

UT Date 2016-05-07 Observers Ste OBrienColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0002.BIAS	0	21:54	05:29:53.1	+31:30:01	300	87	3.0	0 Calibration	2	
0003.COMP	10	21:55	05:29:53.1	+31:30:01	300	87	3.0	0 Calibration	2	
0004.COMP	10	22:00	05:29:53.1	+31:30:01	300	87	3.0	0 Calibration	1	
0005.COMP	10	22:04	05:29:53.1	+31:30:01	300	87	3.0	0 Calibration	1	
0006.COMP	10	22:08	05:29:53.1	+31:30:01	300	87	3.0	0 Calibration	2	
0007.COMP	10	22:11	05:29:53.1	+31:30:01	300	87	3.0	0 Calibration	2	
0008.COMP	10	22:14	05:29:53.1	+31:30:01	300	87	3.0	0 Calibration	2	
0009.COMP	10	22:23	05:29:53.1	+31:30:01	300	87	3.0	0 Calibration	2	
0010.COMP	10	22:25	05:29:53.1	+31:30:01	300	87	3.0	0 Calibration	2	
0011.COMP	10	22:28	05:29:53.1	+31:30:01	300	87	3.0	0 Calibration	2	
0012.COMP	10	22:43	05:29:53.1	+31:30:01	300	87	3.0	0 Calibration	2	
0013.COMP	10	22:48	05:29:53.1	+31:30:01	300	87	3.0	0 Calibration	2	
0014.COMP	10	22:52	05:29:53.1	+31:30:01	300	87	3.0	0 Calibration	2	
0015.COMP	10	23:05	06:21:55.9	+36:02:30	300	79	3.0	0 Calibration	2	
0016.COMP	10	23:08	06:21:55.9	+36:02:30	300	79	3.0	0 Calibration	2	
0017.COMP	10	23:14	06:48:12.9	+31:31:49	300	80	3.0	0 Calibration	2	
0018.BIAS	0	23:24	07:00:00.9	+31:32:05	300	83	3.0	0 Calibration	2	
0019.BIAS	0	23:26	07:00:00.9	+31:32:05	300	83	3.0	0 Calibration	4	
0020.COMP	10	23:29	07:00:00.9	+31:32:05	300	90	3.0	0 Calibration	2	
0021.COMP	10	23:35	07:00:00.9	+31:32:05	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
0022.BIAS	23	23:36	07:00:00.9	+31:32:05	300	90	3.0	0 Calibration	2	
0023.BIAS	0	00:07	07:00:00.9	+31:32:05	300	90	3.0	0 Calibration	2	
0024.COMP	10	00:17	07:00:00.9	+31:32:05	300	90	3.0	0 Calibration	2	
0025-0034.BIAS	0	00:22	07:00:00.9	+31:32:05	300	90	3.0	0 Calibration	2	
0035-0049.FLAT	7	00:27	07:00:00.9	+31:32:05	300	90	3.0	0 Calibration	2	
0050-0054.DARK	900	02:18	07:00:00.9	+31:32:05	300	90	3.0	0 Calibration	2	
0055.HD84937	30	03:16	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0056.HD84937	30	03:17	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0057.HD84937	30	03:18	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0058.COMP	10	03:18	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0059.notFeige34	180	03:30	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0060.notFeige34	180	03:33	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0061.notFeige34	180	03:36	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0062.COMP	10	03:40	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0063.TXCVn	30	03:50	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0064.TXCVn	30	03:51	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0065.COMP	10	03:53	12:44:42.0	+36:45:48	300	89	3.0	0 Calibration	2	
0066.sn2016bkv	1800	04:04	10:18:19.3	+41:25:39	300	89	3.0	#2 SN Observat	2	
0067.sn2016bkv	1800	04:34	10:18:19.3	+41:25:39	300	89	3.0	#2 SN Observat	2	
0068.sn2016bkv	1800	05:04	10:18:19.3	+41:25:39	300	89	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0069.COMP	10	05:35	10:18:19.3	+41:25:39	300	89	3.0	0 Calibration	2	
0070.Feige34	180	05:41	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0071.Feige34	180	05:44	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0072.Feige34	180	05:48	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0073.COMP	10	05:51	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0074.snASASSN-16es	1200	06:02	11:50:54.5	+02:18:26	300	89	3.0	#220 ASASSN Tr	2	
