

UT Date 2017-11-15 Observers M CalkinsColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:54	22:05:55.3	+31:30:21	300	87	3.0	0 Calibration	4	
0011-0030.FLAT	7	01:59	22:05:55.3	+31:30:21	300	87	3.0	0 Calibration	2	
0031-0040.BIAS	0	02:00	22:05:55.3	+31:30:21	300	87	3.0	0 Calibration	2	
0041.AS338	90	02:08	19:03:47.0	+16:26:17	300	87	3.0	#12 Symbiotic	2	
0042.AS338	600	02:10	19:03:47.0	+16:26:17	300	87	3.0	#12 Symbiotic	2	
0043.COMP	10	02:21	19:03:47.0	+16:26:17	300	87	3.0	0 Calibration	2	
0044.V919Sgr	15	02:24	19:03:45.0	-16:59:56	300	87	3.0	#12 Symbiotic	2	
0045.V919Sgr	30	02:25	19:03:45.0	-16:59:56	300	87	3.0	#12 Symbiotic	2	
0046.COMP	10	02:25	19:03:45.0	-16:59:56	300	87	3.0	0 Calibration	2	
0047.CHCyg	1	02:31	19:24:33.0	+50:14:30	300	87	3.0	#12 Symbiotic	2	
0048.CHCyg	5	02:31	19:24:33.0	+50:14:30	300	87	3.0	#12 Symbiotic	2	
0049.CHCyg	30	02:32	19:24:33.0	+50:14:30	300	87	3.0	#12 Symbiotic	2	
0050.COMP	10	02:33	19:24:33.0	+50:14:30	300	87	3.0	0 Calibration	2	
0051.HMSge	1	02:35	19:41:57.0	+16:44:41	300	87	3.0	#12 Symbiotic	2	
0052.HMSge	10	02:36	19:41:57.0	+16:44:41	300	87	3.0	#12 Symbiotic	2	
0053.HMSge	60	02:37	19:41:57.0	+16:44:41	300	87	3.0	#12 Symbiotic	2	
0054.COMP	10	02:38	19:41:57.0	+16:44:41	300	87	3.0	0 Calibration	2	
0055.BFCyg	15	02:42	19:23:53.0	+29:40:27	300	87	3.0	#12 Symbiotic	2	
0056.BFCyg	15	02:42	19:23:53.0	+29:40:27	300	87	3.0	#12 Symbiotic	2	
0057.COMP	10	02:43	19:23:53.0	+29:40:27	300	86	3.0	0 Calibration	2	

UT Date 2017-11-15 Observers M CalkinsColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.AS360	60	02:46	19:45:49.0	+18:36:49	300	86	3.0	#12 Symbiotic	2	
0059.AS360	300	02:47	19:45:49.0	+18:36:49	300	86	3.0	#12 Symbiotic	2	
0060.COMP	10	02:56	19:45:49.0	+18:36:49	300	87	3.0	0 Calibration	2	
0061.CICyg	4	02:59	19:50:12.0	+35:41:02	300	87	3.0	#12 Symbiotic	2	
0062.CICyg	15	03:00	19:50:12.0	+35:41:02	300	87	3.0	#12 Symbiotic	2	
0063.COMP	10	03:03	19:50:12.0	+35:41:02	300	90	3.0	0 Calibration	2	
0064.V1016Cyg	1	03:05	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0065.V1016Cyg	10	03:05	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0066.V1016Cyg	60	03:05	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0067.COMP	10	03:07	19:57:05.0	+39:49:37	300	90	3.0	0 Calibration	2	
0068.PUVu1	1	03:09	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0069.PUVu1	10	03:09	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0070.PUVu1	60	03:09	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0071.COMP	10	03:11	20:21:13.0	+21:34:21	300	90	3.0	0 Calibration	2	
0072.sn2017hxx	1800	03:13	21:32:45.7	+24:08:26	300	98	3.0	#2 SN Observat	2	
0073.COMP	10	03:43	21:32:45.7	+24:08:26	300	98	3.0	0 Calibration	2	
0074.V1515Cyg	600	03:45	20:23:48.0	+42:12:24	300	91	3.0	#12 Symbiotic	2	
0075.COMP	10	03:56	20:23:48.0	+42:12:24	300	91	3.0	0 Calibration	2	
0076.V1329Cyg	20	03:57	20:51:01.0	+35:34:55	300	91	3.0	#12 Symbiotic	2	
0077.V1329Cyg	120	03:58	20:51:01.0	+35:34:55	300	91	3.0	#12 Symbiotic	2	

