54:12:40	600	91	1.5	0 Calibration	4	
0073.lamost043	420	06:35	03:02:54.3	+54:12:40	600	91	1.5	#178 Low Mass	4	
0074.COMP	10	06:43	03:02:54.3	+54:12:40	600	91	1.5	0 Calibration	4	
0075.lamost043	420	06:43	03:02:54.3	+54:12:40	600	91	1.5	#178 Low Mass	4	
0076.COMP	10	06:51	03:02:54.3	+54:12:40	600	91	1.5	0 Calibration	4	
0077.lamost081	300	06:54	05:56:12.4	+30:26:30	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
0078.COMP	10	06:59	05:56:12.4	+30:26:30	600	90	1.5	0 Calibration	4	
0079.lamost081	300	07:00	05:56:12.4	+30:26:30	600	90	1.5	#178 Low Mass	4	
0080.COMP	10	07:06	05:56:12.4	+30:26:30	600	91	1.5	0 Calibration	4	
0081.lamost081	300	07:07	05:56:12.4	+30:26:30	600	91	1.5	#178 Low Mass	4	
0082.COMP	10	07:12	05:56:12.4	+30:26:30	600	91	1.5	0 Calibration	4	
0083.lamost081	300	07:13	05:56:12.4	+30:26:30	600	91	1.5	#178 Low Mass	4	
0084.COMP	10	07:19	05:56:12.4	+30:26:30	600	91	1.5	0 Calibration	4	
0085.lamost081	300	07:19	05:56:12.4	+30:26:30	600	91	1.5	#178 Low Mass	4	
0086.COMP	10	07:25	05:56:12.4	+30:26:30	600	91	1.5	0 Calibration	4	
0087.lamost081	300	07:25	05:56:12.4	+30:26:30	600	91	1.5	#178 Low Mass	4	
0088.COMP	10	07:31	05:56:12.4	+30:26:30	600	91	1.5	0 Calibration	4	
0089.lamost081	300	07:31	05:56:12.4	+30:26:30	600	91	1.5	#178 Low Mass	4	
0090.COMP	10	07:37	05:56:12.4	+30:26:30	600	91	1.5	0 Calibration	4	
0091.lamost081	300	07:38	05:56:12.4	+30:26:30	600	90	1.5	#178 Low Mass	4	
0092.COMP	10	07:43	05:56:12.4	+30:26:30	600	90	1.5	0 Calibration	4	
0093.lamost081	300	07:44	05:56:12.4	+30:26:30	600	90	1.5	#178 Low Mass	4	
0094.COMP	10	07:50	05:56:12.4	+30:26:30	600	90	1.5	0 Calibration	4	
0095.lamost081	300	07:50	05:56:12.4	+30:26:30	600	90	1.5	#178 Low Mass	4	
0096.COMP	10	07:56	05:56:12.4	+30:26:30	600	90	1.5	0 Calibration	4	
0097.lamost077	540	07:59	06:01:07.8	+28:40:58	600	81	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0098.COMP	10	08:08	06:01:07.8	+28:40:58	600	81	1.5	0 Calibration	4	
0099.lamost077	540	08:09	06:01:07.8	+28:40:58	600	81	1.5	#178 Low Mass	4	
0100.COMP	10	08:18	06:01:07.8	+28:40:58	600	81	1.5	0 Calibration	4	
0101.lamost077	540	08:19	06:01:07.8	+28:40:58	600	81	1.5	#178 Low Mass	4	
0102.COMP	10	08:28	06:01:07.8	+28:40:58	600	81	1.5	0 Calibration	4	
0103.lamost077	540	08:29	06:01:07.8	+28:40:58	600	81	1.5	#178 Low Mass	4	
0104.COMP	10	08:38	06:01:07.8	+28:40:58	600	81	1.5	0 Calibration	4	
0105.lamost077	540	08:39	06:01:07.8	+28:40:58	600	81	1.5	#178 Low Mass	4	
0106.COMP	10	08:48	06:01:07.8	+28:40:58	600	81	1.5	0 Calibration	4	
0107.lamost077	540	08:49	06:01:07.8	+28:40:58	600	81	1.5	#178 Low Mass	4	
0108.COMP	10	08:58	06:01:07.8	+28:40:58	600	80	1.5	0 Calibration	4	
0109.bhvs031	1080	09:02	09:44:47.5	+14:02:38	600	60	1.5	#178 Low Mass	4	
0110.COMP	10	09:20	09:44:47.5	+14:02:38	600	60	1.5	0 Calibration	4	
0111.bhvs031	1080	09:21	09:44:47.5	+14:02:38	600	60	1.5	#178 Low Mass	4	
0112.COMP	10	09:40	09:44:47.5	+14:02:38	600	60	1.5	0 Calibration	4	
0113.bhvs031	1080	09:40	09:44:47.5	+14:02:38	600	60	1.5	#178 Low Mass	4	
0114.COMP	10	09:59	09:44:47.5	+14:02:38	600	59	1.5	0 Calibration	4	thin clouds moving in?
0115.bhvs028	1800	10:21	09:36:39.0	-02:23:11	600	91	1.5	#178 Low Mass	4	
0116.COMP	10	11:50	09:36:39.0	-02:23:11	600	90	1.5	0 Calibration	4	clouds too thick, abort remaing exps
0117-0126.FLAT	12	11:56	09:36:39.0	-02:23:11	600	90	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0127.sn2013ge	1800	12:04	10:34:48.5	+21:39:42	300	90	3.0	#2 SN Observat	2	
0128.COMP	10	12:34	10:34:48.5	+21:39:42	300	90	3.0	0 Calibration	2	
0129.sn2014A	1800	12:37	13:16:59.4	-16:37:57	300	90	3.0	#2 SN Observat	2	
0130.COMP	10	13:07	13:16:59.4	-16:37:57	300	90	3.0	0 Calibration	2	
0131.TXCVn	15	13:11	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0132.TXCVn	40	13:12	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0133.COMP	10	13:13	12:44:42.0	+36:45:48	300	90	3.0	0 Calibration	2	
0134.BDp332642	180	13:15	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0135.COMP	10	13:18	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0136.BDp262606	90	13:20	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0137.COMP	10	13:22	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0138-0147.BIAS	0	13:26	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0148-0167.FLAT	7	13:33	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0168-0172.DARK	900	14:36	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	4	
0173-0176.DARK	900	15:37	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0177.DARK	900	15:52	15:34:50.5	+31:33:27	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
0001-0010.DARK	900	01:54	23:07:24.0	+31:25:47	300	88	3.0	0 Calibration	4	
0011-0020.BIAS	0	02:12	23:07:24.0	+31:25:47	300	88	3.0	0 Calibration	4	
0021-0040.FLAT	7	02:19	23:07:24.0	+31:25:47	300	88	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:23	23:07:24.0	+31:25:47	300	88	3.0	0 Calibration	2	
0051.GITau	300	05:47	04:33:34.0	+24:21:18	300	88	3.0	#12 Symbiotic	2	thru clouds
0052.COMP	10	05:54	04:33:34.0	+24:21:18	300	89	3.0	0 Calibration	2	
0053.GKTau	300	05:55	04:33:34.5	+24:21:07	300	89	3.0	#12 Symbiotic	2	
0054.COMP	10	06:01	04:33:34.5	+24:21:07	300	88	3.0	0 Calibration	2	
0055.HD19445	30	06:02	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0056.COMP	10	06:03	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0057.G191B2B	600	06:06	05:05:30.6	+52:49:52	300	88	3.0	#56 Spectropho	2	
0058.COMP	10	06:16	05:05:30.6	+52:49:52	300	88	3.0	0 Calibration	2	
0059.BGGem	300	06:18	06:03:31.0	+27:41:50	300	88	3.0	#12 Symbiotic	2	
0060.COMP	5	06:27	06:03:31.0	+27:41:50	300	89	3.0	0 Calibration	2	
0061.A01187.1	1200	07:08	07:33:24.8	+21:08:45	300	89	3.0	#216 Local Com	2	thru murky cirrus
0062.COMP	10	07:29	07:33:24.8	+21:08:45	300	89	3.0	0 Calibration	2	
0063.A00555.1	1800	07:30	07:34:57.3	+23:21:19	300	89	3.0	#216 Local Com	2	
0064.COMP	10	08:01	07:34:57.3	+23:21:19	300	89	3.0	0 Calibration	2	
0065.BXMon	15	08:02	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0066.BXMon	180	08:03	07:25:23.0	-03:35:51	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
0067.COMP	10	08:06	07:25:23.0	-03:35:51	300	90	3.0	0 Calibration	2	
0068.SS129	300	08:08	07:32:45.0	-26:49:16	300	81	3.0	#12 Symbiotic	2	clearing....
0069.SS129	300	08:13	07:32:45.0	-26:49:16	300	81	3.0	#12 Symbiotic	2	
0070.COMP	10	08:18	07:32:45.0	-26:49:16	300	81	3.0	0 Calibration	2	
0071.A00561.2	1200	08:21	07:16:11.4	+38:49:38	300	90	3.0	#216 Local Com	2	need more cnts
0072.COMP	10	08:41	07:16:11.4	+38:49:38	300	90	3.0	0 Calibration	2	
0073.A00561.2	1800	08:43	07:16:11.4	+38:49:38	300	90	3.0	#216 Local Com	2	
0074.COMP	10	09:14	07:16:11.4	+38:49:38	300	89	3.0	0 Calibration	2	
0075.TCrB	25	12:48	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0076.TCrB	90	12:49	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0077.COMP	10	12:51	15:59:30.0	+25:55:12	300	90	3.0	0 Calibration	2	
0078.TCrB	420	12:51	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0079.COMP	10	12:59	15:59:30.0	+25:55:12	300	90	3.0	0 Calibration	2	
0080.AGDra	5	13:01	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0081.AGDra	45	13:02	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0082.AGDra	180	13:03	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0083.COMP	10	13:06	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0084-0093.BIAS	0	13:11	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0094-0103.FLAT	7	13:18	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0104-0113.DARK	900	15:37	16:01:41.0	+66:48:10	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
0001-0005.DARK	900	00:39	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	4	
0006-0015.BIAS	0	00:57	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	4	
0016-0035.FLAT	7	01:06	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0036-0045.BIAS	0	01:14	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0046.snJ2237	1500	01:43	22:37:05.6	+34:24:32	300	89	3.0	#2 SN Observat	2	row=77, through clouds...
0047.COMP	10	02:08	22:37:05.6	+34:24:32	300	90	3.0	0 Calibration	2	
0048.03192623+4748257	1500	04:38	03:19:26.2	+47:48:26	300	90	3.0	#141 2MASS Red	2	
0049.COMP	10	05:03	03:19:26.2	+47:48:26	300	88	3.0	0 Calibration	2	
0050.snJ0305	1800	05:10	03:06:00.0	+04:32:38	300	88	3.0	#2 SN Observat	2	
0051.COMP	10	05:40	03:06:00.0	+04:32:38	300	88	3.0	0 Calibration	2	
0052.snptf13ebh	1800	05:43	02:22:00.0	+33:16:14	300	88	3.0	#2 SN Observat	2	
0053.COMP	10	06:13	02:22:00.0	+33:16:14	300	90	3.0	0 Calibration	2	
0054.sn2013gy	1800	06:16	03:42:16.9	-04:43:19	300	90	3.0	#2 SN Observat	2	great conditions....