0075.snASASSN-16es	1200	06:28	11:50:54.5	+02:18:26	300	89	3.0	#220 ASASSN Tr	2	
0076.COMP	10	06:52	11:50:54.5	+02:18:26	300	89	3.0	0 Calibration	2	
0077.Feige34	180	06:56	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0078.COMP	10	07:00	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0079.TCrB	15	07:18	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0080.TCrB	60	07:19	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0081.COMP	10	07:21	15:59:30.0	+25:55:12	300	90	3.0	0 Calibration	2	
0082.Feige34	180	07:38	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0083.COMP	10	07:42	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0084-0093.BIAS	0	08:44	16:46:25.9	+40:02:42	300	90	3.0	0 Calibration	4	
0094-0103.FLAT	4	08:46	16:46:25.9	+40:02:42	300	90	3.0	0 Calibration	4	
0104-0113.BIAS	0	08:49	16:46:25.9	+40:02:42	300	90	3.0	0 Calibration	2	
0114-0128.FLAT	7	08:53	16:46:25.9	+40:02:42	300	90	3.0	0 Calibration	2	

UT Date 2016-05-08 Observers Ste OBrienColl. Focus 1320 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:07	16:46:25.9	+40:02:42	600	90	1.5	0 Calibration	4	
0011-0020.FLAT	12	00:13	16:46:25.9	+40:02:42	600	90	1.5	0 Calibration	4	
0021-0025.DARK	900	01:15	16:46:25.9	+40:02:42	600	90	1.5	0 Calibration	4	
0026.Feige34	180	03:07	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0027.Feige34	180	03:13	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0028.Feige34	180	03:16	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0029.COMP	10	03:20	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0030-0052.BIAS	0	04:50	10:39:41.5	-03:25:34	600	90	1.5	0 Calibration	4	
0053.FLAT	12	05:29	10:39:41.5	-03:25:34	600	90	1.5	0 Calibration	4	
0054-0055.BIAS	0	06:08	10:39:41.5	-03:25:34	600	90	1.5	0 Calibration	4	

UT Date 2016-05-10 Observers Ste OBrienColl. Focus 1320 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:50	05:22:55.8	+31:29:52	600	88	1.5	0 Calibration	2	
0011.COMP	5	23:53	05:22:55.8	+31:29:52	600	88	1.5	0 Calibration	2	
0012-0021.FLAT	12	00:38	05:22:55.8	+31:29:52	600	88	1.5	0 Calibration	4	
0022-0031.BIAS	0	00:40	05:22:55.8	+31:29:52	600	88	1.5	0 Calibration	4	
0032.COMP	10	00:42	05:22:55.8	+31:29:52	600	88	1.5	0 Calibration	4	
0033-0037.DARK	900	01:50	05:22:55.8	+31:29:52	600	88	1.5	0 Calibration	4	
0038.BIAS	0	03:07	10:39:36.7	+43:06:09	600	88	1.5	0 Calibration	4	
0039.Feige34	180	03:08	10:39:36.7	+43:06:09	600	88	1.5	#56 Spectropho	4	
0040.Feige34	180	03:13	10:39:36.7	+43:06:09	600	87	1.5	#56 Spectropho	4	
0041.Feige34	180	03:16	10:39:36.7	+43:06:09	600	87	1.5	#56 Spectropho	4	
0042.COMP	10	03:20	10:39:36.7	+43:06:09	600	87	1.5	0 Calibration	4	
0043.j1039m03	1260	03:42	10:39:41.5	-03:25:34	600	89	1.5	#178 Low Mass	4	
0044.COMP	10	04:03	10:39:41.5	-03:25:34	600	89	1.5	0 Calibration	4	
0045.j1032p02	1440	04:05	10:32:19.5	+02:18:58	600	89	1.5	#178 Low Mass	4	
0046.COMP	10	04:29	10:32:19.5	+02:18:58	600	89	1.5	0 Calibration	4	
0047.j1144m00	780	04:34	11:44:29.3	-00:17:18	600	89	1.5	#178 Low Mass	4	
0048.COMP	10	04:48	11:44:29.3	-00:17:18	600	89	1.5	0 Calibration	4	
0049.j1129p19	1680	05:02	11:29:21.3	+19:25:01	600	89	1.5	#178 Low Mass	4	
0050.COMP	10	05:30	11:29:21.3	+19:25:01	600	89	1.5	0 Calibration	4	
0051.COMP	10	05:37	11:29:21.3	+19:25:01	600	89	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.COMP	10	05:41	11:29:21.3	+19:25:01	600	89	3.0	0 Calibration	2	
0053.COMP	10	05:44	11:29:21.3	+19:25:01	600	89	3.0	0 Calibration	2	
