UT Date 2015-12-11 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	19:26	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0001.COMP	5	01:15	16:10:44.1	+31:32:54	300	89	3.0	0 Calibration	2	
0002.BDp284211	90	01:24	21:51:11.1	+28:51:53	300	89	3.0	#176 Be/X-ray	2	
0002-0003.BIAS	0	19:27	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0003.COMP	5	01:28	21:51:11.1	+28:51:53	300	89	3.0	0 Calibration	2	
0004.BDp174708	90	01:37	22:11:31.5	+18:05:34	300	86	3.0	#176 Be/X-ray	2	
0004-0005.BIAS	0	19:27	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0005.COMP	5	01:39	22:11:31.5	+18:05:34	300	86	3.0	0 Calibration	2	
0006.BIAS	0	19:27	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0006.snASASSN15sf	1800	01:51	00:11:27.6	-06:25:38	300	87	3.0	#2 SN Observat	2	
0007.BIAS	0	19:27	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0007.COMP	5	02:21	00:11:27.6	-06:25:38	300	87	3.0	0 Calibration	2	
0008.BIAS	0	19:27	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0008.snCSS151209	1800	02:27	23:23:17.8	+16:40:03	300	89	3.0	#2 SN Observat	2	
0009.BIAS	0	19:27	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0009.COMP	5	02:58	23:23:17.8	+16:40:03	300	89	3.0	0 Calibration	2	
0010.BIAS	0	19:28	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0010.EGAnd	1	03:01	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0011.EGAnd	5	03:02	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0011.FLAT	4	19:28	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0012.EGAnd	10	03:02	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0012.FLAT	4	19:28	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0013.COMP	5	03:03	00:44:37.0	+40:40:47	300	89	3.0	0 Calibration	2	
0013-0014.FLAT	4	19:28	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0014.RAqr	1	03:05	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0015.FLAT	4	19:28	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0015.RAqr	5	03:05	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0016.FLAT	4	19:29	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0016.RAqr	10	03:06	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0017.COMP	5	03:06	23:43:49.0	-15:17:05	300	89	3.0	0 Calibration	2	
0017.FLAT	4	19:29	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0018.AGPeg	1	03:08	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0018.FLAT	4	19:29	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0019.AGPeg	10	03:08	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0019.FLAT	4	19:29	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0020.AGPeg	30	03:09	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0020.FLAT	4	19:30	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0021.BIAS	0	19:30	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0021.COMP	5	03:10	21:51:02.0	+12:37:33	300	89	3.0	0 Calibration	2	
0022.BIAS	0	19:30	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	

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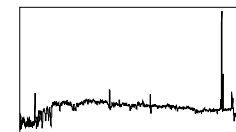
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0022.ZAnd	1	03:12	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0023.BIAS	0	19:30	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0023.ZAnd	5	03:12	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0024.BIAS	0	19:30	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0024.ZAnd	10	03:13	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0025.BIAS	0	19:31	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0025.ZAnd	30	03:13	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0026.BIAS	0	19:31	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0026.COMP	5	03:14	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0027.AXPer	4	03:17	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0027.BIAS	0	19:31	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0028.AXPer	30	03:18	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0028.BIAS	0	19:31	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0029.AXPer	90	03:19	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0029-0030.BIAS	0	19:32	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0030.COMP	5	03:21	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0031.FLAT	7	19:32	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0031.snASASSN15tg	1800	03:25	00:20:41.1	+25:13:45	300	86	3.0	#2 SN Observat	2	
0032.COMP	5	03:56	00:20:41.1	+25:13:45	300	86	3.0	0 Calibration	2	
0032-0033.FLAT	7	19:32	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	

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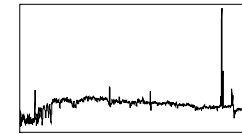
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0033.snASASSN15tg	1800	03:56	00:20:41.1	+25:13:45	300	86	3.0	#2 SN Observat	2	
0034.COMP	5	04:27	00:20:41.1	+25:13:45	300	86	3.0	0 Calibration	2	
0034-0035.FLAT	7	19:33	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0035.snPS15cku	1800	04:36	01:24:22.5	+03:35:15	300	89	3.0	#2 SN Observat	2	
0036.COMP	5	05:07	01:24:22.5	+03:35:15	300	89	3.0	0 Calibration	2	
0036-0037.FLAT	7	19:34	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0037.snPS15cku	1800	05:10	01:24:22.5	+03:35:15	300	88	3.0	#2 SN Observat	2	
0038.COMP	5	05:40	01:24:22.5	+03:35:15	300	88	3.0	0 Calibration	2	
0038-0039.FLAT	7	19:34	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0039.snASASSN15rw	1800	05:48	02:15:58.1	+12:14:15	300	89	3.0	#2 SN Observat	2	
0040.COMP	5	06:18	02:15:58.1	+12:14:15	300	89	3.0	0 Calibration	2	
0040-0041.FLAT	7	19:35	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0041.snASASSN15rw	1800	06:19	02:15:58.1	+12:14:15	300	89	3.0	#2 SN Observat	2	
0042.COMP	5	06:50	02:15:58.1	+12:14:15	300	88	3.0	0 Calibration	2	
0042-0043.FLAT	7	19:36	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0043.M32	600	06:53	00:42:41.9	+40:51:57	300	88	3.0	#2 SN Observat	2	
0044.COMP	5	07:03	00:42:41.9	+40:51:57	300	89	3.0	0 Calibration	2	
0044-0045.FLAT	7	19:36	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0045.M77	600	07:09	02:42:40.8	-00:00:48	300	89	3.0	#2 SN Observat	2	
0046.COMP	5	07:20	02:42:40.8	-00:00:48	300	89	3.0	0 Calibration	2	

