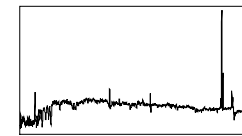


UT Date 2012-09-13 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	23:52	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0002.COMP	10	23:52	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	start of FAST run
0003.DARK	300	23:53	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0004.FLAT	7	23:59	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0005.DARK	900	00:03	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	dark current coming down quickly
0006-0010.DARK	900	01:24	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0011-0020.BIAS	0	01:53	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0021.FLAT	7	01:54	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	3-sec, combo
0022-0035.FLAT	7	01:59	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0036-0037.DARK	900	02:34	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0038.DARK	900	02:50	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	still changing
0039.TCrB	60	03:15	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0040.TCrB	455	03:16	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	too foggy :) close
0041.COMP	10	03:24	15:59:30.0	+25:55:12	300	89	3.0	0 Calibration	2	
0042.YYHer	60	04:30	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	clearing nicely
0043.YYHer	300	04:31	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	
0044.COMP	10	04:37	18:14:34.0	+20:59:19	300	89	3.0	0 Calibration	2	
0045.V443Her	30	04:38	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0046.V443Her	90	04:39	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0047.COMP	10	04:41	18:22:07.0	+23:27:20	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
0048.AS338	90	04:42	19:03:47.0	+16:26:17	300	89	3.0	#12 Symbiotic	2	
0049.AS338	600	04:44	19:03:47.0	+16:26:17	300	89	3.0	#12 Symbiotic	2	
0050.COMP	10	04:55	19:03:47.0	+16:26:17	300	89	3.0	0 Calibration	2	
0051.BFCyg	20	04:57	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0052.BFCyg	20	04:57	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0053.COMP	10	04:58	19:23:53.0	+29:40:27	300	89	3.0	0 Calibration	2	
0054.AS360	75	05:00	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0055.AS360	480	05:02	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0056.COMP	10	05:10	19:45:49.0	+18:36:49	300	90	3.0	0 Calibration	2	
0057.PUVu1	10	05:11	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0058.PUVu1	60	05:12	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0059.PUVu1	120	05:13	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0060.COMP	10	05:16	20:21:13.0	+21:34:21	300	90	3.0	0 Calibration	2	
0061.CICyg	10	05:17	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0062.CICyg	60	05:18	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0063.COMP	10	05:19	19:50:12.0	+35:41:02	300	90	3.0	0 Calibration	2	
0064.CHCyg	3	05:21	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0065.CHCyg	10	05:21	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0066.CHCyg	20	05:22	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0067.COMP	10	05:22	19:24:33.0	+50:14:30	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
0068.ZAnd	2	05:26	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0069.ZAnd	5	05:27	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0070.ZAnd	30	05:27	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0071.COMP	10	05:28	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0072.BDp284211	120	05:30	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0073.COMP	10	05:32	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0074.BDp174708	75	05:34	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0075.COMP	10	05:36	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0076.ptf12gzk	1800	05:37	22:12:41.5	+00:30:43	300	90	3.0	#2 SN Observat	2	
0077.COMP	10	06:08	22:12:41.5	+00:30:43	300	89	3.0	0 Calibration	2	
0078.test	10	06:10	22:45:00.0	+32:00:00	300	89	2.0	#2 SN Observat	2	
0079.test	10	06:11	22:45:00.0	+32:00:00	300	89	2.0	#2 SN Observat	2	
0080.BD+253941	180	06:14	19:44:26.1	+26:13:17	300	90	2.0	#213 Cyg Loop	2	2-sec slit, redder tilt
0081.COMP	10	06:17	19:44:26.1	+26:13:17	300	90	2.0	0 Calibration	2	
0082.COMP	10	06:19	20:57:14.8	+31:02:33	300	90	2.0	0 Calibration	2	
0083.CygXA3	1200	06:21	20:57:14.8	+31:02:33	300	90	2.0	#213 Cyg Loop	2	
0084.CygXA3	1200	06:41	20:57:14.8	+31:02:33	300	90	2.0	#213 Cyg Loop	2	
0085.CygXA3	1200	07:02	20:57:14.8	+31:02:33	300	90	2.0	#213 Cyg Loop	2	
0086.COMP	10	07:22	20:57:14.8	+31:02:33	300	90	2.0	0 Calibration	2	
0087.COMP	10	07:23	20:57:25.4	+31:01:41	300	90	2.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.CygXA1	1200	07:24	20:57:25.4	+31:01:41	300	90	2.0	#213 Cyg Loop	2	
0089.CygXA1	1200	07:44	20:57:25.4	+31:01:41	300	90	2.0	#213 Cyg Loop	2	
0090.CygXA1	1200	08:05	20:57:25.4	+31:01:41	300	90	2.0	#213 Cyg Loop	2	
0091.COMP	10	08:25	20:57:25.4	+31:01:41	300	90	2.0	0 Calibration	2	
0092.COMP	10	08:26	20:57:21.3	+31:03:00	300	90	2.0	0 Calibration	2	
0093.CygXA2	1200	08:27	20:57:21.3	+31:03:00	300	90	2.0	#213 Cyg Loop	2	
0094.CygXA2	1200	08:47	20:57:21.3	+31:03:00	300	90	2.0	#213 Cyg Loop	2	
0095.CygXA2	1200	09:07	20:57:21.3	+31:03:00	300	90	2.0	#213 Cyg Loop	2	
0096.COMP	10	09:28	20:57:21.3	+31:03:00	300	90	2.0	0 Calibration	2	
0097.BDp174708	75	09:29	22:11:31.4	+18:05:34	300	90	2.0	#213 Cyg Loop	2	
0098.COMP	10	09:31	22:11:31.4	+18:05:34	300	90	2.0	0 Calibration	2	
0099.CygX.offsetsky	1200	09:33	22:30:00.0	+31:01:41	300	90	2.0	#213 Cyg Loop	2	