0054.COMP	10	05:47	11:29:21.3	+19:25:01	600	89	3.0	0 Calibration	2	
0055.COMP	10	05:50	11:29:21.3	+19:25:01	600	89	3.0	0 Calibration	2	
0056.COMP	10	05:52	11:29:21.3	+19:25:01	600	89	3.0	0 Calibration	2	
0057.COMP	10	05:54	11:29:21.3	+19:25:01	600	89	3.0	0 Calibration	2	
0058.COMP	10	05:55	11:29:21.3	+19:25:01	600	89	3.0	0 Calibration	2	
0059.COMP	10	05:57	11:29:21.3	+19:25:01	600	89	3.0	0 Calibration	2	
0060.sn2016bkv	1800	06:01	10:18:19.3	+41:25:39	600	89	3.0	#2 SN Observat	2	
0061.COMP	10	06:32	10:18:19.3	+41:25:39	600	89	3.0	0 Calibration	2	
0062.Feige34	180	06:37	10:39:36.7	+43:06:09	600	89	3.0	#56 Spectropho	2	
0063.COMP	10	07:01	17:10:23.9	+26:23:48	600	89	3.0	0 Calibration	2	
0064.sn2016ccj	1800	07:10	17:10:23.9	+26:23:48	600	89	3.0	#2 SN Observat	2	
0065.COMP	10	07:46	17:10:23.9	+26:23:48	600	89	3.0	0 Calibration	2	
0066.Feige34	180	07:50	10:39:36.7	+43:06:09	600	89	3.0	#56 Spectropho	2	
0067.COMP	10	07:53	10:39:36.7	+43:06:09	600	89	3.0	0 Calibration	2	
0068.sn2016ccj	1800	07:56	17:10:23.9	+26:23:48	600	89	3.0	#2 SN Observat	2	
0069.COMP	10	08:27	17:10:23.9	+26:23:48	600	89	3.0	0 Calibration	2	
0070.BDp332642	120	08:30	15:51:59.9	+32:56:54	600	86	3.0	#56 Spectropho	2	
0071.BDp332642	120	08:32	15:51:59.9	+32:56:54	600	86	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.BDp332642	120	08:35	15:51:59.9	+32:56:54	600	86	3.0	#56 Spectropho	2	
0073.COMP	10	08:38	15:51:59.9	+32:56:54	600	86	3.0	0 Calibration	2	
0074.BDp262606	90	08:41	14:49:02.4	+25:42:09	600	86	3.0	#56 Spectropho	2	
0075.BDp262606	90	08:43	14:49:02.4	+25:42:09	600	86	3.0	#56 Spectropho	2	
0076.BDp262606	90	08:44	14:49:02.4	+25:42:09	600	86	3.0	#56 Spectropho	2	
0077.COMP	10	08:52	14:49:02.4	+25:42:09	600	86	3.0	0 Calibration	2	
0078.Hen1341	12	08:55	17:08:36.0	-17:26:30	600	86	3.0	#12 Symbiotic	2	
0079.Hen1341	30	08:55	17:08:36.0	-17:26:30	600	86	3.0	#12 Symbiotic	2	
0080.Hen1341	60	08:56	17:08:36.0	-17:26:30	600	86	3.0	#12 Symbiotic	2	
0081.COMP	10	08:57	17:08:36.0	-17:26:30	600	86	3.0	0 Calibration	2	
0082.PS16ccm	1800	09:08	16:48:32.4	+37:00:12	600	86	3.0	#225 SLSNe and	2	
0083.PS16ccm	1800	09:39	16:48:32.4	+37:00:12	600	86	3.0	#225 SLSNe and	2	
0084.COMP	10	10:09	16:48:32.4	+37:00:12	600	86	3.0	0 Calibration	2	
0085.PS16cee	1800	10:20	16:46:25.9	+40:02:42	600	88	3.0	#225 SLSNe and	2	
0086.PS16cee	1800	10:50	16:46:25.9	+40:02:42	600	88	3.0	#225 SLSNe and	2	
0087.COMP	10	11:20	16:46:25.9	+40:02:42	600	88	3.0	0 Calibration	2	
0088.V443Her	5	11:25	18:22:07.0	+23:27:20	600	88	3.0	#12 Symbiotic	2	
0089.V443Her	45	11:26	18:22:07.0	+23:27:20	600	88	3.0	#12 Symbiotic	2	
0090.V443Her	90	11:27	18:22:07.0	+23:27:20	600	88	3.0	#12 Symbiotic	2	
0091.COMP	10	11:28	18:22:07.0	+23:27:20	600	88	3.0	0 Calibration	2	

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0092.V919Sgr	15	11:32	19:03:45.0	-16:59:56	600	88	3.0	#12 Symbiotic	2	
0093.V919Sgr	30	11:33	19:03:45.0	-16:59:56	600	88	3.0	#12 Symbiotic	2	
0094.COMP	10	11:34	19:03:45.0	-16:59:56	600	88	3.0	0 Calibration	2	
0095-0104.BIAS	0	11:40	19:03:45.0	-16:59:56	600	88	3.0	0 Calibration	4	
0105-0114.FLAT	4	11:42	19:03:45.0	-16:59:56	600	88	3.0	0 Calibration	4	
0115-0124.BIAS	0	11:44	19:03:45.0	-16:59:56	600	88	3.0	0 Calibration	2	
0125-0139.FLAT	7	11:49	19:03:45.0	-16:59:56	600	88	3.0	0 Calibration	2	
0140-0144.DARK	900	13:06	19:03:45.0	-16:59:56	600	88	3.0	0 Calibration	2	

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0001-0010.BIAS	0	00:05	19:03:45.0	-16:59:56	600	88	3.0	0 Calibration	4	
