

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

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

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

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

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

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

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

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0003.DARK	900	00:44	09:39:12.3	-01:20:23	300	89	3.0	0 Calibration	4	
0004-0013.BIAS	0	01:00	09:39:12.3	-01:20:23	300	89	3.0	0 Calibration	4	
0014-0033.FLAT	7	01:12	09:39:12.3	-01:20:23	300	89	3.0	0 Calibration	2	
0034-0043.BIAS	0	01:14	09:39:12.3	-01:20:23	300	89	3.0	0 Calibration	2	
0044.V443Her	7	01:33	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0045.V443Her	50	01:33	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	clouds
0046.V443Her	90	01:34	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0047.COMP	10	01:36	18:22:07.0	+23:27:20	300	89	3.0	0 Calibration	2	
0048.YYHer	30	01:37	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	clouds all over
0049.COMP	10	01:38	18:14:34.0	+20:59:19	300	89	3.0	0 Calibration	2	
0050.BDp284211	100	01:41	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0051.COMP	10	01:43	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0052.BDp174708	45	01:45	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0053.COMP	10	01:46	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0054-0063.FLAT	12	02:00	22:11:31.4	+18:05:34	600	89	1.5	0 Calibration	4	
0064.bb330	720	02:04	21:30:28.3	-24:55:09	600	90	1.5	#178 Low Mass	4	
0065.COMP	10	02:16	21:30:28.3	-24:55:09	600	89	1.5	0 Calibration	4	
0066.bb331	900	02:19	21:30:29.0	-18:32:04	600	90	1.5	#178 Low Mass	4	
0067.COMP	10	02:34	21:30:29.0	-18:32:04	600	89	1.5	0 Calibration	4	
0068.bb333	420	02:37	21:31:15.8	-26:47:18	600	89	1.5	#178 Low Mass	4	

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0069.COMP	10	02:44	21:31:15.8	-26:47:18	600	89	1.5	0 Calibration	4	
0070.bb334	1500	03:28	21:31:17.5	-15:56:33	600	89	1.5	#178 Low Mass	4	
0071.COMP	10	03:54	21:31:17.5	-15:56:33	600	88	1.5	0 Calibration	4	
0072.bb393	720	03:59	22:01:14.3	-25:22:55	600	88	1.5	#178 Low Mass	4	clouds, low counts
0073.COMP	10	04:12	22:01:14.3	-25:22:55	600	88	1.5	0 Calibration	4	
0074.bb393	1500	04:14	22:01:14.3	-25:22:55	600	88	1.5	#178 Low Mass	4	
0075.COMP	10	04:40	22:01:14.3	-25:22:55	600	89	1.5	0 Calibration	4	
0076.BDp284211	150	04:42	21:51:11.0	+28:51:50	600	89	1.5	#56 Spectropho	4	
0077.COMP	10	04:45	21:51:11.0	+28:51:50	600	88	1.5	0 Calibration	4	
0078.AT2017hyo	1800	04:55	01:21:35.4	+03:17:41	300	88	3.0	#225	2	
0079.AT2017hyo	1800	05:25	01:21:35.4	+03:17:41	300	88	3.0	#225	2	
0080.AT2017hyo	1800	05:55	01:21:35.4	+03:17:41	300	88	3.0	#225	2	
0081.COMP	10	06:26	01:21:35.4	+03:17:41	300	88	3.0	0 Calibration	2	
0082.AT2017hta	1800	06:31	03:39:47.6	+66:43:06	300	87	3.0	#225	2	
0083.AT2017hta	1800	07:01	03:39:47.6	+66:43:06	300	87	3.0	#225	2	
0084.COMP	10	07:32	03:39:47.6	+66:43:06	300	87	3.0	0 Calibration	2	
0085.AT2017hzf	1800	07:37	04:36:42.4	+79:29:38	300	87	3.0	#225	2	
0086.AT2017hzf	1800	08:07	04:36:42.4	+79:29:38	300	87	3.0	#225	2	
0087.COMP	10	08:38	04:36:42.4	+79:29:38	300	89	3.0	0 Calibration	2	
0088.snASASSN17os	1800	08:42	04:33:05.9	-26:07:41	300	87	3.0	#220 ASASSN Tr	2	

