

UT Date 2017-10-17 Observers P BerlindColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:58	19:00:00.0	+32:00:00	300	87	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:05	19:00:00.0	+32:00:00	300	87	3.0	0 Calibration	2	
0026.AGDra	10	01:43	16:01:41.0	+66:48:10	300	87	3.0	#12 Symbiotic	2	
0027.AGDra	60	01:44	16:01:41.0	+66:48:10	300	87	3.0	#12 Symbiotic	2	
0028.AGDra	90	01:46	16:01:41.0	+66:48:10	300	87	3.0	#12 Symbiotic	2	
0029.COMP	10	01:48	16:01:41.0	+66:48:10	300	87	3.0	0 Calibration	2	
0030.RSOph	30	01:52	17:50:13.0	-06:42:30	300	87	3.0	#12 Symbiotic	2	
0031.RSOph	90	01:53	17:50:13.0	-06:42:30	300	87	3.0	#12 Symbiotic	2	
0032.RSOph	159	01:54	17:50:13.0	-06:42:30	300	87	3.0	#12 Symbiotic	2	
0033.COMP	10	01:58	17:50:13.0	-06:42:30	300	87	3.0	0 Calibration	2	
0034.AS296	30	01:59	18:15:07.0	-00:18:52	300	87	3.0	#12 Symbiotic	2	
0035.AS296	90	02:00	18:15:07.0	-00:18:52	300	87	3.0	#12 Symbiotic	2	
0036.AS296	180	02:02	18:15:07.0	-00:18:52	300	87	3.0	#12 Symbiotic	2	
0037.COMP	10	02:05	18:15:07.0	-00:18:52	300	86	3.0	0 Calibration	2	
0038.18540053+1247545	1500	02:08	18:54:00.5	+12:47:54	300	86	3.0	#141 2MASS Red	2	target at row 80 has emission
0039.COMP	10	02:34	18:54:00.5	+12:47:54	300	86	3.0	0 Calibration	2	
0040.19190375-0250124	1200	02:39	19:19:03.7	-02:50:12	300	82	3.0	#141 2MASS Red	2	
0041.COMP	10	02:59	19:19:03.7	-02:50:12	300	81	3.0	0 Calibration	2	
0042.19403665+0318140	1500	03:03	19:40:36.7	+03:18:14	300	12	3.0	#141 2MASS Red	2	target row 82
0043.COMP	10	03:28	19:40:36.7	+03:18:14	300	12	3.0	0 Calibration	2	

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0044.AT2017hhn	1800	03:34	19:08:51.2	+46:03:46	300	89	3.0	#225	2	
0045.AT2017hhn	1800	04:05	19:08:51.2	+46:03:46	300	89	3.0	#225	2	
0046.COMP	10	04:35	19:08:51.2	+46:03:46	300	90	3.0	0 Calibration	2	
0047.BDp284211	150	04:37	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0048.COMP	10	04:40	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0049.sn2017hhi	1800	04:45	22:22:02.0	-26:10:02	300	90	3.0	#2 SN Observat	2	
0050.COMP	10	05:15	22:22:02.0	-26:10:02	300	90	3.0	0 Calibration	2	
0051.BDp174708	90	05:18	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	05:20	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0053.sn2017hdv	1800	05:24	23:38:36.5	-11:23:29	300	90	3.0	#2 SN Observat	2	
0054.COMP	10	05:55	23:38:36.5	-11:23:29	300	90	3.0	0 Calibration	2	
0055.snAT2017gvp	1800	05:58	23:41:47.0	-01:21:05	300	99	3.0	#2 SN Observat	2	
0056.COMP	10	06:30	23:41:47.0	-01:21:05	300	100	3.0	0 Calibration	2	
0057.sn2017hhz	1800	06:34	01:44:16.9	+12:15:20	300	100	3.0	#2 SN Observat	2	
0058.COMP	10	07:04	01:44:16.9	+12:15:20	300	100	3.0	0 Calibration	2	
0059.PS16dtm	1800	07:41	01:58:04.7	-00:52:22	300	89	3.0	#225	2	
0060.PS16dtm	1800	08:11	01:58:04.7	-00:52:22	300	89	3.0	#225	2	
0061.COMP	10	08:48	01:58:04.7	-00:52:22	300	90	3.0	0 Calibration	2	
0062.sn2017gvw	1800	08:57	03:02:13.4	+03:48:37	300	1	3.0	#2 SN Observat	2	
0063.sn2017gvw	1800	09:28	03:02:13.4	+03:48:37	300	1	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.COMP	10	09:58	03:02:13.4	+03:48:37	300	0	3.0	0 Calibration	2	
0065.sn2017guh	300	10:03	05:03:13.1	-22:49:59	300	89	3.0	#2 SN Observat	2	
0066.COMP	10	10:10	05:03:13.1	-22:49:59	300	89	3.0	0 Calibration	2	
0067.GITau	300	10:13	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0068.GKTau	240	10:20	04:33:34.5	+24:21:07	300	89	3.0	#12 Symbiotic	2	
0069.COMP	10	10:24	04:33:34.5	+24:21:07	300	90	3.0	0 Calibration	2	
0070.cometASASSN1701	600	10:27	04:44:15.8	+53:54:39	300	95	3.0	#220 ASASSN Tr	2	extended emission along slit ok
0071.COMP	10	10:37	04:44:15.8	+53:54:39	300	95	3.0	0 Calibration	2	
0072.BGGem	600	10:40	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0073.COMP	10	10:51	06:03:31.0	+27:41:50	300	90	3.0	0 Calibration	2	
0074.snAT2017hfv	1800	10:58	07:41:26.0	+18:43:46	300	71	3.0	#2 SN Observat	2	
0075.COMP	10	11:29	07:41:26.0	+18:43:46	300	71	3.0	0 Calibration	2	
0076.BXMon	15	11:31	07:25:23.0	-03:35:51	300	71	3.0	#12 Symbiotic	2	
0077.BXMon	45	11:32	07:25:23.0	-03:35:51	300	71	3.0	#12 Symbiotic	2	
0078.BXMon	90	11:33	07:25:23.0	-03:35:51	300	71	3.0	#12 Symbiotic	2	
0079.COMP	10	11:35	07:25:23.0	-03:35:51	300	71	3.0	0 Calibration	2	
0080.BIAS	0	11:48	06:30:00.0	+32:00:00	600	89	1.5	0 Calibration	4	
0081.bb777	60	11:50	05:15:35.5	-23:21:27	600	89	1.5	#178 Low Mass	4	
0082.COMP	10	11:52	05:15:35.5	-23:21:27	600	89	1.5	0 Calibration	4	
0083.bb769	180	11:53	05:10:24.3	-29:16:15	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
