

UT Date 2016-09-02 Observers M CalkinsColl. Focus 1320 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	900	02:34	16:30:29.3	+31:32:17	300	89	3.0	0 Calibration	4	
0008-0017.BIAS	0	02:53	16:30:29.3	+31:32:17	300	89	3.0	0 Calibration	4	
0018-0037.FLAT	7	03:00	16:30:29.3	+31:32:17	300	89	3.0	0 Calibration	2	
0038-0047.BIAS	0	03:02	16:30:29.3	+31:32:17	300	89	3.0	0 Calibration	2	
0048.BDp332642	120	03:12	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0049.COMP	10	03:18	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0050.BDp284211	90	03:53	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0051.COMP	10	03:55	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0052.BDp174708	40	04:12	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0053.COMP	10	04:14	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0054.N7331	180	04:17	22:37:04.1	+34:24:56	300	89	3.0	#57 Velocity S	2	
0055.COMP	10	04:22	22:37:04.1	+34:24:56	300	89	3.0	0 Calibration	2	
0056.snASASSN-16hr	1800	04:36	22:25:31.8	+38:59:04	300	100	3.0	#220 ASASSN Tr	2	
0057.COMP	10	05:08	22:25:31.8	+38:59:04	300	100	3.0	0 Calibration	2	
0058.snASASSN-16hz	1800	05:13	23:15:45.5	-01:20:24	300	90	3.0	#220 ASASSN Tr	2	
0059.COMP	10	05:44	23:15:45.5	-01:20:24	300	90	3.0	0 Calibration	2	
0060.snAT2016flu	1800	05:47	23:47:11.6	+10:05:00	300	90	3.0	#220 ASASSN Tr	2	
0061.COMP	10	06:18	23:47:11.6	+10:05:00	300	90	3.0	0 Calibration	2	
0062.iPTF16fnl	1800	06:24	00:29:57.0	+32:53:37	300	91	3.0	#220 ASASSN Tr	2	
0063.COMP	10	06:54	00:29:57.0	+32:53:37	300	91	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.snAT2016eoa	1800	07:00	00:21:23.1	+22:26:08	300	91	3.0	#220 ASASSN Tr	2	
0065.COMP	10	07:31	00:21:23.1	+22:26:08	300	90	3.0	0 Calibration	2	
0066.snGaia16bba	1800	07:36	01:01:35.5	+17:06:04	300	90	3.0	#220 ASASSN Tr	2	
0067.COMP	10	08:09	01:01:35.5	+17:06:04	300	90	3.0	0 Calibration	2	
0068.snAT2016fbk	1800	08:11	01:44:06.6	+34:22:58	300	90	3.0	#220 ASASSN Tr	2	
0069.snAT2016fbk	1800	08:42	01:44:06.6	+34:22:58	300	90	3.0	#220 ASASSN Tr	2	
0070.COMP	10	09:12	01:44:06.6	+34:22:58	300	90	3.0	0 Calibration	2	
0071.ec23059-1844	469	09:21	23:08:36.9	-18:27:55	600	90	1.5	#178 Low Mass	4	
0072.COMP	10	09:30	23:08:36.9	-18:27:55	600	90	1.5	0 Calibration	4	
0073.ec23137-2408	414	09:36	23:16:21.9	-23:52:19	600	90	1.5	#178 Low Mass	4	
0074.COMP	10	09:43	23:16:21.9	-23:52:19	600	90	1.5	0 Calibration	4	
0075.ec23177-1825	226	09:46	23:20:23.8	-18:09:05	600	90	1.5	#178 Low Mass	4	
0076.COMP	10	09:50	23:20:23.8	-18:09:05	600	90	1.5	0 Calibration	4	
0077.ec23205-1832	476	09:52	23:23:08.2	-18:15:46	600	90	1.5	#178 Low Mass	4	
0078.COMP	10	10:00	23:23:08.2	-18:15:46	600	90	1.5	0 Calibration	4	
0079-0088.FLAT	12	10:09	23:19:58.4	-05:09:56	600	90	1.5	0 Calibration	4	
0089-0098.BIAS	0	12:01	23:19:58.4	-05:09:56	600	90	1.5	0 Calibration	4	
0099-0108.DARK	900	14:20	23:19:58.4	-05:09:56	600	90	1.5	0 Calibration	2	

UT Date 2016-09-03 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

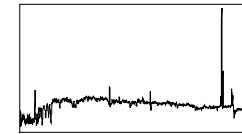
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	01:47	09:55:56.9	+26:30:55	600	91	1.5	0 Calibration	4	
0011-0020.BIAS	0	02:04	09:55:56.9	+26:30:55	600	91	1.5	0 Calibration	4	
0021-0040.FLAT	7	02:23	09:55:56.9	+26:30:55	300	91	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:26	09:55:56.9	+26:30:55	300	91	3.0	0 Calibration	2	
0051.snAT2016ews	1800	02:51	15:02:36.6	+23:21:10	300	90	3.0	#220 ASASSN Tr	2	
0052.snAT2016ews	1800	03:34	15:02:36.6	+23:21:10	300	90	3.0	#220 ASASSN Tr	2	
0053.COMP	10	04:05	15:02:36.6	+23:21:10	300	90	3.0	0 Calibration	2	
0054.BDp284211	100	04:13	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0055.COMP	10	04:15	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0056.BDp174708	30	05:07	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0057.COMP	10	05:08	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0058.j2238	720	05:23	22:38:31.9	+12:53:18	600	90	1.5	#178 Low Mass	4	
0059.COMP	10	05:36	22:38:31.9	+12:53:18	600	90	1.5	0 Calibration	4	
0060.j2238	720	05:37	22:38:31.9	+12:53:18	600	90	1.5	#178 Low Mass	4	
0061.COMP	10	05:49	22:38:31.9	+12:53:18	600	90	1.5	0 Calibration	4	
0062.j2238	720	05:50	22:38:31.9	+12:53:18	600	90	1.5	#178 Low Mass	4	
0063.COMP	10	06:07	22:38:31.9	+12:53:18	600	90	1.5	0 Calibration	4	
0064.j2238	720	06:08	22:38:31.9	+12:53:18	600	90	1.5	#178 Low Mass	4	
0065.COMP	10	06:21	22:38:31.9	+12:53:18	600	90	1.5	0 Calibration	4	
0066.j2238	720	06:22	22:38:31.9	+12:53:18	600	90	1.5	#178 Low Mass	4	

