

UT Date 2018-07-12 Observers M CalkinsColl. Focus 1310 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	02:40	15:09:29.2	+31:30:16	300	84	3.0	0 Calibration	4	
0011-0020.BIAS	0	06:35	15:09:29.2	+31:30:16	300	84	3.0	0 Calibration	4	
0021-0040.FLAT	7	06:56	15:09:29.2	+31:30:16	300	84	3.0	0 Calibration	2	
0041-0050.BIAS	0	07:00	15:09:29.2	+31:30:16	300	84	3.0	0 Calibration	2	
0051-0060.DARK	900	09:46	15:09:29.2	+31:30:16	300	84	3.0	0 Calibration	2	
0061.BDp284211	150	10:42	21:51:11.0	+28:51:50	300	84	3.0	#56 Spectropho	2	
0062.COMP	10	10:45	21:51:11.0	+28:51:50	300	83	3.0	0 Calibration	2	
0063.BDp174708	70	10:46	22:11:31.4	+18:05:34	300	83	3.0	#56 Spectropho	2	
0064.COMP	10	10:48	22:11:31.4	+18:05:34	300	83	3.0	0 Calibration	2	
0065.AS338	120	10:50	19:03:47.0	+16:26:17	300	83	3.0	#12 Symbiotic	2	
0066.COMP	10	10:53	19:03:47.0	+16:26:17	300	88	3.0	0 Calibration	2	

UT Date 2018-07-14 Observers M CalkinsColl. Focus 1310 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	05:39	19:03:47.0	+16:26:17	300	88	3.0	0 Calibration	4	
0011-0020.BIAS	0	05:59	19:03:47.0	+16:26:17	300	88	3.0	0 Calibration	4	
0021-0040.FLAT	7	08:42	19:03:47.0	+16:26:17	300	88	3.0	0 Calibration	2	
0041-0050.BIAS	0	08:44	19:03:47.0	+16:26:17	300	88	3.0	0 Calibration	2	
0051.BDp284211	120	09:15	21:51:11.0	+28:51:50	300	88	3.0	#56 Spectropho	2	
0052.COMP	10	09:18	21:51:11.0	+28:51:50	300	87	3.0	0 Calibration	2	
0053.BDp174708	70	09:20	22:11:31.4	+18:05:34	300	87	3.0	#56 Spectropho	2	
0054.COMP	10	09:22	22:11:31.4	+18:05:34	300	87	3.0	0 Calibration	2	
0055.V443Her	20	09:28	18:22:07.0	+23:27:20	300	87	3.0	#12 Symbiotic	2	
0056.V443Her	90	09:29	18:22:07.0	+23:27:20	300	87	3.0	#12 Symbiotic	2	
0057.COMP	10	09:31	18:22:07.0	+23:27:20	300	87	3.0	0 Calibration	2	
0058.YYHer	15	09:35	18:14:34.0	+20:59:19	300	87	3.0	#12 Symbiotic	2	
0059.YYHer	90	09:35	18:14:34.0	+20:59:19	300	87	3.0	#12 Symbiotic	2	
0060.COMP	10	09:37	18:14:34.0	+20:59:19	300	87	3.0	0 Calibration	2	
0061.AS338	120	09:39	19:03:47.0	+16:26:17	300	87	3.0	#12 Symbiotic	2	
0062.AS338	720	09:41	19:03:47.0	+16:26:17	300	87	3.0	#12 Symbiotic	2	
0063.COMP	10	09:54	19:03:47.0	+16:26:17	300	87	3.0	0 Calibration	2	
0064.BFCyg	20	10:00	19:23:53.0	+29:40:27	300	87	3.0	#12 Symbiotic	2	
0065.BFCyg	20	10:01	19:23:53.0	+29:40:27	300	87	3.0	#12 Symbiotic	2	
0066.COMP	10	10:02	19:23:53.0	+29:40:27	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
0067.CHCyg	1	10:03	19:24:33.0	+50:14:30	300	87	3.0	#12 Symbiotic	2	
0068.CHCyg	5	10:03	19:24:33.0	+50:14:30	300	87	3.0	#12 Symbiotic	2	
0069.CHCyg	35	10:04	19:24:33.0	+50:14:30	300	87	3.0	#12 Symbiotic	2	
0070.COMP	10	10:05	19:24:33.0	+50:14:30	300	87	3.0	0 Calibration	2	
0071.HMSge	1	10:06	19:41:57.0	+16:44:41	300	87	3.0	#12 Symbiotic	2	
0072.HMSge	10	10:07	19:41:57.0	+16:44:41	300	87	3.0	#12 Symbiotic	2	
0073.HMSge	60	10:08	19:41:57.0	+16:44:41	300	87	3.0	#12 Symbiotic	2	
0074.COMP	10	10:09	19:41:57.0	+16:44:41	300	88	3.0	0 Calibration	2	
0075.AS360	60	10:12	19:45:49.0	+18:36:49	300	88	3.0	#12 Symbiotic	2	
0076.AS360	300	10:14	19:45:49.0	+18:36:49	300	87	3.0	#12 Symbiotic	2	
0077.COMP	10	10:20	19:45:49.0	+18:36:49	300	87	3.0	0 Calibration	2	
0078.CICyg	4	10:24	19:50:12.0	+35:41:02	300	87	3.0	#12 Symbiotic	2	
0079.CICyg	15	10:25	19:50:12.0	+35:41:02	300	87	3.0	#12 Symbiotic	2	
0080.COMP	10	10:25	19:50:12.0	+35:41:02	300	87	3.0	0 Calibration	2	
0081.V1016Cyg	1	10:27	19:57:05.0	+39:49:37	300	87	3.0	#12 Symbiotic	2	
0082.V1016Cyg	10	10:27	19:57:05.0	+39:49:37	300	87	3.0	#12 Symbiotic	2	
0083.V1016Cyg	60	10:27	19:57:05.0	+39:49:37	300	87	3.0	#12 Symbiotic	2	
0084.COMP	10	10:29	19:57:05.0	+39:49:37	300	88	3.0	0 Calibration	2	
0085-0094.BIAS	0	11:21	19:57:05.0	+39:49:37	300	88	3.0	0 Calibration	2	
0095-0114.FLAT	7	12:00	19:57:05.0	+39:49:37	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>
0115-0124.BIAS	0	12:02	19:57:05.0	+39:49:37	300	88	3.0	0 Calibration	2	
0125-0134.DARK	900	14:20	19:57:05.0	+39:49:37	300	88	3.0	0 Calibration	2	