0084.COMP	10	11:57	05:10:24.3	-29:16:15	600	89	1.5	0 Calibration	4	
0085.bb782	900	11:58	05:21:05.8	-25:49:11	600	89	1.5	#178 Low Mass	4	
0086.COMP	10	12:14	05:21:05.8	-25:49:11	600	90	1.5	0 Calibration	4	
0087.bb767	90	12:16	05:08:18.4	-17:54:53	600	90	1.5	#178 Low Mass	4	
0088.COMP	10	12:18	05:08:18.4	-17:54:53	600	90	1.5	0 Calibration	4	
0089.G191B2B	300	12:20	05:05:30.6	+52:49:52	600	90	1.5	#56 Spectropho	4	
0090.COMP	10	12:26	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0091-0100.BIAS	0	12:29	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0101-0115.FLAT	12	12:34	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0116.test	10	12:37	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0117.test	10	12:39	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0118.test	10	12:40	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0119-0123.DARK	900	13:42	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0124-0128.DARK	900	14:58	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0003.DARK	900	01:01	20:41:50.9	+31:30:17	300	89	3.0	0 Calibration	4	
0004-0013.BIAS	0	01:17	20:41:50.9	+31:30:17	300	89	3.0	0 Calibration	4	
0014-0033.FLAT	7	01:23	20:41:50.9	+31:30:17	300	89	3.0	0 Calibration	2	
0034-0043.BIAS	0	01:26	20:41:50.9	+31:30:17	300	89	3.0	0 Calibration	2	
0044.BDp284211	120	01:41	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0045.COMP	10	01:44	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0046.BDp174708	40	01:46	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0047.COMP	10	01:47	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0048.DracoC1	1200	01:51	17:19:58.0	+57:50:06	300	89	3.0	#12 Symbiotic	2	
0049.COMP	10	02:12	17:19:58.0	+57:50:06	300	89	3.0	0 Calibration	2	
0050.AS270	60	02:16	18:05:33.7	-20:20:38	300	89	3.0	#12 Symbiotic	2	
0051.AS270	300	02:18	18:05:33.7	-20:20:38	300	88	3.0	#12 Symbiotic	2	
0052.COMP	10	02:23	18:05:33.7	-20:20:38	300	88	3.0	0 Calibration	2	
0053.Hen1591	120	02:26	18:07:32.0	-25:53:43	300	88	3.0	#12 Symbiotic	2	
0054.Hen1591	300	02:28	18:07:32.0	-25:53:43	300	88	3.0	#12 Symbiotic	2	
0055.COMP	10	02:33	18:07:32.0	-25:53:43	300	87	3.0	0 Calibration	2	
0056.AT2017hha	1800	02:37	17:40:25.3	+05:08:21	300	87	3.0	#225	2	
0057.AT2017hha	1800	03:07	17:40:25.3	+05:08:21	300	87	3.0	#225	2	
0058.COMP	10	03:37	17:40:25.3	+05:08:21	300	88	3.0	0 Calibration	2	
0059.sn2017glx	1800	03:42	19:43:40.3	+56:06:36	300	60	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0060.COMP	10	04:12	19:43:40.3	+56:06:36	300	61	3.0	0 Calibration	2	
0061.M31	60	04:15	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0062.COMP	10	04:17	00:42:44.3	+41:16:09	300	89	3.0	0 Calibration	2	
0063.j1941p12	1500	04:25	19:41:50.2	+12:53:59	600	89	1.5	#178 Low Mass	4	
0064.COMP	10	04:51	19:41:50.2	+12:53:59	600	90	1.5	0 Calibration	4	
0065.j2002p01	1200	04:53	20:02:19.3	+01:09:35	600	90	1.5	#178 Low Mass	4	
0066.COMP	10	05:13	20:02:19.3	+01:09:35	600	89	1.5	0 Calibration	4	
0067.j2004p08	1500	05:15	20:04:18.6	+08:25:49	600	89	1.5	#178 Low Mass	4	
0068.COMP	10	05:41	20:04:18.6	+08:25:49	600	89	1.5	0 Calibration	4	
0069.j2210m04	1300	05:42	22:10:52.9	-04:55:40	600	89	1.5	#178 Low Mass	4	thin clouds
0070.COMP	10	06:05	22:10:52.9	-04:55:40	600	89	1.5	0 Calibration	4	
0071.j2212m09	1400	06:06	22:12:18.1	-09:01:47	600	89	1.5	#178 Low Mass	4	
0072.COMP	10	06:30	22:12:18.1	-09:01:47	600	89	1.5	0 Calibration	4	
0073.j2311m01	1600	06:32	23:11:05.1	-01:37:06	600	89	1.5	#178 Low Mass	4	
0074.COMP	10	07:00	23:11:05.1	-01:37:06	600	89	1.5	0 Calibration	4	
0075.j2343p10	1700	07:02	23:43:56.1	+10:59:21	600	89	1.5	#178 Low Mass	4	
0076.COMP	10	07:31	23:43:56.1	+10:59:21	600	88	1.5	0 Calibration	4	
0077.j2344p67	1400	07:34	23:44:03.2	+67:18:21	600	88	1.5	#178 Low Mass	4	
0078.COMP	10	07:58	23:44:03.2	+67:18:21	600	89	1.5	0 Calibration	4	
0079.j0005m01	1300	08:00	00:05:04.7	-01:27:08	600	89	1.5	#178 Low Mass	4	

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0080.COMP	10	08:23	00:05:04.7	-01:27:08	600	88	1.5	0 Calibration	4	
0081.j0102m10	1500	08:24	01:02:16.1	-10:15:04	600	88	1.5	#178 Low Mass	4	
0082.COMP	10	08:50	01:02:16.1	-10:15:04	600	88	1.5	0 Calibration	4	
0083.j0125p45	1400	08:53	01:25:04.6	+45:31:01	600	88	1.5	#178 Low Mass	4	
0084.COMP	10	09:17	01:25:04.6	+45:31:01	600	89	1.5	0 Calibration	4	
0085.j0126p30	1300	09:19	01:26:15.9	+30:27:49	600	89	1.5	#178 Low Mass	4	
0086.COMP	10	09:44	01:26:15.9	+30:27:49	600	88	1.5	0 Calibration	4	
0087.j0127p09	1400	09:46	01:27:55.1	+09:39:12	600	89	1.5	#178 Low Mass	4	
