

UT Date 2018-03-13 Observers P BerlindColl. Focus 1310 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0002.BIAS	0	02:01	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0002.COMP	5	19:01	22:57:38.8	+31:30:46	300	90	3.0	0 Calibration	2	
0003-0010.BIAS	0	02:02	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0011-0025.FLAT	7	02:08	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0026.sn2018yu	1500	02:35	05:22:32.4	-11:29:14	300	90	3.0	#2 SN Observat	2	
0027.COMP	10	03:01	05:22:32.4	-11:29:14	300	90	3.0	0 Calibration	2	
0028.snAT2018gv	1800	03:05	08:05:34.6	-11:26:16	300	90	3.0	#2 SN Observat	2	
0029.COMP	10	03:36	08:05:34.6	-11:26:16	300	86	3.0	0 Calibration	2	
0030.snAT2018oh	747	03:51	09:06:39.5	+19:20:18	300	85	3.0	#2 SN Observat	2	
0031.snAT2018oh	1800	04:16	09:06:39.5	+19:20:18	300	85	3.0	#2 SN Observat	2	
0032.COMP	10	04:46	09:06:39.5	+19:20:18	300	86	3.0	0 Calibration	2	
0033.HD84937	30	04:48	09:48:56.1	+13:44:39	300	86	3.0	#56 Spectropho	2	
0034.COMP	10	04:49	09:48:56.1	+13:44:39	300	86	3.0	0 Calibration	2	
0035.Feige34	180	04:51	10:39:36.7	+43:06:09	300	86	3.0	#56 Spectropho	2	
0036.COMP	10	04:55	10:39:36.7	+43:06:09	300	85	3.0	0 Calibration	2	
0037.snAT2018aay	1800	05:54	10:32:34.8	-02:41:19	300	86	3.0	#2 SN Observat	2	
0038.COMP	10	06:25	10:32:34.8	-02:41:19	300	86	3.0	0 Calibration	2	
0040.TXCVn	30	07:07	12:44:42.0	+36:45:48	300	85	3.0	#12 Symbiotic	2	
0041.TXCVn	30	07:10	12:44:42.0	+36:45:48	300	85	3.0	#12 Symbiotic	2	
0042.COMP	10	07:15	12:44:42.0	+36:45:48	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
0055.J104335	900	07:28	10:43:35.9	+11:51:29	300	89	3.0	#227 Changing-	2	
0056.J104335	900	07:43	10:43:35.9	+11:51:29	300	89	3.0	#227 Changing-	2	
0057.J104335	900	07:59	10:43:35.9	+11:51:29	300	89	3.0	#227 Changing-	2	
0058.COMP	10	08:15	10:43:35.9	+11:51:29	300	89	3.0	0 Calibration	2	
0059.snSN2018pv	600	08:20	11:52:55.7	+36:59:12	300	0	3.0	#2 SN Observat	2	
0060.snSN2018pv	600	08:31	11:52:55.7	+36:59:12	300	0	3.0	#2 SN Observat	2	
0061.COMP	10	08:41	11:52:55.7	+36:59:12	300	1	3.0	0 Calibration	2	
0062.J121509	900	08:51	12:15:09.2	+33:09:55	300	89	3.0	#227 Changing-	2	
0063.J121509	900	09:06	12:15:09.2	+33:09:55	300	89	3.0	#227 Changing-	2	
0064.J121509	900	09:21	12:15:09.2	+33:09:55	300	89	3.0	#227 Changing-	2	
0065.COMP	10	09:37	12:15:09.2	+33:09:55	300	88	3.0	0 Calibration	2	
0066.BDp332642	120	11:09	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0067.COMP	10	11:13	15:51:59.9	+32:56:54	300	88	3.0	0 Calibration	2	
0068.TCrB	15	11:15	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0069.TCrB	60	11:15	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0070.COMP	10	11:17	15:59:30.0	+25:55:12	300	88	3.0	0 Calibration	2	
0071.AGDra	15	11:19	16:01:41.0	+66:48:10	300	88	3.0	#12 Symbiotic	2	
0072.AGDra	10	11:19	16:01:41.0	+66:48:10	300	88	3.0	#12 Symbiotic	2	
0073.AGDra	75	11:20	16:01:41.0	+66:48:10	300	88	3.0	#12 Symbiotic	2	
0074.COMP	10	11:21	16:01:41.0	+66:48:10	300	88	3.0	0 Calibration	2	

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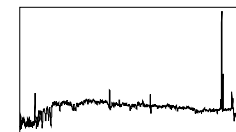
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0075.DracoC1	1800	11:23	17:19:58.0	+57:50:06	300	88	3.0	#12 Symbiotic	2	
0076.COMP	10	12:01	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
0077-0081.DARK	1200	13:32	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	

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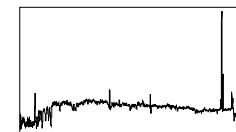
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	19:54	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
0011-0025.FLAT	7	20:01	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
0026.aldebaran	1	02:34	04:35:55.0	+16:30:33	300	90	3.0	#12 Symbiotic	2	
0027.aldebaran	1	02:36	04:35:55.0	+16:30:33	300	90	3.0	#12 Symbiotic	2	
0028.aldebaran	1	02:39	04:35:55.0	+16:30:33	300	90	3.0	#12 Symbiotic	2	
0028.aldebaranq.ms	1	02:39	04:35:55.0	+16:30:33	300	90	3.0	#12 Symbiotic	1	
0029.aldebaran	10	02:52	04:35:55.0	+16:30:33	300	90	3.0	#12 Symbiotic	2	
0029.aldebaranq.ms	10	02:52	04:35:55.0	+16:30:33	300	90	3.0	#12 Symbiotic	1	
0030.COMP	10	03:04	04:35:55.0	+16:30:33	300	90	3.0	0 Calibration	2	
0031.BD+181563	120	03:39	07:18:32.9	+17:53:42	300	90	3.0	Ay100	2	
0031.BD+181563q.ms	120	03:39	07:18:32.9	+17:53:42	300	90	3.0	Ay100	1	
0032.BD+181563	11	03:46	07:18:32.9	+17:53:42	300	90	3.0	Ay100	2	
0033.BD+181563	120	03:46	07:18:32.9	+17:53:42	300	89	3.0	Ay100	2	
0034.COMP	10	03:48	07:18:32.9	+17:53:42	300	89	3.0	0 Calibration	2	
0035.BD+181563	10	03:50	07:18:32.9	+17:53:42	300	89	3.0	Ay100	2	
0035.BD+181563q.ms	10	03:50	07:18:32.9	+17:53:42	300	89	3.0	Ay100	1	
0036.BD+181563	120	03:51	07:18:32.9	+17:53:42	300	89	3.0	Ay100	2	
0037.BD+181563	120	03:54	07:18:32.9	+17:53:42	300	89	3.0	Ay100	2	
0037.BD+181563q.ms	120	03:54	07:18:32.9	+17:53:42	300	89	3.0	Ay100	1	
0038.COMP	10	04:01	07:44:13.9	+20:12:05	300	89	3.0	0 Calibration	2	

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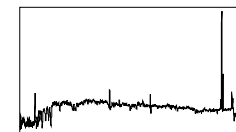
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0039.HD62346	30	04:03	07:44:13.9	+20:12:05	300	89	3.0	Ay100	2	
0039.HD62346q.ms	30	04:03	07:44:13.9	+20:12:05	300	89	3.0	Ay100	1	
0040.HD62346	30	04:08	07:44:13.9	+20:12:05	300	89	3.0	Ay100	2	
0041.HD62346	30	04:08	07:44:13.9	+20:12:05	300	89	3.0	Ay100	2	
0042.COMP	10	04:18	08:45:35.7	+19:41:50	300	89	3.0	0 Calibration	2	
0043.LB400	30	04:19	08:45:35.7	+19:41:50	300	89	3.0	Ay100	2	
0043.LB400q.ms	30	04:19	08:45:35.7	+19:41:50	300	89	3.0	Ay100	1	
0044.LB400	300	04:21	08:45:35.7	+19:41:50	300	89	3.0	Ay100	2	
0044.LB400q.ms	300	04:21	08:45:35.7	+19:41:50	300	89	3.0	Ay100	1	
0045.LB400	600	04:33	08:45:35.7	+19:41:50	300	89	3.0	Ay100	2	
0045.LB400q.ms	600	04:33	08:45:35.7	+19:41:50	300	89	3.0	Ay100	1	
0046.COMP	10	04:52	08:58:15.1	+19:45:47	300	89	3.0	0 Calibration	2	
0047.G1116	600	04:53	08:58:15.1	+19:45:47	300	89	3.0	Ay100	2	
0047.G1116q.ms	600	04:53	08:58:15.1	+19:45:47	300	89	3.0	Ay100	1	
0048.G1116	1200	05:10	08:58:15.1	+19:45:47	300	89	3.0	Ay100	2	
0048.G1116q.ms	1200	05:10	08:58:15.1	+19:45:47	300	89	3.0	Ay100	1	
0049.COMP	10	05:30	08:58:15.1	+19:45:47	300	89	3.0	0 Calibration	2	
0050.COMP	10	06:11	07:27:09.4	+07:20:07	300	89	3.0	0 Calibration	2	
0051.FASTROT	90	06:13	07:27:09.4	+07:20:07	300	89	3.0	Ay100	2	
0051.FASTROTq.ms	90	06:13	07:27:09.4	+07:20:07	300	89	3.0	Ay100	1	

