

UT Date 2017-03-02 Observers M CalkinsColl. Focus 1280 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	03:25	06:38:37.2	+31:31:38	300	87	3.0	0 Calibration	4	
0011-0030.FLAT	7	03:30	06:38:37.2	+31:31:38	300	87	3.0	0 Calibration	2	
0031-0040.BIAS	0	03:33	06:38:37.2	+31:31:38	300	87	3.0	0 Calibration	2	
0041.sn2017av1	2400	03:40	05:20:47.1	+03:15:25	300	87	3.0	#2 SN Observat	2	
0042.COMP	10	04:21	05:20:47.1	+03:15:25	300	88	3.0	0 Calibration	2	
0043.snMASTEROTJ083256	2400	04:25	08:32:56.9	-03:51:28	300	18	3.0	#2 SN Observat	2	
0044.COMP	10	05:05	08:32:56.9	-03:51:28	300	18	3.0	0 Calibration	2	
0045.snASASSN17df	900	05:13	09:46:30.0	-21:34:20	300	90	3.0	#220 ASASSN Tr	2	
0046.COMP	10	05:28	09:46:30.0	-21:34:20	300	90	3.0	0 Calibration	2	
0047.HD84937	20	05:34	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0048.COMP	10	05:35	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0049.PS17bny	1800	05:38	10:24:18.0	-03:43:16	300	90	3.0	#225	2	
0050.COMP	10	06:09	10:24:18.0	-03:43:16	300	90	3.0	0 Calibration	2	
0051.PS17bnx	1800	06:11	10:10:37.8	-07:54:02	300	90	3.0	#225	2	
0052.PS17bnx	1800	06:41	10:10:37.8	-07:54:02	300	90	3.0	#225	2	
0053.COMP	10	07:12	10:10:37.8	-07:54:02	300	90	3.0	0 Calibration	2	
0054.snPS17bii	2700	07:16	11:25:38.3	+07:20:01	300	90	3.0	#2 SN Observat	2	
0055.snPS17bii	2700	08:02	11:25:38.3	+07:20:01	300	90	3.0	#2 SN Observat	2	
0056.COMP	10	08:48	11:25:38.3	+07:20:01	300	90	3.0	0 Calibration	2	
0057.snATLAS17bas	1800	08:49	11:07:35.5	+22:51:04	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
0058.COMP	10	09:20	11:07:35.5	+22:51:04	300	89	3.0	0 Calibration	2	
0059.PS17bgn	2700	09:30	11:31:53.0	+29:59:45	300	89	3.0	#225	2	
0060.COMP	10	10:16	11:31:53.0	+29:59:45	300	90	3.0	0 Calibration	2	
0061.hva1088	240	10:29	10:29:52.4	-08:22:20	600	90	1.5	#178 Low Mass	4	
0062.COMP	10	10:34	10:29:52.4	-08:22:20	600	90	1.5	0 Calibration	4	
0063.hva1090	660	10:35	10:45:42.4	-09:18:22	600	90	1.5	#178 Low Mass	4	
0064.COMP	10	10:48	10:45:42.4	-09:18:22	600	90	1.5	0 Calibration	4	
0065.hva1092	360	10:50	11:19:49.4	-07:56:54	600	90	1.5	#178 Low Mass	4	
0066.COMP	10	10:56	11:19:49.4	-07:56:54	600	90	1.5	0 Calibration	4	
0067.BIAS	0	11:02	14:18:13.4	+31:35:26	600	89	1.5	0 Calibration	4	
0068.hva1093	240	11:05	11:25:11.3	-07:45:43	600	89	1.5	#178 Low Mass	4	
0069.COMP	10	11:09	11:25:11.3	-07:45:43	600	90	1.5	0 Calibration	4	
0070.hva1095	600	11:11	11:53:30.8	-09:03:30	600	90	1.5	#178 Low Mass	4	
0071.COMP	10	11:22	11:53:30.8	-09:03:30	600	90	1.5	0 Calibration	4	
0072.hva1096	530	11:23	12:05:31.0	-07:48:01	600	90	1.5	#178 Low Mass	4	
0073.COMP	10	11:33	12:05:31.0	-07:48:01	600	90	1.5	0 Calibration	4	
0074.hva1097	250	11:34	12:06:19.5	-10:39:53	600	90	1.5	#178 Low Mass	4	
0075.COMP	10	11:39	12:06:19.5	-10:39:53	600	90	1.5	0 Calibration	4	
0076.hva1099	300	11:41	13:40:12.4	-08:04:31	600	90	1.5	#178 Low Mass	4	
0077.COMP	10	11:46	13:40:12.4	-08:04:31	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
0078.hva1100	900	11:47	14:06:53.4	-07:54:54	600	90	1.5	#178 Low Mass	4	
0079.COMP	10	12:03	14:06:53.4	-07:54:54	600	90	1.5	0 Calibration	4	
0080.hva1101	1500	12:05	14:45:52.8	-14:12:40	600	75	1.5	#178 Low Mass	4	
0081.COMP	10	12:31	14:45:52.8	-14:12:40	600	75	1.5	0 Calibration	4	
0082.hva1102	433	12:32	14:51:28.8	-15:48:52	600	90	1.5	#178 Low Mass	4	
0083.COMP	10	12:40	14:51:28.8	-15:48:52	600	89	1.5	0 Calibration	4	
0084.hva1103	300	12:42	14:52:05.1	-07:35:27	600	89	1.5	#178 Low Mass	4	
0085.COMP	10	12:50	14:52:05.1	-07:35:27	600	90	1.5	0 Calibration	4	
0086.BDp332642	150	12:55	15:51:59.9	+32:56:54	600	90	1.5	#56 Spectropho	4	
0087.COMP	10	12:58	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0088-0097.BIAS	0	13:06	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0098-0107.FLAT	12	13:10	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0108-0112.DARK	900	14:12	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0113-0117.DARK	900	15:28	15:51:59.9	+32:56:54	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
0001-0007.DARK	900	01:18	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0008-0017.BIAS	0	01:41	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0018-0037.FLAT	7	01:53	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0038-0050.BIAS	0	01:55	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0051.HD19445	15	02:16	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0052.HD19445	24	02:17	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0053.COMP	10	02:18	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0054.G191B2B	420	02:22	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0055.COMP	10	02:29	05:05:30.6	+52:49:52	300	88	3.0	0 Calibration	2	
0056.AXPer	7	02:51	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0057.AXPer	50	02:51	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0058.AXPer	180	02:53	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0059.COMP	10	02:56	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0060.GITau	900	03:00	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0061.COMP	10	03:16	04:33:34.0	+24:21:18	300	89	3.0	0 Calibration	2	
0062-0071.BIAS	0	12:21	04:33:34.5	+24:21:07	300	89	3.0	0 Calibration	2	
0072-0081.FLAT	7	12:24	04:33:34.5	+24:21:07	300	89	3.0	0 Calibration	2	
0082-0091.DARK	900	14:43	04:33:34.5	+24:21:07	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.BIAS	0	19:39	23:42:50.4	+31:25:00	300	88	3.0	0 Calibration	2	
0002.COMP	5	19:40	23:42:50.4	+31:25:00	300	88	3.0	0 Calibration	2	
0003-0012.BIAS	0	22:12	23:42:50.4	+31:25:00	300	91	3.0	0 Calibration	2	
0013-0027.FLAT	7	22:18	23:42:50.4	+31:25:00	300	91	3.0	0 Calibration	2	
0028.COMP	10	22:33	23:42:50.4	+31:25:00	300	91	3.0	0 Calibration	2	
0029.AT2017cem	60	03:10	07:17:47.1	+02:36:33	300	91	3.0	Supernovae and	2	
0030.AT2017cem	20	03:18	07:17:47.1	+02:36:33	300	90	3.0	Supernovae and	2	
0031.AT2017cem	10	03:20	07:17:47.1	+02:36:33	300	90	3.0	Supernovae and	2	
0032.Betelgeuse	1	03:32	05:55:10.3	+07:24:25	300	90	3.0	Supernovae and	2	
0033.Betelgeuse	1	03:33	05:55:10.3	+07:24:25	300	90	3.0	Supernovae and	2	
0034.NGC2500	60	03:46	08:01:53.2	+50:44:14	300	90	3.0	Supernovae and	2	
0035.NGC2500	300	03:49	08:01:53.2	+50:44:14	300	90	3.0	Supernovae and	2	
0036.NGC2500	300	03:55	08:01:53.2	+50:44:14	300	90	3.0	Supernovae and	2	
0037.NGC2500	300	04:01	08:01:53.2	+50:44:14	300	90	3.0	Supernovae and	2	
0038.NGC2618	300	04:27	08:35:53.5	+00:42:26	300	90	3.0	Supernovae and	2	
0039.NGC2618	300	04:44	08:35:53.5	+00:42:26	300	90	3.0	Supernovae and	2	
0040.NGC2618	300	04:49	08:35:53.5	+00:42:26	300	90	3.0	Supernovae and	2	
0041.COMP	5	04:55	08:35:53.5	+00:42:26	300	90	3.0	0 Calibration	2	
0042.2017bos	300	05:05	09:46:30.0	-21:34:20	300	90	3.0	Supernovae and	2	
0043.2017bos	360	05:14	09:46:30.0	-21:34:20	300	90	3.0	Supernovae and	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.NGC3184	300	05:27	10:18:16.8	+41:25:27	300	90	3.0	Supernovae and	2	
0045.NGC3184	300	05:33	10:18:16.8	+41:25:27	300	90	3.0	Supernovae and	2	
0046.NGC3184	300	05:38	10:18:16.8	+41:25:27	300	90	3.0	Supernovae and	2	