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0089.COMP	10	09:13	04:33:05.9	-26:07:41	300	88	3.0	0 Calibration	2	
0090.G191B2B	300	09:18	05:05:30.6	+52:49:52	300	88	3.0	#56 Spectropho	2	
0091.COMP	10	09:23	05:05:30.6	+52:49:52	300	86	3.0	0 Calibration	2	
0092.Hiltner600	90	09:25	06:45:13.4	+02:08:15	300	86	3.0	#56 Spectropho	2	
0093.COMP	10	09:28	06:45:13.4	+02:08:15	300	88	3.0	0 Calibration	2	
0094-0103.FLAT	7	09:32	06:45:13.4	+02:08:15	300	88	3.0	0 Calibration	2	
0104.PS17exk	1800	09:36	05:59:59.0	+52:06:55	300	84	3.0	#225	2	Red tilt for Peter
0105.PS17exk	1800	10:07	05:59:59.0	+52:06:55	300	84	3.0	#225	2	
0106.COMP	10	10:37	05:59:59.0	+52:06:55	300	87	3.0	0 Calibration	2	
0107.Hiltner600	120	10:40	06:45:13.4	+02:08:15	300	87	3.0	#56 Spectropho	2	
0108.COMP	10	10:42	06:45:13.4	+02:08:15	300	86	3.0	0 Calibration	2	
0109-0118.FLAT	7	10:46	06:45:13.4	+02:08:15	300	86	3.0	0 Calibration	2	
0119.bb830	41	10:55	09:09:50.9	+03:00:21	600	86	1.5	#178 Low Mass	4	
0120.COMP	10	10:56	09:09:50.9	+03:00:21	600	87	1.5	0 Calibration	4	
0121.bb831	420	10:58	09:14:07.6	+03:16:32	600	88	1.5	#178 Low Mass	4	
0122.COMP	10	11:06	09:14:07.6	+03:16:32	600	87	1.5	0 Calibration	4	
0123.bb833	32	11:07	09:22:46.9	+00:17:41	600	87	1.5	#178 Low Mass	4	
0124.COMP	10	11:08	09:22:46.9	+00:17:41	600	87	1.5	0 Calibration	4	
0125.bb834	288	11:10	09:24:43.0	-05:14:13	600	87	1.5	#178 Low Mass	4	
0126.COMP	10	11:16	09:24:43.0	-05:14:13	600	87	1.5	0 Calibration	4	

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0127.bb835	84	11:17	09:24:45.4	-05:01:08	600	87	1.5	#178 Low Mass	4	
0128.COMP	10	11:19	09:24:45.4	-05:01:08	600	88	1.5	0 Calibration	4	
0129.bb836	400	11:21	09:28:05.8	+01:37:43	600	88	1.5	#178 Low Mass	4	
0130.COMP	10	11:28	09:28:05.8	+01:37:43	600	88	1.5	0 Calibration	4	
0131.bb837	300	11:29	09:28:26.7	+00:57:25	600	90	1.5	#178 Low Mass	4	
0132.COMP	10	11:35	09:28:26.7	+00:57:25	600	90	1.5	0 Calibration	4	
0133.bb838	200	11:36	09:31:22.6	-01:05:24	600	90	1.5	#178 Low Mass	4	
0134.COMP	10	11:40	09:31:22.6	-01:05:24	600	90	1.5	0 Calibration	4	
0135.bb839	24	11:41	09:32:09.2	+00:02:11	600	90	1.5	#178 Low Mass	4	
0136.COMP	10	11:42	09:32:09.2	+00:02:11	600	90	1.5	0 Calibration	4	
0137.Feige34	180	11:44	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0138.COMP	10	11:49	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	
0139.bb840	900	11:52	09:52:44.4	-05:23:13	600	89	1.5	#178 Low Mass	4	
0140.COMP	10	12:07	09:52:44.4	-05:23:13	600	89	1.5	0 Calibration	4	
0141-0150.FLAT	12	12:11	09:52:44.4	-05:23:13	600	89	1.5	0 Calibration	4	
0151.bb841	215	12:17	09:54:04.3	-10:21:26	600	89	1.5	#178 Low Mass	4	
0152.COMP	10	12:21	09:54:04.3	-10:21:26	600	90	1.5	0 Calibration	4	
0153.bb842	201	12:23	09:55:32.2	-00:36:29	600	90	1.5	#178 Low Mass	4	
0154.COMP	10	12:27	09:55:32.2	-00:36:29	600	90	1.5	0 Calibration	4	
0155.bb843	621	12:28	09:56:08.9	-06:16:42	600	90	1.5	#178 Low Mass	4	

UT Date 2017-11-16 Observers M CalkinsColl. Focus 1290 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0156.COMP	10	12:39	09:56:08.9	-06:16:42	600	89	1.5	0 Calibration	4	
0157-0166.BIAS	0	13:06	09:56:08.9	-06:16:42	600	90	1.5	0 Calibration	4	
0167-0176.BIAS	0	13:12	09:56:08.9	-06:16:42	600	90	1.5	0 Calibration	2	
0177-0181.DARK	900	14:16	09:56:08.9	-06:16:42	600	90	1.5	0 Calibration	4	
0182.DARK	900	14:31	09:56:08.9	-06:16:42	600	90	1.5	0 Calibration	2	