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0052.COMP	10	06:20	07:27:09.4	+07:20:07	300	89	3.0	0 Calibration	2	
0053.MEDROT	120	06:24	07:10:40.8	+46:03:44	300	89	3.0	Ay100	2	
0053.MEDROTq.ms	120	06:24	07:10:40.8	+46:03:44	300	89	3.0	Ay100	1	
0054.COMP	10	06:31	07:10:40.8	+46:03:44	300	89	3.0	0 Calibration	2	
0055.HD233772	120	06:36	10:48:02.9	+53:59:57	300	89	3.0	Ay100	2	
0055.HD233772q.ms	120	06:36	10:48:02.9	+53:59:57	300	89	3.0	Ay100	1	
0056.COMP	10	06:44	10:48:23.5	+37:34:13	300	88	3.0	0 Calibration	2	
0057.HD93521	60	06:47	10:48:23.5	+37:34:13	300	88	3.0	Ay100	2	
0057.HD93521q.ms	60	06:47	10:48:23.5	+37:34:13	300	88	3.0	Ay100	1	
0058.HD93521	30	06:49	10:48:23.5	+37:34:13	300	88	3.0	Ay100	2	
0058.HD93521q.ms	30	06:49	10:48:23.5	+37:34:13	300	88	3.0	Ay100	1	
0059.HD93521	10	06:50	10:48:23.5	+37:34:13	300	88	3.0	Ay100	2	
0059.HD93521q.ms	10	06:50	10:48:23.5	+37:34:13	300	88	3.0	Ay100	1	
0060.COMP	10	06:53	10:48:23.5	+37:34:13	300	88	3.0	0 Calibration	2	
0061.BD102179	120	06:58	10:38:55.2	+10:03:49	300	88	3.0	Ay100	2	
0061.BD102179q.ms	120	06:58	10:38:55.2	+10:03:49	300	88	3.0	Ay100	1	
0062.BD102179	90	07:04	10:38:55.2	+10:03:49	300	88	3.0	Ay100	2	
0062.BD102179q.ms	90	07:04	10:38:55.2	+10:03:49	300	88	3.0	Ay100	1	
0063.COMP	10	07:08	10:38:55.2	+10:03:49	300	89	3.0	0 Calibration	2	
0064.HD233799	90	07:10	11:01:40.9	+49:36:34	300	89	3.0	Ay100	2	

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0064.HD233799q.ms	90	07:10	11:01:40.9	+49:36:34	300	89	3.0	Ay100	1	
0065.COMP	10	07:27	11:01:40.9	+49:36:34	300	89	3.0	0 Calibration	2	
0066.AT_2018xc	30	07:48	09:58:30.5	+14:55:39	300	89	3.0	Ay100	2	
0066.AT_2018xcq.ms	30	07:48	09:58:30.5	+14:55:39	300	89	3.0	Ay100	1	
0067.AT_2018xc	443	07:51	09:58:30.5	+14:55:39	300	89	3.0	Ay100	2	
0067.AT_2018xcq.ms	443	07:51	09:58:30.5	+14:55:39	300	89	3.0	Ay100	1	
0068.AT_2018xc	30	08:08	09:58:30.5	+14:55:39	300	88	3.0	Ay100	2	
0068.AT_2018xcq.ms	30	08:08	09:58:30.5	+14:55:39	300	88	3.0	Ay100	1	
0069.AT_2018xc	120	08:09	09:58:30.5	+14:55:39	300	88	3.0	Ay100	2	
0069.AT_2018xcq.ms	120	08:09	09:58:30.5	+14:55:39	300	88	3.0	Ay100	1	
0070.AT_2018xc	300	08:14	09:58:30.5	+14:55:39	300	88	3.0	Ay100	2	
0070.AT_2018xcq.ms	300	08:14	09:58:30.5	+14:55:39	300	88	3.0	Ay100	1	
0071.AT_2018xc	900	08:22	09:58:30.5	+14:55:39	300	88	3.0	Ay100	2	
0071.AT_2018xcq.ms	900	08:22	09:58:30.5	+14:55:39	300	88	3.0	Ay100	1	
0072.COMP	10	08:44	09:58:30.5	+14:55:39	300	88	3.0	0 Calibration	2	
0073.AT_2018adg	120	09:15	13:25:31.2	-14:21:05	300	88	3.0	Ay100	2	
0074.COMP	10	09:57	13:35:09.2	+24:48:24	300	89	3.0	0 Calibration	2	
0075.BD+252649	60	09:58	13:35:09.2	+24:48:24	300	89	3.0	Ay100	2	
0075.BD+252649q.ms	60	09:58	13:35:09.2	+24:48:24	300	89	3.0	Ay100	1	
0076.BD+252649	120	09:59	13:35:09.2	+24:48:24	300	89	3.0	Ay100	2	

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0076.BD+252649q.ms	120	09:59	13:35:09.2	+24:48:24	300	89	3.0	Ay100	1	
0077.COMP	10	10:04	13:35:09.2	+24:48:24	300	89	3.0	0 Calibration	2	
0078.HD129002	60	10:21	14:38:50.2	+44:24:16	300	89	3.0	Ay100	2	
0078.HD129002q.ms	60	10:21	14:38:50.2	+44:24:16	300	89	3.0	Ay100	1	
0079.COMP	10	10:26	14:38:50.2	+44:24:16	300	89	3.0	0 Calibration	2	
0080.HD129988	10	10:28	14:44:59.1	+27:04:30	300	89	3.0	Ay100	2	
0080.HD129988q.ms	10	10:28	14:44:59.1	+27:04:30	300	89	3.0	Ay100	1	
0081.HD129988	30	10:30	14:44:59.1	+27:04:30	300	89	3.0	Ay100	2	
0081.HD129988q.ms	30	10:30	14:44:59.1	+27:04:30	300	89	3.0	Ay100	1	
0082.COMP	10	10:36	14:44:59.1	+27:04:30	300	89	3.0	0 Calibration	2	
0083.HR5468	60	10:38	14:38:50.2	+44:24:16	300	89	3.0	Ay100	2	
0083.HR5468q.ms	60	10:38	14:38:50.2	+44:24:16	300	89	3.0	Ay100	1	
0084.COMP	10	10:51	13:25:31.2	-14:21:05	300	89	3.0	0 Calibration	2	
0085.Jupiter	2	11:00	15:24:26.2	-17:23:17	300	89	3.0	Ay100	2	
0086.NGC5965	60	11:18	15:34:02.4	+56:41:08	300	55	3.0	Ay100	2	
0086.NGC5965q.ms	60	11:18	15:34:02.4	+56:41:08	300	55	3.0	Ay100	1	
0087.NGC5965	300	11:20	15:34:02.4	+56:41:08	300	55	3.0	Ay100	2	
0087.NGC5965q.ms	300	11:20	15:34:02.4	+56:41:08	300	55	3.0	Ay100	1	
0088.COMP	10	11:30	15:34:02.4	+56:41:08	300	55	3.0	0 Calibration	2	
0089.HR5676	60	11:34	15:14:29.2	+29:09:51	300	90	3.0	Ay100	2	