0047.COMP	5	05:44	10:18:16.8	+41:25:27	300	90	3.0	0 Calibration	2	
0048.NGC2537	300	05:54	08:13:15.6	+45:59:23	300	90	3.0	Supernovae and	2	
0049.NGC2537	300	05:59	08:13:15.6	+45:59:23	300	90	3.0	Supernovae and	2	
0050.NGC2537	300	06:05	08:13:15.6	+45:59:23	300	90	3.0	Supernovae and	2	
0051.COMP	5	06:11	08:13:15.6	+45:59:23	300	90	3.0	0 Calibration	2	
0052.NGC2655	300	06:27	08:55:37.7	+78:13:03	300	90	3.0	Supernovae and	2	
0053.NGC2655	300	06:34	08:55:37.7	+78:13:03	300	90	3.0	Supernovae and	2	
0054.NGC2655	300	06:39	08:55:37.7	+78:13:03	300	90	3.0	Supernovae and	2	
0055.NGC3526	360	06:54	11:06:56.6	+07:10:26	300	90	3.0	Supernovae and	2	
0056.NGC3526	360	07:00	11:06:56.6	+07:10:26	300	90	3.0	Supernovae and	2	
0057.NGC3526	360	07:06	11:06:56.6	+07:10:26	300	90	3.0	Supernovae and	2	
0058.NGC3526	360	07:22	11:06:56.6	+07:10:26	300	52	3.0	Supernovae and	2	
0059.NGC3526	360	07:28	11:06:56.6	+07:10:26	300	52	3.0	Supernovae and	2	
0060.NGC3526	360	07:34	11:06:56.6	+07:10:26	300	52	3.0	Supernovae and	2	
0061.COMP	5	07:46	11:06:56.6	+07:10:26	300	89	3.0	0 Calibration	2	
0062.NGC3938	360	07:51	11:52:42.9	+44:07:17	300	89	3.0	Supernovae and	2	
0063.NGC3938	360	07:57	11:52:42.9	+44:07:17	300	89	3.0	Supernovae and	2	

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0064.NGC3938	360	08:03	11:52:42.9	+44:07:17	300	89	3.0	Supernovae and	2	
0065.COMP	5	08:09	11:52:42.9	+44:07:17	300	89	3.0	0 Calibration	2	
0066.M97	420	08:37	11:14:47.7	+55:01:09	300	89	3.0	Supernovae and	2	
0067.M97	420	08:44	11:14:47.7	+55:01:09	300	89	3.0	Supernovae and	2	
0068.M97	420	08:51	11:14:47.7	+55:01:09	300	89	3.0	Supernovae and	2	
0069.M97_No_Slit	30	09:12	11:14:47.7	+55:01:09	300	90	3.0	Supernovae and	2	
0071.M97_No_Slit	30	09:17	11:14:47.7	+55:01:09	300	90	3.0	Supernovae and	1	
0072.M97_No_Slit	30	09:19	11:14:47.7	+55:01:09	300	90	3.0	Supernovae and	1	
0073.M97_No_Slit	20	09:21	11:14:47.7	+55:01:09	300	90	3.0	Supernovae and	1	
0074.M97_No_Slit	120	09:22	11:14:47.7	+55:01:09	300	90	3.0	Supernovae and	1	
0075.2017cal	300	09:48	17:14:24.3	+20:18:50	300	90	3.0	Supernovae and	1	
0076.2017cal	300	09:54	17:14:24.3	+20:18:50	300	90	3.0	Supernovae and	1	
0077.2017cal	300	09:59	17:14:24.3	+20:18:50	300	90	3.0	Supernovae and	1	
0078.HR5501	1	10:07	14:45:30.4	+00:43:02	300	88	3.0	Supernovae and	1	
0079.BD332642	5	10:23	15:52:00.0	+32:56:55	300	88	3.0	Supernovae and	1	
0080.HR5191	0	10:32	13:47:32.0	+49:18:48	300	88	3.0	Supernovae and	1	
0081.HR4963	1	10:38	13:09:57.0	-05:32:21	300	88	3.0	Supernovae and	1	
0082.HZ44	10	10:43	13:23:35.0	+36:08:00	300	88	3.0	Supernovae and	1	
0083.HZ44	10	10:45	13:23:35.0	+36:08:00	300	88	3.0	Supernovae and	1	
0084.M2-9	300	10:53	17:05:38.0	-10:08:35	300	0	3.0	Supernovae and	1	

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0085.M2-9	360	11:06	17:05:38.0	-10:08:35	300	0	3.0	Supernovae and	2	
0086.NGC6543	240	11:33	17:58:33.0	+66:38:00	300	90	3.0	Supernovae and	2	
0087.M57	20	11:42	18:53:35.0	+33:01:45	300	90	3.0	Supernovae and	2	
0088.1634+706PG	360	11:54	16:34:29.0	+70:31:32	300	90	3.0	Supernovae and	2	
0089.COMP	5	12:01	16:34:29.0	+70:31:32	300	90	3.0	0 Calibration	2	
0090.1634+706PG	360	12:05	16:34:29.0	+70:31:32	300	89	3.0	Supernovae and	2	
0091.1634+706PG	360	12:11	16:34:29.0	+70:31:32	300	89	3.0	Supernovae and	2	
0092.MRK501	120	12:21	16:53:52.0	+39:45:37	300	89	3.0	Supernovae and	2	
0093.COMP	5	12:25	16:53:52.0	+39:45:37	300	89	3.0	0 Calibration	2	
0094.COMP	10	12:26	16:53:52.0	+39:45:37	300	89	3.0	0 Calibration	2	
0095-0104.BIAS	0	12:34	16:53:52.0	+39:45:37	300	86	3.0	0 Calibration	2	
0105-0119.FLAT	7	12:40	16:53:52.0	+39:45:37	300	86	3.0	0 Calibration	2	

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0001.COMP	10	05:35	05:55:10.0	+07:24:25	300	86	3.0	0 Calibration	2	
0002.KH15D	300	05:47	06:41:10.0	+09:28:33	300	90	3.0	Supernovae and	2	
0003.AT2017ce1	180	06:06	07:58:48.0	-11:14:51	300	90	3.0	Supernovae and	2	
0004.AT2017ce1	300	06:10	07:58:48.0	-11:14:51	300	90	3.0	Supernovae and	2	
0005.AT2017ce1	300	06:15	07:58:48.0	-11:14:51	300	90	3.0	Supernovae and	2	
0006.AT2017ce1	300	06:23	07:58:48.0	-11:14:51	300	90	3.0	Supernovae and	2	
0007.AT2017ce1	300	06:28	07:58:48.0	-11:14:51	300	90	3.0	Supernovae and	2	
0008.AT2017ce1	300	06:33	07:58:48.0	-11:14:51	300	90	3.0	Supernovae and	2	
0009.AT2017ce1	300	06:38	07:58:48.0	-11:14:51	300	90	3.0	Supernovae and	2	
0010.COMP	10	06:44	07:58:48.0	-11:14:51	300	90	3.0	0 Calibration	2	
0011.182Elsa	60	07:59	10:04:56.0	+14:30:26	300	90	3.0	Supernovae and	2	
0012.182Elsa	120	08:01	10:04:56.0	+14:30:26	300	90	3.0	Supernovae and	2	
0013.COMP	10	08:03	10:04:56.0	+14:30:26	300	90	3.0	0 Calibration	2	
0014.1WGAJ1026	300	08:15	10:26:34.0	+67:46:12	300	90	3.0	Supernovae and	2	
0015.COMP	10	08:21	10:26:34.0	+67:46:12	300	90	3.0	0 Calibration	2	
0016.M82	120	08:32	09:55:52.0	+69:40:47	300	67	3.0	Supernovae and	2	
0017.COMP	10	08:34	09:55:52.0	+69:40:47	300	67	3.0	0 Calibration	2	
0018.NGC2976	120	08:56	09:47:15.0	+67:54:59	300	90	3.0	Supernovae and	2	
0019.3C273	180	09:06	12:29:07.0	+02:03:09	300	90	3.0	Supernovae and	2	
0020.Phecda	1	09:16	11:53:50.0	+53:41:41	300	90	3.0	Spectral stand	2	

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0021.Q1224-116	500	09:27	12:27:25.0	-11:33:35	300	90	3.0	Supernovae and	2	
0022.COMP	10	09:35	12:27:25.0	-11:33:35	300	90	3.0	0 Calibration	2	
0023.Vindematrix	1	09:54	13:02:11.0	+10:57:33	300	88	3.0	Spectral stand	2	
0024.Vindematrix	0	09:56	13:02:11.0	+10:57:33	300	88	3.0	Spectral stand	2	
0025.COMP	10	09:56	13:02:11.0	+10:57:33	300	88	3.0	0 Calibration	2	
0026.Q1224-116	500	10:00	12:27:25.0	-11:33:35	300	88	3.0	Supernovae and	2	
0027.COMP	10	10:09	12:27:25.0	-11:33:35	300	88	3.0	0 Calibration	2	
0028.BHvsNova	300	10:20	15:22:39.0	+39:13:52	300	88	3.0	Supernovae and	2	
0028.BHvsNovaq.ms	300	10:20	15:22:39.0	+39:13:52	300	88	3.0	Supernovae and	1	
0029.BHvsNova	300	10:25	15:22:39.0	+39:13:52	300	88	3.0	Supernovae and	2	
0029.BHvsNovaq.ms	300	10:25	15:22:39.0	+39:13:52	300	88	3.0	Supernovae and	1	
0030.BHvsNova	300	10:30	15:22:39.0	+39:13:52	300	88	3.0	Supernovae and	2	
0030.BHvsNovaq.ms	300	10:30	15:22:39.0	+39:13:52	300	88	3.0	Supernovae and	1	
0031.BHvsNova	300	10:37	15:22:39.0	+39:13:52	300	88	3.0	Supernovae and	2	
0032.COMP	10	10:42	15:22:39.0	+39:13:52	300	89	3.0	0 Calibration	2	
0033.NGC4452	120	10:47	12:28:42.0	+11:45:00	300	34	3.0	Supernovae and	2	
0034.COMP	10	10:51	12:28:42.0	+11:45:00	300	34	3.0	0 Calibration	2	
0035.Alkaid	0	10:56	13:47:32.0	+49:18:48	300	89	3.0	Spectral stand	2	
0036.COMP	10	10:57	13:47:32.0	+49:18:48	300	89	3.0	0 Calibration	2	
0037.Eltanin	1	11:02	17:56:36.0	+51:29:20	300	89	3.0	Spectral stand	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0038.Eltanin	0	11:03	17:56:36.0	+51:29:20	300	89	3.0	Spectral stand	2	
0039.COMP	10	11:03	17:56:36.0	+51:29:20	300	89	3.0	0 Calibration	2	
0040.Chara	0	11:08	12:33:45.0	+41:21:27	300	89	3.0	Spectral stand	2	
0041.COMP	10	11:08	12:33:45.0	+41:21:27	300	89	3.0	0 Calibration	2	
0042.AT2017cat	60	11:20	17:58:52.0	+34:00:09	300	89	3.0	Supernovae and	2	