UT Date 2017-11-17 Observers M CalkinsColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	00:54	09:56:08.9	-06:16:42	600	90	1.5	0 Calibration	4	
0006-0015.BIAS	0	01:11	09:56:08.9	-06:16:42	600	90	1.5	0 Calibration	4	
0016-0035.FLAT	7	01:23	09:56:08.9	-06:16:42	300	90	3.0	0 Calibration	2	
0036-0050.BIAS	0	01:27	09:56:08.9	-06:16:42	300	90	3.0	0 Calibration	2	
0051.BDp284211	120	01:31	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	01:34	21:51:11.0	+28:51:50	300	88	3.0	0 Calibration	2	
0053.BDp174708	30	01:35	22:11:31.4	+18:05:34	300	88	3.0	#56 Spectropho	2	
0054.COMP	10	01:36	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0055.PS17exe	1800	01:42	20:19:38.6	-05:24:23	300	89	3.0	#225	2	host galaxy
0056.COMP	10	02:13	20:19:38.6	-05:24:23	300	89	3.0	0 Calibration	2	
0057.PS17exe	1800	02:19	20:19:38.6	-05:24:23	300	28	3.0	#225	2	
0058.PS17exe	1800	02:50	20:19:38.6	-05:24:23	300	28	3.0	#225	2	thin cirrus...
0059.COMP	10	03:21	20:19:38.6	-05:24:23	300	29	3.0	0 Calibration	2	
0060.M31	60	03:24	00:42:44.3	+41:16:09	300	90	3.0	#57 Velocity S	2	
0061.COMP	10	03:25	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0062.bb336	420	03:37	21:31:32.6	-14:54:47	600	90	1.5	#178 Low Mass	4	
0063.COMP	10	03:45	21:31:32.6	-14:54:47	600	86	1.5	0 Calibration	4	
0064.bb347	700	03:47	21:35:47.1	-11:37:54	600	86	1.5	#178 Low Mass	4	
0065.COMP	10	03:59	21:35:47.1	-11:37:54	600	86	1.5	0 Calibration	4	
0066.bb354	305	04:00	21:38:36.0	-13:10:58	600	86	1.5	#178 Low Mass	4	

UT Date 2017-11-17 Observers M CalkinsColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.COMP	10	04:06	21:38:36.0	-13:10:58	600	87	1.5	0 Calibration	4	
0068.bb356	1200	04:07	21:39:22.6	-10:28:34	600	87	1.5	#178 Low Mass	4	cirrus
0069.COMP	10	04:27	21:39:22.6	-10:28:34	600	88	1.5	0 Calibration	4	
0070.bb357	80	04:29	21:39:27.0	-02:28:31	600	88	1.5	#178 Low Mass	4	
0071.COMP	10	04:30	21:39:27.0	-02:28:31	600	88	1.5	0 Calibration	4	
0072.bb362	900	04:44	21:40:56.9	+01:46:31	600	88	1.5	#178 Low Mass	4	
0073.COMP	10	05:00	21:40:56.9	+01:46:31	600	89	1.5	0 Calibration	4	
0074.Feige110	180	05:01	23:19:58.4	-05:09:56	600	89	1.5	#56 Spectropho	4	
0075.COMP	10	05:05	23:19:58.4	-05:09:56	600	89	1.5	0 Calibration	4	
0076-0085.FLAT	12	05:09	23:19:58.4	-05:09:56	600	89	1.5	0 Calibration	4	
0086.COMP	5	05:12	23:19:58.4	-05:09:56	300	89	3.0	0 Calibration	4	
0087.PS16dtm	1800	05:17	01:58:04.7	-00:52:22	300	89	3.0	#225	2	
0088.PS16dtm	1800	06:08	01:58:04.7	-00:52:22	300	89	3.0	#225	2	cirrus
0089.COMP	10	06:40	01:58:04.7	-00:52:22	300	89	3.0	0 Calibration	2	
0090.snASASSN17ow	1800	06:44	02:05:18.3	+53:12:13	300	89	3.0	#220 ASASSN Tr	2	
0091.COMP	10	07:14	02:05:18.3	+53:12:13	300	88	3.0	0 Calibration	2	
0092.J0332-2757	1800	07:21	03:32:39.0	-27:57:00	300	89	3.0	#99 Falco	2	cirrus
0093.COMP	10	07:52	03:32:39.0	-27:57:00	300	90	3.0	0 Calibration	2	
0094.J0332-2757	1800	07:53	03:32:39.0	-27:57:00	300	90	3.0	#99 Falco	2	a bit clearer
0095.COMP	10	08:24	03:32:39.0	-27:57:00	300	89	3.0	0 Calibration	2	

UT Date 2017-11-17 Observers M CalkinsColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0096.snASASSN17os	1800	08:26	04:33:05.9	-26:07:41	300	89	3.0	#220 ASASSN Tr	2	
0097.COMP	10	08:57	04:33:05.9	-26:07:41	300	90	3.0	0 Calibration	2	
0098.snAT2017hyx	1500	09:01	04:47:09.2	-16:20:42	300	90	3.0	#2 SN Observat	2	
0099.COMP	10	09:27	04:47:09.2	-16:20:42	300	89	3.0	0 Calibration	2	
0100.sn2017hou	1800	09:31	04:09:02.1	-01:09:36	300	21	3.0	#2 SN Observat	2	
0101.COMP	10	10:03	04:09:02.1	-01:09:36	300	21	3.0	0 Calibration	2	
0102.sn2017hpa	1500	10:05	04:39:50.8	+07:03:55	300	90	3.0	#2 SN Observat	2	
0103.COMP	10	10:31	04:39:50.8	+07:03:55	300	90	3.0	0 Calibration	2	
0104.G191B2B	120	10:33	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0105.COMP	10	10:35	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0106.snAT2017hju	1800	10:37	05:08:44.0	+70:28:32	300	89	3.0	#2 SN Observat	2	
0107.COMP	10	11:07	05:08:44.0	+70:28:32	300	89	3.0	0 Calibration	2	
0108.Hiltner600	120	11:10	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0109.COMP	10	11:12	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0110.sn2017gzu	2400	11:17	09:04:44.0	+37:13:41	300	89	3.0	#2 SN Observat	2	
0111.COMP	10	11:57	09:04:44.0	+37:13:41	300	88	3.0	0 Calibration	2	
0112.snASASSN17ot	1800	12:00	09:39:12.3	-01:20:23	300	88	3.0	#220 ASASSN Tr	2	
0113.COMP	10	12:31	09:39:12.3	-01:20:23	300	90	3.0	0 Calibration	2	
0114.N3377	240	12:42	10:47:42.4	+13:59:08	300	90	3.0	#57 Velocity S	2	
0115.COMP	10	12:46	10:47:42.4	+13:59:08	300	90	3.0	0 Calibration	2	

