

UT Date 2017-06-17 Observers M CalkinsColl. Focus 1280 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	19:37	05:51:45.7	+31:30:31	600	87	1.5	0 Calibration	2	
0001.DARK	900	02:29	12:45:41.8	+31:36:03	600	87	1.5	0 Calibration	4	
0002.COMP	10	19:38	05:51:45.7	+31:30:31	600	87	1.5	0 Calibration	2	
0002.DARK	900	02:44	12:45:41.8	+31:36:03	600	87	1.5	0 Calibration	4	
0003.COMP	10	19:41	05:51:45.7	+31:30:31	600	87	1.5	0 Calibration	2	
0003.DARK	900	02:59	12:45:41.8	+31:36:03	600	87	1.5	0 Calibration	4	
0004-0009.BIAS	0	03:25	12:45:41.8	+31:36:03	600	87	1.5	0 Calibration	4	
0010-0013.BIAS	0	03:25	12:45:41.8	+31:36:03	300	87	3.0	0 Calibration	4	
0014-0033.FLAT	7	03:32	12:45:41.8	+31:36:03	300	87	3.0	0 Calibration	2	
0034-0043.BIAS	0	03:34	12:45:41.8	+31:36:03	300	87	3.0	0 Calibration	2	
0044.HD84937	35	03:40	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0045.COMP	10	03:43	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0046.HD84937	15	03:44	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0047.COMP	10	03:45	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0048.Feige34	150	03:47	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0049.COMP	10	03:50	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0050.N3379	240	03:54	10:47:49.6	+12:34:54	300	88	3.0	#57 Velocity S	2	
0051.COMP	10	03:58	10:47:49.6	+12:34:54	300	88	3.0	0 Calibration	2	
0052.SN2017egm	900	04:11	10:19:05.6	+46:27:14	300	19	3.0	#220 ASASSN Tr	2	Also for Program 225
0053.SN2017egm	900	04:27	10:19:05.6	+46:27:14	300	19	3.0	#220 ASASSN Tr	2	Also for Program 225

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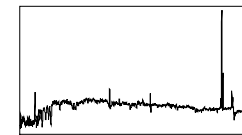
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0054.SN2017egm	900	04:42	10:19:05.6	+46:27:14	300	19	3.0	#220 ASASSN Tr	2	Also for Program 225
0055.COMP	10	04:57	10:19:05.6	+46:27:14	300	18	3.0	0 Calibration	2	
0056.sn2017dhp	2400	05:01	11:54:14.4	+11:45:41	300	60	3.0	#2 SN Observat	2	
0057.COMP	10	05:42	11:54:14.4	+11:45:41	300	60	3.0	0 Calibration	2	
0058.sn2017erp	1800	05:50	15:09:14.8	-11:20:03	300	89	3.0	#2 SN Observat	2	
0059.COMP	10	06:20	15:09:14.8	-11:20:03	300	90	3.0	0 Calibration	2	
0060.PS17dbf	1800	06:25	14:34:42.9	+31:29:17	300	90	3.0	#225	2	
0061.PS17dbf	1800	06:55	14:34:42.9	+31:29:17	300	90	3.0	#225	2	
0062.PS17dbf	1800	07:25	14:34:42.9	+31:29:17	300	90	3.0	#225	2	
0063.COMP	10	07:56	14:34:42.9	+31:29:17	300	89	3.0	0 Calibration	2	
0064.snGaia17bci	2700	07:59	15:27:58.9	+42:50:49	300	89	3.0	#2 SN Observat	2	
0065.COMP	10	08:44	15:27:58.9	+42:50:49	300	89	3.0	0 Calibration	2	
0066.j1629m00	1300	08:52	16:29:25.1	-00:20:20	600	89	1.5	#178 Low Mass	4	
0067.COMP	10	09:14	16:29:25.1	-00:20:20	600	89	1.5	0 Calibration	4	
0068.j1629m02	954	09:16	16:29:25.2	-02:19:14	600	89	1.5	#178 Low Mass	4	
0069.COMP	10	09:35	16:29:25.2	-02:19:14	600	89	1.5	0 Calibration	4	
0070.j1635p50	1078	09:38	16:35:05.4	+50:53:59	600	89	1.5	#178 Low Mass	4	
0071.COMP	10	09:56	16:35:05.4	+50:53:59	600	89	1.5	0 Calibration	4	
0072.j1737m01	1500	09:59	17:37:19.7	-01:04:36	600	89	1.5	#178 Low Mass	4	
0073.COMP	10	10:25	17:37:19.7	-01:04:36	600	89	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0074.j1737p53	1600	10:27	17:37:21.3	+53:22:30	600	89	1.5	#178 Low Mass	4	
0075.COMP	10	10:54	17:37:21.3	+53:22:30	600	89	1.5	0 Calibration	4	
0076.j1800p54	418	10:58	18:00:05.5	+54:14:55	600	90	1.5	#178 Low Mass	4	
0077.COMP	10	11:05	18:00:05.5	+54:14:55	600	89	1.5	0 Calibration	4	