0043.COMP	10	11:22	17:58:52.0	+34:00:09	300	89	3.0	0 Calibration	2	
0044.M29	20	11:29	17:05:38.0	-10:08:35	300	88	3.0	Supernovae and	2	
0045.M29	40	11:30	17:05:38.0	-10:08:35	300	88	3.0	Supernovae and	2	
0046.NGC3587	30	11:49	11:14:48.0	+55:01:09	300	90	3.0	Supernovae and	2	
0047.NGC3587	30	11:50	11:14:48.0	+55:01:09	300	90	3.0	Supernovae and	1	
0048.NGC3587	30	11:57	11:14:48.0	+55:01:09	300	90	3.0	Supernovae and	1	
0049.NGC3587	180	11:59	11:14:48.0	+55:01:09	300	90	3.0	Supernovae and	1	
0050.2017cav	600	12:10	18:06:44.0	+06:50:20	300	90	3.0	Supernovae and	2	
0051.2017cav	600	12:20	18:06:44.0	+06:50:20	300	90	3.0	Supernovae and	2	
0052.2017cav	600	12:30	18:06:44.0	+06:50:20	300	90	3.0	Supernovae and	2	
0053.Jupiter	10	12:44	13:18:53.0	-06:38:33	300	90	3.0	Supernovae and	2	
0054.Jupiter	0	12:45	13:18:53.0	-06:38:33	300	90	3.0	Supernovae and	2	
0055.Jupiter	1	12:47	13:18:53.0	-06:38:33	300	90	3.0	Supernovae and	2	
0056-0065.BIAS	0	12:52	13:18:53.0	-06:38:33	300	90	3.0	0 Calibration	2	
0066-0080.FLAT	7	12:58	13:18:53.0	-06:38:33	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.BIAS	0	01:49	13:18:53.0	-06:38:33	300	90	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:56	13:18:53.0	-06:38:33	300	90	3.0	0 Calibration	2	
0026.COMP	10	02:02	13:18:53.0	-06:38:33	300	90	3.0	0 Calibration	2	
0027.KH15D	360	02:23	06:41:10.0	+09:28:33	300	90	3.0	KH15D	2	
0028.KH15D	360	02:29	06:41:10.0	+09:28:33	300	90	3.0	KH15D	2	
0029.KH15D	360	02:36	06:41:10.0	+09:28:33	300	90	3.0	KH15D	2	
0030.NGC2264	300	02:45	06:41:10.0	+09:28:33	300	90	3.0	KH15D	2	
0031.NGC2264	300	02:50	06:41:10.0	+09:28:33	300	90	3.0	KH15D	2	
0032.NGC2264	300	02:55	06:41:10.0	+09:28:33	300	90	3.0	KH15D	2	
0033.COMP	10	03:10	06:31:54.0	+04:56:00	300	90	3.0	0 Calibration	2	
0034.NGC2244	300	03:12	06:31:54.0	+04:56:00	300	90	3.0	KH15D	2	
0035.NGC2244	300	03:21	06:31:54.0	+04:56:00	300	90	3.0	KH15D	2	
0036.NGC2392	300	03:30	07:29:11.0	+20:54:42	300	90	3.0	KH15D	2	
0037.AT2017cfa	600	03:48	09:57:04.0	-07:52:51	300	90	3.0	KH15D	2	
0038.AT2017cfa	600	03:58	09:57:04.0	-07:52:51	300	90	3.0	KH15D	2	
0039.AT2017cfa	600	04:08	09:57:04.0	-07:52:51	300	90	3.0	KH15D	2	
0040.COMP	10	04:25	09:57:04.0	-07:52:51	300	90	3.0	0 Calibration	2	
0041.AT2017cel	900	04:31	07:58:48.0	-11:14:51	300	90	3.0	KH15D	2	
0042.AT2017cel	900	04:46	07:58:48.0	-11:14:51	300	90	3.0	KH15D	2	
0043.COMP	10	05:02	07:58:48.0	-11:14:51	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
0044.APM08279	900	05:07	08:31:42.0	+52:45:18	300	90	3.0	KH15D	2	
0045.COMP	10	05:22	08:31:42.0	+52:45:18	300	90	3.0	0 Calibration	2	
0046.NGC2392slitless	5	05:36	07:29:15.0	+20:49:43	300	89	3.0	KH15D	2	
0047.NGC2392slitless	30	05:38	07:29:15.0	+20:49:43	300	89	3.0	KH15D	1	
0048.Adhafera	0	05:47	10:16:41.0	+23:25:02	300	89	3.0	KH15D	1	
0049.COMP	10	05:47	10:16:41.0	+23:25:02	300	89	3.0	0 Calibration	1	
0051.Phecda	0	05:58	11:53:50.0	+53:41:41	300	89	3.0	KH15D	1	
0052.COMP	5	06:32	12:56:39.3	+41:21:20	300	89	3.0	0 Calibration	2	
0053.BIAS	0	06:40	12:56:39.3	+41:21:20	300	89	3.0	0 Calibration	2	
0054.COMP	5	06:40	12:56:39.3	+41:21:20	300	89	3.0	0 Calibration	2	
0055.BIAS	0	06:43	10:57:58.8	+31:36:11	300	89	3.0	0 Calibration	2	
0056.AT2017cfb	600	07:50	13:54:07.0	+09:24:45	300	90	3.0	KH15D	2	
0057.AT2017cfb	600	08:01	13:54:07.0	+09:24:45	300	90	3.0	KH15D	2	
0058.AT2017cfb	600	08:11	13:54:07.0	+09:24:45	300	90	3.0	KH15D	2	
0059.COMP	10	08:21	13:54:07.0	+09:24:45	300	90	3.0	0 Calibration	2	
0060.AT2017cfc	600	08:38	13:52:39.0	-02:00:08	300	26	3.0	KH15D	2	
0061.AT2017cfc	600	08:48	13:52:39.0	-02:00:08	300	26	3.0	KH15D	2	
0062.AT2017cfc	600	08:58	13:52:39.0	-02:00:08	300	26	3.0	KH15D	2	
0063.COMP	10	09:10	13:52:39.0	-02:00:08	300	26	3.0	0 Calibration	2	
0064.BHvsNova	600	09:22	15:22:39.0	+39:13:52	300	90	3.0	KH15D	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>
0065.BHvsNova	600	09:32	15:22:39.0	+39:13:52	300	90	3.0	KH15D	2	
0066.BHvsNova	600	09:42	15:22:39.0	+39:13:52	300	90	3.0	KH15D	2	
0067.COMP	10	10:00	15:22:39.0	+39:13:52	300	90	3.0	0 Calibration	2	
0068.AT2017cfc	900	10:13	13:52:39.0	-02:00:08	300	90	3.0	KH15D	2	
0069.COMP	10	10:32	13:52:39.0	-02:00:08	300	90	3.0	0 Calibration	2	
0070.Jupiter	0	10:42	13:18:53.0	-06:38:33	300	90	3.0	Misc.	2	
0071.Jupiter	0	10:48	13:18:53.0	-06:38:33	300	90	3.0	Misc.	2	
0072.M3	1	10:57	13:42:12.0	+28:22:38	300	90	3.0	Misc.	2	
0073.M3	15	10:58	13:42:12.0	+28:22:38	300	90	3.0	Misc.	2	
0074.M3	15	10:59	13:42:12.0	+28:22:38	300	90	3.0	Misc.	2	
0075.2017bkc	600	11:09	17:50:30.0	-01:48:09	300	90	3.0	Supernovae	2	
0076.2017bkc	600	11:19	17:50:30.0	-01:48:09	300	90	3.0	Supernovae	2	
0077.COMP	10	11:30	17:50:30.0	-01:48:09	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
0001-0007.DARK	900	01:47	04:59:44.1	+31:29:12	300	88	3.0	0 Calibration	4	
0008-0017.BIAS	0	02:03	04:59:44.1	+31:29:12	300	88	3.0	0 Calibration	4	
0018-0037.FLAT	7	02:08	04:59:44.1	+31:29:12	300	88	3.0	0 Calibration	2	
0038-0050.BIAS	0	02:11	04:59:44.1	+31:29:12	300	88	3.0	0 Calibration	2	
0051.Hiltner600	90	02:36	06:45:13.4	+02:08:15	300	88	3.0	#56 Spectropho	2	
0052.COMP	10	02:38	06:45:13.4	+02:08:15	300	88	3.0	0 Calibration	2	
0053.G191B2B	300	02:42	05:05:30.6	+52:49:52	300	88	3.0	#56 Spectropho	2	
0054.COMP	10	02:48	05:05:30.6	+52:49:52	300	88	3.0	0 Calibration	2	
0055.GITau	600	02:50	04:33:34.0	+24:21:18	300	88	3.0	#12 Symbiotic	2	
0056.COMP	10	03:00	04:33:34.0	+24:21:18	300	87	3.0	0 Calibration	2	
0057.GKTau	300	03:01	04:33:34.5	+24:21:07	300	87	3.0	#12 Symbiotic	2	
0058.COMP	10	03:06	04:33:34.5	+24:21:07	300	88	3.0	0 Calibration	2	
0059.SS129	300	03:10	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0060.SS129	300	03:15	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0061.COMP	10	03:21	07:32:45.0	-26:49:16	300	70	3.0	0 Calibration	2	
0062.BXMon	15	03:24	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0063.BXMon	180	03:24	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0064.COMP	10	03:28	07:25:23.0	-03:35:51	300	90	3.0	0 Calibration	2	
0065.BGGem	300	03:30	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0066.COMP	10	03:36	06:03:31.0	+27:41:50	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.snASASSN17ds	1800	03:39	08:03:55.2	+26:31:13	300	70	3.0	#220 ASASSN Tr	2	
0068.COMP	10	04:20	08:03:55.2	+26:31:13	300	70	3.0	0 Calibration	2	
0069.snMASTEROTJ083256	1800	04:57	08:32:56.9	-03:51:28	300	11	3.0	#2 SN Observat	2	
0070.snMASTEROTJ083256	1800	05:28	08:32:56.9	-03:51:28	300	11	3.0	#2 SN Observat	2	
0071.COMP	10	05:58	08:32:56.9	-03:51:28	300	11	3.0	0 Calibration	2	
0072.snAT2017cfd	1200	06:10	08:40:49.2	+73:29:15	300	70	3.0	#2 SN Observat	2	
0073.COMP	10	06:30	08:40:49.2	+73:29:15	300	71	3.0	0 Calibration	2	
0074.snASASSN17dv	1800	06:39	09:52:31.3	-21:57:55	300	90	3.0	#220 ASASSN Tr	2	
0075.COMP	10	07:09	09:52:31.3	-21:57:55	300	90	3.0	0 Calibration	2	
0076.snASASSN17dt	1800	07:14	11:06:47.2	+14:12:25	300	90	3.0	#220 ASASSN Tr	2	
0077.COMP	10	07:45	11:06:47.2	+14:12:25	300	89	3.0	0 Calibration	2	