UT Date 2017-11-17 Observers M CalkinsColl. Focus 1290 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0116.HD84937	25	12:47	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0117.COMP	10	12:48	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0118.Feige34	180	12:50	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0119.COMP	10	12:53	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0120-0129.BIAS	0	12:56	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0130-0149.FLAT	7	13:02	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0150-0159.DARK	900	15:20	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	

UT Date 2017-11-18 Observers M CalkinsColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:42	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0011-0030.FLAT	12	00:53	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0031-0040.BIAS	0	00:55	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0041.BDp284211	180	01:28	21:51:11.0	+28:51:50	600	90	1.5	#56 Spectropho	4	
0042.COMP	10	01:32	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0043.bb364	720	01:35	21:41:42.1	-23:22:27	600	90	1.5	#178 Low Mass	4	
0044.COMP	10	01:47	21:41:42.1	-23:22:27	600	90	1.5	0 Calibration	4	
0045.bb365	780	01:54	21:42:40.1	-15:57:53	600	90	1.5	#178 Low Mass	4	
0046.COMP	10	02:07	21:42:40.1	-15:57:53	600	90	1.5	0 Calibration	4	
0047.bb376	1800	02:08	21:47:57.7	-28:58:22	600	90	1.5	#178 Low Mass	4	
0048.COMP	10	02:39	21:47:57.7	-28:58:22	600	90	1.5	0 Calibration	4	
0049-0068.FLAT	7	03:47	21:44:43.7	-00:26:47	300	89	3.0	0 Calibration	2	
0069.snAT2017htb	1800	05:10	22:09:38.7	+17:39:40	300	-10	3.0	#2 SN Observat	2	
0070.COMP	10	05:40	22:09:38.7	+17:39:40	300	-10	3.0	0 Calibration	2	
0071.sn2017hpa	1200	05:45	04:39:50.8	+07:03:55	300	89	3.0	#2 SN Observat	2	
0072.COMP	10	06:11	04:39:50.8	+07:03:55	300	89	3.0	0 Calibration	2	
0073.J0332-2757	1800	06:42	03:32:39.0	-27:57:00	300	89	3.0	#99 Falco	2	
0074.J0332-2757	1800	07:12	03:32:39.0	-27:57:00	300	89	3.0	#99 Falco	2	
0075.J0332-2757	1800	07:42	03:32:39.0	-27:57:00	300	89	3.0	#99 Falco	2	cirrus during last mins of exp
0076.COMP	10	08:12	03:32:39.0	-27:57:00	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
0077.sn2017hou	1800	08:19	04:09:02.1	-01:09:36	300	21	3.0	#2 SN Observat	2	
0078.COMP	10	08:50	04:09:02.1	-01:09:36	300	21	3.0	0 Calibration	2	
0079.snASASSN17os	1800	08:54	04:33:05.9	-26:07:41	300	89	3.0	#220 ASASSN Tr	2	
0080.COMP	10	09:24	04:33:05.9	-26:07:41	300	90	3.0	0 Calibration	2	
0081.snAT2017hju	1800	09:28	05:08:44.0	+70:28:32	300	81	3.0	#2 SN Observat	2	
0082.COMP	10	09:59	05:08:44.0	+70:28:32	300	80	3.0	0 Calibration	2	
0083.AT2017hxa	1800	10:04	07:25:50.6	-00:54:57	300	90	3.0	#225	2	
0084.AT2017hxa	1800	10:34	07:25:50.6	-00:54:57	300	90	3.0	#225	2	
0085.COMP	10	11:05	07:25:50.6	-00:54:57	300	90	3.0	0 Calibration	2	
0086.Hiltner600	120	11:07	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0087.COMP	10	11:09	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0088.G191B2B	300	11:12	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0089.COMP	10	11:17	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0090.snASASSN17ot	1500	11:20	09:39:12.3	-01:20:23	300	90	3.0	#220 ASASSN Tr	2	
0091.COMP	10	11:45	09:39:12.3	-01:20:23	300	90	3.0	0 Calibration	2	
0092.AT2017hvp	1800	11:51	11:53:15.5	+15:03:49	300	90	3.0	#225	2	
0093.AT2017hvp	1800	12:22	11:53:15.5	+15:03:49	300	90	3.0	#225	2	
0094.COMP	10	12:52	11:53:15.5	+15:03:49	300	90	3.0	0 Calibration	2	
0095-0104.BIAS	0	12:56	11:53:15.5	+15:03:49	300	90	3.0	0 Calibration	2	
0105-0124.FLAT	7	13:01	11:53:15.5	+15:03:49	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>
0125-0129.DARK	900	14:06	11:53:15.5	+15:03:49	300	90	3.0	0 Calibration	4	
0130-0134.DARK	900	15:22	11:53:15.5	+15:03:49	300	90	3.0	0 Calibration	2	