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0089.HR5676q.ms	60	11:34	15:14:29.2	+29:09:51	300	90	3.0	Ay100	1	
0090.COMP	10	11:37	15:14:29.2	+29:09:51	300	90	3.0	0 Calibration	2	
0091.HD135501	90	11:41	15:12:57.9	+56:02:47	300	90	3.0	Ay100	2	
0091.HD135501q.ms	90	11:41	15:12:57.9	+56:02:47	300	90	3.0	Ay100	1	
0092.COMP	10	11:46	15:12:57.9	+56:02:47	300	90	3.0	0 Calibration	2	
0093.HD135517	90	11:51	15:13:59.2	+43:02:53	300	90	3.0	Ay100	2	
0093.HD135517q.ms	90	11:51	15:13:59.2	+43:02:53	300	90	3.0	Ay100	1	
0094.HD135517	60	11:53	15:13:59.2	+43:02:53	300	90	3.0	Ay100	2	
0094.HD135517q.ms	60	11:53	15:13:59.2	+43:02:53	300	90	3.0	Ay100	1	
0095.COMP	10	11:56	15:13:59.2	+43:02:53	300	90	3.0	0 Calibration	2	
0096.oph72	30	11:59	18:07:21.0	+09:33:50	300	90	3.0	Ay100	2	
0096.oph72q.ms	30	11:59	18:07:21.0	+09:33:50	300	90	3.0	Ay100	1	
0097.oph72	10	12:00	18:07:21.0	+09:33:50	300	90	3.0	Ay100	2	
0097.oph72q.ms	10	12:00	18:07:21.0	+09:33:50	300	90	3.0	Ay100	1	
0098.oph72	5	12:02	18:07:21.0	+09:33:50	300	90	3.0	Ay100	2	
0098.oph72q.ms	5	12:02	18:07:21.0	+09:33:50	300	90	3.0	Ay100	1	
0099.oph72	2	12:04	18:07:21.0	+09:33:50	300	90	3.0	Ay100	2	
0100.oph72	2	12:04	18:07:21.0	+09:33:50	300	90	3.0	Ay100	2	
0101.oph72	2	12:05	18:07:21.0	+09:33:50	300	90	3.0	Ay100	2	
0101.oph72q.ms	2	12:05	18:07:21.0	+09:33:50	300	90	3.0	Ay100	1	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0102.COMP	10	12:11	17:03:53.6	+34:47:25	300	90	3.0	0 Calibration	2	
0103.HD154431	60	12:12	17:03:53.6	+34:47:25	300	90	3.0	Ay100	2	
0103.HD154431q.ms	60	12:12	17:03:53.6	+34:47:25	300	90	3.0	Ay100	1	
0104.HD154431	30	12:15	17:03:53.6	+34:47:25	300	90	3.0	Ay100	2	
0104.HD154431q.ms	30	12:15	17:03:53.6	+34:47:25	300	90	3.0	Ay100	1	
0105.HD154431	10	12:17	17:03:53.6	+34:47:25	300	90	3.0	Ay100	2	
0105.HD154431q.ms	10	12:17	17:03:53.6	+34:47:25	300	90	3.0	Ay100	1	
0106.HD154431	10	12:18	17:03:53.6	+34:47:25	300	90	3.0	Ay100	2	
0107.HD154431	10	12:19	17:03:53.6	+34:47:25	300	90	3.0	Ay100	2	
0108.COMP	10	12:21	16:08:05.7	+10:04:50	300	90	3.0	0 Calibration	2	
0109.HD144937	10	12:22	16:08:05.7	+10:04:50	300	90	3.0	Ay100	2	
0109.HD144937q.ms	10	12:22	16:08:05.7	+10:04:50	300	90	3.0	Ay100	1	
0110.HD144937	10	12:22	16:08:05.7	+10:04:50	300	90	3.0	Ay100	2	
0111.HD144937	10	12:23	16:08:05.7	+10:04:50	300	90	3.0	Ay100	2	
0112.COMP	10	12:25	19:27:19.6	+65:33:54	300	90	3.0	0 Calibration	2	
0113-0117.DARK	900	13:54	19:27:19.6	+65:33:54	300	90	3.0	0 Calibration	2	
b0011.FLAT	7	19:56	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0012.FLAT	7	19:56	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0013.FLAT	7	19:56	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0014.FLAT	7	19:57	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	

UT Date 2018-03-14 Observers P BerlindColl. Focus 1310 Grating/Grism 300

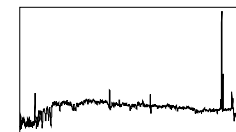
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
b0015.FLAT	7	19:57	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0016.FLAT	7	19:58	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0017.FLAT	7	19:58	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0018.FLAT	7	19:58	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0019.FLAT	7	19:59	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0020.FLAT	7	19:59	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0021.FLAT	7	19:59	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0022.FLAT	7	20:00	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0023.FLAT	7	20:00	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0024.FLAT	7	20:00	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0025.FLAT	7	20:01	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
b0038.COMP	10	04:01	07:44:13.9	+20:12:05	300	89	3.0	0 Calibration	2	
b0039.HD62346	30	04:03	07:44:13.9	+20:12:05	300	89	3.0	Ay100	2	
b0040.HD62346	30	04:08	07:44:13.9	+20:12:05	300	89	3.0	Ay100	2	
b0041.HD62346	30	04:08	07:44:13.9	+20:12:05	300	89	3.0	Ay100	2	
bias	0	19:53	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	2	
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	

UT Date 2018-03-15 Observers P BerlindColl. Focus 1310 Grating/Grism 300

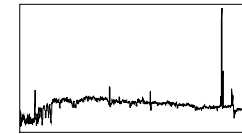
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:45	05:05:00.0	+25:00:00	300	90	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:52	05:05:00.0	+25:00:00	300	90	3.0	0 Calibration	2	
0026.COMP	10	02:25	05:05:00.0	+25:00:00	300	90	3.0	0 Calibration	2	
0027.HD46193	90	02:32	06:35:35.2	+57:59:10	300	90	3.0	Ay100	2	
0028.COMP	10	02:41	06:35:35.2	+57:59:10	300	90	3.0	0 Calibration	2	
0029.OrionNeb	10	03:22	05:35:17.3	-05:23:28	300	90	3.0	Ay100	2	
0030.OrionNeb	10	03:24	05:35:17.3	-05:23:28	300	90	3.0	Ay100	2	
0030.OrionNebq.ms	10	03:24	05:35:17.3	-05:23:28	300	90	3.0	Ay100	1	
0031.OrionNeb	20	03:29	05:35:17.3	-05:23:28	300	90	3.0	Ay100	2	
0031.OrionNebq.ms	20	03:29	05:35:17.3	-05:23:28	300	90	3.0	Ay100	1	
0032.OrionNeb	30	03:31	05:35:17.3	-05:23:28	300	90	3.0	Ay100	2	
0032.OrionNebq.ms	30	03:31	05:35:17.3	-05:23:28	300	90	3.0	Ay100	1	
0033.COMP	10	03:35	05:35:17.3	-05:23:28	300	90	3.0	0 Calibration	2	
0034.NGC2857	360	03:41	09:24:37.7	+49:21:25	300	90	3.0	Ay100	2	
0034.NGC2857q.ms	360	03:41	09:24:37.7	+49:21:25	300	90	3.0	Ay100	1	
0035-0038.BIAS	0	03:49	09:24:37.7	+49:21:25	300	90	3.0	0 Calibration	2	
0039.BIAS	10	03:50	09:24:37.7	+49:21:25	300	88	3.0	0 Calibration	2	
0039.BIASq.ms	10	03:50	09:24:37.7	+49:21:25	300	88	3.0	Ay100	1	
0040.BIAS	60	03:52	09:24:37.7	+49:21:25	300	88	3.0	0 Calibration	2	
0040.BIASq.ms	60	03:52	09:24:37.7	+49:21:25	300	88	3.0	Ay100	1	

