

UT Date 2016-02-02 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	04:28	22:32:39.9	+31:25:32	300	88	3.0	0 Calibration	4	
0011-0020.BIAS	0	04:45	22:32:39.9	+31:25:32	300	88	3.0	0 Calibration	4	
0021-0040.FLAT	7	05:20	22:32:39.9	+31:25:32	300	88	3.0	0 Calibration	2	
0041-0050.BIAS	0	05:24	22:32:39.9	+31:25:32	300	88	3.0	0 Calibration	2	
0051-0071.DARK	900	10:33	22:32:39.9	+31:25:32	300	88	3.0	0 Calibration	2	
0072.HD84937	60	10:54	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0073.COMP	10	10:55	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0074.Feige34	240	10:58	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0075.COMP	10	11:03	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0076.TXCVn	10	11:05	12:44:42.0	+36:45:48	300	88	3.0	#12 Symbiotic	2	
0077.TXCVn	30	11:06	12:44:42.0	+36:45:48	300	88	3.0	#12 Symbiotic	2	
0078.COMP	10	11:07	12:44:42.0	+36:45:48	300	88	3.0	0 Calibration	2	
0079.TCrB	15	11:09	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0080.TCrB	60	11:10	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0081.COMP	10	11:12	15:59:30.0	+25:55:12	300	88	3.0	0 Calibration	2	
0082.snASASSN-16av	1800	11:15	11:51:28.2	+22:01:35	300	88	3.0	#220 ASASSN Tr	2	
0083.COMP	10	11:46	11:51:28.2	+22:01:35	300	88	3.0	0 Calibration	2	
0084.sn2016P	2400	11:52	13:57:31.1	+06:05:51	300	30	3.0	#2 SN Observat	2	
0085.COMP	10	12:32	13:57:31.1	+06:05:51	300	31	3.0	0 Calibration	2	
0086.RWHya	2	12:39	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.RWHya	10	12:39	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0088.RWHya	20	12:40	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0089.COMP	10	12:41	13:34:18.0	-25:22:51	300	90	3.0	0 Calibration	2	
0090.AGDra	2	12:44	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0091.AGDra	15	12:45	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0092.AGDra	60	12:45	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0093.COMP	10	12:47	16:01:41.0	+66:48:10	300	89	3.0	0 Calibration	2	
0094.DracoC1	1500	12:50	17:19:58.0	+57:50:06	300	89	3.0	#12 Symbiotic	2	
0095.COMP	10	13:15	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
0096.N5846	240	13:18	15:06:29.3	+01:36:20	300	90	3.0	#57 Velocity S	2	
0097.COMP	10	13:23	15:06:29.3	+01:36:20	300	90	3.0	0 Calibration	2	
0098-0107.FLAT	7	13:28	15:06:29.3	+01:36:20	300	90	3.0	0 Calibration	2	
0108-0117.BIAS	0	13:30	15:06:29.3	+01:36:20	300	90	3.0	0 Calibration	2	
0118-0126.DARK	900	15:37	15:06:29.3	+01:36:20	300	90	3.0	0 Calibration	2	

UT Date 2016-02-03 Observers K Stringer / L MacriColl. Focus 1350 Grating/Grism 300

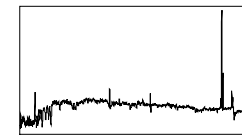
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:36	15:06:29.3	+01:36:20	300	90	5.0	0 Calibration	2	
0011-0020.BIAS	0	00:41	15:06:29.3	+01:36:20	300	90	5.0	0 Calibration	4	
0021.FLAT	4	00:56	15:06:29.3	+01:36:20	300	90	5.0	0 Calibration	2	Tilt 765, Focus 1290
0022-0030.FLAT	4	01:01	15:06:29.3	+01:36:20	300	90	5.0	0 Calibration	2	
0031.HD19445	10	01:32	03:08:25.6	+26:19:51	300	90	5.0	#223 NEOWISE N	2	
0032.HD19445	10	01:33	03:08:25.6	+26:19:51	300	90	5.0	#223 NEOWISE N	2	
0033.HD19445	10	01:33	03:08:25.6	+26:19:51	300	90	5.0	#223 NEOWISE N	2	
0034.COMP	10	01:34	03:08:25.6	+26:19:51	300	90	5.0	0 Calibration	2	
0035.1685Toro	300	01:58	04:20:21.3	-06:12:11	300	90	5.0	#223 NEOWISE N	2	
0036.COMP	10	02:05	04:20:21.3	-06:12:11	300	90	5.0	0 Calibration	2	
0037.HD29461	30	02:12	04:38:57.3	+14:06:20	300	90	5.0	#223 NEOWISE N	2	
0038.COMP	10	02:12	04:38:57.3	+14:06:20	300	90	5.0	0 Calibration	2	
0039.2000UV13	1800	02:31	01:11:41.9	+69:33:26	300	90	5.0	#223 NEOWISE N	2	
0040.COMP	10	03:03	01:11:41.9	+69:33:26	300	90	5.0	0 Calibration	2	
0041.HD10307	5	03:10	01:41:47.2	+42:36:48	300	90	5.0	#223 NEOWISE N	2	
0042.COMP	10	03:11	01:41:47.2	+42:36:48	300	90	5.0	0 Calibration	2	
0043.snASASSN-16am	1800	03:32	04:45:21.3	+73:23:41	300	90	5.0	#220 ASASSN Tr	4	Tilt 593, Focus 1350
0044.COMP	5	04:04	04:45:21.3	+73:23:41	300	89	5.0	0 Calibration	4	
0045.snAT2016G	1800	04:11	03:03:57.7	+43:24:04	300	89	5.0	#2 SN Observat	4	
0046.snAT2016G	1800	04:43	03:03:57.7	+43:24:04	300	89	5.0	#2 SN Observat	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0047.snAT2016G	1800	05:13	03:03:57.7	+43:24:04	300	89	5.0	#2 SN Observat	4	
0048.COMP	5	05:44	03:03:57.7	+43:24:04	300	90	5.0	0 Calibration	4	
0049.snASASSN16ah	1800	05:54	05:47:45.4	+53:36:32	300	90	3.0	#2 SN Observat	4	
0050.COMP	5	06:26	05:47:45.4	+53:36:32	300	90	3.0	0 Calibration	4	
0051.05405756+0341524	1200	06:34	05:40:57.6	+03:41:52	300	90	3.0	#141 2MASS Red	4	
0052.COMP	5	06:56	05:40:57.6	+03:41:52	300	90	3.0	0 Calibration	4	
0053.05455073+0219380	1200	06:59	05:45:50.7	+02:19:38	300	90	3.0	#141 2MASS Red	4	
0054.COMP	5	07:27	05:45:50.7	+02:19:38	300	90	3.0	0 Calibration	4	
0055.06130162+3225155	1200	07:39	06:13:01.6	+32:25:15	300	90	3.0	#141 2MASS Red	4	
0056.06130162+3225155	1200	08:04	06:13:01.6	+32:25:15	300	90	3.0	#141 2MASS Red	4	
0057.COMP	5	08:25	06:13:01.6	+32:25:15	300	90	3.0	0 Calibration	4	
0058.AWIO005d8f	300	08:34	08:37:17.4	+51:20:14	300	90	3.0	#219 Disk Dete	4	
0059.AWIO005d8f	1500	08:40	08:37:17.4	+51:20:14	300	90	3.0	#219 Disk Dete	4	
0060.COMP	5	09:06	08:37:17.4	+51:20:14	300	90	3.0	0 Calibration	4	
0061.snASASSN-16at	1200	09:29	12:55:15.6	+00:05:59	300	90	3.0	#220 ASASSN Tr	4	
0062.snASASSN-16at	1200	09:49	12:55:15.6	+00:05:59	300	90	3.0	#220 ASASSN Tr	4	
0063.COMP	5	10:10	12:55:15.6	+00:05:59	300	90	3.0	0 Calibration	4	
0064.sn2016P	10	10:43	13:57:31.1	+06:05:51	300	90	3.0	#2 SN Observat	4	test for bright star
0065.sn2016P	1800	10:44	13:57:31.1	+06:05:51	300	90	3.0	#2 SN Observat	4	
0066.COMP	5	11:14	13:57:31.1	+06:05:51	300	90	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.snASASSN-16ai	1800	11:23	14:39:44.7	+23:23:43	300	85	3.0	#220 ASASSN Tr	4	
