

UT Date 2017-01-02 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0032.DARK	900	02:45	02:38:47.5	+31:26:13	300	87	3.0	0 Calibration	4	
0033-0042.BIAS	0	03:11	02:38:47.5	+31:26:13	300	87	3.0	0 Calibration	4	
0043-0062.FLAT	7	03:18	02:38:47.5	+31:26:13	300	87	3.0	0 Calibration	2	
0063-0072.BIAS	0	03:20	02:38:47.5	+31:26:13	300	87	3.0	0 Calibration	2	
0073.M31	60	03:28	00:42:44.3	+41:16:09	300	87	3.0	#57 Velocity S	2	
0074.COMP	10	03:29	00:42:44.3	+41:16:09	300	87	3.0	0 Calibration	2	
0075.EGAnd	1	04:07	00:44:37.0	+40:40:47	300	87	3.0	#12 Symbiotic	2	
0076.EGAnd	5	04:08	00:44:37.0	+40:40:47	300	87	3.0	#12 Symbiotic	2	
0077.EGAnd	10	04:08	00:44:37.0	+40:40:47	300	87	3.0	#12 Symbiotic	2	
0078.COMP	10	04:11	00:44:37.0	+40:40:47	300	87	3.0	0 Calibration	2	
0079.AXPer	4	04:17	01:36:23.0	+54:15:03	300	87	3.0	#12 Symbiotic	2	
0080.AXPer	30	04:19	01:36:23.0	+54:15:03	300	87	3.0	#12 Symbiotic	2	
0081.AXPer	90	04:20	01:36:23.0	+54:15:03	300	87	3.0	#12 Symbiotic	2	
0082.COMP	10	04:22	01:36:23.0	+54:15:03	300	87	3.0	0 Calibration	2	
0083.GITau	240	04:25	04:33:34.0	+24:21:18	300	87	3.0	#12 Symbiotic	2	
0084.COMP	10	04:31	04:33:34.0	+24:21:18	300	87	3.0	0 Calibration	2	
0085.GKTau	240	04:32	04:33:34.5	+24:21:07	300	87	3.0	#12 Symbiotic	2	
0086.COMP	10	04:37	04:33:34.5	+24:21:07	300	87	3.0	0 Calibration	2	
0087.BGGem	300	04:41	06:03:31.0	+27:41:50	300	87	3.0	#12 Symbiotic	2	
0088.COMP	10	04:46	06:03:31.0	+27:41:50	300	87	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.BGGem	1200	04:49	06:03:31.0	+27:41:50	300	87	3.0	#12 Symbiotic	2	
0090.COMP	10	05:09	06:03:31.0	+27:41:50	300	87	3.0	0 Calibration	2	
0091.HD19445	10	05:13	03:08:25.6	+26:19:51	300	87	3.0	#56 Spectropho	2	
0092.COMP	10	05:13	03:08:25.6	+26:19:51	300	87	3.0	0 Calibration	2	
0093.G191B2B	300	05:16	05:05:30.6	+52:49:52	300	87	3.0	#56 Spectropho	2	
0094.COMP	10	05:22	05:05:30.6	+52:49:52	300	82	3.0	0 Calibration	2	
0095.j0105p02	1800	05:30	01:05:28.7	+02:05:01	600	82	1.5	#178 Low Mass	4	
0096.COMP	10	06:01	01:05:28.7	+02:05:01	600	82	1.5	0 Calibration	4	
0097-0106.FLAT	12	08:02	02:34:56.1	-06:09:13	600	87	1.5	0 Calibration	4	
0107.j0533m07	1200	08:06	05:33:16.9	-07:50:50	600	87	1.5	#178 Low Mass	4	
0108.COMP	10	08:27	05:33:16.9	-07:50:50	600	86	1.5	0 Calibration	4	
0109.j0536p03	1500	08:32	05:36:59.6	+03:53:53	600	87	1.5	#178 Low Mass	4	
0110.COMP	10	08:57	05:36:59.6	+03:53:53	600	87	1.5	0 Calibration	4	
0111.j0538p01	1200	08:59	05:38:26.8	+01:03:26	600	87	1.5	#178 Low Mass	4	
0112.COMP	10	09:19	05:38:26.8	+01:03:26	600	87	1.5	0 Calibration	4	
0113.j0538p63	1660	09:27	05:38:43.5	+63:22:59	600	87	1.5	#178 Low Mass	4	
0114.COMP	10	09:55	05:38:43.5	+63:22:59	600	88	1.5	0 Calibration	4	
0115.Feige34	210	09:58	10:39:36.7	+43:06:09	600	88	1.5	#56 Spectropho	4	
0116.COMP	10	10:02	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	
0117.snASASSN16oz	1800	10:10	09:00:13.4	-13:38:03	300	89	3.0	#220 ASASSN Tr	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0118.COMP	10	10:40	09:00:13.4	-13:38:03	300	87	3.0	0 Calibration	2	
0119.HD84937	30	10:43	09:48:56.1	+13:44:39	300	87	3.0	#56 Spectropho	2	
0120.COMP	10	10:44	09:48:56.1	+13:44:39	300	87	3.0	0 Calibration	2	
0121.SS129	300	10:54	07:32:45.0	-26:49:16	300	82	3.0	#12 Symbiotic	2	
0122.SS129	300	11:00	07:32:45.0	-26:49:16	300	82	3.0	#12 Symbiotic	2	
0123.COMP	10	11:05	07:32:45.0	-26:49:16	300	81	3.0	0 Calibration	2	
0124.BXMon	180	11:08	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0125.BXMon	15	11:12	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0126.COMP	10	11:13	07:25:23.0	-03:35:51	300	89	3.0	0 Calibration	2	
0127.snASASSN16ns	2100	11:22	10:04:18.6	+43:25:29	300	83	3.0	#220 ASASSN Tr	2	
0128.COMP	10	12:07	10:04:18.6	+43:25:29	300	83	3.0	0 Calibration	2	
0129.sn2016jdw	1800	12:10	13:16:19.6	+30:40:33	300	90	3.0	#2 SN Observat	2	
0130.COMP	10	12:41	13:16:19.6	+30:40:33	300	89	3.0	0 Calibration	2	
0131.BRUTUS7752_9	1800	12:48	14:14:31.6	+03:11:20	300	100	3.0	#220 ASASSN Tr	2	
0132.COMP	10	13:18	14:14:31.6	+03:11:20	300	100	3.0	0 Calibration	2	
0133.Feige34	150	13:21	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0134.COMP	10	13:24	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0135.TXCVn	10	13:26	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0136.TXCVn	30	13:27	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0137.COMP	10	13:28	12:44:42.0	+36:45:48	300	90	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>
0138-0147.BIAS	0	13:32	12:44:42.0	+36:45:48	300	90	3.0	0 Calibration	2	
0148-0167.FLAT	7	13:38	12:44:42.0	+36:45:48	300	90	3.0	0 Calibration	2	
0168-0177.DARK	900	15:58	12:44:42.0	+36:45:48	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.BIAS	0	01:28	00:43:14.4	+41:07:21	300	90	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:34	00:43:14.4	+41:07:21	300	90	3.0	0 Calibration	2	
0026.NGC1700	300	06:45	04:56:56.3	-04:51:57	300	90	3.0	#57 Velocity S	2	
0027.COMP	10	06:51	04:56:56.3	-04:51:57	300	90	3.0	0 Calibration	2	
0028.AWI00062to	900	06:52	05:54:38.0	+01:29:51	300	90	3.0	#219 WISE Debr	2	
0029.COMP	10	07:08	05:54:38.0	+01:29:51	300	89	3.0	0 Calibration	2	
