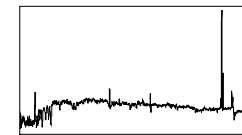


UT Date 2012-10-12 Observers H. MarionColl. Focus 1350 Grating/Grism 300

<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>
0001-0002.BIAS	0	21:10	15:09:07.5	+31:33:18	300	90	3.0	0 Calibration	2	
0003.COMP	5	21:11	15:09:07.5	+31:33:18	300	90	3.0	0 Calibration	2	
0004-0013.BIAS	0	01:36	15:09:07.5	+31:33:18	300	90	3.0	0 Calibration	2	
0014-0028.FLAT	7	01:42	15:09:07.5	+31:33:18	300	90	3.0	0 Calibration	2	
0029.COMP	10	01:54	15:09:07.5	+31:33:18	300	90	3.0	0 Calibration	2	
0030.alpLyr	1	02:06	18:36:56.2	+38:46:59	300	90	3.0	#57 Velocity S	2	

UT Date 2012-10-13 Observers H. MarionColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:11	20:08:24.1	+41:15:04	300	90	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:16	20:08:24.1	+41:15:04	300	90	3.0	0 Calibration	2	
0026.COMP	10	01:51	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0027.BDp284211	90	02:16	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0028.COMP	10	02:18	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0029.BDp174708	60	02:24	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0030.COMP	10	02:26	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0031.sn2009ip	1800	04:09	22:23:08.3	-28:56:52	300	90	3.0	#2 SN Observat	2	
0032.COMP	10	04:39	22:23:08.3	-28:56:52	300	90	3.0	0 Calibration	2	
0033.lsq12fhe	1800	04:44	21:32:09.3	-05:43:34	300	90	3.0	#2 SN Observat	2	
0034.COMP	10	05:15	21:32:09.3	-05:43:34	300	90	3.0	0 Calibration	2	
0035.ptf12gzk	1800	05:23	22:12:41.5	+00:30:43	300	90	3.0	#2 SN Observat	2	
0036.COMP	10	05:54	22:12:41.5	+00:30:43	300	90	3.0	0 Calibration	2	
0037.BDp174708	60	05:57	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0038.COMP	10	05:58	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0039.Feige110	180	06:01	23:19:58.4	-05:09:56	300	90	3.0	#56 Spectropho	2	
0040.COMP	10	06:04	23:19:58.4	-05:09:56	300	90	3.0	0 Calibration	2	
0041.EGAnd	1	06:20	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0042.COMP	10	06:21	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0043.EGAnd	5	06:21	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	

UT Date 2012-10-13 Observers H. MarionColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.COMP	10	06:22	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0045.EGAnd	10	06:23	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0046.COMP	10	06:23	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0047.ZAnd	1	06:27	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0048.COMP	10	06:28	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0049.ZAnd	5	06:29	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0050.COMP	10	06:29	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0051.ZAnd	30	06:30	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0052.COMP	10	06:31	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0053.RAqr	1	06:35	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0054.COMP	10	06:36	23:43:49.0	-15:17:05	300	90	3.0	0 Calibration	2	
0055.RAqr	5	06:36	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0056.COMP	10	06:37	23:43:49.0	-15:17:05	300	90	3.0	0 Calibration	2	
0057.RAqr	10	06:38	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0058.COMP	10	06:38	23:43:49.0	-15:17:05	300	90	3.0	0 Calibration	2	
0059.Group37	1800	06:54	00:41:28.8	-09:13:59	300	-57	3.0	#214 SDSS Comp	2	
0060.COMP	10	07:25	00:41:28.8	-09:13:59	300	-57	3.0	0 Calibration	2	
0061.Group37	1800	07:26	00:41:28.8	-09:13:59	300	-57	3.0	#214 SDSS Comp	2	
0062.COMP	10	07:56	00:41:28.8	-09:13:59	300	-57	3.0	0 Calibration	2	
0063.Group37	1800	07:57	00:41:28.8	-09:13:59	300	-57	3.0	#214 SDSS Comp	2	

UT Date 2012-10-13 Observers H. MarionColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.COMP	10	08:28	00:41:28.8	-09:13:59	300	-58	3.0	0 Calibration	2	
0065.psn0123	1800	08:36	01:23:24.4	+09:25:54	300	90	3.0	#2 SN Observat	2	
0066.COMP	10	09:06	01:23:24.4	+09:25:54	300	90	3.0	0 Calibration	2	
0067.psn0152	1800	09:16	01:52:29.7	-18:46:38	300	90	3.0	#2 SN Observat	2	
0068.COMP	10	09:47	01:52:29.7	-18:46:38	300	90	3.0	0 Calibration	2	
0069.sn2012ej	1800	10:01	06:26:51.0	+59:05:03	300	90	3.0	#2 SN Observat	2	
0070.COMP	10	10:31	06:26:51.0	+59:05:03	300	90	3.0	0 Calibration	2	
0071.HD19445	5	10:39	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0072.COMP	10	10:40	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0073.HD19445	10	10:40	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0074.COMP	10	10:41	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0075.G191B2B	240	10:45	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0076.COMP	10	10:49	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0077.psn0718	1800	10:59	07:18:56.0	+60:18:33	300	90	3.0	#2 SN Observat	2	
0078.COMP	10	11:30	07:18:56.0	+60:18:33	300	90	3.0	0 Calibration	2	
0079.psn0924	1800	11:34	09:24:38.0	+49:21:32	300	90	3.0	#2 SN Observat	2	
0080.COMP	10	12:05	09:24:38.0	+49:21:32	300	90	3.0	0 Calibration	2	
0081-0090.BIAS	0	12:27	09:24:38.0	+49:21:32	300	90	3.0	0 Calibration	2	
0091-0105.FLAT	7	12:33	09:24:38.0	+49:21:32	300	90	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	00:53	16:42:56.6	+31:31:43	300	89	3.0	0 Calibration	4	
0011-0030.BIAS	0	01:33	16:42:56.6	+31:31:43	300	89	3.0	0 Calibration	4	
0031-0050.FLAT	7	01:46	16:42:56.6	+31:31:43	300	89	3.0	0 Calibration	2	
0051-0060.BIAS	0	01:48	16:42:56.6	+31:31:43	300	89	3.0	0 Calibration	2	
0061.DracoC1	1200	01:52	17:19:58.0	+57:50:06	300	89	3.0	#12 Symbiotic	2	
0062.COMP	10	02:13	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
0063.AGDra	2	02:16	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0064.AGDra	15	02:16	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0065.AGDra	60	02:17	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0066.COMP	10	02:18	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0067.RSOph	10	02:22	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0068.RSOph	60	02:22	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0069.RSOph	150	02:23	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0070.COMP	10	02:27	17:50:13.0	-06:42:30	300	90	3.0	0 Calibration	2	
0071.YYHer	10	02:29	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0072.YYHer	60	02:30	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0073.COMP	10	02:31	18:14:34.0	+20:59:19	300	90	3.0	0 Calibration	2	
0074.AS296	45	02:34	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	
0075.AS296	20	02:37	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	
0076.AS296	120	02:38	18:15:07.0	-00:18:52	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
0077.COMP	10	02:40	18:15:07.0	-00:18:52	300	90	3.0	0 Calibration	2	
0078.Hen1674	120	02:46	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	2	
0079.Hen1674	600	02:49	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	2	row=68
0080.COMP	10	02:59	18:20:19.1	-26:22:46	300	90	3.0	0 Calibration	2	
0081.V443Her	5	03:03	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0082.V443Her	45	03:04	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0083.V443Her	90	03:05	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0084.COMP	10	03:07	18:22:07.0	+23:27:20	300	90	3.0	0 Calibration	2	
0085.AS316	30	03:10	18:42:33.0	-21:17:47	300	90	3.0	#12 Symbiotic	2	
0086.AS316	300	03:11	18:42:33.0	-21:17:47	300	90	3.0	#12 Symbiotic	2	
0087.COMP	10	03:16	18:42:33.0	-21:17:47	300	89	3.0	0 Calibration	2	
0088.AS327	30	03:19	18:53:17.0	-24:22:59	300	89	3.0	#12 Symbiotic	2	
0089.AS327	300	03:20	18:53:17.0	-24:22:59	300	89	3.0	#12 Symbiotic	2	
0090.COMP	10	03:25	18:53:17.0	-24:22:59	300	90	3.0	0 Calibration	2	
0091.AS338	90	03:28	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0092.COMP	10	03:30	19:03:47.0	+16:26:17	300	90	3.0	0 Calibration	2	
0093.V919Sgr	15	03:33	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0094.V919Sgr	30	03:34	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0095.COMP	10	03:35	19:03:45.0	-16:59:56	300	90	3.0	0 Calibration	2	
0096.BFCyg	15	03:37	19:23:53.0	+29:40:27	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
0097.BFCyg	15	03:37	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0098.COMP	10	03:38	19:23:53.0	+29:40:27	300	90	3.0	0 Calibration	2	
0099.CHCyg	1	03:40	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0100.CHCyg	5	03:40	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0101.CHCyg	30	03:40	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0102.COMP	10	03:41	19:24:33.0	+50:14:30	300	90	3.0	0 Calibration	2	
0103.AS360	60	03:43	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0104.AS360	300	03:45	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0105.COMP	10	03:50	19:45:49.0	+18:36:49	300	90	3.0	0 Calibration	2	
0106.CICyg	4	03:52	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0107.CICyg	15	03:52	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0108.COMP	10	03:53	19:50:12.0	+35:41:02	300	90	3.0	0 Calibration	2	
0109.PUVul	1	03:55	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0110.PUVul	10	03:56	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0111.PUVul	60	03:56	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0112.COMP	10	03:58	20:21:13.0	+21:34:21	300	90	3.0	0 Calibration	2	
0113.lsq12fhe	1800	04:00	21:32:09.3	-05:43:34	300	90	3.0	#2 SN Observat	2	
0114.COMP	10	04:31	21:32:09.3	-05:43:34	300	90	3.0	0 Calibration	2	
0115.sn2009ip	1800	04:33	22:23:08.3	-28:56:52	300	90	3.0	#2 SN Observat	2	
0116.COMP	10	05:05	22:23:08.3	-28:56:52	300	90	3.0	0 Calibration	2	