0078.TXCVn	10	07:47	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0079.TXCVn	30	07:47	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0080.COMP	10	07:49	12:44:42.0	+36:45:48	300	89	3.0	0 Calibration	2	
0081.sn2017cfb	1200	07:54	13:54:06.8	+09:24:46	300	89	3.0	#2 SN Observat	2	
0082.COMP	10	08:14	13:54:06.8	+09:24:46	300	89	3.0	0 Calibration	2	
0083.TDE225	900	08:35	14:46:05.2	+68:57:31	300	102	3.0	#225	2	
0084.COMP	10	08:50	14:46:05.2	+68:57:31	300	103	3.0	0 Calibration	2	
0085.TDE225	900	08:52	14:46:05.2	+68:57:31	300	102	3.0	#225	2	
0086.COMP	10	09:07	14:46:05.2	+68:57:31	300	103	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.TDE225	900	09:08	14:46:05.2	+68:57:31	300	103	3.0	#225	2	
0088.COMP	10	09:23	14:46:05.2	+68:57:31	300	102	3.0	0 Calibration	2	
0089.TDE225	900	09:24	14:46:05.2	+68:57:31	300	102	3.0	#225	2	
0090.COMP	10	09:40	14:46:05.2	+68:57:31	300	102	3.0	0 Calibration	2	
0091.snASASSN17bu	1800	09:47	16:33:19.8	+23:43:52	300	91	3.0	#220 ASASSN Tr	2	
0092.COMP	10	10:18	16:33:19.8	+23:43:52	300	89	3.0	0 Calibration	2	
0093.N5866	240	10:22	15:06:29.5	+55:45:48	300	89	3.0	#57 Velocity S	2	
0094.COMP	10	10:26	15:06:29.5	+55:45:48	300	89	3.0	0 Calibration	2	
0095.RWHya	2	10:30	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0096.RWHya	10	10:30	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0097.RWHya	20	10:31	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0098.COMP	10	10:32	13:34:18.0	-25:22:51	300	89	3.0	0 Calibration	2	
0099.TCrB	15	10:35	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0100.TCrB	60	10:36	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0101.COMP	10	10:37	15:59:30.0	+25:55:12	300	89	3.0	0 Calibration	2	
0102.AGDra	2	10:40	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0103.AGDra	15	10:40	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0104.AGDra	60	10:41	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0105.COMP	10	10:43	16:01:41.0	+66:48:10	300	89	3.0	0 Calibration	2	
0106.DracoC1	1200	10:48	17:19:58.0	+57:50:06	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	11:08	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
0108.BDp262606	30	11:10	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0109.COMP	10	11:11	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0110.BDp332642	120	11:13	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0111.COMP	10	11:16	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0112.BDp332642	150	11:20	15:51:59.9	+32:56:54	600	90	1.5	#178 Low Mass	4	
0113.COMP	10	11:23	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0114.j1200p28	1800	11:27	12:00:54.1	+28:59:25	600	90	1.5	#178 Low Mass	4	
0115.COMP	10	11:57	12:00:54.1	+28:59:25	600	91	1.5	0 Calibration	4	
0116.j1415p53	1400	12:00	14:15:49.3	+53:36:39	600	91	1.5	#178 Low Mass	4	
0117.COMP	10	12:24	14:15:49.3	+53:36:39	600	90	1.5	0 Calibration	4	
0118-0127.FLAT	12	12:30	14:15:49.3	+53:36:39	600	90	1.5	0 Calibration	4	
0128-0137.BIAS	0	12:33	14:15:49.3	+53:36:39	600	90	1.5	0 Calibration	4	
0138-0147.BIAS	0	12:39	14:15:49.3	+53:36:39	600	90	1.5	0 Calibration	2	
0148-0157.DARK	900	14:58	14:15:49.3	+53:36:39	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
0001-0010.DARK	900	02:54	14:15:49.3	+53:36:39	600	90	1.5	0 Calibration	4	
0011-0020.BIAS	0	03:30	14:15:49.3	+53:36:39	600	90	1.5	0 Calibration	4	
0021-0030.FLAT	12	06:35	14:15:49.3	+53:36:39	600	90	1.5	0 Calibration	4	
0031.j0813p39	1518	06:39	08:13:21.8	+39:05:35	600	90	1.5	#178 Low Mass	4	
0032.COMP	10	07:05	08:13:21.8	+39:05:35	600	90	1.5	0 Calibration	4	
0033.j0825p60	1700	07:08	08:25:08.3	+60:03:58	600	90	1.5	#178 Low Mass	4	
0034.COMP	10	07:37	08:25:08.3	+60:03:58	600	90	1.5	0 Calibration	4	
0035.j0840p40	660	07:40	08:40:07.7	+40:15:04	600	90	1.5	#178 Low Mass	4	
0036.COMP	10	07:52	08:40:07.7	+40:15:04	600	91	1.5	0 Calibration	4	
0037.j0950p18	1500	07:54	09:50:07.0	+18:37:33	600	91	1.5	#178 Low Mass	4	
0038.COMP	10	08:20	09:50:07.0	+18:37:33	600	91	1.5	0 Calibration	4	
0039.j1114m15	1300	08:23	11:14:51.6	-15:21:42	600	89	1.5	#178 Low Mass	4	
0040.COMP	10	08:46	11:14:51.6	-15:21:42	600	90	1.5	0 Calibration	4	
0041.j1125m11	1500	08:48	11:25:50.0	-11:15:20	600	90	1.5	#178 Low Mass	4	
0042.COMP	10	09:13	11:25:50.0	-11:15:20	600	90	1.5	0 Calibration	4	
0043.j1128m05	1500	09:19	11:28:12.2	-05:46:15	600	90	1.5	#178 Low Mass	4	
0044.COMP	10	09:44	11:28:12.2	-05:46:15	600	90	1.5	0 Calibration	4	
0045.j1144p36	414	09:47	11:44:46.2	+36:41:51	600	90	1.5	#178 Low Mass	4	
0046.COMP	10	09:54	11:44:46.2	+36:41:51	600	90	1.5	0 Calibration	4	
0047.j1156p34	292	09:55	11:56:00.3	+34:07:25	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
0048.COMP	10	10:00	11:56:00.3	+34:07:25	600	90	1.5	0 Calibration	4	
0049.BDp332642	150	10:03	15:51:59.9	+32:56:54	600	90	1.5	#56 Spectropho	4	
0050.COMP	10	10:05	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0051.BDp332642	120	10:17	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	10:19	15:51:59.9	+32:56:54	300	88	3.0	0 Calibration	2	
0053.BDp262606	90	10:22	14:49:02.4	+25:42:09	300	88	3.0	#56 Spectropho	2	
0054.COMP	10	10:24	14:49:02.4	+25:42:09	300	88	3.0	0 Calibration	2	
0055.sn2017cfb	1200	10:31	13:54:06.8	+09:24:46	300	61	3.0	#2 SN Observat	2	
0056.COMP	10	10:52	13:54:06.8	+09:24:46	300	61	3.0	0 Calibration	2	
0057.snASASSN17eb	1800	11:07	15:38:34.0	+13:20:52	300	90	3.0	#220 ASASSN Tr	2	
0058.COMP	10	11:38	15:38:34.0	+13:20:52	300	90	3.0	0 Calibration	2	
0059.snASASSN17co	1800	11:43	18:09:20.9	+18:17:56	300	90	3.0	#220 ASASSN Tr	2	
0060.COMP	10	12:14	18:09:20.9	+18:17:56	300	89	3.0	0 Calibration	2	
0061.AGDra	2	12:17	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0062.AGDra	15	12:18	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0063.AGDra	60	12:18	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0064.COMP	10	12:19	16:01:41.0	+66:48:10	300	89	3.0	0 Calibration	2	
0065.TCrB	15	12:21	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0066.TCrB	60	12:22	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0067.COMP	10	12:23	15:59:30.0	+25:55:12	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>
0068.Hen1341	12	12:25	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0069.Hen1341	30	12:26	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0070.Hen1341	60	12:27	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0071.COMP	10	12:28	17:08:36.0	-17:26:30	300	89	3.0	0 Calibration	2	
0072-0091.BIAS	0	12:36	17:08:36.0	-17:26:30	300	89	3.0	0 Calibration	2	
0092-0101.BIAS	0	12:37	17:08:36.0	-17:26:30	300	89	3.0	0 Calibration	4	
0102-0121.FLAT	7	12:48	17:08:36.0	-17:26:30	300	89	3.0	0 Calibration	2	
0122-0131.DARK	900	15:07	17:08:36.0	-17:26:30	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
0001-0010.BIAS	0	01:56	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0011-0021.FLAT	7	02:01	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0022.FLAT	7	02:01	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	nicely
0023-0025.FLAT	7	02:02	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0026.AWI0005zh3	10	02:40	04:58:36.9	-04:33:34	300	89	3.0	#219 WISE Debr	2	