UT Date 2018-07-15 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	01:48	19:57:05.0	+39:49:37	300	88	3.0	0 Calibration	4	
0011-0020.BIAS	0	02:20	19:57:05.0	+39:49:37	300	88	3.0	0 Calibration	4	
0021-0040.FLAT	7	04:16	19:57:05.0	+39:49:37	300	88	3.0	0 Calibration	2	
0041-0050.BIAS	0	04:18	19:57:05.0	+39:49:37	300	88	3.0	0 Calibration	2	
0051.BDp262606	90	07:28	14:49:02.4	+25:42:09	300	88	3.0	#56 Spectropho	2	
0052.COMP	10	07:31	14:49:02.4	+25:42:09	300	88	3.0	0 Calibration	2	
0053.BDp332642	150	07:34	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0054.COMP	10	07:37	15:51:59.9	+32:56:54	300	87	3.0	0 Calibration	2	
0055-0064.DARK	900	14:01	16:16:00.2	+22:16:05	300	89	3.0	0 Calibration	2	

UT Date 2018-07-16 Observers M CalkinsColl. Focus 1310 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	02:30	16:16:00.2	+22:16:05	300	89	3.0	0 Calibration	4	
0011-0020.BIAS	0	03:35	16:16:00.2	+22:16:05	300	89	3.0	0 Calibration	4	
0021-0040.FLAT	7	05:54	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0041-0050.BIAS	0	05:56	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0051.BDp262606	70	05:59	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	06:01	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0053.BDp332642	150	06:02	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0054.COMP	10	06:05	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0055.AT2018cow	1800	06:10	16:16:00.2	+22:16:05	300	110	3.0	#225	2	
0056.COMP	10	06:41	16:16:00.2	+22:16:05	300	111	3.0	0 Calibration	2	
0057.AT2018cow	1800	07:05	16:16:00.2	+22:16:05	300	111	3.0	#225	2	
0058.AT2018cow	1800	07:36	16:16:00.2	+22:16:05	300	111	3.0	#225	2	
0059.COMP	10	08:10	16:16:00.2	+22:16:05	300	110	3.0	0 Calibration	2	
0060.ZTF18aajrwju	1800	08:14	17:45:57.8	+44:26:16	300	90	3.0	#225	2	
0061.ZTF18aajrwju	1800	08:44	17:45:57.8	+44:26:16	300	90	3.0	#225	2	
0062.COMP	10	09:15	17:45:57.8	+44:26:16	300	90	3.0	0 Calibration	2	
0063-0072.BIAS	0	11:12	17:45:57.8	+44:26:16	300	90	3.0	0 Calibration	2	
0073-0092.FLAT	7	11:18	17:45:57.8	+44:26:16	300	90	3.0	0 Calibration	2	
0093-0102.BIAS	0	11:20	17:45:57.8	+44:26:16	300	90	3.0	0 Calibration	2	
0103-0112.DARK	900	13:57	17:45:57.8	+44:26:16	300	90	3.0	0 Calibration	2	