UT Date 2012-10-14 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0117.lsq12fhs	1800	05:07	22:52:23.5	-20:36:53	300	90	3.0	#2 SN Observat	2	
0118.lsq12fhs	1800	05:38	22:52:23.5	-20:36:53	300	90	3.0	#2 SN Observat	2	
0119.COMP	10	06:08	22:52:23.5	-20:36:53	300	90	3.0	0 Calibration	2	
0120.BDp284211	120	06:11	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0121.COMP	10	06:14	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0122.BDp174708	25	06:15	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0123.COMP	10	06:17	22:11:31.4	+18:05:34	300	91	3.0	0 Calibration	2	
0124.M31	60	06:21	00:42:44.3	+41:16:09	300	91	3.0	#57 Velocity S	2	
0125.COMP	10	06:23	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0126.ZAnd	1	06:25	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0127.ZAnd	5	06:25	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0128.ZAnd	30	06:25	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0129.COMP	10	06:26	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0130.psn0123	1800	06:29	01:23:24.4	+09:25:54	300	88	3.0	#2 SN Observat	2	
0131.COMP	10	07:00	01:23:24.4	+09:25:54	300	89	3.0	0 Calibration	2	
0132.AXPer	4	07:02	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0133.AXPer	30	07:02	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0134.AXPer	90	07:03	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0135.COMP	10	07:05	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0136.COMP	10	07:14	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	600L, 1.5 arcsec, tilt = 445



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0137.bcand986	540	07:16	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0138.bcand986	540	07:25	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0139.COMP	10	07:34	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0140.bcand986	540	07:35	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0141.bcand986	540	07:44	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0142.COMP	10	07:54	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0143.bcand986	540	07:54	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0144.bcand986	540	08:04	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0145.COMP	10	08:13	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0146.bcand986	540	08:14	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0147.bcand986	540	08:23	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0148.COMP	10	08:32	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0149.bcand986	540	08:33	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0150.bcand986	540	08:42	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0151.COMP	10	08:52	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0152.bcand986	540	08:53	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0153.bcand986	540	09:02	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0154.COMP	10	09:11	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0155.bcand986	540	09:12	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0156.bcand986	540	09:21	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	

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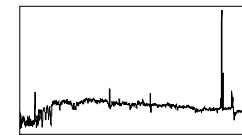
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0157.COMP	10	09:31	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0158.bcand986	540	09:32	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0159.bcand986	540	09:41	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0160.COMP	10	09:50	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0161.bcand986	540	09:51	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0162.bcand986	540	10:00	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0163.COMP	10	10:10	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0164.bcand986	540	10:12	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0165.bcand986	540	10:21	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0166.COMP	10	10:31	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0167.bcand986	540	10:32	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0168.bcand986	540	10:41	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0169.COMP	10	10:50	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0170.bcand986	540	10:51	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0171.bcand986	540	11:00	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0172.COMP	10	11:10	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0173.bcand986	540	11:11	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0174.bcand986	540	11:20	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0175.COMP	10	11:30	03:26:40.0	-06:36:05	600	90	1.5	0 Calibration	4	
0176.G191B2B	300	11:33	05:05:30.6	+52:49:52	600	89	1.5	#56 Spectropho	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>
0177.COMP	10	11:38	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0178-0187.FLAT	12	11:43	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0188.COMP	5	11:47	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	4	
0189.GITau	240	11:51	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0190.COMP	10	11:55	04:33:34.0	+24:21:18	300	90	3.0	0 Calibration	2	
0191.GKTau	240	11:56	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0192.COMP	10	12:01	04:33:34.5	+24:21:07	300	90	3.0	0 Calibration	2	
0193.sn2010j1	1800	12:06	09:42:53.3	+09:29:42	300	91	3.0	#2 SN Observat	2	
0194.COMP	10	12:37	09:42:53.3	+09:29:42	300	91	3.0	0 Calibration	2	
0195-0214.FLAT	7	12:46	09:42:53.3	+09:29:42	300	91	3.0	0 Calibration	2	
0215-0224.BIAS	0	12:48	09:42:53.3	+09:29:42	300	91	3.0	0 Calibration	2	
0225-0234.DARK	900	15:09	09:42:53.3	+09:29:42	300	91	3.0	0 Calibration	2	

UT Date 2012-10-15 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	01:12	09:42:53.3	+09:29:42	300	91	3.0	0 Calibration	4	
0006-0015.BIAS	0	01:30	09:42:53.3	+09:29:42	300	91	3.0	0 Calibration	4	
0016-0035.FLAT	12	01:45	09:42:53.3	+09:29:42	600	91	1.5	0 Calibration	4	
0036.BDp284211	90	01:55	21:51:11.0	+28:51:50	600	90	1.5	#56 Spectropho	4	
0037.COMP	10	01:57	21:51:11.0	+28:51:50	600	89	1.5	0 Calibration	4	
0038.hotwd003	1200	02:01	17:37:22.0	+66:54:54	600	89	1.5	#178 Low Mass	4	seeing could be better
0039.COMP	10	02:22	17:37:22.0	+66:54:54	600	90	1.5	0 Calibration	4	
0040.hotwd005	1500	02:23	17:48:51.1	+52:45:34	600	90	1.5	#178 Low Mass	4	
0041.COMP	10	02:49	17:48:51.1	+52:45:34	600	90	1.5	0 Calibration	4	
0042.hotwd009	1500	02:51	18:29:36.3	+20:22:00	600	90	1.5	#178 Low Mass	4	
0043.COMP	10	03:17	18:29:36.3	+20:22:00	600	90	1.5	0 Calibration	4	
0044.hotwd004	1020	03:19	17:42:43.1	+50:02:58	600	71	1.5	#178 Low Mass	4	
0045.COMP	10	03:37	17:42:43.1	+50:02:58	600	70	1.5	0 Calibration	4	
0046.hotwd012	720	03:39	18:50:29.9	+40:59:33	600	89	1.5	#178 Low Mass	4	
0047.COMP	10	03:51	18:50:29.9	+40:59:33	600	89	1.5	0 Calibration	4	
0048.hotwd013	1020	03:52	19:08:55.8	+40:14:53	600	89	1.5	#178 Low Mass	4	
0049.COMP	10	04:17	19:08:55.8	+40:14:53	600	89	1.5	0 Calibration	4	
0050.sn2009ip	1800	04:33	22:23:08.3	-28:56:52	300	89	3.0	#2 SN Observat	2	
0051.COMP	10	05:04	22:23:08.3	-28:56:52	300	90	3.0	0 Calibration	2	
0052.lsq12fhs	1800	05:06	22:52:23.5	-20:36:53	300	90	3.0	#2 SN Observat	2	

