

UT Date 2018-06-13 Observers M CalkinsColl. Focus 1310 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	19:23	05:23:29.0	+31:35:10	300	86	3.0	0 Calibration	2	
0002.COMP	10	19:23	05:23:29.0	+31:35:10	300	86	3.0	0 Calibration	2	
0007-0016.BIAS	0	02:56	12:56:50.1	+31:34:46	300	85	3.0	0 Calibration	4	
0017-0036.FLAT	7	03:05	12:56:50.1	+31:34:46	300	85	3.0	0 Calibration	2	
0037-0046.BIAS	0	03:09	12:56:50.1	+31:34:46	300	85	3.0	0 Calibration	2	
0047.BDp262606	25	03:47	14:49:02.4	+25:42:09	300	85	3.0	#56 Spectropho	2	
0048.COMP	10	03:48	14:49:02.4	+25:42:09	300	85	3.0	0 Calibration	2	
0049.Mkn110	1200	03:52	09:25:12.9	+52:17:10	300	85	3.0	#227 Changing-	2	
0050.Mkn110	1200	04:18	09:25:12.9	+52:17:10	300	85	3.0	#227 Changing-	2	
0051.Mkn110	1200	04:38	09:25:12.9	+52:17:10	300	85	3.0	#227 Changing-	2	
0052.COMP	10	04:58	09:25:12.9	+52:17:10	300	85	3.0	0 Calibration	2	
0053.TXCVn	10	05:30	12:44:42.0	+36:45:48	300	85	3.0	#12 Symbiotic	2	
0054.TXCVn	45	05:31	12:44:42.0	+36:45:48	300	85	3.0	#12 Symbiotic	2	
0055.COMP	10	05:32	12:44:42.0	+36:45:48	300	86	3.0	0 Calibration	2	
0056.TCrB	15	05:34	15:59:30.0	+25:55:12	300	86	3.0	#12 Symbiotic	2	
0057.TCrB	60	05:34	15:59:30.0	+25:55:12	300	86	3.0	#12 Symbiotic	2	
0058.COMP	10	05:36	15:59:30.0	+25:55:12	300	86	3.0	0 Calibration	2	
0059.AGDra	3	05:39	16:01:41.0	+66:48:10	300	86	3.0	#12 Symbiotic	2	
0060.AGDra	15	05:40	16:01:41.0	+66:48:10	300	86	3.0	#12 Symbiotic	2	
0061.AGDra	60	05:40	16:01:41.0	+66:48:10	300	86	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0062.COMP	10	05:42	16:01:41.0	+66:48:10	300	86	3.0	0 Calibration	2	
0063.DracoC1	1500	05:45	17:19:58.0	+57:50:06	300	86	3.0	#12 Symbiotic	2	
0064.COMP	10	06:11	17:19:58.0	+57:50:06	300	85	3.0	0 Calibration	2	
0065.BDp332642	120	06:13	15:51:59.9	+32:56:54	300	85	3.0	#56 Spectropho	2	
0066.COMP	10	06:16	15:51:59.9	+32:56:54	300	85	3.0	0 Calibration	2	
0067.SN2018bsz	1800	06:19	16:09:39.2	-32:03:45	300	86	3.0	#225	2	
0068.SN2018bsz	1800	06:49	16:09:39.2	-32:03:45	300	86	3.0	#225	2	
0069.SN2018bsz	1800	07:22	16:09:39.2	-32:03:45	300	86	3.0	#225	2	
0070.COMP	10	07:53	16:09:39.2	-32:03:45	300	86	3.0	0 Calibration	2	
0071.AT2018bym	2400	07:58	18:43:13.4	+45:12:28	300	86	3.0	#225	2	
0072.AT2018bym	2400	08:38	18:43:13.4	+45:12:28	300	86	3.0	#225	2	
0073.AT2018bym	2400	09:37	18:43:13.4	+45:12:28	300	80	3.0	#225	2	
0074.COMP	10	10:17	18:43:13.4	+45:12:28	300	82	3.0	0 Calibration	2	
0075-0084.BIAS	0	11:13	18:05:33.7	-20:20:38	300	82	3.0	0 Calibration	2	
0085-0104.FLAT	7	11:21	18:05:33.7	-20:20:38	300	82	3.0	0 Calibration	2	
0105-0114.DARK	900	13:43	18:05:33.7	-20:20:38	300	82	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	02:03	18:05:33.7	-20:20:38	300	82	3.0	0 Calibration	4	