UT Date 2017-11-19 Observers M CalkinsColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:46	11:53:15.5	+15:03:49	300	90	3.0	0 Calibration	2	
0011-0024.FLAT	12	00:57	11:53:15.5	+15:03:49	600	90	1.5	0 Calibration	4	
0025-0030.FLAT	12	01:35	22:01:46.4	+31:30:21	600	90	1.5	0 Calibration	4	
0031-0040.BIAS	0	01:37	22:01:46.4	+31:30:21	600	90	1.5	0 Calibration	4	
0041.BDp284211	150	01:39	21:51:11.0	+28:51:50	600	90	1.5	#56 Spectropho	4	
0042.COMP	10	01:42	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0043.bb371	900	01:45	21:44:43.7	-00:26:47	600	90	1.5	#178 Low Mass	4	
0044.COMP	10	02:00	21:44:43.7	-00:26:47	600	90	1.5	0 Calibration	4	
0045.bb374	189	02:02	21:46:46.0	+00:42:42	600	90	1.5	#178 Low Mass	4	
0046.COMP	10	02:05	21:46:46.0	+00:42:42	600	90	1.5	0 Calibration	4	
0047.bb379	420	02:07	21:51:52.8	-15:24:17	600	90	1.5	#178 Low Mass	4	
0048.COMP	10	02:14	21:51:52.8	-15:24:17	600	90	1.5	0 Calibration	4	
0049.bb383	1080	02:16	21:53:28.0	-12:18:54	600	90	1.5	#178 Low Mass	4	
0050.COMP	10	02:35	21:53:28.0	-12:18:54	600	90	1.5	0 Calibration	4	
0051.bb398	60	02:37	22:04:25.5	-10:10:52	600	90	1.5	#178 Low Mass	4	
0052.COMP	10	02:39	22:04:25.5	-10:10:52	600	90	1.5	0 Calibration	4	
0053.bb386	120	02:40	21:57:30.5	-24:57:21	600	90	1.5	#178 Low Mass	4	
0054.COMP	10	02:42	21:57:30.5	-24:57:21	600	90	1.5	0 Calibration	4	
0055.bb388	660	02:43	21:58:49.8	-24:27:03	600	90	1.5	#178 Low Mass	4	
0056.COMP	10	02:55	21:58:49.8	-24:27:03	600	90	1.5	0 Calibration	4	