UT Date 2018-03-15 Observers P BerlindColl. Focus 1310 Grating/Grism 300

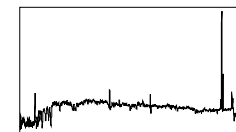
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0041.COMP	10	03:56	09:24:37.7	+49:21:25	300	88	3.0	0 Calibration	2	
0042.NGC2857	600	03:59	09:24:37.7	+49:21:25	300	87	3.0	Ay100	2	
0043-0052.BIAS	0	04:14	09:24:37.7	+49:21:25	300	87	3.0	0 Calibration	2	
0053-0067.FLAT	7	04:20	09:24:37.7	+49:21:25	300	87	3.0	0 Calibration	2	
0068.COMP	10	04:21	09:24:37.7	+49:21:25	300	87	3.0	0 Calibration	2	
0069.nAT_2018xz	300	04:34	10:02:31.6	+13:43:43	300	87	3.0	Ay100	2	
0069.nAT_2018xzq.ms	300	04:34	10:02:31.6	+13:43:43	300	87	3.0	Ay100	1	
0070.nAT_2018xz	900	04:49	10:02:31.6	+13:43:43	300	86	3.0	Ay100	2	
0071.nAT_2018xz	300	05:05	10:02:31.6	+13:43:43	300	86	3.0	Ay100	2	
0071.nAT_2018xzq.ms	300	05:05	10:02:31.6	+13:43:43	300	86	3.0	Ay100	1	
0072.COMP	10	05:14	10:02:31.6	+13:43:43	300	88	3.0	0 Calibration	2	
0073-0077.DARK	900	10:23	10:48:23.5	+37:34:13	300	88	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 2018-03-16 Observers P BerlindColl. 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.DARK	900	01:32	10:48:23.5	+37:34:13	300	88	3.0	0 Calibration	2	
0002.DARK	10	02:00	10:48:23.5	+37:34:13	300	88	3.0	0 Calibration	2	
0003.DARK	30	02:02	10:48:23.5	+37:34:13	300	88	3.0	0 Calibration	2	
0004-0013.BIAS	0	02:17	10:48:23.5	+37:34:13	300	88	3.0	0 Calibration	2	
0014-0028.FLAT	7	02:23	10:48:23.5	+37:34:13	300	88	3.0	0 Calibration	2	
0029.COMP	10	02:31	06:43:55.9	+25:07:52	300	88	3.0	0 Calibration	2	
0030.NGC2618	300	02:40	08:35:53.5	+00:42:26	300	88	3.0	Ay100	2	
0031.BIAS	0	02:56	08:35:53.5	+00:42:26	300	87	3.0	0 Calibration	2	
0032-0034.BIAS	0	03:38	07:17:48.8	+31:30:37	300	86	3.0	0 Calibration	2	

UT Date 2018-03-17 Observers P BerlindColl. Focus 1310 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0006-0015.BIAS	0	02:20	04:56:56.3	-04:51:57	300	87	3.0	0 Calibration	2	
0016-0030.FLAT	7	02:27	04:56:56.3	-04:51:57	300	87	3.0	0 Calibration	2	
0031.DARK	1200	02:28	04:56:56.3	-04:51:57	300	87	3.0	0 Calibration	2	looks ok after previous days problem
0032-0039.DARK	1200	05:09	04:56:56.3	-04:51:57	300	87	3.0	0 Calibration	2	
0040.DARK	1200	05:29	04:56:56.3	-04:51:57	300	87	3.0	0 Calibration	2	cloudy
0041.Feige34	180	08:11	10:39:36.7	+43:06:09	300	87	3.0	#56 Spectropho	2	
0042.COMP	10	08:15	10:39:36.7	+43:06:09	300	87	3.0	0 Calibration	2	
0043.snAT2018aay	1800	08:20	10:32:34.8	-02:41:19	300	87	3.0	#2 SN Observat	2	
0044.COMP	10	08:50	10:32:34.8	-02:41:19	300	87	3.0	0 Calibration	2	
0045.snSN2018pv	900	09:00	11:52:55.7	+36:59:12	300	0	3.0	#2 SN Observat	2	
0046.COMP	10	09:15	11:52:55.7	+36:59:12	300	0	3.0	0 Calibration	2	
0047.BDp262606	90	09:17	14:49:02.4	+25:42:09	300	0	3.0	#56 Spectropho	2	
0048.COMP	10	09:19	14:49:02.4	+25:42:09	300	0	3.0	0 Calibration	2	
0050.COMP	10	09:25	11:51:43.0	+04:33:25	600	90	1.5	0 Calibration	4	
0053.bb901	360	09:28	11:51:43.0	+04:33:25	600	90	1.5	#178 Low Mass	4	600gpm 1.5-sec blue 445
0054.COMP	10	09:35	11:51:43.0	+04:33:25	600	88	1.5	0 Calibration	4	
0055.bb965	60	09:36	13:12:25.9	-20:24:36	600	88	1.5	#178 Low Mass	4	
0056.COMP	10	09:37	13:12:25.9	-20:24:36	600	88	1.5	0 Calibration	4	
0057.bb967	150	09:40	13:13:22.1	-29:45:20	600	88	1.5	#178 Low Mass	4	
0058.COMP	10	09:43	13:13:22.1	-29:45:20	600	88	1.5	0 Calibration	4	

UT Date 2018-03-17 Observers P BerlindColl. Focus 1310 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0059.bb979	180	09:44	13:21:56.3	-28:26:31	600	88	1.5	#178 Low Mass	4	
0060.COMP	10	09:47	13:21:56.3	-28:26:31	600	88	1.5	0 Calibration	4	
0061.bb976	45	09:49	13:20:07.0	-25:11:50	600	88	1.5	#178 Low Mass	4	
0062.COMP	10	09:50	13:20:07.0	-25:11:50	600	88	1.5	0 Calibration	4	
0063.bb974	60	09:52	13:19:58.7	-12:45:35	600	88	1.5	#178 Low Mass	4	
0064.COMP	10	09:53	13:19:58.7	-12:45:35	600	88	1.5	0 Calibration	4	
0065.bb982	90	09:55	13:23:45.8	-13:47:26	600	88	1.5	#178 Low Mass	4	
0066.COMP	10	09:56	13:23:45.8	-13:47:26	600	88	1.5	0 Calibration	4	
0067.bb985	150	09:58	13:28:18.3	-26:33:51	600	88	1.5	#178 Low Mass	4	
0068.COMP	10	10:01	13:28:18.3	-26:33:51	600	89	1.5	0 Calibration	4	
0069.bb998	120	10:03	13:41:43.8	-29:54:31	600	89	1.5	#178 Low Mass	4	
0070.COMP	10	10:05	13:41:43.8	-29:54:31	600	89	1.5	0 Calibration	4	
0071.bb1011	240	10:07	13:58:35.7	-29:44:28	600	88	1.5	#178 Low Mass	4	
0072.COMP	10	10:11	13:58:35.7	-29:44:28	600	88	1.5	0 Calibration	4	
0073.bb1016	300	10:12	14:01:01.7	-24:30:34	600	88	1.5	#178 Low Mass	4	
0074.COMP	10	10:18	14:01:01.7	-24:30:34	600	88	1.5	0 Calibration	4	
0075.bb1026	300	10:19	14:10:19.7	-23:34:09	600	88	1.5	#178 Low Mass	4	
0076.COMP	10	10:24	14:10:19.7	-23:34:09	600	88	1.5	0 Calibration	4	
0077.bb1030	60	10:25	14:13:21.3	-25:32:39	600	88	1.5	#178 Low Mass	4	
0078.COMP	10	10:27	14:13:21.3	-25:32:39	600	88	1.5	0 Calibration	4	