0068.snASASSN-16ai	1800	11:56	14:39:44.7	+23:23:43	300	85	3.0	#220 ASASSN Tr	4	
0069.COMP	5	12:27	14:39:44.7	+23:23:43	300	90	3.0	0 Calibration	4	
0070.AWI0000w9x	30	12:41	14:43:13.1	+01:49:29	300	90	3.0	#219 Disk Dete	4	
0071.COMP	5	12:42	14:43:13.1	+01:49:29	300	90	3.0	0 Calibration	4	
0072.AWI0005dr4	30	12:46	15:35:14.1	+65:16:40	300	90	3.0	#219 Disk Dete	4	
0073.COMP	5	12:47	15:35:14.1	+65:16:40	300	90	3.0	0 Calibration	4	
0074.AWI0005dr8	20	12:48	15:36:42.6	+14:55:29	300	90	3.0	#219 Disk Dete	4	
0075.COMP	5	12:49	15:36:42.6	+14:55:29	300	90	3.0	0 Calibration	4	
0076.N4486B	180	12:52	12:30:31.9	+12:29:26	300	90	3.0	#57 Velocity S	4	
0077.COMP	5	12:56	12:30:31.9	+12:29:26	300	90	3.0	0 Calibration	4	
0078.BDp262606	90	12:58	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	4	
0079.COMP	5	13:00	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	4	
0080.BDp332642	120	13:01	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	4	
0081.COMP	5	13:04	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	4	
0082-0091.BIAS	0	13:15	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	4	
0092-0101.FLAT	4	13:17	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	4	
0102-0111.BIAS	0	13:19	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0112-0126.FLAT	7	13:24	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	

UT Date 2016-02-04 Observers K Stringer / L MacriColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:46	01:13:16.3	+31:25:27	300	89	3.0	0 Calibration	4	
0011-0020.FLAT	4	23:48	01:13:16.3	+31:25:27	300	89	3.0	0 Calibration	4	
0021-0030.BIAS	0	23:50	01:13:16.3	+31:25:27	300	89	3.0	0 Calibration	2	
0031-0045.FLAT	7	23:54	01:13:16.3	+31:25:27	300	89	3.0	0 Calibration	2	
0046.HD19445	10	01:32	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0047.HD19445	10	01:33	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0048.HD19445	10	01:33	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0049.COMP	10	01:35	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0050.M31	60	01:39	00:42:44.3	+41:16:09	300	90	3.0	#57 Velocity S	2	
0051.COMP	10	01:40	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0052.G191B2B	300	01:54	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0053.COMP	10	02:00	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0054.snASASSN-16ax	1200	02:05	01:31:23.2	+60:19:14	300	90	3.0	#220 ASASSN Tr	2	
0055.COMP	10	02:25	01:31:23.2	+60:19:14	300	90	3.0	0 Calibration	2	
0056.snASASSN-16ar	1200	02:31	04:28:30.8	-17:39:23	300	90	3.0	#220 ASASSN Tr	2	
0057.COMP	10	02:53	04:28:30.8	-17:39:23	300	90	3.0	0 Calibration	2	
0058.04184414+8755182	900	03:12	04:18:44.1	+87:55:18	300	90	3.0	#141 2MASS Red	4	
0059.COMP	5	03:33	04:08:44.1	+83:55:18	300	90	3.0	0 Calibration	4	
0060.05293287+0540194	1800	03:47	05:29:32.9	+05:40:19	300	90	3.0	#141 2MASS Red	4	
0061.COMP	5	04:18	05:29:32.9	+05:40:19	300	90	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0062.01450074+6912398	1800	04:32	01:45:00.7	+69:12:40	300	90	3.0	#141 2MASS Red	4	
0063.COMP	5	05:04	01:45:00.7	+69:12:40	300	89	3.0	0 Calibration	4	
0064.03310757+6806544	1800	05:08	03:31:07.6	+68:06:54	300	89	3.0	#141 2MASS Red	4	
0065.COMP	5	05:40	03:31:07.6	+68:06:54	300	90	3.0	0 Calibration	4	
0066.04395162+3727031	600	05:46	04:39:51.6	+37:27:03	300	109	3.0	#141 2MASS Red	4	
0067.04395162+3727031	600	05:58	04:39:51.6	+37:27:03	300	109	3.0	#141 2MASS Red	4	
0068.COMP	5	06:09	04:39:51.6	+37:27:03	300	109	3.0	0 Calibration	4	
0069.04472849+3623421	1200	06:15	04:47:28.5	+36:23:42	300	90	3.0	#141 2MASS Red	4	
0070.COMP	5	06:36	04:47:28.5	+36:23:42	300	90	3.0	0 Calibration	4	
0071.04475545+3148034	1200	06:40	04:47:55.5	+31:48:03	300	90	3.0	#141 2MASS Red	4	
0072.COMP	5	07:01	04:47:55.5	+31:48:03	300	90	3.0	0 Calibration	4	
0073.05591925+0734551	900	07:06	05:59:19.3	+07:34:55	300	109	3.0	#141 2MASS Red	4	
0074.COMP	5	07:23	05:59:19.3	+07:34:55	300	110	3.0	0 Calibration	4	
0075.05592988+1015051	900	07:26	05:59:29.9	+10:15:05	300	90	3.0	#141 2MASS Red	4	
0076.COMP	5	07:43	05:59:29.9	+10:15:05	300	90	3.0	0 Calibration	4	
0077.06111690+0747473	900	07:47	06:11:16.9	+07:47:47	300	90	3.0	#141 2MASS Red	4	
0078.06111690+0747473	900	08:03	06:11:16.9	+07:47:47	300	90	3.0	#141 2MASS Red	4	
0079.COMP	5	08:19	06:11:16.9	+07:47:47	300	90	3.0	0 Calibration	4	
0080.snASASSN-16av	1800	08:28	11:51:28.2	+22:01:35	300	90	3.0	#220 ASASSN Tr	2	
0081.sn2016P	1800	10:33	13:57:31.1	+06:05:51	300	90	3.0	#2 SN Observat	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0082.sn2016P	1800	11:07	13:57:31.1	+06:05:51	300	90	3.0	#2 SN Observat	2	
0083.sn2016P	1800	11:37	13:57:31.1	+06:05:51	300	90	3.0	#2 SN Observat	2	
0084.COMP	10	12:07	13:57:31.1	+06:05:51	300	90	3.0	0 Calibration	2	
0085.snASASSN-16bb	1200	12:13	14:05:57.1	+43:53:02	300	90	3.0	#220 ASASSN Tr	2	
0086.COMP	10	12:33	14:05:57.1	+43:53:02	300	90	3.0	0 Calibration	2	
0087.snASASSN-16av	1200	12:36	11:51:28.2	+22:01:35	300	90	3.0	#220 ASASSN Tr	2	
0088.COMP	10	12:58	11:51:28.2	+22:01:35	300	90	3.0	0 Calibration	2	
0089-0098.BIAS	0	13:01	11:51:28.2	+22:01:35	300	89	3.0	0 Calibration	4	
0099-0108.FLAT	4	13:03	11:51:28.2	+22:01:35	300	89	3.0	0 Calibration	4	
0109-0118.BIAS	0	13:05	11:51:28.2	+22:01:35	300	89	3.0	0 Calibration	2	
0119-0133.FLAT	7	13:09	11:51:28.2	+22:01:35	300	89	3.0	0 Calibration	2	
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	



UT Date 2016-02-05 Observers WBrownColl. Focus 1290 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.TEST	1	21:22	22:05:55.8	+31:25:48	300	90	3.0	#220 ASASSN Tr	4	
0002.fastfoc	5	21:23	22:05:55.8	+31:25:48	300	90	3.0	#220 ASASSN Tr	4	x11 foc=1290
0003.fastfoc	5	21:24	22:05:55.8	+31:25:48	300	90	3.0	#220 ASASSN Tr	4	
0004.fastfoc	5	21:24	22:05:55.8	+31:25:48	300	90	3.0	#220 ASASSN Tr	4	