0078.BDp284211	240	11:07	21:51:11.0	+28:51:50	600	89	1.5	#56 Spectropho	4	
0079.COMP	10	11:12	21:51:11.0	+28:51:50	600	89	1.5	0 Calibration	4	
0080-0089.FLAT	12	11:19	21:51:11.0	+28:51:50	600	89	1.5	0 Calibration	4	
0090-0099.BIAS	0	11:21	21:51:11.0	+28:51:50	600	89	1.5	0 Calibration	4	
0100-0104.DARK	900	12:23	21:51:11.0	+28:51:50	600	89	1.5	0 Calibration	4	
0105-0109.DARK	900	13:39	21:51:11.0	+28:51:50	600	89	1.5	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	02:49	10:45:00.5	+31:35:56	600	89	1.5	0 Calibration	4	
0011-0020.BIAS	0	03:11	10:45:00.5	+31:35:56	600	89	1.5	0 Calibration	4	
0021-0040.FLAT	12	03:17	10:45:00.5	+31:35:56	600	89	1.5	0 Calibration	4	
0041-0050.BIAS	0	03:20	10:45:00.5	+31:35:56	600	89	1.5	0 Calibration	2	
0051.Feige34	180	03:38	10:39:36.7	+43:06:09	600	89	1.5	#56 Spectropho	4	
0052.COMP	10	03:42	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	
0053.j1142	600	03:45	11:42:24.6	+37:47:04	600	89	1.5	#178 Low Mass	4	
0054.COMP	10	03:55	11:42:24.6	+37:47:04	600	90	1.5	0 Calibration	4	
0055.j1142	600	03:56	11:42:24.6	+37:47:04	600	89	1.5	#178 Low Mass	4	
0056.COMP	10	04:07	11:42:24.6	+37:47:04	600	89	1.5	0 Calibration	4	
0057.j1142	600	04:07	11:42:24.6	+37:47:04	600	89	1.5	#178 Low Mass	4	
0058.COMP	10	04:18	11:42:24.6	+37:47:04	600	89	1.5	0 Calibration	4	
0059.j1142	600	04:19	11:42:24.6	+37:47:04	600	89	1.5	#178 Low Mass	4	
0060.COMP	10	04:30	11:42:24.6	+37:47:04	600	89	1.5	0 Calibration	4	
0061.j1142	600	04:31	11:42:24.6	+37:47:04	600	89	1.5	#178 Low Mass	4	
0062.COMP	10	04:41	11:42:24.6	+37:47:04	600	89	1.5	0 Calibration	4	
0063.j1142	600	04:42	11:42:24.6	+37:47:04	600	89	1.5	#178 Low Mass	4	
0064.COMP	10	04:52	11:42:24.6	+37:47:04	600	89	1.5	0 Calibration	4	
0065.j1142	600	04:54	11:42:24.6	+37:47:04	600	89	1.5	#178 Low Mass	4	seeing getting soft
0066.COMP	10	05:04	11:42:24.6	+37:47:04	600	89	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.j1142	600	05:06	11:42:24.6	+37:47:04	600	89	1.5	#178 Low Mass	4	
0068.COMP	10	05:16	11:42:24.6	+37:47:04	600	89	1.5	0 Calibration	4	
0069.j1142	600	05:17	11:42:24.6	+37:47:04	600	89	1.5	#178 Low Mass	4	
0070.COMP	10	05:29	11:42:24.6	+37:47:04	600	90	1.5	0 Calibration	4	
0071.j1142	600	05:30	11:42:24.6	+37:47:04	600	89	1.5	#178 Low Mass	4	
0072.COMP	10	05:41	11:42:24.6	+37:47:04	600	89	1.5	0 Calibration	4	
0073.j1142	600	05:41	11:42:24.6	+37:47:04	600	89	1.5	#178 Low Mass	4	seeing getting worse
0074.COMP	10	05:52	11:42:24.6	+37:47:04	600	89	1.5	0 Calibration	4	
0075.j1142	600	05:52	11:42:24.6	+37:47:04	600	89	1.5	#178 Low Mass	4	
0076.COMP	10	06:03	11:42:24.6	+37:47:04	600	89	1.5	0 Calibration	4	
0077.COMP	5	06:06	11:42:24.6	+37:47:04	300	89	3.0	0 Calibration	4	readout issue...
0078.COMP	10	06:14	16:35:13.5	+31:32:29	300	89	3.0	0 Calibration	2	
0079.COMP	10	06:15	16:35:13.5	+31:32:29	300	89	3.0	0 Calibration	2	
0080.COMP	10	06:18	16:35:13.5	+31:32:29	300	89	3.0	0 Calibration	2	
0081.BDp262606	40	06:21	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0082.COMP	10	06:22	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0083.BDp332642	120	06:24	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	seeing a bit better
0084.COMP	10	06:27	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0085.sn2017erp	1800	06:29	15:09:14.8	-11:20:03	300	89	3.0	#2 SN Observat	2	
0086.COMP	10	07:00	15:09:14.8	-11:20:03	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
0087.snJ132501p431846	1800	07:04	13:25:01.0	+43:18:45	300	89	3.0	#2 SN Observat	2	much fainter than 14!