0027.AWI0005zh3	20	02:40	04:58:36.9	-04:33:34	300	89	3.0	#219 WISE Debr	2	
0028.COMP	10	02:41	04:58:36.9	-04:33:34	300	89	3.0	0 Calibration	2	
0029.AWI0002p2o	180	02:43	06:43:59.7	+03:28:10	300	89	3.0	#219 WISE Debr	2	
0030.COMP	10	02:47	06:43:59.7	+03:28:10	300	89	3.0	0 Calibration	2	
0031.AWI00062xg	900	02:49	05:30:54.7	+14:21:52	300	89	3.0	#219 WISE Debr	2	
0032.COMP	10	03:05	05:30:54.7	+14:21:52	300	89	3.0	0 Calibration	2	
0034.AWI00055zx	10	03:08	06:55:56.2	+27:17:09	300	88	3.0	#219 WISE Debr	2	
0035.AWI00055zx	10	03:08	06:55:56.2	+27:17:09	300	88	3.0	#219 WISE Debr	2	
0036.COMP	10	03:09	06:55:56.2	+27:17:09	300	88	3.0	0 Calibration	2	
0037.AWI0005c3v	120	03:10	07:17:28.9	+35:04:54	300	88	3.0	#219 WISE Debr	2	
0038.AWI0005c3v	180	03:13	07:17:28.9	+35:04:54	300	88	3.0	#219 WISE Debr	2	
0039.COMP	10	03:17	07:17:28.9	+35:04:54	300	88	3.0	0 Calibration	2	
0040.AWI0005d80	90	03:18	08:12:58.0	+40:21:07	300	88	3.0	#219 WISE Debr	2	
0041.COMP	10	03:21	08:12:58.0	+40:21:07	300	88	3.0	0 Calibration	2	
0042.snAT2017cfd	1800	03:23	08:40:49.2	+73:29:15	300	88	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0043.COMP	10	03:54	08:40:49.2	+73:29:15	300	89	3.0	0 Calibration	2	
0044.sn2016bkv	1800	03:57	10:18:19.3	+41:25:39	300	89	3.0	#2 SN Observat	2	
0045.sn2016bkv	1800	04:42	10:18:19.3	+41:25:39	300	89	3.0	#2 SN Observat	2	
0046.sn2016bkv	1800	05:12	10:18:19.3	+41:25:39	300	89	3.0	#2 SN Observat	2	
0047.COMP	10	05:43	10:18:19.3	+41:25:39	300	88	3.0	0 Calibration	2	
0048.Feige34	180	05:45	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0049.COMP	10	05:49	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0050.HD84937	30	05:51	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0051.COMP	10	05:52	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0052.snATLAS17bas	1800	05:55	11:07:35.5	+22:51:04	300	89	3.0	#2 SN Observat	2	
0053.COMP	10	06:36	11:07:35.5	+22:51:04	300	89	3.0	0 Calibration	2	
0054.sn2017cfb	1800	06:42	13:54:06.8	+09:24:46	300	89	3.0	#2 SN Observat	2	
0055.COMP	10	07:13	13:54:06.8	+09:24:46	300	88	3.0	0 Calibration	2	
0056.sn2017ckg	1800	07:18	13:22:05.9	-13:08:10	300	88	3.0	#2 SN Observat	2	
0057.COMP	10	07:50	13:22:05.9	-13:08:10	300	88	3.0	0 Calibration	2	
0058.AWI0005dx5	120	07:58	14:32:36.6	-00:05:30	300	88	3.0	#219 WISE Debr	2	
0059.AWI0005dx5	360	08:00	14:32:36.6	-00:05:30	300	88	3.0	#219 WISE Debr	2	
0060.COMP	10	08:08	14:32:36.6	-00:05:30	300	89	3.0	0 Calibration	2	
0061.snASASSN17eb	1800	08:29	15:38:34.1	+13:20:52	300	89	3.0	#220 ASASSN Tr	2	
0062.snASASSN17eb	1800	08:59	15:38:34.1	+13:20:52	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
0063.COMP	10	09:41	15:38:34.1	+13:20:52	300	88	3.0	0 Calibration	2	
0064.AWI0005dr3	180	09:46	15:32:03.2	+63:43:04	300	88	3.0	#219 WISE Debr	2	
0065.AWI0005dr3	240	09:50	15:32:03.2	+63:43:04	300	88	3.0	#219 WISE Debr	2	
0066.COMP	10	09:56	15:32:03.2	+63:43:04	300	88	3.0	0 Calibration	2	
0067.BDp332642	120	09:58	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0068.COMP	10	10:00	15:51:59.9	+32:56:54	300	88	3.0	0 Calibration	2	
0069.BDp262606	90	10:02	14:49:02.4	+25:42:09	300	88	3.0	#56 Spectropho	2	
0070.COMP	10	10:04	14:49:02.4	+25:42:09	300	88	3.0	0 Calibration	2	
0071.AWI0005ch8	10	10:06	16:15:47.5	-15:35:38	300	88	3.0	#219 WISE Debr	2	
0072.AWI0005ch8	15	10:08	16:15:47.5	-15:35:38	300	88	3.0	#219 WISE Debr	2	
0073.COMP	10	10:09	16:15:47.5	-15:35:38	300	88	3.0	0 Calibration	2	
0074.AWI0005cgt	15	10:10	16:12:44.1	-19:30:11	300	88	3.0	#219 WISE Debr	2	
0075.AWI0005cgt	15	10:11	16:12:44.1	-19:30:11	300	88	3.0	#219 WISE Debr	2	
0076.COMP	10	10:11	16:12:44.1	-19:30:11	300	88	3.0	0 Calibration	2	
0077.AWI0005ch6	1800	10:16	16:15:27.5	-18:47:10	300	88	3.0	#219 WISE Debr	2	
0078.COMP	10	10:47	16:15:27.5	-18:47:10	300	89	3.0	0 Calibration	2	
0079.AWI0005ciq	20	10:51	16:37:29.9	-11:52:12	300	89	3.0	#219 WISE Debr	2	
0080.AWI0005ciq	30	10:52	16:37:29.9	-11:52:12	300	89	3.0	#219 WISE Debr	2	
0081.COMP	10	10:52	16:37:29.9	-11:52:12	300	89	3.0	0 Calibration	2	
0082.AWI0005cjd	900	10:54	16:43:50.5	-07:04:01	300	89	3.0	#219 WISE Debr	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.COMP	10	11:13	16:43:50.5	-07:04:01	300	89	3.0	0 Calibration	2	
0084.AWI0005be8	1200	11:14	17:02:07.5	-09:46:52	300	89	3.0	#219 WISE Debr	2	
0085.COMP	10	11:35	17:02:07.5	-09:46:52	300	88	3.0	0 Calibration	2	
0086.AWI000590x	1200	11:37	17:47:36.5	-00:30:15	300	88	3.0	#219 WISE Debr	2	
0087.COMP	10	11:58	17:47:36.5	-00:30:15	300	88	3.0	0 Calibration	2	
0088.RS0ph	60	11:59	17:50:13.0	-06:42:30	300	88	3.0	#12 Symbiotic	2	
0089.RS0ph	20	12:01	17:50:13.0	-06:42:30	300	88	3.0	#12 Symbiotic	2	
0090.RS0ph	180	12:01	17:50:13.0	-06:42:30	300	88	3.0	#12 Symbiotic	2	
0091.COMP	10	12:05	17:50:13.0	-06:42:30	300	88	3.0	0 Calibration	2	
0092.AS210	60	12:06	16:51:20.3	-26:00:33	300	88	3.0	#12 Symbiotic	2	
0093.AS210	15	12:07	16:51:20.3	-26:00:33	300	88	3.0	#12 Symbiotic	2	
0094.AS210	300	12:08	16:51:20.3	-26:00:33	300	88	3.0	#12 Symbiotic	2	
0095.COMP	10	12:13	16:51:20.3	-26:00:33	300	89	3.0	0 Calibration	2	
0096.AWI0002m4k	20	12:16	18:27:49.9	+00:12:00	300	89	3.0	#219 WISE Debr	2	
0097.COMP	10	12:17	18:27:49.9	+00:12:00	300	89	3.0	0 Calibration	2	
0098.AWI0005bnf	45	12:18	17:46:57.8	+05:25:33	300	89	3.0	#219 WISE Debr	2	
0099.AWI0005bnf	30	12:20	17:46:57.8	+05:25:33	300	89	3.0	#219 WISE Debr	2	
0100.COMP	10	12:20	17:46:57.8	+05:25:33	300	89	3.0	0 Calibration	2	
0101.AWI0005bgk	20	12:22	17:14:23.2	-04:09:43	300	89	3.0	#219 WISE Debr	2	
0102.COMP	10	12:22	17:14:23.2	-04:09:43	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>
0103.AWI0005d3d	3	12:25	17:03:39.3	+13:36:19	300	89	3.0	#219 WISE Debr	2	
0104.AWI0005d3d	3	12:25	17:03:39.3	+13:36:19	300	89	3.0	#219 WISE Debr	2	
0105.COMP	5	12:26	17:03:39.3	+13:36:19	300	89	3.0	0 Calibration	2	
0106-0115.BIAS	0	12:32	17:03:39.3	+13:36:19	300	89	3.0	0 Calibration	2	
0116-0130.FLAT	7	12:38	17:03:39.3	+13:36:19	300	89	3.0	0 Calibration	2	
0131-0135.DARK	1200	14:01	17:03:39.3	+13:36:19	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	01:10	17:03:39.3	+13:36:19	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:16	17:03:39.3	+13:36:19	300	89	3.0	0 Calibration	2	
0026-0035.BIAS	0	01:35	06:34:48.5	+36:47:21	600	89	1.5	0 Calibration	4	
0036-0050.FLAT	12	01:41	06:34:48.5	+36:47:21	600	89	1.5	0 Calibration	4	
0051.j0710p40	200	02:23	07:10:11.1	+40:36:22	600	89	1.5	#178 Low Mass	4	
0052.COMP	10	02:28	07:10:11.1	+40:36:22	600	89	1.5	0 Calibration	4	
0053.j0727p23	200	02:29	07:27:37.7	+23:18:13	600	89	1.5	#178 Low Mass	4	
0054.COMP	10	02:33	07:27:37.7	+23:18:13	600	89	1.5	0 Calibration	4	
0055.j0728m13	420	02:35	07:28:05.0	-13:02:58	600	89	1.5	#178 Low Mass	4	
0056.COMP	10	02:42	07:28:05.0	-13:02:58	600	89	1.5	0 Calibration	4	
0057.j0713p01	1400	02:45	07:13:06.6	+01:25:42	600	88	1.5	#178 Low Mass	4	
0058.COMP	10	03:09	07:13:06.6	+01:25:42	600	89	1.5	0 Calibration	4	
0059.j0619p07	1100	03:11	06:19:20.4	+07:35:31	600	89	1.5	#178 Low Mass	4	
0060.COMP	10	03:30	06:19:20.4	+07:35:31	600	89	1.5	0 Calibration	4	