0005.fastfoc	5	21:24	22:05:55.8	+31:25:48	300	90	3.0	#220 ASASSN Tr	4	
0006.fastfoc	5	21:25	22:05:55.8	+31:25:48	300	90	3.0	#220 ASASSN Tr	4	
0007.fastfoc	5	21:25	22:05:55.8	+31:25:48	300	90	3.0	#220 ASASSN Tr	4	
0008.fastfoc	5	21:25	22:05:55.8	+31:25:48	300	90	3.0	#220 ASASSN Tr	4	
0009.fastfoc	5	21:26	22:05:55.8	+31:25:48	300	90	3.0	#220 ASASSN Tr	4	
0010.fastfoc	5	21:26	22:05:55.8	+31:25:48	300	90	3.0	#220 ASASSN Tr	4	
0011.fastfoc	5	21:28	22:05:55.8	+31:25:48	300	90	3.0	#220 ASASSN Tr	4	
0012.fastfoc	5	21:28	22:05:55.8	+31:25:48	300	90	3.0	#220 ASASSN Tr	4	
0013.BIAS	0	21:33	22:05:55.8	+31:25:48	300	90	3.0	0 Calibration	2	x12
0014-0024.BIAS	0	21:35	22:05:55.8	+31:25:48	300	90	3.0	0 Calibration	2	
0025.FLAT	7	21:35	22:05:55.8	+31:25:48	300	90	3.0	0 Calibration	2	x15
0026-0039.FLAT	7	21:40	22:05:55.8	+31:25:48	300	90	3.0	0 Calibration	2	
0040.DARK	900	21:43	22:05:55.8	+31:25:48	300	90	3.0	0 Calibration	2	x10
0041-0049.DARK	900	00:01	22:05:55.8	+31:25:48	300	90	3.0	0 Calibration	2	
0050.ZAnd	1	01:55	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0051.ZAnd	5	01:55	23:33:40.0	+48:49:06	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
0052.ZAnd	30	01:56	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0053.COMP	10	01:56	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0054.EGAnd	1	01:58	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0055.EGAnd	5	01:58	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0056.EGAnd	10	01:59	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0057.COMP	10	01:59	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0058.AXPer	4	02:00	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0059.AXPer	30	02:01	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0060.AXPer	90	02:01	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0061.COMP	10	02:03	01:36:23.0	+54:15:03	300	90	3.0	0 Calibration	2	
0062.GKTau	300	02:05	04:33:34.5	+24:21:07	300	89	3.0	#12 Symbiotic	2	
0063.COMP	10	02:10	04:33:34.5	+24:21:07	300	90	3.0	0 Calibration	2	
0064.GITau	600	02:11	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0065.COMP	10	02:21	04:33:34.0	+24:21:18	300	83	3.0	0 Calibration	2	
0066.HD19445	10	02:23	03:08:25.6	+26:19:51	300	83	3.0	#56 Spectropho	2	
0067.COMP	10	02:24	03:08:25.6	+26:19:51	300	83	3.0	0 Calibration	2	
0068.G191B2B	300	02:25	05:05:30.6	+52:49:52	300	87	3.0	#56 Spectropho	2	
0069.COMP	10	02:31	05:05:30.6	+52:49:52	300	87	3.0	0 Calibration	2	
0070.BGGem	300	02:32	06:03:31.0	+27:41:50	300	87	3.0	#12 Symbiotic	2	
0071.COMP	10	02:38	06:03:31.0	+27:41:50	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
0072.FLAT	12	02:42	04:25:00.0	+31:00:00	600	86	1.5	0 Calibration	4	x10 - 600 line
0073-0081.FLAT	12	02:46	04:25:00.0	+31:00:00	600	86	1.5	0 Calibration	4	
0083.COMP	10	03:14	08:02:05.9	+43:32:28	600	90	1.5	0 Calibration	4	
0084.k0802	1500	03:15	08:02:05.9	+43:32:28	600	90	1.5	#178 Low Mass	4	
0085.COMP	10	03:40	08:02:05.9	+43:32:28	600	90	1.5	0 Calibration	4	
0086.k0832	1380	03:43	08:32:38.9	+13:51:21	600	90	1.5	#178 Low Mass	4	seeing getting soft
0087.COMP	10	04:06	08:32:38.9	+13:51:21	600	90	1.5	0 Calibration	4	
0088.k0832	1380	04:07	08:32:38.9	+13:51:21	600	90	1.5	#178 Low Mass	4	
0089.COMP	10	04:31	08:32:38.9	+13:51:21	600	86	1.5	0 Calibration	4	
0090.k0832	1380	04:31	08:32:38.9	+13:51:21	600	86	1.5	#178 Low Mass	4	
0091.COMP	10	04:55	08:32:38.9	+13:51:21	600	88	1.5	0 Calibration	4	
0092.k0802	1500	04:58	08:02:05.9	+43:32:28	600	89	1.5	#178 Low Mass	4	seeing soft
0093.COMP	10	05:23	08:02:05.9	+43:32:28	600	90	1.5	0 Calibration	4	
0094.Feige34	240	05:25	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0095.COMP	10	05:30	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0096.wd0946	1200	05:34	09:49:58.7	+37:59:19	600	90	1.5	#178 Low Mass	4	
0097.COMP	10	05:55	09:49:58.7	+37:59:19	600	90	1.5	0 Calibration	4	
0098.wd0921	1200	05:58	09:23:50.3	-12:18:24	600	90	1.5	#178 Low Mass	4	
0099.COMP	10	06:18	09:23:50.3	-12:18:24	600	90	1.5	0 Calibration	4	
0100.wd0921	1200	06:19	09:23:50.3	-12:18:24	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	06:39	09:23:50.3	-12:18:24	600	90	1.5	0 Calibration	4	
0102.k0832	1380	06:42	08:32:38.9	+13:51:21	600	90	1.5	#178 Low Mass	4	seeing better
0103.COMP	10	07:06	08:32:38.9	+13:51:21	600	90	1.5	0 Calibration	4	
0104.k0802	1500	07:07	08:02:05.9	+43:32:28	600	90	1.5	#178 Low Mass	4	
0105.COMP	10	07:33	08:02:05.9	+43:32:28	600	90	1.5	0 Calibration	4	
0106.wd0946	1200	07:34	09:49:58.7	+37:59:19	600	90	1.5	#178 Low Mass	4	
0107.COMP	10	07:55	09:49:58.7	+37:59:19	600	90	1.5	0 Calibration	4	
0108.wd0921	1200	07:57	09:23:50.3	-12:18:24	600	90	1.5	#178 Low Mass	4	
0109.COMP	10	08:17	09:23:50.3	-12:18:24	600	90	1.5	0 Calibration	4	
0110.wd0921	1200	08:18	09:23:50.3	-12:18:24	600	90	1.5	#178 Low Mass	4	
0111.COMP	10	08:38	09:23:50.3	-12:18:24	600	90	1.5	0 Calibration	4	
0112.wd0921	1200	08:39	09:23:50.3	-12:18:24	600	91	1.5	#178 Low Mass	4	
0113.COMP	10	08:59	09:23:50.3	-12:18:24	600	90	1.5	0 Calibration	4	
0114.k0802	1500	09:01	08:02:05.9	+43:32:28	600	91	1.5	#178 Low Mass	4	
0115.COMP	10	09:26	08:02:05.9	+43:32:28	600	90	1.5	0 Calibration	4	
0116.k0832	1380	09:28	08:32:38.9	+13:51:21	600	90	1.5	#178 Low Mass	4	
0117.COMP	10	09:51	08:32:38.9	+13:51:21	600	90	1.5	0 Calibration	4	
0118.wd0921	1200	09:53	09:23:50.3	-12:18:24	600	90	1.5	#178 Low Mass	4	
0119.COMP	10	10:13	09:23:50.3	-12:18:24	600	91	1.5	0 Calibration	4	
0120.wd0921	1260	10:14	09:23:50.3	-12:18:24	600	91	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0121.COMP	10	10:35	09:23:50.3	-12:18:24	600	90	1.5	0 Calibration	4	
0122.pg1237	540	10:36	12:40:25.1	+23:03:48	600	90	1.5	#178 Low Mass	4	
0123.COMP	10	10:46	12:40:25.1	+23:03:48	600	90	1.5	0 Calibration	4	
0124.wd0946	1200	10:47	09:49:58.7	+37:59:19	600	91	1.5	#178 Low Mass	4	