0088.COMP	10	10:10	01:27:55.1	+09:39:12	600	88	1.5	0 Calibration	4	
0089.j0300p18	1800	10:12	03:00:12.9	+18:54:45	600	88	1.5	#178 Low Mass	4	more clouds
0090.COMP	10	10:42	03:00:12.9	+18:54:45	600	89	1.5	0 Calibration	4	
0091.j0259m03	1600	10:44	02:59:39.6	-03:31:35	600	89	1.5	#178 Low Mass	4	
0092.COMP	10	11:11	02:59:39.6	-03:31:35	600	88	1.5	0 Calibration	4	
0093.G191B2B	420	11:14	05:05:30.6	+52:49:52	600	88	1.5	#56 Spectropho	4	
0094.COMP	10	11:21	05:05:30.6	+52:49:52	600	88	1.5	0 Calibration	4	
0095.j0204p07	1300	11:24	02:04:13.9	+07:26:30	600	88	1.5	#178 Low Mass	4	
0096.COMP	10	11:46	02:04:13.9	+07:26:30	600	87	1.5	0 Calibration	4	
0097.bb733	120	11:50	04:44:16.4	-19:02:42	600	87	1.5	#178 Low Mass	4	
0098.COMP	10	11:53	04:44:16.4	-19:02:42	600	88	1.5	0 Calibration	4	
0099.bb738	480	11:54	04:48:13.4	-29:54:35	600	88	1.5	#178 Low Mass	4	

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0100.COMP	10	12:02	04:48:13.4	-29:54:35	600	88	1.5	0 Calibration	4	
0101.bb740	1300	12:04	04:52:33.7	-09:55:11	600	88	1.5	#178 Low Mass	4	
0102.COMP	10	12:26	04:52:33.7	-09:55:11	600	87	1.5	0 Calibration	4	
0103.bb755	180	12:28	05:00:59.3	-28:25:34	600	87	1.5	#178 Low Mass	4	
0104.COMP	10	12:32	05:00:59.3	-28:25:34	600	88	1.5	0 Calibration	4	
0105-0124.FLAT	12	12:41	05:00:59.3	-28:25:34	600	88	1.5	0 Calibration	4	
0125-0134.BIAS	0	12:43	05:00:59.3	-28:25:34	600	88	1.5	0 Calibration	4	
0135-0139.DARK	900	13:45	05:00:59.3	-28:25:34	600	88	1.5	0 Calibration	4	
0140-0142.DARK	900	14:31	05:00:59.3	-28:25:34	600	88	1.5	0 Calibration	2	

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0001-0005.DARK	900	01:00	05:00:59.3	-28:25:34	600	88	1.5	0 Calibration	4	
0006-0015.BIAS	0	01:17	05:00:59.3	-28:25:34	600	88	1.5	0 Calibration	4	
0016-0035.FLAT	12	01:26	05:00:59.3	-28:25:34	600	88	1.5	0 Calibration	4	
0036-0045.BIAS	0	01:31	05:00:59.3	-28:25:34	600	88	1.5	0 Calibration	2	
0046.BDp284211	180	01:38	21:51:11.0	+28:51:50	600	88	1.5	#56 Spectropho	4	
0047.COMP	10	01:42	21:51:11.0	+28:51:50	600	88	1.5	0 Calibration	4	
0048.j1647p77	1300	01:44	16:47:08.6	+77:12:46	600	88	1.5	#178 Low Mass	4	clouds, get again
0049.COMP	10	02:07	16:47:08.6	+77:12:46	600	88	1.5	0 Calibration	4	
0050.j1647p77	1300	02:07	16:47:08.6	+77:12:46	600	88	1.5	#178 Low Mass	4	
0051.COMP	10	02:29	16:47:08.6	+77:12:46	600	87	1.5	0 Calibration	4	
0052.j1647m00	1500	02:33	16:47:25.2	-00:23:10	600	87	1.5	#178 Low Mass	4	
0053.COMP	10	02:58	16:47:25.2	-00:23:10	600	87	1.5	0 Calibration	4	clouds passing thru
0054.j2006p01	1800	04:56	20:06:41.1	+01:05:29	600	88	1.5	#178 Low Mass	4	
0055.COMP	10	05:26	20:06:41.1	+01:05:29	600	88	1.5	0 Calibration	4	wrking thru clds
0056.GITau	240	10:32	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0057.COMP	10	10:37	04:33:34.0	+24:21:18	300	88	3.0	0 Calibration	2	
0058.GKTau	240	10:38	04:33:34.5	+24:21:07	300	88	3.0	#12 Symbiotic	2	
0059.COMP	10	10:42	04:33:34.5	+24:21:07	300	88	3.0	0 Calibration	2	
0060.EGAnd	1	10:44	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0061.EGAnd	5	10:45	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	

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0062.EGAnd	10	10:45	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0063.COMP	10	10:46	00:44:37.0	+40:40:47	300	88	3.0	0 Calibration	2	through clouds
0064.AXPer	4	10:47	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0065.AXPer	30	10:48	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0066.AXPer	90	10:48	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0067.COMP	10	10:50	01:36:23.0	+54:15:03	300	88	3.0	0 Calibration	2	
0068.BRUTUS8044_3	1800	10:53	04:36:34.3	-00:46:42	300	88	3.0	#220 ASASSN Tr	2	
0069.COMP	10	11:24	04:36:34.3	-00:46:42	300	88	3.0	0 Calibration	2	
0070.Hiltner600	90	11:32	06:45:13.4	+02:08:15	300	88	3.0	#56 Spectropho	2	
0071.COMP	10	11:34	06:45:13.4	+02:08:15	300	88	3.0	0 Calibration	2	
0072.G191B2B	480	11:48	05:05:30.6	+52:49:52	300	88	3.0	#56 Spectropho	2	
0073.COMP	10	11:56	05:05:30.6	+52:49:52	300	87	3.0	0 Calibration	2	
0074.sn2017hjh	1800	11:59	05:08:44.0	+70:28:32	300	70	3.0	#2 SN Observat	2	
0075.COMP	10	12:30	05:08:44.0	+70:28:32	300	71	3.0	0 Calibration	2	
0076-0085.BIAS	0	12:36	05:08:44.0	+70:28:32	300	71	3.0	0 Calibration	2	
0086-0105.FLAT	7	12:44	05:08:44.0	+70:28:32	300	71	3.0	0 Calibration	2	
0106-0108.DARK	900	13:17	05:08:44.0	+70:28:32	300	71	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0009.DARK	900	01:16	05:08:44.0	+70:28:32	300	71	3.0	0 Calibration	4	
0010-0020.BIAS	0	01:41	05:08:44.0	+70:28:32	300	90	3.0	0 Calibration	4	