0030.AWI000639q	900	07:10	06:30:16.6	-16:29:37	300	89	3.0	#219 WISE Debr	2	
0031.COMP	10	07:25	06:30:16.6	-16:29:37	300	89	3.0	0 Calibration	2	
0032.Hiltner600	90	07:27	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0033.COMP	10	07:29	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0034.AWI000639t	900	07:30	06:32:13.3	-14:11:02	300	89	3.0	#219 WISE Debr	2	
0035.COMP	10	07:46	06:32:13.3	-14:11:02	300	89	3.0	0 Calibration	2	
0036.AWI0003m38	900	07:47	06:59:12.1	-09:08:54	300	89	3.0	#219 WISE Debr	2	
0037.COMP	10	08:03	06:59:12.1	-09:08:54	300	89	3.0	0 Calibration	2	
0038.AWI0000zu3	900	08:04	07:19:33.7	-10:19:52	300	89	3.0	#219 WISE Debr	2	
0039.COMP	10	08:20	07:19:33.7	-10:19:52	300	89	3.0	0 Calibration	2	
0040.AWI0005n01	1200	08:22	05:25:11.3	+19:15:48	300	89	3.0	#219 WISE Debr	2	
0041.COMP	10	08:42	05:25:11.3	+19:15:48	300	89	3.0	0 Calibration	2	
0042.06113223+0755508	1800	08:45	06:11:32.2	+07:55:51	300	89	3.0	#141 2MASS Red	2	
0043.06113223+0755508	1800	09:16	06:11:32.2	+07:55:51	300	89	3.0	#141 2MASS Red	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.COMP	10	09:46	06:11:32.2	+07:55:51	300	89	3.0	0 Calibration	2	
0045.snASASSN16oz	1800	09:49	09:00:13.4	-13:38:03	300	89	3.0	#220 ASASSN Tr	2	
0046.COMP	10	10:19	09:00:13.4	-13:38:03	300	89	3.0	0 Calibration	2	
0047.snASASSN16pk	1800	10:29	12:27:39.9	+40:36:53	300	89	3.0	#2 SN Observat	2	
0048.COMP	10	11:00	12:27:39.9	+40:36:53	300	89	3.0	0 Calibration	2	
0049.sn2016jdw	1800	11:05	13:16:19.6	+30:40:33	300	89	3.0	#2 SN Observat	2	
0050.sn2016jdw	1800	11:36	13:16:19.6	+30:40:33	300	89	3.0	#2 SN Observat	2	
0051.COMP	10	12:07	13:16:19.6	+30:40:33	300	90	3.0	0 Calibration	2	
0052.Feige34	180	12:09	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0053.COMP	10	12:13	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0054.HD84937	30	12:15	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0055.HD84937	30	12:16	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0056.COMP	10	12:17	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0057.HD84937	300	12:25	14:32:36.6	-00:05:30	300	90	3.0	#56 Spectropho	2	
0058.COMP	10	12:31	14:32:36.6	-00:05:30	300	89	3.0	0 Calibration	2	
0059.AWI0005dwe	300	12:36	13:22:17.7	+62:33:38	300	89	3.0	#219 WISE Debr	2	
0060.COMP	10	12:42	13:22:17.7	+62:33:38	300	89	3.0	0 Calibration	2	
0061.AWI0005dq1	90	12:49	15:18:39.0	-00:10:04	300	89	3.0	#219 WISE Debr	2	
0062.AWI0005dq1	60	12:52	15:18:39.0	-00:10:04	300	89	3.0	#219 WISE Debr	2	
0063.COMP	10	12:54	15:18:39.0	-00:10:04	300	89	3.0	0 Calibration	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0064.AWI0005dqb	900	12:59	15:09:37.8	-05:36:55	300	89	3.0	#219 WISE Debr	2	
0065.COMP	10	13:15	15:09:37.8	-05:36:55	300	89	3.0	0 Calibration	2	
0066.AWI0005dpu	20	13:17	14:53:51.4	-09:05:10	300	89	3.0	#219 WISE Debr	2	
0067.COMP	10	13:18	14:53:51.4	-09:05:10	300	89	3.0	0 Calibration	2	
0068-0077.BIAS	0	13:23	14:53:51.4	-09:05:10	300	89	3.0	0 Calibration	2	
0078-0092.FLAT	7	13:29	14:53:51.4	-09:05:10	300	89	3.0	0 Calibration	2	
0093-0096.DARK	1200	14:34	14:53:51.4	-09:05:10	300	89	3.0	0 Calibration	2	

UT Date 2017-01-04 Observers P BerlindColl. Focus 1280 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:03	14:53:51.4	-09:05:10	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	00:09	14:53:51.4	-09:05:10	300	89	3.0	0 Calibration	2	
0026-0030.DARK	1200	01:33	14:53:51.4	-09:05:10	300	89	3.0	0 Calibration	2	
0031.HD84937	30	10:47	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0032.COMP	10	10:48	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0033.BRUTUS7756_18	1200	10:51	12:09:33.6	+17:00:56	300	0	3.0	#220 ASASSN Tr	2	
0034.BRUTUS7756_18	388	11:14	12:09:33.6	+17:00:56	300	1	3.0	#220 ASASSN Tr	2	
0035.COMP	10	11:21	12:09:33.6	+17:00:56	300	1	3.0	0 Calibration	2	
0036.BIAS	0	11:26	11:35:00.0	+32:00:00	600	90	1.5	0 Calibration	4	
0037.Feige34	180	11:27	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0038.COMP	10	11:31	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0039.j0847p51	1080	11:32	08:47:02.3	+51:28:53	600	90	1.5	#178 Low Mass	4	
0040.COMP	10	11:51	08:47:02.3	+51:28:53	600	89	1.5	0 Calibration	4	
0041.j0845p60	1200	11:52	08:45:51.1	+60:09:14	600	89	1.5	#178 Low Mass	4	
0042.COMP	10	12:13	08:45:51.1	+60:09:14	600	88	1.5	0 Calibration	4	
0043.j0947p26	1200	12:15	09:47:34.7	+26:01:37	600	88	1.5	#178 Low Mass	4	
0044.COMP	10	12:35	09:47:34.7	+26:01:37	600	90	1.5	0 Calibration	4	
0045.j1241m13	900	12:37	12:41:55.8	-13:35:02	600	90	1.5	#178 Low Mass	4	
0046.COMP	10	12:53	12:41:55.8	-13:35:02	600	89	1.5	0 Calibration	4	
0047-0056.BIAS	0	12:57	12:41:55.8	-13:35:02	600	89	1.5	0 Calibration	4	

UT Date 2017-01-04 Observers P BerlindColl. Focus 1280 Grating/Grism 600

<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>
0057-0071.FLAT	12	13:02	12:41:55.8	-13:35:02	600	89	1.5	0 Calibration	4	
0072-0076.DARK	1200	14:25	12:41:55.8	-13:35:02	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
0001-0010.BIAS	0	02:41	02:13:46.3	+31:25:50	600	89	1.5	0 Calibration	4	
0011-0030.FLAT	7	02:54	02:13:46.3	+31:25:50	300	89	3.0	0 Calibration	2	