0100.COMP	10	09:53	22:30:00.0	+31:01:41	300	90	2.0	0 Calibration	2	
0101-0110.FLAT	10	09:57	22:30:00.0	+31:01:41	300	90	2.0	0 Calibration	2	
0111.HD19445	25	10:01	03:08:25.6	+26:19:51	300	90	2.0	#213 Cyg Loop	2	test with wider slit, please use comp file 100 and 2-sec flats
0112.HD19445	25	10:01	03:08:25.6	+26:19:51	300	90	2.0	#213 Cyg Loop	2	
0113.HD19445	25	10:02	03:08:25.6	+26:19:51	300	90	2.0	#213 Cyg Loop	2	
0114.test	10	10:09	03:08:25.6	+26:19:51	300	90	3.0	#213 Cyg Loop	2	
0115.EGAnd	3	10:12	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	3-sec, combo
0116.EGAnd	10	10:13	00:44:37.0	+40:40:47	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
0117.COMP	10	10:13	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0118.AXPer	5	10:15	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0119.AXPer	10	10:16	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0120.AXPer	30	10:16	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0121.COMP	10	10:17	01:36:23.0	+54:15:03	300	90	3.0	0 Calibration	2	
0122.PSNJ23423882+2705315	1800	10:23	23:42:38.8	+27:05:31	300	0	3.0	#2 SN Observat	2	
0123.COMP	10	10:53	23:42:38.8	+27:05:31	300	0	3.0	0 Calibration	2	
0124.NGC_1262	720	10:57	03:15:33.6	-15:52:46	300	89	3.0	#99 Other	2	for Lucas Macri
0125.COMP	10	11:10	03:15:33.6	-15:52:46	300	90	3.0	0 Calibration	2	
0126.sn2012ej	1800	11:14	06:26:51.0	+59:05:03	300	90	3.0	#2 SN Observat	2	
0127.COMP	10	11:44	06:26:51.0	+59:05:03	300	90	3.0	0 Calibration	2	
0128.BGGem	360	11:46	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0129.COMP	10	11:53	06:03:31.0	+27:41:50	300	90	3.0	0 Calibration	2	
0130.GITau	300	11:54	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0131.GKTau	240	12:00	04:33:34.5	+24:21:07	300	88	3.0	#12 Symbiotic	2	
0132.COMP	10	12:04	04:33:34.5	+24:21:07	300	89	3.0	0 Calibration	2	
0133-0142.BIAS	0	12:07	04:33:34.5	+24:21:07	300	89	3.0	0 Calibration	2	
0143-0157.FLAT	7	12:13	04:33:34.5	+24:21:07	300	89	3.0	0 Calibration	2	
0158-0167.DARK	1200	15:21	04:33:34.5	+24:21:07	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	02:21	18:27:49.7	+31:29:43	300	89	3.0	0 Calibration	4	
0011-0030.FLAT	7	02:28	18:27:49.7	+31:29:43	300	89	3.0	0 Calibration	2	
0031-0040.BIAS	0	02:33	18:27:49.7	+31:29:43	300	89	3.0	0 Calibration	2	
0041.TCrB	15	02:50	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0042.TCrB	60	02:50	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0043.COMP	10	02:52	15:59:30.0	+25:55:12	300	89	3.0	0 Calibration	2	
0044.20460334+5915577	1500	04:00	20:46:03.3	+59:15:58	300	90	3.0	#141 2Mass Red	2	
0045.COMP	10	04:26	20:46:03.3	+59:15:58	300	90	3.0	0 Calibration	2	
0046.BDp284211	180	07:21	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0047.COMP	10	07:24	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0048.BDp174708	45	07:26	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0049.COMP	10	07:27	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0050.M31	60	07:29	00:42:44.3	+41:16:09	300	90	3.0	#57 Velocity S	2	
0051.COMP	10	07:31	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0052.RAqr	1	07:36	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0053.RAqr	5	07:36	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0054.RAqr	10	07:37	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0055.COMP	10	07:39	23:43:49.0	-15:17:05	300	90	3.0	0 Calibration	2	
0056.01112845+4649031	720	07:42	01:11:28.5	+46:49:03	300	90	3.0	#141 2Mass Red	2	
0057.COMP	10	07:54	01:11:28.5	+46:49:03	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
0058.01252121+1620253	600	07:56	01:25:21.2	+16:20:25	300	88	3.0	#141 2Mass Red	2	
0059.COMP	10	08:08	01:25:21.2	+16:20:25	300	90	3.0	0 Calibration	2	
0060.01310193+4903364	600	08:10	01:31:01.9	+49:03:36	300	90	3.0	#141 2Mass Red	2	
0061.COMP	10	08:21	01:31:01.9	+49:03:36	300	89	3.0	0 Calibration	2	
0062.01532810+2029348	1800	08:23	01:53:28.1	+20:29:35	300	89	3.0	#141 2Mass Red	2	
0063.COMP	10	08:54	01:53:28.1	+20:29:35	300	89	3.0	0 Calibration	2	
0064.hotwd064	1200	09:11	00:52:15.4	-09:24:19	600	89	1.5	#178 Low Mass	4	horrible seeing!
0065.COMP	10	09:31	00:52:15.4	-09:24:19	600	89	1.5	0 Calibration	4	
0066.hotwd061	1500	09:34	23:53:52.8	+40:31:45	600	89	1.5	#178 Low Mass	4	
0067.COMP	10	10:00	23:53:52.8	+40:31:45	600	90	1.5	0 Calibration	4	
0068.hotwd066	1500	10:03	02:11:47.3	+14:39:58	600	90	1.5	#178 Low Mass	4	
0069.COMP	10	10:28	02:11:47.3	+14:39:58	600	90	1.5	0 Calibration	4	
0070.hotwd068	1800	10:31	02:20:25.0	-07:36:27	600	90	1.5	#178 Low Mass	4	
0071.COMP	10	11:02	02:20:25.0	-07:36:27	600	90	1.5	0 Calibration	4	
0072.hotwd069	1800	11:04	03:16:43.1	+01:23:58	600	90	1.5	#178 Low Mass	4	
0073.COMP	10	11:34	03:16:43.1	+01:23:58	600	90	1.5	0 Calibration	4	
0074.hotwd070	2100	11:37	03:26:49.0	+18:27:57	600	90	1.5	#178 Low Mass	4	
0075.COMP	10	12:12	03:26:49.0	+18:27:57	600	90	1.5	0 Calibration	4	
0076.G191B2B	300	12:14	05:05:30.6	+52:49:52	600	90	1.5	#56 Spectropho	4	
0077.COMP	10	12:20	05:05:30.6	+52:49:52	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>
0078-0087.FLAT	12	12:26	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0088-0097.BIAS	0	12:29	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0098-0102.DARK	900	13:32	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0103-0107.DARK	900	14:48	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	2	