0055.COMP	10	06:47	03:42:16.9	-04:43:19	300	90	3.0	0 Calibration	2	
0056.HD19445	10	06:48	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0057.sn2013hk	1800	06:52	03:02:10.9	+15:55:39	300	0	3.0	#2 SN Observat	2	
0058.COMP	10	07:22	03:02:10.9	+15:55:39	300	0	3.0	0 Calibration	2	
0059.sn2013gv	1800	07:26	03:09:57.3	+19:12:49	300	89	3.0	#2 SN Observat	2	
0060.COMP	10	07:56	03:09:57.3	+19:12:49	300	89	3.0	0 Calibration	2	
0061.G191B2B	300	07:58	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
0062.COMP	10	08:03	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0063.A00561.1	1200	08:05	07:16:11.8	+38:49:41	300	89	3.0	#216 Local Com	2	
0064.COMP	10	08:26	07:16:11.8	+38:49:41	300	89	3.0	0 Calibration	2	
0065.A00230.1	720	08:27	07:25:49.2	+35:56:28	300	89	3.0	#216 Local Com	2	
0066.COMP	10	08:39	07:25:49.2	+35:56:28	300	89	3.0	0 Calibration	2	
0067.A00555.2	1500	08:41	07:34:58.9	+23:20:30	300	89	3.0	#216 Local Com	2	
0068.COMP	10	09:06	07:34:58.9	+23:20:30	300	89	3.0	0 Calibration	2	
0069.A00622.1	1500	09:08	07:36:06.6	+17:07:43	300	89	3.0	#216 Local Com	2	
0070.COMP	10	09:33	07:36:06.6	+17:07:43	300	89	3.0	0 Calibration	2	
0071.HD84937	20	09:35	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0072.COMP	10	09:36	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0073.sn2013gs	1800	09:39	09:31:08.9	+46:23:05	300	88	3.0	#2 SN Observat	2	
0074.COMP	10	10:10	09:31:08.9	+46:23:05	300	89	3.0	0 Calibration	2	
0075.sn2013ge	1800	10:11	10:34:48.5	+21:39:42	300	89	3.0	#2 SN Observat	2	
0076.COMP	10	10:41	10:34:48.5	+21:39:42	300	84	3.0	0 Calibration	2	
0077.Feige34	180	10:49	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0078.COMP	10	10:52	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0079.A01527.1	300	10:54	08:04:09.5	+08:59:38	300	89	3.0	#216 Local Com	2	
0080.COMP	10	10:59	08:04:09.5	+08:59:38	300	89	3.0	0 Calibration	2	
0081.A00195.3	1320	11:01	07:50:24.7	+31:58:07	300	89	3.0	#216 Local Com	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0082.COMP	10	11:24	07:50:24.7	+31:58:07	300	90	3.0	0 Calibration	2	
0083.A00918.1	300	11:25	08:20:28.0	+56:44:56	300	90	3.0	#216 Local Com	2	
0084.COMP	10	11:31	08:20:28.0	+56:44:56	300	89	3.0	0 Calibration	2	
0085.A00079.2	900	11:32	08:54:48.4	+35:46:54	300	89	3.0	#216 Local Com	2	
0086.COMP	10	11:48	08:54:48.4	+35:46:54	300	89	3.0	0 Calibration	2	
0087.A00081.2	1500	11:49	09:04:30.7	+19:24:37	300	89	3.0	#216 Local Com	2	
0088.COMP	10	12:14	09:04:30.7	+19:24:37	300	89	3.0	0 Calibration	2	
0089.A00513.2	1320	12:15	09:10:24.2	+26:16:21	300	89	3.0	#216 Local Com	2	
0090.COMP	10	12:38	09:10:24.2	+26:16:21	300	89	3.0	0 Calibration	2	
0091.A00948.1	1020	12:46	11:43:17.1	+13:58:18	300	89	3.0	#216 Local Com	2	
0092.COMP	10	13:03	11:43:17.1	+13:58:18	300	89	3.0	0 Calibration	2	
0093.A00395.1	600	13:07	12:26:45.2	+21:25:10	300	89	3.0	#216 Local Com	2	
0094.COMP	10	13:17	12:26:45.2	+21:25:10	300	89	3.0	0 Calibration	2	
0095.N4853	300	13:19	12:58:35.2	+27:35:47	300	89	3.0	#57 Velocity S	2	
0096.COMP	10	13:26	12:58:35.2	+27:35:47	300	87	3.0	0 Calibration	2	
0097-0106.BIAS	0	13:30	12:58:35.2	+27:35:47	300	87	3.0	0 Calibration	2	
0107-0126.FLAT	7	13:39	12:58:35.2	+27:35:47	300	87	3.0	0 Calibration	2	
0127-0136.DARK	900	15:59	12:58:35.2	+27:35:47	300	87	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:00	00:11:00.0	+32:00:00	300	88	3.0	0 Calibration	4	
0011-0020.BIAS	0	01:03	00:11:00.0	+32:00:00	300	88	3.0	0 Calibration	2	
0021.test	10	01:08	21:50:00.0	+32:00:00	1200	88	2.0	#176 Be/X-ray	2	
0022.FLAT	15	01:12	21:50:00.0	+32:00:00	1200	90	2.0	0 Calibration	2	1200-line, 2-sec, 845 red
0023-0036.FLAT	15	01:19	21:50:00.0	+32:00:00	1200	90	2.0	0 Calibration	2	
0037.HD19445	30	01:25	03:08:26.3	+26:20:29	1200	90	2.0	#176 Be/X-ray	2	
0038.HD19445	30	01:26	03:08:26.3	+26:20:29	1200	90	2.0	#176 Be/X-ray	2	
0039.HD19445	30	01:27	03:08:26.3	+26:20:29	1200	90	2.0	#176 Be/X-ray	2	
0040.COMP	10	01:28	03:08:26.3	+26:20:29	1200	90	2.0	0 Calibration	2	
0041.4U2204p543	120	01:30	22:07:57.0	+54:31:06	1200	90	2.0	#176 Be/X-ray	2	
0042.COMP	10	01:32	22:07:57.0	+54:31:06	1200	90	2.0	0 Calibration	2	
0043.SAXJ21035p4545	1500	01:34	21:03:35.7	+45:45:05	1200	90	2.0	#176 Be/X-ray	2	
0044.COMP	10	01:59	21:03:35.7	+45:45:05	1200	90	2.0	0 Calibration	2	
0045.IGRJ2134.2p4738	1800	02:01	21:34:20.4	+47:38:00	1200	90	2.0	#176 Be/X-ray	2	
0046.COMP	10	02:31	21:34:20.4	+47:38:00	1200	90	2.0	0 Calibration	2	
0047.IGR2253p6243	1800	02:33	22:53:55.1	+62:43:37	1200	90	2.0	#176 Be/X-ray	2	
0048.COMP	10	03:03	22:53:55.1	+62:43:37	1200	90	2.0	0 Calibration	2	
0049.4U0115p634	1500	03:05	01:18:32.0	+63:44:33	1200	90	2.0	#176 Be/X-ray	2	
0050.COMP	10	03:31	01:18:32.0	+63:44:33	1200	89	2.0	0 Calibration	2	
0051.IGRJ01363p6610	720	03:33	01:35:49.8	+66:12:43	1200	89	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
0052.COMP	10	03:45	01:35:49.8	+66:12:43	1200	89	2.0	0 Calibration	2	
0053.RXJ01469p6121	300	03:46	01:47:00.0	+61:21:23	1200	89	2.0	#176 Be/X-ray	2	
0054.COMP	10	03:52	01:47:00.0	+61:21:23	1200	89	2.0	0 Calibration	2	
0055.XPer	5	03:53	03:55:23.0	+31:02:45	1200	89	2.0	#176 Be/X-ray	2	
0056.XPer	5	03:54	03:55:23.0	+31:02:45	1200	89	2.0	#176 Be/X-ray	2	
0057.COMP	10	03:54	03:55:23.0	+31:02:45	1200	89	2.0	0 Calibration	2	
0058.RXJ04409p4431	360	03:55	04:41:00.6	+44:31:50	1200	89	2.0	#176 Be/X-ray	2	
0059.COMP	10	04:02	04:41:00.6	+44:31:50	1200	89	2.0	0 Calibration	2	
0060.A0535p262	75	04:04	05:38:54.5	+26:18:57	1200	89	2.0	#176 Be/X-ray	2	
0061.COMP	10	04:05	05:38:54.5	+26:18:57	1200	89	2.0	0 Calibration	2	
0062.IGRJ06074p2205	660	04:06	06:07:26.6	+22:05:48	1200	89	2.0	#176 Be/X-ray	2	
0063.COMP	10	04:18	06:07:26.6	+22:05:48	1200	88	2.0	0 Calibration	2	
0064.test	10	04:22	04:25:00.0	+32:00:00	300	88	3.0	#2 SN Observat	2	
0065.test	10	04:23	04:25:00.0	+32:00:00	300	88	3.0	#2 SN Observat	2	
0066.HD19445	12	04:24	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	300-line, 3-sec, combo
0067.HD19445	12	04:25	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0068.HD19445	12	04:25	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0069.COMP	10	04:26	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0070.sn13dsm	1800	04:29	03:33:12.8	-26:12:24	300	88	3.0	#2 SN Observat	2	
0071.COMP	10	04:59	03:33:12.8	-26:12:24	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
0072.snJ0305	1800	05:01	03:06:00.0	+04:32:38	300	90	3.0	#2 SN Observat	2	
0073.COMP	10	05:32	03:06:00.0	+04:32:38	300	90	3.0	0 Calibration	2	
0074.A00164.1	1200	05:34	07:36:29.5	+18:52:42	300	90	3.0	#216 Local Com	2	
0075.COMP	10	05:55	07:36:29.5	+18:52:42	300	88	3.0	0 Calibration	2	
0076.A00551.1	1200	05:56	08:02:33.3	+05:11:50	300	88	3.0	#216 Local Com	2	
0077.COMP	10	06:18	08:02:33.3	+05:11:50	300	89	3.0	0 Calibration	2	
0078.A01206.1	720	06:19	08:11:39.1	+02:50:56	300	89	3.0	#216 Local Com	2	
0079.COMP	10	06:32	08:11:39.1	+02:50:56	300	89	3.0	0 Calibration	2	
0080.A01710.1	900	06:34	08:20:19.6	+05:58:11	300	89	3.0	#216 Local Com	2	
0081.COMP	10	06:50	08:20:19.6	+05:58:11	300	88	3.0	0 Calibration	2	
0082.A00434.1	720	06:51	08:21:57.8	+09:10:59	300	88	3.0	#216 Local Com	2	
0083.COMP	10	07:03	08:21:57.8	+09:10:59	300	88	3.0	0 Calibration	2	
0084.A01954.1	1200	07:05	08:20:32.2	+26:46:49	300	88	3.0	#216 Local Com	2	
0085.COMP	10	07:26	08:20:32.2	+26:46:49	300	88	3.0	0 Calibration	2	
0086.A02167.1	900	07:28	08:34:06.3	+46:26:19	300	89	3.0	#216 Local Com	2	
0087.COMP	10	07:44	08:34:06.3	+46:26:19	300	89	3.0	0 Calibration	2	
0088.A00160.1	900	07:45	08:23:23.9	+19:31:01	300	88	3.0	#216 Local Com	2	
0089.COMP	10	08:01	08:23:23.9	+19:31:01	300	88	3.0	0 Calibration	2	