0031-0040.BIAS	0	02:56	02:13:46.3	+31:25:50	300	89	3.0	0 Calibration	2	
0041.j0218p22	1650	03:48	02:18:56.6	+22:08:49	600	90	1.5	#178 Low Mass	4	
0042.COMP	10	04:16	02:18:56.6	+22:08:49	600	89	1.5	0 Calibration	4	
0043.j0221p04	1420	04:19	02:21:57.9	+04:45:19	600	89	1.5	#178 Low Mass	4	
0044.COMP	10	04:43	02:21:57.9	+04:45:19	600	87	1.5	0 Calibration	4	
0045.j0243p01	1500	04:45	02:43:15.8	+01:19:56	600	87	1.5	#178 Low Mass	4	
0046.COMP	10	05:10	02:43:15.8	+01:19:56	600	87	1.5	0 Calibration	4	
0047.j0234m06	906	05:13	02:34:56.1	-06:09:13	600	87	1.5	#178 Low Mass	4	
0048.COMP	10	05:29	02:34:56.1	-06:09:13	600	87	1.5	0 Calibration	4	
0049.j0240m16	838	05:31	02:40:15.6	-16:31:39	600	87	1.5	#178 Low Mass	4	
0050.COMP	10	05:46	02:40:15.6	-16:31:39	600	87	1.5	0 Calibration	4	
0051.G191B2B	300	05:48	05:05:30.6	+52:49:52	600	87	1.5	#56 Spectropho	4	
0052.COMP	10	05:54	05:05:30.6	+52:49:52	600	86	1.5	0 Calibration	4	
0053-0062.FLAT	12	06:03	01:58:04.7	-00:52:22	600	86	1.5	0 Calibration	4	
0063.COMP	10	06:11	01:58:04.7	-00:52:22	300	86	3.0	0 Calibration	2	
0064.COMP	5	06:13	01:58:04.7	-00:52:22	300	86	3.0	0 Calibration	2	
0065.COMP	5	06:14	01:58:04.7	-00:52:22	300	86	3.0	0 Calibration	2	
0066.COMP	5	06:16	01:58:04.7	-00:52:22	300	86	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.COMP	5	06:18	01:58:04.7	-00:52:22	300	86	3.0	0 Calibration	2	
0068.COMP	5	06:19	01:58:04.7	-00:52:22	300	86	3.0	0 Calibration	2	
0069.PS16dtm	1800	06:22	01:58:04.7	-00:52:22	300	89	3.0	#225	2	
0070.COMP	10	06:53	01:58:04.7	-00:52:22	300	88	3.0	0 Calibration	2	
0071.G191B2B	300	06:57	05:05:30.6	+52:49:52	300	88	3.0	#56 Spectropho	2	
0072.COMP	10	07:02	05:05:30.6	+52:49:52	300	88	3.0	0 Calibration	2	
0073.Hiltner600	90	07:06	06:45:13.4	+02:08:15	300	88	3.0	#56 Spectropho	2	
0074.COMP	10	07:08	06:45:13.4	+02:08:15	300	88	3.0	0 Calibration	2	
0075-0084.FLAT	7	07:13	06:45:13.4	+02:08:15	300	88	3.0	0 Calibration	2	
0085.j0434m00	1700	07:19	04:34:35.7	-00:35:28	600	88	1.5	#178 Low Mass	4	
0086.COMP	10	07:48	04:34:35.7	-00:35:28	600	87	1.5	0 Calibration	4	
0087.j0436m06	305	07:50	04:36:19.2	-06:54:13	600	87	1.5	#178 Low Mass	4	
0088.COMP	10	07:56	04:36:19.2	-06:54:13	600	87	1.5	0 Calibration	4	
0089.j0439p00	1300	07:59	04:39:07.8	+00:27:29	600	87	1.5	#178 Low Mass	4	
0090.COMP	10	08:21	04:39:07.8	+00:27:29	600	88	1.5	0 Calibration	4	
0091.j0439m04	1400	08:23	04:39:55.3	-04:05:52	600	88	1.5	#178 Low Mass	4	
0092.COMP	10	08:47	04:39:55.3	-04:05:52	600	88	1.5	0 Calibration	4	
0093.j0650m19	1600	08:50	06:50:56.4	-19:15:31	600	88	1.5	#178 Low Mass	4	
0094.COMP	10	09:18	06:50:56.4	-19:15:31	600	88	1.5	0 Calibration	4	
0095.Feige34	180	09:37	10:39:36.7	+43:06:09	600	87	1.5	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0096.COMP	10	09:41	10:39:36.7	+43:06:09	600	88	1.5	0 Calibration	4	
0097.j0744p24	1500	09:44	07:44:45.3	+24:43:11	600	88	1.5	#178 Low Mass	4	
0098.COMP	10	10:09	07:44:45.3	+24:43:11	600	88	1.5	0 Calibration	4	
0099-0108.FLAT	12	10:14	07:44:45.3	+24:43:11	600	88	1.5	0 Calibration	4	
0109.snASASSN16pk	2100	10:32	12:27:39.9	+40:36:53	300	88	3.0	#220 ASASSN Tr	2	
0110.COMP	10	11:10	12:27:39.9	+40:36:53	300	88	3.0	0 Calibration	2	
0111.sn2016jdw	2100	11:15	13:16:19.6	+30:40:33	300	88	3.0	#2 SN Observat	2	
0112.COMP	10	11:50	13:16:19.6	+30:40:33	300	87	3.0	0 Calibration	2	
0113.BRUTUS7758_7	2100	11:54	11:10:01.9	+63:38:34	300	75	3.0	#220 ASASSN Tr	2	
0114.COMP	10	12:29	11:10:01.9	+63:38:34	300	75	3.0	0 Calibration	2	
0115.HD84937	20	12:32	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0116.COMP	10	12:33	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0117.Feige34	240	12:35	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0118.COMP	10	12:39	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0119.N3379	300	12:45	10:47:49.6	+12:34:54	300	90	3.0	#57 Velocity S	2	
0120.COMP	10	12:50	10:47:49.6	+12:34:54	300	90	3.0	0 Calibration	2	
0121.TCrB	20	12:55	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0122.TCrB	90	12:55	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0123.COMP	10	12:57	15:59:30.0	+25:55:12	300	90	3.0	0 Calibration	2	
0124.AGDra	4	13:01	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0125.AGDra	20	13:01	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0126.AGDra	90	13:02	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0127.COMP	10	13:04	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0128-0147.FLAT	7	13:19	16:17:02.5	+10:41:35	300	90	3.0	0 Calibration	2	
0148-0157.BIAS	0	13:22	16:17:02.5	+10:41:35	300	90	3.0	0 Calibration	2	
0158-0162.DARK	900	14:25	16:17:02.5	+10:41:35	300	90	3.0	0 Calibration	4	
0163-0167.DARK	900	15:41	16:17:02.5	+10:41:35	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.BIAS	0	01:21	00:42:41.8	+40:51:55	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:27	00:42:41.8	+40:51:55	300	89	3.0	0 Calibration	2	
0026.225m280	900	01:59	00:44:29.8	+41:21:25	300	89	3.0	#57 Velocity S	2	
0027.COMP	10	02:15	00:44:29.8	+41:21:25	300	88	3.0	0 Calibration	2	
0028.HD19445	15	02:17	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0029.COMP	10	02:17	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0030.snAT2017lm	900	02:22	03:01:32.4	-15:00:57	300	88	3.0	#2 SN Observat	2	