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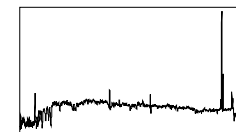
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.COMP	10	06:35	22:38:31.9	+12:53:18	600	90	1.5	0 Calibration	4	
0068.j2238	720	06:36	22:38:31.9	+12:53:18	600	90	1.5	#178 Low Mass	4	
0069.COMP	10	06:49	22:38:31.9	+12:53:18	600	91	1.5	0 Calibration	4	
0070.j2238	720	06:50	22:38:31.9	+12:53:18	600	91	1.5	#178 Low Mass	4	
0071.COMP	10	07:03	22:38:31.9	+12:53:18	600	91	1.5	0 Calibration	4	
0072.j2238	720	07:03	22:38:31.9	+12:53:18	600	89	1.5	#178 Low Mass	4	
0073.COMP	10	07:16	22:38:31.9	+12:53:18	600	89	1.5	0 Calibration	4	
0074.j2238	720	07:17	22:38:31.9	+12:53:18	600	89	1.5	#178 Low Mass	4	
0075.COMP	10	07:29	22:38:31.9	+12:53:18	600	90	1.5	0 Calibration	4	
0076.j2238	720	07:30	22:38:31.9	+12:53:18	600	90	1.5	#178 Low Mass	4	
0077.COMP	10	07:43	22:38:31.9	+12:53:18	600	90	1.5	0 Calibration	4	
0078.BDp284211	120	07:45	21:51:11.0	+28:51:50	600	90	1.5	#56 Spectropho	4	
0079.COMP	10	07:47	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0080.ec21263-1411	1200	07:51	21:29:02.6	-13:57:59	600	90	1.5	#178 Low Mass	4	
0081.COMP	10	08:12	21:29:02.6	-13:57:59	600	90	1.5	0 Calibration	4	
0082.ec23348-2254	500	08:14	23:37:29.0	-22:37:33	600	90	1.5	#178 Low Mass	4	
0083.COMP	10	08:23	23:37:29.0	-22:37:33	600	90	1.5	0 Calibration	4	
0084.ec21327-1646	300	08:27	21:35:29.4	-16:32:42	600	90	1.5	#178 Low Mass	4	
0085.COMP	10	08:33	21:35:29.4	-16:32:42	600	89	1.5	0 Calibration	4	
0086.ec23231-2352	720	08:36	23:25:47.3	-23:35:51	600	89	1.5	#178 Low Mass	4	

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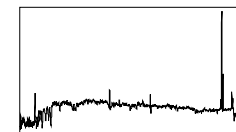
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.COMP	10	08:49	23:25:47.3	-23:35:51	600	89	1.5	0 Calibration	4	
0088.ec23455-1715	36	08:50	23:48:09.9	-16:58:54	600	89	1.5	#178 Low Mass	4	
0089.COMP	10	08:52	23:48:09.9	-16:58:54	600	90	1.5	0 Calibration	4	
0090.ec23473-2340	259	08:53	23:49:57.6	-23:23:54	600	90	1.5	#178 Low Mass	4	
0091.COMP	10	09:00	23:49:57.6	-23:23:54	600	90	1.5	0 Calibration	4	
0092.ec00082-2054	1800	09:02	00:10:46.4	-20:38:17	600	90	1.5	#178 Low Mass	4	
0093.COMP	10	09:33	00:10:46.4	-20:38:17	600	89	1.5	0 Calibration	4	
0094.ec00203-2225	1500	09:36	00:22:50.5	-22:08:57	600	89	1.5	#178 Low Mass	4	
0095.COMP	10	10:02	00:22:50.5	-22:08:57	600	89	1.5	0 Calibration	4	
0096.ec02296-2030	1300	10:05	02:31:57.3	-20:17:00	600	89	1.5	#178 Low Mass	4	
0097.COMP	10	10:28	02:31:57.3	-20:17:00	600	89	1.5	0 Calibration	4	
0098.ec02387-1912	73	10:29	02:41:03.9	-19:00:11	600	89	1.5	#178 Low Mass	4	
0099.COMP	10	10:31	02:41:03.9	-19:00:11	600	89	1.5	0 Calibration	4	
0100.ec02390-2038	622	10:34	02:41:19.7	-20:25:57	600	89	1.5	#178 Low Mass	4	
0101.COMP	10	10:45	02:41:19.7	-20:25:57	600	89	1.5	0 Calibration	4	
0102.ec02503-2152	1500	10:47	02:52:34.6	-21:40:23	600	89	1.5	#178 Low Mass	4	
0103.COMP	10	11:12	02:52:34.6	-21:40:23	600	89	1.5	0 Calibration	4	
0104-0113.FLAT	12	11:17	02:52:34.6	-21:40:23	600	89	1.5	0 Calibration	4	
0114.COMP	5	11:21	02:52:34.6	-21:40:23	300	89	3.0	0 Calibration	4	test
0115.iPTF16fn1	1200	11:25	00:29:57.0	+32:53:37	300	89	3.0	#220 ASASSN Tr	2	

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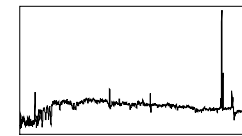
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0116.COMP	10	11:45	00:29:57.0	+32:53:37	300	90	3.0	0 Calibration	2	
0117.ZAnd	1	11:51	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0118.ZAnd	5	11:51	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0119.ZAnd	30	11:52	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0120.COMP	10	11:52	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0121.EGAnd	1	11:55	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0122.EGAnd	5	11:55	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0123.EGAnd	10	11:55	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0124.COMP	10	11:56	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0125.AXPer	4	11:58	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0126.AXPer	30	11:58	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0127.AXPer	90	11:59	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0128.COMP	10	12:01	01:36:23.0	+54:15:03	300	90	3.0	0 Calibration	2	
0129.G191B2B	180	12:05	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0130.COMP	10	12:08	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0131.HD19445	10	12:10	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0132.COMP	10	12:11	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0133-0142.BIAS	0	12:14	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0143-0162.FLAT	7	12:20	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0163-0172.DARK	900	14:39	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	

UT Date 2016-09-04 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0009.DARK	900	02:04	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	4	
0010-0019.BIAS	0	02:24	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	4	
0020-0040.FLAT	9	02:39	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:42	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0051.XMM_TDE	900	02:52	14:46:05.2	+68:57:31	300	-46	3.0	#225 SLSNe and	2	
0052.XMM_TDE	900	03:07	14:46:05.2	+68:57:31	300	-46	3.0	#225 SLSNe and	2	
0053.COMP	10	03:23	14:46:05.2	+68:57:31	300	-46	3.0	0 Calibration	2	
0054.BDp262606	35	03:31	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0055.COMP	10	03:33	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0056.snATLAS16cpu	1800	03:37	15:11:49.5	+46:15:03	300	90	3.0	#220 ASASSN Tr	2	
0057.COMP	10	04:07	15:11:49.5	+46:15:03	300	90	3.0	0 Calibration	2	
0058.BDp332642	120	05:15	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0059.COMP	10	05:18	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0060.DracoC1	1200	05:26	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	2	
0061.COMP	10	05:47	17:19:58.0	+57:50:06	300	88	3.0	0 Calibration	2	
0062.YYHer	10	05:53	18:14:34.0	+20:59:19	300	88	3.0	#12 Symbiotic	2	
0063.YYHer	60	05:53	18:14:34.0	+20:59:19	300	88	3.0	#12 Symbiotic	2	
0064.COMP	10	05:54	18:14:34.0	+20:59:19	300	89	3.0	0 Calibration	2	
0065.V443Her	5	05:56	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0066.V443Her	45	05:57	18:22:07.0	+23:27:20	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
0067.V443Her	90	05:58	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0068.COMP	10	06:00	18:22:07.0	+23:27:20	300	89	3.0	0 Calibration	2	
0069.AS338	90	06:02	19:03:47.0	+16:26:17	300	89	3.0	#12 Symbiotic	2	
0070.AS338	600	06:04	19:03:47.0	+16:26:17	300	89	3.0	#12 Symbiotic	2	
0071.COMP	10	06:15	19:03:47.0	+16:26:17	300	89	3.0	0 Calibration	2	
0072.BFCyg	15	06:17	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0073.BFCyg	15	06:17	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0074.COMP	10	06:18	19:23:53.0	+29:40:27	300	87	3.0	0 Calibration	2	
0075.CHCyg	1	06:19	19:24:33.0	+50:14:30	300	87	3.0	#12 Symbiotic	2	
0076.CHCyg	5	06:20	19:24:33.0	+50:14:30	300	87	3.0	#12 Symbiotic	2	
0077.CHCyg	30	06:20	19:24:33.0	+50:14:30	300	87	3.0	#12 Symbiotic	2	
0078.COMP	10	06:21	19:24:33.0	+50:14:30	300	87	3.0	0 Calibration	2	
0079.HMSge	1	06:24	19:41:57.0	+16:44:41	300	87	3.0	#12 Symbiotic	2	
0080.HMSge	10	06:25	19:41:57.0	+16:44:41	300	87	3.0	#12 Symbiotic	2	
0081.HMSge	60	06:25	19:41:57.0	+16:44:41	300	87	3.0	#12 Symbiotic	2	
0082.COMP	10	06:26	19:41:57.0	+16:44:41	300	87	3.0	0 Calibration	2	
0083.AS360	60	06:28	19:45:49.0	+18:36:49	300	87	3.0	#12 Symbiotic	2	
0084.AS360	300	06:30	19:45:49.0	+18:36:49	300	87	3.0	#12 Symbiotic	2	
0085.COMP	10	06:35	19:45:49.0	+18:36:49	300	88	3.0	0 Calibration	2	
0086.CICyg	4	06:37	19:50:12.0	+35:41:02	300	88	3.0	#12 Symbiotic	2	