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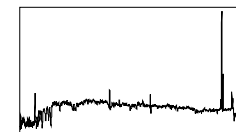
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0047.snASASSN15ti	1800	07:27	03:05:08.6	+37:54:01	300	89	3.0	#2 SN Observat	2	
0048.COMP	5	08:06	03:05:08.6	+37:54:01	300	89	3.0	0 Calibration	2	
0049.snPSNJ03094251	1800	08:09	03:09:42.5	+40:58:29	300	88	3.0	#2 SN Observat	2	
0050.COMP	5	08:40	03:09:42.5	+40:58:29	300	88	3.0	0 Calibration	2	
0051.GITau	600	08:46	04:33:34.0	+24:21:18	300	88	3.0	#12 Symbiotic	2	
0052.COMP	5	08:57	04:33:34.0	+24:21:18	300	88	3.0	0 Calibration	2	
0053.GITau	300	08:58	04:33:34.0	+24:21:18	300	88	3.0	#12 Symbiotic	2	
0054.COMP	5	09:04	04:33:34.0	+24:21:18	300	88	3.0	0 Calibration	2	
0055.BGGem	300	09:08	06:03:31.0	+27:41:50	300	88	3.0	#12 Symbiotic	2	
0056.COMP	5	09:14	06:03:31.0	+27:41:50	300	88	3.0	0 Calibration	2	
0057.snASASSN15tj	1800	09:19	07:55:28.7	+52:09:28	300	88	3.0	#2 SN Observat	2	
0058.COMP	5	09:49	07:55:28.7	+52:09:28	300	87	3.0	0 Calibration	2	
0059.BXMon	300	10:04	07:25:23.0	-03:35:51	300	87	3.0	#12 Symbiotic	2	
0060.COMP	5	10:09	07:25:23.0	-03:35:51	300	87	3.0	0 Calibration	2	
0061.BXMon	300	10:10	07:25:23.0	-03:35:51	300	87	3.0	#12 Symbiotic	2	
0062.COMP	5	10:15	07:25:23.0	-03:35:51	300	86	3.0	0 Calibration	2	
0063.SS129	300	10:32	07:32:45.0	-26:49:16	300	81	3.0	#12 Symbiotic	2	
0064.COMP	5	10:38	07:32:45.0	-26:49:16	300	81	3.0	0 Calibration	2	
0065.SS129	300	10:39	07:32:45.0	-26:49:16	300	85	3.0	#12 Symbiotic	2	
0066.COMP	5	10:44	07:32:45.0	-26:49:16	300	85	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	00:50	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0011-0020.FLAT	4	00:52	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	4	
0021-0030.BIAS	0	00:54	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0031-0045.FLAT	7	00:59	09:10:08.8	+50:03:40	300	86	3.0	0 Calibration	2	
0046.BDp284211	90	01:21	21:51:11.1	+28:51:53	300	86	3.0	#176 Be/X-ray	2	
0046.BDp284211q.ms	90	01:21	21:51:11.1	+28:51:53	300	86	3.0	#176 Be/X-ray	1	
0047.COMP	5	01:23	21:51:11.1	+28:51:53	300	86	3.0	0 Calibration	2	
0048.BDp174708	60	01:26	22:11:31.5	+18:05:34	300	86	3.0	#176 Be/X-ray	2	
0048.BDp174708q.ms	60	01:26	22:11:31.5	+18:05:34	300	86	3.0	#176 Be/X-ray	1	
0049.COMP	5	01:29	22:11:31.5	+18:05:34	300	86	3.0	0 Calibration	2	
0050.PUVu1	1	01:33	20:21:13.0	+21:34:21	300	86	3.0	#12 Symbiotic	2	
0051.PUVu1	5	01:33	20:21:13.0	+21:34:21	300	86	3.0	#12 Symbiotic	2	
0052.PUVu1	60	01:34	20:21:13.0	+21:34:21	300	86	3.0	#12 Symbiotic	2	
0053.COMP	5	01:35	20:21:13.0	+21:34:21	300	86	3.0	0 Calibration	2	
0054.V1515Cyg	600	01:40	20:23:48.0	+42:12:24	300	86	3.0	#12 Symbiotic	2	
0055.COMP	5	01:51	20:23:48.0	+42:12:24	300	86	3.0	0 Calibration	2	
0056.V1329Cyg	20	02:03	20:51:01.0	+35:34:55	300	87	3.0	#12 Symbiotic	2	
0056.V1329Cygq.ms	20	02:03	20:51:01.0	+35:34:55	300	87	3.0	#12 Symbiotic	1	
0057.COMP	5	02:04	20:51:01.0	+35:34:55	300	87	3.0	0 Calibration	2	
0058.V1329Cyg	120	02:04	20:51:01.0	+35:34:55	300	87	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0059.COMP	5	02:07	20:51:01.0	+35:34:55	300	87	3.0	0 Calibration	2	
0060.V1057Cyg	480	02:16	20:58:54.0	+44:15:30	300	87	3.0	#12 Symbiotic	2	
0061.COMP	5	02:25	20:58:54.0	+44:15:30	300	87	3.0	0 Calibration	2	
0062.AGPeg	1	02:30	21:51:02.0	+12:37:33	300	88	3.0	#12 Symbiotic	2	
0063.AGPeg	10	02:30	21:51:02.0	+12:37:33	300	88	3.0	#12 Symbiotic	2	
0064.AGPeg	30	02:31	21:51:02.0	+12:37:33	300	88	3.0	#12 Symbiotic	2	
0065.COMP	5	02:33	21:51:02.0	+12:37:33	300	88	3.0	0 Calibration	2	
0066.ZAnd	1	02:39	23:33:40.0	+48:49:06	300	86	3.0	#12 Symbiotic	2	
0067.ZAnd	10	02:40	23:33:40.0	+48:49:06	300	86	3.0	#12 Symbiotic	2	
0068.ZAnd	30	02:40	23:33:40.0	+48:49:06	300	86	3.0	#12 Symbiotic	2	
0069.COMP	5	02:41	23:33:40.0	+48:49:06	300	86	3.0	0 Calibration	2	
0070.RAqr	1	02:45	23:43:49.0	-15:17:05	300	86	3.0	#12 Symbiotic	2	
0071.RAqr	5	02:45	23:43:49.0	-15:17:05	300	86	3.0	#12 Symbiotic	2	
0072.RAqr	10	02:45	23:43:49.0	-15:17:05	300	86	3.0	#12 Symbiotic	2	
0073.COMP	5	02:46	23:43:49.0	-15:17:05	300	86	3.0	0 Calibration	2	
0074.snPSNJ23244903	1800	02:53	23:24:49.0	+15:16:52	300	86	3.0	#2 SN Observat	2	
0075.COMP	5	03:24	23:24:49.0	+15:16:52	300	86	3.0	0 Calibration	2	
0076.snASASSN15sf	1800	03:32	00:11:27.6	-06:25:38	300	85	3.0	#2 SN Observat	2	
0077.COMP	5	04:02	00:11:27.6	-06:25:38	300	85	3.0	0 Calibration	2	
0078.snASASSN15tg	1800	04:07	00:20:41.1	+25:13:45	300	85	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0079.COMP	5	04:37	00:20:41.1	+25:13:45	300	85	3.0	0 Calibration	2	
0080.EGAnd	1	04:41	00:44:37.0	+40:40:47	300	87	3.0	#12 Symbiotic	2	
0081.EGAnd	5	04:42	00:44:37.0	+40:40:47	300	87	3.0	#12 Symbiotic	2	
0082.EGAnd	10	04:42	00:44:37.0	+40:40:47	300	87	3.0	#12 Symbiotic	2	
0083.COMP	5	04:43	00:44:37.0	+40:40:47	300	87	3.0	0 Calibration	2	
0084.AXPer	4	04:50	01:36:23.0	+54:15:03	300	87	3.0	#12 Symbiotic	2	
0085.AXPer	30	04:50	01:36:23.0	+54:15:03	300	87	3.0	#12 Symbiotic	2	
0086.AXPer	90	04:51	01:36:23.0	+54:15:03	300	87	3.0	#12 Symbiotic	2	
0087.COMP	5	04:53	01:36:23.0	+54:15:03	300	87	3.0	0 Calibration	2	
0088.snASASSN15tx	1800	04:57	02:30:24.4	+45:07:18	300	87	3.0	#2 SN Observat	2	
0089.COMP	5	05:27	02:30:24.4	+45:07:18	300	87	3.0	0 Calibration	2	
0090.snASASSN15tz	1800	05:30	02:41:08.9	+43:40:49	300	87	3.0	#2 SN Observat	2	
0091.COMP	5	06:01	02:41:08.9	+43:40:49	300	87	3.0	0 Calibration	2	
0092.snASASSN15ti	1800	06:09	03:05:08.6	+37:54:01	300	87	3.0	#2 SN Observat	2	