0125.COMP	10	11:08	09:49:58.7	+37:59:19	600	90	1.5	0 Calibration	4	
0126.wd0946	1200	11:08	09:49:58.7	+37:59:19	600	89	1.5	#178 Low Mass	4	
0127.COMP	10	11:29	09:49:58.7	+37:59:19	600	90	1.5	0 Calibration	4	
0128.wd0946	1200	11:29	09:49:58.7	+37:59:19	600	90	1.5	#178 Low Mass	4	
0129.COMP	10	11:50	09:49:58.7	+37:59:19	600	90	1.5	0 Calibration	4	
0130.wd0946	1320	11:50	09:49:58.7	+37:59:19	600	90	1.5	#178 Low Mass	4	
0131.COMP	10	12:13	09:49:58.7	+37:59:19	600	90	1.5	0 Calibration	4	
0132.pg1237	540	12:14	12:40:25.1	+23:03:48	600	90	1.5	#178 Low Mass	4	
0133.COMP	10	12:24	12:40:25.1	+23:03:48	600	90	1.5	0 Calibration	4	
0134.pg1237	540	12:24	12:40:25.1	+23:03:48	600	90	1.5	#178 Low Mass	4	
0135.COMP	10	12:34	12:40:25.1	+23:03:48	600	90	1.5	0 Calibration	4	
0136.pg1237	540	12:34	12:40:25.1	+23:03:48	600	90	1.5	#178 Low Mass	4	
0137.COMP	10	12:43	12:40:25.1	+23:03:48	600	90	1.5	0 Calibration	4	
0138.pg1237	540	12:44	12:40:25.1	+23:03:48	600	90	1.5	#178 Low Mass	4	
0139.COMP	10	12:53	12:40:25.1	+23:03:48	600	90	1.5	0 Calibration	4	
0140.pg1237	540	12:54	12:40:25.1	+23:03:48	600	90	1.5	#178 Low Mass	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>
0141.COMP	10	13:03	12:40:25.1	+23:03:48	600	90	1.5	0 Calibration	4	
0142.pg1237	540	13:04	12:40:25.1	+23:03:48	600	90	1.5	#178 Low Mass	4	
0143.COMP	10	13:13	12:40:25.1	+23:03:48	600	91	1.5	0 Calibration	4	
0144.BDp332642	150	13:15	15:51:59.9	+32:56:54	600	91	1.5	#56 Spectropho	4	
0145.COMP	10	13:18	15:51:59.9	+32:56:54	600	91	1.5	0 Calibration	4	
0146.FLAT	12	13:20	15:51:59.9	+32:56:54	600	91	1.5	0 Calibration	4	x10
0147-0155.FLAT	12	13:23	15:51:59.9	+32:56:54	600	91	1.5	0 Calibration	4	
0156.BIAS	0	13:24	15:51:59.9	+32:56:54	600	91	1.5	0 Calibration	4	x14
0157-0169.BIAS	0	13:26	15:51:59.9	+32:56:54	600	91	1.5	0 Calibration	4	
0170-0178.DARK	900	15:41	15:51:59.9	+32:56:54	600	91	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	00:03	15:51:59.9	+32:56:54	300	91	3.0	0 Calibration	4	300 line
0002.COMP	5	00:06	15:51:59.9	+32:56:54	300	91	3.0	0 Calibration	4	
0003.fastfoc	5	00:09	15:51:59.9	+32:56:54	300	91	3.0	#56 Spectropho	4	x7 foc=1310
0004.fastfoc	5	00:09	15:51:59.9	+32:56:54	300	91	3.0	#56 Spectropho	4	
0005.fastfoc	5	00:09	15:51:59.9	+32:56:54	300	91	3.0	#56 Spectropho	4	
0006.fastfoc	5	00:10	15:51:59.9	+32:56:54	300	91	3.0	#56 Spectropho	4	
0007.fastfoc	5	00:10	15:51:59.9	+32:56:54	300	91	3.0	#56 Spectropho	4	
0008.fastfoc	5	00:10	15:51:59.9	+32:56:54	300	91	3.0	#56 Spectropho	4	
0009.fastfoc	5	00:11	15:51:59.9	+32:56:54	300	91	3.0	#56 Spectropho	4	
0010.BIAS	0	00:13	15:51:59.9	+32:56:54	300	91	3.0	0 Calibration	2	x10
0011-0019.BIAS	0	00:14	15:51:59.9	+32:56:54	300	91	3.0	0 Calibration	2	
0020-0022.DARK	900	00:45	15:51:59.9	+32:56:54	300	91	3.0	0 Calibration	2	
0023.FLAT	7	01:04	15:51:59.9	+32:56:54	300	91	3.0	0 Calibration	2	x17
0024-0039.FLAT	7	01:09	15:51:59.9	+32:56:54	300	91	3.0	0 Calibration	2	
0040.HD19445	10	02:01	03:08:25.6	+26:19:51	300	91	3.0	#56 Spectropho	2	seeing is horrible
0041.COMP	10	02:01	03:08:25.6	+26:19:51	300	91	3.0	0 Calibration	2	
0042.G191B2B	300	02:03	05:05:30.6	+52:49:52	300	91	3.0	#56 Spectropho	2	
0043.COMP	10	02:09	05:05:30.6	+52:49:52	300	91	3.0	0 Calibration	2	
0044.03435654+4456315	1680	02:12	03:43:56.5	+44:56:31	300	89	3.0	#141 2MASS Red	2	
0045.COMP	10	02:41	03:43:56.5	+44:56:31	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
0046.03444712+4559150	1500	02:42	03:44:47.1	+45:59:15	300	89	3.0	#141 2MASS Red	2	
0047.COMP	10	03:07	03:44:47.1	+45:59:15	300	90	3.0	0 Calibration	2	
0048.snAT2016G	1800	03:11	03:03:57.7	+43:24:04	300	66	3.0	#2 SN Observat	2	
0049.COMP	10	03:41	03:03:57.7	+43:24:04	300	65	3.0	0 Calibration	2	
0050.snAT2016G	1800	03:43	03:03:57.7	+43:24:04	300	66	3.0	#2 SN Observat	2	
0051.COMP	10	04:13	03:03:57.7	+43:24:04	300	66	3.0	0 Calibration	2	
0052.snAT2016G	1800	04:14	03:03:57.7	+43:24:04	300	65	3.0	#2 SN Observat	2	
0053.COMP	10	04:46	03:03:57.7	+43:24:04	300	65	3.0	0 Calibration	2	
0054.04280875+4103008	1500	04:48	04:28:08.8	+41:03:01	300	90	3.0	#141 2MASS Red	2	
0055.COMP	10	05:13	04:28:08.8	+41:03:01	300	90	3.0	0 Calibration	2	
0056.06535135-2657065	1620	05:17	06:53:51.3	-26:57:07	300	94	3.0	#141 2MASS Red	2	
0057.COMP	10	05:45	06:53:51.3	-26:57:07	300	95	3.0	0 Calibration	2	
0058.SS129	300	05:47	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0059.COMP	10	05:53	07:32:45.0	-26:49:16	300	70	3.0	0 Calibration	2	
0060.SS129	300	05:53	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0061.COMP	10	05:59	07:32:45.0	-26:49:16	300	70	3.0	0 Calibration	2	
0062.BXMon	15	06:00	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0063.BXMon	180	06:01	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0064.COMP	10	06:04	07:25:23.0	-03:35:51	300	90	3.0	0 Calibration	2	
0065.snASASSN16ah	1800	06:11	05:47:45.4	+53:36:32	300	90	3.0	#2 SN Observat	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0066.COMP	10	06:42	05:47:45.4	+53:36:32	300	90	3.0	0 Calibration	2	
0067.05594532+4223345	1800	06:43	05:59:45.3	+42:23:34	300	89	3.0	#141 2MASS Red	2	
0068.COMP	10	07:14	05:59:45.3	+42:23:34	300	89	3.0	0 Calibration	2	
0069.06244543+2849554	1800	07:19	06:24:45.4	+28:49:55	300	10	3.0	#141 2MASS Red	2	
0070.COMP	10	07:49	06:24:45.4	+28:49:55	300	10	3.0	0 Calibration	2	
0071.06330049+2222008	1800	07:53	06:33:00.5	+22:22:01	300	89	3.0	#141 2MASS Red	2	
0072.COMP	10	08:23	06:33:00.5	+22:22:01	300	89	3.0	0 Calibration	2	
0073.11120285-2218127	1320	08:26	11:12:02.8	-22:18:13	300	89	3.0	#141 2MASS Red	2	
0074.COMP	10	08:48	11:12:02.8	-22:18:13	300	89	3.0	0 Calibration	2	
0075.11022047-2549153	1200	08:50	11:02:20.5	-25:49:15	300	89	3.0	#141 2MASS Red	2	
0076.COMP	10	09:11	11:02:20.5	-25:49:15	300	89	3.0	0 Calibration	2	
0077.sn2016P	1800	09:18	13:57:31.1	+06:05:51	300	20	3.0	#2 SN Observat	2	