0088.COMP	10	07:35	13:25:01.0	+43:18:45	300	89	3.0	0 Calibration	2	
0089.PS17dji	1800	07:39	16:00:00.7	+62:51:12	300	89	3.0	#225	2	
0090.COMP	10	08:10	16:00:00.7	+62:51:12	300	89	3.0	0 Calibration	2	
0091.snASASSN17fd	1800	08:15	15:39:05.0	+05:34:17	300	89	3.0	#220 ASASSN Tr	2	no sign of sn in spectra
0092.COMP	10	08:46	15:39:05.0	+05:34:17	300	89	3.0	0 Calibration	2	
0093.sn2017drh	2400	08:49	17:32:26.1	+07:03:48	300	89	3.0	#2 SN Observat	2	
0094.COMP	10	09:30	17:32:26.1	+07:03:48	300	89	3.0	0 Calibration	2	
0095.Gaia17bnv	1800	09:34	17:56:19.3	+30:14:06	300	100	3.0	#225	2	
0096.COMP	10	10:04	17:56:19.3	+30:14:06	300	100	3.0	0 Calibration	2	
0097.sn2017eaw	900	10:12	20:34:44.2	+60:11:36	300	90	3.0	#2 SN Observat	2	
0098.COMP	10	10:28	20:34:44.2	+60:11:36	300	88	3.0	0 Calibration	2	
0099.sn2017ekr	1800	10:32	23:02:32.2	+32:35:13	300	88	3.0	#2 SN Observat	2	
0100.COMP	10	11:02	23:02:32.2	+32:35:13	300	89	3.0	0 Calibration	2	
0101.BDp284211	150	11:04	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0102.COMP	10	11:07	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0103.BDp174708	30	11:08	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0104.COMP	10	11:09	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0105.N7331	210	11:10	22:37:04.1	+34:24:56	300	89	3.0	#57 Velocity S	2	
0106.COMP	10	11:14	22:37:04.1	+34:24:56	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.ZAnd	1	11:17	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0108.ZAnd	5	11:17	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0109.ZAnd	30	11:17	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0110.COMP	10	11:18	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0111.AGPeg	1	11:21	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0112.AGPeg	10	11:21	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0113.AGPeg	30	11:21	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0114.COMP	10	11:22	21:51:02.0	+12:37:33	300	89	3.0	0 Calibration	2	
0115.V1057Cyg	7	11:24	20:58:54.0	+44:15:30	300	89	3.0	#12 Symbiotic	2	
0116.V1057Cyg	90	11:24	20:58:54.0	+44:15:30	300	89	3.0	#12 Symbiotic	2	
0117.COMP	10	11:26	20:58:54.0	+44:15:30	300	89	3.0	0 Calibration	2	
0118-0127.BIAS	0	11:31	20:58:54.0	+44:15:30	300	89	3.0	0 Calibration	4	
0128-0147.FLAT	7	11:37	20:58:54.0	+44:15:30	300	89	3.0	0 Calibration	2	
0148-0157.BIAS	0	11:40	20:58:54.0	+44:15:30	300	89	3.0	0 Calibration	2	
0158-0167.DARK	900	13:57	20:58:54.0	+44:15:30	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
0001-0005.DARK	900	02:44	12:05:52.1	+31:36:10	300	88	3.0	0 Calibration	4	
0006-0015.BIAS	0	03:03	12:05:52.1	+31:36:10	300	88	3.0	0 Calibration	4	
0016-0035.FLAT	7	03:12	12:05:52.1	+31:36:10	300	88	3.0	0 Calibration	2	
0036-0045.BIAS	0	03:18	12:05:52.1	+31:36:10	300	88	3.0	0 Calibration	2	
0046.Feige34	180	03:42	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0047.COMP	10	03:46	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0048.HD84937	30	03:55	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0049.COMP	10	03:55	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0050.SN2017egm	900	04:00	10:19:05.6	+46:27:14	300	20	3.0	#225	2	
0051.SN2017egm	900	04:15	10:19:05.6	+46:27:14	300	20	3.0	#225	2	
0052.SN2017egm	900	04:31	10:19:05.6	+46:27:14	300	20	3.0	#225	2	
0053.COMP	10	04:46	10:19:05.6	+46:27:14	300	20	3.0	0 Calibration	2	
0054.PS17bgn	1800	04:55	11:31:53.0	+29:59:45	300	90	3.0	#225	2	tilt=634 for Peter Blanchard
0055.PS17bgn	1800	05:25	11:31:53.0	+29:59:45	300	90	3.0	#225	2	
0056.PS17bgn	1800	05:55	11:31:53.0	+29:59:45	300	89	3.0	#225	2	
0057.COMP	10	06:26	11:31:53.0	+29:59:45	300	89	3.0	0 Calibration	2	
0058-0067.FLAT	7	06:37	11:31:53.0	+29:59:45	300	89	3.0	0 Calibration	2	
0068.COMP	10	06:44	11:31:53.0	+29:59:45	300	89	3.0	0 Calibration	2	
0069.COMP	10	06:48	11:31:53.0	+29:59:45	300	89	3.0	0 Calibration	2	
0070.AS210	10	06:57	16:51:20.3	-26:00:33	300	89	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0071.AS210	420	06:58	16:51:20.3	-26:00:33	300	89	3.0	#12 Symbiotic	2	
0072.COMP	10	07:05	16:51:20.3	-26:00:33	300	90	3.0	0 Calibration	2	
0073.Hen1341	15	07:11	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0074.Hen1341	40	07:11	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0075.Hen1341	75	07:13	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0076.COMP	10	07:14	17:08:36.0	-17:26:30	300	90	3.0	0 Calibration	2	
0077.TCrB	15	07:18	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0078.TCrB	60	07:19	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0079.COMP	10	07:21	15:59:30.0	+25:55:12	300	90	3.0	0 Calibration	2	