0093.COMP	5	06:39	03:05:08.6	+37:54:01	300	81	3.0	0 Calibration	2	
0094.snPSNJ03094251	1800	06:42	03:09:42.5	+40:58:29	300	81	3.0	#2 SN Observat	2	
0095.COMP	5	07:13	03:09:42.5	+40:58:29	300	81	3.0	0 Calibration	2	
0096.snPSNJ03094251	1800	07:14	03:09:42.5	+40:58:29	300	86	3.0	#2 SN Observat	2	
0097.COMP	5	07:46	03:09:42.5	+40:58:29	300	86	3.0	0 Calibration	2	
0098.GITau	600	07:48	04:33:34.0	+24:21:18	300	87	3.0	#12 Symbiotic	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0099.COMP	5	07:59	04:33:34.0	+24:21:18	300	87	3.0	0 Calibration	2	
0100.GITau	300	08:00	04:33:34.0	+24:21:18	300	86	3.0	#12 Symbiotic	2	
0101.COMP	5	08:06	04:33:34.0	+24:21:18	300	86	3.0	0 Calibration	2	
0102.BGGem	300	08:13	06:03:31.0	+27:41:50	300	87	3.0	#12 Symbiotic	2	
0103.COMP	5	08:18	06:03:31.0	+27:41:50	300	87	3.0	0 Calibration	2	
0104.BXMon	15	08:21	07:25:23.0	-03:35:51	300	86	3.0	#12 Symbiotic	2	
0105.BXMon	180	08:22	07:25:23.0	-03:35:51	300	86	3.0	#12 Symbiotic	2	
0106.COMP	5	08:26	07:25:23.0	-03:35:51	300	86	3.0	0 Calibration	2	
0107.snASASSN15tj	1800	08:34	07:55:28.7	+52:09:28	300	86	3.0	#2 SN Observat	2	
0108.COMP	10	09:04	07:55:28.7	+52:09:28	300	87	3.0	0 Calibration	2	
0109.BIAS	0	09:09	08:00:17.5	+05:50:30	600	87	1.5	0 Calibration	4	
0110.COMP	10	09:10	08:00:17.5	+05:50:30	600	87	1.5	0 Calibration	4	
0111.j0800p05	660	09:13	08:00:17.5	+05:50:30	600	87	1.5	#178 Low Mass	4	
0112.COMP	10	09:24	08:00:17.5	+05:50:30	600	87	1.5	0 Calibration	4	
0113.j0800p05	660	09:25	08:00:17.5	+05:50:30	600	87	1.5	#178 Low Mass	4	
0114.COMP	10	09:36	08:00:17.5	+05:50:30	600	87	1.5	0 Calibration	4	
0115.j0800p05	660	09:37	08:00:17.5	+05:50:30	600	87	1.5	#178 Low Mass	4	
0116.COMP	10	09:48	08:00:17.5	+05:50:30	600	87	1.5	0 Calibration	4	
0117.j0800p05	660	09:49	08:00:17.5	+05:50:30	600	87	1.5	#178 Low Mass	4	
0118.COMP	10	10:00	08:00:17.5	+05:50:30	600	87	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0119.j0800p05	660	10:01	08:00:17.5	+05:50:30	600	87	1.5	#178 Low Mass	4	
0120.COMP	10	10:12	08:00:17.5	+05:50:30	600	84	1.5	0 Calibration	4	
0121.k0758	1020	10:14	07:58:04.6	+47:54:06	600	84	1.5	#178 Low Mass	4	
0122.COMP	10	10:31	07:58:04.6	+47:54:06	600	84	1.5	0 Calibration	4	
0123.k0758	1020	10:32	07:58:04.6	+47:54:06	600	84	1.5	#178 Low Mass	4	
0124.COMP	10	10:49	07:58:04.6	+47:54:06	600	84	1.5	0 Calibration	4	
0125.k0758	1020	10:50	07:58:04.6	+47:54:06	600	88	1.5	#178 Low Mass	4	
0126.COMP	10	11:07	07:58:04.6	+47:54:06	600	88	1.5	0 Calibration	4	
0127.k0758	1020	11:08	07:58:04.6	+47:54:06	600	88	1.5	#178 Low Mass	4	
0128.COMP	10	11:26	07:58:04.6	+47:54:06	600	84	1.5	0 Calibration	4	
0129.Feige34	120	11:27	10:39:36.7	+43:06:09	600	84	1.5	#56 Spectropho	4	
0130.COMP	10	11:30	10:39:36.7	+43:06:09	600	84	1.5	0 Calibration	4	
0131-0140.FLAT	12	11:34	10:39:36.7	+43:06:09	600	84	1.5	0 Calibration	4	
0141.test	10	11:38	10:30:00.0	+32:00:00	300	84	3.0	#56 Spectropho	2	
0142.test	10	11:39	10:30:00.0	+32:00:00	300	84	3.0	#56 Spectropho	2	
0143.snPSNK0910088	1200	11:42	09:10:08.8	+50:03:40	300	84	3.0	#2 SN Observat	2	
0144.COMP	10	12:02	09:10:08.8	+50:03:40	300	83	3.0	0 Calibration	2	
0145.snBRUTUS7369_4	900	12:07	13:34:54.5	+10:59:03	300	83	3.0	#2 SN Observat	2	
0146.snBRUTUS7369_4	900	12:23	13:34:54.5	+10:59:03	300	83	3.0	#2 SN Observat	2	
0147.snBRUTUS7369_4	900	12:38	13:34:54.5	+10:59:03	300	83	3.0	#2 SN Observat	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>
0148.COMP	10	12:53	13:34:54.5	+10:59:03	300	83	3.0	0 Calibration	2	
0149.snASASSN15so	720	12:55	11:14:11.0	+48:19:07	300	83	3.0	#2 SN Observat	2	
0150.COMP	10	13:08	11:14:11.0	+48:19:07	300	83	3.0	0 Calibration	2	
0151-0160.BIAS	0	13:12	11:14:11.0	+48:19:07	300	83	3.0	0 Calibration	2	
0161-0175.FLAT	7	13:17	11:14:11.0	+48:19:07	300	83	3.0	0 Calibration	2	
0176-0185.BIAS	0	13:20	11:14:11.0	+48:19:07	300	83	3.0	0 Calibration	4	
0186-0190.DARK	900	14:21	11:14:11.0	+48:19:07	300	83	3.0	0 Calibration	2	
0191-0195.DARK	900	15:38	11:14:11.0	+48:19:07	300	83	3.0	0 Calibration	4	
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	00:42	10:39:36.7	+43:06:09	300	86	3.0	0 Calibration	2	
0011.FLAT	7	00:43	10:39:36.7	+43:06:09	300	86	3.0	0 Calibration	2	300-line, 3-sec
0012-0025.FLAT	7	00:48	10:39:36.7	+43:06:09	300	86	3.0	0 Calibration	2	
0026.BDp174708	120	03:03	22:11:31.4	+18:05:34	300	86	3.0	#56 Spectropho	2	
0027.COMP	10	03:09	22:11:31.4	+18:05:34	300	86	3.0	0 Calibration	2	
0028.snASASSN15tz	1800	03:13	02:41:08.9	+43:40:49	300	79	3.0	#2 SN Observat	2	
0029.COMP	10	03:44	02:41:08.9	+43:40:49	300	79	3.0	0 Calibration	2	
0030.snASASSN15tz	1800	03:44	02:41:08.9	+43:40:49	300	79	3.0	#2 SN Observat	2	
0031.COMP	10	04:22	02:41:08.9	+43:40:49	300	79	3.0	0 Calibration	2	
0032.snASASSN15ti	1800	04:26	03:05:08.6	+37:54:01	300	86	3.0	#2 SN Observat	2	
0033.COMP	10	04:57	03:05:08.6	+37:54:01	300	85	3.0	0 Calibration	2	
0034.04313828+5857393	1500	05:00	04:31:38.3	+58:57:39	300	93	3.0	#141 2MASS Red	2	
0035.COMP	10	05:28	04:31:38.3	+58:57:39	300	93	3.0	0 Calibration	2	
0036.SA93-101	120	05:40	01:53:18.0	+00:22:25	300	90	5.0	#223 NEOWISE N	2	300-line, 5-sec, gg495
0037.COMP	5	05:42	01:53:18.0	+00:22:25	300	90	5.0	0 Calibration	2	
0038.HD9986	10	05:43	01:37:40.9	+12:04:42	300	90	5.0	#223 NEOWISE N	2	
0039.HD9986	15	05:44	01:37:40.9	+12:04:42	300	90	5.0	#223 NEOWISE N	2	
0040.HD9986	15	05:45	01:37:40.9	+12:04:42	300	90	5.0	#223 NEOWISE N	2	
0041.COMP	5	05:45	01:37:40.9	+12:04:42	300	90	5.0	0 Calibration	2	
0042.33342.1998WT24	500	05:47	01:44:36.6	+07:27:03	300	90	5.0	#223 NEOWISE N	2	