0011-0020.BIAS	0	02:19	18:05:33.7	-20:20:38	300	82	3.0	0 Calibration	4	
0021-0040.FLAT	7	02:28	18:05:33.7	-20:20:38	300	82	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:30	18:05:33.7	-20:20:38	300	82	3.0	0 Calibration	2	
0051.BDp262606	25	03:38	14:49:02.4	+25:42:09	300	82	3.0	#56 Spectropho	2	
0052.COMP	10	03:40	14:49:02.4	+25:42:09	300	82	3.0	0 Calibration	2	
0053.BDp332642	150	03:42	15:51:59.9	+32:56:54	300	82	3.0	#56 Spectropho	2	
0054.COMP	10	03:45	15:51:59.9	+32:56:54	300	85	3.0	0 Calibration	2	
0055.snAT2018cij	2100	05:50	15:34:57.2	+50:56:16	300	84	3.0	#2 SN Observat	2	
0056.COMP	10	06:26	15:34:57.2	+50:56:16	300	72	3.0	0 Calibration	2	
0057.AS210	8	06:29	16:51:20.3	-26:00:33	300	72	3.0	#12 Symbiotic	2	
0058.COMP	10	06:35	16:51:20.3	-26:00:33	300	85	3.0	0 Calibration	2	
0059.AS210	600	06:58	16:51:20.3	-26:00:33	300	85	3.0	#12 Symbiotic	2	
0060.COMP	10	07:09	16:51:20.3	-26:00:33	300	85	3.0	0 Calibration	2	
0061.AS210	7	07:09	16:51:20.3	-26:00:33	300	85	3.0	#12 Symbiotic	2	
0062.COMP	10	07:10	16:51:20.3	-26:00:33	300	85	3.0	0 Calibration	2	
0063.Hen1341	12	07:12	17:08:36.0	-17:26:30	300	85	3.0	#12 Symbiotic	2	
0064.Hen1341	30	07:13	17:08:36.0	-17:26:30	300	85	3.0	#12 Symbiotic	2	
0065.Hen1341	60	07:13	17:08:36.0	-17:26:30	300	85	3.0	#12 Symbiotic	2	
0066.COMP	10	07:15	17:08:36.0	-17:26:30	300	86	3.0	0 Calibration	2	

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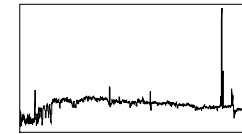
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.RS0ph	10	07:17	17:50:13.0	-06:42:30	300	86	3.0	#12 Symbiotic	2	
0068.RS0ph	60	07:18	17:50:13.0	-06:42:30	300	86	3.0	#12 Symbiotic	2	
0069.RS0ph	150	07:19	17:50:13.0	-06:42:30	300	86	3.0	#12 Symbiotic	2	
0070.COMP	10	07:22	17:50:13.0	-06:42:30	300	85	3.0	0 Calibration	2	
0071.AS270	70	07:25	18:05:33.7	-20:20:38	300	85	3.0	#12 Symbiotic	2	
0072.AS270	420	07:27	18:05:33.7	-20:20:38	300	85	3.0	#12 Symbiotic	2	
0073.COMP	10	07:35	18:05:33.7	-20:20:38	300	85	3.0	0 Calibration	2	
0074.Hen1591	120	07:37	18:07:32.0	-25:53:43	300	85	3.0	#12 Symbiotic	2	
0075.Hen1591	300	07:39	18:07:32.0	-25:53:43	300	85	3.0	#12 Symbiotic	2	
0076.COMP	10	07:45	18:07:32.0	-25:53:43	300	85	3.0	0 Calibration	2	
0077.AS281	60	07:47	18:10:44.0	-27:57:51	300	85	3.0	#12 Symbiotic	2	
0078.AS281	360	07:48	18:10:44.0	-27:57:51	300	85	3.0	#12 Symbiotic	2	
0079.COMP	10	07:56	18:10:44.0	-27:57:51	300	86	3.0	0 Calibration	2	
0080.AT2018cij	1800	08:03	15:34:57.2	+50:56:17	300	86	3.0	#225	2	
0081.COMP	10	08:34	15:34:57.2	+50:56:17	300	83	3.0	0 Calibration	2	
0082.AT2018cej	900	08:38	18:06:50.7	+69:49:28	300	83	3.0	#225	2	
0083.COMP	10	08:53	18:06:50.7	+69:49:28	300	87	3.0	0 Calibration	2	
0084.AS289	15	08:56	18:12:22.0	-11:40:08	300	87	3.0	#12 Symbiotic	2	