0021-0040.FLAT	7	01:48	05:08:44.0	+70:28:32	300	90	3.0	0 Calibration	2	
0041.BIAS	0	01:49	05:08:44.0	+70:28:32	300	90	3.0	0 Calibration	2	
0042.BDp284211	150	01:52	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	thru cirrus
0043.COMP	10	01:55	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0044.BDp174708	110	01:57	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	bit too much, get again
0045.COMP	10	01:59	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0046.BDp174708	80	02:00	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0047.COMP	10	02:02	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	guider needs reboot
0048.AT2017fro	1800	02:44	17:19:55.9	+41:40:49	300	90	3.0	#225	2	thru cirrus, get 2nd
0049.AT2017fro	1800	03:15	17:19:55.9	+41:40:49	300	90	3.0	#225	2	
0050.COMP	10	03:45	17:19:55.9	+41:40:49	300	90	3.0	0 Calibration	2	
0051.sn2017hhi	1800	03:50	22:22:02.0	-26:10:02	300	90	3.0	#2 SN Observat	2	
0052.sn2017hhi	1800	04:21	22:22:02.0	-26:10:02	300	90	3.0	#2 SN Observat	2	
0053.COMP	10	04:51	22:22:02.0	-26:10:02	300	90	3.0	0 Calibration	2	
0054.sn2017hdv	1800	04:57	23:38:36.5	-11:23:29	300	90	3.0	#2 SN Observat	2	
0055.COMP	10	05:46	23:38:36.5	-11:23:29	300	90	3.0	0 Calibration	2	
0056.snAT2017hdt	1800	06:56	01:21:36.9	-03:35:36	300	90	3.0	#2 SN Observat	2	
0057.COMP	10	07:26	01:21:36.9	-03:35:36	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
0058.snAT2017hdw	2400	07:30	01:05:21.7	-01:07:26	300	89	3.0	#2 SN Observat	2	
0059.COMP	10	08:11	01:05:21.7	-01:07:26	300	90	3.0	0 Calibration	2	
0060.sn2017hhz	1800	08:14	01:44:16.9	+12:15:20	300	71	3.0	#2 SN Observat	2	
0061.COMP	10	08:45	01:44:16.9	+12:15:20	300	70	3.0	0 Calibration	2	
0062.AT2017hle	1800	08:50	01:07:33.1	+32:24:30	300	75	3.0	#225	2	
0063.COMP	10	09:22	01:07:33.1	+32:24:30	300	75	3.0	0 Calibration	2	
0064.sn2017hes	2700	09:26	02:31:44.6	+02:41:28	300	89	3.0	#2 SN Observat	2	
0065.COMP	10	10:12	02:31:44.6	+02:41:28	300	89	3.0	0 Calibration	2	
0066.sn2017h jy	1200	10:16	02:36:02.6	+43:28:20	300	89	3.0	#2 SN Observat	2	
0067.COMP	10	10:36	02:36:02.6	+43:28:20	300	90	3.0	0 Calibration	2	
0068.sn2017hju	1800	10:42	02:34:26.2	+32:56:14	300	89	3.0	#2 SN Observat	2	
0069.COMP	10	11:12	02:34:26.2	+32:56:14	300	89	3.0	0 Calibration	2	
0070.G191B2B	300	11:18	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0071.COMP	10	11:24	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0072.Hiltner600	120	11:38	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0073.COMP	10	11:40	06:45:13.4	+02:08:15	300	88	3.0	0 Calibration	2	
0074.NGC1700	240	11:43	04:56:56.3	-04:51:57	300	88	3.0	#57 Velocity S	2	
0075.COMP	10	11:47	04:56:56.3	-04:51:57	300	88	3.0	0 Calibration	2	
0076-0085.BIAS	0	12:49	08:56:13.1	+32:30:35	300	88	3.0	0 Calibration	2	
0086-0105.FLAT	7	12:55	08:56:13.1	+32:30:35	300	88	3.0	0 Calibration	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0106-0115.DARK	900	15:12	08:56:13.1	+32:30:35	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
0001.COMP	10	19:23	11:51:49.4	+31:30:30	600	89	1.5	0 Calibration	4	
0002.fastfoc	10	19:25	11:51:49.4	+31:30:30	600	89	1.5	#0 Calibration	4	x7 foc=1290
0003.fastfoc	10	19:31	11:51:49.4	+31:30:30	600	89	1.5	#0 Calibration	4	
0004.fastfoc	10	19:32	11:51:49.4	+31:30:30	600	89	1.5	#0 Calibration	4	
0005.fastfoc	10	19:32	11:51:49.4	+31:30:30	600	89	1.5	#0 Calibration	4	
0006.fastfoc	10	19:33	11:51:49.4	+31:30:30	600	89	1.5	#0 Calibration	4	
0007.fastfoc	10	19:33	11:51:49.4	+31:30:30	600	89	1.5	#0 Calibration	4	
0008.fastfoc	10	19:34	11:51:49.4	+31:30:30	600	89	1.5	#0 Calibration	4	
0009.BIAS	0	19:38	11:51:49.4	+31:30:30	600	89	1.5	0 Calibration	4	x21
0010-0029.BIAS	0	19:40	11:51:49.4	+31:30:30	600	89	1.5	0 Calibration	4	
0030.DARK	900	19:42	11:51:49.4	+31:30:30	600	90	1.5	0 Calibration	4	x10
0031-0039.DARK	900	21:58	11:51:49.4	+31:30:30	600	90	1.5	0 Calibration	4	
0040.FLAT	12	00:16	18:31:35.3	+31:30:13	600	90	1.5	0 Calibration	4	x20
0041-0059.FLAT	12	00:23	18:31:35.3	+31:30:13	600	90	1.5	0 Calibration	4	
0060.BDp284211	180	01:31	21:51:11.0	+28:51:50	600	90	1.5	#56 Spectropho	4	
0061.COMP	10	01:35	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0062.bb327	181	01:38	21:30:13.7	-06:43:47	600	90	1.5	#178 Low Mass	4	
0063.COMP	10	01:42	21:30:13.7	-06:43:47	600	90	1.5	0 Calibration	4	
0064.bb324	275	01:43	21:27:52.8	-12:42:37	600	90	1.5	#178 Low Mass	4	
0065.COMP	10	01:48	21:27:52.8	-12:42:37	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
0066.bb325	427	01:55	21:29:16.4	-14:33:26	600	90	1.5	#178 Low Mass	4	