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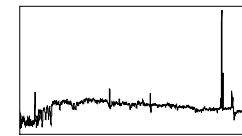
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0053.lsq12fhs	1800	05:36	22:52:23.5	-20:36:53	300	90	3.0	#2 SN Observat	2	
0054.COMP	10	06:07	22:52:23.5	-20:36:53	300	89	3.0	0 Calibration	2	
0055.BDp284211	90	06:09	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0056.BDp284211	90	06:11	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0057.COMP	10	06:13	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0058.BDp174708	45	06:15	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0059.BDp174708	45	06:16	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0060.COMP	10	06:17	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0061.Group921	1800	06:26	00:11:13.0	-10:01:41	300	43	3.0	#214 SDSS Comp	2	
0062.Group921	1800	06:56	00:11:13.0	-10:01:41	300	43	3.0	#214 SDSS Comp	2	
0063.Group921	1800	07:26	00:11:13.0	-10:01:41	300	43	3.0	#214 SDSS Comp	2	
0064.COMP	10	07:57	00:11:13.0	-10:01:41	300	43	3.0	0 Calibration	2	
0065.M31	60	07:59	00:42:44.3	+41:16:09	300	90	3.0	#57 Velocity S	2	
0066.COMP	10	08:01	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0067.psn0123	1800	08:04	01:23:24.4	+09:25:54	300	90	3.0	#2 SN Observat	2	
0068.COMP	10	08:34	01:23:24.4	+09:25:54	300	90	3.0	0 Calibration	2	
0069.Group448	1800	08:39	02:32:56.7	-00:08:44	300	5	3.0	#214 SDSS Comp	2	
0070.Group448	1800	09:09	02:32:56.7	-00:08:44	300	5	3.0	#214 SDSS Comp	2	
0071.Group448	1800	09:39	02:32:56.7	-00:08:44	300	5	3.0	#214 SDSS Comp	2	
0072.COMP	10	10:09	02:32:56.7	-00:08:44	300	5	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0073.Group504	1500	10:13	03:59:08.6	-06:45:47	300	32	3.0	#214 SDSS Comp	2	
0074.Group504	1500	10:38	03:59:08.6	-06:45:47	300	32	3.0	#214 SDSS Comp	2	
0075.Group504	1500	11:03	03:59:08.6	-06:45:47	300	32	3.0	#214 SDSS Comp	2	
0076.COMP	10	11:28	03:59:08.6	-06:45:47	300	33	3.0	0 Calibration	2	
0077.06081880+4311148	720	11:37	06:08:18.8	+43:11:15	300	90	3.0	#141 2Mass Red	2	
0078.COMP	10	11:50	06:08:18.8	+43:11:15	300	89	3.0	0 Calibration	2	
0079.SHhunt154	1800	11:54	09:46:45.2	+13:46:51	300	90	3.0	#2 SN Observat	2	
0080.COMP	10	12:24	09:46:45.2	+13:46:51	300	89	3.0	0 Calibration	2	
0081.BGGem	300	12:27	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0082.COMP	10	12:33	06:03:31.0	+27:41:50	300	89	3.0	0 Calibration	2	
0083.BXMon	15	12:34	07:25:23.0	-03:35:51	300	89	3.0	#12 Symbiotic	2	
0084.BXMon	180	12:35	07:25:23.0	-03:35:51	300	89	3.0	#12 Symbiotic	2	
0085.COMP	10	12:38	07:25:23.0	-03:35:51	300	89	3.0	0 Calibration	2	
0086-0105.FLAT	7	12:46	07:25:23.0	-03:35:51	300	89	3.0	0 Calibration	2	
0106-0125.BIAS	0	12:51	07:25:23.0	-03:35:51	300	89	3.0	0 Calibration	2	
0126-0135.DARK	900	15:10	07:25:23.0	-03:35:51	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	01:06	19:12:23.1	+31:28:53	300	89	3.0	0 Calibration	2	
0011.test	15	01:11	20:00:21.9	+32:11:23	1200	89	2.0	#176 Be/X-ray	2	
0012.test	15	01:12	20:00:21.9	+32:11:23	1200	89	2.0	#176 Be/X-ray	2	
0013.test	15	01:13	20:00:21.9	+32:11:23	1200	89	2.0	#176 Be/X-ray	2	
0014.test	15	01:14	20:00:21.9	+32:11:23	1200	89	2.0	#176 Be/X-ray	2	
0015.test	15	01:14	20:00:21.9	+32:11:23	1200	89	2.0	#176 Be/X-ray	2	
0016.FLAT	15	01:16	20:00:21.9	+32:11:23	1200	89	2.0	0 Calibration	2	
0017.FLAT	15	01:16	20:00:21.9	+32:11:23	1200	89	2.0	0 Calibration	2	1200-line, 2-sec, red tilt, gg495
0018-0030.FLAT	15	01:22	20:00:21.9	+32:11:23	1200	89	2.0	0 Calibration	2	
0031.BDp404032	180	01:52	20:08:24.1	+41:15:04	1200	89	2.0	#176 Be/X-ray	2	
0032.COMP	10	01:56	20:08:24.1	+41:15:04	1200	89	2.0	0 Calibration	2	
0033.BDp174708	90	01:58	22:11:31.5	+18:05:34	1200	89	2.0	#176 Be/X-ray	2	
0034.COMP	10	02:00	22:11:31.5	+18:05:34	1200	89	2.0	0 Calibration	2	
0035.4U1907p09	1500	02:01	19:09:38.0	+09:49:47	1200	89	2.0	#176 Be/X-ray	2	
0036.COMP	10	02:27	19:09:38.0	+09:49:47	1200	90	2.0	0 Calibration	2	
0037.XTEJ1946p274	1800	02:28	19:45:39.3	+27:21:55	1200	90	2.0	#176 Be/X-ray	2	
0038.COMP	10	02:59	19:45:39.3	+27:21:55	1200	90	2.0	0 Calibration	2	
0039.KS1947p300	1500	03:00	19:49:35.5	+30:12:32	1200	90	2.0	#176 Be/X-ray	2	
0040.COMP	10	03:26	19:49:35.5	+30:12:32	1200	90	2.0	0 Calibration	2	
0044.BDp284211	90	03:34	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	300-line, 3-sec