UT Date 2017-11-19 Observers M CalkinsColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.bb389	60	02:56	21:58:54.1	-11:23:06	600	90	1.5	#178 Low Mass	4	
0058.COMP	10	02:57	21:58:54.1	-11:23:06	600	90	1.5	0 Calibration	4	
0059.bb392	600	02:59	22:00:43.2	+00:10:21	600	90	1.5	#178 Low Mass	4	
0060.COMP	10	03:10	22:00:43.2	+00:10:21	600	90	1.5	0 Calibration	4	
0061.bb397	1020	03:11	22:03:58.1	-12:42:43	600	90	1.5	#178 Low Mass	4	
0062.COMP	10	03:29	22:03:58.1	-12:42:43	600	90	1.5	0 Calibration	4	
0063.bb400	500	03:31	22:05:06.6	-28:27:42	600	89	1.5	#178 Low Mass	4	
0064.COMP	10	03:40	22:05:06.6	-28:27:42	600	89	1.5	0 Calibration	4	
0065.bb398	40	03:41	22:04:25.5	-10:10:52	600	89	1.5	#178 Low Mass	4	
0066.COMP	10	03:42	22:04:25.5	-10:10:52	600	89	1.5	0 Calibration	4	
0067.BRUTUS8075_4	1800	04:23	00:52:15.3	-27:20:51	300	90	3.0	#220 ASASSN Tr	2	
0068.BRUTUS8075_4	1800	04:53	00:52:15.3	-27:20:51	300	90	3.0	#220 ASASSN Tr	2	
0069.COMP	10	05:24	00:52:15.3	-27:20:51	300	90	3.0	0 Calibration	2	
0070.BRUTUS8074_6	1800	06:06	01:26:33.4	-23:13:34	300	-20	3.0	#220 ASASSN Tr	2	
0071.COMP	10	06:37	01:26:33.4	-23:13:34	300	-20	3.0	0 Calibration	2	
0072.AT2017hyo	1800	06:44	01:21:35.4	+03:17:41	300	90	3.0	#225	2	
0073.COMP	10	07:21	01:21:35.4	+03:17:41	300	90	3.0	0 Calibration	2	abort rmng exp for clouds
0074.G191B2B	300	10:22	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0075.COMP	10	10:28	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0076.snAT2017hju	1800	10:30	05:08:44.0	+70:28:32	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
0077.COMP	10	11:00	05:08:44.0	+70:28:32	300	89	3.0	0 Calibration	2	
0078.PS17exk	1800	11:03	05:59:59.0	+52:06:55	300	89	3.0	#225	2	
0079.COMP	10	11:33	05:59:59.0	+52:06:55	300	89	3.0	0 Calibration	2	
0080.Hiltner600	90	11:37	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0081.COMP	10	11:39	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0082.AT2017hxa	1800	11:41	07:25:50.6	-00:54:57	300	89	3.0	#225	2	
0083.COMP	10	12:12	07:25:50.6	-00:54:57	300	90	3.0	0 Calibration	2	
0084.snASASSN17pg	1200	12:19	11:42:49.8	+77:22:13	300	89	3.0	#220 ASASSN Tr	2	
0085.COMP	10	12:39	11:42:49.8	+77:22:13	300	90	3.0	0 Calibration	2	
0086.snASASSN17pe	1200	12:42	12:25:32.1	+50:02:06	300	90	3.0	#220 ASASSN Tr	2	
0087.COMP	10	13:03	12:25:32.1	+50:02:06	300	89	3.0	0 Calibration	2	
0088-0107.FLAT	7	13:11	12:25:32.1	+50:02:06	300	89	3.0	0 Calibration	2	
0108-0117.BIAS	0	13:13	12:25:32.1	+50:02:06	300	89	3.0	0 Calibration	2	
0118-0127.DARK	900	15:33	12:25:32.1	+50:02:06	300	89	3.0	0 Calibration	4	
0128-0137.DARK	900	18:06	12:25:32.1	+50:02:06	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	00:40	21:20:00.0	+32:00:00	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	00:47	21:20:00.0	+32:00:00	300	89	3.0	0 Calibration	2	
0026.COMP	10	01:07	21:20:00.0	+32:00:00	300	89	3.0	0 Calibration	2	
0027.BDp174708	90	01:17	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0028.BDp174708	90	01:19	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0029.BDp174708	90	01:22	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0030.COMP	10	01:24	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0031.BDp284211	150	01:26	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0032.COMP	10	01:29	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0033.sn2017hqc	1800	01:33	23:23:08.2	+10:38:55	300	89	3.0	#2 SN Observat	2	
0034.COMP	10	02:03	23:23:08.2	+10:38:55	300	89	3.0	0 Calibration	2	
0035.BIAS	0	02:07	23:10:00.0	+32:00:00	600	89	1.5	0 Calibration	4	
0036.BDp284211	150	02:08	21:51:11.0	+28:51:50	600	89	1.5	#56 Spectropho	4	
0037.COMP	10	02:11	21:51:11.0	+28:51:50	600	89	1.5	0 Calibration	4	
0038.gd278	420	02:14	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0039.COMP	10	02:21	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0040.bb419	360	02:23	22:14:29.7	-10:45:02	600	89	1.5	#178 Low Mass	4	
0041.COMP	10	02:30	22:14:29.7	-10:45:02	600	89	1.5	0 Calibration	4	
0042.bb427	960	02:31	22:28:59.8	-25:18:11	600	89	1.5	#178 Low Mass	4	
0043.COMP	10	02:48	22:28:59.8	-25:18:11	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
0044.bb407	720	02:49	22:07:58.0	-11:35:40	600	89	1.5	#178 Low Mass	4	