0067.COMP	10	02:03	21:29:16.4	-14:33:26	600	90	1.5	0 Calibration	4	
0068.bb315	381	02:05	21:23:00.7	-16:42:53	600	90	1.5	#178 Low Mass	4	
0069.COMP	10	02:11	21:23:00.7	-16:42:53	600	90	1.5	0 Calibration	4	
0070.bb310	1320	02:13	21:18:11.7	-12:36:03	600	90	1.5	#178 Low Mass	4	
0071.COMP	10	02:36	21:18:11.7	-12:36:03	600	90	1.5	0 Calibration	4	
0072.bb306	756	02:37	21:17:09.0	-23:00:59	600	90	1.5	#178 Low Mass	4	
0073.COMP	10	02:50	21:17:09.0	-23:00:59	600	90	1.5	0 Calibration	4	
0074.bb309	505	02:51	21:17:43.6	-28:28:45	600	90	1.5	#178 Low Mass	4	
0075.COMP	10	03:00	21:17:43.6	-28:28:45	600	90	1.5	0 Calibration	4	
0076.bb313	440	03:01	21:21:15.5	-29:09:00	600	90	1.5	#178 Low Mass	4	
0077.COMP	10	03:09	21:21:15.5	-29:09:00	600	90	1.5	0 Calibration	4	
0078.bb321	1320	03:11	21:25:17.5	-25:29:52	600	90	1.5	#178 Low Mass	4	
0079.COMP	10	03:33	21:25:17.5	-25:29:52	600	90	1.5	0 Calibration	4	
0080.bb317	1080	03:35	21:23:54.1	-21:36:53	600	90	1.5	#178 Low Mass	4	
0081.COMP	10	03:54	21:23:54.1	-21:36:53	600	89	1.5	0 Calibration	4	
0082.gd278	420	03:57	01:30:58.1	+53:21:40	600	90	1.5	#178 Low Mass	4	
0083.COMP	10	04:04	01:30:58.1	+53:21:40	600	90	1.5	0 Calibration	4	
0084.bb322	1080	04:06	21:26:41.3	-20:41:04	600	90	1.5	#178 Low Mass	4	
0085.COMP	10	04:25	21:26:41.3	-20:41:04	600	89	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.bb323	1380	04:26	21:27:22.8	-09:22:03	600	90	1.5	#178 Low Mass	4	
0087.COMP	10	04:50	21:27:22.8	-09:22:03	600	90	1.5	0 Calibration	4	
0088.bb431	420	04:51	22:35:43.3	-29:31:05	600	90	1.5	#178 Low Mass	4	
0089.COMP	10	04:59	22:35:43.3	-29:31:05	600	90	1.5	0 Calibration	4	
0090.bb441	190	05:00	22:44:24.6	-25:07:02	600	90	1.5	#178 Low Mass	4	
0091.COMP	10	05:03	22:44:24.6	-25:07:02	600	90	1.5	0 Calibration	4	
0092.bb446	890	05:05	22:55:06.7	-29:24:07	600	90	1.5	#178 Low Mass	4	
0093.COMP	10	05:20	22:55:06.7	-29:24:07	600	90	1.5	0 Calibration	4	
0094.bb447	329	05:21	22:56:19.9	-27:08:23	600	90	1.5	#178 Low Mass	4	
0095.COMP	10	05:27	22:56:19.9	-27:08:23	600	90	1.5	0 Calibration	4	
0096.bb444	736	05:28	22:50:10.8	-26:28:11	600	90	1.5	#178 Low Mass	4	
0097.COMP	10	05:41	22:50:10.8	-26:28:11	600	90	1.5	0 Calibration	4	
0098.bb470	1020	05:42	23:19:23.0	-24:00:49	600	88	1.5	#178 Low Mass	4	obj at row 39
0099.COMP	10	05:59	23:19:23.0	-24:00:49	600	88	1.5	0 Calibration	4	
0100.bb445	1020	06:01	22:51:54.2	-20:35:59	600	90	1.5	#178 Low Mass	4	
0101.COMP	10	06:18	22:51:54.2	-20:35:59	600	90	1.5	0 Calibration	4	
0102.bb459	660	06:19	23:05:46.4	-20:17:35	600	90	1.5	#178 Low Mass	4	
0103.COMP	10	06:31	23:05:46.4	-20:17:35	600	90	1.5	0 Calibration	4	
0104.bb487	300	06:32	23:39:24.5	-26:45:38	600	91	1.5	#178 Low Mass	4	
0105.COMP	10	06:37	23:39:24.5	-26:45:38	600	90	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0106.bb450	45	06:38	22:57:47.8	-18:22:57	600	90	1.5	#178 Low Mass	4	
0107.COMP	10	06:39	22:57:47.8	-18:22:57	600	90	1.5	0 Calibration	4	
0108.bb476	279	06:41	23:24:07.0	-18:28:13	600	90	1.5	#178 Low Mass	4	
0109.COMP	10	06:46	23:24:07.0	-18:28:13	600	90	1.5	0 Calibration	4	
0110.gd278	390	06:48	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0111.COMP	10	06:55	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0112.j2241p26	774	06:57	22:41:23.9	+26:27:44	600	86	1.5	#178 Low Mass	4	
0113.COMP	10	07:11	22:41:23.9	+26:27:44	600	87	1.5	0 Calibration	4	
0114.j2248p26	1097	07:12	22:48:41.0	+26:32:52	600	89	1.5	#178 Low Mass	4	
0115.COMP	10	07:30	22:48:41.0	+26:32:52	600	89	1.5	0 Calibration	4	
0116.j2302p21	958	07:31	23:02:18.7	+21:49:56	600	89	1.5	#178 Low Mass	4	
0117.COMP	10	07:48	23:02:18.7	+21:49:56	600	89	1.5	0 Calibration	4	
0118.j2321p19	1255	07:49	23:21:10.4	+19:14:31	600	89	1.5	#178 Low Mass	4	
0119.COMP	10	08:10	23:21:10.4	+19:14:31	600	89	1.5	0 Calibration	4	
0120.gd278	390	08:11	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0121.COMP	10	08:18	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0122.j0006p28	1019	08:20	00:06:34.7	+28:58:47	600	90	1.5	#178 Low Mass	4	
0123.COMP	10	08:37	00:06:34.7	+28:58:47	600	90	1.5	0 Calibration	4	
0124.j0024p27	1440	08:38	00:24:34.8	+27:42:06	600	89	1.5	#178 Low Mass	4	
0125.COMP	10	09:03	00:24:34.8	+27:42:06	600	89	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0126.gd278	390	09:04	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0127.COMP	10	09:11	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0128.j0039p13	1200	09:13	00:39:29.2	+13:18:06	600	89	1.5	#178 Low Mass	4	
0129.COMP	10	09:33	00:39:29.2	+13:18:06	600	89	1.5	0 Calibration	4	