0011-0020.FLAT	4	00:07	19:03:45.0	-16:59:56	600	88	3.0	0 Calibration	4	
0021-0030.BIAS	0	00:09	19:03:45.0	-16:59:56	600	88	3.0	0 Calibration	2	
0031-0045.FLAT	7	00:14	19:03:45.0	-16:59:56	600	88	3.0	0 Calibration	2	
0046-0050.DARK	900	01:17	19:03:45.0	-16:59:56	600	88	3.0	0 Calibration	2	
0051.COMP	10	01:51	19:03:45.0	-16:59:56	600	88	3.0	0 Calibration	2	
0052.BIAS	0	02:58	19:03:45.0	-16:59:56	600	88	3.0	0 Calibration	2	
0053.Feige34	180	03:08	10:39:36.7	+43:06:09	600	88	3.0	#56 Spectropho	2	
0054.Feige34	180	03:11	10:39:36.7	+43:06:09	600	88	3.0	#56 Spectropho	2	
0055.Feige34	180	03:15	10:39:36.7	+43:06:09	600	88	3.0	#56 Spectropho	2	
0056.COMP	10	03:20	10:39:36.7	+43:06:09	600	88	3.0	0 Calibration	2	
0057.HD84937	30	03:23	09:48:56.1	+13:44:39	600	87	3.0	#56 Spectropho	2	
0058.HD84937	30	03:23	09:48:56.1	+13:44:39	600	87	3.0	#56 Spectropho	2	
0059.HD84937	30	03:24	09:48:56.1	+13:44:39	600	87	3.0	#56 Spectropho	2	
0060.COMP	10	03:25	09:48:56.1	+13:44:39	600	87	3.0	0 Calibration	2	
0061.snASASSNet	1800	03:33	10:20:01.7	+56:27:40	600	87	3.0	#225 SLSNe and	2	
0062.snASASSNet	1800	04:04	10:20:01.7	+56:27:40	600	87	3.0	#225 SLSNe and	2	
0063.COMP	10	04:35	10:20:01.7	+56:27:40	600	87	3.0	0 Calibration	2	
0064.COMP	10	05:11	13:23:07.2	+52:38:57	600	85	1.5	0 Calibration	4	
0065.j1023m02	1620	05:19	10:23:39.0	-02:51:23	600	85	1.5	#178 Low Mass	4	

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0066.COMP	10	05:46	10:23:39.0	-02:51:23	600	85	1.5	0 Calibration	4	
0067.j1019p12	1620	05:50	10:19:54.6	+12:17:18	600	88	1.5	#178 Low Mass	4	
0068.COMP	10	06:17	10:19:54.6	+12:17:18	600	88	1.5	0 Calibration	4	
0069.j1040p53	1680	06:24	10:40:13.0	+53:56:52	600	89	1.5	#178 Low Mass	4	
0070.COMP	10	06:53	10:40:13.0	+53:56:52	600	89	1.5	0 Calibration	4	
0071.j1111p47	540	06:56	11:11:20.7	+47:18:26	600	89	1.5	#178 Low Mass	4	
0072.COMP	10	07:05	11:11:20.7	+47:18:26	600	89	1.5	0 Calibration	4	
0073.Feige34	180	07:07	10:39:36.7	+43:06:09	600	88	1.5	#56 Spectropho	4	
0074.COMP	10	07:11	10:39:36.7	+43:06:09	600	88	1.5	0 Calibration	4	
0075.j1125p44	960	07:17	11:25:29.1	+44:49:46	600	88	1.5	#178 Low Mass	4	
0076.COMP	10	07:33	11:25:29.1	+44:49:46	600	88	1.5	0 Calibration	4	
0077.j1157p51	1140	07:39	11:57:22.4	+51:10:13	600	88	1.5	#178 Low Mass	4	
0078.COMP	10	07:58	11:57:22.4	+51:10:13	600	88	1.5	0 Calibration	4	
0079.ec14369-0823	1140	08:05	14:39:34.1	-08:36:29	600	89	1.5	#178 Low Mass	4	
0080.COMP	10	08:25	14:39:34.1	-08:36:29	600	89	1.5	0 Calibration	4	
0081.ec14380-0747	300	08:27	14:40:41.9	-08:00:20	600	88	1.5	#178 Low Mass	4	
0082.COMP	10	08:32	14:40:41.9	-08:00:20	600	88	1.5	0 Calibration	4	
0083.COMP	10	08:39	14:40:41.9	-08:00:20	300	89	3.0	0 Calibration	2	
0084.COMP	10	08:41	14:40:41.9	-08:00:20	300	89	3.0	0 Calibration	2	
0085.BDp332642	120	08:45	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.BDp332642	120	08:47	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0087.BDp332642	120	08:49	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0088.COMP	10	08:52	15:51:59.9	+32:56:54	300	88	3.0	0 Calibration	2	
0089.BDp262606	90	08:54	14:49:02.4	+25:42:09	300	88	3.0	#56 Spectropho	2	
0090.BDp262606	90	08:56	14:49:02.4	+25:42:09	300	88	3.0	#56 Spectropho	2	
0091.BDp262606	90	08:57	14:49:02.4	+25:42:09	300	88	3.0	#56 Spectropho	2	
0092.COMP	10	09:00	14:49:02.4	+25:42:09	300	88	3.0	0 Calibration	2	
0093.snPTSS16efwk	1800	09:08	17:35:37.8	+08:48:32	300	88	3.0	#2 SN Observat	2	