UT Date 2012-09-15 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	01:39	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0010-0019.BIAS	0	01:57	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0020-0039.FLAT	7	02:10	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0040-0050.BIAS	0	02:13	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0051.hotwd001	1800	02:44	17:12:31.4	+72:26:52	600	89	1.5	#178 Low Mass	4	horrible seeing
0052.COMP	10	03:15	17:12:31.4	+72:26:52	600	90	1.5	0 Calibration	4	
0053.hotwd002	1200	03:17	17:28:01.4	+69:38:38	600	90	1.5	#178 Low Mass	4	
0054.COMP	10	03:38	17:28:01.4	+69:38:38	600	90	1.5	0 Calibration	4	
0055.hotwd007	1200	03:41	18:22:22.7	+22:08:15	600	90	1.5	#178 Low Mass	4	
0056.COMP	10	04:01	18:22:22.7	+22:08:15	600	90	1.5	0 Calibration	4	
0057.hotwd008	1020	04:03	18:27:05.5	+22:22:58	600	90	1.5	#178 Low Mass	4	
0058.COMP	10	04:21	18:27:05.5	+22:22:58	600	90	1.5	0 Calibration	4	
0059.hotwd010	480	04:23	18:40:59.3	+39:50:02	600	90	1.5	#178 Low Mass	4	
0060.COMP	10	04:31	18:40:59.3	+39:50:02	600	90	1.5	0 Calibration	4	
0061.hotwd011	1200	04:34	18:42:32.1	+20:34:21	600	90	1.5	#178 Low Mass	4	
0062.COMP	10	04:54	18:42:32.1	+20:34:21	600	90	1.5	0 Calibration	4	
0063.bcand952	900	05:02	22:27:13.0	-09:30:01	600	90	1.5	#178 Low Mass	4	
0064.COMP	10	05:18	22:27:13.0	-09:30:01	600	90	1.5	0 Calibration	4	
0065.bcand952	900	05:19	22:27:13.0	-09:30:01	600	90	1.5	#178 Low Mass	4	
0066.COMP	10	05:34	22:27:13.0	-09:30:01	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
0067.bcand952	900	05:35	22:27:13.0	-09:30:01	600	90	1.5	#178 Low Mass	4	
0068.COMP	10	05:51	22:27:13.0	-09:30:01	600	89	1.5	0 Calibration	4	
0069.bcand952	900	05:51	22:27:13.0	-09:30:01	600	89	1.5	#178 Low Mass	4	
0070.COMP	10	06:07	22:27:13.0	-09:30:01	600	89	1.5	0 Calibration	4	
0071.bcand952	900	06:08	22:27:13.0	-09:30:01	600	89	1.5	#178 Low Mass	4	
0072.COMP	10	06:23	22:27:13.0	-09:30:01	600	89	1.5	0 Calibration	4	
0073.bcand952	900	06:26	22:27:13.0	-09:30:01	600	90	1.5	#178 Low Mass	4	
0074.COMP	10	06:41	22:27:13.0	-09:30:01	600	90	1.5	0 Calibration	4	
0075.bcand952	900	06:42	22:27:13.0	-09:30:01	600	90	1.5	#178 Low Mass	4	
0076.COMP	10	06:57	22:27:13.0	-09:30:01	600	90	1.5	0 Calibration	4	
0077.bcand952	900	06:58	22:27:13.0	-09:30:01	600	90	1.5	#178 Low Mass	4	
0078.COMP	10	07:13	22:27:13.0	-09:30:01	600	90	1.5	0 Calibration	4	
0079.bcand952	900	07:14	22:27:13.0	-09:30:01	600	90	1.5	#178 Low Mass	4	
0080.COMP	10	07:29	22:27:13.0	-09:30:01	600	90	1.5	0 Calibration	4	
0081.bcand952	900	07:31	22:27:13.0	-09:30:01	600	90	1.5	#178 Low Mass	4	
0082.COMP	10	07:47	22:27:13.0	-09:30:01	600	90	1.5	0 Calibration	4	
0083.bcand952	900	07:48	22:27:13.0	-09:30:01	600	90	1.5	#178 Low Mass	4	
0084.COMP	10	08:03	22:27:13.0	-09:30:01	600	90	1.5	0 Calibration	4	
0085.bcand952	900	08:04	22:27:13.0	-09:30:01	600	90	1.5	#178 Low Mass	4	seeing greatly improved
0086.COMP	10	08:19	22:27:13.0	-09:30:01	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
0087.bcand952	900	08:20	22:27:13.0	-09:30:01	600	90	1.5	#178 Low Mass	4	
0088.COMP	10	08:35	22:27:13.0	-09:30:01	600	90	1.5	0 Calibration	4	
0089.Feige110	240	08:37	23:19:58.4	-05:09:56	600	90	1.5	#56 Spectropho	4	
0090.COMP	10	08:42	23:19:58.4	-05:09:56	600	90	1.5	0 Calibration	4	
0091-0100.FLAT	12	08:47	23:19:58.4	-05:09:56	600	90	1.5	0 Calibration	4	
0101.PSNJ23423882+2705315	1800	08:54	23:42:38.8	+27:05:31	300	0	3.0	#2 SN Observat	2	
0102.COMP	10	09:25	23:42:38.8	+27:05:31	300	0	3.0	0 Calibration	2	close for wind
0103.bcg001	720	10:36	01:10:38.5	+16:49:35	300	89	3.0	#210 Brightest	2	
0104.COMP	10	10:49	01:10:38.5	+16:49:35	300	89	3.0	0 Calibration	2	
0105.bcg002	420	10:50	01:12:33.3	+16:32:50	300	89	3.0	#210 Brightest	2	
0106.COMP	10	10:58	01:12:33.3	+16:32:50	300	90	3.0	0 Calibration	2	
0107.bcg003	900	10:59	01:15:17.1	+16:24:53	300	90	3.0	#210 Brightest	2	
0108.COMP	10	11:15	01:15:17.1	+16:24:53	300	90	3.0	0 Calibration	2	
0109.03212772+4048059	300	11:17	03:21:27.7	+40:48:06	300	60	3.0	#141 2Mass Red	2	
0110.COMP	10	11:23	03:21:27.7	+40:48:06	300	60	3.0	0 Calibration	2	
0111.03215557+2149375	600	11:26	03:21:55.6	+21:49:38	300	89	3.0	#141 2Mass Red	2	
0112.COMP	10	11:36	03:21:55.6	+21:49:38	300	90	3.0	0 Calibration	2	
0113.04141724+2312160	1800	11:38	04:14:17.2	+23:12:16	300	100	3.0	#141 2Mass Red	2	
0114.COMP	10	12:09	04:14:17.2	+23:12:16	300	100	3.0	0 Calibration	2	
0115.G191B2B	300	12:12	05:05:30.6	+52:49:52	300	91	3.0	#56 Spectropho	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0116.COMP	10	12:17	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0117.HD19445	5	12:19	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0118.COMP	10	12:20	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0119-0128.BIAS	0	12:25	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0129-0148.FLAT	7	12:33	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0149-0158.BIAS	0	12:37	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	4	
0159-0168.DARK	900	14:56	03:08:25.6	+26:19:51	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	01:08	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	4	
0011-0020.BIAS	0	02:00	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	4	
0021-0040.FLAT	7	02:08	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:11	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0051.BDp262606	60	02:23	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	02:25	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0053.BDp332642	120	02:26	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0054.COMP	10	02:29	15:51:59.9	+32:56:54	300	91	3.0	0 Calibration	2	