0130.j0128p29	1330	09:35	01:28:30.3	+29:35:06	600	89	1.5	#178 Low Mass	4	
0131.COMP	10	09:57	01:28:30.3	+29:35:06	600	90	1.5	0 Calibration	4	
0132.gd278	420	09:58	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0133.COMP	10	10:06	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0134.j0159p09	1363	10:08	01:59:44.0	+09:09:41	600	90	1.5	#178 Low Mass	4	
0135.COMP	10	10:31	01:59:44.0	+09:09:41	600	90	1.5	0 Calibration	4	
0136.j0135p45	540	10:33	01:35:43.7	+45:25:56	600	89	1.5	#178 Low Mass	4	
0137.COMP	10	10:43	01:35:43.7	+45:25:56	600	89	1.5	0 Calibration	4	
0138.j0135p57	1424	10:44	01:35:17.6	+57:22:49	600	89	1.5	#178 Low Mass	4	
0139.COMP	10	11:08	01:35:17.6	+57:22:49	600	89	1.5	0 Calibration	4	
0140.gd278	420	11:09	01:30:58.1	+53:21:40	600	90	1.5	#178 Low Mass	4	
0141.COMP	10	11:16	01:30:58.1	+53:21:40	600	90	1.5	0 Calibration	4	
0142.gd278	450	11:21	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0143.COMP	10	11:29	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0144.gd278	450	11:29	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0145.COMP	10	11:37	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0146.gd278	450	11:38	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0147.COMP	10	11:45	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0148.gd278	480	11:46	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0149.COMP	10	11:54	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0150.gd278	540	11:55	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0151.COMP	10	12:04	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0152.gd278	570	12:04	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	HeNeAr lamp turned on during final seconds
0153.COMP	10	12:14	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0154.gd278	486	12:15	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0155.COMP	10	12:23	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0156.Feige34	210	12:27	10:39:36.7	+43:06:09	600	89	1.5	#56 Spectropho	4	
0157.COMP	10	12:31	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	
0158.DARK	900	13:00	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	x10
0159-0167.DARK	900	15:16	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	
0168.DARK	900	15:31	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	2	x10
0169-0177.DARK	900	17:49	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:44	19:16:07.2	+31:30:14	300	89	3.0	0 Calibration	4	
0011-0020.BIAS	0	00:46	19:16:07.2	+31:30:14	300	89	3.0	0 Calibration	2	
0021-0035.FLAT	7	00:53	19:16:07.2	+31:30:14	300	89	3.0	0 Calibration	2	
0036.CICyg	15	01:28	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	
0037.CICyg	30	01:29	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	
0038.CICyg	45	01:30	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	
0039.CICyg	90	01:31	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	
0040.COMP	10	01:33	19:50:12.0	+35:41:02	300	89	3.0	0 Calibration	2	
0041.CHCyg	5	01:34	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0042.CHCyg	8	01:35	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0043.CHCyg	1	01:35	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0044.COMP	10	01:35	19:24:33.0	+50:14:30	300	89	3.0	0 Calibration	2	
0045.BFCyg	15	01:37	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0046.BFCyg	30	01:38	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0047.COMP	10	01:39	19:23:53.0	+29:40:27	300	89	3.0	0 Calibration	2	
0048.HMSge	10	01:40	19:41:57.0	+16:44:41	300	89	3.0	#12 Symbiotic	2	
0049.HMSge	30	01:41	19:41:57.0	+16:44:41	300	89	3.0	#12 Symbiotic	2	
0050.HMSge	180	01:41	19:41:57.0	+16:44:41	300	89	3.0	#12 Symbiotic	2	
0051.COMP	10	01:45	19:41:57.0	+16:44:41	300	85	3.0	0 Calibration	2	
0052.V443Her	25	01:47	18:22:07.0	+23:27:20	300	85	3.0	#12 Symbiotic	2	

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0053.V443Her	90	01:48	18:22:07.0	+23:27:20	300	85	3.0	#12 Symbiotic	2	
0054.COMP	10	01:50	18:22:07.0	+23:27:20	300	85	3.0	0 Calibration	2	
0055.YYHer	60	01:51	18:14:34.0	+20:59:19	300	85	3.0	#12 Symbiotic	2	
0056.YYHer	300	01:52	18:14:34.0	+20:59:19	300	88	3.0	#12 Symbiotic	2	
0057.COMP	10	01:58	18:14:34.0	+20:59:19	300	89	3.0	0 Calibration	2	
0058.TCrB	30	02:00	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0059.TCrB	10	02:01	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0060.TCrB	45	02:01	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0061.COMP	10	02:02	15:59:30.0	+25:55:12	300	89	3.0	0 Calibration	2	