0090.A00249.1	1800	08:02	08:39:14.4	+08:22:43	300	88	3.0	#216 Local Com	2	
0091.COMP	10	08:33	08:39:14.4	+08:22:43	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
0092.A00023.2	720	08:35	08:40:10.5	+08:59:53	300	89	3.0	#216 Local Com	2	
0093.COMP	10	08:47	08:40:10.5	+08:59:53	300	87	3.0	0 Calibration	2	
0094.SA98m978	120	08:49	06:51:34.0	-00:11:33	300	87	3.0	#173 Small Sol	2	
0095.COMP	10	08:52	06:51:34.0	-00:11:33	300	90	3.0	0 Calibration	2	
0096.Asteroid.2013.YZ13	1200	08:54	07:28:07.1	+27:53:18	300	90	3.0	#173 Small Sol	2	
0097.COMP	10	09:14	07:28:07.1	+27:53:18	300	90	3.0	0 Calibration	2	
0098.Asteroid.2013.YZ13	1200	09:15	07:28:07.1	+27:53:18	300	90	3.0	#173 Small Sol	2	
0099.COMP	10	09:35	07:28:07.1	+27:53:18	300	90	3.0	0 Calibration	2	
0100.Asteroid.2013.YZ13	1200	09:36	07:28:07.1	+27:53:18	300	90	3.0	#173 Small Sol	2	
0101.COMP	10	09:57	07:28:07.1	+27:53:18	300	90	3.0	0 Calibration	2	
0102.HD84937	30	09:59	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0103.HD84937	30	09:59	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0104.HD84937	30	10:00	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0105.COMP	10	10:01	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0106.HD86728	1	10:02	10:01:00.7	+31:55:25	300	90	3.0	#173 Small Sol	2	
0107.HD86728	1	10:03	10:01:00.7	+31:55:25	300	90	3.0	#173 Small Sol	2	
0108.HD86728	1	10:03	10:01:00.7	+31:55:25	300	90	3.0	#173 Small Sol	2	
0109.COMP	10	10:03	10:01:00.7	+31:55:25	300	90	3.0	0 Calibration	2	
0110.Feige34	180	10:05	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0111.COMP	10	10:08	10:39:36.7	+43:06:09	300	83	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0112.A01407.1	1500	10:10	10:42:03.8	+39:26:57	300	83	3.0	#216 Local Com	2	
0113.COMP	10	10:35	10:42:03.8	+39:26:57	300	84	3.0	0 Calibration	2	
0114.sn2013ge	1800	10:37	10:34:48.5	+21:39:42	300	84	3.0	#2 SN Observat	2	
0115.COMP	10	11:08	10:34:48.5	+21:39:42	300	89	3.0	0 Calibration	2	
0116.A01076.2	1800	11:10	11:25:42.5	-01:33:12	300	89	3.0	#216 Local Com	2	
0117.COMP	10	11:41	11:25:42.5	-01:33:12	300	89	3.0	0 Calibration	2	
0118.A00369.2	1200	11:43	11:26:22.8	-03:30:09	300	90	3.0	#216 Local Com	2	
0119.COMP	10	12:03	11:26:22.8	-03:30:09	300	90	3.0	0 Calibration	2	
0120.A01577.2	1200	12:05	13:04:42.8	+09:00:29	300	90	3.0	#216 Local Com	2	
0121.COMP	10	12:26	13:04:42.8	+09:00:29	300	90	3.0	0 Calibration	2	
0122.A00964.3	1500	12:28	13:46:33.4	+26:11:47	300	90	3.0	#216 Local Com	2	
0123.COMP	10	12:54	13:46:33.4	+26:11:47	300	89	3.0	0 Calibration	2	
0124.A00240.3	1200	12:55	14:16:19.6	+36:12:40	300	89	3.0	#216 Local Com	2	
0125.COMP	10	13:15	14:16:19.6	+36:12:40	300	89	3.0	0 Calibration	2	
0126-0135.BIAS	0	13:19	14:16:19.6	+36:12:40	300	89	3.0	0 Calibration	2	
0136-0150.FLAT	7	13:24	14:16:19.6	+36:12:40	300	89	3.0	0 Calibration	2	
0151-0155.DARK	1800	15:31	14:16:19.6	+36:12:40	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
0001-0010.BIAS	0	00:29	14:16:19.6	+36:12:40	300	89	3.0	0 Calibration	4	
0011-0020.BIAS	0	01:04	14:16:19.6	+36:12:40	300	89	3.0	0 Calibration	2	
0021-0035.FLAT	7	01:10	14:16:19.6	+36:12:40	300	89	3.0	0 Calibration	2	
0036.ZAnd	10	01:28	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0037.ZAnd	30	01:29	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0038.ZAnd	90	01:30	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0039.COMP	10	01:32	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0040.HD19445	30	01:35	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0041.HD19445	30	01:36	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0042.HD19445	30	01:36	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0043.COMP	10	01:38	03:08:25.6	+26:19:51	300	89	3.0	0 Calibration	2	
0044.A01920.1	900	07:01	08:27:33.7	+01:29:23	300	89	3.0	#216 Local Com	2	
0045.COMP	10	07:17	08:27:33.7	+01:29:23	300	89	3.0	0 Calibration	2	
0046.A01920.2	900	07:18	08:27:40.0	+01:29:32	300	89	3.0	#216 Local Com	2	
0047.COMP	10	07:34	08:27:40.0	+01:29:32	300	89	3.0	0 Calibration	2	
0048.BIAS	0	07:38	06:09:00.2	+29:01:34	600	89	1.5	0 Calibration	4	
0049.lamost079	480	07:39	06:09:00.2	+29:01:34	600	89	1.5	#178 Low Mass	4	
0050.COMP	10	07:47	06:09:00.2	+29:01:34	600	89	1.5	0 Calibration	4	
0051.lamost079	480	07:47	06:09:00.2	+29:01:34	600	89	1.5	#178 Low Mass	4	
0052.COMP	10	07:56	06:09:00.2	+29:01:34	600	89	1.5	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>
0053.lamost079	480	07:57	06:09:00.2	+29:01:34	600	89	1.5	#178 Low Mass	4	
0054.COMP	10	08:05	06:09:00.2	+29:01:34	600	89	1.5	0 Calibration	4	
0055.lamost079	311	08:06	06:09:00.2	+29:01:34	600	89	1.5	#178 Low Mass	4	
0056.COMP	10	08:11	06:09:00.2	+29:01:34	600	89	1.5	0 Calibration	4	
0057.lamost079	480	08:13	06:09:00.2	+29:01:34	600	89	1.5	#178 Low Mass	4	
0058.COMP	10	08:21	06:09:00.2	+29:01:34	600	89	1.5	0 Calibration	4	
0059.Feige34	420	08:30	10:39:36.7	+43:06:09	600	89	1.5	#178 Low Mass	4	
0060.COMP	10	08:37	10:39:36.7	+43:06:09	600	88	1.5	0 Calibration	4	
0061-0070.BIAS	0	10:00	06:09:00.2	+29:01:34	600	88	1.5	0 Calibration	4	
0071-0085.FLAT	12	10:05	06:09:00.2	+29:01:34	600	88	1.5	0 Calibration	4	
0086-0090.DARK	900	11:15	06:09:00.2	+29:01:34	300	88	3.0	0 Calibration	2	
0091-0095.DARK	900	12:31	06:09:00.2	+29:01:34	300	88	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	22:03	06:09:00.2	+29:01:34	300	88	3.0	0 Calibration	2	
0006-0010.DARK	900	23:19	06:09:00.2	+29:01:34	300	88	3.0	0 Calibration	4	
0011-0020.BIAS	0	00:57	06:09:00.2	+29:01:34	300	88	3.0	0 Calibration	4	
0021-0030.BIAS	0	01:00	06:09:00.2	+29:01:34	300	88	3.0	0 Calibration	2	
0031-0045.FLAT	7	01:06	06:09:00.2	+29:01:34	300	88	3.0	0 Calibration	2	
0046.HD19445	30	01:27	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0047.HD19445	30	01:28	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0048.HD19445	30	01:29	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0049.COMP	10	01:30	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0050.RAqr	5	01:32	23:43:49.0	-15:17:05	300	88	3.0	#12 Symbiotic	2	
0051.RAqr	15	01:32	23:43:49.0	-15:17:05	300	88	3.0	#12 Symbiotic	2	
0052.RAqr	60	01:33	23:43:49.0	-15:17:05	300	88	3.0	#12 Symbiotic	2	
0053.COMP	10	01:34	23:43:49.0	-15:17:05	300	88	3.0	0 Calibration	2	
0054.M32	30	01:36	00:42:41.8	+40:51:55	300	88	3.0	#57 Velocity S	2	
0055.M32	30	01:37	00:42:41.8	+40:51:55	300	88	3.0	#57 Velocity S	2	
0056.M32	30	01:38	00:42:41.8	+40:51:55	300	88	3.0	#57 Velocity S	2	
0057.COMP	10	01:39	00:42:41.8	+40:51:55	300	88	3.0	0 Calibration	2	
0058.225m280	480	01:40	00:44:29.8	+41:21:25	300	88	3.0	#57 Velocity S	2	
0059.COMP	10	01:48	00:44:29.8	+41:21:25	300	78	3.0	0 Calibration	2	
0060.N7331	180	01:50	22:37:04.1	+34:24:56	300	78	3.0	#57 Velocity S	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0061.COMP	10	01:54	22:37:04.1	+34:24:56	300	89	3.0	0 Calibration	2	
0062.psn22370560	1200	01:55	22:37:05.6	+34:24:32	300	89	3.0	#2 SN Observat	2	
0063.COMP	10	02:16	22:37:05.6	+34:24:32	300	89	3.0	0 Calibration	2	
0064.DASCH_J2123+4115	35	02:19	21:23:26.5	+41:15:59	300	89	3.0	#192 DASCH Lon	2	
0065.DASCH_J2123+4115	35	02:20	21:23:26.5	+41:15:59	300	89	3.0	#192 DASCH Lon	2	
0066.DASCH_J2123+4115	35	02:21	21:23:26.5	+41:15:59	300	89	3.0	#192 DASCH Lon	2	
0067.COMP	10	02:22	21:23:26.5	+41:15:59	300	89	3.0	0 Calibration	2	
0068.snJ0305	1200	02:27	03:06:00.0	+04:32:38	300	89	3.0	#2 SN Observat	2	
0069.COMP	10	02:48	03:06:00.0	+04:32:38	300	89	3.0	0 Calibration	2	
0070.snptf13ebh	1800	02:51	02:22:00.0	+33:16:14	300	89	3.0	#2 SN Observat	2	
0071.COMP	10	03:21	02:22:00.0	+33:16:14	300	89	3.0	0 Calibration	2	
0072.sn13dsm	1800	03:25	03:33:12.8	-26:12:24	300	89	3.0	#2 SN Observat	2	