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0045.COMP	10	03:36	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0046.lsq12fhe	1800	03:39	21:32:09.3	-05:43:34	300	90	3.0	#2 SN Observat	2	
0047.COMP	10	04:09	21:32:09.3	-05:43:34	300	90	3.0	0 Calibration	2	
0048.sn2009ip	1500	04:12	22:23:08.3	-28:56:52	300	90	3.0	#2 SN Observat	2	
0049.COMP	10	04:37	22:23:08.3	-28:56:52	300	89	3.0	0 Calibration	2	
0050-0054.FLAT	7	04:41	23:20:00.0	+30:00:00	300	89	3.0	0 Calibration	2	
0055.BDp284211	120	05:14	21:51:11.1	+28:51:53	1200	90	1.5	#176 Be/X-ray	2	1200-line, 1.5-sec, blue tilt
0056.COMP	20	05:16	21:51:11.1	+28:51:53	1200	90	1.5	0 Calibration	2	
0057.IGRJ2134.2p4738	900	05:19	21:34:20.4	+47:38:00	1200	90	1.5	#176 Be/X-ray	2	
0058.COMP	20	05:34	21:34:20.4	+47:38:00	1200	90	1.5	0 Calibration	2	
0059.IGRJ2134.2p4738	900	05:35	21:34:20.4	+47:38:00	1200	90	1.5	#176 Be/X-ray	2	
0060.COMP	20	05:50	21:34:20.4	+47:38:00	1200	90	1.5	0 Calibration	2	
0061.IGRJ2134.2p4738	900	05:51	21:34:20.4	+47:38:00	1200	90	1.5	#176 Be/X-ray	2	
0062.COMP	20	06:07	21:34:20.4	+47:38:00	1200	90	1.5	0 Calibration	2	
0063.IGRJ2134.2p4738	900	06:08	21:34:20.4	+47:38:00	1200	90	1.5	#176 Be/X-ray	2	
0064.COMP	20	06:23	21:34:20.4	+47:38:00	1200	90	1.5	0 Calibration	2	
0065.IGRJ2134.2p4738	900	06:24	21:34:20.4	+47:38:00	1200	90	1.5	#176 Be/X-ray	2	
0066.COMP	20	06:40	21:34:20.4	+47:38:00	1200	89	1.5	0 Calibration	2	
0067-0071.FLAT	100	06:58	01:10:00.0	+32:00:00	1200	89	1.5	0 Calibration	2	
0072.4U2204p543	120	07:06	22:07:57.0	+54:31:06	1200	89	2.0	#176 Be/X-ray	2	1200-line, 2-sec, red tilt, gg495



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0073.COMP	10	07:08	22:07:57.0	+54:31:06	1200	89	2.0	0 Calibration	2	
0074.IGRJ2134.2p4738	1800	07:09	21:34:20.4	+47:38:00	1200	89	2.0	#176 Be/X-ray	2	
0075.COMP	10	07:40	21:34:20.4	+47:38:00	1200	90	2.0	0 Calibration	2	
0076.4U0115p634	1500	07:42	01:18:32.0	+63:44:33	1200	90	2.0	#176 Be/X-ray	2	
0077.COMP	10	08:07	01:18:32.0	+63:44:33	1200	90	2.0	0 Calibration	2	
0078.IGRJ01363p6610	480	08:08	01:35:49.8	+66:12:43	1200	90	2.0	#176 Be/X-ray	2	
0079.COMP	10	08:17	01:35:49.8	+66:12:43	1200	89	2.0	0 Calibration	2	
0080.RXJ01469p6121	240	08:18	01:47:00.0	+61:21:23	1200	89	2.0	#176 Be/X-ray	2	
0081.COMP	10	08:23	01:47:00.0	+61:21:23	1200	89	2.0	0 Calibration	2	
0082.IGRJ01583p6713	1500	08:24	01:58:18.2	+67:13:26	1200	89	2.0	#176 Be/X-ray	2	
0083.COMP	10	08:49	01:58:18.2	+67:13:26	1200	90	2.0	0 Calibration	2	
0084.LSIp61303	120	08:51	02:40:31.6	+61:13:46	1200	90	2.0	#176 Be/X-ray	2	
0085.COMP	10	08:53	02:40:31.6	+61:13:46	1200	90	2.0	0 Calibration	2	
0086.V0332p53	1800	08:54	03:34:59.8	+53:10:24	1200	90	2.0	#176 Be/X-ray	2	
0087.COMP	10	09:25	03:34:59.8	+53:10:24	1200	89	2.0	0 Calibration	2	
0088.XPer	4	09:26	03:55:23.0	+31:02:45	1200	89	2.0	#176 Be/X-ray	2	
0089.XPer	4	09:27	03:55:23.0	+31:02:45	1200	89	2.0	#176 Be/X-ray	2	
0090.COMP	10	09:27	03:55:23.0	+31:02:45	1200	89	2.0	0 Calibration	2	
0091.RXJ04409p4431	300	09:28	04:41:00.6	+44:31:50	1200	90	2.0	#176 Be/X-ray	2	
0092.COMP	10	09:33	04:41:00.6	+44:31:50	1200	90	2.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0093.A0535p262	60	09:35	05:38:54.5	+26:18:57	1200	90	2.0	#176 Be/X-ray	2	
0094.COMP	10	09:36	05:38:54.5	+26:18:57	1200	90	2.0	0 Calibration	2	
0095.IGRJ06074p2205	600	09:50	06:07:26.6	+22:05:48	1200	89	2.0	#176 Be/X-ray	2	
0096.COMP	10	10:00	06:07:26.6	+22:05:48	1200	89	2.0	0 Calibration	2	
0097.MXB0656-072	600	10:03	06:58:17.2	-07:12:35	1200	89	2.0	#176 Be/X-ray	2	
0098.COMP	10	10:13	06:58:17.2	-07:12:35	1200	90	2.0	0 Calibration	2	
0099-0103.FLAT	15	10:16	05:00:00.0	+32:00:00	1200	90	2.0	0 Calibration	2	
0104.test	10	10:20	05:00:00.0	+32:00:00	300	90	3.0	#176 Be/X-ray	2	
0105.test	10	10:22	05:00:00.0	+32:00:00	300	90	3.0	#176 Be/X-ray	2	
0106.02231510+4243532	360	10:24	02:23:15.1	+42:43:53	300	90	3.0	#141 2Mass Red	2	
0107.COMP	10	10:30	02:23:15.1	+42:43:53	300	91	3.0	0 Calibration	2	
0108.02233749+4303307	420	10:32	02:23:37.5	+43:03:31	300	91	3.0	#141 2Mass Red	2	
0109.COMP	10	10:40	02:23:37.5	+43:03:31	300	90	3.0	0 Calibration	2	
0110.02244256+4757511	900	10:41	02:24:42.6	+47:57:51	300	90	3.0	#141 2Mass Red	2	
0111.COMP	10	10:56	02:24:42.6	+47:57:51	300	90	3.0	0 Calibration	2	
0112.02250957+4246335	360	10:58	02:25:09.6	+42:46:34	300	90	3.0	#141 2Mass Red	2	
0113.COMP	10	11:05	02:25:09.6	+42:46:34	300	90	3.0	0 Calibration	2	
0114.02381758+4028161	720	11:06	02:38:17.6	+40:28:16	300	90	3.0	#141 2Mass Red	2	
0115.COMP	10	11:19	02:38:17.6	+40:28:16	300	90	3.0	0 Calibration	2	
0116.02421257+3543570	360	11:20	02:42:12.6	+35:43:57	300	90	3.0	#141 2Mass Red	2	

UT Date 2012-10-16 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0117.COMP	10	11:26	02:42:12.6	+35:43:57	300	90	3.0	0 Calibration	2	
0118.03050558+4403167	900	11:28	03:05:05.6	+44:03:17	300	90	3.0	#141 2Mass Red	2	
0119.COMP	10	11:43	03:05:05.6	+44:03:17	300	90	3.0	0 Calibration	2	
0120.03052855+3347369	900	11:45	03:05:28.6	+33:47:37	300	90	3.0	#141 2Mass Red	2	
0121.COMP	10	12:00	03:05:28.6	+33:47:37	300	90	3.0	0 Calibration	2	
0122.03111197+3541226	360	12:02	03:11:12.0	+35:41:23	300	90	3.0	#141 2Mass Red	2	
0123.COMP	10	12:08	03:11:12.0	+35:41:23	300	90	3.0	0 Calibration	2	
0124.03111379+2009113	900	12:10	03:11:13.8	+20:09:11	300	90	3.0	#141 2Mass Red	2	
0125.COMP	10	12:26	03:11:13.8	+20:09:11	300	90	3.0	0 Calibration	2	
0126.Hiltner600	90	12:28	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0127.COMP	10	12:30	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0128-0137.BIAS	0	12:34	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0138-0152.FLAT	7	12:40	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0153-0157.DARK	1200	14:11	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	