0031.snAT2017lm	900	02:38	03:01:32.4	-15:00:57	300	88	3.0	#2 SN Observat	2	
0032.snAT2017lm	900	02:53	03:01:32.4	-15:00:57	300	88	3.0	#2 SN Observat	2	
0033.COMP	10	03:08	03:01:32.4	-15:00:57	300	89	3.0	0 Calibration	2	
0034.BIAS	0	03:13	04:20:06.3	+32:33:06	600	89	1.5	0 Calibration	4	
0035.j0358p13	1800	03:15	03:58:09.4	+13:45:39	600	80	1.5	#178 Low Mass	4	600-line, 1.5-sec, blue 445
0036.COMP	10	03:46	03:58:09.4	+13:45:39	600	80	1.5	0 Calibration	4	
0037.j0353m11	1500	03:51	03:53:26.1	-11:10:47	600	80	1.5	#178 Low Mass	4	poor seeing
0038.COMP	10	04:16	03:53:26.1	-11:10:47	600	80	1.5	0 Calibration	4	
0039.j0442m05	1500	04:32	04:42:07.4	-05:36:33	600	90	1.5	#178 Low Mass	4	
0040.COMP	10	04:58	04:42:07.4	-05:36:33	600	89	1.5	0 Calibration	4	
0041.j0510m00	900	05:00	05:10:02.9	-00:37:56	600	90	1.5	#178 Low Mass	4	
0042.COMP	10	05:20	05:10:02.9	-00:37:56	600	90	1.5	0 Calibration	4	
0043.j0724p15	1500	05:27	07:24:55.0	+15:16:51	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
0044.COMP	10	05:54	07:24:55.0	+15:16:51	600	89	1.5	0 Calibration	4	
0045.j0731p24	1800	05:56	07:31:10.3	+24:17:04	600	89	1.5	#178 Low Mass	4	
0046.COMP	10	06:28	07:31:10.3	+24:17:04	600	89	1.5	0 Calibration	4	
0047.j0734p30	1800	06:32	07:34:02.1	+30:15:06	600	80	1.5	#178 Low Mass	4	
0048.COMP	10	07:06	07:34:02.1	+30:15:06	600	80	1.5	0 Calibration	4	
0049.j0748p11	1800	07:10	07:48:42.5	+11:25:02	600	89	1.5	#178 Low Mass	4	
0050.COMP	10	07:47	07:48:42.5	+11:25:02	600	90	1.5	0 Calibration	4	
0051.Feige34	180	07:57	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0052.COMP	10	08:00	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0053-0062.FLAT	12	08:04	10:00:00.0	+32:00:00	600	90	1.5	0 Calibration	4	
0063.BIAS	0	08:09	10:00:00.0	+32:00:00	300	90	3.0	0 Calibration	2	
0065.HD84937	60	08:20	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0066.HD84937	60	08:22	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0067.COMP	10	08:23	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0068.snASASSN16oz	900	08:26	09:00:13.4	-13:38:03	300	90	3.0	#220 ASASSN Tr	2	
0069.snASASSN16oz	900	08:41	09:00:13.4	-13:38:03	300	90	3.0	#220 ASASSN Tr	2	
0070.snASASSN16oz	900	08:56	09:00:13.4	-13:38:03	300	90	3.0	#220 ASASSN Tr	2	
0071.snASASSN16oz	900	09:11	09:00:13.4	-13:38:03	300	90	3.0	#220 ASASSN Tr	2	
0072.COMP	10	09:28	09:00:13.4	-13:38:03	300	90	3.0	0 Calibration	2	
0073.snASASSN17bc	900	09:32	07:10:13.6	+27:12:10	300	90	3.0	#220 ASASSN Tr	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0074.snASASSN17bc	900	09:47	07:10:13.6	+27:12:10	300	90	3.0	#220 ASASSN Tr	2	
0075.snASASSN17bc	900	10:03	07:10:13.6	+27:12:10	300	90	3.0	#220 ASASSN Tr	2	
0076.snASASSN17bc	900	10:18	07:10:13.6	+27:12:10	300	90	3.0	#220 ASASSN Tr	2	
0077.COMP	10	10:33	07:10:13.6	+27:12:10	300	89	3.0	0 Calibration	2	
0078.Feige34	240	10:39	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0079.COMP	10	10:43	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0080.snASASSN17aj	900	10:46	11:33:10.6	-10:13:18	300	89	3.0	#220 ASASSN Tr	2	
0081.snASASSN17aj	900	11:02	11:33:10.6	-10:13:18	300	89	3.0	#220 ASASSN Tr	2	
0082.snASASSN17aj	900	11:17	11:33:10.6	-10:13:18	300	89	3.0	#220 ASASSN Tr	2	
0083.COMP	10	11:33	11:33:10.6	-10:13:18	300	89	3.0	0 Calibration	2	
0084.sn2017hn	900	11:38	13:07:39.5	+06:20:15	300	89	3.0	#220 ASASSN Tr	2	
0085.sn2017hn	900	11:53	13:07:39.5	+06:20:15	300	89	3.0	#220 ASASSN Tr	2	
0086.COMP	10	12:09	13:07:39.5	+06:20:15	300	89	3.0	0 Calibration	2	
0087.snASASSN17bb	900	12:11	15:20:40.8	+04:39:34	300	89	3.0	#220 ASASSN Tr	2	
0088.snASASSN17bb	900	12:26	15:20:40.8	+04:39:34	300	89	3.0	#220 ASASSN Tr	2	
0089.COMP	10	12:42	15:20:40.8	+04:39:34	300	89	3.0	0 Calibration	2	
0090.snASASSN17bd	900	12:45	15:59:18.5	+13:36:51	300	89	3.0	#220 ASASSN Tr	2	
0091.snASASSN17bd	900	13:00	15:59:18.5	+13:36:51	300	89	3.0	#220 ASASSN Tr	2	
0092.COMP	10	13:15	15:59:18.5	+13:36:51	300	89	3.0	0 Calibration	2	
0103-0112.BIAS	0	13:29	15:59:18.5	+13:36:51	300	89	3.0	0 Calibration	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0113-0127.FLAT	7	13:35	15:59:18.5	+13:36:51	300	89	3.0	0 Calibration	2	
0128-0137.BIAS	0	13:36	15:59:18.5	+13:36:51	300	89	3.0	0 Calibration	4	
0138-0142.DARK	900	14:38	15:59:18.5	+13:36:51	300	89	3.0	0 Calibration	2	
0143-0146.DARK	900	15:39	15:59:18.5	+13:36:51	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
0001-0010.BIAS	0	00:46	22:46:21.0	+25:42:31	300	89	3.0	0 Calibration	4	
0011-0020.BIAS	0	00:49	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0021-0035.FLAT	7	00:55	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0036.ZAnd	10	01:41	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0037.ZAnd	30	01:42	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0038.ZAnd	90	01:42	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0039.COMP	10	01:44	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0040.EGAnd	5	01:51	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0041.EGAnd	10	01:51	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0042.EGAnd	40	01:52	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0043.COMP	10	01:53	00:44:37.0	+40:40:47	300	88	3.0	0 Calibration	2	