0080.sn2017erp	1800	07:25	15:09:14.8	-11:20:03	300	90	3.0	#2 SN Observat	2	
0081.COMP	10	08:16	15:09:14.8	-11:20:03	300	90	3.0	0 Calibration	2	
0082.SN2017esy	1800	08:22	17:56:19.3	+30:14:06	300	110	3.0	#220 ASASSN Tr	2	
0083.COMP	10	09:06	17:56:19.3	+30:14:06	300	110	3.0	0 Calibration	2	
0084.sn2017eaw	900	09:24	20:34:44.2	+60:11:36	300	90	3.0	#2 SN Observat	2	
0085.COMP	10	09:39	20:34:44.2	+60:11:36	300	90	3.0	0 Calibration	2	
0086.BDp174708	90	09:57	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0087.COMP	10	09:59	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0088.BDp284211	150	10:00	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0089.COMP	10	10:03	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0090-0099.FLAT	7	10:07	21:51:11.0	+28:51:50	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
0100.BDp284211	150	10:19	21:51:11.0	+28:51:50	600	90	1.5	#56 Spectropho	4	
0101.COMP	10	10:22	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0102.j2053m00	487	10:25	20:53:14.3	-00:16:09	600	90	1.5	#178 Low Mass	4	
0103.COMP	10	10:33	20:53:14.3	-00:16:09	600	90	1.5	0 Calibration	4	
0104.j2057m14	74	10:40	20:57:38.9	-14:25:45	600	90	1.5	#178 Low Mass	4	
0105.COMP	10	10:41	20:57:38.9	-14:25:45	600	90	1.5	0 Calibration	4	
0106.j2057m17	346	10:43	20:57:13.8	-17:02:02	600	90	1.5	#178 Low Mass	4	
0107.COMP	10	10:49	20:57:13.8	-17:02:02	600	90	1.5	0 Calibration	4	
0108.j2101m05	292	11:03	21:01:10.2	-05:27:51	600	90	1.5	#178 Low Mass	4	
0109.COMP	10	11:08	21:01:10.2	-05:27:51	600	91	1.5	0 Calibration	4	
0110.j2124m01	265	11:10	21:24:25.9	-01:22:41	600	91	1.5	#178 Low Mass	4	
0111.COMP	10	11:15	21:24:25.9	-01:22:41	600	90	1.5	0 Calibration	4	
0112-0121.FLAT	12	11:30	21:24:25.9	-01:22:41	600	90	1.5	0 Calibration	4	
0122-0131.BIAS	0	11:36	21:24:25.9	-01:22:41	600	90	1.5	0 Calibration	4	
0132-0141.BIAS	0	11:41	21:24:25.9	-01:22:41	600	90	1.5	0 Calibration	2	
0142-0151.DARK	900	14:01	21:24:25.9	-01:22:41	600	90	1.5	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	10	00:13	08:12:00.0	-15:00:00	600	90	1.5	0 Calibration	2	
0002.COMP	10	00:36	08:12:00.0	-15:00:00	600	90	1.5	0 Calibration	4	
0003-0010.DARK	900	02:26	08:12:00.0	-15:00:00	600	90	1.5	0 Calibration	4	
0011-0020.BIAS	0	02:42	08:12:00.0	-15:00:00	600	90	1.5	0 Calibration	4	
0021-0026.FLAT	7	02:52	08:12:00.0	-15:00:00	600	90	1.5	0 Calibration	2	
0027.FLAT	7	02:52	08:12:00.0	-15:00:00	300	90	3.0	0 Calibration	2	
0028.COMP	10	02:53	08:12:00.0	-15:00:00	300	90	3.0	0 Calibration	2	
0029.COMP	10	02:55	08:12:00.0	-15:00:00	300	90	3.0	0 Calibration	2	
0030.COMP	10	02:57	08:12:00.0	-15:00:00	300	90	3.0	0 Calibration	2	
0031.COMP	10	03:03	08:12:00.0	-15:00:00	300	90	3.0	0 Calibration	2	
0032.COMP	10	03:10	08:12:00.0	-15:00:00	300	90	3.0	0 Calibration	2	
0033.COMP	10	03:14	08:12:00.0	-15:00:00	300	90	3.0	0 Calibration	2	
0034.COMP	10	03:22	08:12:00.0	-15:00:00	300	90	3.0	0 Calibration	2	
0035.COMP	10	03:24	08:12:00.0	-15:00:00	300	90	3.0	0 Calibration	2	
0036.COMP	10	03:27	08:12:00.0	-15:00:00	300	90	3.0	0 Calibration	2	
0037-0056.FLAT	7	03:34	08:12:00.0	-15:00:00	300	90	3.0	0 Calibration	2	
0057-0066.BIAS	0	03:37	08:12:00.0	-15:00:00	300	90	3.0	0 Calibration	2	
0067.BDp332642	120	06:48	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0068.COMP	10	06:55	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0069.BDp262606	90	07:04	14:49:02.4	+25:42:09	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
0070.COMP	10	07:07	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0071.sn2017erp	20	07:21	15:09:14.8	-11:20:03	300	90	3.0	#2 SN Observat	2	
0072.sn2017erp	20	07:22	15:09:14.8	-11:20:03	300	90	3.0	#2 SN Observat	2	
0073.sn2017erp	20	07:22	15:09:14.8	-11:20:03	300	90	3.0	#2 SN Observat	2	
0074.COMP	10	07:23	15:09:14.8	-11:20:03	300	90	3.0	0 Calibration	2	
0075.AS289	15	07:32	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0076.AS289	20	07:33	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0077.AS289	430	07:34	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0078.COMP	10	07:42	18:12:22.0	-11:40:08	300	90	3.0	0 Calibration	2	
0079.AS296	40	07:49	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	
0080.AS296	130	07:50	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	
0081.COMP	10	07:53	18:15:07.0	-00:18:52	300	90	3.0	0 Calibration	2	
0082.V919Sgr	20	07:59	19:03:45.0	-16:59:56	300	91	3.0	#12 Symbiotic	2	
0083.V919Sgr	35	07:59	19:03:45.0	-16:59:56	300	91	3.0	#12 Symbiotic	2	
0084.COMP	10	08:01	19:03:45.0	-16:59:56	300	91	3.0	0 Calibration	2	
0085.RS0ph	13	08:08	17:50:13.0	-06:42:30	300	91	3.0	#12 Symbiotic	2	