0062.PS17els	1800	02:04	16:20:35.0	+24:07:27	300	89	3.0	#225	2	
0063.COMP	10	02:34	16:20:35.0	+24:07:27	300	89	3.0	0 Calibration	2	
0064.AS289	60	02:37	18:12:22.0	-11:40:08	300	89	3.0	#12 Symbiotic	2	
0065.AS289	420	02:39	18:12:22.0	-11:40:08	300	89	3.0	#12 Symbiotic	2	
0066.COMP	10	02:46	18:12:22.0	-11:40:08	300	88	3.0	0 Calibration	2	
0067.V919Sgr	60	02:48	19:03:45.0	-16:59:56	300	88	3.0	#12 Symbiotic	2	
0068.V919Sgr	420	02:49	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0069.COMP	10	02:57	19:03:45.0	-16:59:56	300	90	3.0	0 Calibration	2	
0070.AS338	90	02:58	19:03:47.0	+16:26:17	300	89	3.0	#12 Symbiotic	2	
0071.AS338	600	03:00	19:03:47.0	+16:26:17	300	89	3.0	#12 Symbiotic	2	
0072.COMP	10	03:11	19:03:47.0	+16:26:17	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
0073.AS360	60	03:12	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0074.AS360	720	03:14	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0075.COMP	10	03:27	19:45:49.0	+18:36:49	300	89	3.0	0 Calibration	2	
0076.V1016Cyg	15	03:29	19:57:05.0	+39:49:37	300	89	3.0	#12 Symbiotic	2	
0078.V1016Cyg	45	03:30	19:57:05.0	+39:49:37	300	89	3.0	#12 Symbiotic	2	
0079.V1016Cyg	3	03:31	19:57:05.0	+39:49:37	300	89	3.0	#12 Symbiotic	2	
0080.V1016Cyg	150	03:31	19:57:05.0	+39:49:37	300	89	3.0	#12 Symbiotic	2	
0081.COMP	10	03:34	19:57:05.0	+39:49:37	300	89	3.0	0 Calibration	2	
0082.PUVu1	30	03:36	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0083.PUVu1	15	03:37	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0084.PUVu1	300	03:37	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0085.COMP	10	03:43	20:21:13.0	+21:34:21	300	90	3.0	0 Calibration	2	
0086.V1329Cyg	30	03:44	20:51:01.0	+35:34:55	300	90	3.0	#12 Symbiotic	2	
0087.V1329Cyg	60	03:45	20:51:01.0	+35:34:55	300	90	3.0	#12 Symbiotic	2	
0088.V1329Cyg	180	03:47	20:51:01.0	+35:34:55	300	90	3.0	#12 Symbiotic	2	
0089.COMP	10	03:51	20:51:01.0	+35:34:55	300	89	3.0	0 Calibration	2	
0090.ZAnd	3	03:53	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0091.ZAnd	10	03:54	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0092.ZAnd	60	03:55	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0093.COMP	10	03:56	23:33:40.0	+48:49:06	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
0094.AGPeg	2	03:58	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0095.AGPeg	6	03:59	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0096.AGPeg	15	03:59	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0097.COMP	10	04:00	21:51:02.0	+12:37:33	300	89	3.0	0 Calibration	2	
0098.RAqr	2	04:02	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0099.RAqr	6	04:02	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0100.RAqr	15	04:03	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0101.RAqr	30	04:03	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0102.COMP	10	04:04	23:43:49.0	-15:17:05	300	89	3.0	0 Calibration	2	
0103.BRUTUS8048_5	300	04:07	23:58:44.4	-16:50:02	300	89	3.0	#220 ASASSN Tr	2	no target
0104.COMP	10	04:13	23:58:44.4	-16:50:02	300	89	3.0	0 Calibration	2	
0105.BDp174708	90	04:19	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0106.COMP	10	04:21	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0107.BDp284211	150	04:22	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0108.COMP	10	04:25	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0109.BIAS	0	04:29	23:40:00.0	+32:00:00	600	89	1.5	0 Calibration	4	
0110.BDp284211	150	04:31	21:51:11.0	+28:51:50	600	89	1.5	#56 Spectropho	4	600-line, 1.5-sec, blue
0111.COMP	10	04:34	21:51:11.0	+28:51:50	600	89	1.5	0 Calibration	4	
0112.gd278	420	04:36	01:30:58.1	+53:21:40	600	88	1.5	#178 Low Mass	4	
0113.COMP	10	04:44	01:30:58.1	+53:21:40	600	88	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0114.bb328	90	04:46	21:30:17.6	-24:41:11	600	88	1.5	#178 Low Mass	4	
0115.COMP	10	04:48	21:30:17.6	-24:41:11	600	88	1.5	0 Calibration	4	
0116.bb404	120	04:49	22:07:12.3	-21:21:21	600	88	1.5	#178 Low Mass	4	
0117.COMP	10	04:51	22:07:12.3	-21:21:21	600	88	1.5	0 Calibration	4	
0118.bb435	75	04:52	22:39:37.7	-24:55:03	600	88	1.5	#178 Low Mass	4	
0119.COMP	10	04:54	22:39:37.7	-24:55:03	600	88	1.5	0 Calibration	4	
0120.bb438	30	04:55	22:42:21.8	-20:37:32	600	88	1.5	#178 Low Mass	4	
0121.COMP	10	04:56	22:42:21.8	-20:37:32	600	88	1.5	0 Calibration	4	
0122.bb368	120	04:57	21:43:07.8	-12:05:37	600	88	1.5	#178 Low Mass	4	
0123.COMP	10	04:59	21:43:07.8	-12:05:37	600	88	1.5	0 Calibration	4	
0124.bb335	300	05:00	21:31:20.6	-06:30:19	600	88	1.5	#178 Low Mass	4	
0125.COMP	10	05:06	21:31:20.6	-06:30:19	600	88	1.5	0 Calibration	4	