0044.AXPer	30	01:56	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0045.AXPer	300	01:57	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0046.COMP	10	02:03	01:36:23.0	+54:15:03	300	86	3.0	0 Calibration	2	
0047.snV0332p53	360	02:07	03:34:59.8	+53:10:24	300	86	3.0	#2 SN Observat	2	
0048.COMP	10	02:14	03:34:59.8	+53:10:24	300	89	3.0	0 Calibration	2	
0049.HD19445	10	02:15	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0050.HD19445	10	02:17	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0051.COMP	10	02:18	03:08:25.6	+26:19:51	300	89	3.0	0 Calibration	2	
0052.BRUTUS7779_7	600	02:26	03:33:51.2	-36:03:00	300	89	3.0	#220 ASASSN Tr	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0053.snATLAS17ama	1800	02:42	01:27:49.5	+22:20:36	300	89	3.0	#2 SN Observat	2	
0054.COMP	10	03:13	01:27:49.5	+22:20:36	300	89	3.0	0 Calibration	2	
0055.sn2017j1	1800	03:15	00:57:31.9	+30:11:07	300	89	3.0	#2 SN Observat	2	
0056.COMP	10	03:45	00:57:31.9	+30:11:07	300	89	3.0	0 Calibration	2	
0057.BIAS	0	04:01	03:19:07.6	+42:30:45	600	89	1.5	0 Calibration	4	
0058.j0300p18	1800	04:06	03:00:12.9	+18:54:45	600	89	1.5	#178 Low Mass	4	
0059.COMP	10	04:37	03:00:12.9	+18:54:45	600	89	1.5	0 Calibration	4	
0060.j0324p17	1800	04:39	03:24:25.8	+17:38:14	600	89	1.5	#178 Low Mass	4	
0061.COMP	10	05:13	03:24:25.8	+17:38:14	600	89	1.5	0 Calibration	4	
0062.j0409m04	1500	05:16	04:09:57.5	-04:08:48	600	89	1.5	#178 Low Mass	4	
0063.COMP	10	05:45	04:09:57.5	-04:08:48	600	89	1.5	0 Calibration	4	
0064.j0403p12	1800	05:47	04:03:57.6	+12:13:47	600	89	1.5	#178 Low Mass	4	
0065.COMP	10	06:18	04:03:57.6	+12:13:47	600	89	1.5	0 Calibration	4	
0066.j0520p00	1800	06:20	05:20:36.5	+00:37:30	600	88	1.5	#178 Low Mass	4	
0067.COMP	10	06:53	05:20:36.5	+00:37:30	600	89	1.5	0 Calibration	4	
0068.j0540p19	1800	06:56	05:40:03.7	+19:17:11	600	95	1.5	#178 Low Mass	4	
0069.COMP	10	07:28	05:40:03.7	+19:17:11	600	96	1.5	0 Calibration	4	
0070.j0617p07	1800	07:32	06:17:36.0	+07:45:50	600	92	1.5	#178 Low Mass	4	
0071.COMP	10	08:03	06:17:36.0	+07:45:50	600	92	1.5	0 Calibration	4	
0072.BIAS	0	08:06	06:18:16.4	+07:45:05	600	92	1.5	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0073.j0751m02	1800	08:08	07:51:08.9	-02:05:21	600	91	1.5	#178 Low Mass	4	
0074.COMP	10	08:38	07:51:08.9	-02:05:21	600	91	1.5	0 Calibration	4	
0075.j0751p11	1280	08:40	07:51:41.5	+11:20:30	600	91	1.5	#178 Low Mass	4	
0076.COMP	10	09:09	07:51:41.5	+11:20:30	600	91	1.5	0 Calibration	4	
0077.j0756p08	1500	09:10	07:56:22.7	+08:12:41	600	91	1.5	#178 Low Mass	4	
0078.COMP	10	09:36	07:56:22.7	+08:12:41	600	91	1.5	0 Calibration	4	
0079.j0920p03	1500	09:38	09:20:19.1	+03:32:26	600	91	1.5	#178 Low Mass	4	
0080.COMP	10	10:04	09:20:19.1	+03:32:26	600	91	1.5	0 Calibration	4	
0081.Feige34	180	10:06	10:39:36.7	+43:06:09	600	91	1.5	#56 Spectropho	4	
0082.COMP	10	10:09	10:39:36.7	+43:06:09	600	91	1.5	0 Calibration	4	
0083-0092.FLAT	12	10:13	10:39:36.7	+43:06:09	600	91	1.5	0 Calibration	4	
0093.test	10	10:17	11:45:00.0	+32:00:00	300	91	3.0	#56 Spectropho	2	
0094.test	10	10:19	11:45:00.0	+32:00:00	300	91	3.0	#56 Spectropho	2	
0095.Feige34	180	10:20	10:39:36.7	+43:06:09	300	91	3.0	#56 Spectropho	2	
0096.COMP	10	10:24	10:39:36.7	+43:06:09	300	91	3.0	0 Calibration	2	
0097.HD84937	30	10:26	09:48:56.1	+13:44:39	300	91	3.0	#56 Spectropho	2	
0098.COMP	10	10:27	09:48:56.1	+13:44:39	300	91	3.0	0 Calibration	2	
0099.snATLAS17alr	1800	10:29	08:15:34.8	+29:41:09	300	91	3.0	#2 SN Observat	2	
0100.COMP	10	11:00	08:15:34.8	+29:41:09	300	91	3.0	0 Calibration	2	
0101.snASASSN17at	1800	11:02	11:38:33.8	+25:23:47	300	91	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0102.COMP	10	11:33	11:38:33.8	+25:23:47	300	91	3.0	0 Calibration	2	
0103.snASASSN17af	1800	11:37	12:19:50.9	-06:51:20	300	70	3.0	#2 SN Observat	2	
0104.COMP	10	12:08	12:19:50.9	-06:51:20	300	70	3.0	0 Calibration	2	
0105.BRUTUS7779_19	600	12:13	15:52:55.6	+00:43:05	300	90	3.0	#220 ASASSN Tr	2	
0106.BRUTUS7779_19	600	12:23	15:52:55.6	+00:43:05	300	90	3.0	#220 ASASSN Tr	2	
0107.COMP	10	12:45	15:52:55.6	+00:43:05	300	90	3.0	0 Calibration	2	
0108.sn2017mf	1500	12:47	14:16:31.0	+39:35:12	300	99	3.0	#2 SN Observat	2	
0109.COMP	10	13:18	14:16:31.0	+39:35:12	300	99	3.0	0 Calibration	2	
0110.BDp332642	120	13:21	15:51:59.9	+32:56:54	300	100	3.0	#56 Spectropho	2	
0111.COMP	10	13:23	15:51:59.9	+32:56:54	300	100	3.0	0 Calibration	2	
0112.BDp262606	90	13:25	14:49:02.4	+25:42:09	300	91	3.0	#56 Spectropho	2	
0113.COMP	10	13:27	14:49:02.4	+25:42:09	300	91	3.0	0 Calibration	2	
0114-0123.BIAS	0	13:31	14:49:02.4	+25:42:09	300	91	3.0	0 Calibration	2	
0124-0138.FLAT	7	13:37	14:49:02.4	+25:42:09	300	91	3.0	0 Calibration	2	
0139-0143.DARK	900	14:41	14:49:02.4	+25:42:09	300	91	3.0	0 Calibration	2	
0144-0147.DARK	900	15:42	14:49:02.4	+25:42:09	300	91	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:55	03:08:25.6	+26:19:51	300	91	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:01	03:08:25.6	+26:19:51	300	91	3.0	0 Calibration	2	