0085.AS289	420	08:57	18:12:22.0	-11:40:08	300	87	3.0	#12 Symbiotic	2	
0086.COMP	10	09:04	18:12:22.0	-11:40:08	300	87	3.0	0 Calibration	2	

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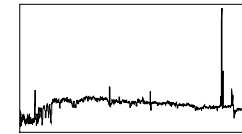
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.YYHer	10	09:06	18:14:34.0	+20:59:19	300	87	3.0	#12 Symbiotic	2	
0088.YYHer	60	09:07	18:14:34.0	+20:59:19	300	87	3.0	#12 Symbiotic	2	
0089.COMP	10	09:08	18:14:34.0	+20:59:19	300	87	3.0	0 Calibration	2	
0090.AS296	30	09:10	18:15:07.0	-00:18:52	300	88	3.0	#12 Symbiotic	2	
0091.AS296	120	09:11	18:15:07.0	-00:18:52	300	88	3.0	#12 Symbiotic	2	
0092.COMP	10	09:13	18:15:07.0	-00:18:52	300	87	3.0	0 Calibration	2	
0093.Hen1674	120	09:16	18:20:19.1	-26:22:46	300	87	3.0	#12 Symbiotic	2	
0094.Hen1674	600	09:18	18:20:19.1	-26:22:46	300	88	3.0	#12 Symbiotic	2	
0095.COMP	10	09:28	18:20:19.1	-26:22:46	300	87	3.0	0 Calibration	2	
0096.V443Her	4	09:31	18:22:07.0	+23:27:20	300	87	3.0	#12 Symbiotic	2	
0097.V443Her	45	09:32	18:22:07.0	+23:27:20	300	87	3.0	#12 Symbiotic	2	
0098.V443Her	90	09:33	18:22:07.0	+23:27:20	300	87	3.0	#12 Symbiotic	2	
0099.COMP	10	09:35	18:22:07.0	+23:27:20	300	87	3.0	0 Calibration	2	
0100.AS316	30	09:37	18:42:33.0	-21:17:47	300	87	3.0	#12 Symbiotic	2	
0101.AS316	300	09:38	18:42:33.0	-21:17:47	300	87	3.0	#12 Symbiotic	2	
0102.COMP	10	09:43	18:42:33.0	-21:17:47	300	87	3.0	0 Calibration	2	
0103.AS327	30	09:45	18:53:17.0	-24:22:59	300	87	3.0	#12 Symbiotic	2	
0104.AS327	300	09:46	18:53:17.0	-24:22:59	300	88	3.0	#12 Symbiotic	2	
0105.COMP	10	09:52	18:53:17.0	-24:22:59	300	86	3.0	0 Calibration	2	
0106-0125.FLAT	7	11:15	19:03:47.0	+16:26:17	300	86	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>
0126-0135.BIAS	0	11:18	19:03:47.0	+16:26:17	300	86	3.0	0 Calibration	2	
0136-0144.DARK	900	13:23	19:03:47.0	+16:26:17	300	86	3.0	0 Calibration	2	

UT Date 2018-06-15 Observers M CalkinsColl. Focus 1310 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	02:47	19:03:47.0	+16:26:17	300	86	3.0	0 Calibration	4	
0011-0020.BIAS	0	03:25	19:03:47.0	+16:26:17	300	86	3.0	0 Calibration	4	
0021-0030.DARK	900	13:51	00:26:00.0	+31:30:00	300	86	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>
0001.BIAS	0	02:31	12:37:23.5	+25:04:00	300	86	3.0	0 Calibration	2	
0002.BIAS	0	02:31	12:37:23.5	+25:04:00	300	86	3.0	0 Calibration	2	cloudy rainy night
0003.BIAS	0	02:31	12:37:23.5	+25:04:00	300	86	3.0	0 Calibration	2	

UT Date 2018-06-17 Observers P BerlindColl. Focus 1310 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0003.BIAS	0	23:57	10:10:00.0	+32:00:00	300	86	3.0	0 Calibration	2	
0004-0008.DARK	900	00:59	10:10:00.0	+32:00:00	300	86	3.0	0 Calibration	2	
0009-0013.DARK	900	02:15	10:10:00.0	+32:00:00	300	86	3.0	0 Calibration	4	