UT Date 2012-10-17 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:11	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:16	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0026.COMP	10	01:22	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0027.DARK	1200	01:23	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0028.AS289	71	01:48	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0029.AS289	600	01:52	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0030.COMP	10	02:03	18:12:22.0	-11:40:08	300	90	3.0	0 Calibration	2	
0031.AS270	90	02:04	18:05:33.7	-20:20:38	300	90	3.0	#12 Symbiotic	2	
0032.AS270	390	02:06	18:05:33.7	-20:20:38	300	90	3.0	#12 Symbiotic	2	
0033.COMP	10	02:13	18:05:33.7	-20:20:38	300	90	3.0	0 Calibration	2	
0034.lsq12fhe	1800	02:15	21:32:09.3	-05:43:34	300	90	3.0	#2 SN Observat	2	
0035.COMP	10	02:46	21:32:09.3	-05:43:34	300	90	3.0	0 Calibration	2	
0036.BDp284211	120	02:48	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0037.COMP	10	02:50	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0038.BDp174708	90	02:51	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0039.COMP	10	02:53	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0040.IPHAS_W2928	511	02:54	20:00:52.4	+30:33:21	300	90	3.0	#157 IPHAS	2	
0041.COMP	10	03:03	20:00:52.4	+30:33:21	300	90	3.0	0 Calibration	2	
0042.IPHAS_W2974	600	03:05	20:04:02.9	+37:41:37	300	90	3.0	#157 IPHAS	2	
0043.COMP	10	03:15	20:04:02.9	+37:41:37	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
0044.IPHAS_W2991	667	03:16	20:05:01.2	+32:38:41	300	90	3.0	#157 IPHAS	2	
0045.COMP	10	03:28	20:05:01.2	+32:38:41	300	89	3.0	0 Calibration	2	
0046.IPHAS_W3019	660	03:29	20:06:00.3	+35:44:56	300	89	3.0	#157 IPHAS	2	
0047.COMP	10	03:41	20:06:00.3	+35:44:56	300	90	3.0	0 Calibration	2	
0048.IPHAS_W3032	331	03:42	20:07:02.2	+27:30:27	300	90	3.0	#157 IPHAS	2	
0049.COMP	10	03:48	20:07:02.2	+27:30:27	300	90	3.0	0 Calibration	2	
0050.sn2009ip	1602	03:50	22:23:08.3	-28:56:52	300	90	3.0	#2 SN Observat	2	
0051.COMP	10	04:18	22:23:08.3	-28:56:52	300	90	3.0	0 Calibration	2	
0052.IPHAS_W3024	720	04:21	20:06:39.1	+30:12:54	300	90	3.0	#157 IPHAS	2	
0053.COMP	10	04:33	20:06:39.1	+30:12:54	300	90	3.0	0 Calibration	2	
0054.IPHAS_W3037	720	04:35	20:07:17.2	+39:19:57	300	90	3.0	#157 IPHAS	2	
0055.COMP	10	04:47	20:07:17.2	+39:19:57	300	89	3.0	0 Calibration	2	
0056.IPHAS_W3056	360	04:48	20:08:40.3	+35:18:09	300	89	3.0	#157 IPHAS	2	
0057.COMP	10	04:55	20:08:40.3	+35:18:09	300	90	3.0	0 Calibration	2	
0058.IPHAS_W3774	900	04:58	21:28:22.5	+48:32:01	300	90	3.0	#157 IPHAS	2	
0059.COMP	10	05:13	21:28:22.5	+48:32:01	300	90	3.0	0 Calibration	2	
0060.IPHAS_W3636	360	05:14	21:09:52.8	+45:52:39	300	90	3.0	#157 IPHAS	2	
0061.COMP	10	05:21	21:09:52.8	+45:52:39	300	90	3.0	0 Calibration	2	
0062.IPHAS_W3638	660	05:22	21:10:17.3	+49:18:28	300	90	3.0	#157 IPHAS	2	
0063.COMP	10	05:33	21:10:17.3	+49:18:28	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
0064.IPHAS_W3642	300	05:35	21:10:45.6	+46:51:29	300	89	3.0	#157 IPHAS	2	
0065.COMP	10	05:40	21:10:45.6	+46:51:29	300	89	3.0	0 Calibration	2	
0066.IPHAS_W3648	600	05:41	21:11:34.5	+44:17:55	300	90	3.0	#157 IPHAS	2	
0067.COMP	10	05:52	21:11:34.5	+44:17:55	300	90	3.0	0 Calibration	2	
0068.IPHAS_W3657	900	05:53	21:13:18.7	+50:45:16	300	90	3.0	#157 IPHAS	2	
0069.COMP	10	06:09	21:13:18.7	+50:45:16	300	90	3.0	0 Calibration	2	
0070.IPHAS_W3666	540	06:09	21:15:48.3	+53:21:57	300	90	3.0	#157 IPHAS	2	
0071.COMP	10	06:19	21:15:48.3	+53:21:57	300	90	3.0	0 Calibration	2	
0072.IPHAS_W3672	900	06:20	21:16:03.7	+48:33:08	300	90	3.0	#157 IPHAS	2	
0073.COMP	10	06:36	21:16:03.7	+48:33:08	300	90	3.0	0 Calibration	2	
0074.03242414+1446378	1800	08:29	03:24:24.1	+14:46:38	300	90	3.0	#141 2Mass Red	2	
0075.COMP	10	09:00	03:24:24.1	+14:46:38	300	89	3.0	0 Calibration	2	
0076.03244836+1951555	1800	09:01	03:24:48.4	+19:51:56	300	89	3.0	#141 2Mass Red	2	
0077.COMP	10	09:31	03:24:48.4	+19:51:56	300	89	3.0	0 Calibration	2	
0078.03290549+3247443	1200	09:33	03:29:05.5	+32:47:44	300	89	3.0	#141 2Mass Red	2	
0079.COMP	10	09:53	03:29:05.5	+32:47:44	300	89	3.0	0 Calibration	2	
0080.03140395+1020388	900	09:55	03:14:03.9	+10:20:39	300	89	3.0	#141 2Mass Red	2	
0081.COMP	10	10:11	03:14:03.9	+10:20:39	300	89	3.0	0 Calibration	2	
0082.03174449+1039306	1136	10:12	03:17:44.5	+10:39:31	300	89	3.0	#141 2Mass Red	2	
0083.COMP	10	10:32	03:17:44.5	+10:39:31	300	89	3.0	0 Calibration	2	