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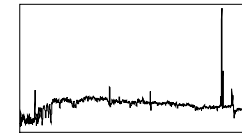
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0043.33342.1998WT24	500	05:55	01:44:36.6	+07:27:03	300	90	5.0	#223 NEOWISE N	2	
0044.33342.1998WT24	500	06:04	01:44:36.6	+07:27:03	300	90	5.0	#223 NEOWISE N	2	
0045.COMP	5	06:13	01:44:36.6	+07:27:03	300	90	5.0	0 Calibration	2	
0046.HD9986	15	06:14	01:37:40.9	+12:04:42	300	90	5.0	#223 NEOWISE N	2	
0047.HD9986	15	06:14	01:37:40.9	+12:04:42	300	90	5.0	#223 NEOWISE N	2	
0048.HD9986	15	06:15	01:37:40.9	+12:04:42	300	90	5.0	#223 NEOWISE N	2	
0049.COMP	10	06:16	01:37:40.9	+12:04:42	300	90	5.0	0 Calibration	2	
0050.Hiltner600	300	06:18	06:45:13.4	+02:08:15	300	90	5.0	#223 NEOWISE N	2	
0051.COMP	5	06:23	06:45:13.4	+02:08:15	300	90	5.0	0 Calibration	2	
0052.Hyades142	60	06:27	04:46:30.0	+15:28:21	300	90	5.0	#223 NEOWISE N	2	
0053.COMP	5	06:28	04:46:30.0	+15:28:21	300	90	5.0	0 Calibration	2	
0054.16.Psyche	180	06:29	04:59:58.4	+18:03:51	300	90	5.0	#223 NEOWISE N	2	
0055.COMP	10	06:33	04:59:58.4	+18:03:51	300	90	5.0	0 Calibration	2	
0056.230.Athamantis	240	06:34	05:07:14.0	+17:16:03	300	90	5.0	#223 NEOWISE N	2	
0057.COMP	5	06:38	05:07:14.0	+17:16:03	300	90	5.0	0 Calibration	2	
0058-0072.FLAT	5	06:43	05:07:14.0	+17:16:03	300	90	5.0	0 Calibration	2	
0073-0082.BIAS	0	07:47	06:30:00.0	+32:00:00	600	90	1.5	0 Calibration	4	
0083.FLAT	12	07:52	06:30:00.0	+32:00:00	600	90	1.5	0 Calibration	4	600-line, 1.5-sec, blue
0084-0089.FLAT	12	07:54	06:30:00.0	+32:00:00	600	90	1.5	0 Calibration	4	
0090.FLAT	12	07:54	06:30:00.0	+32:00:00	600	90	1.5	0 Calibration	4	fog delay