UT Date 2016-09-04 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.CICyg	15	06:37	19:50:12.0	+35:41:02	300	88	3.0	#12 Symbiotic	2	
0088.COMP	10	06:38	19:50:12.0	+35:41:02	300	88	3.0	0 Calibration	2	
0089.V1016Cyg	1	06:39	19:57:05.0	+39:49:37	300	88	3.0	#12 Symbiotic	2	
0090.V1016Cyg	10	06:40	19:57:05.0	+39:49:37	300	88	3.0	#12 Symbiotic	2	
0091.V1016Cyg	60	06:40	19:57:05.0	+39:49:37	300	88	3.0	#12 Symbiotic	2	
0092.COMP	10	06:41	19:57:05.0	+39:49:37	300	88	3.0	0 Calibration	2	
0093.PUVul	1	06:44	20:21:13.0	+21:34:21	300	88	3.0	#12 Symbiotic	2	
0094.PUVul	10	06:44	20:21:13.0	+21:34:21	300	88	3.0	#12 Symbiotic	2	
0095.PUVul	60	06:44	20:21:13.0	+21:34:21	300	88	3.0	#12 Symbiotic	2	
0096.COMP	10	06:46	20:21:13.0	+21:34:21	300	88	3.0	0 Calibration	2	
0097.V1515Cyg	600	06:48	20:23:48.0	+42:12:24	300	88	3.0	#12 Symbiotic	2	
0098.COMP	10	06:59	20:23:48.0	+42:12:24	300	88	3.0	0 Calibration	2	
0099.V1329Cyg	20	07:01	20:51:01.0	+35:34:55	300	88	3.0	#12 Symbiotic	2	
0100.V1329Cyg	120	07:01	20:51:01.0	+35:34:55	300	88	3.0	#12 Symbiotic	2	
0101.COMP	10	07:04	20:51:01.0	+35:34:55	300	88	3.0	0 Calibration	2	
0102.V1057Cyg	480	07:06	20:58:54.0	+44:15:30	300	88	3.0	#12 Symbiotic	2	
0103.COMP	10	07:15	20:58:54.0	+44:15:30	300	89	3.0	0 Calibration	2	
0104.AGPeg	1	07:17	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0105.AGPeg	10	07:17	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0106.AGPeg	30	07:17	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	

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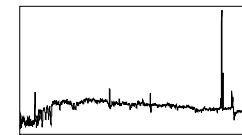
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0107.COMP	10	07:19	21:51:02.0	+12:37:33	300	89	3.0	0 Calibration	2	
0108.iPTF16fnl	1200	07:23	00:29:57.0	+32:53:37	300	90	3.0	#220 ASASSN Tr	2	
0109.COMP	10	07:44	00:29:57.0	+32:53:37	300	90	3.0	0 Calibration	2	
0110.RAqr	1	07:46	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0111.RAqr	5	07:47	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0112.RAqr	10	07:47	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0113.COMP	10	07:48	23:43:49.0	-15:17:05	300	90	3.0	0 Calibration	2	
0114.ec21330-1618	637	07:56	21:35:51.3	-16:05:30	600	90	1.5	#178 Low Mass	4	
0115.COMP	10	08:07	21:35:51.3	-16:05:30	600	88	1.5	0 Calibration	4	
0116.ec22112-1326	1800	08:09	22:13:55.6	-13:12:00	600	88	1.5	#178 Low Mass	4	
0117.COMP	10	08:40	22:13:55.6	-13:12:00	600	88	1.5	0 Calibration	4	
0118.ec22193-1736	1700	08:42	22:22:05.8	-17:21:40	600	88	1.5	#178 Low Mass	4	
0119.COMP	10	09:10	22:22:05.8	-17:21:40	600	88	1.5	0 Calibration	4	
0120.ec22535-1335	720	09:12	22:56:13.0	-13:19:39	600	88	1.5	#178 Low Mass	4	
0121.COMP	10	09:24	22:56:13.0	-13:19:39	600	89	1.5	0 Calibration	4	
0122.ec00269-2150	971	09:27	00:29:26.2	-21:33:41	600	89	1.5	#178 Low Mass	4	
0123.COMP	10	09:43	00:29:26.2	-21:33:41	600	89	1.5	0 Calibration	4	
0124.ec00326-1444	1500	09:46	00:35:08.6	-14:27:58	600	89	1.5	#178 Low Mass	4	
0125.COMP	10	10:11	00:35:08.6	-14:27:58	600	89	1.5	0 Calibration	4	
0126.ec00381-1423	360	10:15	00:40:40.0	-14:06:39	600	89	1.5	#178 Low Mass	4	

UT Date 2016-09-04 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

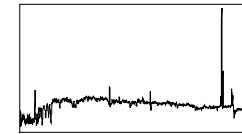
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0127.COMP	10	10:21	00:40:40.0	-14:06:39	600	89	1.5	0 Calibration	4	
0128.ec01164-2242	360	10:23	01:18:51.2	-22:27:14	600	89	1.5	#178 Low Mass	4	
0129.COMP	10	10:30	01:18:51.2	-22:27:14	600	89	1.5	0 Calibration	4	
0130.ec01335-1943	720	10:33	01:35:58.2	-19:28:24	600	89	1.5	#178 Low Mass	4	
0131.COMP	10	10:46	01:35:58.2	-19:28:24	600	89	1.5	0 Calibration	4	
0132.ec02229-1447	720	10:47	02:25:19.8	-14:34:12	600	89	1.5	#178 Low Mass	4	
0133.COMP	10	11:00	02:25:19.8	-14:34:12	600	89	1.5	0 Calibration	4	
0134.ec02567-1716	140	11:02	02:59:01.7	-17:05:00	600	89	1.5	#178 Low Mass	4	
0135.COMP	10	11:05	02:59:01.7	-17:05:00	600	89	1.5	0 Calibration	4	
0136.ec02572-1235	500	11:06	02:59:39.0	-12:23:26	600	89	1.5	#178 Low Mass	4	
0137.COMP	10	11:15	02:59:39.0	-12:23:26	600	88	1.5	0 Calibration	4	
0138.ec03023-1655	400	11:17	03:04:40.1	-16:43:24	600	88	1.5	#178 Low Mass	4	
0139.COMP	10	11:24	03:04:40.1	-16:43:24	600	89	1.5	0 Calibration	4	
0140.G191B2B	420	11:37	05:05:30.6	+52:49:52	600	89	1.5	#56 Spectropho	4	
0141.COMP	10	11:44	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0142.ec03059-2241	960	11:48	03:08:09.7	-22:29:51	600	89	1.5	#178 Low Mass	4	
0143.COMP	10	12:04	03:08:09.7	-22:29:51	600	89	1.5	0 Calibration	4	
0144-0153.BIAS	0	12:07	03:08:09.7	-22:29:51	600	89	1.5	0 Calibration	4	
0154-0163.FLAT	12	12:15	03:08:09.7	-22:29:51	600	89	1.5	0 Calibration	4	
0164.COMP	5	12:26	03:08:09.7	-22:29:51	300	89	3.0	0 Calibration	4	