0055.AGDra	2	02:53	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0056.AGDra	15	02:53	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0057.AGDra	60	02:53	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0058.COMP	10	02:55	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0059.DracoC1	1200	02:58	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	2	
0060.COMP	10	03:18	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
0061.18151190+0206544	1500	03:23	18:15:11.9	+02:06:54	300	91	3.0	#141 2Mass Red	2	row=73
0062.COMP	10	03:49	18:15:11.9	+02:06:54	300	91	3.0	0 Calibration	2	
0063.AS296	30	03:51	18:15:07.0	-00:18:52	300	91	3.0	#12 Symbiotic	2	
0064.AS296	120	03:52	18:15:07.0	-00:18:52	300	91	3.0	#12 Symbiotic	2	
0065.COMP	10	03:55	18:15:07.0	-00:18:52	300	91	3.0	0 Calibration	2	
0066.Hen1674	120	03:58	18:20:19.1	-26:22:46	300	91	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.Hen1674	600	04:01	18:20:19.1	-26:22:46	300	91	3.0	#12 Symbiotic	2	
0068.COMP	10	04:11	18:20:19.1	-26:22:46	300	91	3.0	0 Calibration	2	
0069.AS316	30	04:13	18:42:33.0	-21:17:47	300	91	3.0	#12 Symbiotic	2	
0070.AS316	300	04:14	18:42:33.0	-21:17:47	300	91	3.0	#12 Symbiotic	2	
0071.COMP	10	04:20	18:42:33.0	-21:17:47	300	91	3.0	0 Calibration	2	
0072.AS327	30	04:21	18:53:17.0	-24:22:59	300	91	3.0	#12 Symbiotic	2	
0073.AS327	300	04:22	18:53:17.0	-24:22:59	300	91	3.0	#12 Symbiotic	2	
0074.COMP	10	04:28	18:53:17.0	-24:22:59	300	91	3.0	0 Calibration	2	
0075.V919Sgr	15	04:29	19:03:45.0	-16:59:56	300	91	3.0	#12 Symbiotic	2	
0076.V919Sgr	30	04:30	19:03:45.0	-16:59:56	300	91	3.0	#12 Symbiotic	2	
0077.COMP	10	04:31	19:03:45.0	-16:59:56	300	91	3.0	0 Calibration	2	
0078.BDp284211	120	04:35	21:51:11.0	+28:51:50	300	91	3.0	#56 Spectropho	2	
0079.COMP	10	04:37	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0080.BDp174708	45	04:38	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0081.COMP	10	04:40	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0082.PSNJ23423882+2705315	1800	04:44	23:42:38.8	+27:05:31	300	0	3.0	#2 SN Observat	2	
0083.COMP	10	05:14	23:42:38.8	+27:05:31	300	1	3.0	0 Calibration	2	
0084.M31	60	05:18	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0085.COMP	10	05:20	00:42:44.3	+41:16:09	300	89	3.0	0 Calibration	2	
0086.bcand959	1150	05:31	23:19:37.8	+00:28:32	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
0087.COMP	10	05:51	23:19:37.8	+00:28:32	600	89	1.5	0 Calibration	4	
0088.bcand959	1150	05:53	23:19:37.8	+00:28:32	600	89	1.5	#178 Low Mass	4	
0089.COMP	10	06:17	23:19:37.8	+00:28:32	600	89	1.5	0 Calibration	4	
0090.bcand959	1150	06:17	23:19:37.8	+00:28:32	600	89	1.5	#178 Low Mass	4	
0091.COMP	10	06:37	23:19:37.8	+00:28:32	600	89	1.5	0 Calibration	4	
0092.bcand959	1150	06:39	23:19:37.8	+00:28:32	600	89	1.5	#178 Low Mass	4	
0093.COMP	10	06:58	23:19:37.8	+00:28:32	600	89	1.5	0 Calibration	4	
0094.bcand959	1150	06:59	23:19:37.8	+00:28:32	600	89	1.5	#178 Low Mass	4	
0095.COMP	10	07:19	23:19:37.8	+00:28:32	600	89	1.5	0 Calibration	4	
0096.bcand959	1150	07:20	23:19:37.8	+00:28:32	600	89	1.5	#178 Low Mass	4	
0097.COMP	10	07:39	23:19:37.8	+00:28:32	600	89	1.5	0 Calibration	4	
0098.bcand959	1150	07:40	23:19:37.8	+00:28:32	600	89	1.5	#178 Low Mass	4	
0099.COMP	10	08:00	23:19:37.8	+00:28:32	600	89	1.5	0 Calibration	4	
0100.bcand959	1150	08:01	23:19:37.8	+00:28:32	600	89	1.5	#178 Low Mass	4	
0101.COMP	10	08:21	23:19:37.8	+00:28:32	600	89	1.5	0 Calibration	4	
0102.bcand959	1150	08:21	23:19:37.8	+00:28:32	600	89	1.5	#178 Low Mass	4	
0103.COMP	10	08:41	23:19:37.8	+00:28:32	600	89	1.5	0 Calibration	4	
0104.bcand959	1150	08:42	23:19:37.8	+00:28:32	600	89	1.5	#178 Low Mass	4	
0105.COMP	10	09:02	23:19:37.8	+00:28:32	600	89	1.5	0 Calibration	4	
0106.bcand959	1150	09:03	23:19:37.8	+00:28:32	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
0107.COMP	10	09:23	23:19:37.8	+00:28:32	600	89	1.5	0 Calibration	4	
0108.hotwd062	1130	09:26	00:05:52.0	+06:49:20	600	89	1.5	#178 Low Mass	4	
0109.COMP	10	09:45	00:05:52.0	+06:49:20	600	90	1.5	0 Calibration	4	
0110.hotwd063	1240	09:48	00:12:40.8	+24:34:17	600	95	1.5	#178 Low Mass	4	
0111.COMP	10	10:09	00:12:40.8	+24:34:17	600	95	1.5	0 Calibration	4	
0112.hotwd065	1090	10:10	01:08:48.2	+15:15:20	600	95	1.5	#178 Low Mass	4	
0113.COMP	10	10:29	01:08:48.2	+15:15:20	600	96	1.5	0 Calibration	4	
0114.hotwd067	1500	10:33	02:17:43.9	-11:33:08	600	96	1.5	#178 Low Mass	4	
0115.COMP	10	10:58	02:17:43.9	-11:33:08	600	95	1.5	0 Calibration	4	
0116.hotwd071	1500	11:23	04:05:55.0	+81:47:51	600	90	1.5	#178 Low Mass	4	
0117.COMP	10	11:48	04:05:55.0	+81:47:51	600	91	1.5	0 Calibration	4	
0118.hotwd073	1140	11:51	05:58:24.9	+63:29:36	600	91	1.5	#178 Low Mass	4	
0119.COMP	10	12:11	05:58:24.9	+63:29:36	600	91	1.5	0 Calibration	4	
0120.G191B2B	300	12:12	05:05:30.6	+52:49:52	600	91	1.5	#56 Spectropho	4	
0121.COMP	10	12:19	05:05:30.6	+52:49:52	600	91	1.5	0 Calibration	4	
0122-0131.FLAT	12	12:24	05:05:30.6	+52:49:52	600	91	1.5	0 Calibration	4	
0132-0141.BIAS	0	12:30	05:05:30.6	+52:49:52	600	91	1.5	0 Calibration	4	
0142-0151.DARK	900	14:59	05:05:30.6	+52:49:52	300	91	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	01:42	19:44:26.1	+26:13:17	300	90	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:48	19:44:26.1	+26:13:17	300	90	3.0	0 Calibration	2	
0026.COMP	10	01:55	19:44:26.1	+26:13:17	300	90	3.0	0 Calibration	2	
0027.BD+253941	180	02:28	19:44:26.1	+26:13:17	300	90	3.0	#212 Cyg X-1 B	2	