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091-0092.FLAT	12	07:55	06:30:00.0	+32:00:00	600	90	1.5	0 Calibration	4	
0093.k0758	1020	08:22	07:58:04.6	+47:54:06	600	90	1.5	#178 Low Mass	4	
0094.COMP	10	08:40	07:58:04.6	+47:54:06	600	90	1.5	0 Calibration	4	
0095.k0758	1020	08:40	07:58:04.6	+47:54:06	600	90	1.5	#178 Low Mass	4	
0096.COMP	10	08:58	07:58:04.6	+47:54:06	600	90	1.5	0 Calibration	4	
0097.k0758	1020	08:58	07:58:04.6	+47:54:06	600	90	1.5	#178 Low Mass	4	
0098.COMP	10	09:16	07:58:04.6	+47:54:06	600	90	1.5	0 Calibration	4	
0099.COMP	10	09:17	07:58:04.6	+47:54:06	600	90	1.5	0 Calibration	4	
0100.k0758	1020	09:17	07:58:04.6	+47:54:06	600	90	1.5	#178 Low Mass	4	
0101.COMP	10	09:35	07:58:04.6	+47:54:06	600	90	1.5	0 Calibration	4	
0102.j0800p05	660	09:37	08:00:17.5	+05:50:30	600	90	1.5	#178 Low Mass	4	
0103.COMP	10	09:48	08:00:17.5	+05:50:30	600	90	1.5	0 Calibration	4	
0104.j0800p05	660	09:49	08:00:17.5	+05:50:30	600	90	1.5	#178 Low Mass	4	
0105.COMP	10	10:00	08:00:17.5	+05:50:30	600	90	1.5	0 Calibration	4	
0106.j0800p05	660	10:01	08:00:17.5	+05:50:30	600	90	1.5	#178 Low Mass	4	
0107.COMP	10	10:12	08:00:17.5	+05:50:30	600	90	1.5	0 Calibration	4	
0108.j0800p05	660	10:13	08:00:17.5	+05:50:30	600	90	1.5	#178 Low Mass	4	
0109.COMP	10	10:24	08:00:17.5	+05:50:30	600	90	1.5	0 Calibration	4	
0110.j0800p05	660	10:25	08:00:17.5	+05:50:30	600	90	1.5	#178 Low Mass	4	
0111.COMP	10	10:37	08:00:17.5	+05:50:30	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
0112.HD84937	30	10:39	09:48:56.1	+13:44:39	600	90	1.5	#56 Spectropho	4	
0113.HD84937	30	10:40	09:48:56.1	+13:44:39	600	90	1.5	#56 Spectropho	4	
0114.COMP	10	10:41	09:48:56.1	+13:44:39	600	90	1.5	0 Calibration	4	
0115.test	10	10:45	09:20:00.0	+32:00:00	300	90	3.0	#56 Spectropho	4	
0116.test	10	10:46	09:20:00.0	+32:00:00	300	90	3.0	#56 Spectropho	2	
0117.HD84937	30	10:48	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	300-line, 3-sec
0118.HD84937	30	10:48	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0119.HD84937	30	10:49	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0120.COMP	10	10:50	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0121.snASASSN-15ub	900	10:54	11:07:13.1	+65:05:58	300	90	3.0	#220 ASASSN Tr	2	
0122.snASASSN-15ub	900	11:09	11:07:13.1	+65:05:58	300	90	3.0	#220 ASASSN Tr	2	
0123.snASASSN-15ub	900	11:24	11:07:13.1	+65:05:58	300	90	3.0	#220 ASASSN Tr	2	
0124.COMP	10	11:39	11:07:13.1	+65:05:58	300	90	3.0	0 Calibration	2	
0125.Feige34	180	11:41	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0126.COMP	10	11:45	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0127-0131.FLAT	7	11:48	10:30:00.0	+35:00:00	300	90	3.0	0 Calibration	2	
0132.HD115382	20	11:51	13:16:48.3	+12:24:56	300	90	5.0	#223 NEOWISE N	2	300-line, 5-sec, gg495
0133.HD115382	60	11:52	13:16:48.3	+12:24:56	300	90	5.0	#223 NEOWISE N	2	
0134.HD115382	60	11:53	13:16:48.3	+12:24:56	300	90	5.0	#223 NEOWISE N	2	
0135.COMP	5	11:55	13:16:48.3	+12:24:56	300	90	5.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0136.345722.2007BG29	1200	12:03	14:07:32.0	+59:44:21	300	90	5.0	#223 NEOWISE N	2	
0137.345722.2007BG29	1200	12:23	14:07:32.0	+59:44:21	300	90	5.0	#223 NEOWISE N	2	
0138.345722.2007BG29	1200	12:43	14:07:32.0	+59:44:21	300	90	5.0	#223 NEOWISE N	2	
0139.COMP	10	13:04	14:07:32.0	+59:44:21	300	90	5.0	0 Calibration	2	
0140.HD129357	30	13:06	14:41:22.4	+29:03:32	300	90	5.0	#223 NEOWISE N	2	
0141.HD129357	30	13:07	14:41:22.4	+29:03:32	300	90	5.0	#223 NEOWISE N	2	
0142.COMP	5	13:08	14:41:22.4	+29:03:32	300	90	5.0	0 Calibration	2	
0143.BDp262606	90	13:09	14:49:02.4	+25:42:09	300	90	5.0	#56 Spectropho	2	
0144.COMP	5	13:11	14:49:02.4	+25:42:09	300	90	5.0	0 Calibration	2	
0145-0159.FLAT	5	13:17	14:49:02.4	+25:42:09	300	90	5.0	0 Calibration	2	
0160-0169.BIAS	0	13:19	14:49:02.4	+25:42:09	300	90	5.0	0 Calibration	2	
0170-0174.DARK	900	14:24	14:49:02.4	+25:42:09	300	90	5.0	0 Calibration	2	
0175-0179.DARK	900	15:41	14:49:02.4	+25:42:09	300	90	5.0	0 Calibration	4	
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
0001-0002.BIAS	0	00:56	20:11:54.7	+31:27:25	300	90	5.0	0 Calibration	2	
0003-0010.BIAS	0	00:57	01:44:36.6	+07:27:03	300	90	5.0	0 Calibration	2	
0011.FLAT	5	01:01	01:44:36.6	+07:27:03	300	90	5.0	0 Calibration	2	300-line, 5-sec, gg495, red
0012-0025.FLAT	5	01:05	01:44:36.6	+07:27:03	300	90	5.0	0 Calibration	2	
0026.HD186408	5	01:17	19:41:48.9	+50:31:31	300	90	5.0	#223 NEOWISE N	2	
0027.HD186408	10	01:18	19:41:48.9	+50:31:31	300	90	5.0	#223 NEOWISE N	2	
0028.HD186408	10	01:19	19:41:48.9	+50:31:31	300	90	5.0	#223 NEOWISE N	2	
0029.HD186427	10	01:19	19:41:52.0	+50:31:03	300	90	5.0	#223 NEOWISE N	2	
0030.HD186427	10	01:20	19:41:52.0	+50:31:03	300	90	5.0	#223 NEOWISE N	2	
0031.HD186427	10	01:20	19:41:52.0	+50:31:03	300	90	5.0	#223 NEOWISE N	2	
0032.COMP	5	01:21	19:41:52.0	+50:31:03	300	90	5.0	0 Calibration	2	
0033.1864.Daedalus	1200	01:27	20:49:35.1	+57:49:56	300	90	5.0	#223 NEOWISE N	2	
0034.1864.Daedalus	1200	01:47	20:49:35.1	+57:49:56	300	90	5.0	#223 NEOWISE N	2	
0035.1864.Daedalus	1200	02:07	20:49:35.1	+57:49:56	300	90	5.0	#223 NEOWISE N	2	
0036.COMP	5	02:28	20:49:35.1	+57:49:56	300	90	5.0	0 Calibration	2	
0037.253106.2002.UR3	1800	02:31	22:08:15.7	+15:30:09	300	90	5.0	#223 NEOWISE N	2	
0038.253106.2002.UR3	1800	03:01	22:08:15.7	+15:30:09	300	90	5.0	#223 NEOWISE N	2	
0039.253106.2002.UR3	1800	03:31	22:08:15.7	+15:30:09	300	90	5.0	#223 NEOWISE N	2	
0040.COMP	5	04:01	22:08:15.7	+15:30:09	300	90	5.0	0 Calibration	2	
0041.BDp174708	180	04:03	22:11:31.4	+18:05:34	300	90	5.0	#223 NEOWISE N	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0042.COMP	5	04:06	22:11:31.4	+18:05:34	300	90	5.0	0 Calibration	2	
0043.HD1368	60	04:08	00:17:54.6	+00:22:40	300	90	5.0	#223 NEOWISE N	2	
0044.COMP	5	04:09	00:17:54.6	+00:22:40	300	90	5.0	0 Calibration	2	
0045.HD1835	10	04:10	00:22:51.7	-12:12:34	300	90	5.0	#223 NEOWISE N	2	
0046.HD1835	10	04:11	00:22:51.7	-12:12:34	300	90	5.0	#223 NEOWISE N	2	
0047.HD1835	10	04:12	00:22:51.7	-12:12:34	300	90	5.0	#223 NEOWISE N	2	
0048.COMP	5	04:12	00:22:51.7	-12:12:34	300	90	5.0	0 Calibration	2	
0049.33342.1998WT24	500	04:14	01:20:16.5	+08:02:17	300	90	5.0	#223 NEOWISE N	2	
0050.33342.1998WT24	500	04:23	01:20:16.5	+08:02:17	300	90	5.0	#223 NEOWISE N	2	
0051.33342.1998WT24	500	04:32	01:20:16.5	+08:02:17	300	90	5.0	#223 NEOWISE N	2	
0052.COMP	5	04:40	01:20:16.5	+08:02:17	300	90	5.0	0 Calibration	2	
0053.HD9986	15	04:45	01:37:40.9	+12:04:42	300	90	5.0	#223 NEOWISE N	2	
0054.HD9986	15	04:45	01:37:40.9	+12:04:42	300	90	5.0	#223 NEOWISE N	2	
0055.HD9986	15	04:46	01:37:40.9	+12:04:42	300	90	5.0	#223 NEOWISE N	2	
0056.COMP	5	04:47	01:37:40.9	+12:04:42	300	90	5.0	0 Calibration	2	
0057.HD19445	20	04:48	03:08:26.3	+26:20:29	300	90	5.0	#223 NEOWISE N	2	
0058.HD19445	20	04:49	03:08:26.3	+26:20:29	300	90	5.0	#223 NEOWISE N	2	
0059.HD19445	20	04:50	03:08:26.3	+26:20:29	300	90	5.0	#223 NEOWISE N	2	
0060.COMP	5	04:50	03:08:26.3	+26:20:29	300	90	5.0	0 Calibration	2	
0061.test	10	04:53	03:40:00.0	+32:00:00	300	90	5.0	#223 NEOWISE N	2	