0061.j0615p34	900	03:32	06:15:48.0	+34:46:50	600	88	1.5	#178 Low Mass	4	
0062.COMP	10	03:47	06:15:48.0	+34:46:50	600	88	1.5	0 Calibration	4	
0063.j0634p36	1500	03:49	06:34:48.5	+36:47:21	600	88	1.5	#178 Low Mass	4	
0064.COMP	10	04:15	06:34:48.5	+36:47:21	600	89	1.5	0 Calibration	4	
0065.j0655p15	1200	04:17	06:55:13.8	+15:56:55	600	89	1.5	#178 Low Mass	4	
0066.COMP	10	04:38	06:55:13.8	+15:56:55	600	89	1.5	0 Calibration	4	

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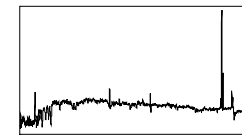
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.j0728p17	1400	04:39	07:28:42.7	+17:07:52	600	89	1.5	#178 Low Mass	4	
0068.COMP	10	05:03	07:28:42.7	+17:07:52	600	88	1.5	0 Calibration	4	
0069.j0735p16	1400	05:04	07:35:24.1	+16:26:23	600	88	1.5	#178 Low Mass	4	
0070.COMP	10	05:28	07:35:24.1	+16:26:23	600	89	1.5	0 Calibration	4	
0071.j0750p08	1700	05:30	07:50:48.4	+08:30:28	600	89	1.5	#178 Low Mass	4	
0072.COMP	10	05:59	07:50:48.4	+08:30:28	600	89	1.5	0 Calibration	4	
0073.Feige34	180	06:01	10:39:36.7	+43:06:09	600	89	1.5	#56 Spectropho	4	
0074.COMP	10	06:04	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	
0075.test	10	06:08	11:30:00.0	+32:00:00	300	87	3.0	#56 Spectropho	2	
0076.Feige34	180	06:10	10:39:36.7	+43:06:09	300	87	3.0	#56 Spectropho	2	
0077.COMP	10	06:14	10:39:36.7	+43:06:09	300	87	3.0	0 Calibration	2	
0078.snAT2017cfd	1500	06:16	08:40:49.2	+73:29:15	300	87	3.0	#2 SN Observat	2	
0079.COMP	10	06:42	08:40:49.2	+73:29:15	300	88	3.0	0 Calibration	2	
0080.PS17bgn	1800	06:49	11:31:53.0	+29:59:45	300	88	3.0	#225	2	
0081.PS17bgn	1800	07:19	11:31:53.0	+29:59:45	300	88	3.0	#225	2	
0082.PS17bgn	1800	07:49	11:31:53.0	+29:59:45	300	88	3.0	#225	2	
0083.COMP	10	08:19	11:31:53.0	+29:59:45	300	87	3.0	0 Calibration	2	
0084.sn2017cfb	1800	08:23	13:54:06.8	+09:24:46	300	87	3.0	#2 SN Observat	2	
0085.COMP	10	08:53	13:54:06.8	+09:24:46	300	88	3.0	0 Calibration	2	
0086.BDp262606	90	08:56	14:49:02.4	+25:42:09	300	88	3.0	#56 Spectropho	2	

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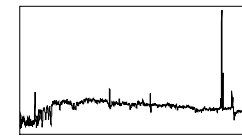
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0087.COMP	10	08:59	14:49:02.4	+25:42:09	300	88	3.0	0 Calibration	2	
0088-0097.BIAS	0	12:06	15:38:34.1	+13:20:52	300	88	3.0	0 Calibration	2	
0098-0112.FLAT	7	12:13	15:38:34.1	+13:20:52	300	88	3.0	0 Calibration	2	
0113-0117.DARK	900	13:17	15:38:34.1	+13:20:52	300	88	3.0	0 Calibration	2	
0118-0122.DARK	900	14:33	15:38:34.1	+13:20:52	300	88	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:58	15:38:34.1	+13:20:52	300	88	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:04	15:38:34.1	+13:20:52	300	88	3.0	0 Calibration	2	
0026-0035.BIAS	0	01:50	08:04:21.0	+22:50:17	600	88	1.5	0 Calibration	4	
0036.FLAT	12	01:51	08:04:21.0	+22:50:17	600	88	1.5	0 Calibration	4	600-line, 1.5-sec, blue 445
0037-0050.FLAT	12	01:55	08:04:21.0	+22:50:17	600	88	1.5	0 Calibration	4	
0051.j0731p23	1000	02:32	07:31:45.1	+23:53:53	600	88	1.5	#178 Low Mass	4	
0052.COMP	10	02:50	07:31:45.1	+23:53:53	600	87	1.5	0 Calibration	4	
0053.j0714p32	1000	02:51	07:14:51.1	+32:04:08	600	87	1.5	#178 Low Mass	4	
0054.COMP	10	03:08	07:14:51.1	+32:04:08	600	87	1.5	0 Calibration	4	
0055.j0607p22	720	03:10	06:07:17.0	+22:59:56	600	88	1.5	#178 Low Mass	4	correct target ID, bright at 14.5
0056.COMP	10	03:23	06:07:17.0	+22:59:56	600	88	1.5	0 Calibration	4	
0057.j0630p26	1500	03:25	06:30:19.5	+26:18:31	600	45	1.5	#178 Low Mass	4	
0058.COMP	10	03:51	06:30:19.5	+26:18:31	600	45	1.5	0 Calibration	4	
0059.j0713p01	1400	03:54	07:13:06.6	+01:25:42	600	89	1.5	#178 Low Mass	4	
0060.COMP	10	04:18	07:13:06.6	+01:25:42	600	89	1.5	0 Calibration	4	
0061.j0731m00	1400	04:20	07:31:40.6	-00:15:40	600	90	1.5	#178 Low Mass	4	
0062.COMP	10	04:44	07:31:40.6	-00:15:40	600	90	1.5	0 Calibration	4	
0063.j0753m00	1500	04:45	07:53:58.9	-00:09:48	600	90	1.5	#178 Low Mass	4	
0064.COMP	10	05:11	07:53:58.9	-00:09:48	600	90	1.5	0 Calibration	4	
0065.j0756p05	1260	05:14	07:56:05.2	+05:01:07	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
0066.COMP	10	05:35	07:56:05.2	+05:01:07	600	90	1.5	0 Calibration	4	
0067.j0757p14	1000	05:36	07:57:18.9	+14:20:53	600	90	1.5	#178 Low Mass	4	
0068.COMP	10	05:53	07:57:18.9	+14:20:53	600	89	1.5	0 Calibration	4	
0069.Feige34	180	05:56	10:39:36.7	+43:06:09	600	89	1.5	#56 Spectropho	4	
0070.COMP	10	06:00	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0071.test	10	06:04	11:30:00.0	+32:00:00	300	90	3.0	#56 Spectropho	2	
0072.Feige34	180	06:06	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	300-line, 3-sec
0073.COMP	10	06:09	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0074.HD84937	30	06:10	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0075.COMP	10	06:11	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0076.snASASSN17ee	600	06:13	07:48:11.0	+28:13:49	300	89	3.0	#220 ASASSN Tr	2	
0077.snASASSN17ee	600	06:24	07:48:11.0	+28:13:49	300	89	3.0	#220 ASASSN Tr	2	
0078.snASASSN17ee	600	06:34	07:48:11.0	+28:13:49	300	89	3.0	#220 ASASSN Tr	2	
0079.COMP	10	06:44	07:48:11.0	+28:13:49	300	89	3.0	0 Calibration	2	
0080.snAT2017cfd	1800	06:47	08:40:49.2	+73:29:15	300	89	3.0	#2 SN Observat	2	
0081.COMP	10	07:17	08:40:49.2	+73:29:15	300	90	3.0	0 Calibration	2	
0083.sn2917cjb	1800	07:26	10:10:45.6	-03:46:40	300	90	3.0	#2 SN Observat	2	
0084.COMP	10	07:57	10:10:45.6	-03:46:40	300	89	3.0	0 Calibration	2	
0085.sn2017cfb	1800	08:05	13:54:06.8	+09:24:46	300	89	3.0	#2 SN Observat	2	
0086.COMP	10	08:36	13:54:06.8	+09:24:46	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.snAT2017cfc	1800	08:38	13:52:39.0	-02:00:08	300	89	3.0	#2 SN Observat	2	
0088.COMP	10	09:09	13:52:39.0	-02:00:08	300	90	3.0	0 Calibration	2	
0089.PS17bsd	1800	09:11	13:56:28.9	+22:03:57	300	90	3.0	#225	2	
0090.PS17bsd	1800	09:41	13:56:28.9	+22:03:57	300	90	3.0	#225	2	
0091.COMP	10	10:12	13:56:28.9	+22:03:57	300	89	3.0	0 Calibration	2	
0092.BDp262606	90	10:13	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0093.COMP	10	10:15	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0094.BDp332642	120	10:17	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0095.COMP	10	10:20	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0096.AWI0005dle	3	10:30	17:56:26.3	+62:37:10	300	89	3.0	#219 WISE Debr	2	
0097.AWI0005dle	15	10:30	17:56:26.3	+62:37:10	300	89	3.0	#219 WISE Debr	2	
0098.COMP	10	10:31	17:56:26.3	+62:37:10	300	89	3.0	0 Calibration	2	
0099.AWI0005d5p	3	10:38	18:02:30.7	+58:37:39	300	89	3.0	#219 WISE Debr	2	
0100.AWI0005d5p	10	10:38	18:02:30.7	+58:37:39	300	89	3.0	#219 WISE Debr	2	
0101.COMP	10	10:39	18:02:30.7	+58:37:39	300	89	3.0	0 Calibration	2	
0102.AWI0005d6h	3	10:41	18:19:08.1	+71:31:05	300	89	3.0	#219 WISE Debr	2	
0103.AWI0005d6h	10	10:42	18:19:08.1	+71:31:05	300	89	3.0	#219 WISE Debr	2	
0104.COMP	10	10:42	18:19:08.1	+71:31:05	300	89	3.0	0 Calibration	2	
0106.AWI0005cs0	6	10:46	19:09:45.8	+65:58:43	300	89	3.0	#219 WISE Debr	2	
0107.AWI0005cs0	6	10:46	19:09:45.8	+65:58:43	300	89	3.0	#219 WISE Debr	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0108.COMP	10	10:47	19:09:45.8	+65:58:43	300	89	3.0	0 Calibration	2	