UT Date 2018-03-17 Observers P BerlindColl. Focus 1310 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0079.bb1031	110	10:28	14:14:33.2	-26:17:33	600	88	1.5	#178 Low Mass	4	
0080.COMP	10	10:30	14:14:33.2	-26:17:33	600	88	1.5	0 Calibration	4	
0081.bb1032	90	10:31	14:15:20.1	-24:34:02	600	88	1.5	#178 Low Mass	4	
0082.COMP	10	10:33	14:15:20.1	-24:34:02	600	88	1.5	0 Calibration	4	
0083.bb1037	420	10:34	14:21:18.9	-25:24:19	600	88	1.5	#178 Low Mass	4	
0084.COMP	10	10:42	14:21:18.9	-25:24:19	600	88	1.5	0 Calibration	4	
0085.bb1039	45	10:43	14:22:32.3	-23:22:12	600	88	1.5	#178 Low Mass	4	
0086.COMP	10	10:44	14:22:32.3	-23:22:12	600	88	1.5	0 Calibration	4	
0087.bb1045	1060	10:45	14:34:33.9	-09:59:12	600	88	1.5	#178 Low Mass	4	
0088.COMP	10	11:04	14:34:33.9	-09:59:12	600	88	1.5	0 Calibration	4	
0089.bb1052	900	11:06	14:44:16.9	-09:36:36	600	88	1.5	#178 Low Mass	4	
0090.COMP	10	11:21	14:44:16.9	-09:36:36	600	89	1.5	0 Calibration	4	
0091.bb1051	1200	11:23	14:43:54.5	-07:07:18	600	89	1.5	#178 Low Mass	4	
0092.COMP	10	11:44	14:43:54.5	-07:07:18	600	88	1.5	0 Calibration	4	
0093.bb1054	1200	11:46	14:51:57.3	-05:33:10	600	88	1.5	#178 Low Mass	4	
0094.COMP	10	12:06	14:51:57.3	-05:33:10	600	88	1.5	0 Calibration	4	
0095.bb1060	360	12:07	15:11:05.7	-00:47:16	600	88	1.5	#178 Low Mass	4	
0096.COMP	10	12:13	15:11:05.7	-00:47:16	600	88	1.5	0 Calibration	4	
0097.BDp332642	120	12:15	15:51:59.9	+32:56:54	600	88	1.5	#56 Spectropho	4	
0098.COMP	10	12:17	15:51:59.9	+32:56:54	600	88	1.5	0 Calibration	4	

UT Date 2018-03-17 Observers P BerlindColl. Focus 1310 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>
0099-0108.BIAS	0	12:19	15:51:59.9	+32:56:54	600	88	1.5	0 Calibration	4	
0109-0118.FLAT	15	12:23	15:51:59.9	+32:56:54	600	88	1.5	0 Calibration	4	
0119-0128.DARK	1200	15:32	15:51:59.9	+32:56:54	600	88	1.5	0 Calibration	4	

UT Date 2018-03-18 Observers P ChallisColl. Focus 1310 Grating/Grism 300

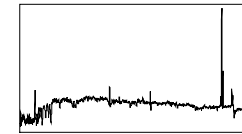
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	1200	21:15	15:51:59.9	+32:56:54	600	88	1.5	0 Calibration	4	
0006.test	10	22:08	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0007-0011.DARK	1200	23:29	15:51:59.9	+32:56:54	300	88	3.0	0 Calibration	2	
0012-0025.BIAS	0	01:58	15:51:59.9	+32:56:54	300	88	3.0	0 Calibration	2	
0026-0040.FLAT	7	02:04	15:51:59.9	+32:56:54	300	88	3.0	0 Calibration	2	
0041.BXMon	15	02:23	07:25:23.0	-03:35:51	300	88	3.0	#12 Symbiotic	2	
0042.BXMon	60	02:24	07:25:23.0	-03:35:51	300	88	3.0	#12 Symbiotic	2	
0043.BXMon	120	02:25	07:25:23.0	-03:35:51	300	88	3.0	#12 Symbiotic	2	
0044.COMP	10	02:28	07:25:23.0	-03:35:51	300	88	3.0	0 Calibration	2	
0045.SN2018yu	901	02:29	05:22:32.4	-11:29:14	300	88	3.0	#220 ASASSN Tr	2	
0046.SN2018yu	900	02:45	05:22:32.4	-11:29:14	300	88	3.0	#220 ASASSN Tr	2	
0047.COMP	10	03:00	05:22:32.4	-11:29:14	300	88	3.0	0 Calibration	2	
0048.SN2018afm	1200	03:05	07:59:25.0	+16:25:35	300	88	3.0	#220 ASASSN Tr	2	
0049.SN2018afm	1200	03:26	07:59:25.0	+16:25:35	300	88	3.0	#220 ASASSN Tr	2	
0050.SN2018afm	1200	03:46	07:59:25.0	+16:25:35	300	88	3.0	#220 ASASSN Tr	2	
0051.COMP	10	04:06	07:59:25.0	+16:25:35	300	88	3.0	0 Calibration	2	
0052.SN2018zd	720	04:13	06:18:03.2	+78:22:01	300	88	3.0	#220 ASASSN Tr	2	
0053.SN2018zd	720	04:26	06:18:03.2	+78:22:01	300	89	3.0	#220 ASASSN Tr	2	
0054.SN2018zd	642	04:42	06:18:03.2	+78:22:01	300	89	3.0	#220 ASASSN Tr	2	
0055.COMP	10	04:53	06:18:03.2	+78:22:01	300	89	3.0	0 Calibration	2	

UT Date 2018-03-18 Observers P ChallisColl. Focus 1310 Grating/Grism 300

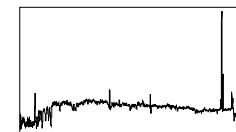
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0056.HD84937	60	05:27	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0057.HD84937	60	05:29	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0058.COMP	10	05:31	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0059.Feige34	300	05:33	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0060.COMP	10	05:39	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0061.BRUTUS8194_8	1200	06:05	12:15:09.2	+57:38:08	300	88	3.0	#220 ASASSN Tr	2	
0062.BRUTUS8194_8	1200	06:26	12:15:09.2	+57:38:08	300	88	3.0	#220 ASASSN Tr	2	
0063.BRUTUS8194_8	1200	06:47	12:15:09.2	+57:38:08	300	88	3.0	#220 ASASSN Tr	2	
0064.COMP	10	07:08	12:15:09.2	+57:38:08	300	89	3.0	0 Calibration	2	
0065.COMP	10	07:13	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	
0066.Feige34	180	07:15	10:39:36.7	+43:06:09	600	89	1.5	#56 Spectropho	4	
0067.COMP	10	07:18	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	
0068.bb902	300	07:20	11:52:43.1	+08:06:01	600	88	1.5	#178 Low Mass	4	
0069.COMP	10	07:25	11:52:43.1	+08:06:01	600	88	1.5	0 Calibration	4	
0070.bb897	720	07:26	11:49:14.4	-04:38:48	600	88	1.5	#178 Low Mass	4	
0071.COMP	10	07:39	11:49:14.4	-04:38:48	600	88	1.5	0 Calibration	4	
0072.bb898	420	07:41	11:50:06.1	-23:16:14	600	88	1.5	#178 Low Mass	4	
0073.COMP	10	07:48	11:50:06.1	-23:16:14	600	88	1.5	0 Calibration	4	
0074.bb899	120	07:49	11:51:00.0	-27:14:38	600	88	1.5	#178 Low Mass	4	
0075.COMP	10	07:52	11:51:00.0	-27:14:38	600	88	1.5	0 Calibration	4	

UT Date 2018-03-18 Observers P ChallisColl. Focus 1310 Grating/Grism 300

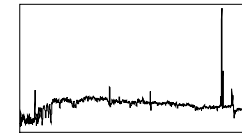
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.bb900	30	07:53	11:51:37.0	-25:54:39	600	88	1.5	#178 Low Mass	4	
0077.COMP	10	07:54	11:51:37.0	-25:54:39	600	88	1.5	0 Calibration	4	
0078.bb903	540	07:56	11:53:25.4	-20:42:18	600	88	1.5	#178 Low Mass	4	
0079.COMP	10	08:05	11:53:25.4	-20:42:18	600	88	1.5	0 Calibration	4	
0080.bb913	1800	08:08	12:00:11.7	-28:00:01	600	88	1.5	#178 Low Mass	4	
0081.COMP	10	08:38	12:00:11.7	-28:00:01	600	88	1.5	0 Calibration	4	
0082.bb931	1200	08:40	12:25:07.9	-19:45:06	600	88	1.5	#178 Low Mass	4	
0083.COMP	10	09:00	12:25:07.9	-19:45:06	600	89	1.5	0 Calibration	4	
0084.bb968	1800	09:02	13:14:38.1	-29:52:37	600	89	1.5	#178 Low Mass	4	
0085.COMP	10	09:47	13:14:38.1	-29:52:37	600	89	1.5	0 Calibration	4	
0086.bb1008	1800	09:55	13:55:34.3	-21:17:43	600	88	1.5	#178 Low Mass	4	
0087.COMP	10	10:26	13:55:34.3	-21:17:43	600	89	1.5	0 Calibration	4	
0088.bb1010	1500	10:28	13:56:38.3	-14:56:25	600	89	1.5	#178 Low Mass	4	
0089.COMP	10	10:54	13:56:38.3	-14:56:25	600	89	1.5	0 Calibration	4	
0090.bb1017	1500	10:56	14:01:25.3	-17:23:02	600	88	1.5	#178 Low Mass	4	
0091.COMP	10	11:21	14:01:25.3	-17:23:02	600	88	1.5	0 Calibration	4	guider meltdown, fullsystem reset
0092-0101.BIAS	0	11:25	14:43:29.2	-03:50:35	600	88	1.5	0 Calibration	4	
0102-0116.FLAT	15	11:30	14:43:29.2	-03:50:35	600	88	1.5	0 Calibration	4	
0117.test	10	11:39	14:43:29.2	-03:50:35	300	88	3.0	#178 Low Mass	2	