UT Date 2015-12-16 Observers P BerlindColl. Focus 1350 Grating/Grism 300

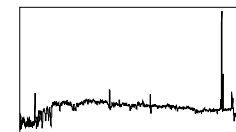
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0062.test	10	04:54	03:40:00.0	+32:00:00	300	90	5.0	#223 NEOWISE N	2	
0063.HD19445	30	04:56	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	300-line, 3-sec
0064.HD19445	30	04:57	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0065.COMP	10	04:58	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0066.snASASSN15rw	1800	04:59	02:15:58.1	+12:14:15	300	90	3.0	#2 SN Observat	2	
0067.COMP	10	05:30	02:15:58.1	+12:14:15	300	89	3.0	0 Calibration	2	
0068.snASASSN15tz	1800	05:32	02:41:08.9	+43:40:49	300	89	3.0	#2 SN Observat	2	
0069.COMP	10	06:03	02:41:08.9	+43:40:49	300	89	3.0	0 Calibration	2	
0070.snPSNJ03094251	1800	06:04	03:09:42.5	+40:58:29	300	90	3.0	#2 SN Observat	2	
0071.COMP	10	06:35	03:09:42.5	+40:58:29	300	90	3.0	0 Calibration	2	
0072.snASASSN15ti	1800	06:37	03:05:08.6	+37:54:01	300	90	3.0	#2 SN Observat	2	
0073.COMP	10	07:08	03:05:08.6	+37:54:01	300	90	3.0	0 Calibration	2	
0074.04362388+3441286	1500	07:12	04:36:23.9	+34:41:29	300	89	3.0	#141 2MASS Red	2	
0075.COMP	10	07:39	04:36:23.9	+34:41:29	300	89	3.0	0 Calibration	2	
0076.04470558+5517091	1500	07:43	04:47:05.6	+55:17:09	300	50	3.0	#141 2MASS Red	2	
0077.COMP	10	08:10	04:47:05.6	+55:17:09	300	50	3.0	0 Calibration	2	
0078.04395162+3727031	1500	08:13	04:39:51.6	+37:27:03	300	50	3.0	#141 2MASS Red	2	
0079.COMP	10	08:38	04:39:51.6	+37:27:03	300	50	3.0	0 Calibration	2	
0080.04504806+3015026	1500	08:40	04:50:48.1	+30:15:03	300	50	3.0	#141 2MASS Red	2	
0081.COMP	10	09:06	04:50:48.1	+30:15:03	300	50	3.0	0 Calibration	2	

UT Date 2015-12-16 Observers P BerlindColl. Focus 1350 Grating/Grism 300

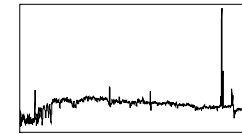
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0082.snASASSN15tj	1800	09:11	07:55:28.7	+52:09:28	300	90	3.0	#2 SN Observat	2	
0083.COMP	10	09:42	07:55:28.7	+52:09:28	300	89	3.0	0 Calibration	2	
0084.06192688+2959531	1200	09:44	06:19:26.9	+29:59:53	300	89	3.0	#141 2MASS Red	2	
0085.COMP	10	10:05	06:19:26.9	+29:59:53	300	90	3.0	0 Calibration	2	
0086.06153819+3003505	1500	10:06	06:15:38.2	+30:03:50	300	90	3.0	#141 2MASS Red	2	
0087.COMP	10	10:32	06:15:38.2	+30:03:50	300	90	3.0	0 Calibration	2	
0088.06144680+2828263	1500	10:35	06:14:46.8	+28:28:26	300	90	3.0	#141 2MASS Red	2	
0089.COMP	10	11:02	06:14:46.8	+28:28:26	300	90	3.0	0 Calibration	2	
0090.snPSNK0910088	1800	11:04	09:10:08.8	+50:03:40	300	90	3.0	#2 SN Observat	2	
0091.COMP	10	11:35	09:10:08.8	+50:03:40	300	90	3.0	0 Calibration	2	
0092.HD84937	30	11:38	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0093.HD84937	30	11:39	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0094.COMP	10	11:40	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0095.Feige34	180	11:42	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0096.COMP	10	11:45	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0097.snASASSN15so	720	11:49	11:14:11.0	+48:19:07	300	89	3.0	#2 SN Observat	2	
0098.COMP	10	12:01	11:14:11.0	+48:19:07	300	87	3.0	0 Calibration	2	
0099.TXCVn	30	12:03	12:44:42.0	+36:45:48	300	87	3.0	#12 Symbiotic	2	
0100.TXCVn	90	12:04	12:44:42.0	+36:45:48	300	87	3.0	#12 Symbiotic	2	
0101.COMP	10	12:07	12:44:42.0	+36:45:48	300	87	3.0	0 Calibration	2	

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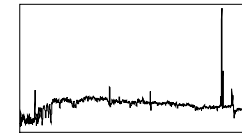
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0102-0111.BIAS	0	12:11	12:44:42.0	+36:45:48	300	87	3.0	0 Calibration	2	
0112-0126.FLAT	7	12:17	12:44:42.0	+36:45:48	300	87	3.0	0 Calibration	2	
0127-0131.DARK	1800	14:20	12:44:42.0	+36:45:48	300	87	3.0	0 Calibration	2	

UT Date 2015-12-17 Observers S JohnsonColl. Focus 1350 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:47	12:44:42.0	+36:45:48	300	87	3.0	0 Calibration	2	
0011-0025.FLAT	7	23:52	12:44:42.0	+36:45:48	300	87	3.0	0 Calibration	2	
0026.BDp174708	120	01:50	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0027.BDp174708	120	01:53	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0028.BDp174708	120	01:55	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0029.COMP	10	01:58	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0030.BDp284211	180	02:02	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0031.BDp284211	180	02:06	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0032.COMP	5	02:09	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0033.snASASSN15sf	1800	02:17	00:11:27.6	-06:25:38	300	90	3.0	#2 SN Observat	2	
0034.COMP	10	02:48	00:11:27.6	-06:25:38	300	90	3.0	0 Calibration	2	
0035.snASASSN15tz	1800	03:02	02:41:08.9	+43:40:49	300	90	3.0	#2 SN Observat	2	
0036.COMP	10	03:32	02:41:08.9	+43:40:49	300	90	3.0	0 Calibration	2	
0037.snASASSN15rw	1800	03:43	02:15:58.1	+12:14:15	300	89	3.0	#2 SN Observat	2	
0038.COMP	10	04:13	02:15:58.1	+12:14:15	300	89	3.0	0 Calibration	2	
0039.snASASSN15ti	1800	04:27	03:05:08.6	+37:54:01	300	90	3.0	#2 SN Observat	2	
0040.COMP	10	04:57	03:05:08.6	+37:54:01	300	90	3.0	0 Calibration	2	
0041.snPSNJ03094251	1800	05:02	03:09:42.5	+40:58:29	300	90	3.0	#2 SN Observat	2	
0042.COMP	10	05:33	03:09:42.5	+40:58:29	300	90	3.0	0 Calibration	2	
0043.04320163+3549447	1202	06:17	04:32:01.6	+35:49:45	300	90	3.0	#141 2MASS Red	2	