UT Date 2017-11-15 Observers M CalkinsColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.COMP	10	04:00	20:51:01.0	+35:34:55	300	91	3.0	0 Calibration	2	
0079.V1057Cyg	360	04:01	20:58:54.0	+44:15:30	300	91	3.0	#12 Symbiotic	2	
0080.COMP	10	04:08	20:58:54.0	+44:15:30	300	90	3.0	0 Calibration	2	
0081.AGPeg	1	04:09	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	
0082.AGPeg	10	04:10	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	
0083.AGPeg	30	04:10	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	
0084.COMP	10	04:12	21:51:02.0	+12:37:33	300	90	3.0	0 Calibration	2	
0085.BDp284211	120	04:14	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0086.COMP	10	04:17	21:51:11.0	+28:51:50	300	91	3.0	0 Calibration	2	
0087.BDp174708	30	04:18	22:11:31.4	+18:05:34	300	91	3.0	#56 Spectropho	2	
0088.COMP	10	04:20	22:11:31.4	+18:05:34	300	91	3.0	0 Calibration	2	
0089.ZAnd	1	04:23	23:33:40.0	+48:49:06	300	91	3.0	#12 Symbiotic	2	
0090.ZAnd	5	04:23	23:33:40.0	+48:49:06	300	91	3.0	#12 Symbiotic	2	
0091.ZAnd	30	04:24	23:33:40.0	+48:49:06	300	91	3.0	#12 Symbiotic	2	
0092.COMP	10	04:24	23:33:40.0	+48:49:06	300	91	3.0	0 Calibration	2	
0093.RAqr	1	04:27	23:43:49.0	-15:17:05	300	91	3.0	#12 Symbiotic	2	
0094.RAqr	5	04:28	23:43:49.0	-15:17:05	300	91	3.0	#12 Symbiotic	2	
0095.RAqr	10	04:29	23:43:49.0	-15:17:05	300	91	3.0	#12 Symbiotic	2	
0096.COMP	10	04:30	23:43:49.0	-15:17:05	300	91	3.0	0 Calibration	2	
0097.M31	60	04:33	00:42:44.3	+41:16:09	300	91	3.0	#57 Velocity S	2	