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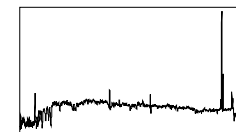
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0165-0174.DARK	900	14:51	03:08:09.7	-22:29:51	300	89	3.0	0 Calibration	2	

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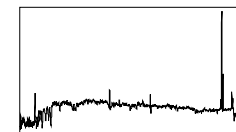
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:54	18:15:00.0	+31:40:00	300	89	3.0	0 Calibration	2	
0011.FLAT	7	01:55	18:15:00.0	+31:40:00	300	89	3.0	0 Calibration	2	300-line, 3-sec
0012-0022.FLAT	7	01:59	18:15:00.0	+31:40:00	300	89	3.0	0 Calibration	2	
0023.FLAT	7	02:00	18:15:00.0	+31:40:00	300	89	3.0	0 Calibration	2	clear skies
0024-0025.FLAT	7	02:00	18:15:00.0	+31:40:00	300	89	3.0	0 Calibration	2	
0026.PS16dsz	1800	03:01	17:38:57.8	+35:19:20	300	89	3.0	#225 SLSNe and	2	
0027.COMP	10	03:32	17:38:57.8	+35:19:20	300	87	3.0	0 Calibration	2	
0028.V919Sgr	60	03:50	19:03:45.0	-16:59:56	300	87	3.0	#12 Symbiotic	2	
0029.V919Sgr	120	03:52	19:03:45.0	-16:59:56	300	87	3.0	#12 Symbiotic	2	
0030.V919Sgr	400	03:55	19:03:45.0	-16:59:56	300	87	3.0	#12 Symbiotic	2	
0031.COMP	10	04:02	19:03:45.0	-16:59:56	300	88	3.0	0 Calibration	2	
0032.BDp332642	120	04:04	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0033.BDp332642.ADCOFF	120	04:09	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0034.COMP	10	04:14	15:51:59.9	+32:56:54	300	88	3.0	0 Calibration	2	
0035.BDp404032.ADCOFF	120	04:17	20:08:24.1	+41:15:04	300	88	3.0	#56 Spectropho	2	
0036.BDp404032	120	04:21	20:08:24.1	+41:15:04	300	88	3.0	#56 Spectropho	2	
0037.COMP	10	04:23	20:08:24.1	+41:15:04	300	88	3.0	0 Calibration	2	
0040.HD192281	5	04:28	20:12:33.1	+40:16:05	300	88	3.0	#56 Spectropho	2	
0041.COMP	10	04:29	20:12:33.1	+40:16:05	300	88	3.0	0 Calibration	2	
0042.BDp284211	150	04:31	21:51:11.0	+28:51:50	300	88	3.0	#56 Spectropho	2	

UT Date 2016-09-05 Observers P BerlindColl. Focus 1360 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0043.COMP	10	04:34	21:51:11.0	+28:51:50	300	88	3.0	0 Calibration	2	
0044.test	10	04:43	20:00:05.7	+30:57:32	600	88	2.0	#228 M Dwarfs	2	
0045.test	10	04:44	20:00:05.7	+30:57:32	600	88	2.0	#228 M Dwarfs	2	
0046.18323330+0404205	360	04:47	18:32:33.3	+04:04:21	600	88	2.0	#228 M Dwarfs	2	600-line, 2-sec, 752 red
0047.18323330+0404205	360	04:54	18:32:33.3	+04:04:21	600	88	2.0	#228 M Dwarfs	2	
0048.COMP	10	05:00	18:32:33.3	+04:04:21	600	88	2.0	0 Calibration	2	
0049.19165762+0509021	15	05:05	19:16:57.6	+05:09:02	600	88	2.0	#228 M Dwarfs	2	
0050.COMP	10	05:06	19:16:57.6	+05:09:02	600	88	2.0	0 Calibration	2	
0051.19192022-0133543	1200	05:10	19:19:20.2	-01:33:54	600	88	2.0	#228 M Dwarfs	2	
0052.COMP	10	05:30	19:19:20.2	-01:33:54	600	87	2.0	0 Calibration	2	
0053.20414099-0333534	1200	05:33	20:41:41.0	-03:33:54	600	87	2.0	#228 M Dwarfs	2	
0054.20414099-0333534	1200	05:53	20:41:41.0	-03:33:54	600	87	2.0	#228 M Dwarfs	2	
0055.20414099-0333534	1200	06:13	20:41:41.0	-03:33:54	600	87	2.0	#228 M Dwarfs	2	
0056.COMP	10	06:34	20:41:41.0	-03:33:54	600	87	2.0	0 Calibration	2	
0057.20414099-0333534	1200	06:34	20:41:41.0	-03:33:54	600	87	2.0	#228 M Dwarfs	2	
0058.20414099-0333534	1200	06:55	20:41:41.0	-03:33:54	600	87	2.0	#228 M Dwarfs	2	
0059.20414099-0333534	1200	07:15	20:41:41.0	-03:33:54	600	87	2.0	#228 M Dwarfs	2	
0060.COMP	10	07:36	20:41:41.0	-03:33:54	600	87	2.0	0 Calibration	2	
0062.BDp174708	90	07:41	22:11:31.4	+18:05:34	600	89	2.0	#228 M Dwarfs	2	use this spectrum file 62
0063.BDp174708	90	07:43	22:11:31.4	+18:05:34	600	89	2.0	#228 M Dwarfs	2	