0078.COMP	10	09:48	13:57:31.1	+06:05:51	300	20	3.0	0 Calibration	2	
0079.sn2016P	1800	09:49	13:57:31.1	+06:05:51	300	20	3.0	#2 SN Observat	2	
0080.COMP	10	10:20	13:57:31.1	+06:05:51	300	20	3.0	0 Calibration	2	
0081.sn2016P	1800	10:20	13:57:31.1	+06:05:51	300	20	3.0	#2 SN Observat	2	seeing better
0082.COMP	10	10:51	13:57:31.1	+06:05:51	300	20	3.0	0 Calibration	2	
0083.12482238-2148571	1200	10:53	12:48:22.4	-21:48:57	300	90	3.0	#141 2MASS Red	2	
0084.COMP	10	11:14	12:48:22.4	-21:48:57	300	90	3.0	0 Calibration	2	
0085.LSPMJ1105+3414	720	11:22	11:05:33.8	+34:14:35	600	90	2.0	#222 M dwarfs	2	600 line

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.COMP	10	11:34	11:05:33.8	+34:14:35	600	90	2.0	0 Calibration	2	
0087.LSPMJ1129+0941	1800	11:37	11:29:31.8	+09:41:14	600	90	2.0	#222 M dwarfs	2	
0088.COMP	10	12:07	11:29:31.8	+09:41:14	600	90	2.0	0 Calibration	2	
0089.PM_I12303-2824	1800	12:09	12:30:19.6	-28:24:31	600	90	2.0	#222 M dwarfs	2	
0090.COMP	10	12:40	12:30:19.6	-28:24:31	600	90	2.0	0 Calibration	2	
0091.LSPMJ1148+1856	1500	12:42	11:48:49.5	+18:56:54	600	90	2.0	#222 M dwarfs	2	
0092.COMP	10	13:07	11:48:49.5	+18:56:54	600	90	2.0	0 Calibration	2	
0093.LSPMJ1148+3505	360	13:08	11:48:00.6	+35:05:15	600	90	2.0	#222 M dwarfs	2	
0094.COMP	10	13:15	11:48:00.6	+35:05:15	600	90	2.0	0 Calibration	2	
0095.BDp262606	120	13:16	14:49:02.4	+25:42:09	600	90	2.0	#222 M dwarfs	2	
0096.COMP	10	13:19	14:49:02.4	+25:42:09	600	90	2.0	0 Calibration	2	
0097.FLAT	14	13:20	14:49:02.4	+25:42:09	600	90	2.0	0 Calibration	2	x15
0098-0111.FLAT	14	13:26	14:49:02.4	+25:42:09	600	90	2.0	0 Calibration	2	
0112.BIAS	0	13:27	14:49:02.4	+25:42:09	600	90	2.0	0 Calibration	2	x9
0113-0120.BIAS	0	13:29	14:49:02.4	+25:42:09	600	90	2.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	22:13	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	4	300 line
0002.COMP	5	22:16	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	4	
0003.fastfoc	5	22:18	14:49:02.4	+25:42:09	300	90	3.0	#222 M dwarfs	4	x7 foc=1305
0004.fastfoc	5	22:19	14:49:02.4	+25:42:09	300	90	3.0	#222 M dwarfs	4	
0005.fastfoc	5	22:19	14:49:02.4	+25:42:09	300	90	3.0	#222 M dwarfs	4	
0006.fastfoc	5	22:19	14:49:02.4	+25:42:09	300	90	3.0	#222 M dwarfs	4	
0007.fastfoc	5	22:20	14:49:02.4	+25:42:09	300	90	3.0	#222 M dwarfs	4	
0008.fastfoc	5	22:20	14:49:02.4	+25:42:09	300	90	3.0	#222 M dwarfs	4	
0009.fastfoc	5	22:20	14:49:02.4	+25:42:09	300	90	3.0	#222 M dwarfs	4	
0010.DARK	900	22:23	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	4	x5
0011-0014.DARK	900	23:24	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	4	
0015.DARK	900	23:40	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	x5
0016-0019.DARK	900	00:41	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0020.BIAS	0	00:59	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	x10
0021-0029.BIAS	0	01:01	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0030.FLAT	7	01:36	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	x16
0031-0045.FLAT	7	01:41	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0046.HD19445	10	02:02	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	variable clouds; non-photometric
0047.COMP	10	02:02	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0048.G191B2B	300	02:05	05:05:30.6	+52:49:52	300	86	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0049.COMP	10	02:10	05:05:30.6	+52:49:52	300	86	3.0	0 Calibration	2	
0050.03460623+4621443	1500	02:12	03:46:06.2	+46:21:44	300	87	3.0	#141 2MASS Red	2	
0051.COMP	5	02:37	03:46:06.2	+46:21:44	300	90	3.0	0 Calibration	2	
0052.03522890+4507359	1800	02:39	03:52:28.9	+45:07:36	300	83	3.0	#141 2MASS Red	2	clouds getting thicker
0053.COMP	10	03:10	03:52:28.9	+45:07:36	300	83	3.0	0 Calibration	2	
0054.k0802	1500	03:23	08:02:05.9	+43:32:28	600	90	1.5	#178 Low Mass	4	600 line, thick clouds
0055.COMP	10	03:48	08:02:05.9	+43:32:28	600	90	1.5	0 Calibration	4	
0056.j0819p42	1800	03:51	08:19:17.7	+42:33:39	600	90	1.5	#178 Low Mass	4	
0057.COMP	10	04:21	08:19:17.7	+42:33:39	600	90	1.5	0 Calibration	4	
0058.j0819p42	1800	04:22	08:19:17.7	+42:33:39	600	90	1.5	#178 Low Mass	4	
0059.COMP	10	04:53	08:19:17.7	+42:33:39	600	90	1.5	0 Calibration	4	
0060.j0819p42	1800	04:58	08:19:17.7	+42:33:39	600	90	1.5	#178 Low Mass	4	
0061.COMP	10	05:28	08:19:17.7	+42:33:39	600	90	1.5	0 Calibration	4	
0062.wd0946	1800	05:30	09:49:58.7	+37:59:19	600	90	1.5	#178 Low Mass	4	
0063.COMP	10	06:01	09:49:58.7	+37:59:19	600	90	1.5	0 Calibration	4	
0064.wd0946	1800	06:02	09:49:58.7	+37:59:19	600	90	1.5	#178 Low Mass	4	
0065.COMP	10	06:33	09:49:58.7	+37:59:19	600	90	1.5	0 Calibration	4	
0066.k0802	1800	06:34	08:02:05.9	+43:32:28	600	90	1.5	#178 Low Mass	4	
0067.COMP	10	07:05	08:02:05.9	+43:32:28	600	90	1.5	0 Calibration	4	
0068.j0819p42	1200	07:06	08:19:17.7	+42:33:39	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
0069.COMP	10	07:27	08:19:17.7	+42:33:39	600	90	1.5	0 Calibration	4	
0070.wd0921	1500	07:31	09:23:50.3	-12:18:24	600	89	1.5	#178 Low Mass	4	put tape over LED on done slit
0071.COMP	10	07:56	09:23:50.3	-12:18:24	600	89	1.5	0 Calibration	4	
0072.pg1237	600	07:58	12:40:25.1	+23:03:48	600	89	1.5	#178 Low Mass	4	
0073.COMP	10	08:08	12:40:25.1	+23:03:48	600	90	1.5	0 Calibration	4	
0074.wd0921	1500	08:12	09:23:50.3	-12:18:24	600	89	1.5	#178 Low Mass	4	
0075.COMP	10	08:37	09:23:50.3	-12:18:24	600	90	1.5	0 Calibration	4	
0076.wd0946	1800	08:40	09:49:58.7	+37:59:19	600	89	1.5	#178 Low Mass	4	
0077.COMP	10	09:10	09:49:58.7	+37:59:19	600	89	1.5	0 Calibration	4	
0078.wd0921	1500	09:12	09:23:50.3	-12:18:24	600	89	1.5	#178 Low Mass	4	
0079.COMP	10	09:38	09:23:50.3	-12:18:24	600	90	1.5	0 Calibration	4	
0080.wd0921	1500	09:38	09:23:50.3	-12:18:24	600	90	1.5	#178 Low Mass	4	
0081.COMP	10	10:04	09:23:50.3	-12:18:24	600	90	1.5	0 Calibration	4	