UT Date 2018-03-19 Observers P ChallisColl. Focus 1310 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	02:49	16:02:44.4	+31:30:43	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	02:55	16:02:44.4	+31:30:43	300	89	3.0	0 Calibration	2	
0026.Hiltner600	45	03:07	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0027.Hiltner600	45	03:08	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0028.COMP	10	03:09	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0029.G191B2B	45	03:12	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0030.COMP	10	03:15	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0031.G191B2B	180	03:16	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0032.COMP	10	03:20	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0033.sn2018yu	1200	03:33	05:22:32.4	-11:29:14	300	89	3.0	#2 SN Observat	2	
0034.COMP	10	03:54	05:22:32.4	-11:29:14	300	89	3.0	0 Calibration	2	
0035.BGGem	300	03:59	06:03:31.0	+27:41:50	300	89	3.0	#12 Symbiotic	2	
0036.COMP	10	04:05	06:03:31.0	+27:41:50	300	88	3.0	0 Calibration	2	
0037.BXMon	15	04:14	07:25:23.0	-03:35:51	300	87	3.0	#12 Symbiotic	2	
0038.COMP	10	04:15	07:25:23.0	-03:35:51	300	87	3.0	0 Calibration	2	
0039.BXMon	180	04:16	07:25:23.0	-03:35:51	300	87	3.0	#12 Symbiotic	2	
0040.COMP	10	04:20	07:25:23.0	-03:35:51	300	88	3.0	0 Calibration	2	
0041.SS129	300	04:22	07:32:45.0	-26:49:16	300	88	3.0	#12 Symbiotic	2	
0042.COMP	10	04:28	07:32:45.0	-26:49:16	300	88	3.0	0 Calibration	2	
0043.SS129	300	04:29	07:32:45.0	-26:49:16	300	88	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.COMP	10	04:35	07:32:45.0	-26:49:16	300	88	3.0	0 Calibration	2	
0045.sn2018afm	1800	04:39	07:59:25.0	+16:25:35	300	88	3.0	#2 SN Observat	2	
0046.COMP	10	05:10	07:59:25.0	+16:25:35	300	88	3.0	0 Calibration	2	
0047.snAT2018gv	1200	05:13	08:05:34.6	-11:26:16	300	88	3.0	#2 SN Observat	2	
0048.COMP	10	05:34	08:05:34.6	-11:26:16	300	88	3.0	0 Calibration	2	
0049.sn2018ph	1800	05:49	08:11:02.3	+05:05:14	300	88	3.0	#2 SN Observat	2	
0050.COMP	10	06:19	08:11:02.3	+05:05:14	300	88	3.0	0 Calibration	2	
0051.sn2018ahn	1800	06:34	08:24:09.4	+57:17:13	300	88	3.0	#2 SN Observat	2	
0052.COMP	10	07:05	08:24:09.4	+57:17:13	300	88	3.0	0 Calibration	2	
0053.snAT2018oh	1800	07:19	09:06:39.5	+19:20:18	300	88	3.0	#2 SN Observat	2	
0054.COMP	10	07:50	09:06:39.5	+19:20:18	300	86	3.0	0 Calibration	2	
0055.J095048	900	07:58	09:50:48.4	+39:26:50	300	85	3.0	#227 Changing-	2	
0056.COMP	10	08:14	09:50:48.4	+39:26:50	300	85	3.0	0 Calibration	2	
0057.J095048	900	08:15	09:50:48.4	+39:26:50	300	85	3.0	#227 Changing-	2	
0058.COMP	10	08:31	09:50:48.4	+39:26:50	300	86	3.0	0 Calibration	2	
0059.J095048	900	08:31	09:50:48.4	+39:26:50	300	86	3.0	#227 Changing-	2	
0060.COMP	10	08:47	09:50:48.4	+39:26:50	300	85	3.0	0 Calibration	2	
0061.RWHya	10	09:07	13:34:18.0	-25:22:51	300	85	3.0	#12 Symbiotic	2	
0062.COMP	10	09:07	13:34:18.0	-25:22:51	300	85	3.0	0 Calibration	2	
0063.RWHya	39	09:08	13:34:18.0	-25:22:51	300	85	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>
0064.COMP	10	09:09	13:34:18.0	-25:22:51	300	85	3.0	0 Calibration	2	
0065.TXCVn	10	09:15	12:44:42.0	+36:45:48	300	85	3.0	#12 Symbiotic	2	
0066.COMP	10	09:15	12:44:42.0	+36:45:48	300	85	3.0	0 Calibration	2	
0067.TXCVn	30	09:16	12:44:42.0	+36:45:48	300	85	3.0	#12 Symbiotic	2	
0068.COMP	10	09:17	12:44:42.0	+36:45:48	300	85	3.0	0 Calibration	2	
0069.sn2018agk	1800	09:28	13:10:36.4	-04:29:09	300	87	3.0	#2 SN Observat	2	
0070.COMP	10	09:58	13:10:36.4	-04:29:09	300	86	3.0	0 Calibration	2	
0071.sn2018agk	1800	10:00	13:10:36.4	-04:29:09	300	86	3.0	#2 SN Observat	2	
0072.COMP	10	10:31	13:10:36.4	-04:29:09	300	86	3.0	0 Calibration	2	
0073.sn2018agk	361	10:32	13:10:36.4	-04:29:09	300	86	3.0	#2 SN Observat	2	
0074.COMP	10	10:38	13:10:36.4	-04:29:09	300	86	3.0	0 Calibration	2	

UT Date 2018-03-20 Observers P ChallisColl. Focus 1310 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	02:03	16:41:41.4	+36:27:37	300	86	3.0	0 Calibration	2	
0011-0025.FLAT	7	02:09	16:41:41.4	+36:27:37	300	86	3.0	0 Calibration	2	
0026.GITau	240	02:21	04:33:34.0	+24:21:18	300	86	3.0	#12 Symbiotic	2	
0027.COMP	10	02:25	04:33:34.0	+24:21:18	300	86	3.0	0 Calibration	2	
0028.GITau	240	02:27	04:33:34.0	+24:21:18	300	86	3.0	#12 Symbiotic	2	
0029.COMP	10	02:32	04:33:34.0	+24:21:18	300	85	3.0	0 Calibration	2	
0030.BGGem	300	02:35	06:03:31.0	+27:41:50	300	85	3.0	#12 Symbiotic	2	
0031.COMP	10	02:40	06:03:31.0	+27:41:50	300	85	3.0	0 Calibration	2	
0032.BIAS	0	02:44	07:25:23.0	-03:35:51	300	85	3.0	0 Calibration	2	
0033.BIAS	180	02:44	07:25:23.0	-03:35:51	300	85	3.0	0 Calibration	2	
0034.COMP	10	02:48	07:25:23.0	-03:35:51	300	85	3.0	0 Calibration	2	
0035.BIAS	15	02:49	07:25:23.0	-03:35:51	300	85	3.0	0 Calibration	2	
0036.COMP	10	02:49	07:25:23.0	-03:35:51	300	85	3.0	0 Calibration	2	
0037.SS129	300	02:52	07:32:45.0	-26:49:16	300	85	3.0	#12 Symbiotic	2	
0038.COMP	10	02:57	07:32:45.0	-26:49:16	300	83	3.0	0 Calibration	2	
0039.SS129	300	02:58	07:32:45.0	-26:49:16	300	83	3.0	#12 Symbiotic	2	
0040.COMP	10	03:04	07:32:45.0	-26:49:16	300	84	3.0	0 Calibration	2	
0041.sn2018yu	900	03:07	05:22:32.4	-11:29:14	300	84	3.0	#2 SN Observat	2	
0042.COMP	10	03:23	05:22:32.4	-11:29:14	300	84	3.0	0 Calibration	2	
0043.ngc2022	300	03:27	05:42:06.2	+09:05:12	300	84	3.0	#2 SN Observat	2	