UT Date 2012-10-17 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.03355726+4221249	977	10:34	03:35:57.3	+42:21:25	300	89	3.0	#141 2Mass Red	2	
0085.COMP	10	10:50	03:35:57.3	+42:21:25	300	89	3.0	0 Calibration	2	
0086.03360720+3239475	1200	10:52	03:36:07.2	+32:39:47	300	89	3.0	#141 2Mass Red	2	
0087.COMP	10	11:12	03:36:07.2	+32:39:47	300	89	3.0	0 Calibration	2	
0088.03375371+1651273	900	11:21	03:37:53.7	+16:51:27	300	89	3.0	#141 2Mass Red	2	
0089.COMP	10	11:36	03:37:53.7	+16:51:27	300	90	3.0	0 Calibration	2	
0090.03381510+2300164	721	11:37	03:38:15.1	+23:00:16	300	90	3.0	#141 2Mass Red	2	
0091.COMP	10	11:50	03:38:15.1	+23:00:16	300	90	3.0	0 Calibration	2	
0092.03391802+1424548	720	11:52	03:39:18.0	+14:24:55	300	90	3.0	#141 2Mass Red	2	
0093.COMP	10	12:04	03:39:18.0	+14:24:55	300	89	3.0	0 Calibration	2	
0094.Hiltner600	90	12:06	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0095.COMP	10	12:08	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0096.NGC1700	240	12:10	04:56:56.3	-04:51:57	300	90	3.0	#57 Velocity S	2	
0097.COMP	10	12:14	04:56:56.3	-04:51:57	300	90	3.0	0 Calibration	2	
0098.HD52071	5	12:16	07:00:58.2	+27:09:27	300	90	3.0	#57 Velocity S	2	
0099.HD52071	5	12:16	07:00:58.2	+27:09:27	300	90	3.0	#57 Velocity S	2	
0100.HD52071	5	12:16	07:00:58.2	+27:09:27	300	90	3.0	#57 Velocity S	2	
0101.COMP	10	12:17	07:00:58.2	+27:09:27	300	90	3.0	0 Calibration	2	
0102-0111.BIAS	0	12:20	07:00:58.2	+27:09:27	300	90	3.0	0 Calibration	2	
0112-0126.FLAT	7	12:26	07:00:58.2	+27:09:27	300	90	3.0	0 Calibration	2	

UT Date 2012-10-17 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>
0127-0131.DARK	1200	13:54	07:00:58.2	+27:09:27	300	90	3.0	0 Calibration	2	



UT Date 2012-10-19 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:56	20:21:50.1	+31:27:43	300	89	3.0	0 Calibration	4	
0011-0030.FLAT	7	02:03	20:21:50.1	+31:27:43	300	89	3.0	0 Calibration	2	
0031-0040.BIAS	0	02:06	20:21:50.1	+31:27:43	300	89	3.0	0 Calibration	2	
0041.BDp284211	120	03:01	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0042.COMP	10	03:04	21:51:11.0	+28:51:50	300	87	3.0	0 Calibration	2	
0043.BDp174708	40	03:06	22:11:31.4	+18:05:34	300	87	3.0	#56 Spectropho	2	
0044.COMP	10	03:07	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0045.20132279+5151502	1500	03:09	20:13:22.8	+51:51:50	300	89	3.0	#141 2Mass Red	2	clouds came thru, try again...
0046.COMP	10	03:35	20:13:22.8	+51:51:50	300	89	3.0	0 Calibration	2	
0047.20132279+5151502	1500	03:36	20:13:22.8	+51:51:50	300	89	3.0	#141 2Mass Red	2	
0048.COMP	10	04:02	20:13:22.8	+51:51:50	300	89	3.0	0 Calibration	2	
0049.03194206+1117169	1200	08:46	03:19:42.1	+11:17:17	300	89	3.0	#141 2Mass Red	2	
0050.COMP	10	09:07	03:19:42.1	+11:17:17	300	87	3.0	0 Calibration	2	
0051.03440869+4013206	1020	10:23	03:44:08.7	+40:13:21	300	89	3.0	#141 2Mass Red	2	
0052.COMP	10	10:41	03:44:08.7	+40:13:21	300	86	3.0	0 Calibration	2	
0053-0057.DARK	900	13:30	03:44:08.7	+40:13:21	300	86	3.0	0 Calibration	4	
0058-0062.DARK	900	14:46	03:44:08.7	+40:13:21	300	86	3.0	0 Calibration	2	

UT Date 2012-10-20 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	01:51	03:44:08.7	+40:13:21	300	86	3.0	0 Calibration	4	
0011-0020.BIAS	0	02:32	03:44:08.7	+40:13:21	300	86	3.0	0 Calibration	4	
0021-0040.FLAT	7	02:41	03:44:08.7	+40:13:21	300	86	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:45	03:44:08.7	+40:13:21	300	86	3.0	0 Calibration	2	
0051.BDp284211	120	04:05	21:51:11.0	+28:51:50	300	86	3.0	#56 Spectropho	2	
0052.COMP	10	04:08	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0053.BDp174708	45	04:10	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0054.COMP	10	04:12	22:11:31.4	+18:05:34	300	88	3.0	0 Calibration	2	
0055.lsq12fhe	1800	04:15	21:32:09.3	-05:43:34	300	88	3.0	#2 SN Observat	2	
0056.COMP	10	04:46	21:32:09.3	-05:43:34	300	90	3.0	0 Calibration	2	
0057.sn2009ip	1500	04:49	22:23:08.3	-28:56:52	300	90	3.0	#2 SN Observat	2	
0058.COMP	10	05:15	22:23:08.3	-28:56:52	300	90	3.0	0 Calibration	2	
0059.ptf12gzk	1800	05:19	22:12:41.5	+00:30:43	300	90	3.0	#2 SN Observat	2	
0060.COMP	10	05:49	22:12:41.5	+00:30:43	300	90	3.0	0 Calibration	2	
0061.psn0123	1800	05:53	01:23:24.4	+09:25:54	300	90	3.0	#2 SN Observat	2	
0062.COMP	10	06:23	01:23:24.4	+09:25:54	300	90	3.0	0 Calibration	2	
0063.Group575	1800	06:27	01:46:33.2	-08:21:14	300	109	3.0	#214 SDSS Comp	2	
0064.Group575	1800	06:57	01:46:33.2	-08:21:14	300	109	3.0	#214 SDSS Comp	2	
0065.Group575	1800	07:27	01:46:33.2	-08:21:14	300	109	3.0	#214 SDSS Comp	2	
0066.COMP	10	07:59	01:46:33.2	-08:21:14	300	110	3.0	0 Calibration	2	

UT Date 2012-10-20 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

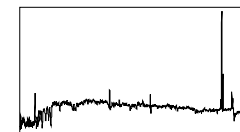
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.M31	60	08:01	00:42:44.3	+41:16:09	300	90	3.0	#57 Velocity S	2	
0068.COMP	10	08:04	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0069.02594211+3602171	1800	08:07	02:59:42.1	+36:02:17	300	89	3.0	#141 2Mass Red	2	
0070.02594211+3602171	1800	08:37	02:59:42.1	+36:02:17	300	89	3.0	#141 2Mass Red	2	
0071.COMP	10	09:08	02:59:42.1	+36:02:17	300	90	3.0	0 Calibration	2	
0072.03203973+1115059	1800	09:09	03:20:39.7	+11:15:06	300	90	3.0	#141 2Mass Red	2	
0073.COMP	10	09:40	03:20:39.7	+11:15:06	300	89	3.0	0 Calibration	2	
0074.03225476+1209218	1800	09:41	03:22:54.8	+12:09:22	300	90	3.0	#141 2Mass Red	2	
0075.COMP	10	10:12	03:22:54.8	+12:09:22	300	90	3.0	0 Calibration	2	
0076.03212745+3046206	1800	10:16	03:21:27.5	+30:46:21	300	90	3.0	#141 2Mass Red	2	
0077.COMP	10	10:46	03:21:27.5	+30:46:21	300	90	3.0	0 Calibration	2	
0078.03281458+3029543	1200	10:49	03:28:14.6	+30:29:54	300	90	3.0	#141 2Mass Red	2	
0079.03281458+3029543	1200	11:09	03:28:14.6	+30:29:54	300	90	3.0	#141 2Mass Red	2	
0080.03281458+3029543	1200	11:29	03:28:14.6	+30:29:54	300	90	3.0	#141 2Mass Red	2	
0081.COMP	10	11:49	03:28:14.6	+30:29:54	300	90	3.0	0 Calibration	2	
0082.GITau	240	11:51	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0083.COMP	10	11:56	04:33:34.0	+24:21:18	300	90	3.0	0 Calibration	2	
0084.GKTau	240	11:57	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0085.COMP	10	12:01	04:33:34.5	+24:21:07	300	90	3.0	0 Calibration	2	
0086.BGGem	300	12:03	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	