UT Date 2015-12-17 Observers S JohnsonColl. Focus 1350 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.COMP	10	06:37	04:32:01.6	+35:49:45	300	90	3.0	0 Calibration	2	
0045.test	10	06:42	05:30:00.0	+32:00:00	600	90	2.0	#141 2MASS Red	2	
0046.test	10	06:44	05:30:00.0	+32:00:00	600	90	2.0	#141 2MASS Red	2	
0047.test	10	06:46	05:30:00.0	+32:00:00	600	90	2.0	#141 2MASS Red	2	
0048.LSPMJ0532+3349	480	06:50	05:32:51.9	+33:49:47	600	89	2.0	#222 M dwarfs	2	
0049.COMP	10	06:59	05:32:51.9	+33:49:47	600	89	2.0	0 Calibration	2	
0050.LSPMJ0558+2121	1500	07:05	05:58:53.3	+21:21:02	600	90	2.0	#222 M dwarfs	2	
0051.COMP	10	08:01	05:58:53.3	+21:21:02	600	90	2.0	0 Calibration	2	
0052.Hiltner600	120	08:05	06:45:13.4	+02:08:15	600	90	2.0	#222 M dwarfs	2	
0053.COMP	10	08:07	06:45:13.4	+02:08:15	600	90	2.0	0 Calibration	2	
0054.LSPMJ0710+4700	600	08:13	07:10:13.4	+47:00:58	600	89	2.0	#222 M dwarfs	2	
0055.COMP	10	08:26	07:10:13.4	+47:00:58	600	89	2.0	0 Calibration	2	
0056.LSPMJ0717+1934	600	08:29	07:17:29.9	+19:34:17	600	89	2.0	#222 M dwarfs	2	
0057.COMP	10	08:39	07:17:29.9	+19:34:17	600	89	2.0	0 Calibration	2	
0058.LSPMJ0804+2856	660	08:42	08:04:02.9	+28:56:40	600	89	2.0	#222 M dwarfs	2	
0059.COMP	10	08:53	08:04:02.9	+28:56:40	600	89	2.0	0 Calibration	2	
0060.LSPMJ0804+2705	600	08:58	08:04:53.9	+27:05:09	600	90	2.0	#222 M dwarfs	2	
0061.COMP	10	09:08	08:04:53.9	+27:05:09	600	90	2.0	0 Calibration	2	
0062.LSPMJ0805+0417	2700	09:13	08:05:57.1	+04:17:04	600	90	2.0	#222 M dwarfs	2	
0063.COMP	10	09:59	08:05:57.1	+04:17:04	600	90	2.0	0 Calibration	2	

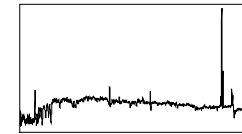
UT Date 2015-12-17 Observers S JohnsonColl. Focus 1350 Grating/Grism 600

<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>
0064.LSPMJ0811+5311	480	10:12	08:11:47.6	+53:11:51	600	90	2.0	#222 M dwarfs	2	
0065.COMP	10	10:20	08:11:47.6	+53:11:51	600	90	2.0	0 Calibration	2	
0066.LSPMJ0824+2555	1500	10:25	08:24:26.8	+25:55:37	600	89	2.0	#222 M dwarfs	2	
0067.COMP	10	10:50	08:24:26.8	+25:55:37	600	89	2.0	0 Calibration	2	
0068-0072.DARK	1200	15:26	08:24:26.8	+25:55:37	600	90	2.0	0 Calibration	2	



UT Date 2015-12-18 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:16	08:24:26.8	+25:55:37	600	90	2.0	0 Calibration	2	
0011-0025.FLAT	12	00:23	08:24:26.8	+25:55:37	600	90	2.0	0 Calibration	2	
0026.test	10	00:28	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0027.test	10	00:30	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0028.test	10	00:31	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0029.test	10	00:32	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0030-0039.FLAT	7	01:10	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0040.BDp174708	120	01:41	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0041.COMP	10	01:44	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0042.BDp284211	180	01:46	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0043.COMP	10	01:49	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0044.snASASSN15rw	1800	01:54	02:15:58.1	+12:14:15	300	89	3.0	#2 SN Observat	2	
0045.COMP	10	02:25	02:15:58.1	+12:14:15	300	89	3.0	0 Calibration	2	
0046.snPSNJ02473451+3454336	1800	02:30	02:47:34.5	+34:54:34	300	89	3.0	#2 SN Observat	2	
0047.COMP	10	03:00	02:47:34.5	+34:54:34	300	89	3.0	0 Calibration	2	
0048.snASASSN15tz	1800	03:04	02:41:08.9	+43:40:49	300	89	3.0	#2 SN Observat	2	
0049.COMP	10	03:35	02:41:08.9	+43:40:49	300	89	3.0	0 Calibration	2	
0050.snASASSN15ti	1800	03:38	03:05:08.6	+37:54:01	300	89	3.0	#2 SN Observat	2	
0051.COMP	10	04:08	03:05:08.6	+37:54:01	300	89	3.0	0 Calibration	2	
0052.snPSNJ03094251	1800	04:10	03:09:42.5	+40:58:29	300	89	3.0	#2 SN Observat	2	

UT Date 2015-12-18 Observers P BerlindColl. Focus 1350 Grating/Grism 300

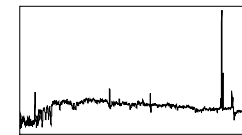
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0053.COMP	10	04:40	03:09:42.5	+40:58:29	300	89	3.0	0 Calibration	2	
0054.04315332+3511367	1800	04:43	04:31:53.3	+35:11:37	300	89	3.0	#141 2MASS Red	2	
0055.COMP	10	05:14	04:31:53.3	+35:11:37	300	89	3.0	0 Calibration	2	
0056.04315684+3456177	1800	05:15	04:31:56.8	+34:56:18	300	89	3.0	#141 2MASS Red	2	
0057.COMP	5	05:46	04:31:56.8	+34:56:18	300	89	3.0	0 Calibration	2	
0058.05504348+1027466	1200	05:57	05:50:43.5	+10:27:47	300	90	3.0	#141 2MASS Red	2	
0059.COMP	10	06:35	05:50:43.5	+10:27:47	300	89	3.0	0 Calibration	2	
0060.05531224+0648529	1800	06:37	05:53:12.2	+06:48:53	300	94	3.0	#141 2MASS Red	2	
0061.COMP	10	07:08	05:53:12.2	+06:48:53	300	95	3.0	0 Calibration	2	
0062.05564380+1330516	1200	07:10	05:56:43.8	+13:30:52	300	98	3.0	#141 2MASS Red	2	
0063.COMP	10	07:31	05:56:43.8	+13:30:52	300	98	3.0	0 Calibration	2	
0064.06373984-1307568	1800	07:33	06:37:39.8	-13:07:57	300	90	3.0	#141 2MASS Red	2	
0065.COMP	10	08:04	06:37:39.8	-13:07:57	300	89	3.0	0 Calibration	2	
0066.06410069-1220226	1500	08:06	06:41:00.7	-12:20:23	300	85	3.0	#141 2MASS Red	2	
0067.COMP	10	08:32	06:41:00.7	-12:20:23	300	85	3.0	0 Calibration	2	
0068.06434592-1739265	1500	08:33	06:43:45.9	-17:39:27	300	85	3.0	#141 2MASS Red	2	
0069.COMP	10	09:00	06:43:45.9	-17:39:27	300	85	3.0	0 Calibration	2	
0070.06521107-2225523	1200	09:06	06:52:11.1	-22:25:52	300	85	3.0	#141 2MASS Red	2	
0071.COMP	10	09:26	06:52:11.1	-22:25:52	300	85	3.0	0 Calibration	2	
0072.snASASSN15tj	1800	09:36	07:55:28.7	+52:09:28	300	91	3.0	#2 SN Observat	2	