0086.RS0ph	70	08:08	17:50:13.0	-06:42:30	300	91	3.0	#12 Symbiotic	2	
0087.RS0ph	180	08:10	17:50:13.0	-06:42:30	300	91	3.0	#12 Symbiotic	2	
0088.COMP	10	08:13	17:50:13.0	-06:42:30	300	91	3.0	0 Calibration	2	
0089.YYHer	13	08:21	18:14:34.0	+20:59:19	300	70	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.YYHer	65	08:22	18:14:34.0	+20:59:19	300	70	3.0	#12 Symbiotic	2	
0091.COMP	10	08:24	18:14:34.0	+20:59:19	300	70	3.0	0 Calibration	2	
0092.V443Her	5	08:28	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0093.V443Her	45	08:28	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0094.V443Her	90	08:29	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0095.COMP	10	08:32	18:22:07.0	+23:27:20	300	90	3.0	0 Calibration	2	
0096-0100.FLAT	12	08:47	18:22:07.0	+23:27:20	600	90	1.5	0 Calibration	2	
0101-0110.FLAT	12	08:50	18:22:07.0	+23:27:20	600	90	1.5	0 Calibration	4	
0111-0120.FLAT	12	09:39	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0121-0130.BIAS	0	11:16	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0131.COMP	10	11:26	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0132.COMP	10	11:30	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0133.COMP	10	11:35	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0134.COMP	10	11:37	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0135.COMP	10	11:42	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0136.COMP	10	11:47	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0137.COMP	10	11:50	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0138-0157.FLAT	7	11:56	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0158-0167.BIAS	0	11:59	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0168-0177.DARK	900	14:29	21:51:11.0	+28:51:50	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>
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	02:18	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0011-0020.BIAS	0	02:36	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0021.COMP	10	02:43	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	4	
0022.COMP	10	02:43	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0023.COMP	10	02:49	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0024.COMP	10	02:52	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0025-0044.FLAT	7	02:59	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0045-0054.BIAS	0	03:01	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0055.Feige34	180	03:44	10:39:36.7	+43:06:09	300	50	3.0	#56 Spectropho	2	
0055.Feige34q.ms	180	03:44	10:39:36.7	+43:06:09	300	50	3.0	#56 Spectropho	1	
0056.COMP	10	03:48	10:39:36.7	+43:06:09	300	50	3.0	0 Calibration	2	
0057.SN2017egm	900	03:56	10:19:05.6	+46:27:14	300	90	3.0	#225	2	
0058.SN2017egm	900	04:12	10:19:05.6	+46:27:14	300	90	3.0	#225	2	
0059.SN2017egm	900	04:27	10:19:05.6	+46:27:14	300	90	3.0	#225	2	
0060.COMP	10	04:42	10:19:05.6	+46:27:14	300	90	3.0	0 Calibration	2	
0061.Feige34	180	04:47	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0062.COMP	10	04:51	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0063.sn2017eaw	1800	09:17	20:34:44.2	+60:11:36	300	90	3.0	#2 SN Observat	2	
0064.COMP	10	09:48	20:34:44.2	+60:11:36	300	89	3.0	0 Calibration	2	
0065-0074.FLAT	12	10:02	15:09:14.8	-11:20:03	600	89	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0075.BDp284211	150	10:07	21:51:11.0	+28:51:50	600	89	1.5	#56 Spectropho	4	
0076.COMP	10	10:10	21:51:11.0	+28:51:50	600	89	1.5	0 Calibration	4	
0077.j1727p09	243	10:21	17:27:30.9	+09:00:52	600	89	1.5	#178 Low Mass	4	
0078.COMP	10	10:25	17:27:30.9	+09:00:52	600	89	1.5	0 Calibration	4	
0079.j1802p00	395	10:33	18:02:28.5	+00:59:19	600	89	1.5	#178 Low Mass	4	
0080.COMP	10	10:40	18:02:28.5	+00:59:19	600	89	1.5	0 Calibration	4	
0081.j2057p10	333	10:43	20:57:43.2	+10:17:26	600	89	1.5	#178 Low Mass	4	
0082.COMP	10	10:49	20:57:43.2	+10:17:26	600	89	1.5	0 Calibration	4	
0083.j2141p05	300	10:52	21:41:05.0	+05:13:37	600	89	1.5	#178 Low Mass	4	
0084.COMP	10	10:57	21:41:05.0	+05:13:37	600	89	1.5	0 Calibration	4	
0085.j2145m01	450	11:00	21:45:40.8	-01:28:09	600	89	1.5	#178 Low Mass	4	
0085.j2145m01q.ms	450	11:00	21:45:40.8	-01:28:09	600	89	1.5	#178 Low Mass	1	
0086.COMP	10	11:08	21:45:40.8	-01:28:09	600	89	1.5	0 Calibration	4	
0087-0096.BIAS	0	11:15	21:45:40.8	-01:28:09	600	89	1.5	0 Calibration	4	
0097.COMP	10	11:24	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0098.COMP	10	11:28	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0099.COMP	10	11:31	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0100-0119.FLAT	7	11:38	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0120-0129.BIAS	0	11:41	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0130-0136.DARK	900	13:23	21:45:40.8	-01:28:09	300	89	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>