0045.COMP	10	03:01	22:07:58.0	-11:35:40	600	89	1.5	0 Calibration	4	
0046.gd278	420	03:04	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0047.COMP	10	03:12	01:30:58.1	+53:21:40	600	87	1.5	0 Calibration	4	
0048.bb415	300	03:14	22:12:09.1	-07:19:30	600	87	1.5	#178 Low Mass	4	
0049.COMP	10	03:19	22:12:09.1	-07:19:30	600	89	1.5	0 Calibration	4	
0050.bb408	300	03:21	22:08:21.2	+00:23:51	600	89	1.5	#178 Low Mass	4	
0051.COMP	10	03:26	22:08:21.2	+00:23:51	600	89	1.5	0 Calibration	4	
0052.bb412	180	03:27	22:08:56.9	+01:01:15	600	89	1.5	#178 Low Mass	4	
0053.COMP	10	03:30	22:08:56.9	+01:01:15	600	89	1.5	0 Calibration	4	
0054.j2237p03	1550	03:32	22:37:00.1	+03:39:31	600	89	1.5	#178 Low Mass	4	
0055.COMP	10	03:58	22:37:00.1	+03:39:31	600	89	1.5	0 Calibration	4	
0056.gd278	420	04:00	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	collimate with Gil
0057.COMP	10	04:08	01:30:58.1	+53:21:40	600	87	1.5	0 Calibration	4	
0058.gd278	420	04:46	01:30:58.1	+53:21:40	600	87	1.5	#178 Low Mass	4	
0059.COMP	10	04:54	01:30:58.1	+53:21:40	600	88	1.5	0 Calibration	4	
0060.j0133m06	1600	04:58	01:33:17.8	-06:33:33	600	88	1.5	#178 Low Mass	4	
0061.COMP	10	05:25	01:33:17.8	-06:33:33	600	89	1.5	0 Calibration	4	
0062.j0135m19	720	05:27	01:35:58.2	-19:28:24	600	89	1.5	#178 Low Mass	4	
0063.COMP	10	05:39	01:35:58.2	-19:28:24	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
0064.gd278	420	05:42	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0065.COMP	10	05:49	01:30:58.1	+53:21:40	600	88	1.5	0 Calibration	4	
0066.j0156m05	1260	05:52	01:56:39.2	-05:24:01	600	88	1.5	#178 Low Mass	4	
0067.COMP	10	06:14	01:56:39.2	-05:24:01	600	89	1.5	0 Calibration	4	
0068.j0157m06	1330	06:15	01:57:42.1	-06:48:48	600	89	1.5	#178 Low Mass	4	
0069.COMP	10	06:38	01:57:42.1	-06:48:48	600	89	1.5	0 Calibration	4	
0070.gd278	420	06:41	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0071.COMP	10	06:48	01:30:58.1	+53:21:40	600	88	1.5	0 Calibration	4	
0072.j0159m02	1720	06:51	01:59:38.5	-02:50:26	600	88	1.5	#178 Low Mass	4	
0073.COMP	10	07:20	01:59:38.5	-02:50:26	600	89	1.5	0 Calibration	4	
0074.j0209m01	1100	07:23	02:09:33.4	-01:40:05	600	81	1.5	#178 Low Mass	4	
0075.COMP	10	07:42	02:09:33.4	-01:40:05	600	80	1.5	0 Calibration	4	
0077.gd278	420	07:57	01:30:58.1	+53:21:40	600	90	1.5	#178 Low Mass	4	
0078.COMP	10	08:05	01:30:58.1	+53:21:40	600	90	1.5	0 Calibration	4	
0079-0093.FLAT	12	08:11	05:00:00.0	+32:00:00	600	90	1.5	0 Calibration	4	
0094.test	10	08:15	05:20:00.0	+32:00:00	300	90	3.0	#178 Low Mass	2	
0095.test	10	08:16	05:20:00.0	+32:00:00	300	90	3.0	#178 Low Mass	2	
0096.test	10	08:17	05:20:00.0	+32:00:00	300	90	3.0	#178 Low Mass	2	
0097.snASASSN17os	900	08:21	04:33:05.9	-26:07:41	300	90	3.0	#220 ASASSN Tr	2	
0098.snASASSN17os	900	08:36	04:33:05.9	-26:07:41	300	90	3.0	#220 ASASSN Tr	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0099.snASASSN17os	900	08:51	04:33:05.9	-26:07:41	300	90	3.0	#220 ASASSN Tr	2	
0100.snASASSN17os	900	09:07	04:33:05.9	-26:07:41	300	90	3.0	#220 ASASSN Tr	2	
0101.COMP	10	09:22	04:33:05.9	-26:07:41	300	89	3.0	0 Calibration	2	
0102.sn2017hpa	1500	09:25	04:39:50.8	+07:03:55	300	89	3.0	#2 SN Observat	2	
0103.COMP	10	09:51	04:39:50.8	+07:03:55	300	90	3.0	0 Calibration	2	
0104.sn2017hgy	1800	09:54	02:36:02.6	+43:28:20	300	90	3.0	#2 SN Observat	2	
0105.COMP	10	10:24	02:36:02.6	+43:28:20	300	90	3.0	0 Calibration	2	
0106.snAT2017hgw	1800	10:28	05:08:44.0	+70:28:32	300	90	3.0	#2 SN Observat	2	
0107.COMP	10	10:59	05:08:44.0	+70:28:32	300	90	3.0	0 Calibration	2	
0108.sn2017hig	1800	11:07	10:33:17.6	+16:24:27	300	90	3.0	#2 SN Observat	2	
0109.COMP	10	11:38	10:33:17.6	+16:24:27	300	89	3.0	0 Calibration	2	
0110.snAT2017gif	1534	12:31	11:42:49.9	+77:22:13	300	89	3.0	#2 SN Observat	2	
0111.COMP	10	12:57	11:42:49.9	+77:22:13	300	90	3.0	0 Calibration	2	
0112-0121.BIAS	0	13:01	11:42:49.9	+77:22:13	300	90	3.0	0 Calibration	2	
0122-0136.FLAT	7	13:07	11:42:49.9	+77:22:13	300	90	3.0	0 Calibration	2	
0137-0141.DARK	900	14:14	11:42:49.9	+77:22:13	300	90	3.0	0 Calibration	2	
0142-0146.DARK	900	15:30	11:42:49.9	+77:22:13	300	90	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	21:59	11:42:49.9	+77:22:13	300	90	3.0	0 Calibration	2	