0094.snPTSS16efwk	1800	09:39	17:35:37.8	+08:48:32	300	88	3.0	#2 SN Observat	2	
0095.COMP	10	10:09	17:35:37.8	+08:48:32	300	88	3.0	0 Calibration	2	
0096.sn2016ccj	1800	10:20	17:10:23.9	+26:23:48	300	81	3.0	#2 SN Observat	2	
0097.sn2016ccj	1800	10:50	17:10:23.9	+26:23:48	300	81	3.0	#2 SN Observat	2	
0098.COMP	10	11:21	17:10:23.9	+26:23:48	300	81	3.0	0 Calibration	2	
0099.BFCyg	15	11:27	19:23:53.0	+29:40:27	300	80	3.0	#12 Symbiotic	2	
0100.BFCyg	15	11:27	19:23:53.0	+29:40:27	300	80	3.0	#12 Symbiotic	2	
0101.COMP	10	11:29	19:23:53.0	+29:40:27	300	80	3.0	0 Calibration	2	
0102-0111.BIAS	0	11:34	19:23:53.0	+29:40:27	300	80	3.0	0 Calibration	4	
0112-0121.FLAT	4	11:36	19:23:53.0	+29:40:27	300	80	3.0	0 Calibration	4	
0122-0131.BIAS	0	11:39	19:23:53.0	+29:40:27	300	80	3.0	0 Calibration	2	
0132-0146.FLAT	7	11:43	19:23:53.0	+29:40:27	300	80	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>
0147-0151.DARK	900	12:58	19:23:53.0	+29:40:27	300	80	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	00:02	19:23:53.0	+29:40:27	300	80	3.0	0 Calibration	4	
0011-0020.FLAT	4	00:04	19:23:53.0	+29:40:27	300	80	3.0	0 Calibration	4	
0021-0030.BIAS	0	00:06	19:23:53.0	+29:40:27	300	80	3.0	0 Calibration	2	
0031-0045.FLAT	7	00:11	19:23:53.0	+29:40:27	300	80	3.0	0 Calibration	2	
0046-0050.DARK	900	01:13	19:23:53.0	+29:40:27	300	80	3.0	0 Calibration	2	
0051.COMP	10	02:52	19:23:53.0	+29:40:27	300	80	3.0	0 Calibration	2	
0052.Feige34	180	03:10	10:39:36.7	+43:06:09	300	80	3.0	#56 Spectropho	2	
0053.Feige34	180	03:15	10:39:36.7	+43:06:09	300	81	3.0	#56 Spectropho	2	
0054.Feige34	180	03:18	10:39:36.7	+43:06:09	300	81	3.0	#56 Spectropho	2	
0055.Feige34	180	03:21	10:39:36.7	+43:06:09	300	81	3.0	#56 Spectropho	2	
0056.COMP	10	03:25	10:39:36.7	+43:06:09	300	81	3.0	0 Calibration	2	
0057.HD84937	30	03:28	09:48:56.1	+13:44:39	300	81	3.0	#56 Spectropho	2	
0058.HD84937	30	03:29	09:48:56.1	+13:44:39	300	81	3.0	#56 Spectropho	2	
0059.HD84937	30	03:29	09:48:56.1	+13:44:39	300	81	3.0	#56 Spectropho	2	
0060.COMP	10	03:31	09:48:56.1	+13:44:39	300	81	3.0	0 Calibration	2	
0061.sn2016bkv	1800	03:38	10:18:19.3	+41:25:39	300	86	3.0	#2 SN Observat	2	
0062.sn2016bkv	838	04:08	10:18:19.3	+41:25:39	300	86	3.0	#2 SN Observat	2	
0063.sn2016bkv	1800	04:25	10:18:19.3	+41:25:39	300	86	3.0	#2 SN Observat	2	
0064.sn2016bkv	1800	04:55	10:18:19.3	+41:25:39	300	86	3.0	#2 SN Observat	2	
0065.COMP	10	05:26	10:18:19.3	+41:25:39	300	86	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0066.AGDra	2	05:35	16:01:41.0	+66:48:10	300	86	3.0	#12 Symbiotic	2	
0067.AGDra	15	05:36	16:01:41.0	+66:48:10	300	86	3.0	#12 Symbiotic	2	
0068.AGDra	60	05:36	16:01:41.0	+66:48:10	300	86	3.0	#12 Symbiotic	2	
0069.COMP	10	05:37	16:01:41.0	+66:48:10	300	86	3.0	0 Calibration	2	
0070.DracoC1	1200	05:43	17:19:58.0	+57:50:06	300	86	3.0	#12 Symbiotic	2	
0071.COMP	10	06:03	17:19:58.0	+57:50:06	300	86	3.0	0 Calibration	2	
0072.Feige34	180	06:14	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0073.COMP	10	06:18	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0074.COMP	10	06:24	13:32:14.2	+84:40:42	300	88	3.0	0 Calibration	2	
0075.COMP	10	06:25	13:32:14.2	+84:40:42	600	88	1.5	0 Calibration	4	
0076.BIAS	0	06:29	13:32:14.2	+84:40:42	600	88	1.5	0 Calibration	4	
0077.BDp332642	120	06:39	15:51:59.9	+32:56:54	600	88	1.5	#56 Spectropho	4	
0078.BDp332642	120	06:41	15:51:59.9	+32:56:54	600	88	1.5	#56 Spectropho	4	
0079.BDp332642	120	06:43	15:51:59.9	+32:56:54	600	88	1.5	#56 Spectropho	4	