0014-0025.BIAS	0	02:42	10:10:00.0	+32:00:00	300	86	3.0	0 Calibration	4	
0026-0035.BIAS	0	02:44	10:10:00.0	+32:00:00	300	86	3.0	0 Calibration	2	
0036-0050.FLAT	7	02:50	10:10:00.0	+32:00:00	300	86	3.0	0 Calibration	2	
0051.BDp262606	10	03:52	14:49:02.4	+25:42:09	300	86	3.0	#56 Spectropho	2	
0052.BDp262606	90	03:54	14:49:02.4	+25:42:09	300	86	3.0	#56 Spectropho	2	
0053.COMP	10	03:56	14:49:02.4	+25:42:09	300	86	3.0	0 Calibration	2	
0054.ASASSN-18mv	600	04:00	13:49:39.4	+47:49:09	300	86	3.0	#220 ASASSN Tr	2	
0055.ASASSN-18mv	600	04:10	13:49:39.4	+47:49:09	300	86	3.0	#220 ASASSN Tr	2	
0056.ASASSN-18mv	600	04:20	13:49:39.4	+47:49:09	300	86	3.0	#220 ASASSN Tr	2	
0057.COMP	10	04:31	13:49:39.4	+47:49:09	300	85	3.0	0 Calibration	2	
0058.snZTF18abauprj	600	04:34	16:59:05.1	+47:14:11	300	85	3.0	#2 SN Observat	2	
0059.snZTF18abauprj	1800	04:45	16:59:05.1	+47:14:11	300	85	3.0	#2 SN Observat	2	
0060.snZTF18abauprj	1800	05:15	16:59:05.1	+47:14:11	300	85	3.0	#2 SN Observat	2	
0061.snZTF18abauprj	1201	05:46	16:59:05.1	+47:14:11	300	85	3.0	#2 SN Observat	2	stopped by clouds
0062.COMP	10	06:06	16:59:05.1	+47:14:11	300	85	3.0	0 Calibration	2	
0063.BDp332642	120	06:08	15:51:59.9	+32:56:54	300	85	3.0	#56 Spectropho	2	
0064.COMP	10	06:11	15:51:59.9	+32:56:54	300	85	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0065.BRUTUS8285_8	335	06:18	14:03:30.0	+54:28:43	300	90	3.0	#220 ASASSN Tr	2	test exposure not visible
0066.COMP	10	07:40	18:11:34.7	+39:53:23	600	90	1.5	0 Calibration	4	
0067.gaia18	200	07:43	16:35:34.2	-14:31:06	600	90	1.5	#178 Low Mass	4	600-line, 1.5-sec, 445
0068.gaia18	600	07:48	16:35:34.2	-14:31:06	600	89	1.5	#178 Low Mass	4	
0069.COMP	10	07:58	16:35:34.2	-14:31:06	600	88	1.5	0 Calibration	4	
0070.gaia19	240	08:01	17:04:14.7	-02:40:31	600	89	1.5	#178 Low Mass	4	
0071.COMP	10	08:06	17:04:14.7	-02:40:31	600	89	1.5	0 Calibration	4	
0072.BDp332642	120	08:08	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	
0073.COMP	10	08:11	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0074.gaia17	180	08:13	16:01:21.0	+41:10:00	600	89	1.5	#178 Low Mass	4	
0075.COMP	10	08:16	16:01:21.0	+41:10:00	600	89	1.5	0 Calibration	4	
0076.gaia20	120	08:18	18:11:34.7	+39:53:23	600	89	1.5	#178 Low Mass	4	
0077.COMP	10	08:21	18:11:34.7	+39:53:23	600	87	1.5	0 Calibration	4	
0078.gaia21	120	08:23	18:13:17.1	+61:19:07	600	87	1.5	#178 Low Mass	4	
0079.COMP	10	08:25	18:13:17.1	+61:19:07	600	87	1.5	0 Calibration	4	
0080.gaia22	240	08:27	18:20:29.9	+47:29:52	600	87	1.5	#178 Low Mass	4	
0081.COMP	10	08:31	18:20:29.9	+47:29:52	600	87	1.5	0 Calibration	4	
0082.gaia23	120	08:32	19:01:56.3	+45:58:18	600	89	1.5	#178 Low Mass	4	
0083.COMP	10	08:35	19:01:56.3	+45:58:18	600	89	1.5	0 Calibration	4	