0006-0010.DARK	900	23:15	11:42:49.9	+77:22:13	300	90	3.0	0 Calibration	4	
0011-0020.BIAS	0	00:59	21:30:00.0	+32:00:00	600	90	1.5	0 Calibration	4	
0021-0035.FLAT	15	01:05	21:30:00.0	+32:00:00	600	90	1.5	0 Calibration	4	
0036.BDp284211	180	01:12	21:51:11.0	+28:51:50	600	90	1.5	#56 Spectropho	4	
0037.COMP	10	01:16	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0038.j2028p41	720	01:18	20:28:55.9	+41:19:33	600	90	1.5	#178 Low Mass	4	
0039.COMP	10	01:31	20:28:55.9	+41:19:33	600	89	1.5	0 Calibration	4	
0040.j2049p45	660	01:32	20:49:02.7	+45:00:36	600	89	1.5	#178 Low Mass	4	
0041.COMP	10	01:44	20:49:02.7	+45:00:36	600	90	1.5	0 Calibration	4	
0042.j2055p16	660	01:46	20:55:28.9	+16:27:31	600	90	1.5	#178 Low Mass	4	
0043.COMP	10	01:57	20:55:28.9	+16:27:31	600	90	1.5	0 Calibration	4	
0044.j2055m17	751	01:59	20:55:38.9	-17:40:05	600	89	1.5	#178 Low Mass	4	
0045.COMP	10	02:12	20:55:38.9	-17:40:05	600	90	1.5	0 Calibration	4	
0046.j2037p03	600	02:13	20:37:25.8	+03:00:17	600	90	1.5	#178 Low Mass	4	
0047.COMP	10	02:23	20:37:25.8	+03:00:17	600	89	1.5	0 Calibration	4	
0048.j2104m03	720	02:26	21:04:28.0	-03:13:46	600	70	1.5	#178 Low Mass	4	
0049.COMP	10	02:39	21:04:28.0	-03:13:46	600	71	1.5	0 Calibration	4	
0050.j2117p01	720	02:40	21:17:33.5	+01:15:49	600	70	1.5	#178 Low Mass	4	
0051.COMP	10	02:53	21:17:33.5	+01:15:49	600	71	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.gd278	420	02:55	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0053.COMP	10	03:03	01:30:58.1	+53:21:40	600	90	1.5	0 Calibration	4	
0054.test	10	04:09	01:00:00.0	+32:00:00	300	90	3.0	#178 Low Mass	2	
0055.test	10	04:11	01:00:00.0	+32:00:00	300	90	3.0	#178 Low Mass	2	
0056-0065.BIAS	0	04:13	01:00:00.0	+32:00:00	300	90	3.0	0 Calibration	2	
0066-0080.FLAT	7	04:19	01:00:00.0	+32:00:00	300	90	3.0	0 Calibration	2	
0081.J0332-2757	1200	06:53	03:32:39.0	-27:57:00	300	90	3.0	#99 Falco	2	target at row 90
0082.J0332-2757	1200	07:13	03:32:39.0	-27:57:00	300	90	3.0	#99 Falco	2	
0083.J0332-2757	1200	07:33	03:32:39.0	-27:57:00	300	90	3.0	#99 Falco	2	
0084.J0332-2757	1200	07:53	03:32:39.0	-27:57:00	300	90	3.0	#99 Falco	2	
0085.COMP	10	08:14	03:32:39.0	-27:57:00	300	90	3.0	0 Calibration	2	
0086.snASASSN17os	1200	08:17	04:33:05.9	-26:07:41	300	90	3.0	#220 ASASSN Tr	2	
0087.snASASSN17os	1200	08:38	04:33:05.9	-26:07:41	300	89	3.0	#220 ASASSN Tr	2	
0088.snASASSN17os	1200	08:58	04:33:05.9	-26:07:41	300	89	3.0	#220 ASASSN Tr	2	
0089.COMP	10	09:18	04:33:05.9	-26:07:41	300	89	3.0	0 Calibration	2	
0090.sn2017hpa	1500	09:21	04:39:50.8	+07:03:55	300	89	3.0	#2 SN Observat	2	
0091.COMP	10	09:47	04:39:50.8	+07:03:55	300	89	3.0	0 Calibration	2	
0092.AWI0002p36	200	09:54	06:57:12.5	+02:57:33	300	89	3.0	#219 WISE Debr	2	no companion stars visible
0093.COMP	10	09:57	06:57:12.5	+02:57:33	300	89	3.0	0 Calibration	2	
0094.Hiltner600	90	09:59	06:45:13.4	+02:08:15	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
0095.COMP	10	10:01	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0096.G191B2B	300	10:04	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0097.COMP	10	10:09	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0098.snAT2017hjl	1800	10:12	05:08:44.0	+70:28:32	300	89	3.0	#2 SN Observat	2	
0099.snAT2017hjl	1800	10:43	05:08:44.0	+70:28:32	300	89	3.0	#2 SN Observat	2	
0100.COMP	10	11:17	05:08:44.0	+70:28:32	300	86	3.0	0 Calibration	2	
0101.snAT2017gif	1800	11:23	11:42:49.9	+77:22:13	300	90	3.0	#2 SN Observat	2	
0102.COMP	10	11:54	11:42:49.9	+77:22:13	300	90	3.0	0 Calibration	2	
0103.BRUTUS8078.8	720	11:59	12:12:27.0	+29:08:58	300	90	3.0	#220 ASASSN Tr	2	
0104.BRUTUS8078.8	720	12:11	12:12:27.0	+29:08:58	300	90	3.0	#220 ASASSN Tr	2	
0105.BRUTUS8078.8	720	12:23	12:12:27.0	+29:08:58	300	90	3.0	#220 ASASSN Tr	2	
0106.COMP	10	12:35	12:12:27.0	+29:08:58	300	89	3.0	0 Calibration	2	
0107.Feige34	180	12:38	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0108.COMP	10	12:42	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0109.HD84937	30	12:43	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0110.COMP	10	12:44	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0111-0120.BIAS	0	12:57	11:57:25.0	+25:12:09	300	89	3.0	0 Calibration	2	
0121-0135.FLAT	7	13:03	11:57:25.0	+25:12:09	300	89	3.0	0 Calibration	2	