0028.BD+253941	180	02:32	19:44:26.1	+26:13:17	300	90	3.0	#212 Cyg X-1 B	2	
0029.COMP	10	02:35	19:44:26.1	+26:13:17	300	90	3.0	0 Calibration	2	
0030.COMP	10	02:39	19:58:00.4	+35:20:10	300	90	3.0	0 Calibration	2	
0031.CygX11a	1800	02:40	19:58:00.4	+35:20:10	300	90	3.0	#212 Cyg X-1 B	2	
0032.CygX11a	1800	03:10	19:58:00.4	+35:20:10	300	90	3.0	#212 Cyg X-1 B	2	
0033.CygX11a	1800	03:40	19:58:00.4	+35:20:10	300	90	3.0	#212 Cyg X-1 B	2	
0034.COMP	10	04:11	19:58:00.4	+35:20:10	300	90	3.0	0 Calibration	2	
0035.CygX11b	1800	04:13	19:57:50.6	+35:20:10	300	90	3.0	#212 Cyg X-1 B	2	
0036.CygX11b	1800	04:43	19:57:50.6	+35:20:10	300	90	3.0	#212 Cyg X-1 B	2	
0037.COMP	10	05:14	19:57:50.6	+35:20:10	300	90	3.0	0 Calibration	2	
0038.CygX11b	1800	05:14	19:57:50.6	+35:20:10	300	90	3.0	#212 Cyg X-1 B	2	
0039.COMP	10	05:45	19:57:50.6	+35:20:10	300	90	3.0	0 Calibration	2	
0040.test	10	05:47	22:40:00.0	+32:00:00	300	90	3.0	#212 Cyg X-1 B	2	
0041.test	10	05:47	22:40:00.0	+32:00:00	300	90	3.0	#212 Cyg X-1 B	2	
0042.BDp174708	75	05:49	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0043.COMP	10	05:51	22:11:31.4	+18:05:34	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.BDp284211	180	05:52	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0045.COMP	10	05:55	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0046.20460334+5915577	1200	06:01	20:46:03.3	+59:15:58	300	100	3.0	#141 2Mass Red	2	
0047.COMP	10	06:22	20:46:03.3	+59:15:58	300	100	3.0	0 Calibration	2	
0048.21553221+7018448	1500	06:25	21:55:32.2	+70:18:45	300	100	3.0	#141 2Mass Red	2	
0049.COMP	10	06:50	21:55:32.2	+70:18:45	300	100	3.0	0 Calibration	2	
0050.sn2012et	1800	07:02	23:42:38.8	+27:05:31	300	0	3.0	#2 SN Observat	2	
0051.COMP	10	07:33	23:42:38.8	+27:05:31	300	0	3.0	0 Calibration	2	
0052-0061.FLAT	7	07:42	00:40:00.0	+32:00:00	300	89	3.0	0 Calibration	2	
0062.BDp284211	120	07:47	21:51:11.0	+28:51:50	600	89	1.5	#178 Low Mass	4	
0063.COMP	10	07:50	21:51:11.0	+28:51:50	600	89	1.5	0 Calibration	4	
0064.bhvs476	1240	07:52	00:54:17.6	+08:13:37	600	89	1.5	#178 Low Mass	4	
0065.COMP	10	08:13	00:54:17.6	+08:13:37	600	89	1.5	0 Calibration	4	
0066.bhvs476	1240	08:14	00:54:17.6	+08:13:37	600	89	1.5	#178 Low Mass	4	
0067.COMP	10	08:35	00:54:17.6	+08:13:37	600	89	1.5	0 Calibration	4	
0068.bhvs476	1240	08:35	00:54:17.6	+08:13:37	600	89	1.5	#178 Low Mass	4	
0069.COMP	10	08:56	00:54:17.6	+08:13:37	600	89	1.5	0 Calibration	4	
0070.bhvs476	1240	08:57	00:54:17.6	+08:13:37	600	89	1.5	#178 Low Mass	4	
0071.COMP	10	09:18	00:54:17.6	+08:13:37	600	89	1.5	0 Calibration	4	
0072.bhvs476	1240	09:18	00:54:17.6	+08:13:37	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
0073.COMP	10	09:39	00:54:17.6	+08:13:37	600	89	1.5	0 Calibration	4	
0074.bhvs476	1240	09:40	00:54:17.6	+08:13:37	600	89	1.5	#178 Low Mass	4	
0075.COMP	10	10:01	00:54:17.6	+08:13:37	600	89	1.5	0 Calibration	4	
0076.bhvs476	1240	10:01	00:54:17.6	+08:13:37	600	89	1.5	#178 Low Mass	4	
0077.COMP	10	10:22	00:54:17.6	+08:13:37	600	89	1.5	0 Calibration	4	
0078.bhvs476	1240	10:23	00:54:17.6	+08:13:37	600	89	1.5	#178 Low Mass	4	
0079.COMP	10	10:44	00:54:17.6	+08:13:37	600	89	1.5	0 Calibration	4	
0080.bhvs476	1240	10:45	00:54:17.6	+08:13:37	600	89	1.5	#178 Low Mass	4	
0081.COMP	10	11:05	00:54:17.6	+08:13:37	600	89	1.5	0 Calibration	4	
0082.bhvs476	1240	11:06	00:54:17.6	+08:13:37	600	89	1.5	#178 Low Mass	4	
0083.COMP	10	11:27	00:54:17.6	+08:13:37	600	89	1.5	0 Calibration	4	
0084.bhvs476	1240	11:28	00:54:17.6	+08:13:37	600	89	1.5	#178 Low Mass	4	
0085.COMP	10	11:49	00:54:17.6	+08:13:37	600	89	1.5	0 Calibration	4	
0086.hotwd072	720	11:51	05:31:33.4	-00:03:14	600	89	1.5	#178 Low Mass	4	
0087.COMP	10	12:03	05:31:33.4	-00:03:14	600	90	1.5	0 Calibration	4	
0088-0097.FLAT	12	12:08	05:31:33.4	-00:03:14	600	90	1.5	0 Calibration	4	
0098-0107.BIAS	0	12:10	05:31:33.4	-00:03:14	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
0001-0005.DARK	900	22:23	12:58:35.2	+27:35:47	600	89	1.5	0 Calibration	2	
0006-0015.BIAS	0	01:36	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0016-0030.FLAT	7	01:41	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0031.Hen1341	20	02:10	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0032.Hen1341	60	02:11	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0033.Hen1341	180	02:13	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0034.COMP	10	02:16	17:08:36.0	-17:26:30	300	90	3.0	0 Calibration	2	
0035.AS210	60	02:18	16:51:20.3	-26:00:33	300	90	3.0	#12 Symbiotic	2	
0036.AS210	240	02:19	16:51:20.3	-26:00:33	300	90	3.0	#12 Symbiotic	2	
0037.AS210	30	02:23	16:51:20.3	-26:00:33	300	90	3.0	#12 Symbiotic	2	
0038.COMP	10	02:24	16:51:20.3	-26:00:33	300	90	3.0	0 Calibration	2	
0039.Hen1591	120	02:25	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0040.Hen1591	420	02:28	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0041.COMP	10	02:35	18:07:32.0	-25:53:43	300	89	3.0	0 Calibration	2	
0042.AS281	60	02:37	18:10:44.0	-27:57:57	300	89	3.0	#12 Symbiotic	2	
0043.AS281	600	02:39	18:10:44.0	-27:57:57	300	89	3.0	#12 Symbiotic	2	
0044.AS281	120	02:49	18:10:44.0	-27:57:57	300	89	3.0	#12 Symbiotic	2	
0045.COMP	10	02:51	18:10:44.0	-27:57:57	300	90	3.0	0 Calibration	2	
0046.AS270	60	02:52	18:05:33.7	-20:20:38	300	90	3.0	#12 Symbiotic	2	
0047.AS270	150	02:54	18:05:33.7	-20:20:38	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
0048.AS270	600	02:57	18:05:33.7	-20:20:38	300	90	3.0	#12 Symbiotic	2	
0049.COMP	10	03:07	18:05:33.7	-20:20:38	300	90	3.0	0 Calibration	2	