UT Date 2012-10-20 Observers M CalkinsColl. 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>
0087.COMP	10	12:09	06:03:31.0	+27:41:50	300	90	3.0	0 Calibration	2	
0088.sn2010j1	1800	12:11	09:42:53.3	+09:29:42	300	90	3.0	#2 SN Observat	2	
0089.COMP	10	12:41	09:42:53.3	+09:29:42	300	90	3.0	0 Calibration	2	
0090-0099.BIAS	0	12:45	09:42:53.3	+09:29:42	300	90	3.0	0 Calibration	2	
0100-0119.FLAT	7	12:52	09:42:53.3	+09:29:42	300	90	3.0	0 Calibration	2	
0120-0129.DARK	900	15:11	09:42:53.3	+09:29:42	300	90	3.0	0 Calibration	2	

UT Date 2012-10-21 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0009.DARK	900	01:18	09:42:53.3	+09:29:42	300	90	3.0	0 Calibration	4	
0010-0020.BIAS	0	01:46	09:42:53.3	+09:29:42	600	90	1.5	0 Calibration	4	
0021-0030.FLAT	12	01:50	09:42:53.3	+09:29:42	600	90	1.5	0 Calibration	4	
0031.hotwd006	1020	01:55	17:52:32.2	+25:53:06	600	90	1.5	#178 Low Mass	4	
0032.COMP	10	02:12	17:52:32.2	+25:53:06	600	90	1.5	0 Calibration	4	
0033.lmwd483	1380	02:15	21:51:59.2	+16:14:49	600	90	1.5	#178 Low Mass	4	
0034.COMP	10	02:39	21:51:59.2	+16:14:49	600	90	1.5	0 Calibration	4	
0035.lmwd483	1380	02:40	21:51:59.2	+16:14:49	600	90	1.5	#178 Low Mass	4	
0036.COMP	10	03:03	21:51:59.2	+16:14:49	600	90	1.5	0 Calibration	4	
0037.lmwd483	1380	03:04	21:51:59.2	+16:14:49	600	90	1.5	#178 Low Mass	4	
0038.COMP	10	03:27	21:51:59.2	+16:14:49	600	90	1.5	0 Calibration	4	
0039.lmwd483	1380	03:28	21:51:59.2	+16:14:49	600	90	1.5	#178 Low Mass	4	
0040.COMP	10	03:52	21:51:59.2	+16:14:49	600	88	1.5	0 Calibration	4	
0041.lmwd483	1380	03:52	21:51:59.2	+16:14:49	600	88	1.5	#178 Low Mass	4	
0042.COMP	10	04:16	21:51:59.2	+16:14:49	600	89	1.5	0 Calibration	4	
0043.lmwd483	1380	04:17	21:51:59.2	+16:14:49	600	89	1.5	#178 Low Mass	4	
0044.COMP	10	04:41	21:51:59.2	+16:14:49	600	89	1.5	0 Calibration	4	
0045.lmwd483	1380	04:41	21:51:59.2	+16:14:49	600	89	1.5	#178 Low Mass	4	
0046.COMP	10	05:05	21:51:59.2	+16:14:49	600	90	1.5	0 Calibration	4	
0047.BDp284211	120	05:07	21:51:11.0	+28:51:50	600	90	1.5	#56 Spectropho	4	