0073.COMP	10	03:56	03:33:12.8	-26:12:24	300	90	3.0	0 Calibration	2	
0074.sn2013gy	1800	03:58	03:42:16.9	-04:43:19	300	90	3.0	#2 SN Observat	2	
0075.COMP	10	04:28	03:42:16.9	-04:43:19	300	90	3.0	0 Calibration	2	
0076.COMP	10	04:33	02:15:20.9	+56:15:01	600	90	1.5	0 Calibration	4	
0077.lamost026	600	04:34	02:15:20.9	+56:15:01	600	90	1.5	#178 Low Mass	4	
0078.COMP	10	04:44	02:15:20.9	+56:15:01	600	90	1.5	0 Calibration	4	
0079.lamost026	600	04:45	02:15:20.9	+56:15:01	600	90	1.5	#178 Low Mass	4	
0080.COMP	10	04:55	02:15:20.9	+56:15:01	600	90	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0081.lamost026	600	04:56	02:15:20.9	+56:15:01	600	90	1.5	#178 Low Mass	4	
0082.COMP	10	05:06	02:15:20.9	+56:15:01	600	90	1.5	0 Calibration	4	
0083.lamost026	600	05:07	02:15:20.9	+56:15:01	600	90	1.5	#178 Low Mass	4	
0084.COMP	10	05:17	02:15:20.9	+56:15:01	600	90	1.5	0 Calibration	4	
0085.lamost026	600	05:18	02:15:20.9	+56:15:01	600	90	1.5	#178 Low Mass	4	
0086.COMP	10	05:28	02:15:20.9	+56:15:01	600	90	1.5	0 Calibration	4	
0087.lamost026	600	05:29	02:15:20.9	+56:15:01	600	90	1.5	#178 Low Mass	4	
0088.COMP	10	05:39	02:15:20.9	+56:15:01	600	88	1.5	0 Calibration	4	
0089.lamost059	960	05:41	02:39:37.1	+53:19:57	600	94	1.5	#178 Low Mass	4	
0090.COMP	10	05:57	02:39:37.1	+53:19:57	600	94	1.5	0 Calibration	4	
0091.lamost059	960	05:58	02:39:37.1	+53:19:57	600	94	1.5	#178 Low Mass	4	
0092.COMP	10	06:14	02:39:37.1	+53:19:57	600	94	1.5	0 Calibration	4	
0093.lamost059	960	06:15	02:39:37.1	+53:19:57	600	94	1.5	#178 Low Mass	4	
0094.COMP	10	06:31	02:39:37.1	+53:19:57	600	94	1.5	0 Calibration	4	
0095.lamost059	960	06:32	02:39:37.1	+53:19:57	600	94	1.5	#178 Low Mass	4	
0096.COMP	10	06:48	02:39:37.1	+53:19:57	600	94	1.5	0 Calibration	4	
0097.lamost024	180	06:50	03:52:04.7	+50:57:38	600	90	1.5	#178 Low Mass	4	
0098.COMP	10	06:53	03:52:04.7	+50:57:38	600	90	1.5	0 Calibration	4	
0099.lamost024	300	06:54	03:52:04.7	+50:57:38	600	90	1.5	#178 Low Mass	4	
0100.COMP	10	06:59	03:52:04.7	+50:57:38	600	90	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0101.lamost024	300	07:00	03:52:04.7	+50:57:38	600	90	1.5	#178 Low Mass	4	
0102.COMP	10	07:05	03:52:04.7	+50:57:38	600	90	1.5	0 Calibration	4	
0103.lamost024	300	07:06	03:52:04.7	+50:57:38	600	90	1.5	#178 Low Mass	4	
0104.COMP	10	07:11	03:52:04.7	+50:57:38	600	90	1.5	0 Calibration	4	
0105.lamost024	300	07:12	03:52:04.7	+50:57:38	600	90	1.5	#178 Low Mass	4	
0106.COMP	10	07:17	03:52:04.7	+50:57:38	600	90	1.5	0 Calibration	4	
0107.lamost024	300	07:18	03:52:04.7	+50:57:38	600	90	1.5	#178 Low Mass	4	
0108.COMP	10	07:23	03:52:04.7	+50:57:38	600	90	1.5	0 Calibration	4	
0109.lamost024	300	07:23	03:52:04.7	+50:57:38	600	90	1.5	#178 Low Mass	4	
0110.COMP	10	07:29	03:52:04.7	+50:57:38	600	90	1.5	0 Calibration	4	
0111.lamost024	300	07:29	03:52:04.7	+50:57:38	600	90	1.5	#178 Low Mass	4	
0112.COMP	10	07:35	03:52:04.7	+50:57:38	600	90	1.5	0 Calibration	4	
0113.lamost024	300	07:35	03:52:04.7	+50:57:38	600	90	1.5	#178 Low Mass	4	
0114.COMP	10	07:41	03:52:04.7	+50:57:38	600	90	1.5	0 Calibration	4	
0115.lamost024	300	07:41	03:52:04.7	+50:57:38	600	90	1.5	#178 Low Mass	4	
0116.COMP	10	07:47	03:52:04.7	+50:57:38	600	90	1.5	0 Calibration	4	
0117.lamost024	300	07:47	03:52:04.7	+50:57:38	600	90	1.5	#178 Low Mass	4	
0118.COMP	10	07:52	03:52:04.7	+50:57:38	600	90	1.5	0 Calibration	4	
0119.lamost128	300	07:54	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0120.COMP	10	07:59	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0121.lamost128	180	07:59	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0122.COMP	10	08:03	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0123.lamost128	180	08:03	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0124.COMP	10	08:07	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0125.lamost128	180	08:07	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0126.COMP	10	08:11	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0127.lamost128	180	08:11	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0128.COMP	10	08:15	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0129.lamost128	180	08:15	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0130.COMP	10	08:19	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0131.lamost128	180	08:19	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0132.COMP	10	08:23	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0133.lamost128	180	08:23	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0134.COMP	10	08:27	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0135.lamost128	180	08:27	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0136.COMP	10	08:30	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0137.lamost128	180	08:31	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0138.COMP	10	08:35	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0139.lamost128	180	08:35	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0140.COMP	10	08:38	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0141.lamost128	180	08:39	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0142.COMP	10	08:42	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0143.lamost128	180	08:43	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0144.COMP	10	08:46	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0145.lamost128	180	08:47	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0146.COMP	10	08:50	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0147.lamost128	180	08:51	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0148.COMP	10	08:54	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0149.lamost128	180	08:55	04:56:50.7	+46:52:10	600	90	1.5	#178 Low Mass	4	
0150.COMP	10	08:58	04:56:50.7	+46:52:10	600	90	1.5	0 Calibration	4	
0151.lamost070	900	08:59	06:04:40.7	+27:59:55	600	90	1.5	#178 Low Mass	4	
0152.COMP	10	09:15	06:04:40.7	+27:59:55	600	90	1.5	0 Calibration	4	
0153.lamost070	900	09:15	06:04:40.7	+27:59:55	600	90	1.5	#178 Low Mass	4	
0154.COMP	10	09:31	06:04:40.7	+27:59:55	600	90	1.5	0 Calibration	4	
0155.lamost070	900	09:31	06:04:40.7	+27:59:55	600	90	1.5	#178 Low Mass	4	
0156.COMP	10	09:47	06:04:40.7	+27:59:55	600	90	1.5	0 Calibration	4	
0157.lamost070	900	09:47	06:04:40.7	+27:59:55	600	90	1.5	#178 Low Mass	4	
0158.COMP	10	10:03	06:04:40.7	+27:59:55	600	90	1.5	0 Calibration	4	
0159.lamost079	480	10:04	06:09:00.2	+29:01:34	600	90	1.5	#178 Low Mass	4	
0160.COMP	10	10:12	06:09:00.2	+29:01:34	600	90	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0161.lamost079	480	10:13	06:09:00.2	+29:01:34	600	90	1.5	#178 Low Mass	4	
0162.COMP	10	10:21	06:09:00.2	+29:01:34	600	90	1.5	0 Calibration	4	
0163.lamost079	480	10:22	06:09:00.2	+29:01:34	600	90	1.5	#178 Low Mass	4	
0164.COMP	10	10:30	06:09:00.2	+29:01:34	600	90	1.5	0 Calibration	4	
0165.kinman4	360	10:32	09:58:47.7	+02:18:15	600	90	1.5	#178 Low Mass	4	
0166.COMP	10	10:38	09:58:47.7	+02:18:15	600	90	1.5	0 Calibration	4	
0167.kinman5	240	10:39	10:01:52.3	+02:11:59	600	90	1.5	#178 Low Mass	4	
0168.COMP	10	10:44	10:01:52.3	+02:11:59	600	90	1.5	0 Calibration	4	
0169.kinman7	60	10:46	10:29:11.8	+57:58:05	600	90	1.5	#178 Low Mass	4	
0170.COMP	10	10:47	10:29:11.8	+57:58:05	600	90	1.5	0 Calibration	4	
0171.Feige34	180	10:48	10:39:36.7	+43:06:09	600	90	1.5	#178 Low Mass	4	
0172.COMP	10	10:51	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0173-0182.FLAT	12	10:56	11:15:00.0	+32:00:00	600	90	1.5	0 Calibration	4	
0183.test	10	10:58	11:15:00.0	+32:00:00	300	90	3.0	#178 Low Mass	2	
0184.test	10	11:00	11:15:00.0	+32:00:00	300	90	3.0	#178 Low Mass	2	