0109.AWI00059ad	420	10:51	18:05:42.3	+08:31:45	300	89	3.0	#219 WISE Debr	2	
0110.COMP	10	10:59	18:05:42.3	+08:31:45	300	88	3.0	0 Calibration	2	
0111.AWI0002008	420	11:03	18:27:21.6	-03:14:16	300	88	3.0	#219 WISE Debr	2	
0112.COMP	10	11:11	18:27:21.6	-03:14:16	300	88	3.0	0 Calibration	2	
0113.YYHer	60	11:15	18:14:34.0	+20:59:19	300	88	3.0	#12 Symbiotic	2	
0114.YYHer	360	11:16	18:14:34.0	+20:59:19	300	88	3.0	#12 Symbiotic	2	
0115.COMP	10	11:23	18:14:34.0	+20:59:19	300	88	3.0	0 Calibration	2	
0116.V443Her	60	11:24	18:22:07.0	+23:27:20	300	88	3.0	#12 Symbiotic	2	
0117.V443Her	20	11:26	18:22:07.0	+23:27:20	300	88	3.0	#12 Symbiotic	2	
0118.V443Her	120	11:27	18:22:07.0	+23:27:20	300	88	3.0	#12 Symbiotic	2	
0119.COMP	10	11:30	18:22:07.0	+23:27:20	300	88	3.0	0 Calibration	2	
0120.AS338	60	11:31	19:03:47.0	+16:26:17	300	88	3.0	#12 Symbiotic	2	
0121.AS338	600	11:33	19:03:47.0	+16:26:17	300	88	3.0	#12 Symbiotic	2	
0122.COMP	10	11:44	19:03:47.0	+16:26:17	300	88	3.0	0 Calibration	2	
0123.BFCyg	30	11:45	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	
0124.BFCyg	15	11:46	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	
0125.COMP	10	11:47	19:23:53.0	+29:40:27	300	88	3.0	0 Calibration	2	
0127.CHCyg	15	11:50	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	
0128.CHCyg	3	11:51	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0129.CHCyg	3	11:52	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	
0130.COMP	10	11:53	19:24:33.0	+50:14:30	300	88	3.0	0 Calibration	2	
0131.CICyg	15	11:54	19:50:12.0	+35:41:02	300	88	3.0	#12 Symbiotic	2	
0132.CICyg	60	11:56	19:50:12.0	+35:41:02	300	88	3.0	#12 Symbiotic	2	
0133.CICyg	5	11:57	19:50:12.0	+35:41:02	300	88	3.0	#12 Symbiotic	2	
0134.COMP	10	11:58	19:50:12.0	+35:41:02	300	88	3.0	0 Calibration	2	
0135.AS360	60	11:59	19:45:49.0	+18:36:49	300	88	3.0	#12 Symbiotic	2	
0136.AS360	420	12:01	19:45:49.0	+18:36:49	300	88	3.0	#12 Symbiotic	2	
0137.COMP	10	12:08	19:45:49.0	+18:36:49	300	88	3.0	0 Calibration	2	
0138.HMSge	15	12:09	19:41:57.0	+16:44:41	300	88	3.0	#12 Symbiotic	2	
0139.HMSge	5	12:10	19:41:57.0	+16:44:41	300	88	3.0	#12 Symbiotic	2	
0140.HMSge	60	12:10	19:41:57.0	+16:44:41	300	88	3.0	#12 Symbiotic	2	
0141.HMSge	300	12:12	19:41:57.0	+16:44:41	300	88	3.0	#12 Symbiotic	2	
0142.COMP	10	12:17	19:41:57.0	+16:44:41	300	89	3.0	0 Calibration	2	
0143.AS296	30	12:19	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0144.AS296	120	12:20	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0145.COMP	10	12:22	18:15:07.0	-00:18:52	300	89	3.0	0 Calibration	2	
0146-0150.DARK	900	13:36	18:15:07.0	-00:18:52	300	89	3.0	0 Calibration	2	
0151-0154.DARK	900	14:37	18:15:07.0	-00:18:52	300	89	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0003.DARK	900	01:51	06:25:25.9	+31:31:18	300	88	3.0	0 Calibration	4	
0004-0013.BIAS	0	02:19	06:25:25.9	+31:31:18	600	88	1.5	0 Calibration	4	
0014-0023.FLAT	12	02:24	06:25:25.9	+31:31:18	600	88	1.5	0 Calibration	4	
0024.G191B2B	360	02:33	05:05:30.6	+52:49:52	600	88	1.5	#56 Spectropho	4	
0025.COMP	10	02:40	05:05:30.6	+52:49:52	600	88	1.5	0 Calibration	4	
0026.j0517m00	1320	02:45	05:17:47.2	-00:32:34	600	88	1.5	#178 Low Mass	4	
0027.COMP	10	03:08	05:17:47.2	-00:32:34	600	88	1.5	0 Calibration	4	
0028.j0519m04	734	03:10	05:19:49.2	-04:43:00	600	88	1.5	#178 Low Mass	4	
0029.COMP	10	03:22	05:19:49.2	-04:43:00	600	87	1.5	0 Calibration	4	
0030.j0620p07	1200	03:25	06:20:54.4	+07:00:50	600	86	1.5	#178 Low Mass	4	
0031.COMP	10	03:45	06:20:54.4	+07:00:50	600	87	1.5	0 Calibration	4	
0032.j0634m19	1500	03:48	06:34:14.7	-19:35:53	600	94	1.5	#178 Low Mass	4	
0033.COMP	10	04:14	06:34:14.7	-19:35:53	600	95	1.5	0 Calibration	4	
0034.j0632p27	933	04:16	06:32:20.8	+27:23:40	600	90	1.5	#178 Low Mass	4	
0035.COMP	10	04:32	06:32:20.8	+27:23:40	600	91	1.5	0 Calibration	4	
0036.j0658p12	1200	04:56	06:58:49.0	+12:18:16	600	70	1.5	#178 Low Mass	4	
0037.COMP	10	05:17	06:58:49.0	+12:18:16	600	70	1.5	0 Calibration	4	
0038.j0713p67	1500	05:22	07:13:46.1	+67:09:41	600	89	1.5	#178 Low Mass	4	
0039.COMP	10	05:47	07:13:46.1	+67:09:41	600	90	1.5	0 Calibration	4	
0040.PS17bgn	1800	06:03	11:31:53.0	+29:59:45	300	90	3.0	#225	2	special red tilt for Peter

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0041.COMP	10	06:34	11:31:53.0	+29:59:45	300	89	3.0	0 Calibration	2	
0042.PS17bgn	1800	06:35	11:31:53.0	+29:59:45	300	89	3.0	#225	2	
0043.COMP	10	07:10	11:31:53.0	+29:59:45	300	89	3.0	0 Calibration	2	
0044.PS17bgn	1800	07:12	11:31:53.0	+29:59:45	300	89	3.0	#225	2	
0045.COMP	10	07:42	11:31:53.0	+29:59:45	300	89	3.0	0 Calibration	2	
0046.PS17bgn	1800	07:43	11:31:53.0	+29:59:45	300	89	3.0	#225	2	
0047.COMP	10	08:14	11:31:53.0	+29:59:45	300	89	3.0	0 Calibration	2	
0048.PS17bgn	1800	08:14	11:31:53.0	+29:59:45	300	89	3.0	#225	2	
0049.COMP	10	08:45	11:31:53.0	+29:59:45	300	89	3.0	0 Calibration	2	
0050.BDp262606	80	08:47	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0051.COMP	10	08:49	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0052.BDp332642	120	08:50	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0053.COMP	10	08:52	15:51:59.9	+32:56:54	300	82	3.0	0 Calibration	2	
0054-0063.FLAT	7	09:03	10:38:15.6	+15:14:00	300	90	3.0	0 Calibration	2	
0064.COMP	5	09:05	10:38:15.6	+15:14:00	300	90	3.0	0 Calibration	2	test
0065.BIAS	0	09:18	14:23:18.1	+31:35:19	300	89	3.0	0 Calibration	2	
0066.snAT2017cfc	1800	09:57	13:52:39.0	-02:00:08	300	90	3.0	#2 SN Observat	2	
0067.COMP	10	10:28	13:52:39.0	-02:00:08	300	90	3.0	0 Calibration	2	
0068.sn2017cfb	1800	10:32	13:54:06.8	+09:24:46	300	90	3.0	#2 SN Observat	2	
0069.COMP	10	11:03	13:54:06.8	+09:24:46	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
0070.PS17buf	1800	11:06	14:33:59.1	+24:19:13	300	90	3.0	#225	2	
0071.COMP	10	11:37	14:33:59.1	+24:19:13	300	90	3.0	0 Calibration	2	
0072.snASASSN17eb	1800	11:40	15:38:34.1	+13:20:52	300	90	3.0	#220 ASASSN Tr	2	
0073.COMP	10	12:10	15:38:34.1	+13:20:52	300	90	3.0	0 Calibration	2	
0074.BDp262606	90	12:12	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0075.COMP	10	12:14	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0076.BDp332642	120	12:15	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0077.COMP	10	12:18	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0078.N5866	240	12:22	15:06:29.5	+55:45:48	300	90	3.0	#57 Velocity S	2	
0079.COMP	10	12:26	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	2	
0080-0089.BIAS	0	12:31	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	2	
0090-0109.FLAT	7	12:38	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	2	
0110-0119.BIAS	0	12:40	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	4	
0120-0124.DARK	900	13:48	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	4	
0125-0129.DARK	900	15:04	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	2	

UT Date 2017-03-31 Observers M CalkinsColl. Focus 1280 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0009.DARK	900	02:19	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	4	
0010-0020.BIAS	0	02:35	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	4	