0080.COMP	10	06:45	15:51:59.9	+32:56:54	600	88	1.5	0 Calibration	4	
0081.ec14142-1736	1620	06:51	14:16:58.0	-17:50:37	600	88	1.5	#178 Low Mass	4	
0082.COMP	10	07:18	14:16:58.0	-17:50:37	600	88	1.5	0 Calibration	4	
0083.ec14002-1833	240	07:22	14:03:00.1	-18:48:16	600	89	1.5	#178 Low Mass	4	
0084.COMP	10	07:27	14:03:00.1	-18:48:16	600	89	1.5	0 Calibration	4	
0085.ec14102-1337	600	07:29	14:13:00.2	-13:51:35	600	89	1.5	#178 Low Mass	4	

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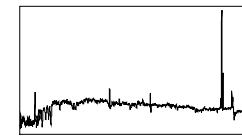
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.COMP	10	07:40	14:13:00.2	-13:51:35	600	89	1.5	0 Calibration	4	
0087.ec14398-1241	480	07:54	14:42:36.4	-12:54:36	600	89	1.5	#178 Low Mass	4	
0088.COMP	10	08:02	14:42:36.4	-12:54:36	600	89	1.5	0 Calibration	4	
0089.j1510p44	360	08:35	15:10:00.4	+44:08:04	600	89	1.5	#178 Low Mass	4	
0090.COMP	10	08:41	15:10:00.4	+44:08:04	600	89	1.5	0 Calibration	4	
0091.j1533p37	180	08:46	15:33:49.4	+37:59:28	600	87	1.5	#178 Low Mass	4	
0092.COMP	10	08:50	15:33:49.4	+37:59:28	600	87	1.5	0 Calibration	4	
0093.j1546p00	420	08:58	15:46:42.8	+00:45:28	600	87	1.5	#178 Low Mass	4	
0094.COMP	10	09:05	15:46:42.8	+00:45:28	600	87	1.5	0 Calibration	4	
0095.j1547p24	720	09:08	15:47:54.5	+24:20:40	600	88	1.5	#178 Low Mass	4	
0096.COMP	10	09:21	15:47:54.5	+24:20:40	600	88	1.5	0 Calibration	4	
0097.j1521p47	600	09:37	15:21:54.0	+47:37:29	600	88	1.5	#178 Low Mass	4	
0098.COMP	10	09:47	15:21:54.0	+47:37:29	600	88	1.5	0 Calibration	4	
0099.COMP	10	09:53	15:21:54.0	+47:37:29	300	88	3.0	0 Calibration	2	
0100.COMP	10	09:54	15:21:54.0	+47:37:29	300	88	3.0	0 Calibration	2	
0101.COMP	10	09:56	15:21:54.0	+47:37:29	300	88	3.0	0 Calibration	2	
0102.BDp332642	120	09:59	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0103.COMP	10	10:02	15:51:59.9	+32:56:54	300	88	3.0	0 Calibration	2	
0104.sn2016ccj	1113	10:19	17:10:23.9	+26:23:48	300	88	3.0	#2 SN Observat	2	
0104.sn2016ccjq.ms	1113	10:19	17:10:23.9	+26:23:48	300	88	3.0	#2 SN Observat	1	

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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>
0105.COMP	10	10:38	17:10:23.9	+26:23:48	300	88	3.0	0 Calibration	2	
0106.sn2016ccj	1800	10:40	17:10:23.9	+26:23:48	300	88	3.0	#2 SN Observat	2	
0107.COMP	10	11:11	17:10:23.9	+26:23:48	300	88	3.0	0 Calibration	2	
0108.CICyg	4	11:14	19:50:12.0	+35:41:02	300	86	3.0	#12 Symbiotic	2	
0109.CICyg	15	11:14	19:50:12.0	+35:41:02	300	86	3.0	#12 Symbiotic	2	
0110.COMP	10	11:15	19:50:12.0	+35:41:02	300	86	3.0	0 Calibration	2	
0111.AS360	60	11:18	19:45:49.0	+18:36:49	300	86	3.0	#12 Symbiotic	2	
0112.AS360	300	11:19	19:45:49.0	+18:36:49	300	86	3.0	#12 Symbiotic	2	
0113.COMP	10	11:24	19:45:49.0	+18:36:49	300	86	3.0	0 Calibration	2	
0114.HMSge	1	11:27	19:41:57.0	+16:44:41	300	86	3.0	#12 Symbiotic	2	
0115.HMSge	10	11:27	19:41:57.0	+16:44:41	300	86	3.0	#12 Symbiotic	2	
0116.HMSge	60	11:27	19:41:57.0	+16:44:41	300	86	3.0	#12 Symbiotic	2	
0117.COMP	10	11:29	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	2	
0118-0127.BIAS	0	11:34	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	4	
0128-0137.FLAT	4	11:36	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	4	
0138-0147.BIAS	0	11:38	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	2	
0148-0162.FLAT	7	11:43	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	2	
0163-0167.DARK	900	12:52	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	00:03	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	2	