UT Date 2018-03-20 Observers P ChallisColl. Focus 1310 Grating/Grism 300

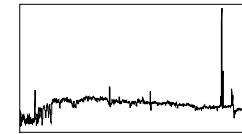
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.COMP	10	03:32	05:42:06.2	+09:05:12	300	86	3.0	0 Calibration	2	
0045.ngc2392	300	03:38	07:29:10.8	+20:54:43	300	86	3.0	#2 SN Observat	2	
0046.COMP	10	03:43	07:29:10.8	+20:54:43	300	86	3.0	0 Calibration	2	
0047.ngc2392	30	03:45	07:29:10.8	+20:54:43	300	86	3.0	#2 SN Observat	2	
0048.COMP	10	03:46	07:29:10.8	+20:54:43	300	85	3.0	0 Calibration	2	
0049.AT2018zr	1800	03:50	07:56:54.5	+34:15:44	300	85	3.0	#220 ASASSN Tr	2	
0050.COMP	10	04:20	07:56:54.5	+34:15:44	300	85	3.0	0 Calibration	2	
0051.snAT2018gv	900	04:29	08:05:34.6	-11:26:16	300	85	3.0	#2 SN Observat	2	
0052.COMP	10	04:45	08:05:34.6	-11:26:16	300	84	3.0	0 Calibration	2	
0053.sn2018ph	1800	04:52	08:11:02.3	+05:05:14	300	84	3.0	#2 SN Observat	2	
0054.COMP	10	05:23	08:11:02.3	+05:05:14	300	85	3.0	0 Calibration	2	
0055.snAT2018oh	1500	05:31	09:06:39.5	+19:20:18	300	85	3.0	#2 SN Observat	2	
0056.COMP	10	05:56	09:06:39.5	+19:20:18	300	86	3.0	0 Calibration	2	
0057.Feige34	180	05:59	10:39:36.7	+43:06:09	300	86	3.0	#56 Spectropho	2	
0058.COMP	10	06:03	10:39:36.7	+43:06:09	300	86	3.0	0 Calibration	2	
0059.J095048	900	06:09	09:50:48.4	+39:26:50	300	84	3.0	#227 Changing-	2	
0060.COMP	10	06:25	09:50:48.4	+39:26:50	300	86	3.0	0 Calibration	2	
0061.HD84937	30	06:28	09:48:56.1	+13:44:39	300	86	3.0	#56 Spectropho	2	
0062.COMP	10	06:28	09:48:56.1	+13:44:39	300	86	3.0	0 Calibration	2	
0063.ngc3242	30	06:32	10:24:46.1	-18:38:32	300	86	3.0	#56 Spectropho	2	

UT Date 2018-03-20 Observers P ChallisColl. Focus 1310 Grating/Grism 300

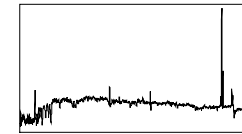
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.COMP	10	06:33	10:24:46.1	-18:38:32	300	86	3.0	0 Calibration	2	
0065.ngc3242	119	06:34	10:24:46.1	-18:38:32	300	86	3.0	#56 Spectropho	2	
0066.COMP	10	06:36	10:24:46.1	-18:38:32	300	86	3.0	0 Calibration	2	
0067.ngc3242	5	06:37	10:24:46.1	-18:38:32	300	86	3.0	#56 Spectropho	2	
0068.COMP	10	06:37	10:24:46.1	-18:38:32	300	86	3.0	0 Calibration	2	
0069.snAT2018aay	1800	06:44	10:32:34.8	-02:41:19	300	86	3.0	#2 SN Observat	2	
0070.COMP	10	07:14	10:32:34.8	-02:41:19	300	84	3.0	0 Calibration	2	
0071.J104335	900	07:18	10:43:35.9	+11:51:29	300	84	3.0	#227 Changing-	2	
0072.COMP	10	07:33	10:43:35.9	+11:51:29	300	84	3.0	0 Calibration	2	
0073.snSN2018pv	900	07:39	11:52:55.7	+36:59:12	300	84	3.0	#2 SN Observat	2	
0074.COMP	10	07:55	11:52:55.7	+36:59:12	300	84	3.0	0 Calibration	2	
0075.sn2018ajk	1800	08:02	11:31:13.4	+34:12:04	300	84	3.0	#2 SN Observat	2	
0076.COMP	10	08:32	11:31:13.4	+34:12:04	300	84	3.0	0 Calibration	2	
0077.m106	450	08:46	12:18:57.5	+47:18:14	300	85	3.0	#2 SN Observat	2	
0078.COMP	10	08:54	12:18:57.5	+47:18:14	300	85	3.0	0 Calibration	2	
0079.TXCVn	10	08:58	12:44:42.0	+36:45:48	300	85	3.0	#12 Symbiotic	2	
0080.COMP	10	08:59	12:44:42.0	+36:45:48	300	85	3.0	0 Calibration	2	
0081.TXCVn	30	08:59	12:44:42.0	+36:45:48	300	85	3.0	#12 Symbiotic	2	
0082.COMP	10	09:00	12:44:42.0	+36:45:48	300	85	3.0	0 Calibration	2	
0083.RWHya	2	09:03	13:34:18.0	-25:22:51	300	85	3.0	#12 Symbiotic	2	

UT Date 2018-03-20 Observers P ChallisColl. Focus 1310 Grating/Grism 300

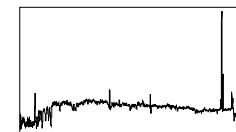
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.COMP	10	09:04	13:34:18.0	-25:22:51	300	85	3.0	0 Calibration	2	
0085.-	1	09:04	13:34:18.0	-25:22:51	300	85	3.0	#12 Symbiotic	2	
0086.RWHya	10	09:04	13:34:18.0	-25:22:51	300	85	3.0	#12 Symbiotic	2	
0087.COMP	10	09:05	13:34:18.0	-25:22:51	300	85	3.0	0 Calibration	2	
0088.RWHya	20	09:05	13:34:18.0	-25:22:51	300	85	3.0	#12 Symbiotic	2	
0089.COMP	10	09:06	13:34:18.0	-25:22:51	300	85	3.0	0 Calibration	2	
0090.J121509	900	09:10	12:15:09.2	+33:09:55	300	85	3.0	#227 Changing-	2	
0091.COMP	10	09:26	12:15:09.2	+33:09:55	300	81	3.0	0 Calibration	2	
0092.sn2018agk	1800	09:29	13:10:36.4	-04:29:09	300	83	3.0	#2 SN Observat	2	
0093.COMP	10	10:00	13:10:36.4	-04:29:09	300	81	3.0	0 Calibration	2	
0094.sn2018agk	1800	10:00	13:10:36.4	-04:29:09	300	81	3.0	#2 SN Observat	2	
0095.COMP	10	10:42	13:10:36.4	-04:29:09	300	81	3.0	0 Calibration	2	
0096.sn2018agk	1800	10:43	13:10:36.4	-04:29:09	300	83	3.0	#2 SN Observat	2	
0097.COMP	10	11:13	13:10:36.4	-04:29:09	300	83	3.0	0 Calibration	2	
0098.BRUTUS8194_10	1800	11:17	14:48:15.8	+26:17:07	300	83	3.0	#220 ASASSN Tr	2	
0099.COMP	10	11:47	14:48:15.8	+26:17:07	300	82	3.0	0 Calibration	2	
0100.TCrB	15	11:50	15:59:30.0	+25:55:12	300	82	3.0	#12 Symbiotic	2	
0101.COMP	10	11:51	15:59:30.0	+25:55:12	300	82	3.0	0 Calibration	2	
0102.TCrB	60	11:51	15:59:30.0	+25:55:12	300	82	3.0	#12 Symbiotic	2	
0103.COMP	10	11:53	15:59:30.0	+25:55:12	300	82	3.0	0 Calibration	2	