0050.AS289	30	03:08	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0051.AS289	180	03:09	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0052.AS289	480	03:13	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0053.COMP	10	03:21	18:12:22.0	-11:40:08	300	89	3.0	0 Calibration	2	
0054.RS0ph	60	03:24	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	2	
0055.RS0ph	120	03:25	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	2	
0056.RS0ph	45	03:27	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	2	
0057.COMP	10	03:28	17:50:13.0	-06:42:30	300	89	3.0	0 Calibration	2	
0058.BDp404032	120	03:30	20:08:24.1	+41:15:04	300	89	3.0	#56 Spectropho	2	
0059.COMP	10	03:33	20:08:24.1	+41:15:04	300	89	3.0	0 Calibration	2	
0060.test	10	03:34	20:30:00.0	+32:00:00	300	89	3.0	#212 Cyg X-1 B	2	
0061.test	10	03:36	20:30:00.0	+32:00:00	300	89	3.0	#212 Cyg X-1 B	2	
0062.BD+253941	180	03:38	19:44:26.1	+26:13:17	300	89	3.0	#212 Cyg X-1 B	2	
0063.COMP	10	03:42	19:44:26.1	+26:13:17	300	90	3.0	0 Calibration	2	
0064.COMP	10	03:44	19:58:13.2	+35:21:13	300	0	3.0	0 Calibration	2	
0065.CygX12a	1800	03:46	19:58:13.2	+35:21:13	300	0	3.0	#212 Cyg X-1 B	2	
0066.COMP	10	04:16	19:58:13.2	+35:21:13	300	0	3.0	0 Calibration	2	
0067.CygX12a	1800	04:17	19:58:13.2	+35:21:13	300	0	3.0	#212 Cyg X-1 B	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.COMP	10	04:47	19:58:13.2	+35:21:13	300	0	3.0	0 Calibration	2	
0069.CygX12a	1800	04:48	19:58:13.2	+35:21:13	300	0	3.0	#212 Cyg X-1 B	2	
0070.COMP	10	05:18	19:58:13.2	+35:21:13	300	0	3.0	0 Calibration	2	
0071.CYGX12b	1800	05:21	19:58:13.2	+35:23:13	300	0	3.0	#212 Cyg X-1 B	2	
0072.COMP	10	05:51	19:58:13.2	+35:23:13	300	0	3.0	0 Calibration	2	
0073.CYGX12b	1800	05:52	19:58:13.2	+35:23:13	300	0	3.0	#212 Cyg X-1 B	2	
0074.COMP	10	06:22	19:58:13.2	+35:23:13	300	0	3.0	0 Calibration	2	
0075.CYGX12b	1800	06:24	19:58:13.2	+35:23:13	300	0	3.0	#212 Cyg X-1 B	2	
0076.COMP	10	06:55	19:58:13.2	+35:23:13	300	0	3.0	0 Calibration	2	
0077-0090.FLAT	7	07:01	23:55:00.0	+32:00:00	300	0	3.0	0 Calibration	2	
0091.COMP	10	07:07	22:52:37.5	+01:12:02	600	90	1.5	0 Calibration	4	
0092.bcand956	1500	07:08	22:52:37.5	+01:12:02	600	90	1.5	#178 Low Mass	4	
0093.COMP	10	07:33	22:52:37.5	+01:12:02	600	90	1.5	0 Calibration	4	
0094.bcand956	1500	07:34	22:52:37.5	+01:12:02	600	90	1.5	#178 Low Mass	4	
0095.COMP	10	07:59	22:52:37.5	+01:12:02	600	90	1.5	0 Calibration	4	
0096.bcand956	1500	08:00	22:52:37.5	+01:12:02	600	90	1.5	#178 Low Mass	4	
0097.COMP	10	08:25	22:52:37.5	+01:12:02	600	90	1.5	0 Calibration	4	
0098.bcand956	1500	08:26	22:52:37.5	+01:12:02	600	90	1.5	#178 Low Mass	4	
0099.COMP	10	08:51	22:52:37.5	+01:12:02	600	90	1.5	0 Calibration	4	
0100.bcand956	1500	08:52	22:52:37.5	+01:12:02	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
0101.COMP	10	09:17	22:52:37.5	+01:12:02	600	90	1.5	0 Calibration	4	
0102.bcand956	1500	09:18	22:52:37.5	+01:12:02	600	90	1.5	#178 Low Mass	4	
0103.COMP	10	09:44	22:52:37.5	+01:12:02	600	90	1.5	0 Calibration	4	
0104.bcand956	1500	09:44	22:52:37.5	+01:12:02	600	90	1.5	#178 Low Mass	4	
0105.COMP	10	10:10	22:52:37.5	+01:12:02	600	90	1.5	0 Calibration	4	
0106.hotwd058	1260	10:13	23:31:06.9	+51:10:01	600	90	1.5	#178 Low Mass	4	
0107.COMP	10	10:34	23:31:06.9	+51:10:01	600	89	1.5	0 Calibration	4	
0108.hotwd059	1500	10:36	23:31:23.2	+47:16:56	600	89	1.5	#178 Low Mass	4	
0109.COMP	10	11:01	23:31:23.2	+47:16:56	600	90	1.5	0 Calibration	4	
0110.hotwd060	1200	11:02	23:43:33.6	+46:49:13	600	90	1.5	#178 Low Mass	4	
0111.COMP	10	11:23	23:43:33.6	+46:49:13	600	89	1.5	0 Calibration	4	
0112.hotwd074	1200	11:25	06:08:40.3	+65:12:35	600	89	1.5	#178 Low Mass	4	
0113.COMP	10	11:46	06:08:40.3	+65:12:35	600	90	1.5	0 Calibration	4	
0114.G191B2B	360	11:47	05:05:30.6	+52:49:52	600	90	1.5	#178 Low Mass	4	
0115.COMP	10	11:54	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	
0116-0125.FLAT	12	12:00	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	
0126-0135.BIAS	0	12:02	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	
0136-0140.DARK	900	13:11	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
0001-0010.BIAS	0	00:43	01:30:00.0	+32:00:00	300	90	3.0	0 Calibration	2	
0011-0025.FLAT	7	00:49	01:30:00.0	+32:00:00	300	90	3.0	0 Calibration	2	
0026-0027.DARK	900	01:05	01:30:00.0	+32:00:00	300	90	3.0	0 Calibration	2	
0028.AGDra	60	02:24	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	clouds
0029.AGDra	120	02:27	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0030.COMP	10	02:32	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0031.TCrB	60	02:38	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0032.TCrB	120	02:40	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0033.COMP	10	02:51	15:59:30.0	+25:55:12	300	90	3.0	0 Calibration	2	
0034.CICyg	60	02:59	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0035.CICyg	180	03:03	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0036.COMP	10	03:06	19:50:12.0	+35:41:02	300	90	3.0	0 Calibration	2	
0037.BFCyg	30	03:11	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0038.BFCyg	30	03:12	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0039.COMP	10	03:13	19:23:53.0	+29:40:27	300	90	3.0	0 Calibration	2	
0040.AS360	360	03:15	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0041.AS360	120	03:21	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0042.COMP	10	03:24	19:45:49.0	+18:36:49	300	89	3.0	0 Calibration	2	
0043.PUVu1	30	03:26	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0044.PUVu1	15	03:27	20:21:13.0	+21:34:21	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