0002-0011.BIAS	0	00:08	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	4	
0012-0021.FLAT	4	00:10	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	4	
0022-0031.BIAS	0	00:12	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	2	
0032-0046.FLAT	7	00:16	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	2	
0047-0057.FLAT	12	00:30	19:41:57.0	+16:44:41	600	86	1.5	0 Calibration	4	
0058.COMP	10	00:36	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	2	
0059.COMP	10	00:37	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	2	
0060.COMP	10	00:39	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	2	
0061.COMP	10	00:41	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	2	
0062-0066.DARK	900	01:45	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	2	
0067.COMP	10	02:48	19:41:57.0	+16:44:41	300	86	3.0	0 Calibration	2	
0068.Feige34	180	03:11	10:39:36.7	+43:06:09	300	85	3.0	#56 Spectropho	2	
0069.Feige34	180	03:16	10:39:36.7	+43:06:09	300	85	3.0	#56 Spectropho	2	
0070.COMP	10	03:20	10:39:36.7	+43:06:09	300	85	3.0	0 Calibration	2	
0071.Feige34	180	03:23	10:39:36.7	+43:06:09	300	85	3.0	#56 Spectropho	2	
0072.Feige34	180	03:28	10:39:36.7	+43:06:09	300	85	3.0	#56 Spectropho	2	
0073.Feige34	180	03:31	10:39:36.7	+43:06:09	300	85	3.0	#56 Spectropho	2	
0074.COMP	10	03:35	10:39:36.7	+43:06:09	300	85	3.0	0 Calibration	2	
0075.HD84937	30	03:38	09:48:56.1	+13:44:39	300	85	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.HD84937	30	03:39	09:48:56.1	+13:44:39	300	85	3.0	#56 Spectropho	2	
0077.HD84937	30	03:39	09:48:56.1	+13:44:39	300	85	3.0	#56 Spectropho	2	
0078.COMP	10	03:41	09:48:56.1	+13:44:39	300	85	3.0	0 Calibration	2	
0079.snASASSN-16fa	1800	03:46	11:25:35.7	+32:19:17	300	85	3.0	#220 ASASSN Tr	2	
0080.snASASSN-16fa	1800	04:17	11:25:35.7	+32:19:17	300	85	3.0	#220 ASASSN Tr	2	
0081.snASASSN-16fa	1525	04:47	11:25:35.7	+32:19:17	300	85	3.0	#220 ASASSN Tr	2	
0082.snASASSN-16fa	1800	05:13	11:25:35.7	+32:19:17	300	85	3.0	#220 ASASSN Tr	2	
0083.COMP	10	05:44	11:25:35.7	+32:19:17	300	85	3.0	0 Calibration	2	
0084.COMP	10	05:50	11:25:35.7	+32:19:17	300	89	1.5	0 Calibration	4	
0085.Feige34	180	05:53	10:39:36.7	+43:06:09	300	89	1.5	#56 Spectropho	4	
0086.Feige34	180	05:56	10:39:36.7	+43:06:09	300	89	1.5	#56 Spectropho	4	
0087.Feige34	180	05:59	10:39:36.7	+43:06:09	300	89	1.5	#56 Spectropho	4	
0088.COMP	10	06:03	10:39:36.7	+43:06:09	300	89	1.5	0 Calibration	4	
0089.Feige34	180	06:03	10:39:36.7	+43:06:09	300	89	1.5	#56 Spectropho	4	
0090.j1248p41	1200	06:12	12:48:47.6	+41:53:09	300	89	1.5	#178 Low Mass	4	
0091.COMP	10	06:32	12:48:47.6	+41:53:09	300	89	1.5	0 Calibration	4	
0092.j1323p31	1440	06:42	13:23:00.3	+31:07:51	300	88	1.5	#178 Low Mass	4	
0093.COMP	10	07:06	13:23:00.3	+31:07:51	300	88	1.5	0 Calibration	4	
0094.j1350p24	1020	07:10	13:50:32.4	+24:34:15	300	88	1.5	#178 Low Mass	4	
0095.COMP	10	07:27	13:50:32.4	+24:34:15	300	88	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0096.j1352p30	900	07:29	13:52:11.3	+30:12:34	300	88	1.5	#178 Low Mass	4	
0097.COMP	10	07:45	13:52:11.3	+30:12:34	300	88	1.5	0 Calibration	4	
0098.j1414p54	1320	07:48	14:14:20.4	+54:03:47	300	87	1.5	#178 Low Mass	4	
0099.COMP	10	08:10	14:14:20.4	+54:03:47	300	87	1.5	0 Calibration	4	
0100.j1415p42	1080	08:15	14:15:49.0	+42:58:48	300	87	1.5	#178 Low Mass	4	
0101.COMP	10	08:33	14:15:49.0	+42:58:48	300	87	1.5	0 Calibration	4	