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	01:42	21:45:40.8	-01:28:09	600	89	1.5	0 Calibration	4	
0011-0020.BIAS	0	03:03	21:45:40.8	-01:28:09	600	89	1.5	0 Calibration	4	
0021.COMP	10	03:07	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0022.COMP	10	03:12	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0023.COMP	10	03:14	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0024.COMP	10	03:18	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0025.COMP	10	03:21	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0026.COMP	10	03:23	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0027.COMP	10	03:25	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0028.COMP	10	03:28	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0029.COMP	10	03:31	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0030.COMP	10	03:33	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0031.COMP	10	03:35	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0032-0051.FLAT	7	03:41	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0052-0061.BIAS	0	03:43	21:45:40.8	-01:28:09	300	89	3.0	0 Calibration	2	
0062.BDp332642	140	05:42	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0063.COMP	10	05:45	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0064.AS289	20	07:08	18:12:22.0	-11:40:08	300	89	3.0	#12 Symbiotic	2	
0065.AS289	430	07:08	18:12:22.0	-11:40:08	300	89	3.0	#12 Symbiotic	2	
0066.COMP	10	07:16	18:12:22.0	-11:40:08	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
0067.COMP	10	07:31	18:12:22.0	-11:40:08	300	89	3.0	0 Calibration	2	
0068.AS296	35	07:37	18:15:07.0	-00:18:52	300	20	3.0	#12 Symbiotic	2	
0069.AS296	130	07:38	18:15:07.0	-00:18:52	300	20	3.0	#12 Symbiotic	2	
0070.COMP	10	07:41	18:15:07.0	-00:18:52	300	20	3.0	0 Calibration	2	
0071.YYHer	13	07:46	18:14:34.0	+20:59:19	300	20	3.0	#12 Symbiotic	2	
0072.YYHer	65	07:46	18:14:34.0	+20:59:19	300	20	3.0	#12 Symbiotic	2	
0073.COMP	10	07:48	18:14:34.0	+20:59:19	300	20	3.0	0 Calibration	2	
0074.AS338	100	07:54	19:03:47.0	+16:26:17	300	81	3.0	#12 Symbiotic	2	
0075.AS338	600	07:55	19:03:47.0	+16:26:17	300	81	3.0	#12 Symbiotic	2	
0076.COMP	10	08:06	19:03:47.0	+16:26:17	300	81	3.0	0 Calibration	2	
0077.HMSge	1	08:23	19:41:57.0	+16:44:41	300	89	3.0	#12 Symbiotic	2	
0078.HMSge	10	08:23	19:41:57.0	+16:44:41	300	89	3.0	#12 Symbiotic	2	
0079.HMSge	60	08:23	19:41:57.0	+16:44:41	300	89	3.0	#12 Symbiotic	2	
0080.COMP	10	08:24	19:41:57.0	+16:44:41	300	89	3.0	0 Calibration	2	
0081.V1016Cyg	1	08:31	19:57:05.0	+39:49:37	300	51	3.0	#12 Symbiotic	2	
0082.V1016Cyg	10	08:31	19:57:05.0	+39:49:37	300	51	3.0	#12 Symbiotic	2	
0083.V1016Cyg	60	08:32	19:57:05.0	+39:49:37	300	51	3.0	#12 Symbiotic	2	
0084.COMP	10	08:33	19:57:05.0	+39:49:37	300	50	3.0	0 Calibration	2	
0085.PUVu1	1	08:40	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0086.PUVu1	10	08:40	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.PUVul	60	08:40	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0088.COMP	10	08:42	20:21:13.0	+21:34:21	300	89	3.0	0 Calibration	2	
0089.sn2017eaw	1800	08:53	20:34:44.2	+60:11:36	300	89	3.0	#2 SN Observat	2	
0089.sn2017eawq.ms	1800	08:53	20:34:44.2	+60:11:36	300	89	3.0	#2 SN Observat	1	
0090.COMP	10	09:23	20:34:44.2	+60:11:36	300	89	3.0	0 Calibration	2	
0091.BDp174708	90	09:28	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0092.COMP	10	09:30	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0093.BDp284211	150	09:39	21:51:11.0	+28:51:50	600	89	1.5	#56 Spectropho	4	
0093.BDp284211q.ms	150	09:39	21:51:11.0	+28:51:50	600	89	1.5	#56 Spectropho	1	
0094.COMP	10	09:42	21:51:11.0	+28:51:50	600	89	1.5	0 Calibration	4	
0095.j2116p73	296	09:54	21:16:52.8	+73:50:41	600	89	1.5	#178 Low Mass	4	
0096.COMP	10	10:01	21:16:52.8	+73:50:41	600	90	1.5	0 Calibration	4	
0097-0106.FLAT	12	11:30	23:11:28.1	+29:29:34	600	90	1.5	0 Calibration	4	
0107-0116.BIAS	0	11:36	23:11:28.1	+29:29:34	600	90	1.5	0 Calibration	4	
0117.COMP	10	11:41	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0118.COMP	10	11:45	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0119.COMP	10	11:47	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0120.COMP	10	11:49	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0121-0140.FLAT	7	11:55	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0141-0150.BIAS	0	11:57	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	