UT Date 2017-11-15 Observers M CalkinsColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0098.COMP	10	04:34	00:42:44.3	+41:16:09	300	91	3.0	0 Calibration	2	
0099.snAT2017hxc	1800	04:37	22:06:51.9	-05:57:05	300	91	3.0	#2 SN Observat	2	
0100.COMP	10	05:07	22:06:51.9	-05:57:05	300	90	3.0	0 Calibration	2	
0101.snAT2017htb	1800	05:11	22:09:38.7	+17:39:40	300	109	3.0	#2 SN Observat	2	
0102.COMP	10	05:42	22:09:38.7	+17:39:40	300	110	3.0	0 Calibration	2	
0103.snAT2017hpj	2400	05:48	23:54:20.6	-17:18:21	300	20	3.0	#2 SN Observat	2	
0104.COMP	10	06:28	23:54:20.6	-17:18:21	300	20	3.0	0 Calibration	2	
0105.snASASSN17ow	1500	07:13	02:05:18.3	+53:12:13	300	90	3.0	#220 ASASSN Tr	2	
0106.COMP	10	07:38	02:05:18.3	+53:12:13	300	89	3.0	0 Calibration	2	
0107.sn2017hou	2100	07:44	04:09:02.1	-01:09:36	300	51	3.0	#2 SN Observat	2	
0108.COMP	10	08:19	04:09:02.1	-01:09:36	300	51	3.0	0 Calibration	2	
0109.sn2017hpa	1500	08:22	04:39:50.8	+07:03:55	300	89	3.0	#2 SN Observat	2	
0110.COMP	10	08:48	04:39:50.8	+07:03:55	300	90	3.0	0 Calibration	2	
0111.snAT2017hyx	1800	09:09	04:47:09.2	-16:20:42	300	89	3.0	#2 SN Observat	2	
0112.COMP	10	09:40	04:47:09.2	-16:20:42	300	91	3.0	0 Calibration	2	
0113.EGAnd	1	09:43	00:44:37.0	+40:40:47	300	91	3.0	#12 Symbiotic	2	
0114.EGAnd	5	09:43	00:44:37.0	+40:40:47	300	91	3.0	#12 Symbiotic	2	
0115.EGAnd	10	09:44	00:44:37.0	+40:40:47	300	91	3.0	#12 Symbiotic	2	
0116.COMP	10	09:44	00:44:37.0	+40:40:47	300	91	3.0	0 Calibration	2	
0117.AXPer	4	09:46	01:36:23.0	+54:15:03	300	91	3.0	#12 Symbiotic	2	

UT Date 2017-11-15 Observers M CalkinsColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0118.AXPer	30	09:46	01:36:23.0	+54:15:03	300	91	3.0	#12 Symbiotic	2	
0119.AXPer	90	09:47	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	clouds
0120.AXPer	180	09:49	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0121.AXPer	120	09:52	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0122.COMP	10	09:55	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0123.GITau	300	09:57	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0124.COMP	10	10:02	04:33:34.0	+24:21:18	300	89	3.0	0 Calibration	2	
0125.GKTau	300	10:03	04:33:34.5	+24:21:07	300	89	3.0	#12 Symbiotic	2	
0126.COMP	10	10:10	04:33:34.5	+24:21:07	300	89	3.0	0 Calibration	2	
0127.BGGem	480	10:12	06:03:31.0	+27:41:50	300	89	3.0	#12 Symbiotic	2	
0128.COMP	10	10:21	06:03:31.0	+27:41:50	300	89	3.0	0 Calibration	2	
0129.snASASSN17oz	900	10:23	06:07:55.0	+45:12:17	300	89	3.0	#220 ASASSN Tr	2	
0130.COMP	10	10:39	06:07:55.0	+45:12:17	300	88	3.0	0 Calibration	2	
0131.PS17exk	2100	10:43	05:59:59.0	+52:06:55	300	88	3.0	#225	2	
0132.COMP	10	11:18	05:59:59.0	+52:06:55	300	88	3.0	0 Calibration	2	
0133.AT2017hxa	2400	11:21	07:25:50.6	-00:54:57	300	90	3.0	#225	2	
0134.COMP	10	12:02	07:25:50.6	-00:54:57	300	89	3.0	0 Calibration	2	
0135.SS129	420	12:07	07:32:45.0	-26:49:16	300	66	3.0	#12 Symbiotic	2	
0136.SS129	420	12:14	07:32:45.0	-26:49:16	300	66	3.0	#12 Symbiotic	2	
0137.COMP	10	12:21	07:32:45.0	-26:49:16	300	66	3.0	0 Calibration	2	

UT Date 2017-11-15 Observers M CalkinsColl. Focus 1290 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>
0138.BXMon	15	12:23	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0139.BXMon	240	12:24	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0140.COMP	10	12:28	07:25:23.0	-03:35:51	300	89	3.0	0 Calibration	2	
0141-0150.BIAS	0	13:02	09:39:12.3	-01:20:23	300	89	3.0	0 Calibration	2	
0151-0170.FLAT	7	13:08	09:39:12.3	-01:20:23	300	89	3.0	0 Calibration	2	
0171-0180.DARK	900	15:25	09:39:12.3	-01:20:23	300	89	3.0	0 Calibration	2	