UT Date 2016-09-05 Observers P BerlindColl. Focus 1360 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.BDp174708	90	07:45	22:11:31.4	+18:05:34	600	89	2.0	#228 M Dwarfs	2	
0065.BDp174708	90	07:48	22:11:31.4	+18:05:34	600	89	2.0	#228 M Dwarfs	2	
0066.COMP	10	07:50	22:11:31.4	+18:05:34	600	89	2.0	0 Calibration	2	
0067.22541111+2527562	1200	07:52	22:54:11.2	+25:27:57	600	89	2.0	#228 M Dwarfs	2	
0068.22541111+2527562	1200	08:13	22:54:11.2	+25:27:57	600	89	2.0	#228 M Dwarfs	2	
0069.22541111+2527562	1200	08:33	22:54:11.2	+25:27:57	600	89	2.0	#228 M Dwarfs	2	
0070.COMP	10	08:53	22:54:11.2	+25:27:57	600	90	2.0	0 Calibration	2	
0071.22581508+6144266	900	08:57	22:58:15.1	+61:44:27	600	90	2.0	#228 M Dwarfs	2	
0072.COMP	10	09:26	22:58:15.1	+61:44:27	600	89	2.0	0 Calibration	2	
0073.02271705+5432479	1200	09:28	02:27:17.1	+54:32:48	600	89	2.0	#228 M Dwarfs	2	
0074.COMP	10	09:49	02:27:17.1	+54:32:48	600	87	2.0	0 Calibration	2	
0075.03062619+1713292	1200	09:51	03:06:26.2	+17:13:29	600	87	2.0	#228 M Dwarfs	2	
0076.03062619+1713292	1200	10:11	03:06:26.2	+17:13:29	600	87	2.0	#228 M Dwarfs	2	
0077.COMP	10	10:41	03:06:26.2	+17:13:29	600	87	2.0	0 Calibration	2	
0078.03390711+2025267	1200	10:42	03:39:07.1	+20:25:27	600	89	2.0	#228 M Dwarfs	2	
0079.COMP	10	11:04	03:39:07.1	+20:25:27	600	89	2.0	0 Calibration	2	
0080.HD19445	10	11:12	03:08:25.6	+26:19:51	600	89	2.0	#228 M Dwarfs	2	
0081.HD19445	10	11:12	03:08:25.6	+26:19:51	600	89	2.0	#228 M Dwarfs	2	
0082.HD19445	10	11:13	03:08:25.6	+26:19:51	600	89	2.0	#228 M Dwarfs	2	
0083.COMP	10	11:13	03:08:25.6	+26:19:51	600	89	2.0	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>
0084.04575862-0506161	1200	11:15	04:57:58.6	-05:06:16	600	89	2.0	#228 M Dwarfs	2	
0085.COMP	10	11:36	04:57:58.6	-05:06:16	600	88	2.0	0 Calibration	2	
0086-0095.FLAT	12	11:44	04:57:58.6	-05:06:16	600	88	2.0	0 Calibration	2	
0096-0105.BIAS	0	11:54	04:57:58.6	-05:06:16	600	88	2.0	0 Calibration	2	
0106-0115.DARK	1200	14:56	04:57:58.6	-05:06:16	600	88	2.0	0 Calibration	2	

UT Date 2016-09-06 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	21:01	04:57:58.6	-05:06:16	600	88	2.0	0 Calibration	2	
0006-0010.DARK	900	22:17	04:57:58.6	-05:06:16	600	88	2.0	0 Calibration	4	
0011.test	10	22:38	18:15:00.0	+31:40:00	300	88	3.0	#57 Velocity S	2	
0012-0021.BIAS	0	01:43	18:15:00.0	+31:40:00	300	88	3.0	0 Calibration	2	
0022.FLAT	7	01:44	18:15:00.0	+31:40:00	300	88	3.0	0 Calibration	2	300-line, 3sec
0023-0036.FLAT	7	01:49	18:15:00.0	+31:40:00	300	88	3.0	0 Calibration	2	
0037.TCrB	15	02:13	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0038.TCrB	30	02:14	15:59:30.0	+25:55:12	300	88	3.0	#12 Symbiotic	2	
0039.COMP	10	02:16	15:59:30.0	+25:55:12	300	88	3.0	0 Calibration	2	
0040.AGDra	10	02:19	16:01:41.0	+66:48:10	300	88	3.0	#12 Symbiotic	2	
0041.AGDra	30	02:20	16:01:41.0	+66:48:10	300	88	3.0	#12 Symbiotic	2	
0042.AGDra	30	02:21	16:01:41.0	+66:48:10	300	88	3.0	#12 Symbiotic	2	
0043.AGDra	60	02:23	16:01:41.0	+66:48:10	300	88	3.0	#12 Symbiotic	2	
0044.COMP	10	02:24	16:01:41.0	+66:48:10	300	88	3.0	0 Calibration	2	
0045.BDp332642	120	02:26	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0046.COMP	10	02:29	15:51:59.9	+32:56:54	300	88	3.0	0 Calibration	2	
0047.RSOph	30	02:32	17:50:13.0	-06:42:30	300	88	3.0	#12 Symbiotic	2	
0049.RSOph	60	02:34	17:50:13.0	-06:42:30	300	88	3.0	#12 Symbiotic	2	
0050.RSOph	150	02:36	17:50:13.0	-06:42:30	300	88	3.0	#12 Symbiotic	2	
0051.COMP	10	02:39	17:50:13.0	-06:42:30	300	88	3.0	0 Calibration	2	

UT Date 2016-09-06 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.AS270	60	02:41	18:05:33.7	-20:20:38	300	88	3.0	#12 Symbiotic	2	
0053.AS270	360	02:42	18:05:33.7	-20:20:38	300	88	3.0	#12 Symbiotic	2	
0054.COMP	10	02:49	18:05:33.7	-20:20:38	300	88	3.0	0 Calibration	2	
0055.AS289	15	02:50	18:12:22.0	-11:40:08	300	88	3.0	#12 Symbiotic	2	
0056.AS289	28	02:50	18:12:22.0	-11:40:08	300	88	3.0	#12 Symbiotic	2	
0057.AS289	180	02:51	18:12:22.0	-11:40:08	300	88	3.0	#12 Symbiotic	2	
0058.COMP	10	02:55	18:12:22.0	-11:40:08	300	88	3.0	0 Calibration	2	
0059.XMM_TDE	1800	03:00	14:46:05.2	+68:57:31	300	45	3.0	#225 SLSNe and	2	
0060.COMP	10	03:31	14:46:05.2	+68:57:31	300	45	3.0	0 Calibration	2	
0061.sn2016esh	1800	03:36	16:04:14.3	+16:41:24	300	89	3.0	#2 SN Observat	2	
0062.COMP	10	04:06	16:04:14.3	+16:41:24	300	89	3.0	0 Calibration	2	
0063.AS296	30	04:10	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0064.AS296	120	04:11	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0065.AS296	15	04:13	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0066.COMP	10	04:14	18:15:07.0	-00:18:52	300	89	3.0	0 Calibration	2	
0067.AS327	30	04:16	18:53:17.0	-24:22:59	300	89	3.0	#12 Symbiotic	2	
0068.AS327	90	04:16	18:53:17.0	-24:22:59	300	89	3.0	#12 Symbiotic	2	
0069.AS327	300	04:18	18:53:17.0	-24:22:59	300	89	3.0	#12 Symbiotic	2	
0070.COMP	10	04:24	18:53:17.0	-24:22:59	300	90	3.0	0 Calibration	2	
0071.V2601Sgr	90	04:25	18:38:02.0	-22:41:53	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
0072.V2601Sgr	300	04:27	18:38:02.0	-22:41:53	300	90	3.0	#12 Symbiotic	2	
0073.COMP	10	04:32	18:38:02.0	-22:41:53	300	90	3.0	0 Calibration	2	
0074.BDp404032	120	04:35	20:08:24.1	+41:15:04	300	90	3.0	#56 Spectropho	2	
0075.COMP	10	04:37	20:08:24.1	+41:15:04	300	90	3.0	0 Calibration	2	
0076.BDp284211	150	04:39	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0077.COMP	10	04:42	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0078.BDp174708	90	04:43	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0079.BDp174708	90	04:45	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0080.BDp174708	90	04:47	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0081.COMP	10	04:49	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0082.COMP	10	04:54	19:31:04.6	-03:06:19	600	90	2.0	0 Calibration	2	
0083.19310458-0306186	1200	04:56	19:31:04.6	-03:06:19	600	90	2.0	#228 M Dwarfs	2	600-line, 2-sec, 752
0084.19310458-0306186	1200	05:17	19:31:04.6	-03:06:19	600	90	2.0	#228 M Dwarfs	2	
0085.19310458-0306186	1200	05:37	19:31:04.6	-03:06:19	600	90	2.0	#228 M Dwarfs	2	
0086.COMP	10	05:59	19:31:04.6	-03:06:19	600	89	2.0	0 Calibration	2	
0087.20000565+3057300	1200	06:01	20:00:05.7	+30:57:32	600	89	2.0	#228 M Dwarfs	2	
0088.20000565+3057300	1200	06:22	20:00:05.7	+30:57:32	600	89	2.0	#228 M Dwarfs	2	
0089.20000565+3057300	1200	06:42	20:00:05.7	+30:57:32	600	89	2.0	#228 M Dwarfs	2	
0090.COMP	10	07:03	20:00:05.7	+30:57:32	600	89	2.0	0 Calibration	2	
0091.BDp174708	90	07:04	22:11:31.4	+18:05:34	600	89	2.0	#228 M Dwarfs	2	use this spectrum 91