0082.k0802	1500	10:06	08:02:05.9	+43:32:28	600	90	1.5	#178 Low Mass	4	
0083.COMP	10	10:31	08:02:05.9	+43:32:28	600	89	1.5	0 Calibration	4	
0084.j0819p42	900	10:33	08:19:17.7	+42:33:39	600	89	1.5	#178 Low Mass	4	
0085.COMP	10	10:48	08:19:17.7	+42:33:39	600	89	1.5	0 Calibration	4	
0086.j0819p42	1500	10:48	08:19:17.7	+42:33:39	600	89	1.5	#178 Low Mass	4	weird splotches
0087.COMP	10	11:14	08:19:17.7	+42:33:39	600	89	1.5	0 Calibration	4	
0088.pg1237	600	11:18	12:40:25.1	+23:03:48	600	89	1.5	#178 Low Mass	4	still there

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.COMP	10	11:28	12:40:25.1	+23:03:48	600	89	1.5	0 Calibration	4	
0090.wd0946	1320	11:30	09:49:58.7	+37:59:19	600	89	1.5	#178 Low Mass	4	getting really bad
0091.COMP	10	11:53	09:49:58.7	+37:59:19	600	89	1.5	0 Calibration	4	
0092.BIAS	0	12:07	09:49:58.7	+37:59:19	600	89	1.5	0 Calibration	4	re-filling dewar; DO NOT USE
0093.BIAS	0	12:08	09:49:58.7	+37:59:19	600	89	1.5	0 Calibration	4	DO NOT USE
0094.wd0946	1320	12:10	09:49:58.7	+37:59:19	600	89	1.5	#178 Low Mass	4	SATURATED
0095.COMP	10	12:32	09:49:58.7	+37:59:19	600	89	1.5	0 Calibration	4	DO NOT USE
0096.BIAS	0	12:37	12:40:25.1	+23:03:48	600	89	1.5	0 Calibration	4	DO NOT USE
0097.pg1237	600	12:38	12:40:25.1	+23:03:48	600	89	1.5	#178 Low Mass	4	still bad; re-starting CCD controller
0098.COMP	10	12:48	12:40:25.1	+23:03:48	600	89	1.5	0 Calibration	4	
0099.pg1237	600	12:50	12:40:25.1	+23:03:48	600	89	1.5	#178 Low Mass	4	
0100.COMP	10	13:00	12:40:25.1	+23:03:48	600	89	1.5	0 Calibration	4	
0101.pg1237	600	13:01	12:40:25.1	+23:03:48	600	88	1.5	#178 Low Mass	4	
0102.COMP	10	13:12	12:40:25.1	+23:03:48	600	88	1.5	0 Calibration	4	
0103.Feige34	180	13:13	10:39:36.7	+43:06:09	600	88	1.5	#56 Spectropho	4	
0104.COMP	10	13:16	10:39:36.7	+43:06:09	600	88	1.5	0 Calibration	4	
0105.BDp332642	120	13:18	15:51:59.9	+32:56:54	600	88	1.5	#56 Spectropho	4	
0106.COMP	10	13:21	15:51:59.9	+32:56:54	600	88	1.5	0 Calibration	4	
0107.BIAS	0	13:27	15:51:59.9	+32:56:54	600	88	1.5	0 Calibration	4	x14
0108-0119.BIAS	0	13:29	15:51:59.9	+32:56:54	600	88	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>
0120.FLAT	12	13:29	15:51:59.9	+32:56:54	600	88	1.5	0 Calibration	4	x15
0121-0134.FLAT	12	13:34	15:51:59.9	+32:56:54	600	88	1.5	0 Calibration	4	
0135.DARK	900	14:18	15:51:59.9	+32:56:54	600	88	1.5	0 Calibration	4	DO NOT USE, darks very high
0136-0139.DARK	900	15:19	15:51:59.9	+32:56:54	600	88	1.5	0 Calibration	4	
0140-0144.DARK	900	16:36	15:51:59.9	+32:56:54	600	88	1.5	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0002.BIAS	0	22:02	23:54:46.7	+31:25:10	300	90	3.0	0 Calibration	1	
0003.COMP	10	22:03	23:54:46.7	+31:25:10	300	90	3.0	0 Calibration	1	
0004.DARK	900	22:21	23:54:46.7	+31:25:10	300	90	3.0	0 Calibration	2	
0007-0012.DARK	900	01:04	00:45:06.9	+31:25:17	300	90	3.0	0 Calibration	2	
0013-0022.DARK	240	01:58	00:45:06.9	+31:25:17	300	90	3.0	0 Calibration	2	
0023-0032.BIAS	0	02:05	00:45:06.9	+31:25:17	300	90	3.0	0 Calibration	2	
0033-0052.FLAT	7	02:41	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0053.HD19445	10	02:42	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0054.COMP	10	02:43	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0055.G191B2B	300	02:45	05:05:30.6	+52:49:52	300	85	3.0	#56 Spectropho	2	
0056.COMP	10	02:51	05:05:30.6	+52:49:52	300	85	3.0	0 Calibration	2	
0057.snAT2016G	1800	02:54	03:03:57.7	+43:24:04	300	60	3.0	#2 SN Observat	2	
0058.COMP	10	03:25	03:03:57.7	+43:24:04	300	60	3.0	0 Calibration	2	
0059.snAT2016G	1800	03:26	03:03:57.7	+43:24:04	300	60	3.0	#2 SN Observat	2	
0060.COMP	10	04:03	03:03:57.7	+43:24:04	300	60	3.0	0 Calibration	2	
0061.snAT2016G	1800	04:07	03:03:57.7	+43:24:04	300	60	3.0	#2 SN Observat	2	
0062.COMP	10	04:38	03:03:57.7	+43:24:04	300	60	3.0	0 Calibration	2	
0063.GITau	240	04:42	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0064.COMP	10	04:47	04:33:34.0	+24:21:18	300	90	3.0	0 Calibration	2	
0065.GKTau	300	04:50	04:33:34.5	+24:21:07	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>
0066.COMP	10	04:56	04:33:34.5	+24:21:07	300	90	3.0	0 Calibration	2	
0067.BGGem	600	05:01	06:03:31.0	+27:41:50	300	88	3.0	#12 Symbiotic	2	
0068.COMP	10	05:11	06:03:31.0	+27:41:50	300	88	3.0	0 Calibration	2	
0069.BXMon	15	05:14	07:25:23.0	-03:35:51	300	88	3.0	#12 Symbiotic	2	
0070.BXMon	100	05:14	07:25:23.0	-03:35:51	300	88	3.0	#12 Symbiotic	2	
0071.COMP	10	05:17	07:25:23.0	-03:35:51	300	88	3.0	0 Calibration	2	
0072.SS129	300	05:19	07:32:45.0	-26:49:16	300	88	3.0	#12 Symbiotic	2	
0073.SS129	300	05:24	07:32:45.0	-26:49:16	300	88	3.0	#12 Symbiotic	2	
0074.COMP	10	05:30	07:32:45.0	-26:49:16	300	89	3.0	0 Calibration	2	
0075.j0819p42	900	05:36	08:19:17.7	+42:33:39	600	89	1.5	#178 Low Mass	4	
0076.COMP	10	05:52	08:19:17.7	+42:33:39	600	89	1.5	0 Calibration	4	
0077.k0802	1500	05:53	08:02:05.9	+43:32:28	600	89	1.5	#178 Low Mass	4	
0078.COMP	10	06:19	08:02:05.9	+43:32:28	600	89	1.5	0 Calibration	4	
0079.wd0946	1200	06:21	09:49:58.7	+37:59:19	600	89	1.5	#178 Low Mass	4	
0080.COMP	10	06:41	09:49:58.7	+37:59:19	600	89	1.5	0 Calibration	4	
0081.pg1237	600	06:47	12:40:25.1	+23:03:48	600	88	1.5	#178 Low Mass	4	
0082.COMP	10	06:58	12:40:25.1	+23:03:48	600	88	1.5	0 Calibration	4	
0083.j0819p42	900	07:00	08:19:17.7	+42:33:39	600	88	1.5	#178 Low Mass	4	
0084.COMP	10	07:16	08:19:17.7	+42:33:39	600	90	1.5	0 Calibration	4	
0085.k0802	1500	07:19	08:02:05.9	+43:32:28	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
0086.COMP	10	07:44	08:02:05.9	+43:32:28	600	90	1.5	0 Calibration	4	
0087.wd0946	1200	07:47	09:49:58.7	+37:59:19	600	90	1.5	#178 Low Mass	4	
0088.COMP	10	08:08	09:49:58.7	+37:59:19	600	89	1.5	0 Calibration	4	
0089.pg1237	600	08:10	12:40:25.1	+23:03:48	600	89	1.5	#178 Low Mass	4	
0090.COMP	10	08:20	12:40:25.1	+23:03:48	600	88	1.5	0 Calibration	4	