0185.HD84937	60	11:01	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0186.COMP	10	11:03	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0187.Feige34	240	11:04	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0188.COMP	10	11:09	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0189.sn2013ge	1800	11:10	10:34:48.5	+21:39:42	300	90	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>
0190.COMP	10	11:41	10:34:48.5	+21:39:42	300	90	3.0	0 Calibration	2	
0191.sn2013gs	1800	11:43	09:31:08.9	+46:23:05	300	90	3.0	#2 SN Observat	2	
0192.COMP	10	12:13	09:31:08.9	+46:23:05	300	90	3.0	0 Calibration	2	
0193.psn120331	1800	12:15	12:03:31.2	+02:02:36	300	90	3.0	#2 SN Observat	2	
0194.COMP	10	12:45	12:03:31.2	+02:02:36	300	90	3.0	0 Calibration	2	
0195.A01673.1	1500	12:49	12:34:24.3	+41:04:16	300	90	3.0	#216 Local Com	2	
0196.COMP	10	13:14	12:34:24.3	+41:04:16	300	90	3.0	0 Calibration	2	
0197.N4853	300	13:17	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0198.COMP	10	13:23	12:58:35.2	+27:35:47	300	86	3.0	0 Calibration	2	
0199-0208.BIAS	0	13:27	12:58:35.2	+27:35:47	300	86	3.0	0 Calibration	2	
0209-0223.FLAT	7	13:32	12:58:35.2	+27:35:47	300	86	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	00:56	00:48:40.4	+31:25:50	300	89	3.0	0 Calibration	4	
0002-0011.BIAS	0	01:23	00:48:40.4	+31:25:50	300	89	3.0	0 Calibration	4	
0012-0031.FLAT	7	01:31	00:48:40.4	+31:25:50	300	89	3.0	0 Calibration	2	
0032-0041.BIAS	0	01:35	00:48:40.4	+31:25:50	300	89	3.0	0 Calibration	2	
0042.EGAnd	1	01:40	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0043.EGAnd	5	01:41	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0044.EGAnd	10	01:42	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0045.COMP	10	01:42	00:44:37.0	+40:40:47	300	89	3.0	0 Calibration	2	
0046.AXPer	4	01:44	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0047.AXPer	30	01:44	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0048.AXPer	90	01:45	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0049.COMP	10	01:47	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0050.snptf13ebh	1800	01:50	02:22:00.0	+33:16:14	300	88	3.0	#2 SN Observat	2	
0051.COMP	10	02:20	02:22:00.0	+33:16:14	300	90	3.0	0 Calibration	2	
0052.lamost036	840	02:30	01:57:14.5	+58:44:34	600	90	1.5	#178 Low Mass	4	row=44
0053.COMP	10	02:45	01:57:14.5	+58:44:34	600	90	1.5	0 Calibration	4	
0054.lamost036	840	02:45	01:57:14.5	+58:44:34	600	90	1.5	#178 Low Mass	4	
0055.COMP	10	03:00	01:57:14.5	+58:44:34	600	90	1.5	0 Calibration	4	
0056.lamost036	840	03:01	01:57:14.5	+58:44:34	600	90	1.5	#178 Low Mass	4	
0057.COMP	10	03:15	01:57:14.5	+58:44:34	600	90	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.lamost036	840	03:16	01:57:14.5	+58:44:34	600	90	1.5	#178 Low Mass	4	
0059.COMP	10	03:30	01:57:14.5	+58:44:34	600	89	1.5	0 Calibration	4	
0060.lamost083	420	03:33	05:57:18.4	+29:35:58	600	89	1.5	#178 Low Mass	4	
0061.COMP	10	03:41	05:57:18.4	+29:35:58	600	86	1.5	0 Calibration	4	
0062.lamost083	420	03:42	05:57:18.4	+29:35:58	600	86	1.5	#178 Low Mass	4	
0063.COMP	10	03:49	05:57:18.4	+29:35:58	600	86	1.5	0 Calibration	4	
0064.lamost083	420	03:50	05:57:18.4	+29:35:58	600	86	1.5	#178 Low Mass	4	
0065.COMP	10	03:57	05:57:18.4	+29:35:58	600	86	1.5	0 Calibration	4	
0066.lamost083	420	03:58	05:57:18.4	+29:35:58	600	86	1.5	#178 Low Mass	4	
0067.COMP	10	04:05	05:57:18.4	+29:35:58	600	86	1.5	0 Calibration	4	
0068.lamost083	420	04:06	05:57:18.4	+29:35:58	600	86	1.5	#178 Low Mass	4	
0069.COMP	10	04:14	05:57:18.4	+29:35:58	600	86	1.5	0 Calibration	4	
0070.lamost083	420	04:14	05:57:18.4	+29:35:58	600	86	1.5	#178 Low Mass	4	
0071.COMP	10	04:21	05:57:18.4	+29:35:58	600	86	1.5	0 Calibration	4	
0072.lamost083	420	04:22	05:57:18.4	+29:35:58	600	86	1.5	#178 Low Mass	4	
0073.COMP	10	04:30	05:57:18.4	+29:35:58	600	86	1.5	0 Calibration	4	
0074.lamost083	420	04:30	05:57:18.4	+29:35:58	600	86	1.5	#178 Low Mass	4	
0075.COMP	10	04:38	05:57:18.4	+29:35:58	600	90	1.5	0 Calibration	4	
0076.lamost045	480	04:39	05:57:50.3	+26:22:27	600	90	1.5	#178 Low Mass	4	
0077.COMP	10	04:47	05:57:50.3	+26:22:27	600	90	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.lamost045	480	04:48	05:57:50.3	+26:22:27	600	90	1.5	#178 Low Mass	4	
0079.COMP	10	04:56	05:57:50.3	+26:22:27	600	90	1.5	0 Calibration	4	
0080.lamost045	480	04:57	05:57:50.3	+26:22:27	600	90	1.5	#178 Low Mass	4	
0081.COMP	10	05:05	05:57:50.3	+26:22:27	600	90	1.5	0 Calibration	4	
0082.lamost045	480	05:06	05:57:50.3	+26:22:27	600	90	1.5	#178 Low Mass	4	
0083.COMP	10	05:14	05:57:50.3	+26:22:27	600	90	1.5	0 Calibration	4	
0084.lamost045	480	05:15	05:57:50.3	+26:22:27	600	90	1.5	#178 Low Mass	4	
0085.COMP	10	05:24	05:57:50.3	+26:22:27	600	90	1.5	0 Calibration	4	
0086.lamost045	480	05:24	05:57:50.3	+26:22:27	600	90	1.5	#178 Low Mass	4	
0087.COMP	10	05:33	05:57:50.3	+26:22:27	600	90	1.5	0 Calibration	4	
0088.lamost045	480	05:33	05:57:50.3	+26:22:27	600	90	1.5	#178 Low Mass	4	
0089.COMP	10	05:42	05:57:50.3	+26:22:27	600	89	1.5	0 Calibration	4	
0090.lamost045	480	05:42	05:57:50.3	+26:22:27	600	89	1.5	#178 Low Mass	4	
0091.COMP	10	05:51	05:57:50.3	+26:22:27	600	89	1.5	0 Calibration	4	
0092.G191B2B	300	05:55	05:05:30.6	+52:49:52	600	89	1.5	#178 Low Mass	4	
0093.COMP	10	06:00	05:05:30.6	+52:49:52	600	87	1.5	0 Calibration	4	
0094-0103.FLAT	12	06:25	05:59:05.7	+29:31:33	600	87	1.5	0 Calibration	4	
0104.DARK	900	07:00	05:59:05.7	+29:31:33	600	87	1.5	0 Calibration	4	binby4
0105-0113.DARK	900	09:18	05:59:05.7	+29:31:33	600	87	1.5	0 Calibration	4	
0114.DARK	900	09:34	05:59:05.7	+29:31:33	600	87	1.5	0 Calibration	2	binby2

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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>
0115-0123.DARK	900	11:52	05:59:05.7	+29:31:33	600	87	1.5	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:14	00:28:18.6	+31:25:47	300	89	3.0	0 Calibration	4	
0011-0030.FLAT	7	01:23	00:28:18.6	+31:25:47	300	89	3.0	0 Calibration	2	
0031-0040.BIAS	0	01:27	00:28:18.6	+31:25:47	300	89	3.0	0 Calibration	2	
0041.GITau	240	01:50	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0042.COMP	10	01:55	04:33:34.0	+24:21:18	300	89	3.0	0 Calibration	2	
0043.GKTau	240	01:55	04:33:34.5	+24:21:07	300	89	3.0	#12 Symbiotic	2	
0044.COMP	10	02:00	04:33:34.5	+24:21:07	300	89	3.0	0 Calibration	2	
0045.RAqr	1	02:02	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0046.RAqr	5	02:02	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0047.RAqr	10	02:03	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0048.COMP	10	02:03	23:43:49.0	-15:17:05	300	89	3.0	0 Calibration	2	
0049.ZAnd	1	02:06	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0050.ZAnd	5	02:06	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0051.ZAnd	30	02:07	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0052.COMP	10	02:10	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0053.M31	60	02:11	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0054.COMP	10	02:13	00:42:44.3	+41:16:09	300	89	3.0	0 Calibration	2	
0055.EGAnd	1	02:14	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0056.EGAnd	5	02:14	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0057.EGAnd	10	02:14	00:44:37.0	+40:40:47	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
0058.COMP	10	02:15	00:44:37.0	+40:40:47	300	89	3.0	0 Calibration	2	
0059.AXPer	4	02:18	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0060.AXPer	30	02:18	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0061.AXPer	90	02:19	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0062.COMP	10	02:21	01:36:23.0	+54:15:03	300	85	3.0	0 Calibration	2	
0063.snJ0305	2400	02:40	03:05:59.9	+04:32:38	300	85	3.0	#2 SN Observat	2	clouds?