0102.j1415p53	1380	08:38	14:15:49.3	+53:36:39	300	87	1.5	#178 Low Mass	4	
0103.COMP	10	09:01	14:15:49.3	+53:36:39	300	87	1.5	0 Calibration	4	
0104.j1446p48	660	09:05	14:46:01.0	+48:30:58	300	88	1.5	#178 Low Mass	4	
0105.COMP	10	09:16	14:46:01.0	+48:30:58	300	88	1.5	0 Calibration	4	
0106.j1446p34	960	09:33	14:46:59.9	+34:53:07	300	88	1.5	#178 Low Mass	4	
0107.COMP	10	09:50	14:46:59.9	+34:53:07	300	88	1.5	0 Calibration	4	
0108.COMP	10	09:56	14:46:59.9	+34:53:07	600	88	3.0	0 Calibration	2	
0109.COMP	10	09:58	14:46:59.9	+34:53:07	600	88	3.0	0 Calibration	2	
0110.COMP	10	10:00	14:46:59.9	+34:53:07	600	88	3.0	0 Calibration	2	
0111.BDp332642	120	10:03	15:51:59.9	+32:56:54	600	88	3.0	#56 Spectropho	2	
0112.BDp332642	120	10:05	15:51:59.9	+32:56:54	600	88	3.0	#56 Spectropho	2	
0113.BDp332642	120	10:08	15:51:59.9	+32:56:54	600	88	3.0	#56 Spectropho	2	
0114.COMP	10	10:10	15:51:59.9	+32:56:54	600	88	3.0	0 Calibration	2	
0115.BDp262606	90	10:12	14:49:02.4	+25:42:09	600	88	3.0	#56 Spectropho	2	

UT Date 2016-05-13 Observers Ste OBrienColl. Focus 1320 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>
0116.BDp262606	90	10:14	14:49:02.4	+25:42:09	600	88	3.0	#56 Spectropho	2	
0117.BDp262606	90	10:15	14:49:02.4	+25:42:09	600	88	3.0	#56 Spectropho	2	
0118.COMP	10	10:17	14:49:02.4	+25:42:09	600	88	3.0	0 Calibration	2	
0119.AS338	90	10:22	19:03:47.0	+16:26:17	600	88	3.0	#12 Symbiotic	2	
0120.AS338	600	10:24	19:03:47.0	+16:26:17	600	88	3.0	#12 Symbiotic	2	
0121.COMP	10	10:34	19:03:47.0	+16:26:17	600	88	3.0	0 Calibration	2	
0122.BRUTUS7521_8	1800	10:39	22:38:22.5	+42:35:57	600	88	3.0	#220 ASASSN Tr	2	
0123.BRUTUS7521_8	1193	11:09	22:38:22.5	+42:35:57	600	88	3.0	#220 ASASSN Tr	2	
0124.COMP	10	11:30	22:38:22.5	+42:35:57	600	88	3.0	0 Calibration	2	
0125-0134.BIAS	0	11:37	22:38:22.5	+42:35:57	600	88	3.0	0 Calibration	4	
0135-0144.FLAT	4	11:39	22:38:22.5	+42:35:57	600	88	3.0	0 Calibration	4	
0145-0154.BIAS	0	11:41	22:38:22.5	+42:35:57	600	88	3.0	0 Calibration	2	
0155-0169.FLAT	7	11:46	22:38:22.5	+42:35:57	600	88	3.0	0 Calibration	2	
0170-0174.DARK	900	13:01	22:38:22.5	+42:35:57	600	88	3.0	0 Calibration	2	

UT Date 2016-06-01 Observers M. CalkinsColl. Focus 1320 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0002-0009.DARK	900	02:45	10:09:28.8	+31:35:21	600	88	3.0	0 Calibration	4	
0010-0019.BIAS	0	03:04	10:09:28.8	+31:35:21	600	88	3.0	0 Calibration	4	
0020-0040.FLAT	7	03:15	10:09:28.8	+31:35:21	600	88	3.0	0 Calibration	2	
0041-0050.BIAS	0	03:20	10:09:28.8	+31:35:21	600	88	3.0	0 Calibration	2	
0051.Feige34	180	04:13	10:39:36.7	+43:06:09	600	88	3.0	#56 Spectropho	2	
0052.COMP	10	04:20	10:39:36.7	+43:06:09	600	86	3.0	0 Calibration	2	
0053.BDp262606	90	05:19	14:49:02.4	+25:42:09	600	86	3.0	#56 Spectropho	2	
0054.COMP	10	05:21	14:49:02.4	+25:42:09	600	86	3.0	0 Calibration	2	
0055.BDp332642	150	05:22	15:51:59.9	+32:56:54	600	86	3.0	#56 Spectropho	2	
0056.COMP	10	05:26	15:51:59.9	+32:56:54	600	86	3.0	0 Calibration	2	
0057.N5866	240	05:29	15:06:29.5	+55:45:48	600	86	3.0	#57 Velocity S	2	
0058.COMP	10	05:34	15:06:29.5	+55:45:48	600	82	3.0	0 Calibration	2	
0059.snGaia16apd	2400	05:37	12:02:51.7	+44:15:27	600	82	3.0	#2 SN Observat	2	
0060.COMP	10	06:17	12:02:51.7	+44:15:27	600	88	3.0	0 Calibration	2	
0061.snASASSN-16fq	1500	06:22	11:20:19.1	+12:58:57	600	9	3.0	#220 ASASSN Tr	2	
0062.COMP	10	06:47	11:20:19.1	+12:58:57	600	2	3.0	0 Calibration	2	
0063-0072.DARK	900	12:59	12:08:06.8	+65:10:38	600	89	3.0	0 Calibration	2	