0091.j0819p42	900	08:41	08:19:17.7	+42:33:39	600	90	1.5	#178 Low Mass	4	
0092.COMP	10	08:57	08:19:17.7	+42:33:39	600	90	1.5	0 Calibration	4	
0093.k0802	1800	09:00	08:02:05.9	+43:32:28	600	90	1.5	#178 Low Mass	4	
0094.COMP	10	09:30	08:02:05.9	+43:32:28	600	89	1.5	0 Calibration	4	
0095.wd0946	1620	09:33	09:49:58.7	+37:59:19	600	89	1.5	#178 Low Mass	4	
0096.COMP	10	10:04	09:49:58.7	+37:59:19	600	90	1.5	0 Calibration	4	
0097.pg1237	720	10:07	12:40:25.1	+23:03:48	600	90	1.5	#178 Low Mass	4	
0098.COMP	10	10:19	12:40:25.1	+23:03:48	600	87	1.5	0 Calibration	4	
0099.Feige34	180	10:22	10:39:36.7	+43:06:09	600	87	1.5	#56 Spectropho	4	
0100.COMP	10	10:26	10:39:36.7	+43:06:09	600	87	1.5	0 Calibration	4	
0101-0110.FLAT	12	10:31	10:39:36.7	+43:06:09	600	87	1.5	0 Calibration	4	
0111.sn2016P	2100	10:43	13:57:31.1	+06:05:51	300	20	3.0	#2 SN Observat	2	
0112.COMP	10	11:18	13:57:31.1	+06:05:51	300	20	3.0	0 Calibration	2	
0113.sn2016P	2100	11:19	13:57:31.1	+06:05:51	300	20	3.0	#2 SN Observat	2	
0114.COMP	10	11:55	13:57:31.1	+06:05:51	300	20	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0115.sn2016P	2100	11:55	13:57:31.1	+06:05:51	300	20	3.0	#2 SN Observat	2	
0116.COMP	10	12:31	13:57:31.1	+06:05:51	300	20	3.0	0 Calibration	2	
0117.BDp262606	90	12:33	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0118.COMP	10	12:35	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0119.BDp262606	60	12:36	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0120.COMP	10	12:37	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0121.BDp332642	100	12:39	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0122.COMP	10	12:41	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0123.TXCVn	10	12:43	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0124.TXCVn	30	12:44	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0125.COMP	10	12:45	12:44:42.0	+36:45:48	300	89	3.0	0 Calibration	2	
0126.RWHya	2	12:47	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0127.RWHya	10	12:47	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0128.RWHya	20	12:48	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0129.COMP	10	12:49	13:34:18.0	-25:22:51	300	89	3.0	0 Calibration	2	
0130.TCrB	15	12:51	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0131.TCrB	60	12:52	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0132.COMP	10	12:53	15:59:30.0	+25:55:12	300	89	3.0	0 Calibration	2	
0133.AGDra	2	12:55	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0134.AGDra	15	12:55	16:01:41.0	+66:48:10	300	89	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>
0135.AGDra	60	12:56	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0136.COMP	10	12:58	16:01:41.0	+66:48:10	300	89	3.0	0 Calibration	2	
0137.15105559-2714190	660	13:01	15:10:55.6	-27:14:19	300	89	3.0	#141 2MASS Red	2	
0138.COMP	10	13:12	15:10:55.6	-27:14:19	300	89	3.0	0 Calibration	2	
0139-0148.BIAS	0	13:17	15:10:55.6	-27:14:19	300	89	3.0	0 Calibration	4	
0149-0168.FLAT	7	13:24	15:10:55.6	-27:14:19	300	89	3.0	0 Calibration	2	
0169-0178.BIAS	0	13:28	15:10:55.6	-27:14:19	300	89	3.0	0 Calibration	2	
0179-0187.DARK	900	15:31	15:10:55.6	-27:14:19	300	89	3.0	0 Calibration	4	

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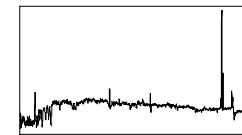
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	23:13	19:50:37.5	+31:28:06	300	89	3.0	0 Calibration	2	
0011.COMP	10	01:50	03:08:25.6	+26:19:51	300	89	3.0	0 Calibration	2	
0012-0021.BIAS	0	01:54	03:08:25.6	+26:19:51	300	89	3.0	0 Calibration	2	
0022-0036.FLAT	7	01:59	03:08:25.6	+26:19:51	300	89	3.0	0 Calibration	2	
0037.03565837+4638447	1200	02:12	03:56:58.4	+46:38:45	300	89	3.0	#141 2MASS Red	2	
0038.COMP	10	02:33	03:56:58.4	+46:38:45	300	89	3.0	0 Calibration	2	
0039.04185214+4125024	1500	02:39	04:18:52.1	+41:25:02	300	89	3.0	#141 2MASS Red	2	
0040.COMP	10	03:05	04:18:52.1	+41:25:02	300	89	3.0	0 Calibration	2	
0041.04201747+3558227	900	03:07	04:20:17.5	+35:58:23	300	89	3.0	#141 2MASS Red	2	
0042.COMP	10	03:23	04:20:17.5	+35:58:23	300	89	3.0	0 Calibration	2	
0043.04211624+3558003	1200	03:28	04:21:16.2	+35:58:00	300	87	3.0	#141 2MASS Red	2	
0044.COMP	10	03:49	04:21:16.2	+35:58:00	300	87	3.0	0 Calibration	2	
0045.04212045+3606443	1500	03:50	04:21:20.4	+36:06:44	300	87	3.0	#141 2MASS Red	2	
0046.COMP	10	04:15	04:21:20.4	+36:06:44	300	88	3.0	0 Calibration	2	
0047.04214216+3607553	1200	04:17	04:21:42.2	+36:07:55	300	88	3.0	#141 2MASS Red	2	
0048.COMP	10	04:46	04:21:42.2	+36:07:55	300	89	3.0	0 Calibration	2	
0049.04561229+5406288	1800	04:48	04:56:12.3	+54:06:29	300	89	3.0	#141 2MASS Red	2	
0050.COMP	10	05:19	04:56:12.3	+54:06:29	300	89	3.0	0 Calibration	2	
0051.05062657+3031474	900	06:00	05:06:26.6	+30:31:47	300	95	3.0	#141 2MASS Red	2	
0052.COMP	10	06:23	05:06:26.6	+30:31:47	300	96	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0053.05570511+4218366	1800	06:26	05:57:05.1	+42:18:37	300	90	3.0	#141 2MASS Red	2	
0054.COMP	10	07:12	05:57:05.1	+42:18:37	300	90	3.0	0 Calibration	2	
0055.05562627+3859276	1560	07:14	05:56:26.3	+38:59:28	300	90	3.0	#141 2MASS Red	2	
0056.COMP	10	07:40	05:56:26.3	+38:59:28	300	91	3.0	0 Calibration	2	
0057.05554931+4345495	1200	07:43	05:55:49.3	+43:45:50	300	91	3.0	#141 2MASS Red	2	
0058.COMP	10	08:06	05:55:49.3	+43:45:50	300	90	3.0	0 Calibration	2	
0059.HD84937	30	08:08	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0060.COMP	10	08:09	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0061.Feige34	180	08:11	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0062.COMP	10	08:16	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0063.AWI00000my	1800	08:20	10:13:07.6	-10:05:02	300	89	3.0	#219 Disk Dete	2	
0064.COMP	10	08:51	10:13:07.6	-10:05:02	300	90	3.0	0 Calibration	2	
0065.snASASSN16bg	1200	08:56	12:59:25.1	+27:44:25	300	90	3.0	#2 SN Observat	2	