0021-0040.FLAT	7	02:41	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:44	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	2	
0051.HD84937	40	02:48	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	02:49	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0053.HD84937	20	02:52	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0054.COMP	10	02:53	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0055.snAT2017cfd	1800	03:05	08:40:49.2	+73:29:15	300	60	3.0	#2 SN Observat	2	
0056.COMP	10	03:36	08:40:49.2	+73:29:15	300	60	3.0	0 Calibration	2	
0057.sn2917cjb	1800	03:40	10:10:45.6	-03:46:40	300	89	3.0	#2 SN Observat	2	
0058.COMP	10	04:12	10:10:45.6	-03:46:40	300	90	3.0	0 Calibration	2	
0059.snATLAS17bas	1800	04:17	11:07:35.5	+22:51:04	300	89	3.0	#2 SN Observat	2	
0060.COMP	10	04:48	11:07:35.5	+22:51:04	300	89	3.0	0 Calibration	2	
0061.Feige34	120	04:50	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0062.COMP	10	04:52	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0063.10550522-0912414	1500	05:09	10:55:05.2	-09:12:42	600	89	2.0	#228 M Dwarfs	2	
0064.COMP	10	05:35	10:55:05.2	-09:12:42	600	89	2.0	0 Calibration	2	
0065.10501052-0639131	1800	05:38	10:50:10.5	-06:39:13	600	90	2.0	#228 M Dwarfs	2	
0066.COMP	10	06:08	10:50:10.5	-06:39:13	600	90	2.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.11042520-1748082	1800	06:11	11:04:25.2	-17:48:08	600	90	2.0	#228 M Dwarfs	2	
0068.COMP	10	06:42	11:04:25.2	-17:48:08	600	90	2.0	0 Calibration	2	
0069.11280702+0141304	1800	06:45	11:28:07.0	+01:41:30	600	90	2.0	#228 M Dwarfs	2	
0070.11280702+0141304	1800	07:18	11:28:07.0	+01:41:30	600	90	2.0	#228 M Dwarfs	2	
0071.COMP	10	07:49	11:28:07.0	+01:41:30	600	90	2.0	0 Calibration	2	
0072.11515529-0131319	1800	07:52	11:51:55.3	-01:31:32	600	90	2.0	#228 M Dwarfs	2	
0073.COMP	10	08:22	11:51:55.3	-01:31:32	600	90	2.0	0 Calibration	2	
0074.BDp262606	60	08:25	14:49:02.4	+25:42:09	600	90	2.0	#228 M Dwarfs	2	
0075.COMP	10	08:27	14:49:02.4	+25:42:09	600	90	2.0	0 Calibration	2	
0076-0085.FLAT	12	08:31	14:49:02.4	+25:42:09	600	90	2.0	0 Calibration	2	
0086.COMP	5	08:35	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0087.COMP	5	08:36	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0088.COMP	5	08:38	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0089.snAT2017cfc	2400	08:44	13:52:39.0	-02:00:08	300	90	3.0	#2 SN Observat	2	
0090.COMP	10	09:24	13:52:39.0	-02:00:08	300	90	3.0	0 Calibration	2	
0091.snASASSN17eb	2100	09:36	15:38:34.1	+13:20:52	300	90	3.0	#220 ASASSN Tr	2	
0092.snASASSN17eb	2100	10:12	15:38:34.1	+13:20:52	300	90	3.0	#220 ASASSN Tr	2	
0093.COMP	10	10:47	15:38:34.1	+13:20:52	300	90	3.0	0 Calibration	2	
0094.BDp262606	30	10:49	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0095.COMP	10	10:50	14:49:02.4	+25:42:09	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>
0096.BDp262606	80	10:51	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0097.COMP	10	10:53	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0098.BDp332642	240	10:54	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0099.COMP	10	10:59	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0100-0119.FLAT	7	11:06	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0120-0129.BIAS	0	11:08	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0130.BDp332642	180	11:34	15:51:59.9	+32:56:54	600	90	1.5	#56 Spectropho	4	
0131.COMP	10	11:38	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0132-0141.FLAT	12	11:50	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0142-0151.BIAS	0	11:55	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0152-0161.DARK	900	14:47	15:51:59.9	+32:56:54	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
0001-0007.DARK	900	01:52	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0008-0020.BIAS	0	02:08	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0021-0030.FLAT	12	02:16	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0031.Feige34	240	02:33	10:39:36.7	+43:06:09	600	89	1.5	#56 Spectropho	4	
0032.COMP	10	02:37	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	
0033.j0740m10	2100	03:14	07:40:14.6	-10:26:37	600	89	1.5	#178 Low Mass	4	
0034.COMP	10	03:50	07:40:14.6	-10:26:37	600	90	1.5	0 Calibration	4	
0035.j0749m02	1800	03:53	07:49:42.8	-02:11:56	600	90	1.5	#178 Low Mass	4	
0036.COMP	10	04:23	07:49:42.8	-02:11:56	600	90	1.5	0 Calibration	4	
0037.j0740p13	2100	05:24	07:40:30.3	+13:59:39	600	90	1.5	#178 Low Mass	4	
0038.COMP	10	05:59	07:40:30.3	+13:59:39	600	90	1.5	0 Calibration	4	
0039.j0743p12	1800	06:02	07:43:57.4	+12:48:12	600	75	1.5	#178 Low Mass	4	
0040.COMP	10	06:33	07:43:57.4	+12:48:12	600	76	1.5	0 Calibration	4	
0041.j0745p10	600	06:35	07:45:34.9	+10:13:04	600	90	1.5	#178 Low Mass	4	seeing trying to improve
0042.COMP	10	06:46	07:45:34.9	+10:13:04	600	90	1.5	0 Calibration	4	
0043.Feige34	240	06:53	10:39:36.7	+43:06:09	600	89	1.5	#56 Spectropho	4	
0044.COMP	10	06:58	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	
0045.sn2017coa	2100	07:07	08:49:55.5	+56:05:57	300	89	3.0	#2 SN Observat	2	
0046.COMP	10	07:43	08:49:55.5	+56:05:57	300	89	3.0	0 Calibration	2	
0047.HD84937	30	07:45	09:48:56.1	+13:44:39	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
0048.COMP	10	07:46	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0049.Feige34	150	07:48	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0050.COMP	10	07:51	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0051.sn2917cjb	2100	07:54	10:10:45.6	-03:46:40	300	89	3.0	#2 SN Observat	2	seeing much improved
0052.COMP	10	08:30	10:10:45.6	-03:46:40	300	90	3.0	0 Calibration	2	
0053.snAT2017cfc	1800	08:33	13:52:39.0	-02:00:08	300	90	3.0	#2 SN Observat	2	
0054.COMP	10	09:03	13:52:39.0	-02:00:08	300	90	3.0	0 Calibration	2	
0055.sn2017cfb	1800	09:06	13:54:06.8	+09:24:46	300	80	3.0	#2 SN Observat	2	
0056.COMP	10	09:37	13:54:06.8	+09:24:46	300	81	3.0	0 Calibration	2	
0057.BRUTUS7840_6	1200	09:44	15:19:22.2	+59:08:32	300	90	3.0	#220 ASASSN Tr	2	seeing est 1.3
0058.COMP	10	10:04	15:19:22.2	+59:08:32	300	89	3.0	0 Calibration	2	
0059.sn2017cii	1800	10:17	16:33:19.8	+23:43:52	300	89	3.0	#2 SN Observat	2	
0060.COMP	10	10:47	16:33:19.8	+23:43:52	300	89	3.0	0 Calibration	2	
0061.sn2017ciy	1800	10:51	17:04:06.9	+25:03:10	300	81	3.0	#2 SN Observat	2	
0062.COMP	10	11:22	17:04:06.9	+25:03:10	300	81	3.0	0 Calibration	2	
0063.AWI0005cjd	720	11:25	16:43:50.5	-07:04:01	300	90	3.0	#219 WISE Debr	2	
0064.COMP	10	11:37	16:43:50.5	-07:04:01	300	90	3.0	0 Calibration	2	
0065.AWI0005be8	600	11:39	17:02:07.5	-09:46:52	300	90	3.0	#219 WISE Debr	2	
0066.COMP	10	11:50	17:02:07.5	-09:46:52	300	89	3.0	0 Calibration	2	
0067.17130287m2354020	1200	12:02	17:13:02.9	-23:54:00	300	75	3.0	#141 2MASS Sur	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>
0068.COMP	10	12:23	17:13:02.9	-23:54:00	300	75	3.0	0 Calibration	2	
0069-0088.BIAS	0	12:29	17:13:02.9	-23:54:00	300	75	3.0	0 Calibration	2	
0089-0118.FLAT	7	12:42	17:13:02.9	-23:54:00	300	75	3.0	0 Calibration	2	
0119-0128.DARK	900	15:03	17:13:02.9	-23:54:00	300	75	3.0	0 Calibration	2	