0026.AGPeg	5	01:38	21:51:02.0	+12:37:33	300	91	3.0	#12 Symbiotic	2	
0027.AGPeg	2	01:39	21:51:02.0	+12:37:33	300	91	3.0	#12 Symbiotic	2	
0028.AGPeg	15	01:39	21:51:02.0	+12:37:33	300	91	3.0	#12 Symbiotic	2	
0029.COMP	10	01:40	21:51:02.0	+12:37:33	300	91	3.0	0 Calibration	2	
0030.RAqr	5	01:41	23:43:49.0	-15:17:05	300	91	3.0	#12 Symbiotic	2	
0031.RAqr	15	01:42	23:43:49.0	-15:17:05	300	91	3.0	#12 Symbiotic	2	
0032.RAqr	45	01:43	23:43:49.0	-15:17:05	300	91	3.0	#12 Symbiotic	2	
0033.COMP	10	01:44	23:43:49.0	-15:17:05	300	91	3.0	0 Calibration	2	
0034.HD19445	10	01:48	03:08:25.6	+26:19:51	300	91	3.0	#56 Spectropho	2	
0035.HD19445	10	01:50	03:08:25.6	+26:19:51	300	91	3.0	#56 Spectropho	2	
0036.HD19445	10	01:50	03:08:25.6	+26:19:51	300	91	3.0	#56 Spectropho	2	
0037.COMP	10	01:51	03:08:25.6	+26:19:51	300	91	3.0	0 Calibration	2	
0038.158m213	360	01:53	00:43:14.4	+41:07:21	300	70	3.0	#57 Velocity S	2	
0039.COMP	10	02:00	00:43:14.4	+41:07:21	300	70	3.0	0 Calibration	2	
0040.snAT2017lm	1800	02:05	03:01:32.4	-15:00:57	300	90	3.0	#2 SN Observat	2	
0041.COMP	10	02:36	03:01:32.4	-15:00:57	300	90	3.0	0 Calibration	2	
0042.sn2017j1	1800	02:39	00:57:31.9	+30:11:07	300	65	3.0	#2 SN Observat	2	
0043.COMP	10	03:09	00:57:31.9	+30:11:07	300	65	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.snATLAS17ama	1800	03:13	01:27:49.5	+22:20:36	300	65	3.0	#2 SN Observat	2	
0045.COMP	10	03:43	01:27:49.5	+22:20:36	300	65	3.0	0 Calibration	2	
0046.COMP	10	03:55	05:40:00.0	+32:00:00	600	87	1.5	0 Calibration	4	
0047.j0240m16	1200	03:59	02:40:15.6	-16:31:39	600	87	1.5	#178 Low Mass	4	
0048.COMP	10	04:19	02:40:15.6	-16:31:39	600	89	1.5	0 Calibration	4	
0049.j0245p06	1800	04:21	02:45:55.2	+06:20:55	600	89	1.5	#178 Low Mass	4	
0050.COMP	10	04:52	02:45:55.2	+06:20:55	600	89	1.5	0 Calibration	4	
0051.j0246p29	1800	04:54	02:46:07.6	+29:36:45	600	89	1.5	#178 Low Mass	4	
0052.COMP	10	05:27	02:46:07.6	+29:36:45	600	88	1.5	0 Calibration	4	
0053.j0503p60	1550	05:29	05:03:06.2	+60:19:30	600	88	1.5	#178 Low Mass	4	
0054.COMP	10	06:00	05:03:06.2	+60:19:30	600	89	1.5	0 Calibration	4	
0055.j0508p60	1800	06:03	05:08:00.7	+60:13:10	600	89	1.5	#178 Low Mass	4	
0056.COMP	10	06:33	05:08:00.7	+60:13:10	600	89	1.5	0 Calibration	4	
0057.j0559p05	1200	06:36	05:59:21.5	+05:12:51	600	88	1.5	#178 Low Mass	4	
0058.COMP	10	06:57	05:59:21.5	+05:12:51	600	89	1.5	0 Calibration	4	
0059.j0654p08	1800	07:01	06:54:32.9	+08:02:17	600	89	1.5	#178 Low Mass	4	
0060.COMP	10	07:33	06:54:32.9	+08:02:17	600	89	1.5	0 Calibration	4	
0061.j0652p14	1200	07:55	06:52:42.8	+14:16:21	600	88	1.5	#178 Low Mass	4	a few seconds of HeNeAr, featureless star
0062.COMP	10	08:15	06:52:42.8	+14:16:21	600	88	1.5	0 Calibration	4	
0063.Feige34	180	08:17	10:39:36.7	+43:06:09	600	88	1.5	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.COMP	10	08:21	10:39:36.7	+43:06:09	600	88	1.5	0 Calibration	4	
0065-0074.FLAT	12	08:24	10:39:36.7	+43:06:09	600	88	1.5	0 Calibration	4	
0075.test	10	08:28	10:30:00.0	+32:00:00	300	88	3.0	#56 Spectropho	2	
0076.test	10	08:29	10:30:00.0	+32:00:00	300	88	3.0	#56 Spectropho	2	
0077.snATLAS17alr	1800	08:32	08:15:34.8	+29:41:09	300	88	3.0	#2 SN Observat	2	
0078.COMP	10	09:02	08:15:34.8	+29:41:09	300	88	3.0	0 Calibration	2	
0079.HD84937	30	09:04	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0080.COMP	10	09:06	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0081.Feige34	180	09:07	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0082.COMP	10	09:11	10:39:36.7	+43:06:09	300	87	3.0	0 Calibration	2	
0083.snASASSN16ns	1200	09:15	10:04:18.6	+43:25:29	300	89	3.0	#2 SN Observat	2	
0084.snASASSN16ns	1200	09:35	10:04:18.6	+43:25:29	300	89	3.0	#2 SN Observat	2	
0085.snASASSN16ns	1200	09:56	10:04:18.6	+43:25:29	300	89	3.0	#2 SN Observat	2	
0086.COMP	10	10:16	10:04:18.6	+43:25:29	300	90	3.0	0 Calibration	2	
0087.snASASSN17at	1500	10:19	11:38:33.8	+25:23:47	300	90	3.0	#2 SN Observat	2	
0088.COMP	10	10:45	11:38:33.8	+25:23:47	300	90	3.0	0 Calibration	2	
0089.BRUTUS7780_9	600	10:50	12:27:19.7	+64:48:20	300	90	3.0	#220 ASASSN Tr	2	
0090.sn2017mf	1800	11:03	14:16:31.0	+39:35:12	300	100	3.0	#2 SN Observat	2	
0091.COMP	10	11:34	14:16:31.0	+39:35:12	300	99	3.0	0 Calibration	2	
0092.BRUTUS7780_10	1200	11:38	16:03:51.7	+39:59:25	300	95	3.0	#220 ASASSN Tr	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0093.BRUTUS7780_10	1200	11:58	16:03:51.7	+39:59:25	300	95	3.0	#220 ASASSN Tr	2	
0094.COMP	10	12:23	16:03:51.7	+39:59:25	300	96	3.0	0 Calibration	2	
0095.sn2016bkv	1200	12:26	10:18:19.3	+41:25:39	300	96	3.0	#2 SN Observat	2	
0096.sn2016bkv	1200	12:46	10:18:19.3	+41:25:39	300	96	3.0	#2 SN Observat	2	
0097.sn2016bkv	1052	13:06	10:18:19.3	+41:25:39	300	96	3.0	#2 SN Observat	2	
0098.COMP	10	13:24	10:18:19.3	+41:25:39	300	95	3.0	0 Calibration	2	
0099.AGDra	5	13:26	16:01:41.0	+66:48:10	300	95	3.0	#12 Symbiotic	2	
0100.AGDra	15	13:27	16:01:41.0	+66:48:10	300	95	3.0	#12 Symbiotic	2	
0101.AGDra	45	13:27	16:01:41.0	+66:48:10	300	95	3.0	#12 Symbiotic	2	
0102.COMP	10	13:29	16:01:41.0	+66:48:10	300	95	3.0	0 Calibration	2	
0103.BDp332642	89	13:30	15:51:59.9	+32:56:54	300	95	3.0	#56 Spectropho	2	
0104.COMP	10	13:32	15:51:59.9	+32:56:54	300	95	3.0	0 Calibration	2	