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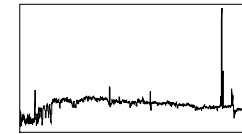
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0092.BDp174708	90	07:07	22:11:31.4	+18:05:34	600	89	2.0	#228 M Dwarfs	2	
0093.BDp174708	90	07:09	22:11:31.4	+18:05:34	600	89	2.0	#228 M Dwarfs	2	
0094.COMP	10	07:11	22:11:31.4	+18:05:34	600	89	2.0	0 Calibration	2	
0095-0104.FLAT	12	07:16	23:30:00.0	+32:00:00	600	89	2.0	0 Calibration	2	
0105.test	10	07:18	23:30:00.0	+32:00:00	300	89	3.0	#228 M Dwarfs	2	
0106.test	10	07:19	23:30:00.0	+32:00:00	300	89	3.0	#228 M Dwarfs	2	
0107.snASASSN-16jw	720	07:22	02:06:51.2	+14:43:22	300	89	3.0	#220 ASASSN Tr	2	
0108.snASASSN-16jw	720	07:34	02:06:51.2	+14:43:22	300	89	3.0	#220 ASASSN Tr	2	
0109.snASASSN-16jw	720	07:46	02:06:51.2	+14:43:22	300	89	3.0	#220 ASASSN Tr	2	
0110.COMP	10	07:59	02:06:51.2	+14:43:22	300	89	3.0	0 Calibration	2	
0111.PS16dtm	1800	08:01	01:58:04.7	-00:52:22	300	89	3.0	#225 SLSNe and	2	
0112.COMP	10	08:31	01:58:04.7	-00:52:22	300	89	3.0	0 Calibration	2	
0113.test.HD19445	10	08:49	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	running through focus
0114.test.HD19445	10	08:50	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	looking for color changes
0115.test.HD19445	10	08:50	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0116.test.HD19445	10	08:51	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0117.test.HD19445	10	08:52	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0118.test.HD19445	10	08:52	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0119.test.HD19445	10	08:52	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0120.test.HD19445	10	08:54	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	

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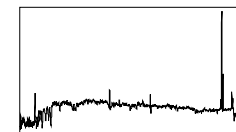
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0121.PS16dtm	1797	08:59	01:58:04.7	-00:52:22	300	89	3.0	#225 SLSNe and	2	repeat, stopped by clouds
0122.COMP	10	09:30	01:58:04.7	-00:52:22	300	88	3.0	0 Calibration	2	
0123-0132.BIAS	0	09:46	00:39:19.6	+30:51:40	300	88	3.0	0 Calibration	2	
0133-0147.FLAT	7	09:52	00:39:19.6	+30:51:40	300	88	3.0	0 Calibration	2	

UT Date 2016-09-30 Observers J. WintersColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:13	22:07:00.5	+25:20:42	300	87	3.0	0 Calibration	4	
0011-0020.FLAT	4	00:16	22:07:00.5	+25:20:42	300	87	3.0	0 Calibration	4	
0021-0030.BIAS	0	00:17	22:07:00.5	+25:20:42	300	87	3.0	0 Calibration	2	
0031-0045.FLAT	7	00:22	22:07:00.5	+25:20:42	300	87	3.0	0 Calibration	2	
0046-0050.DARK	900	01:28	22:07:00.5	+25:20:42	300	87	3.0	0 Calibration	4	
0051.AWI00021o7	10	03:23	19:20:54.3	+22:11:55	300	87	3.0	#219 WISE Debr	2	
0052.AWI00021o7	7	03:24	19:20:54.3	+22:11:55	300	87	3.0	#219 WISE Debr	2	
0053.AWI00021o7	7	03:25	19:20:54.3	+22:11:55	300	87	3.0	#219 WISE Debr	2	
0054.COMP	10	03:26	19:20:54.3	+22:11:55	300	87	3.0	0 Calibration	2	
0055.AWI00051x9	15	03:33	19:30:40.1	+35:06:10	300	87	3.0	#219 WISE Debr	2	
0056.AWI00051x9	15	03:34	19:30:40.1	+35:06:10	300	87	3.0	#219 WISE Debr	2	
0057.COMP	10	03:35	19:30:40.1	+35:06:10	300	87	3.0	0 Calibration	2	
0058.snATLAS16cxr	1800	04:07	18:08:06.5	+25:24:31	300	87	3.0	#2 SN Observat	2	
0059.COMP	10	04:39	18:08:06.5	+25:24:31	300	88	3.0	0 Calibration	2	
0060.BFCyg	15	04:55	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	
0061.BFCyg	5	04:57	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	
0062.BFCyg	45	04:58	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	
0063.COMP	10	05:36	19:23:53.0	+29:40:27	300	88	3.0	0 Calibration	2	
0064.CHCyg	1	05:40	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	
0065.CHCyg	5	05:40	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	