0084.j1812p43	1380	08:37	18:12:22.8	+43:21:08	600	97	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0085.COMP	10	09:00	18:12:22.8	+43:21:08	600	97	1.5	0 Calibration	4	
0086.j1820p22	1800	09:02	18:20:09.5	+22:52:13	600	97	1.5	#178 Low Mass	4	
0087.COMP	10	09:33	18:20:09.5	+22:52:13	600	91	1.5	0 Calibration	4	
0088.gaia24	1200	09:36	21:51:14.7	+16:45:23	600	91	1.5	#178 Low Mass	4	
0089.COMP	10	09:57	21:51:14.7	+16:45:23	600	91	1.5	0 Calibration	4	
0090.gaia25	900	09:59	21:54:41.3	-04:18:18	600	90	1.5	#178 Low Mass	4	
0091.COMP	10	10:15	21:54:41.3	-04:18:18	600	90	1.5	0 Calibration	4	
0092.gaia27	900	10:18	22:45:39.4	+20:16:33	600	91	1.5	#178 Low Mass	4	
0093.COMP	10	10:33	22:45:39.4	+20:16:33	600	91	1.5	0 Calibration	4	
0094.gaia26	150	10:39	22:42:02.3	+51:36:40	600	90	1.5	#178 Low Mass	4	
0095.COMP	10	10:42	22:42:02.3	+51:36:40	600	90	1.5	0 Calibration	4	
0096.j2040m18	1200	10:45	20:40:43.6	-18:51:27	600	90	1.5	#178 Low Mass	4	
0097.COMP	10	11:06	20:40:43.6	-18:51:27	600	90	1.5	0 Calibration	4	
0098-0112.FLAT	12	11:13	20:40:43.6	-18:51:27	600	90	1.5	0 Calibration	4	
0113-0122.BIAS	0	11:14	20:40:43.6	-18:51:27	600	90	1.5	0 Calibration	4	
0123.test	10	11:18	20:40:43.6	-18:51:27	300	90	3.0	#178 Low Mass	2	
0124.test	10	11:19	20:40:43.6	-18:51:27	300	90	3.0	#178 Low Mass	2	

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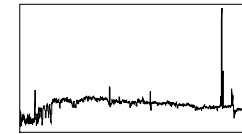
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	02:53	12:09:38.7	+31:30:19	300	89	3.0	0 Calibration	4	
0006-0015.BIAS	0	03:14	12:09:38.7	+31:30:19	300	89	3.0	0 Calibration	4	
0018-0037.FLAT	7	03:23	12:09:38.7	+31:30:19	300	89	3.0	0 Calibration	2	
0038-0050.BIAS	0	03:28	12:09:38.7	+31:30:19	300	89	3.0	0 Calibration	2	
0051.BDp332642	120	03:34	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0052.COMP	10	03:37	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0053.BDp262606	20	03:39	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0054.COMP	10	03:40	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0055.snAT2018cii	1800	03:44	10:42:39.1	-07:26:34	300	89	3.0	#2 SN Observat	2	
0056.COMP	10	04:14	10:42:39.1	-07:26:34	300	89	3.0	0 Calibration	2	
0057.SN2018bgv	1800	04:21	11:02:30.3	+55:35:56	300	88	3.0	#225	2	
0058.SN2018bgv	1800	04:51	11:02:30.3	+55:35:56	300	88	3.0	#225	2	
0059.SN2018bgv	1800	05:21	11:02:30.3	+55:35:56	300	88	3.0	#225	2	
0060.COMP	10	05:51	11:02:30.3	+55:35:56	300	89	3.0	0 Calibration	2	
0061.SN2018bsz	1500	05:57	16:09:39.2	-32:03:45	300	89	3.0	#225	2	
0062.COMP	10	06:22	16:09:39.2	-32:03:45	300	89	3.0	0 Calibration	2	
0063.SN2018avk	1800	06:26	13:11:27.8	+65:38:17	300	89	3.0	#225	2	
0064.SN2018avk	1800	06:56	13:11:27.8	+65:38:17	300	89	3.0	#225	2	