0105.BDp262606	75	13:33	14:49:02.4	+25:42:09	300	95	3.0	#56 Spectropho	2	
0106.COMP	10	13:35	14:49:02.4	+25:42:09	300	95	3.0	0 Calibration	2	
0107-0116.BIAS	0	13:46	14:49:02.4	+25:42:09	300	95	3.0	0 Calibration	2	
0117-0131.FLAT	7	13:53	14:49:02.4	+25:42:09	300	95	3.0	0 Calibration	2	
0132-0136.DARK	900	14:55	14:49:02.4	+25:42:09	300	95	3.0	0 Calibration	2	
0137-0141.DARK	900	16:11	14:49:02.4	+25:42:09	300	95	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.HD19445	10	01:37	03:08:25.6	+26:19:51	300	96	3.0	#56 Spectropho	2	
0002.COMP	5	01:39	03:08:25.6	+26:19:51	300	96	3.0	0 Calibration	2	
0003.G191B2B	300	01:50	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0003.G191B2Bq.ms	300	01:50	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	1	
0004.COMP	5	01:56	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0005.GITau	600	02:04	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0006.COMP	5	02:14	04:33:34.0	+24:21:18	300	91	3.0	0 Calibration	2	
0007.GKTau	300	02:19	04:33:34.5	+24:21:07	300	88	3.0	#12 Symbiotic	2	
0008.COMP	5	02:25	04:33:34.5	+24:21:07	300	90	3.0	0 Calibration	2	
0009.BGGem	300	02:30	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0010.COMP	5	02:36	06:03:31.0	+27:41:50	300	90	3.0	0 Calibration	2	
0011.sn2017ns	1800	03:00	02:49:10.4	+14:36:04	300	90	3.0	#2 SN Observat	2	
0012.COMP	10	03:31	02:49:10.4	+14:36:04	300	90	3.0	0 Calibration	2	
0013-0022.BIAS	0	03:59	08:24:25.7	+24:59:52	300	90	3.0	0 Calibration	2	
0023-0037.FLAT	7	04:05	08:24:25.7	+24:59:52	300	90	3.0	0 Calibration	2	
0038-0042.DARK	900	14:28	10:03:58.0	+49:02:28	300	86	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	21:55	10:03:58.0	+49:02:28	300	86	3.0	0 Calibration	2	
0011-0025.FLAT	7	22:00	10:03:58.0	+49:02:28	300	86	3.0	0 Calibration	2	
0026-0030.DARK	900	23:04	10:03:58.0	+49:02:28	300	86	3.0	0 Calibration	2	
0030.DARKq.ms	900	23:04	10:03:58.0	+49:02:28	300	86	3.0	#2 SN Observat	1	
0031.HD19445	10	01:23	03:08:25.6	+26:19:51	300	86	3.0	#56 Spectropho	2	
0032.HD19445	10	01:24	03:08:25.6	+26:19:51	300	86	3.0	#56 Spectropho	2	
0033.HD19445	10	01:25	03:08:25.6	+26:19:51	300	86	3.0	#56 Spectropho	2	
0034.COMP	10	01:26	03:08:25.6	+26:19:51	300	86	3.0	0 Calibration	2	
0035.M32	30	01:34	00:42:41.8	+40:51:55	300	86	3.0	#57 Velocity S	2	
0036.COMP	10	01:36	00:42:41.8	+40:51:55	300	86	3.0	0 Calibration	2	
0037.M31	30	01:38	00:42:44.3	+41:16:09	300	86	3.0	#57 Velocity S	2	
0038.COMP	10	01:39	00:42:44.3	+41:16:09	300	86	3.0	0 Calibration	2	
0039.G191B2B	300	01:45	05:05:30.6	+52:49:52	300	86	3.0	#56 Spectropho	2	
0040.COMP	10	01:51	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0041.sn2017j1	1800	02:02	00:57:31.9	+30:11:07	300	90	3.0	#2 SN Observat	2	
0042.COMP	10	02:35	00:57:31.9	+30:11:07	300	90	3.0	0 Calibration	2	
0043.sn2017ns	1800	02:39	02:49:10.4	+14:36:04	300	90	3.0	#2 SN Observat	2	
0044.COMP	10	03:10	02:49:10.4	+14:36:04	300	90	3.0	0 Calibration	2	
0045.snAT2017lm	1800	03:18	03:01:32.4	-15:00:57	300	90	3.0	#2 SN Observat	2	
0046.COMP	10	03:49	03:01:32.4	-15:00:57	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
0047.05194723+0758503	1200	04:03	05:19:47.2	+07:58:50	300	90	3.0	#141 2MASS Red	2	
0048.05194723+0758503	1200	04:27	05:19:47.2	+07:58:50	300	90	3.0	#141 2MASS Red	2	
0049.COMP	10	04:51	05:19:47.2	+07:58:50	300	90	3.0	0 Calibration	2	
0050.BRUTUS7781_12	1200	05:06	07:25:38.7	+59:00:13	300	90	3.0	#220 ASASSN Tr	2	
0050.BRUTUS7781_12q.ms	1200	05:06	07:25:38.7	+59:00:13	300	90	3.0	#220 ASASSN Tr	1	
0051.BRUTUS7781_12	1200	05:27	07:25:38.7	+59:00:13	300	90	3.0	#220 ASASSN Tr	2	
0051.BRUTUS7781_12q.ms	1200	05:27	07:25:38.7	+59:00:13	300	90	3.0	#220 ASASSN Tr	1	
0052.COMP	10	05:47	07:25:38.7	+59:00:13	300	89	3.0	0 Calibration	2	
0053.snATLAS17alr	1800	05:58	08:15:34.8	+29:41:09	300	89	3.0	#2 SN Observat	2	
0054.COMP	10	06:29	08:15:34.8	+29:41:09	300	90	3.0	0 Calibration	2	
0055-0064.BIAS	0	06:51	08:15:34.8	+29:41:09	600	90	1.5	0 Calibration	4	
0065-0075.FLAT	12	06:55	08:15:34.8	+29:41:09	600	90	1.5	0 Calibration	4	
0076.j0813m01	605	07:01	08:13:18.5	-01:03:28	600	90	1.5	#178 Low Mass	4	
0077.COMP	10	07:16	08:13:18.5	-01:03:28	600	90	1.5	0 Calibration	4	
0078.j0823m01	1657	07:23	08:23:09.6	-01:52:47	600	90	1.5	#178 Low Mass	4	
0079.COMP	10	07:52	08:23:09.6	-01:52:47	600	90	1.5	0 Calibration	4	
0080.j0810p00	1317	07:55	08:10:22.0	+00:41:49	600	90	1.5	#178 Low Mass	4	
0081.COMP	10	08:19	08:10:22.0	+00:41:49	600	90	1.5	0 Calibration	4	
0082.j0811p01	1400	08:24	08:11:45.8	+01:24:37	600	90	1.5	#178 Low Mass	4	
0083.COMP	10	08:49	08:11:45.8	+01:24:37	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
0084.j0826p54	240	08:55	08:26:49.6	+54:28:00	600	90	1.5	#178 Low Mass	4	
0085.COMP	10	09:02	08:26:49.6	+54:28:00	600	90	1.5	0 Calibration	4	
0086.j1030p78	1600	09:16	10:30:42.0	+78:38:10	600	90	1.5	#178 Low Mass	4	
0087.COMP	10	09:43	10:30:42.0	+78:38:10	600	89	1.5	0 Calibration	4	
0088-0102.FLAT	7	10:12	10:03:58.0	+49:02:28	300	89	3.0	0 Calibration	2	
0103.sn2017ms	1800	10:57	10:26:42.4	+36:40:51	300	88	3.0	#2 SN Observat	2	
0104.COMP	10	11:28	10:26:42.4	+36:40:51	300	90	3.0	0 Calibration	2	