0045.PUVul	300	03:28	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0046.COMP	10	03:33	20:21:13.0	+21:34:21	300	89	3.0	0 Calibration	2	
0047.CHCyg	2	03:36	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0048.CHCyg	5	03:37	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0049.CHCyg	15	03:37	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0050.COMP	10	03:38	19:24:33.0	+50:14:30	300	89	3.0	0 Calibration	2	
0051.IPHAS_W2811	720	03:50	19:54:52.5	+35:41:17	300	89	3.0	#157 IPHAS	2	
0052.COMP	10	04:02	19:54:52.5	+35:41:17	300	90	3.0	0 Calibration	2	
0053.IPHAS_W2813	720	04:03	19:55:01.4	+32:35:37	300	90	3.0	#157 IPHAS	2	
0054.COMP	10	04:16	19:55:01.4	+32:35:37	300	90	3.0	0 Calibration	2	
0055.IPHAS_W2821	900	04:17	19:56:00.1	+30:26:47	300	90	3.0	#157 IPHAS	2	
0056.COMP	10	04:32	19:56:00.1	+30:26:47	300	90	3.0	0 Calibration	2	
0057.IPHAS_W2822	720	04:33	19:56:08.5	+31:38:46	300	90	3.0	#157 IPHAS	2	
0058.COMP	10	04:46	19:56:08.5	+31:38:46	300	89	3.0	0 Calibration	2	
0059.IPHAS_W2828	720	04:47	19:56:15.1	+30:00:42	300	89	3.0	#157 IPHAS	2	
0060.COMP	10	04:59	19:56:15.1	+30:00:42	300	89	3.0	0 Calibration	2	
0061.IPHAS_W2939	300	05:02	20:01:20.5	+31:34:18	300	89	3.0	#157 IPHAS	2	
0062.COMP	10	05:07	20:01:20.5	+31:34:18	300	90	3.0	0 Calibration	2	
0063.IPHAS_W2947	360	05:08	20:01:56.3	+30:45:42	300	90	3.0	#157 IPHAS	2	
0064.COMP	10	05:14	20:01:56.3	+30:45:42	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
0065.IPHAS_W2951	360	05:15	20:02:03.9	+31:40:01	300	90	3.0	#157 IPHAS	2	
0066.COMP	10	05:21	20:02:03.9	+31:40:01	300	90	3.0	0 Calibration	2	
0067.IPHAS_W2952	300	05:22	20:02:05.3	+27:50:58	300	90	3.0	#157 IPHAS	2	
0068.COMP	10	05:28	20:02:05.3	+27:50:58	300	89	3.0	0 Calibration	2	
0069.IPHAS_W2968	240	05:29	20:03:33.7	+31:44:01	300	89	3.0	#157 IPHAS	2	
0070.COMP	10	05:33	20:03:33.7	+31:44:01	300	89	3.0	0 Calibration	2	
0071.BDp284211	120	05:35	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0072.COMP	10	05:37	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0073.BDp174708	90	05:38	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0074.COMP	10	05:40	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0075.sn2012et	1800	05:43	23:42:38.8	+27:05:31	300	-1	3.0	#2 SN Observat	2	
0076.COMP	10	06:13	23:42:38.8	+27:05:31	300	-2	3.0	0 Calibration	2	
0077.ZAnd	2	06:16	23:33:40.0	+48:49:06	300	91	3.0	#12 Symbiotic	2	
0078.ZAnd	5	06:17	23:33:40.0	+48:49:06	300	91	3.0	#12 Symbiotic	2	
0079.ZAnd	30	06:17	23:33:40.0	+48:49:06	300	91	3.0	#12 Symbiotic	2	
0080.COMP	10	06:18	23:33:40.0	+48:49:06	300	91	3.0	0 Calibration	2	
0081.sn2012em	1800	06:20	22:44:01.7	+15:51:49	300	91	3.0	#2 SN Observat	2	
0082.COMP	10	06:51	22:44:01.7	+15:51:49	300	90	3.0	0 Calibration	2	
0083.ptf12gzk	1800	06:53	22:12:41.5	+00:30:43	300	91	3.0	#2 SN Observat	2	
0084.COMP	10	07:24	22:12:41.5	+00:30:43	300	91	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0085.RAqr	10	07:25	23:43:49.0	-15:17:05	300	91	3.0	#12 Symbiotic	2	
0086.RAqr	10	07:26	23:43:49.0	-15:17:05	300	91	3.0	#12 Symbiotic	2	
0087.RAqr	30	07:26	23:43:49.0	-15:17:05	300	91	3.0	#12 Symbiotic	2	
0088.RAqr	60	07:27	23:43:49.0	-15:17:05	300	91	3.0	#12 Symbiotic	2	
0089.COMP	10	07:28	23:43:49.0	-15:17:05	300	91	3.0	0 Calibration	2	
0090.PSN01184597+1459402	1800	07:32	01:18:46.0	+14:59:40	300	105	3.0	#2 SN Observat	2	
0091.COMP	10	08:03	01:18:46.0	+14:59:40	300	105	3.0	0 Calibration	2	
0092.02042340+1049265	420	08:05	02:04:23.4	+10:49:26	300	90	3.0	#141 2Mass Red	2	
0093.COMP	10	08:13	02:04:23.4	+10:49:26	300	90	3.0	0 Calibration	2	
0094.02144181+2809261	360	08:14	02:14:41.8	+28:09:26	300	90	3.0	#141 2Mass Red	2	
0095.COMP	10	08:21	02:14:41.8	+28:09:26	300	90	3.0	0 Calibration	2	
0096.01575505+4209229	420	08:22	01:57:55.0	+42:09:23	300	90	3.0	#141 2Mass Red	2	
0097.COMP	10	08:29	01:57:55.0	+42:09:23	300	90	3.0	0 Calibration	2	
0098.225m280	360	08:31	00:44:29.8	+41:21:25	300	90	3.0	#57 Velocity S	2	
0099.COMP	10	08:37	00:44:29.8	+41:21:25	300	90	3.0	0 Calibration	2	
0100.EGAnd	2	08:39	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0101.EGAnd	5	08:39	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0102.EGAnd	10	08:40	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0103.COMP	10	08:40	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0104.AXPer	10	08:41	01:36:23.0	+54:15:03	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
0105.AXPer	30	08:42	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0106.COMP	10	08:43	01:36:23.0	+54:15:03	300	90	3.0	0 Calibration	2	
0107.01133859+6847579	1500	08:45	01:13:38.6	+68:47:58	300	90	3.0	#141 2Mass Red	2	
0108.COMP	10	09:11	01:13:38.6	+68:47:58	300	90	3.0	0 Calibration	2	
0109.04141963+2025240	1500	09:14	04:14:19.6	+20:25:24	300	90	3.0	#141 2Mass Red	2	
0110.COMP	10	09:39	04:14:19.6	+20:25:24	300	90	3.0	0 Calibration	2	
0111.04194441+3557293	900	09:41	04:19:44.4	+35:57:29	300	90	3.0	#141 2Mass Red	2	
0112.COMP	10	09:56	04:19:44.4	+35:57:29	300	90	3.0	0 Calibration	2	
0113.04270415+2027093	300	09:58	04:27:04.1	+20:27:09	300	90	3.0	#141 2Mass Red	2	
0114.COMP	10	10:03	04:27:04.1	+20:27:09	300	90	3.0	0 Calibration	2	
0115.04301670+2326448	1200	10:04	04:30:16.7	+23:26:45	300	90	3.0	#141 2Mass Red	2	
0116.COMP	10	10:25	04:30:16.7	+23:26:45	300	90	3.0	0 Calibration	2	
0117.04395875+2137140	900	10:26	04:39:58.8	+21:37:14	300	90	3.0	#141 2Mass Red	2	
0118.COMP	10	10:42	04:39:58.8	+21:37:14	300	90	3.0	0 Calibration	2	