0065.SN2018avk	1800	07:26	13:11:27.8	+65:38:17	300	89	3.0	#225	2	
0066.COMP	10	07:56	13:11:27.8	+65:38:17	300	90	3.0	0 Calibration	2	

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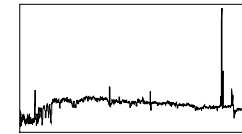
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.snAT2018cow	900	07:59	16:16:00.2	+22:16:05	300	89	3.0	#2 SN Observat	2	
0068.COMP	10	08:15	16:16:00.2	+22:16:05	300	90	3.0	0 Calibration	2	
0069.snZTF18abauprj	1800	08:18	16:59:05.1	+47:14:11	300	60	3.0	#2 SN Observat	2	
0070.COMP	10	08:49	16:59:05.1	+47:14:11	300	61	3.0	0 Calibration	2	
0071.AS338	90	08:53	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0072.AS338	600	08:55	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0073.COMP	10	09:05	19:03:47.0	+16:26:17	300	90	3.0	0 Calibration	2	
0074.V919Sgr	15	09:07	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0075.V919Sgr	30	09:07	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0076.COMP	10	09:08	19:03:45.0	-16:59:56	300	89	3.0	0 Calibration	2	
0077.BFCyg	15	09:11	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0078.BFCyg	15	09:11	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0079.COMP	10	09:12	19:23:53.0	+29:40:27	300	90	3.0	0 Calibration	2	
0080.CHCyg	1	09:13	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0081.CHCyg	5	09:13	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0082.CHCyg	30	09:14	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0083.COMP	10	09:15	19:24:33.0	+50:14:30	300	90	3.0	0 Calibration	2	
0084.HMSge	1	09:18	19:41:57.0	+16:44:41	300	90	3.0	#12 Symbiotic	2	
0085.HMSge	10	09:18	19:41:57.0	+16:44:41	300	90	3.0	#12 Symbiotic	2	
0086.HMSge	60	09:18	19:41:57.0	+16:44:41	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.COMP	10	09:20	19:41:57.0	+16:44:41	300	89	3.0	0 Calibration	2	
0088.AS360	60	09:21	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0089.AS360	300	09:23	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0090.COMP	10	09:28	19:45:49.0	+18:36:49	300	90	3.0	0 Calibration	2	
0091.CICyg	4	09:30	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0092.CICyg	15	09:30	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0093.COMP	10	09:32	19:50:12.0	+35:41:02	300	90	3.0	0 Calibration	2	
0094.V1016Cyg	1	09:33	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0095.V1016Cyg	10	09:33	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0096.V1016Cyg	60	09:34	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0097.COMP	10	09:35	19:57:05.0	+39:49:37	300	89	3.0	0 Calibration	2	
0098.PUVul	1	09:38	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0099.PUVul	10	09:39	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0100.PUVul	60	09:40	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0101.COMP	10	09:41	20:21:13.0	+21:34:21	300	89	3.0	0 Calibration	2	