0126.bb429	40	05:07	22:32:28.9	-10:30:01	600	88	1.5	#178 Low Mass	4	
0127.COMP	10	05:08	22:32:28.9	-10:30:01	600	88	1.5	0 Calibration	4	
0128.bb443	1020	05:09	22:46:04.9	-18:59:11	600	88	1.5	#178 Low Mass	4	
0129.COMP	10	05:27	22:46:04.9	-18:59:11	600	88	1.5	0 Calibration	4	
0130.gd278	420	05:30	01:30:58.1	+53:21:40	600	88	1.5	#178 Low Mass	4	
0131.COMP	10	05:37	01:30:58.1	+53:21:40	600	85	1.5	0 Calibration	4	
0132.bb437	60	05:39	22:41:44.7	+01:12:36	600	85	1.5	#178 Low Mass	4	
0133.COMP	10	05:40	22:41:44.7	+01:12:36	600	85	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0134.bb442	660	05:42	22:44:53.8	-15:19:22	600	85	1.5	#178 Low Mass	4	
0135.COMP	10	05:53	22:44:53.8	-15:19:22	600	85	1.5	0 Calibration	4	
0136.j2324p11	1200	05:55	23:24:52.0	+11:32:29	600	85	1.5	#178 Low Mass	4	seeing worse
0137.COMP	10	06:16	23:24:52.0	+11:32:29	600	88	1.5	0 Calibration	4	
0138.gd278	420	06:18	01:30:58.1	+53:21:40	600	88	1.5	#178 Low Mass	4	
0139.COMP	10	06:26	01:30:58.1	+53:21:40	600	88	1.5	0 Calibration	4	
0140.j2346p22	1360	06:28	23:46:33.8	+22:00:43	600	88	1.5	#178 Low Mass	4	
0141.COMP	10	06:51	23:46:33.8	+22:00:43	600	88	1.5	0 Calibration	4	
0142.j2359p29	1260	06:54	23:59:57.8	+29:40:09	600	88	1.5	#178 Low Mass	4	
0143.COMP	10	07:15	23:59:57.8	+29:40:09	600	87	1.5	0 Calibration	4	
0144.gd278	420	07:18	01:30:58.1	+53:21:40	600	87	1.5	#178 Low Mass	4	
0145.COMP	10	07:25	01:30:58.1	+53:21:40	600	87	1.5	0 Calibration	4	
0146.j0027m07	300	07:27	00:27:02.8	-07:51:12	600	88	1.5	#178 Low Mass	4	
0147.COMP	10	07:33	00:27:02.8	-07:51:12	600	88	1.5	0 Calibration	4	
0148.j0031p35	1400	07:39	00:31:09.8	+35:22:55	600	88	1.5	#178 Low Mass	4	
0149.COMP	10	08:03	00:31:09.8	+35:22:55	600	88	1.5	0 Calibration	4	
0150.gd278	420	08:05	01:30:58.1	+53:21:40	600	88	1.5	#178 Low Mass	4	
0151.COMP	10	08:12	01:30:58.1	+53:21:40	600	88	1.5	0 Calibration	4	
0152.j0021p38	1500	08:15	00:21:47.5	+38:27:26	600	88	1.5	#178 Low Mass	4	
0153.COMP	10	08:41	00:21:47.5	+38:27:26	600	89	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0154.j0213m18	1260	08:44	02:13:06.7	-18:25:20	600	89	1.5	#178 Low Mass	4	
0155.COMP	10	09:05	02:13:06.7	-18:25:20	600	89	1.5	0 Calibration	4	
0156.gd278	480	09:08	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0157.COMP	10	09:17	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0158.bb741	480	09:19	04:53:14.5	-08:51:46	600	89	1.5	#178 Low Mass	4	
0159.COMP	10	09:28	04:53:14.5	-08:51:46	600	89	1.5	0 Calibration	4	
0160.bb760	180	09:29	05:03:42.2	-16:04:30	600	89	1.5	#178 Low Mass	4	
0161.COMP	10	09:33	05:03:42.2	-16:04:30	600	89	1.5	0 Calibration	4	
0162.bb749	1800	09:34	04:56:15.2	-24:47:37	600	89	1.5	#178 Low Mass	4	
0163.COMP	10	10:04	04:56:15.2	-24:47:37	600	89	1.5	0 Calibration	4	
0164.gd278	480	10:07	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0165.COMP	10	10:16	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0166.bb762	1800	10:20	05:05:12.9	-24:46:09	600	89	1.5	#178 Low Mass	4	
0167.COMP	10	10:50	05:05:12.9	-24:46:09	600	88	1.5	0 Calibration	4	
0168.gd278	480	10:54	01:30:58.1	+53:21:40	600	88	1.5	#178 Low Mass	4	
0169.COMP	10	11:02	01:30:58.1	+53:21:40	600	88	1.5	0 Calibration	4	
0170.j0153p18	1800	11:05	01:53:42.0	+18:08:58	600	88	1.5	#178 Low Mass	4	
0171.COMP	10	11:36	01:53:42.0	+18:08:58	600	88	1.5	0 Calibration	4	
0172-0181.FLAT	12	11:40	06:45:00.0	+32:00:00	600	88	1.5	0 Calibration	4	
0182.test	10	11:44	07:00:00.0	+32:00:00	300	88	3.0	#178 Low Mass	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0183.test	10	11:45	07:00:00.0	+32:00:00	300	88	3.0	#178 Low Mass	2	
0184.test	10	11:47	07:00:00.0	+32:00:00	300	88	3.0	#178 Low Mass	2	
0185.test	10	11:47	07:00:00.0	+32:00:00	300	88	3.0	#178 Low Mass	2	
0186.test	10	11:48	07:00:00.0	+32:00:00	300	88	3.0	#178 Low Mass	2	
0187.test	10	11:49	07:00:00.0	+32:00:00	300	88	3.0	#178 Low Mass	2	
0188.sn2017hmz	1800	11:51	07:03:50.1	+13:16:17	300	88	3.0	#2 SN Observat	2	300-line, 3-sec
0189.COMP	10	12:22	07:03:50.1	+13:16:17	300	88	3.0	0 Calibration	2	
0191.SS129	720	12:25	07:32:45.0	-26:49:16	300	87	3.0	#12 Symbiotic	2	
0192.SS129	300	12:37	07:32:45.0	-26:49:16	300	87	3.0	#12 Symbiotic	2	
0193.COMP	10	12:42	07:32:45.0	-26:49:16	300	87	3.0	0 Calibration	2	
0194-0203.BIAS	0	12:46	07:32:45.0	-26:49:16	300	87	3.0	0 Calibration	2	
0204-0218.FLAT	7	12:52	07:32:45.0	-26:49:16	300	87	3.0	0 Calibration	2	
0219-0223.DARK	900	14:01	07:32:45.0	-26:49:16	300	87	3.0	0 Calibration	2	
0224-0228.DARK	900	15:17	07:32:45.0	-26:49:16	300	87	3.0	0 Calibration	4	