0064.COMP	10	03:20	03:05:59.9	+04:32:38	300	85	3.0	0 Calibration	2	
0065.sn2014H	1500	03:23	03:37:01.5	+32:05:02	300	85	3.0	#2 SN Observat	2	
0066.COMP	10	03:49	03:37:01.5	+32:05:02	300	90	3.0	0 Calibration	2	
0067.Kenfil1020	1800	03:52	03:39:58.8	+10:02:46	300	90	3.0	#210 Brightest	2	
0068.COMP	10	04:22	03:39:58.8	+10:02:46	300	90	3.0	0 Calibration	2	
0069.A01637.1	1800	04:33	07:40:40.3	+16:35:17	300	90	3.0	#216 Local Com	2	
0070.COMP	10	05:04	07:40:40.3	+16:35:17	300	88	3.0	0 Calibration	2	
0071.G191B2B	300	05:07	05:05:30.6	+52:49:52	300	88	3.0	#56 Spectropho	2	
0072.COMP	10	05:13	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0073.Hiltner600	90	05:15	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0074.COMP	10	05:18	06:45:13.4	+02:08:15	300	88	3.0	0 Calibration	2	
0075.BGGem	300	05:19	06:03:31.0	+27:41:50	300	88	3.0	#12 Symbiotic	2	
0076.COMP	10	05:25	06:03:31.0	+27:41:50	300	88	3.0	0 Calibration	2	
0077.A00012.2	1200	05:27	07:44:42.4	+16:55:38	300	88	3.0	#216 Local Com	2	

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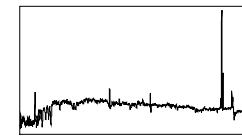
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.COMP	10	05:47	07:44:42.4	+16:55:38	300	86	3.0	0 Calibration	2	
0079.A00012.1	1500	05:48	07:44:43.3	+16:55:21	300	86	3.0	#216 Local Com	2	
0080.COMP	10	06:14	07:44:43.3	+16:55:21	300	87	3.0	0 Calibration	2	
0081.A00495.1	1500	06:16	07:47:13.6	+22:10:00	300	87	3.0	#216 Local Com	2	
0082.COMP	10	06:41	07:47:13.6	+22:10:00	300	87	3.0	0 Calibration	2	
0083.BXMon	15	06:43	07:25:23.0	-03:35:51	300	87	3.0	#12 Symbiotic	2	
0084.BXMon	180	06:44	07:25:23.0	-03:35:51	300	87	3.0	#12 Symbiotic	2	
0085.COMP	10	06:48	07:25:23.0	-03:35:51	300	89	3.0	0 Calibration	2	
0086.SS129	300	06:50	07:32:45.0	-26:49:16	300	89	3.0	#12 Symbiotic	2	row=83
0087.SS129	300	06:55	07:32:45.0	-26:49:16	300	89	3.0	#12 Symbiotic	2	
0088.COMP	10	07:01	07:32:45.0	-26:49:16	300	89	3.0	0 Calibration	2	
0089.A00167.2	480	07:04	08:38:08.9	+00:28:37	300	89	3.0	#216 Local Com	2	
0090.COMP	10	07:12	08:38:08.9	+00:28:37	300	89	3.0	0 Calibration	2	
0091.sn2014J	60	07:15	09:55:42.1	+69:40:26	300	89	3.0	#2 SN Observat	2	
0092.sn2014J	150	07:17	09:55:42.1	+69:40:26	300	89	3.0	#2 SN Observat	2	
0093.sn2014J	300	07:20	09:55:42.1	+69:40:26	300	89	3.0	#2 SN Observat	2	
0094.COMP	10	07:26	09:55:42.1	+69:40:26	300	88	3.0	0 Calibration	2	
0095.sn3013ge	1800	07:28	10:34:48.5	+21:39:42	300	88	3.0	#2 SN Observat	2	
0096.COMP	10	07:59	10:34:48.5	+21:39:42	300	83	3.0	0 Calibration	2	
0097.bhvs028	1800	08:13	09:36:39.0	-02:23:11	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
0098.COMP	10	08:43	09:36:39.0	-02:23:11	600	89	1.5	0 Calibration	4	
0099.bhvs028	1800	08:45	09:36:39.0	-02:23:11	600	89	1.5	#178 Low Mass	4	
0100.COMP	10	09:16	09:36:39.0	-02:23:11	600	89	1.5	0 Calibration	4	
0101.bhvs028	1800	09:25	09:36:39.0	-02:23:11	600	90	1.5	#178 Low Mass	4	
0102.COMP	10	09:55	09:36:39.0	-02:23:11	600	89	1.5	0 Calibration	4	
0103.bcand853	600	10:00	10:06:42.4	+69:41:50	600	89	1.5	#178 Low Mass	4	
0104.COMP	10	10:11	10:06:42.4	+69:41:50	600	88	1.5	0 Calibration	4	
0105.bcand853	600	10:12	10:06:42.4	+69:41:50	600	88	1.5	#178 Low Mass	4	
0106.COMP	10	10:22	10:06:42.4	+69:41:50	600	89	1.5	0 Calibration	4	
0107.bcand853	600	10:23	10:06:42.4	+69:41:50	600	88	1.5	#178 Low Mass	4	
0108.COMP	10	10:33	10:06:42.4	+69:41:50	600	89	1.5	0 Calibration	4	
0109.bcand853	600	10:34	10:06:42.4	+69:41:50	600	89	1.5	#178 Low Mass	4	
0110.COMP	10	10:44	10:06:42.4	+69:41:50	600	89	1.5	0 Calibration	4	
0111.bcand853	600	10:45	10:06:42.4	+69:41:50	600	89	1.5	#178 Low Mass	4	
0112.COMP	10	10:56	10:06:42.4	+69:41:50	600	90	1.5	0 Calibration	4	
0113.bcand853	600	10:56	10:06:42.4	+69:41:50	600	90	1.5	#178 Low Mass	4	
0114.COMP	10	11:07	10:06:42.4	+69:41:50	600	89	1.5	0 Calibration	4	
0115.Feige34	180	11:09	10:39:36.7	+43:06:09	600	88	1.5	#178 Low Mass	4	
0116.COMP	10	11:12	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	
0117-0126.FLAT	12	11:17	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0127.SN-14ad	1800	11:26	12:40:11.1	+18:03:33	300	89	3.0	#2 SN Observat	2	
0128.COMP	10	11:57	12:40:11.1	+18:03:33	300	88	3.0	0 Calibration	2	
0129.HD84937	30	11:59	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0130.COMP	10	12:00	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0131.Feige34	180	12:02	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0132.COMP	10	12:05	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0133.A00086.1	1200	12:07	12:58:36.0	+06:22:46	300	89	3.0	#216 Local Com	2	
0134.COMP	10	12:28	12:58:36.0	+06:22:46	300	87	3.0	0 Calibration	2	
0135.A01636.1	1800	12:31	13:38:38.4	+63:19:45	300	87	3.0	#216 Local Com	2	
0136.COMP	10	13:03	13:38:38.4	+63:19:45	300	87	3.0	0 Calibration	2	
0137.N4853	360	13:06	12:58:35.2	+27:35:47	300	87	3.0	#57 Velocity S	2	
0138.COMP	10	13:12	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0139-0148.BIAS	0	13:20	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0149-0168.FLAT	7	13:27	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0169-0173.DARK	900	14:30	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	4	
0174-0176.DARK	900	15:16	12:58:35.2	+27:35:47	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
0001-0010.DARK	900	01:23	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	4	
0011-0020.BIAS	0	01:40	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	4	
0021-0040.FLAT	7	01:49	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0041-0050.BIAS	0	01:51	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0051.M31	60	01:55	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0052.COMP	10	01:57	00:42:44.3	+41:16:09	300	89	3.0	0 Calibration	2	
0053.HD19445	10	02:01	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0054.HD19445	10	02:01	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0055.HD19445	10	02:01	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0056.COMP	10	02:03	03:08:25.6	+26:19:51	300	89	3.0	0 Calibration	2	
0057.Kenfill021	1800	02:05	03:38:15.4	+09:54:10	300	89	3.0	#210 Brightest	2	thin clouds, decent seeing though
0058.COMP	10	02:36	03:38:15.4	+09:54:10	300	89	3.0	0 Calibration	2	
0059.sn2014H	1800	02:42	03:37:01.5	+32:05:02	300	89	3.0	#2 SN Observat	2	
0060.COMP	10	03:12	03:37:01.5	+32:05:02	300	88	3.0	0 Calibration	2	
0061.snJ0305	2400	03:15	03:05:59.9	+04:32:38	300	88	3.0	#2 SN Observat	2	
0062.COMP	10	03:55	03:05:59.9	+04:32:38	300	88	3.0	0 Calibration	2	
0063.Jager	420	03:59	06:13:14.3	+31:58:33	300	88	3.0	#173 Small Sol	2	
0064.COMP	10	04:06	06:13:14.3	+31:58:33	300	88	3.0	0 Calibration	2	
0065.Polana	300	04:09	06:37:18.0	+23:14:22	300	61	3.0	#173 Small Sol	2	
0066.COMP	10	04:15	06:37:18.0	+23:14:22	300	61	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.HD25680	15	04:17	04:05:20.3	+22:00:32	300	90	3.0	#173 Small Sol	2	WHoa! Saturated! Get again...