UT Date 2017-06-22 Observers Maurice WilsonColl. Focus 1300 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>
0151-0156.DARK	900	13:25	23:11:28.1	+29:29:34	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 2017-06-23 Observers Maurice WilsonColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	02:53	23:11:28.1	+29:29:34	600	90	1.5	0 Calibration	4	
0011-0020.BIAS	0	03:09	23:11:28.1	+29:29:34	600	90	1.5	0 Calibration	4	
0021.COMP	10	03:15	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0022.COMP	10	03:19	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0023.COMP	10	03:22	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0024.COMP	10	03:25	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0025.COMP	10	03:27	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0026.COMP	10	03:29	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0027.COMP	10	03:32	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0028.COMP	10	03:34	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0029.COMP	10	03:36	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0030-0049.FLAT	7	03:42	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0050-0059.BIAS	0	03:44	23:11:28.1	+29:29:34	300	90	3.0	0 Calibration	2	
0060.Feige34	240	04:00	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0061.COMP	10	04:05	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0062.BFCyg	20	08:06	19:23:53.0	+29:40:27	300	100	3.0	#12 Symbiotic	2	
0063.BFCyg	20	08:07	19:23:53.0	+29:40:27	300	100	3.0	#12 Symbiotic	2	
0064.COMP	10	08:07	19:23:53.0	+29:40:27	300	100	3.0	0 Calibration	2	
0065-0084.FLAT	7	11:45	22:07:00.5	+25:20:42	300	91	3.0	0 Calibration	2	
0085-0094.BIAS	0	11:49	22:07:00.5	+25:20:42	300	91	3.0	0 Calibration	2	

UT Date 2017-06-23 Observers Maurice WilsonColl. Focus 1300 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>
0095-0100.DARK	900	13:20	22:07:00.5	+25:20:42	300	91	3.0	0 Calibration	2	

UT Date 2017-06-24 Observers Maurice WilsonColl. Focus 1300 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	02:56	22:07:00.5	+25:20:42	600	91	1.5	0 Calibration	4	
0011-0020.BIAS	0	03:13	22:07:00.5	+25:20:42	600	91	1.5	0 Calibration	4	
0021.COMP	10	03:20	22:07:00.5	+25:20:42	300	91	3.0	0 Calibration	2	
0022.COMP	10	03:24	22:07:00.5	+25:20:42	300	91	3.0	0 Calibration	2	
0023.COMP	10	03:26	22:07:00.5	+25:20:42	300	91	3.0	0 Calibration	2	
0024-0043.FLAT	7	03:32	22:07:00.5	+25:20:42	300	91	3.0	0 Calibration	2	
0044-0053.BIAS	0	03:35	22:07:00.5	+25:20:42	300	91	3.0	0 Calibration	2	
0054.BDp284211	150	09:59	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0055.COMP	10	10:02	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0056-0075.FLAT	7	11:45	20:34:44.2	+60:11:36	300	90	3.0	0 Calibration	2	
0076-0085.BIAS	0	11:47	20:34:44.2	+60:11:36	300	90	3.0	0 Calibration	2	
0086-0095.DARK	900	14:18	20:34:44.2	+60:11:36	300	90	3.0	0 Calibration	2	

UT Date 2017-06-25 Observers Maurice WilsonColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0008.DARK	900	02:47	20:34:44.2	+60:11:36	600	90	1.5	0 Calibration	4	
0009-0018.BIAS	0	03:03	20:34:44.2	+60:11:36	600	90	1.5	0 Calibration	4	
0019.COMP	10	03:09	20:34:44.2	+60:11:36	300	90	3.0	0 Calibration	2	
0020.COMP	10	03:11	20:34:44.2	+60:11:36	300	90	3.0	0 Calibration	2	
0021.COMP	10	03:13	20:34:44.2	+60:11:36	300	90	3.0	0 Calibration	2	
0022.COMP	10	03:15	20:34:44.2	+60:11:36	300	90	3.0	0 Calibration	2	
0023-0042.FLAT	7	03:21	20:34:44.2	+60:11:36	300	90	3.0	0 Calibration	2	
0043-0052.BIAS	0	03:26	20:34:44.2	+60:11:36	300	90	3.0	0 Calibration	2	
0053.BDp332642	150	03:38	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0053.BDp332642q.ms	150	03:38	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	1	
0054.COMP	10	03:41	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0055.sn2017erp	50	04:00	15:09:14.8	-11:20:03	300	90	3.0	#2 SN Observat	2	
0056.sn2017erp	30	04:01	15:09:14.8	-11:20:03	300	90	3.0	#2 SN Observat	2	
0057.COMP	10	04:02	15:09:14.8	-11:20:03	300	90	3.0	0 Calibration	2	
0058.AGDra	4	05:48	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0059.AGDra	30	05:48	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0060.AGDra	60	05:49	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0061.AGDra	90	05:50	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0062.COMP	10	05:52	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0063.TCrB	30	06:09	15:59:30.0	+25:55:12	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
0064.TCrB	90	06:09	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0065.COMP	10	06:11	15:59:30.0	+25:55:12	300	90	3.0	0 Calibration	2	