UT Date 2016-09-30 Observers J. WintersColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0066.CHCyg	30	05:41	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	
0067.COMP	10	05:42	19:24:33.0	+50:14:30	300	88	3.0	0 Calibration	2	
0068.HMSge	1	06:07	19:41:57.0	+16:44:41	300	88	3.0	#12 Symbiotic	2	
0069.HMSge	5	06:08	19:41:57.0	+16:44:41	300	88	3.0	#12 Symbiotic	2	
0070.HMSge	60	06:09	19:41:57.0	+16:44:41	300	88	3.0	#12 Symbiotic	2	
0071.COMP	10	06:10	19:41:57.0	+16:44:41	300	88	3.0	0 Calibration	2	
0072.AS360	60	06:15	19:45:49.0	+18:36:49	300	88	3.0	#12 Symbiotic	2	
0073.AS360	300	06:17	19:45:49.0	+18:36:49	300	88	3.0	#12 Symbiotic	2	
0074.COMP	10	06:25	19:45:49.0	+18:36:49	300	88	3.0	0 Calibration	2	
0075.PUVu1	1	06:30	20:21:13.0	+21:34:21	300	87	3.0	#12 Symbiotic	2	
0076.PUVu1	10	06:31	20:21:13.0	+21:34:21	300	87	3.0	#12 Symbiotic	2	
0077.PUVu1	60	06:32	20:21:13.0	+21:34:21	300	87	3.0	#12 Symbiotic	2	
0078.COMP	10	06:35	20:21:13.0	+21:34:21	300	87	3.0	0 Calibration	2	
0079.V1515Cyg	1	06:43	20:23:48.0	+42:12:24	300	87	3.0	#12 Symbiotic	2	
0080.V1515Cyg	60	06:43	20:23:48.0	+42:12:24	300	87	3.0	#12 Symbiotic	2	
0081.V1515Cyg	600	06:46	20:23:48.0	+42:12:24	300	87	3.0	#12 Symbiotic	2	
0082.COMP	10	06:57	20:23:48.0	+42:12:24	300	87	3.0	0 Calibration	2	
0083.AWI0005zft	10	09:13	02:30:07.3	+33:24:23	300	88	3.0	#219 WISE Debr	2	
0084.AWI0005zft	45	09:15	02:30:07.3	+33:24:23	300	88	3.0	#219 WISE Debr	2	
0085.AWI0005zft	30	09:16	02:30:07.3	+33:24:23	300	88	3.0	#219 WISE Debr	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.COMP	10	09:17	02:30:07.3	+33:24:23	300	88	3.0	0 Calibration	2	
0087.AWI0005yjq	20	09:27	02:30:47.4	+36:07:02	300	88	3.0	#219 WISE Debr	2	
0088.COMP	10	09:29	02:30:47.4	+36:07:02	300	88	3.0	0 Calibration	2	
0089.AWI0005w77	10	09:32	02:37:20.8	+39:53:46	300	88	3.0	#219 WISE Debr	2	
0090.AWI0005w77	5	09:32	02:37:20.8	+39:53:46	300	88	3.0	#219 WISE Debr	2	
0091.COMP	10	09:33	02:37:20.8	+39:53:46	300	88	3.0	0 Calibration	2	
0092.AWI0005zfw	20	09:41	02:44:30.0	+28:00:54	300	88	3.0	#219 WISE Debr	2	
0093.COMP	10	09:41	02:44:30.0	+28:00:54	300	88	3.0	0 Calibration	2	
0094.AWI000633g	750	09:50	02:55:55.0	+47:22:20	300	88	3.0	#219 WISE Debr	2	
0095.AWI000633g	450	10:04	02:55:55.0	+47:22:20	300	88	3.0	#219 WISE Debr	2	
0096.COMP	10	10:12	02:55:55.0	+47:22:20	300	88	3.0	0 Calibration	2	
0097.AWI0005zy0	50	10:20	03:20:26.0	+14:10:29	300	85	3.0	#219 WISE Debr	2	
0098.AWI0005zy0	30	10:21	03:20:26.0	+14:10:29	300	85	3.0	#219 WISE Debr	2	
0099.COMP	10	10:22	03:20:26.0	+14:10:29	300	85	3.0	0 Calibration	2	
0100.AWI0005zy4	30	10:29	03:25:04.6	+10:58:35	300	85	3.0	#219 WISE Debr	2	
0101.AWI0005zy4	15	10:30	03:25:04.6	+10:58:35	300	85	3.0	#219 WISE Debr	2	
0102.AWI0005zy4	10	10:31	03:25:04.6	+10:58:35	300	85	3.0	#219 WISE Debr	2	
0103.COMP	10	10:31	03:25:04.6	+10:58:35	300	85	3.0	0 Calibration	2	
0104.AWI0005yki	30	10:42	03:25:13.4	+32:22:46	300	85	3.0	#219 WISE Debr	2	
0105.AWI0005yki	15	10:42	03:25:13.4	+32:22:46	300	85	3.0	#219 WISE Debr	2	

UT Date 2016-09-30 Observers J. WintersColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0106.COMP	10	10:43	03:25:13.4	+32:22:46	300	85	3.0	0 Calibration	2	
0107.AWI0005zye	45	10:46	03:34:33.3	+14:10:33	300	85	3.0	#219 WISE Debr	2	
0108.COMP	10	10:47	03:34:33.3	+14:10:33	300	85	3.0	0 Calibration	2	
0109.AWI000632k	45	11:08	03:48:57.4	+40:40:17	300	85	3.0	#219 WISE Debr	2	
0110.AWI000632k	20	11:11	03:48:57.4	+40:40:17	300	85	3.0	#219 WISE Debr	2	
0111.COMP	10	11:12	03:48:57.4	+40:40:17	300	85	3.0	0 Calibration	2	
0112.AWI0005zgf	20	11:16	03:51:48.5	+17:12:11	300	85	3.0	#219 WISE Debr	2	
0113.AWI0005zgf	20	11:17	03:51:48.5	+17:12:11	300	85	3.0	#219 WISE Debr	2	
0114.COMP	10	11:18	03:51:48.5	+17:12:11	300	85	3.0	0 Calibration	2	
0115.AWI0005ym9	20	11:22	03:51:57.4	+25:59:55	300	85	3.0	#219 WISE Debr	2	
0116.AWI0005ym9	15	11:23	03:51:57.4	+25:59:55	300	85	3.0	#219 WISE Debr	2	
0117.COMP	10	11:24	03:51:57.4	+25:59:55	300	85	3.0	0 Calibration	2	
0118.AWI000631i	600	11:28	04:06:16.8	+33:32:56	300	85	3.0	#219 WISE Debr	2	
0119.AWI000631i	300	11:39	04:06:16.8	+33:32:56	300	85	3.0	#219 WISE Debr	2	
0120.COMP	10	11:44	04:06:16.8	+33:32:56	300	85	3.0	0 Calibration	2	
0121.AWI000631q	100	11:49	04:07:07.8	+38:27:15	300	89	3.0	#219 WISE Debr	2	
0122.AWI000631q	50	11:51	04:07:07.8	+38:27:15	300	89	3.0	#219 WISE Debr	2	
0123.COMP	10	11:52	04:07:07.8	+38:27:15	300	89	3.0	0 Calibration	2	
0124.AWI0005wd8	55	11:57	05:11:43.8	+12:20:13	300	89	3.0	#219 WISE Debr	2	
0125.AWI0005wd8	55	11:58	05:11:43.8	+12:20:13	300	89	3.0	#219 WISE Debr	2	

UT Date 2016-09-30 Observers J. WintersColl. Focus 1320 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>
0126.COMP	10	12:00	05:11:43.8	+12:20:13	300	89	3.0	0 Calibration	2	
0127.AWI00055x3	50	12:08	05:16:38.9	+56:30:24	300	89	3.0	#219 WISE Debr	2	
0128.AWI00055x3	50	12:10	05:16:38.9	+56:30:24	300	89	3.0	#219 WISE Debr	2	
0129.COMP	10	12:11	05:16:38.9	+56:30:24	300	89	3.0	0 Calibration	2	
0130-0139.BIAS	0	12:38	05:16:38.9	+56:30:24	300	89	3.0	0 Calibration	2	
0140-0154.FLAT	7	12:44	05:16:38.9	+56:30:24	300	89	3.0	0 Calibration	2	
0155-0159.DARK	900	13:48	05:16:38.9	+56:30:24	300	89	3.0	0 Calibration	2	