0068.COMP	10	04:18	04:05:20.3	+22:00:32	300	90	3.0	0 Calibration	2	
0069.HD25680	2	04:18	04:05:20.3	+22:00:32	300	90	3.0	#173 Small Sol	2	
0070.COMP	10	04:19	04:05:20.3	+22:00:32	300	90	3.0	0 Calibration	2	
0071.G191B2B	300	04:22	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0072.COMP	10	04:27	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0073.T13229891	30	04:29	06:12:59.5	+19:45:07	300	89	3.0	#192 DASCH Lon	2	need more cnts
0074.COMP	10	04:30	06:12:59.5	+19:45:07	300	89	3.0	0 Calibration	2	
0075.T13229891	80	04:31	06:12:59.5	+19:45:07	300	89	3.0	#192 DASCH Lon	2	
0076.COMP	10	04:33	06:12:59.5	+19:45:07	300	89	3.0	0 Calibration	2	
0077.T13461231	150	04:35	07:15:02.2	+16:52:12	300	89	3.0	#192 DASCH Lon	2	
0078.COMP	10	04:38	07:15:02.2	+16:52:12	300	89	3.0	0 Calibration	2	
0079.T191311701	60	04:39	07:20:59.0	+24:59:58	300	89	3.0	#192 DASCH Lon	2	
0080.COMP	10	04:40	07:20:59.0	+24:59:58	300	89	3.0	0 Calibration	2	
0081.T191311701	15	04:41	07:20:59.0	+24:59:58	300	89	3.0	#192 DASCH Lon	2	
0082.COMP	10	04:42	07:20:59.0	+24:59:58	300	89	3.0	0 Calibration	2	
0083.T191311701	5	04:43	07:20:59.0	+24:59:58	300	89	3.0	#192 DASCH Lon	2	
0084.COMP	10	04:44	07:20:59.0	+24:59:58	300	89	3.0	0 Calibration	2	
0085.T13668881	210	04:45	07:44:56.9	+17:43:18	300	89	3.0	#192 DASCH Lon	2	
0086.COMP	10	04:49	07:44:56.9	+17:43:18	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
0087.T13668881	120	04:50	07:44:56.9	+17:43:18	300	89	3.0	#192 DASCH Lon	2	
0088.COMP	10	04:53	07:44:56.9	+17:43:18	300	89	3.0	0 Calibration	2	
0089.lamost152	240	04:59	06:39:37.5	+02:28:46	600	89	1.5	#178 Low Mass	4	
0090.COMP	10	05:04	06:39:37.5	+02:28:46	600	87	1.5	0 Calibration	4	
0091.lamost152	240	05:05	06:39:37.5	+02:28:46	600	88	1.5	#178 Low Mass	4	
0092.COMP	10	05:09	06:39:37.5	+02:28:46	600	86	1.5	0 Calibration	4	
0093.lamost152	240	05:10	06:39:37.5	+02:28:46	600	86	1.5	#178 Low Mass	4	
0094.COMP	10	05:14	06:39:37.5	+02:28:46	600	90	1.5	0 Calibration	4	
0095.lamost152	240	05:15	06:39:37.5	+02:28:46	600	89	1.5	#178 Low Mass	4	
0096.COMP	10	05:20	06:39:37.5	+02:28:46	600	89	1.5	0 Calibration	4	
0097.lamost152	240	05:22	06:39:37.5	+02:28:46	600	89	1.5	#178 Low Mass	4	
0098.COMP	10	05:26	06:39:37.5	+02:28:46	600	90	1.5	0 Calibration	4	
0099.lamost152	240	05:27	06:39:37.5	+02:28:46	600	90	1.5	#178 Low Mass	4	
0100.COMP	10	05:32	06:39:37.5	+02:28:46	600	90	1.5	0 Calibration	4	
0101.lamost152	240	05:33	06:39:37.5	+02:28:46	600	90	1.5	#178 Low Mass	4	
0102.COMP	10	05:37	06:39:37.5	+02:28:46	600	90	1.5	0 Calibration	4	
0103.lamost152	240	05:38	06:39:37.5	+02:28:46	600	90	1.5	#178 Low Mass	4	
0104.COMP	10	05:43	06:39:37.5	+02:28:46	600	89	1.5	0 Calibration	4	
0105.lamost152	240	05:44	06:39:37.5	+02:28:46	600	89	1.5	#178 Low Mass	4	
0106.COMP	10	05:49	06:39:37.5	+02:28:46	600	90	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0107.lamost152	240	05:49	06:39:37.5	+02:28:46	600	90	1.5	#178 Low Mass	4	
0108.COMP	10	05:54	06:39:37.5	+02:28:46	600	90	1.5	0 Calibration	4	
0109.lamost152	240	05:54	06:39:37.5	+02:28:46	600	90	1.5	#178 Low Mass	4	
0110.COMP	10	05:59	06:39:37.5	+02:28:46	600	90	1.5	0 Calibration	4	
0111.lamost152	240	06:00	06:39:37.5	+02:28:46	600	90	1.5	#178 Low Mass	4	
0112.COMP	10	06:04	06:39:37.5	+02:28:46	600	90	1.5	0 Calibration	4	
0113.lmwd037	960	06:07	07:56:10.7	+67:04:25	600	90	1.5	#178 Low Mass	4	
0114.COMP	10	06:23	07:56:10.7	+67:04:25	600	83	1.5	0 Calibration	4	
0115.lmwd037	960	06:24	07:56:10.7	+67:04:25	600	83	1.5	#178 Low Mass	4	
0116.COMP	10	06:40	07:56:10.7	+67:04:25	600	83	1.5	0 Calibration	4	
0117.lmwd037	960	06:41	07:56:10.7	+67:04:25	600	83	1.5	#178 Low Mass	4	
0118.COMP	10	06:58	07:56:10.7	+67:04:25	600	83	1.5	0 Calibration	4	
0119.lmwd037	960	06:59	07:56:10.7	+67:04:25	600	83	1.5	#178 Low Mass	4	
0120.COMP	10	07:15	07:56:10.7	+67:04:25	600	88	1.5	0 Calibration	4	
0121.bcand404	1200	07:17	08:46:55.8	+61:43:29	600	88	1.5	#178 Low Mass	4	
0122.COMP	10	07:38	08:46:55.8	+61:43:29	600	88	1.5	0 Calibration	4	
0123.bcand404	1200	07:38	08:46:55.8	+61:43:29	600	88	1.5	#178 Low Mass	4	
0124.COMP	10	07:59	08:46:55.8	+61:43:29	600	89	1.5	0 Calibration	4	
0125.bcand404	1200	08:00	08:46:55.8	+61:43:29	600	89	1.5	#178 Low Mass	4	
0126.COMP	10	08:20	08:46:55.8	+61:43:29	600	85	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0127.bcand510	1260	08:24	10:24:48.9	+08:56:20	600	85	1.5	#178 Low Mass	4	row=32
0128.COMP	10	08:46	10:24:48.9	+08:56:20	600	90	1.5	0 Calibration	4	
0129.bcand510	1260	08:47	10:24:48.9	+08:56:20	600	90	1.5	#178 Low Mass	4	
0130.COMP	10	09:09	10:24:48.9	+08:56:20	600	88	1.5	0 Calibration	4	
0131.bcand510	1260	09:10	10:24:48.9	+08:56:20	600	87	1.5	#178 Low Mass	4	
0132.COMP	10	09:31	10:24:48.9	+08:56:20	600	89	1.5	0 Calibration	4	
0133.Feige34	210	09:33	10:39:36.7	+43:06:09	600	89	1.5	#178 Low Mass	4	
0134.COMP	10	09:37	10:39:36.7	+43:06:09	600	88	1.5	0 Calibration	4	
0135-0144.FLAT	12	09:42	10:39:36.7	+43:06:09	600	88	1.5	0 Calibration	4	
0145.Feige34	150	09:49	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0146.COMP	10	09:52	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0147.HD84937	25	09:54	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0148.COMP	10	09:55	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0149.SA102m370	180	09:57	10:56:33.8	-01:10:41	300	88	3.0	#173 Small Sol	2	
0150.COMP	10	10:00	10:56:33.8	-01:10:41	300	90	3.0	0 Calibration	2	
0151.YP180	420	10:03	10:13:34.2	-04:58:04	300	90	3.0	#173 Small Sol	2	
0152.COMP	10	10:10	10:13:34.2	-04:58:04	300	90	3.0	0 Calibration	2	
0153.AY28	1500	10:13	10:39:23.6	+25:16:26	300	90	3.0	#173 Small Sol	2	
0154.COMP	10	10:39	10:39:23.6	+25:16:26	300	90	3.0	0 Calibration	2	
0155.HD86728	5	10:40	10:01:00.7	+31:55:25	300	90	3.0	#173 Small Sol	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0156.COMP	10	10:41	10:01:00.7	+31:55:25	300	90	3.0	0 Calibration	2	
0157.T48653671	360	10:45	08:58:00.3	-00:19:53	300	91	3.0	#192 DASCH Lon	2	
0158.COMP	10	10:52	08:58:00.3	-00:19:53	300	90	3.0	0 Calibration	2	
0159.T222361	75	10:53	08:36:47.4	+06:59:22	300	90	3.0	#192 DASCH Lon	2	
0160.COMP	10	10:56	08:36:47.4	+06:59:22	300	91	3.0	0 Calibration	2	
0161.psnj1218	1500	10:59	12:18:48.7	+14:24:44	300	91	3.0	#2 SN Observat	2	
0162.COMP	10	11:24	12:18:48.7	+14:24:44	300	90	3.0	0 Calibration	2	
0163.A00296.2	1800	11:26	10:23:36.4	+37:14:24	300	90	3.0	#216 Local Com	2	
0164.COMP	10	11:57	10:23:36.4	+37:14:24	300	90	3.0	0 Calibration	2	
0165.SN-14ad	1800	11:58	12:40:11.1	+18:03:33	300	90	3.0	#2 SN Observat	2	
0166.COMP	10	12:29	12:40:11.1	+18:03:33	300	90	3.0	0 Calibration	2	
0167.A00988.1	1800	12:32	13:51:19.2	+30:00:03	300	90	3.0	#216 Local Com	2	
0168.COMP	10	13:02	13:51:19.2	+30:00:03	300	89	3.0	0 Calibration	2	
0169.BDp332642	120	13:04	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0170.COMP	10	13:06	15:51:59.9	+32:56:54	300	85	3.0	0 Calibration	2	
0171.BDp262606	90	13:08	14:49:02.4	+25:42:09	300	85	3.0	#56 Spectropho	2	
0172.COMP	10	13:10	14:49:02.4	+25:42:09	300	85	3.0	0 Calibration	2	
0173.N4853	360	13:11	12:58:35.2	+27:35:47	300	85	3.0	#57 Velocity S	2	
0174.COMP	10	13:18	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0175-0184.BIAS	0	13:24	12:58:35.2	+27:35:47	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>
0185-0204.FLAT	7	13:30	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0205-0214.BIAS	0	13:33	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0215-0222.DARK	900	15:21	12:58:35.2	+27:35:47	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
0001-0010.BIAS	0	01:11	02:18:25.0	+31:26:38	300	90	3.0	0 Calibration	2	
0011.FLAT	7	01:12	02:18:25.0	+31:26:38	300	90	3.0	0 Calibration	2	300-line, 3-sec, combo
0012-0025.FLAT	7	01:16	02:18:25.0	+31:26:38	300	90	3.0	0 Calibration	2	
0026.COMP	10	01:22	02:18:25.0	+31:26:38	300	90	3.0	0 Calibration	2	
0027.HD19445	20	01:57	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0028.HD19445	20	01:58	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0029.HD19445	20	01:59	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0030.COMP	10	01:59	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0031.04504506+2451509	1800	02:02	04:50:45.1	+24:51:51	300	90	3.0	#141 2MASS Red	2	
0032.COMP	10	02:33	04:50:45.1	+24:51:51	300	89	3.0	0 Calibration	2	
0033.05043462+6834556	900	02:35	05:04:34.6	+68:34:56	300	89	3.0	#141 2MASS Red	2	
0034.COMP	10	02:51	05:04:34.6	+68:34:56	300	90	3.0	0 Calibration	2	
0035.05292370+7644474	1322	04:09	05:29:23.7	+76:44:47	300	90	3.0	#141 2MASS Red	2	
0036.COMP	10	04:31	05:29:23.7	+76:44:47	300	90	3.0	0 Calibration	2	
0037.05574608+5414285	900	04:37	05:57:46.1	+54:14:29	300	90	3.0	#141 2MASS Red	2	
0038.COMP	10	04:52	05:57:46.1	+54:14:29	300	89	3.0	0 Calibration	2	
0039.sn2014J	30	04:54	09:55:42.1	+69:40:26	300	89	3.0	#2 SN Observat	2	