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0048.COMP	10	05:09	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0049.BDp284211	90	05:17	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0050.COMP	10	05:19	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0051.lsq12fhe	1800	05:22	21:32:09.3	-05:43:34	300	89	3.0	#2 SN Observat	2	
0052.COMP	10	05:52	21:32:09.3	-05:43:34	300	90	3.0	0 Calibration	2	
0053.sn2009ip	1500	05:54	22:23:08.3	-28:56:52	300	90	3.0	#2 SN Observat	2	
0054.COMP	10	06:19	22:23:08.3	-28:56:52	300	89	3.0	0 Calibration	2	
0055.ptf12gzk	1800	06:21	22:12:41.5	+00:30:43	300	95	3.0	#2 SN Observat	2	
0056.COMP	10	06:52	22:12:41.5	+00:30:43	300	95	3.0	0 Calibration	2	
0057.BDp174708	45	06:54	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0058.COMP	10	06:55	22:11:31.4	+18:05:34	300	91	3.0	0 Calibration	2	
0059.Group1586	2400	07:02	00:13:18.4	-10:52:25	300	-38	3.0	#214 SDSS Comp	2	
0060.Group1586	2400	07:42	00:13:18.4	-10:52:25	300	-38	3.0	#214 SDSS Comp	2	
0061.Group1586	2400	08:22	00:13:18.4	-10:52:25	300	-38	3.0	#214 SDSS Comp	2	
0062.COMP	10	09:03	00:13:18.4	-10:52:25	300	-38	3.0	0 Calibration	2	
0063.psn0123	1800	09:05	01:23:24.4	+09:25:54	300	90	3.0	#2 SN Observat	2	
0064.COMP	10	09:36	01:23:24.4	+09:25:54	300	90	3.0	0 Calibration	2	
0065.03283539+7051278	1800	09:39	03:28:35.4	+70:51:28	300	71	3.0	#141 2Mass Red	2	
0066.COMP	10	10:09	03:28:35.4	+70:51:28	300	71	3.0	0 Calibration	2	
0067.03354447+7034185	1200	10:13	03:35:44.5	+70:34:19	300	50	3.0	#141 2Mass Red	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.COMP	10	10:40	03:35:44.5	+70:34:19	300	50	3.0	0 Calibration	2	
0069.03383078+3150498	1800	10:42	03:38:30.8	+31:50:50	300	90	3.0	#141 2Mass Red	2	
0070.COMP	10	11:13	03:38:30.8	+31:50:50	300	90	3.0	0 Calibration	2	
0071.03384965+1332507	1800	11:15	03:38:49.7	+13:32:51	300	90	3.0	#141 2Mass Red	2	
0072.COMP	10	11:45	03:38:49.7	+13:32:51	300	90	3.0	0 Calibration	2	
0073.sn2010j1	1800	11:49	09:42:53.3	+09:29:42	300	90	3.0	#2 SN Observat	2	
0074.COMP	10	12:19	09:42:53.3	+09:29:42	300	90	3.0	0 Calibration	2	
0075.BXMon	15	12:21	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0076.BXMon	180	12:22	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0077.COMP	10	12:26	07:25:23.0	-03:35:51	300	90	3.0	0 Calibration	2	
0078.SS129	300	12:29	07:32:45.0	-26:49:16	300	65	3.0	#12 Symbiotic	2	
0079.SS129	300	12:34	07:32:45.0	-26:49:16	300	65	3.0	#12 Symbiotic	2	
0080.COMP	10	12:40	07:32:45.0	-26:49:16	300	66	3.0	0 Calibration	2	
0081-0100.FLAT	7	12:51	07:32:45.0	-26:49:16	300	90	3.0	0 Calibration	2	
0101-0110.BIAS	0	12:54	07:32:45.0	-26:49:16	300	90	3.0	0 Calibration	2	
0111-0120.DARK	900	15:16	07:32:45.0	-26:49:16	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	01:11	07:32:45.0	-26:49:16	300	90	3.0	0 Calibration	4	
0006-0015.BIAS	0	01:27	07:32:45.0	-26:49:16	300	90	3.0	0 Calibration	4	
0017-0036.FLAT	7	01:38	20:11:26.6	+31:27:52	300	89	3.0	0 Calibration	2	
0037-0046.BIAS	0	01:41	20:11:26.6	+31:27:52	300	89	3.0	0 Calibration	2	
0047.Hen1341	12	01:48	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0048.Hen1341	30	01:48	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0049.Hen1341	60	01:49	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0050.COMP	10	01:50	17:08:36.0	-17:26:30	300	90	3.0	0 Calibration	2	
0051.DracoC1	1200	01:53	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	2	
0052.COMP	10	02:14	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
0053.Hen1591	120	02:18	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0054.Hen1591	300	02:20	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0055.COMP	10	02:26	18:07:32.0	-25:53:43	300	90	3.0	0 Calibration	2	
0056.AS281	60	02:27	18:10:44.0	-27:57:57	300	90	3.0	#12 Symbiotic	2	
0057.AS281	360	02:28	18:10:44.0	-27:57:57	300	90	3.0	#12 Symbiotic	2	
0058.COMP	10	02:34	18:10:44.0	-27:57:57	300	90	3.0	0 Calibration	2	
0059.AS289	15	02:36	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0060.AS289	420	02:37	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0061.COMP	10	02:44	18:12:22.0	-11:40:08	300	90	3.0	0 Calibration	2	
0062.AS296	120	02:46	18:15:07.0	-00:18:52	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
0063.AS296	15	02:49	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	
0064.COMP	10	02:50	18:15:07.0	-00:18:52	300	90	3.0	0 Calibration	2	
0065.V919Sgr	15	02:51	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0066.V919Sgr	30	02:51	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0067.COMP	10	02:52	19:03:45.0	-16:59:56	300	89	3.0	0 Calibration	2	
0068.YYHer	10	02:54	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	
0069.YYHer	60	02:55	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	
0070.COMP	10	02:56	18:14:34.0	+20:59:19	300	89	3.0	0 Calibration	2	
0071.BFCyg	15	02:57	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0072.BFCyg	15	02:58	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0073.COMP	10	03:00	19:23:53.0	+29:40:27	300	89	3.0	0 Calibration	2	
0074.AS338	90	03:02	19:03:47.0	+16:26:17	300	89	3.0	#12 Symbiotic	2	
0075.COMP	10	03:04	19:03:47.0	+16:26:17	300	89	3.0	0 Calibration	2	
0076.CHCyg	1	03:06	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0077.CHCyg	5	03:06	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0078.CHCyg	30	03:07	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0079.COMP	10	03:08	19:24:33.0	+50:14:30	300	89	3.0	0 Calibration	2	
0080.AS360	60	03:10	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0081.AS360	300	03:11	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0082.COMP	10	03:17	19:45:49.0	+18:36:49	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
0083.AS360	4	03:18	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0084.AS360	15	03:18	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0085.COMP	10	03:19	19:45:49.0	+18:36:49	300	89	3.0	0 Calibration	2	
0086.PUVu1	1	03:20	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0087.PUVu1	10	03:20	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0088.PUVu1	60	03:21	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0089.COMP	10	03:22	20:21:13.0	+21:34:21	300	89	3.0	0 Calibration	2	
0090.sn2009ip	1500	03:25	22:23:08.3	-28:56:52	300	89	3.0	#2 SN Observat	2	
0091.COMP	10	03:52	22:23:08.3	-28:56:52	300	89	3.0	0 Calibration	2	
0092.lsq12fhe	1800	03:54	21:32:09.3	-05:43:34	300	89	3.0	#2 SN Observat	2	
0093.COMP	10	04:25	21:32:09.3	-05:43:34	300	89	3.0	0 Calibration	2	
0094.BDp284211	120	04:27	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0095.COMP	10	04:29	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0096.BDp174708	45	04:31	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0097.COMP	10	04:32	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0098.M31	60	04:34	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0099.COMP	10	04:35	00:42:44.3	+41:16:09	300	89	3.0	0 Calibration	2	
0100.bcand948	990	04:41	22:22:36.3	-08:28:08	600	99	1.5	#178 Low Mass	4	
0101.COMP	10	05:00	22:22:36.3	-08:28:08	600	99	1.5	0 Calibration	4	
0102.bcand948	990	05:00	22:22:36.3	-08:28:08	600	99	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0103.COMP	10	05:17	22:22:36.3	-08:28:08	600	100	1.5	0 Calibration	4	
0104.bcand948	990	05:18	22:22:36.3	-08:28:08	600	100	1.5	#178 Low Mass	4	
0105.COMP	10	05:35	22:22:36.3	-08:28:08	600	99	1.5	0 Calibration	4	
0106.bcand948	990	05:36	22:22:36.3	-08:28:08	600	99	1.5	#178 Low Mass	4	
0107.COMP	10	05:53	22:22:36.3	-08:28:08	600	100	1.5	0 Calibration	4	
0108.bcand948	990	05:54	22:22:36.3	-08:28:08	600	100	1.5	#178 Low Mass	4	
0109.COMP	10	06:11	22:22:36.3	-08:28:08	600	100	1.5	0 Calibration	4	
0110.bcand948	990	06:12	22:22:36.3	-08:28:08	600	100	1.5	#178 Low Mass	4	
0111.COMP	10	06:29	22:22:36.3	-08:28:08	600	99	1.5	0 Calibration	4	
0112.bcand948	990	06:30	22:22:36.3	-08:28:08	600	99	1.5	#178 Low Mass	4	
0113.COMP	10	06:47	22:22:36.3	-08:28:08	600	99	1.5	0 Calibration	4	
0114.bcand948	990	06:48	22:22:36.3	-08:28:08	600	99	1.5	#178 Low Mass	4	
0115.COMP	10	07:05	22:22:36.3	-08:28:08	600	99	1.5	0 Calibration	4	
0116.bcand948	990	07:06	22:22:36.3	-08:28:08	600	99	1.5	#178 Low Mass	4	
0117.COMP	10	07:23	22:22:36.3	-08:28:08	600	100	1.5	0 Calibration	4	
0118.bcand948	990	07:24	22:22:36.3	-08:28:08	600	100	1.5	#178 Low Mass	4	
0119.COMP	10	07:41	22:22:36.3	-08:28:08	600	100	1.5	0 Calibration	4	
0120.bcand948	990	07:41	22:22:36.3	-08:28:08	600	100	1.5	#178 Low Mass	4	
0121.COMP	10	07:58	22:22:36.3	-08:28:08	600	99	1.5	0 Calibration	4	
0122.hotwd057	1200	08:01	23:17:23.7	+14:23:56	600	91	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0123.COMP	10	08:21	23:17:23.7	+14:23:56	600	90	1.5	0 Calibration	4	
0124.G191B2B	360	08:25	05:05:30.6	+52:49:52	600	90	1.5	#56 Spectropho	4	
0125.COMP	10	08:32	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	
0126-0135.FLAT	12	08:36	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	
0136.psn0123	1800	08:44	01:23:24.4	+09:25:54	300	90	3.0	#2 SN Observat	2	
0137.COMP	10	09:15	01:23:24.4	+09:25:54	300	90	3.0	0 Calibration	2	
0138.lsq12fnt	2400	09:18	03:32:41.4	-01:11:11	300	90	3.0	#2 SN Observat	2	
0139.COMP	10	10:00	03:32:41.4	-01:11:11	300	90	3.0	0 Calibration	2	
0140.03384965+1332507	1200	10:03	03:38:49.7	+13:32:51	300	90	3.0	#141 2Mass Red	2	
0141.COMP	10	10:24	03:38:49.7	+13:32:51	300	90	3.0	0 Calibration	2	
0142.Group227	1800	10:29	08:13:12.1	+23:28:25	300	40	3.0	#214 SDSS Comp	2	
0143.Group227	1800	10:59	08:13:12.1	+23:28:25	300	40	3.0	#214 SDSS Comp	2	
0144.Group227	1800	11:29	08:13:12.1	+23:28:25	300	40	3.0	#214 SDSS Comp	2	
0145.COMP	10	12:00	08:13:12.1	+23:28:25	300	39	3.0	0 Calibration	2	
0146.sn2010j1	1800	12:03	09:42:53.3	+09:29:42	300	90	3.0	#2 SN Observat	2	
0147.COMP	10	12:34	09:42:53.3	+09:29:42	300	90	3.0	0 Calibration	2	
0148.Feige34	180	12:36	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0149.COMP	10	12:40	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0150.HD84937	20	12:41	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0151.COMP	10	12:42	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	

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0152-0161.BIAS	0	12:48	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0162-0181.FLAT	7	12:54	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0182-0186.DARK	900	14:09	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	4	
0187-0191.DARK	900	15:26	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	