0066.TCrB	120	06:12	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0067.V443Her	5	06:18	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0068.V443Her	10	06:18	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0069.V443Her	45	06:18	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0070.V443Her	90	06:19	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0071.V443Her	180	06:21	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0072.COMP	10	06:24	18:22:07.0	+23:27:20	300	90	3.0	0 Calibration	2	
0073.RSOph	20	06:37	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0074.RSOph	120	06:38	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0075.RSOph	300	06:40	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0076.COMP	10	06:45	17:50:13.0	-06:42:30	300	90	3.0	0 Calibration	2	
0077.sn2017eaw	1800	08:16	20:34:44.2	+60:11:36	300	90	3.0	#2 SN Observat	2	
0078.COMP	10	08:46	20:34:44.2	+60:11:36	300	90	3.0	0 Calibration	2	
0079.DracoC1	1800	08:51	17:19:58.0	+57:50:06	300	89	3.0	#12 Symbiotic	2	
0080.COMP	10	09:21	17:19:58.0	+57:50:06	300	89	3.0	0 Calibration	2	
0081.BDp174708	100	09:24	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0082.COMP	10	09:26	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0083.j2126p27	600	10:17	21:26:30.7	+27:26:29	600	89	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>
0084.COMP	10	10:27	21:26:30.7	+27:26:29	600	89	1.5	0 Calibration	4	
0085-0104.FLAT	12	11:37	23:19:58.4	-05:09:56	600	89	1.5	0 Calibration	4	
0105-0114.BIAS	0	11:41	23:19:58.4	-05:09:56	600	89	1.5	0 Calibration	4	
0115.COMP	10	11:47	23:19:58.4	-05:09:56	300	89	3.0	0 Calibration	2	
0116.COMP	10	11:51	23:19:58.4	-05:09:56	300	89	3.0	0 Calibration	2	
0117.COMP	10	11:54	23:19:58.4	-05:09:56	300	89	3.0	0 Calibration	2	
0118.COMP	10	11:56	23:19:58.4	-05:09:56	300	89	3.0	0 Calibration	2	
0119-0138.FLAT	7	12:03	23:19:58.4	-05:09:56	300	89	3.0	0 Calibration	2	
0139-0148.BIAS	0	12:06	23:19:58.4	-05:09:56	300	89	3.0	0 Calibration	2	
0149-0158.DARK	900	14:34	23:19:58.4	-05:09:56	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 2017-06-26 Observers M CalkinsColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	03:41	12:16:26.9	+31:36:09	300	90	3.0	0 Calibration	4	
0011-0020.BIAS	0	05:34	12:16:26.9	+31:36:09	300	90	3.0	0 Calibration	4	
0021-0040.FLAT	7	05:40	12:16:26.9	+31:36:09	300	90	3.0	0 Calibration	2	
0041-0050.BIAS	0	05:45	12:16:26.9	+31:36:09	300	90	3.0	0 Calibration	2	
0051.sn2017erp	1800	06:19	15:09:14.8	-11:20:03	300	90	3.0	#2 SN Observat	2	
0052.COMP	10	06:50	15:09:14.8	-11:20:03	300	90	3.0	0 Calibration	2	grating tilt slightly off
0053.BDp262606	70	06:54	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0054.COMP	10	06:56	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0055.BDp332642	150	06:58	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0056.COMP	10	07:01	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0057.BRUTUS7930_7	1800	07:06	15:41:00.2	+51:26:17	300	20	3.0	#220 ASASSN Tr	2	
0058.COMP	10	07:37	15:41:00.2	+51:26:17	300	20	3.0	0 Calibration	2	
0059.sn2017eaw	600	07:43	20:34:44.2	+60:11:36	300	90	3.0	#2 SN Observat	2	
0060.COMP	10	07:54	20:34:44.2	+60:11:36	300	90	3.0	0 Calibration	2	
0061.j1646m09	1500	08:01	16:46:17.7	-09:02:18	600	90	1.5	#178 Low Mass	4	
0062.COMP	10	08:27	16:46:17.7	-09:02:18	600	90	1.5	0 Calibration	4	
0063.j1646p25	2100	08:31	16:46:37.7	+25:18:25	600	70	1.5	#178 Low Mass	4	
0064.COMP	10	09:06	16:46:37.7	+25:18:25	600	70	1.5	0 Calibration	4	
0065.j1649p18	1500	09:08	16:49:52.5	+18:10:25	600	90	1.5	#178 Low Mass	4	
0066.COMP	10	09:34	16:49:52.5	+18:10:25	600	90	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.j2002p09	2700	09:38	20:02:25.4	+09:49:52	600	105	1.5	#178 Low Mass	4	
0068.COMP	10	10:23	20:02:25.4	+09:49:52	600	105	1.5	0 Calibration	4	
0069.j2003p13	2700	10:26	20:03:33.3	+13:52:14	600	90	1.5	#178 Low Mass	4	
0070.COMP	10	11:12	20:03:33.3	+13:52:14	600	90	1.5	0 Calibration	4	
0071.BDp284211	360	11:15	21:51:11.0	+28:51:50	600	90	1.5	#56 Spectropho	4	
0072.COMP	10	11:21	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0073-0092.FLAT	12	11:30	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0093-0102.BIAS	0	11:31	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0103.COMP	5	11:35	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	4	
0104.COMP	5	11:37	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	4	
0105-0114.BIAS	0	11:39	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0115-0124.DARK	900	13:59	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	