0105.snASASSN17bo	1800	11:36	11:01:19.5	+70:39:55	300	90	3.0	#220 ASASSN Tr	2	
0105.snASASSN17boq.ms	1800	11:36	11:01:19.5	+70:39:55	300	90	3.0	#220 ASASSN Tr	1	
0106.COMP	10	12:06	11:01:19.5	+70:39:55	300	89	3.0	0 Calibration	2	
0107.BRUTUS7782_9	1800	12:10	12:10:33.3	+58:18:13	300	89	3.0	#220 ASASSN Tr	2	
0107.BRUTUS7782_9q.ms	1800	12:10	12:10:33.3	+58:18:13	300	89	3.0	#220 ASASSN Tr	1	
0108.COMP	10	12:41	12:10:33.3	+58:18:13	300	89	3.0	0 Calibration	2	
BRUTUS7781_12-170128	1200	05:06	07:25:38.7	+59:00:13	300	90	3.0	#220 ASASSN Tr	1	
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0008.BIAS	0	22:47	15:53:17.9	-04:44:45	300	89	3.0	0 Calibration	2	
0009-0023.FLAT	7	22:52	15:53:17.9	-04:44:45	300	89	3.0	0 Calibration	2	
0024-0028.DARK	900	23:56	15:53:17.9	-04:44:45	300	89	3.0	0 Calibration	2	
0029.HD19445	10	01:42	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0030.HD19445	10	01:42	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0031.COMP	10	01:43	03:08:25.6	+26:19:51	300	89	3.0	0 Calibration	2	
0032.M32	30	01:50	00:42:41.8	+40:51:55	300	89	3.0	#57 Velocity S	2	
0033.COMP	10	01:51	00:42:41.8	+40:51:55	300	89	3.0	0 Calibration	2	
0034.M31	30	01:54	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0035.COMP	10	01:55	00:42:44.3	+41:16:09	300	89	3.0	0 Calibration	2	
0036.G191B2B	300	02:05	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0037.COMP	10	02:11	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0038.sn2017ns	1800	02:14	02:49:10.4	+14:36:04	300	90	3.0	#2 SN Observat	2	
0039.COMP	10	02:45	02:49:10.4	+14:36:04	300	90	3.0	0 Calibration	2	
0040.snATLAS17ama	1800	02:48	01:27:49.5	+22:20:36	300	90	3.0	#2 SN Observat	2	
0041.COMP	10	03:19	01:27:49.5	+22:20:36	300	90	3.0	0 Calibration	2	
0042.G191B2B	300	03:33	05:05:30.6	+52:49:52	600	89	1.5	#56 Spectropho	4	
0043.COMP	10	03:39	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0044-0053.BIAS	0	03:41	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0054-0064.FLAT	12	03:45	05:05:30.6	+52:49:52	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
0065.j0811p07	1100	03:48	08:11:33.4	+07:00:53	600	89	1.5	#178 Low Mass	4	
0066.COMP	10	04:08	08:11:33.4	+07:00:53	600	88	1.5	0 Calibration	4	
0067.j0813p06	1463	04:09	08:13:13.2	+06:28:08	600	88	1.5	#178 Low Mass	4	
0068.COMP	10	04:35	08:13:13.2	+06:28:08	600	90	1.5	0 Calibration	4	
0069.j0830p05	1301	04:37	08:30:04.2	+05:34:28	600	90	1.5	#178 Low Mass	4	
0070.COMP	10	04:59	08:30:04.2	+05:34:28	600	90	1.5	0 Calibration	4	
0071.j0813p11	1451	05:01	08:13:12.8	+11:30:39	600	90	1.5	#178 Low Mass	4	
0072.COMP	10	05:26	08:13:12.8	+11:30:39	600	90	1.5	0 Calibration	4	
0073.j0822m04	1557	05:29	08:23:00.0	-04:56:17	600	90	1.5	#178 Low Mass	4	
0074.COMP	10	05:56	08:23:00.0	-04:56:17	600	90	1.5	0 Calibration	4	
0075.j0832m01	1432	06:00	08:32:02.0	-01:05:15	600	90	1.5	#178 Low Mass	4	
0076.COMP	10	06:24	08:32:02.0	-01:05:15	600	90	1.5	0 Calibration	4	
0077.j0842m02	820	06:27	08:42:15.0	-02:22:27	600	90	1.5	#178 Low Mass	4	
0078.COMP	10	06:42	08:42:15.0	-02:22:27	600	90	1.5	0 Calibration	4	
0079.j0910m02	900	06:44	09:10:11.0	-02:54:16	600	90	1.5	#178 Low Mass	4	
0080.COMP	10	06:59	09:10:11.0	-02:54:16	600	90	1.5	0 Calibration	4	
0081.j0938p08	1500	07:05	09:38:20.5	+08:31:40	600	90	1.5	#178 Low Mass	4	
0082.COMP	10	07:31	09:38:20.5	+08:31:40	600	90	1.5	0 Calibration	4	
0083.j0904p16	1434	07:34	09:04:07.8	+16:51:06	600	90	1.5	#178 Low Mass	4	
0084.COMP	10	07:59	09:04:07.8	+16:51:06	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
0085.j0851p18	670	08:02	08:51:37.5	+18:51:20	600	90	1.5	#178 Low Mass	4	
0086.COMP	10	08:13	08:51:37.5	+18:51:20	600	91	1.5	0 Calibration	4	
0087.j0832p20	1547	08:16	08:32:00.3	+20:52:17	600	91	1.5	#178 Low Mass	4	
0088.COMP	10	08:43	08:32:00.3	+20:52:17	600	90	1.5	0 Calibration	4	
0089.j0839p23	1235	08:48	08:39:34.3	+23:34:09	600	90	1.5	#178 Low Mass	4	
0090.COMP	10	09:09	08:39:34.3	+23:34:09	600	90	1.5	0 Calibration	4	
0091.j0907p27	1535	09:11	09:07:58.2	+27:33:19	600	90	1.5	#178 Low Mass	4	
0092.COMP	10	09:37	09:07:58.2	+27:33:19	600	90	1.5	0 Calibration	4	
0093.j0834p36	966	09:40	08:34:00.2	+36:59:24	600	90	1.5	#178 Low Mass	4	
0094.COMP	10	09:57	08:34:00.2	+36:59:24	600	90	1.5	0 Calibration	4	
0095.snPS17yt	1800	11:02	10:03:58.0	+49:02:28	300	90	3.0	#2 SN Observat	2	
0096.snPS17yt	1800	11:37	10:03:58.0	+49:02:28	300	90	3.0	#2 SN Observat	2	
0097.COMP	10	12:07	10:03:58.0	+49:02:28	300	89	3.0	0 Calibration	2	
0098.sn2017ms	1800	12:11	10:26:42.4	+36:40:51	300	91	3.0	#2 SN Observat	2	
0099.COMP	10	12:42	10:26:42.4	+36:40:51	300	90	3.0	0 Calibration	2	
0100.BRUTUS7783_8	900	12:47	15:52:00.2	+66:18:52	300	90	3.0	#220 ASASSN Tr	2	
0101.COMP	10	13:03	15:52:00.2	+66:18:52	300	90	3.0	0 Calibration	2	
0102-0111.BIAS	0	13:09	15:52:00.2	+66:18:52	300	90	3.0	0 Calibration	2	
0112-0126.FLAT	7	13:14	15:52:00.2	+66:18:52	300	90	3.0	0 Calibration	2	
0127-0131.DARK	900	14:18	15:52:00.2	+66:18:52	300	90	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>
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	
comp600+440.ms	5	08:44	11:13:04.3	+11:23:36	600	90	2.0	#166 Hyper Vel	1	