0040.sn2014J	180	04:55	09:55:42.1	+69:40:26	300	89	3.0	#2 SN Observat	2	
0041.sn2014J	180	04:58	09:55:42.1	+69:40:26	300	89	3.0	#2 SN Observat	2	
0042.sn2014J	180	05:02	09:55:42.1	+69:40:26	300	89	3.0	#2 SN Observat	2	

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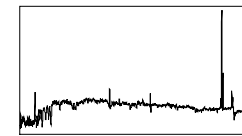
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0043.COMP	10	05:06	09:55:42.1	+69:40:26	300	89	3.0	0 Calibration	2	
0044.05594532+4223345	1800	05:10	05:59:45.3	+42:23:34	300	89	3.0	#141 2MASS Red	2	
0045.COMP	10	05:40	05:59:45.3	+42:23:34	300	89	3.0	0 Calibration	2	
0051.sn2014J.1200	1200	06:02	09:55:42.1	+69:40:26	1200	89	1.1	#2 SN Observat	2	1200gpm, 1.1 slit, NaD
0052.COMP	10	06:22	09:55:42.1	+69:40:26	1200	89	1.1	0 Calibration	2	
0053.sn2014J.1200	600	06:23	09:55:42.1	+69:40:26	1200	89	1.1	#2 SN Observat	2	
0054.COMP	10	06:34	09:55:42.1	+69:40:26	1200	89	1.1	0 Calibration	2	
0055.sn2014J.1200	1200	06:34	09:55:42.1	+69:40:26	1200	89	1.1	#2 SN Observat	2	
0056.COMP	10	06:55	09:55:42.1	+69:40:26	1200	89	1.1	0 Calibration	2	
0057.HD84937	180	06:57	09:48:56.1	+13:44:39	1200	89	1.1	#56 Spectropho	2	
0058.HD84937	180	07:01	09:48:56.1	+13:44:39	1200	89	1.1	#56 Spectropho	2	
0059.COMP	10	07:04	09:48:56.1	+13:44:39	1200	89	1.1	0 Calibration	2	
0060-0069.FLAT	30	07:13	08:45:00.0	+32:00:00	1200	89	1.1	0 Calibration	2	
0070.test	10	07:35	09:15:00.0	+32:00:00	300	89	3.0	#56 Spectropho	2	
0071.HD84937	30	08:21	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	300-line, 3-sec, combo
0072.COMP	10	08:23	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0073.sn2013gs	1800	08:25	09:31:08.9	+46:23:05	300	89	3.0	#2 SN Observat	2	
0074.COMP	10	08:56	09:31:08.9	+46:23:05	300	89	3.0	0 Calibration	2	
0075.Feige34	200	08:57	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0076.COMP	10	09:01	10:39:36.7	+43:06:09	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
0077.sn3013ge	1800	09:02	10:34:48.5	+21:39:42	300	89	3.0	#2 SN Observat	2	
0078.COMP	10	09:33	10:34:48.5	+21:39:42	300	89	3.0	0 Calibration	2	
0079.psnj1218	1505	09:36	12:18:48.7	+14:24:44	300	89	3.0	#2 SN Observat	2	
0080.COMP	10	10:01	12:18:48.7	+14:24:44	300	86	3.0	0 Calibration	2	
0081.SN-14ad	1800	10:03	12:40:11.1	+18:03:33	300	86	3.0	#2 SN Observat	2	
0082.COMP	10	10:34	12:40:11.1	+18:03:33	300	86	3.0	0 Calibration	2	
0083.A01390.4	1200	10:37	10:15:23.2	+60:08:32	300	89	3.0	#216 Local Com	2	target at row 80, companion at row 73
0084.COMP	10	10:58	10:15:23.2	+60:08:32	300	89	3.0	0 Calibration	2	
0085.A00441.1	900	10:59	10:34:03.0	+61:37:19	300	89	3.0	#216 Local Com	2	
0086.COMP	10	11:14	10:34:03.0	+61:37:19	300	89	3.0	0 Calibration	2	
0087.a14back39	720	11:16	10:15:11.9	+60:09:53	300	89	3.0	#216 Local Com	2	
0088.COMP	10	11:29	10:15:11.9	+60:09:53	300	89	3.0	0 Calibration	2	
0089.A02160.3	1500	11:30	11:54:23.0	+49:32:51	300	89	3.0	#216 Local Com	2	
0090.COMP	10	11:56	11:54:23.0	+49:32:51	300	90	3.0	0 Calibration	2	
0091.A00790.2	900	11:58	13:44:24.3	+41:22:34	300	90	3.0	#216 Local Com	2	
0092.COMP	10	12:13	13:44:24.3	+41:22:34	300	89	3.0	0 Calibration	2	
0093.A00456.1	1200	12:15	14:20:37.2	+54:49:01	300	89	3.0	#216 Local Com	2	
0094.COMP	10	12:35	14:20:37.2	+54:49:01	300	89	3.0	0 Calibration	2	
0095.A00539.1	900	12:37	14:23:42.6	+18:48:59	300	89	3.0	#216 Local Com	2	
0096.COMP	10	12:52	14:23:42.6	+18:48:59	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
0097.a14back19	200	12:54	14:20:36.6	+58:52:31	300	89	3.0	#216 Local Com	2	
0098.COMP	10	12:58	14:20:36.6	+58:52:31	300	89	3.0	0 Calibration	2	
0099.AGDra	10	12:59	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0100.AGDra	30	13:00	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0101.AGDra	120	13:01	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0102.COMP	10	13:03	16:01:41.0	+66:48:10	300	89	3.0	0 Calibration	2	
0103.TCrB	60	13:06	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0104.TCrB	60	13:07	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0105.TCrB	60	13:08	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0106.COMP	10	13:09	15:59:30.0	+25:55:12	300	89	3.0	0 Calibration	2	
0107.BDp332642	120	13:11	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0108.COMP	10	13:13	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0109.BDp262606	90	13:15	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0110.COMP	10	13:17	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0111-0120.BIAS	0	13:20	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0121-0135.FLAT	7	13:26	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0136-0140.DARK	1200	14:51	14:49:02.4	+25:42:09	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
0001-0010.BIAS	0	01:03	01:00:00.0	+24:00:00	300	89	3.0	0 Calibration	2	
0011.FLAT	7	01:03	01:00:00.0	+24:00:00	300	89	3.0	0 Calibration	2	300-line, 3-sec, combo
0012-0025.FLAT	7	01:08	01:00:00.0	+24:00:00	300	89	3.0	0 Calibration	2	
0026.HD19445	30	01:56	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0027.HD19445	30	01:56	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0028.HD19445	30	01:57	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0029.COMP	10	01:58	03:08:25.6	+26:19:51	300	89	3.0	0 Calibration	2	
0030.03310757+6806544	1800	02:01	03:31:07.6	+68:06:54	300	89	3.0	#141 2MASS Red	2	
0031.COMP	10	02:32	03:31:07.6	+68:06:54	300	89	3.0	0 Calibration	2	
0032.03435654+4456315	1200	02:34	03:43:56.5	+44:56:31	300	89	3.0	#141 2MASS Red	2	
0033.COMP	10	02:55	03:43:56.5	+44:56:31	300	88	3.0	0 Calibration	2	
0034.03444712+4559150	1200	02:56	03:44:47.1	+45:59:15	300	88	3.0	#141 2MASS Red	2	
0035.COMP	10	03:17	03:44:47.1	+45:59:15	300	88	3.0	0 Calibration	2	
0036.03460623+4621443	1341	03:20	03:46:06.2	+46:21:44	300	88	3.0	#141 2MASS Red	2	
0037.COMP	10	03:42	03:46:06.2	+46:21:44	300	88	3.0	0 Calibration	2	
0038.03472525+4213515	1500	04:07	03:47:25.2	+42:13:51	300	89	3.0	#141 2MASS Red	2	
0039.COMP	10	04:40	03:47:25.2	+42:13:51	300	89	3.0	0 Calibration	2	
0040.T37966671	20	04:49	08:04:09.1	+53:16:43	300	89	3.0	#192 DASCH Lon	2	
0041.T37966671	120	04:50	08:04:09.1	+53:16:43	300	89	3.0	#192 DASCH Lon	2	
0042.T37966671	120	04:53	08:04:09.1	+53:16:43	300	89	3.0	#192 DASCH Lon	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0043.COMP	10	04:55	08:04:09.1	+53:16:43	300	89	3.0	0 Calibration	2	
0044.sn2014J	120	04:57	09:55:42.1	+69:40:26	300	89	3.0	#2 SN Observat	2	
0045.sn2014J	120	04:59	09:55:42.1	+69:40:26	300	89	3.0	#2 SN Observat	2	
0046.sn2014J	120	05:02	09:55:42.1	+69:40:26	300	89	3.0	#2 SN Observat	2	
0047.sn2014J	120	05:04	09:55:42.1	+69:40:26	300	89	3.0	#2 SN Observat	2	
0048.COMP	10	05:07	09:55:42.1	+69:40:26	300	89	3.0	0 Calibration	2	
0049.BIAS	0	05:16	07:30:00.0	+32:00:00	1200	89	1.1	0 Calibration	2	
0050.sn2014J.1200	600	05:18	09:55:42.1	+69:40:26	1200	89	1.1	#2 SN Observat	2	
0051.COMP	10	05:29	09:55:42.1	+69:40:26	1200	90	1.1	0 Calibration	2	
0052.sn2014J.1200	600	05:29	09:55:42.1	+69:40:26	1200	90	1.1	#2 SN Observat	2	
0053.COMP	10	05:40	09:55:42.1	+69:40:26	1200	90	1.1	0 Calibration	2	
0054.sn2014J.1200	600	05:41	09:55:42.1	+69:40:26	1200	90	1.1	#2 SN Observat	2	
0055.COMP	10	05:52	09:55:42.1	+69:40:26	1200	89	1.1	0 Calibration	2	
0056.HD84937	300	05:54	09:48:56.1	+13:44:39	1200	89	1.1	#56 Spectropho	2	
0057.COMP	10	06:00	09:48:56.1	+13:44:39	1200	89	1.1	0 Calibration	2	
0058-0067.FLAT	30	06:09	07:30:00.0	+32:00:00	1200	89	1.1	0 Calibration	2	
0068.test	10	06:14	08:15:00.0	+32:00:00	300	89	3.0	#2 SN Observat	2	
0069.test	10	06:15	08:15:00.0	+32:00:00	300	89	3.0	#2 SN Observat	2	
0070.a14back09	300	06:18	08:56:37.3	+21:45:51	300	89	3.0	#216 Local Com	2	300-line, 3-sec, combo
0071.COMP	10	06:24	08:56:37.3	+21:45:51	300	89	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>
0072.A02146.1	300	06:25	09:07:55.8	+08:01:31	300	89	3.0	#216 Local Com	2	
0073.COMP	10	06:31	09:07:55.8	+08:01:31	300	89	3.0	0 Calibration	2	
0074.sn3013ge	1800	07:23	10:34:48.5	+21:39:42	300	89	3.0	#2 SN Observat	2	
0075.COMP	10	07:53	10:34:48.5	+21:39:42	300	89	3.0	0 Calibration	2	
0076.sn2014L	574	07:55	12:18:48.7	+14:24:44	300	89	3.0	#2 SN Observat	2	
0077.COMP	10	08:05	12:18:48.7	+14:24:44	300	88	3.0	0 Calibration	2	
0078-0087.BIAS	0	08:15	12:18:48.7	+14:24:44	300	88	3.0	0 Calibration	2	
0088-0102.FLAT	7	08:20	12:18:48.7	+14:24:44	300	88	3.0	0 Calibration	2	
0103-0107.DARK	1200	13:09	12:18:48.7	+14:24:44	300	88	3.0	0 Calibration	2	

UT Date 2014-02-01 Observers P BerlindColl. Focus 1350 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.BIAS	0	01:02	12:18:48.7	+14:24:44	300	88	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:08	12:18:48.7	+14:24:44	300	88	3.0	0 Calibration	2	
0026-0030.DARK	1200	03:35	12:18:48.7	+14:24:44	300	88	3.0	0 Calibration	2	