0119.04425866+2229294	1800	10:43	04:42:58.7	+22:29:29	300	90	3.0	#141 2Mass Red	2	
0120.COMP	10	11:13	04:42:58.7	+22:29:29	300	90	3.0	0 Calibration	2	
0121.sn2012ej	1800	11:16	06:26:51.0	+59:05:03	300	90	3.0	#2 SN Observat	2	
0122.COMP	10	11:47	06:26:51.0	+59:05:03	300	90	3.0	0 Calibration	2	
0123.G191B2B	300	11:49	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0124.COMP	10	11:54	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	

UT Date 2012-09-19 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>
0125-0134.BIAS	0	11:59	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0135-0149.FLAT	7	12:05	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	

UT Date 2012-09-20 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:33	18:00:31.0	+31:30:13	300	90	3.0	0 Calibration	4	
0011-0030.FLAT	12	01:45	18:00:31.0	+31:30:13	600	90	1.5	0 Calibration	4	
0031.FLAT	18	01:46	18:00:31.0	+31:30:13	600	90	1.5	0 Calibration	4	need more counts
0032-0040.FLAT	18	01:50	18:00:31.0	+31:30:13	600	90	1.5	0 Calibration	4	
0041-0050.DARK	900	05:44	18:00:31.0	+31:30:13	600	90	1.5	0 Calibration	4	
0051.hotwd048	1500	07:53	21:39:01.6	+15:17:45	600	90	1.5	#178 Low Mass	4	through cirrus
0052.COMP	10	08:19	21:39:01.6	+15:17:45	600	90	1.5	0 Calibration	4	
0053.hotwd050	1020	08:23	22:07:59.3	+42:52:32	600	71	1.5	#178 Low Mass	4	
0054.COMP	10	08:43	22:07:59.3	+42:52:32	600	70	1.5	0 Calibration	4	
0055.hotwd051	1500	08:46	22:12:29.7	+42:49:56	600	90	1.5	#178 Low Mass	4	
0056.COMP	10	09:11	22:12:29.7	+42:49:56	600	89	1.5	0 Calibration	4	overcome by clouds
0057.HD19445	5	11:18	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0058.COMP	10	11:19	03:08:25.6	+26:19:51	300	89	3.0	0 Calibration	2	
0059.02020566+8115453	900	11:22	02:02:05.7	+81:15:45	300	89	3.0	#141 2Mass Red	2	
0060.COMP	10	11:38	02:02:05.7	+81:15:45	300	89	3.0	0 Calibration	2	
0061.02231510+4243532	720	11:41	02:23:15.1	+42:43:53	300	75	3.0	#141 2Mass Red	2	
0062.COMP	10	11:54	02:23:15.1	+42:43:53	300	76	3.0	0 Calibration	2	
0063.02233749+4303307	480	11:55	02:23:37.5	+43:03:31	300	89	3.0	#141 2Mass Red	2	
0064.COMP	10	12:04	02:23:37.5	+43:03:31	300	90	3.0	0 Calibration	2	
0065.G191B2B	300	12:17	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	

UT Date 2012-09-20 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>
0066.COMP	10	12:22	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0067-0076.BIAS	0	12:28	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0077-0096.FLAT	7	12:36	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0097-0106.DARK	900	14:55	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	

UT Date 2012-09-21 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	01:32	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	4	
0011-0020.BIAS	0	01:56	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	4	
0021-0040.FLAT	7	02:04	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:06	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0051.BDp284211	210	02:29	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	scattered clouds
0052.COMP	10	02:33	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0053.BDp284211	120	02:34	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0054.COMP	10	02:36	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0055.BDp174708	120	03:57	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0056.COMP	10	04:00	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0057.BDp174708	60	04:02	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0058.COMP	10	04:03	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0059.YYHer	30	04:08	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0060.YYHer	90	04:09	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0061.COMP	10	04:11	18:14:34.0	+20:59:19	300	90	3.0	0 Calibration	2	
0062.AS296	40	04:13	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	
0063.COMP	10	04:16	18:15:07.0	-00:18:52	300	90	3.0	0 Calibration	2	
0064.M31	90	07:50	00:42:44.3	+41:16:09	300	90	3.0	#57 Velocity S	2	
0065.COMP	10	07:51	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0066.AXPer	4	07:53	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	

UT Date 2012-09-21 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.AXPer	30	07:54	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0068.AXPer	90	07:54	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0069.COMP	10	07:56	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0070.EGAnd	3	07:57	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0071.EGAnd	10	07:58	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0072.EGAnd	40	07:58	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0073.COMP	10	07:59	00:44:37.0	+40:40:47	300	89	3.0	0 Calibration	2	through clouds
0074.EGAnd	1	08:06	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0075.EGAnd	5	08:06	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0076.COMP	10	08:07	00:44:37.0	+40:40:47	300	89	3.0	0 Calibration	2	
0077.GITau	240	08:10	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0078.COMP	10	08:15	04:33:34.0	+24:21:18	300	89	3.0	0 Calibration	2	
0079.GKTau	240	08:15	04:33:34.5	+24:21:07	300	89	3.0	#12 Symbiotic	2	
0080.COMP	10	08:20	04:33:34.5	+24:21:07	300	89	3.0	0 Calibration	2	close for clouds
0081.FLAT	15	08:59	00:40:00.0	-35:00:00	600	89	1.5	0 Calibration	4	grating change for photographer
0082-0090.FLAT	15	09:03	00:40:00.0	-35:00:00	600	89	1.5	0 Calibration	4	
0091-0100.DARK	900	13:48	00:40:00.0	-35:00:00	300	89	3.0	0 Calibration	2	