0102.V1515Cyg	600	09:42	20:23:48.0	+42:12:24	300	89	3.0	#12 Symbiotic	2	
0103.COMP	10	09:53	20:23:48.0	+42:12:24	300	90	3.0	0 Calibration	2	
0104.V1329Cyg	20	09:54	20:51:01.0	+35:34:55	300	90	3.0	#12 Symbiotic	2	
0105.V1329Cyg	120	09:55	20:51:01.0	+35:34:55	300	90	3.0	#12 Symbiotic	2	
0106.COMP	10	09:57	20:51:01.0	+35:34:55	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
0107.AT2018bzb	1800	10:02	20:43:09.0	-22:50:06	300	89	3.0	#225	2	
0108.COMP	10	10:33	20:43:09.0	-22:50:06	300	90	3.0	0 Calibration	2	
0109.sn2018cif	1800	10:38	22:03:00.9	+02:35:51	300	90	3.0	#2 SN Observat	2	
0110.COMP	10	11:08	22:03:00.9	+02:35:51	300	90	3.0	0 Calibration	2	
0111.AGPeg	1	11:09	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	
0112.AGPeg	10	11:09	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	
0113.AGPeg	30	11:10	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	
0114.COMP	10	11:11	21:51:02.0	+12:37:33	300	90	3.0	0 Calibration	2	
0115.V1057Cyg	360	11:12	20:58:54.0	+44:15:30	300	90	3.0	#12 Symbiotic	2	
0116.COMP	10	11:19	20:58:54.0	+44:15:30	300	89	3.0	0 Calibration	2	
0117.ZAnd	1	11:20	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0118.ZAnd	5	11:21	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0119.ZAnd	30	11:21	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0120.COMP	10	11:22	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0121-0130.BIAS	0	11:26	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0131-0150.FLAT	7	11:33	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0151-0160.DARK	900	13:53	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0009.DARK	900	03:09	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	4	
0010-0020.BIAS	0	03:27	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	4	
0021-0040.FLAT	7	03:32	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0041-0050.BIAS	0	03:36	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0051.BDp332642	120	03:39	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0052.COMP	10	03:42	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0053.BDp262606	25	03:43	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0054.COMP	10	03:44	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0055.N4853	360	03:46	12:58:35.2	+27:35:47	300	89	3.0	#57 Velocity S	2	
0056.COMP	10	03:53	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0057.AT2018cey	1800	03:58	10:46:23.0	+18:40:26	300	89	3.0	#225	2	
0058.COMP	10	04:28	10:46:23.0	+18:40:26	300	89	3.0	0 Calibration	2	
0059.BRUTUS8288_12	1800	04:39	12:05:23.3	+17:55:09	300	89	3.0	#220 ASASSN Tr	2	
0060.COMP	10	05:10	12:05:23.3	+17:55:09	300	88	3.0	0 Calibration	2	