0066.snASASSN16bg	1200	09:17	12:59:25.1	+27:44:25	300	90	3.0	#2 SN Observat	2	
0067.snASASSN16bg	1200	09:37	12:59:25.1	+27:44:25	300	90	3.0	#2 SN Observat	2	
0068.COMP	10	11:17	12:59:25.1	+27:44:25	300	90	3.0	0 Calibration	2	
0069.snASASSN16bp	1200	11:22	14:06:44.4	+71:53:15	300	90	3.0	#2 SN Observat	2	
0070.snASASSN16bp	1200	11:42	14:06:44.4	+71:53:15	300	90	3.0	#2 SN Observat	2	
0071.snASASSN16bp	1200	12:02	14:06:44.4	+71:53:15	300	90	3.0	#2 SN Observat	2	
0072.COMP	10	12:23	14:06:44.4	+71:53:15	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>
0073.snAT2016adm	1800	12:26	17:38:46.6	+59:22:22	300	90	3.0	#2 SN Observat	2	
0074.COMP	10	12:57	17:38:46.6	+59:22:22	300	90	3.0	0 Calibration	2	
0075.BDp332642	120	13:01	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0076.COMP	10	13:03	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0077-0086.BIAS	0	13:08	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0087-0101.FLAT	7	13:14	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0102-0111.DARK	900	15:38	15:51:59.9	+32:56:54	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
0001-0007.DARK	900	01:02	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0008-0020.BIAS	0	01:20	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0021-0035.FLAT	7	01:26	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0036.ZAnd	2	01:59	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0037.ZAnd	5	02:00	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0038.ZAnd	15	02:00	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0039.ZAnd	30	02:01	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0040.COMP	10	02:02	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0041.HD19445	10	02:04	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0042.COMP	10	02:04	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0043.COMP	10	02:07	03:03:57.7	+43:24:04	300	90	3.0	0 Calibration	2	
0044.snAT2016G	1800	02:09	03:03:57.7	+43:24:04	300	90	3.0	#2 SN Observat	2	
0045.snAT2016G	1800	02:39	03:03:57.7	+43:24:04	300	90	3.0	#2 SN Observat	2	
0046.snAT2016G	1800	03:09	03:03:57.7	+43:24:04	300	90	3.0	#2 SN Observat	2	
0047.COMP	10	03:40	03:03:57.7	+43:24:04	300	90	3.0	0 Calibration	2	
0048.05581510+0931460	1200	03:42	05:58:15.1	+09:31:46	300	90	3.0	#141 2MASS Red	2	
0049.COMP	10	04:03	05:58:15.1	+09:31:46	300	90	3.0	0 Calibration	2	
0050.06483642-1433566	900	04:05	06:48:36.4	-14:33:57	300	90	3.0	#141 2MASS Red	2	
0051.COMP	10	04:21	06:48:36.4	-14:33:57	300	90	3.0	0 Calibration	2	
0052.06484330-1847200	1500	04:24	06:48:43.3	-18:47:20	300	90	3.0	#141 2MASS Red	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0053.COMP	10	04:50	06:48:43.3	-18:47:20	300	90	3.0	0 Calibration	2	
0054.06544667-2025279	1500	04:52	06:54:46.7	-20:25:28	300	90	3.0	#141 2MASS Red	2	
0055.COMP	10	05:18	06:54:46.7	-20:25:28	300	91	3.0	0 Calibration	2	
0056.07152143-2511324	1500	05:19	07:15:21.4	-25:11:32	300	91	3.0	#141 2MASS Red	2	
0057.COMP	10	05:45	07:15:21.4	-25:11:32	300	90	3.0	0 Calibration	2	
0058.07155987-2541120	1200	05:47	07:15:59.9	-25:41:12	300	90	3.0	#141 2MASS Red	2	
0059.COMP	10	06:07	07:15:59.9	-25:41:12	300	90	3.0	0 Calibration	2	
0060.08470522-2747306	1500	06:10	08:47:05.2	-27:47:31	300	90	3.0	#141 2MASS Red	2	
0061.COMP	10	06:36	08:47:05.2	-27:47:31	300	90	3.0	0 Calibration	2	
0062.05150775+5206599	1200	06:39	05:15:07.8	+52:07:00	300	91	3.0	#141 2MASS Red	2	
0063.COMP	10	06:59	05:15:07.8	+52:07:00	300	91	3.0	0 Calibration	2	
0064.05284520+1816048	1800	07:01	05:28:45.2	+18:16:05	300	90	3.0	#141 2MASS Red	2	
0065.COMP	10	07:32	05:28:45.2	+18:16:05	300	90	3.0	0 Calibration	2	
0066.05293867+2032099	1500	07:33	05:29:38.7	+20:32:10	300	90	3.0	#141 2MASS Red	2	
0067.COMP	10	08:00	05:29:38.7	+20:32:10	300	90	3.0	0 Calibration	2	
0068.05310774+2434471	1685	08:02	05:31:07.7	+24:34:47	300	90	3.0	#141 2MASS Red	2	
0069.COMP	10	08:31	05:31:07.7	+24:34:47	300	90	3.0	0 Calibration	2	
0070.05553695+4311405	900	08:32	05:55:37.0	+43:11:40	300	90	3.0	#141 2MASS Red	2	
0071.COMP	10	08:48	05:55:37.0	+43:11:40	300	90	3.0	0 Calibration	2	
0072.HD84937	30	08:50	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0073.COMP	10	08:51	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0074.Feige34	180	08:52	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0075.COMP	10	08:56	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0076.N4853	360	08:59	12:58:35.2	+27:35:47	300	88	3.0	#57 Velocity S	2	
0077.COMP	10	09:06	12:58:35.2	+27:35:47	300	88	3.0	0 Calibration	2	
0078.snASASSN15so	1200	09:16	11:14:11.0	+48:19:07	300	88	3.0	#2 SN Observat	2	
0079.COMP	10	09:37	11:14:11.0	+48:19:07	300	88	3.0	0 Calibration	2	
0080.COMP	10	09:40	13:57:31.1	+06:05:51	300	86	3.0	0 Calibration	2	
0081.sn2016P	1800	09:42	13:57:31.1	+06:05:51	300	71	3.0	#2 SN Observat	2	
0082.sn2016P	1800	10:12	13:57:31.1	+06:05:51	300	71	3.0	#2 SN Observat	2	
0083.sn2016P	1800	10:43	13:57:31.1	+06:05:51	300	71	3.0	#2 SN Observat	2	
0084.COMP	10	11:13	13:57:31.1	+06:05:51	300	70	3.0	0 Calibration	2	
0085.AWIO0004c1	1500	11:37	16:12:41.5	+05:41:40	300	89	3.0	#219 Disk Dete	2	
0086.COMP	10	12:02	16:12:41.5	+05:41:40	300	89	3.0	0 Calibration	2	
0087.snASASSN16bp	1800	12:08	14:06:44.4	+71:53:15	300	89	3.0	#2 SN Observat	2	
0088.COMP	10	12:39	14:06:44.4	+71:53:15	300	88	3.0	0 Calibration	2	
0089.snAT2016adm	1200	12:41	17:38:46.6	+59:22:22	300	88	3.0	#2 SN Observat	2	
0090.COMP	10	13:03	17:38:46.6	+59:22:22	300	88	3.0	0 Calibration	2	
0091.BDp332642	120	13:04	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0092.COMP	10	13:07	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	

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0093-0102.BIAS	0	13:12	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0103-0117.FLAT	7	13:17	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	