UT Date 2016-10-01 Observers J. WintersColl. Focus 1320 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	00:26	17:33:11.9	+31:30:49	600	88	1.5	0 Calibration	2	
0002.COMP	10	00:27	17:33:11.9	+31:30:49	600	88	1.5	0 Calibration	2	
0003.COMP	10	00:30	17:33:11.9	+31:30:49	600	88	1.5	0 Calibration	2	
0004.COMP	10	00:32	17:33:11.9	+31:30:49	600	88	1.5	0 Calibration	2	
0005.COMP	10	00:33	17:33:11.9	+31:30:49	600	88	1.5	0 Calibration	2	
0006.COMP	10	00:36	17:33:11.9	+31:30:49	600	88	1.5	0 Calibration	4	
0007.COMP	10	00:38	17:33:11.9	+31:30:49	600	88	1.5	0 Calibration	4	
0008-0017.BIAS	0	00:42	17:33:11.9	+31:30:49	600	88	1.5	0 Calibration	4	
0018-0032.FLAT	12	00:51	17:33:11.9	+31:30:49	600	88	1.5	0 Calibration	4	
0033.BDp404032	120	02:01	20:08:24.1	+41:15:04	600	88	1.5	#56 Spectropho	4	
0034.BDp404032	120	02:16	20:08:24.1	+41:15:04	600	88	1.5	#56 Spectropho	4	
0035.BDp404032	120	02:21	20:08:24.1	+41:15:04	600	88	1.5	#56 Spectropho	4	
0036.BDp404032	120	02:26	20:08:24.1	+41:15:04	600	88	1.5	#56 Spectropho	4	
0037.BDp404032	120	02:28	20:08:24.1	+41:15:04	600	88	1.5	#56 Spectropho	4	
0038.BDp404032	120	02:39	20:08:24.1	+41:15:04	600	88	1.5	#56 Spectropho	4	
0039.COMP	10	02:42	20:08:24.1	+41:15:04	600	88	1.5	0 Calibration	4	
0040.N7331	10	02:45	22:37:04.1	+34:24:56	600	88	1.5	#57 Velocity S	4	
0041.N7331	120	03:00	22:37:04.1	+34:24:56	600	88	1.5	#57 Velocity S	4	
0042.N7331	120	03:03	22:37:04.1	+34:24:56	600	88	1.5	#57 Velocity S	4	
0043.COMP	10	03:06	22:37:04.1	+34:24:56	600	88	1.5	0 Calibration	4	

UT Date 2016-10-01 Observers J. WintersColl. Focus 1320 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.ec21335-1332	170	03:18	21:36:16.3	-13:18:34	600	88	1.5	#178 Low Mass	4	
0045.COMP	10	03:21	21:36:16.3	-13:18:34	600	88	1.5	0 Calibration	4	
0046.ec21335-1332	170	03:22	21:36:16.3	-13:18:34	600	88	1.5	#178 Low Mass	4	
0047.ec22010-1445	103	03:33	22:03:46.4	-14:30:46	600	88	1.5	#178 Low Mass	4	
0048.COMP	10	03:37	22:03:46.4	-14:30:46	600	88	1.5	0 Calibration	4	
0049.j2021p31	1109	03:44	20:21:08.7	+31:28:35	600	88	1.5	#178 Low Mass	4	
0050.COMP	10	04:04	20:21:08.7	+31:28:35	600	89	1.5	0 Calibration	4	
0051.j2025p28	1539	04:11	20:25:25.9	+28:39:36	600	89	1.5	#178 Low Mass	4	
0052.COMP	10	04:38	20:25:25.9	+28:39:36	600	89	1.5	0 Calibration	4	
0053.j2202p29	725	04:45	22:02:05.5	+29:19:07	600	89	1.5	#178 Low Mass	4	
0054.COMP	10	04:58	22:02:05.5	+29:19:07	600	89	1.5	0 Calibration	4	
0055.j2208p23	1032	05:03	22:08:37.6	+23:03:26	600	88	1.5	#178 Low Mass	4	
0056.COMP	10	05:29	22:08:37.6	+23:03:26	600	88	1.5	0 Calibration	4	
0057.j2208p31	925	05:32	22:08:57.5	+31:15:15	600	89	1.5	#178 Low Mass	4	
0058.COMP	10	05:48	22:08:57.5	+31:15:15	600	89	1.5	0 Calibration	4	
0059.j2212p28	1558	05:51	22:12:32.6	+28:47:56	600	88	1.5	#178 Low Mass	4	
0060.COMP	10	06:18	22:12:32.6	+28:47:56	600	88	1.5	0 Calibration	4	
0061.j2330p29	1529	06:23	23:30:37.0	+29:34:40	600	88	1.5	#178 Low Mass	4	
0062.COMP	10	06:49	23:30:37.0	+29:34:40	600	88	1.5	0 Calibration	4	
0063.j2332p26	540	06:57	23:32:05.0	+26:56:34	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
0064.COMP	10	07:06	23:32:05.0	+26:56:34	600	89	1.5	0 Calibration	4	
0065.j2338p31	1254	07:13	23:38:37.3	+31:52:39	600	89	1.5	#178 Low Mass	4	
0066.COMP	10	07:34	23:38:37.3	+31:52:39	600	89	1.5	0 Calibration	4	
0067.j0055p33	1252	07:46	00:55:17.7	+33:09:50	600	89	1.5	#178 Low Mass	4	
0068.COMP	10	08:08	00:55:17.7	+33:09:50	600	89	1.5	0 Calibration	4	
0069.j0056p24	725	08:11	00:56:20.7	+24:09:09	600	89	1.5	#178 Low Mass	4	
0070.COMP	10	08:24	00:56:20.7	+24:09:09	600	89	1.5	0 Calibration	4	
0071.j0106p41	772	08:28	01:06:17.8	+41:34:34	600	89	1.5	#178 Low Mass	4	
0072.COMP	10	08:41	01:06:17.8	+41:34:34	600	89	1.5	0 Calibration	4	
0073.j0201p26	1474	08:45	02:01:49.3	+26:16:26	600	89	1.5	#178 Low Mass	4	
0074.COMP	10	09:10	02:01:49.3	+26:16:26	600	89	1.5	0 Calibration	4	
0075.j0216p25	1510	09:13	02:16:18.6	+25:26:36	600	88	1.5	#178 Low Mass	4	
0076.COMP	10	09:39	02:16:18.6	+25:26:36	600	88	1.5	0 Calibration	4	
0077.j0257p37	1271	09:44	02:57:47.9	+37:15:35	600	89	1.5	#178 Low Mass	4	
0078.COMP	10	10:06	02:57:47.9	+37:15:35	600	89	1.5	0 Calibration	4	
0079.j0336p37	741	10:10	03:36:27.2	+37:29:13	600	89	1.5	#178 Low Mass	4	
0080.COMP	10	10:23	03:36:27.2	+37:29:13	600	89	1.5	0 Calibration	4	
0081.j0342p41	1237	10:33	03:42:09.8	+41:07:47	600	89	1.5	#178 Low Mass	4	
0082.COMP	10	10:54	03:42:09.8	+41:07:47	600	89	1.5	0 Calibration	4	
0083.j0420p32	803	10:57	04:20:06.3	+32:33:06	600	84	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	11:11	04:20:06.3	+32:33:06	600	84	1.5	0 Calibration	4	
0085.j0429p21	1402	11:14	04:29:28.9	+21:59:25	600	85	1.5	#178 Low Mass	4	
0086.COMP	10	11:38	04:29:28.9	+21:59:25	600	85	1.5	0 Calibration	4	
0087.j0429p21	1402	11:39	04:29:28.9	+21:59:25	600	85	1.5	#178 Low Mass	4	
0088-0097.BIAS	0	12:21	05:52:34.2	+31:24:02	600	89	1.5	0 Calibration	4	
0098-0112.FLAT	12	12:26	05:52:34.2	+31:24:02	600	89	1.5	0 Calibration	4	
0113-0117.DARK	900	13:38	05:52:34.2	+31:24:02	600	89	1.5	0 Calibration	4	