0061.snZTF18abauprj	1800	05:13	16:59:05.1	+47:14:11	300	70	3.0	#2 SN Observat	2	
0062.COMP	10	05:44	16:59:05.1	+47:14:11	300	69	3.0	0 Calibration	2	
0063.SN2018bsz	1800	05:49	16:09:39.2	-32:03:45	300	90	3.0	#225	2	
0064.COMP	10	06:19	16:09:39.2	-32:03:45	300	90	3.0	0 Calibration	2	
0065.BRUTUS8288_3	1500	06:22	18:17:32.2	+19:26:40	300	90	3.0	#220 ASASSN Tr	2	
0066.COMP	10	06:47	18:17:32.2	+19:26:40	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
0067-0086.FLAT	12	06:58	18:17:32.2	+19:26:40	600	90	1.5	0 Calibration	4	
0087.BDp332642	150	07:02	15:51:59.9	+32:56:54	600	90	1.5	#56 Spectropho	4	
0088.COMP	10	07:05	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0089.j2010p09	1617	07:09	20:10:08.0	+09:57:41	600	90	1.5	#178 Low Mass	4	
0090.COMP	10	07:36	20:10:08.0	+09:57:41	600	89	1.5	0 Calibration	4	
0091.j2013p07	1252	07:44	20:13:53.4	+07:09:46	600	89	1.5	#178 Low Mass	4	
0092.COMP	10	08:05	20:13:53.4	+07:09:46	600	89	1.5	0 Calibration	4	
0093.j2015p00	1600	08:07	20:15:26.0	+00:37:54	600	89	1.5	#178 Low Mass	4	
0094.COMP	10	08:34	20:15:26.0	+00:37:54	600	89	1.5	0 Calibration	4	
0095.j2017p08	1700	08:36	20:17:31.1	+08:50:22	600	89	1.5	#178 Low Mass	4	
0096.COMP	10	09:06	20:17:31.1	+08:50:22	600	89	1.5	0 Calibration	4	
0097.j2025p13	1500	09:07	20:25:31.5	+13:01:35	600	89	1.5	#178 Low Mass	4	
0098.COMP	10	09:33	20:25:31.5	+13:01:35	600	89	1.5	0 Calibration	4	
0099.j2046m14	1600	09:35	20:46:32.3	-14:13:08	600	89	1.5	#178 Low Mass	4	
0100.COMP	10	10:02	20:46:32.3	-14:13:08	600	89	1.5	0 Calibration	4	
0101.j2047p25	1600	10:05	20:47:18.5	+25:44:36	600	80	1.5	#178 Low Mass	4	
0102.COMP	10	10:32	20:47:18.5	+25:44:36	600	80	1.5	0 Calibration	4	
0103.gaia28	600	10:34	00:41:59.2	+36:23:52	600	80	1.5	#178 Low Mass	4	
0104.COMP	10	10:44	00:41:59.2	+36:23:52	600	79	1.5	0 Calibration	4	
0105.COMP	5	10:47	00:41:59.2	+36:23:52	300	90	3.0	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>
0106.COMP	5	10:49	00:41:59.2	+36:23:52	300	90	3.0	0 Calibration	4	
0107.COMP	5	10:50	00:41:59.2	+36:23:52	300	90	3.0	0 Calibration	4	
0108.sn2018cif	1200	10:53	22:03:00.9	+02:35:51	300	80	3.0	#2 SN Observat	2	
0109.COMP	10	11:13	22:03:00.9	+02:35:51	300	80	3.0	0 Calibration	2	
0110.BDp174708	30	11:15	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0111.COMP	10	11:16	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0112.BDp284211	120	11:17	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0113.COMP	10	11:20	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0114-0123.BIAS	0	11:26	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0124-0143.FLAT	7	11:34	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0144-0153.DARK	900	13:54	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	