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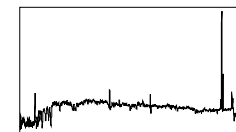
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0104.AGDra	60	11:55	16:01:41.0	+66:48:10	300	81	3.0	#12 Symbiotic	2	
0105.COMP	10	11:56	16:01:41.0	+66:48:10	300	81	3.0	0 Calibration	2	
0106.AGDra	15	11:57	16:01:41.0	+66:48:10	300	81	3.0	#12 Symbiotic	2	
0107.COMP	10	11:57	16:01:41.0	+66:48:10	300	81	3.0	0 Calibration	2	
0108.AGDra	2	11:58	16:01:41.0	+66:48:10	300	81	3.0	#12 Symbiotic	2	
0109.COMP	10	11:58	16:01:41.0	+66:48:10	300	81	3.0	0 Calibration	2	
0110.AS210	5	12:03	16:51:20.3	-26:00:33	300	81	3.0	#12 Symbiotic	2	
0111.COMP	10	12:04	16:51:20.3	-26:00:33	300	85	3.0	0 Calibration	2	
0112.AS210	300	12:05	16:51:20.3	-26:00:33	300	85	3.0	#12 Symbiotic	2	
0113.COMP	10	12:10	16:51:20.3	-26:00:33	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
0001-0010.BIAS	0	02:31	20:33:44.0	+31:30:48	300	85	3.0	0 Calibration	2	
0011-0025.FLAT	7	02:38	20:33:44.0	+31:30:48	300	85	3.0	0 Calibration	2	
0026.test	10	02:50	04:33:34.0	+24:21:18	300	85	3.0	#12 Symbiotic	2	
0027.GOTau	300	02:53	04:33:34.0	+24:21:18	300	85	3.0	#12 Symbiotic	2	
0028.COMP	10	02:59	04:33:34.0	+24:21:18	300	85	3.0	0 Calibration	2	
0029.GOTau	300	03:00	04:33:34.0	+24:21:18	300	85	3.0	#12 Symbiotic	2	
0030.COMP	10	03:06	04:33:34.0	+24:21:18	300	85	3.0	0 Calibration	2	
0031.GKTau	300	03:08	04:33:34.5	+24:21:07	300	85	3.0	#12 Symbiotic	2	
0032.COMP	10	03:13	04:33:34.5	+24:21:07	300	85	3.0	0 Calibration	2	
0033.GKTau	300	03:14	04:33:34.5	+24:21:07	300	85	3.0	#12 Symbiotic	2	
0034.COMP	10	03:20	04:33:34.5	+24:21:07	300	85	3.0	0 Calibration	2	
0035.GKTau	300	03:21	04:33:34.5	+24:21:07	300	85	3.0	#12 Symbiotic	2	
0036.COMP	10	03:26	04:33:34.5	+24:21:07	300	85	3.0	0 Calibration	2	
0037.sn2018yu	900	03:29	05:22:32.4	-11:29:14	300	85	3.0	#2 SN Observat	2	
0038.COMP	10	03:45	05:22:32.4	-11:29:14	300	85	3.0	0 Calibration	2	
0039.BGGem	300	03:48	06:03:31.0	+27:41:50	300	85	3.0	#12 Symbiotic	2	
0040.COMP	10	03:55	06:03:31.0	+27:41:50	300	84	3.0	0 Calibration	2	
0041.SS129	300	03:58	07:32:45.0	-26:49:16	300	84	3.0	#12 Symbiotic	2	
0042.COMP	10	04:04	07:32:45.0	-26:49:16	300	85	3.0	0 Calibration	2	
0043.BXMon	15	04:08	07:25:23.0	-03:35:51	300	85	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.COMP	10	04:09	07:25:23.0	-03:35:51	300	85	3.0	0 Calibration	2	
0045.BXMon	180	04:10	07:25:23.0	-03:35:51	300	85	3.0	#12 Symbiotic	2	
0046.COMP	10	04:14	07:25:23.0	-03:35:51	300	85	3.0	0 Calibration	2	
0047.snAT2018gv	1200	04:18	08:05:34.6	-11:26:16	300	85	3.0	#2 SN Observat	2	
0048.COMP	10	04:38	08:05:34.6	-11:26:16	300	86	3.0	0 Calibration	2	
0049.sn2018ph	1800	04:42	08:11:02.3	+05:05:14	300	86	3.0	#2 SN Observat	2	
0050.COMP	10	05:13	08:11:02.3	+05:05:14	300	85	3.0	0 Calibration	2	
0051.snAT2018oh	1800	05:16	09:06:39.5	+19:20:18	300	85	3.0	#2 SN Observat	2	
0052.COMP	10	05:48	09:06:39.5	+19:20:18	300	84	3.0	0 Calibration	2	
0053.snAT2018aay	1800	05:52	10:32:34.8	-02:41:19	300	84	3.0	#2 SN Observat	2	
0054.COMP	10	06:22	10:32:34.8	-02:41:19	300	85	3.0	0 Calibration	2	
0055.J095048	1200	06:27	09:50:48.4	+39:26:50	300	85	3.0	#227 Changing-	2	
0056.J095048	1200	06:47	09:50:48.4	+39:26:50	300	85	3.0	#227 Changing-	2	
0057.J095048	1200	07:08	09:50:48.4	+39:26:50	300	86	3.0	#227 Changing-	2	
0058.COMP	10	07:28	09:50:48.4	+39:26:50	300	86	3.0	0 Calibration	2	
0059.J104335	1200	07:33	10:43:35.9	+11:51:29	300	87	3.0	#227 Changing-	2	
0060.J104335	1200	07:53	10:43:35.9	+11:51:29	300	87	3.0	#227 Changing-	2	
0061.COMP	10	08:14	10:43:35.9	+11:51:29	300	86	3.0	0 Calibration	2	
0062.snSN2018pv	900	08:18	11:52:55.7	+36:59:12	300	86	3.0	#2 SN Observat	2	
0063.COMP	10	08:33	11:52:55.7	+36:59:12	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
0064.3c273	900	08:37	12:29:06.7	+02:03:09	300	87	3.0	#2 SN Observat	2	
0065.3c273	900	08:53	12:29:06.7	+02:03:09	300	86	3.0	#2 SN Observat	2	
0066.COMP	10	09:09	12:29:06.7	+02:03:09	300	86	3.0	0 Calibration	2	
0067.TXCVn	10	09:11	12:44:42.0	+36:45:48	300	86	3.0	#12 Symbiotic	2	
0068.TXCVn	30	09:11	12:44:42.0	+36:45:48	300	86	3.0	#12 Symbiotic	2	
0069.COMP	10	09:12	12:44:42.0	+36:45:48	300	86	3.0	0 Calibration	2	
0070.RWHya	20	09:16	13:34:18.0	-25:22:51	300	86	3.0	#12 Symbiotic	2	
0071.RWHya	10	09:17	13:34:18.0	-25:22:51	300	86	3.0	#12 Symbiotic	2	
0072.RWHya	2	09:17	13:34:18.0	-25:22:51	300	86	3.0	#12 Symbiotic	2	
0073.COMP	10	09:17	13:34:18.0	-25:22:51	300	86	3.0	0 Calibration	2	
0074.sn2018agk	1800	09:20	13:10:36.4	-04:29:09	300	86	3.0	#2 SN Observat	2	
0075.COMP	10	09:52	13:10:36.4	-04:29:09	300	86	3.0	0 Calibration	2	
0076.sn2018agk	1800	09:53	13:10:36.4	-04:29:09	300	87	3.0	#2 SN Observat	2	
0077.COMP	10	10:24	13:10:36.4	-04:29:09	300	84	3.0	0 Calibration	2	
0078.sn2018agk	1800	10:25	13:10:36.4	-04:29:09	300	84	3.0	#2 SN Observat	2	
0079.COMP	10	10:55	13:10:36.4	-04:29:09	300	85	3.0	0 Calibration	2	
0080.TCrB	15	10:58	15:59:30.0	+25:55:12	300	85	3.0	#12 Symbiotic	2	
0081.TCrB	60	10:58	15:59:30.0	+25:55:12	300	85	3.0	#12 Symbiotic	2	
0082.COMP	10	11:00	15:59:30.0	+25:55:12	300	85	3.0	0 Calibration	2	
0083.AGDra	2	11:03	16:01:41.0	+66:48:10	300	85	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>
0084.AGDra	15	11:03	16:01:41.0	+66:48:10	300	85	3.0	#12 Symbiotic	2	
0085.AGDra	60	11:04	16:01:41.0	+66:48:10	300	85	3.0	#12 Symbiotic	2	
0086.COMP	10	11:09	16:01:41.0	+66:48:10	300	85	3.0	0 Calibration	2	