UT Date 2015-12-18 Observers P BerlindColl. Focus 1350 Grating/Grism 300

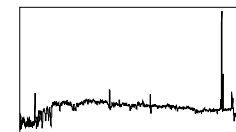
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0073.COMP	10	10:07	07:55:28.7	+52:09:28	300	90	3.0	0 Calibration	2	
0074.snPSNK0910088	1800	10:10	09:10:08.8	+50:03:40	300	90	3.0	#2 SN Observat	2	
0075.COMP	10	10:40	09:10:08.8	+50:03:40	300	90	3.0	0 Calibration	2	
0076.snPSNJ10101552+3217573	1800	10:43	10:10:15.5	+32:17:57	300	90	3.0	#2 SN Observat	2	
0077.COMP	10	11:14	10:10:15.5	+32:17:57	300	90	3.0	0 Calibration	2	
0078.snASASSN15so	900	11:15	11:14:11.0	+48:19:07	300	90	3.0	#2 SN Observat	2	
0079.COMP	10	11:31	11:14:11.0	+48:19:07	300	89	3.0	0 Calibration	2	
0080.snASASSN-15ua	900	12:03	13:34:54.5	+10:59:05	300	88	3.0	#2 SN Observat	2	
0081.snASASSN-15ua	900	12:18	13:34:54.5	+10:59:05	300	88	3.0	#2 SN Observat	2	
0082.snASASSN-15ua	900	12:33	13:34:54.5	+10:59:05	300	88	3.0	#2 SN Observat	2	
0083.COMP	10	12:49	13:34:54.5	+10:59:05	300	89	3.0	0 Calibration	2	
0084-0093.BIAS	0	12:52	13:34:54.5	+10:59:05	300	89	3.0	0 Calibration	2	
0094-0104.FLAT	7	12:57	13:34:54.5	+10:59:05	300	89	3.0	0 Calibration	2	
0105-0109.DARK	1800	15:02	13:34:54.5	+10:59:05	300	89	3.0	0 Calibration	2	

UT Date 2015-12-19 Observers ChilingarianColl. Focus 1350 Grating/Grism 300

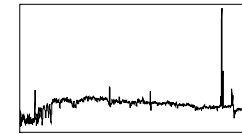
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:45	13:34:54.5	+10:59:05	300	89	3.0	0 Calibration	2	
0011-0020.FLAT	5	01:18	13:34:54.5	+10:59:05	300	89	5.0	0 Calibration	2	
0021.BDp284211	180	01:27	21:51:11.0	+28:51:50	300	89	5.0	#56 Spectropho	2	
0021.BDp284211q.ms	180	01:27	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	1	
0022.BDp284211	180	01:30	21:51:11.0	+28:51:50	300	89	5.0	#56 Spectropho	2	
0023.BDp284211	180	01:34	21:51:11.0	+28:51:50	300	89	5.0	#56 Spectropho	2	
0024.COMP	10	01:37	21:51:11.0	+28:51:50	300	91	5.0	0 Calibration	2	
0025.BDp174708	90	01:42	22:11:31.4	+18:05:34	300	90	5.0	#56 Spectropho	2	
0025.BDp174708q.ms	90	01:42	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	1	
0026.BDp174708	90	01:44	22:11:31.4	+18:05:34	300	90	5.0	#56 Spectropho	2	
0027.BDp174708	90	01:45	22:11:31.4	+18:05:34	300	90	5.0	#56 Spectropho	2	
0028.COMP	10	01:48	22:11:31.4	+18:05:34	300	90	5.0	0 Calibration	2	
0029.BDp284211	180	01:56	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0029.BDp284211q.ms	180	01:56	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	1	
0030.COMP	10	02:00	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0031.BDp174708	90	02:02	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0031.BDp174708q.ms	90	02:02	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	1	
0032.COMP	10	02:04	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0032.COMPq.ms	10	02:04	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	1	
0033.snASASSN15tz	1800	02:16	02:41:08.9	+43:40:49	300	90	3.0	#2 SN Observat	2	

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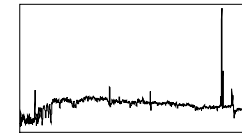
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0033.snASASSN15tzq.ms	1800	02:16	02:41:08.9	+43:40:49	300	90	3.0	#2 SN Observat	1	
0034.COMP	10	02:47	02:41:08.9	+43:40:49	300	89	3.0	0 Calibration	2	
0034.COMPq.ms	10	02:47	02:41:08.9	+43:40:49	300	89	3.0	#2 SN Observat	1	
0035.snASASSN15ti	1800	02:52	03:05:08.6	+37:54:01	300	89	3.0	#2 SN Observat	2	
0036.COMP	10	03:23	03:05:08.6	+37:54:01	300	90	3.0	0 Calibration	2	
0037.snPSNJ03094251	1800	03:40	03:09:42.5	+40:58:29	300	90	3.0	#2 SN Observat	2	
0037.snPSNJ03094251q.ms	1800	03:40	03:09:42.5	+40:58:29	300	90	3.0	#2 SN Observat	1	
0038.COMP	10	04:11	03:09:42.5	+40:58:29	300	91	3.0	0 Calibration	2	
0039.04322641+3552103	1800	04:50	04:32:26.4	+35:52:10	300	91	3.0	#141 2MASS Red	2	
0040.COMP	10	05:20	04:32:26.4	+35:52:10	300	91	3.0	0 Calibration	2	
0040.COMPq.ms	10	05:20	04:32:26.4	+35:52:10	300	91	3.0	#141 2MASS Red	1	
0041.04340658+3738501	1800	05:26	04:34:06.6	+37:38:50	300	90	3.0	#141 2MASS Red	2	
0041.04340658+3738501q.ms	1800	05:26	04:34:06.6	+37:38:50	300	90	3.0	#141 2MASS Red	1	
0042.COMP	10	05:56	04:34:06.6	+37:38:50	300	91	3.0	0 Calibration	2	
0043.04471998+5922159	1800	06:02	04:47:20.0	+59:22:16	300	91	3.0	#141 2MASS Red	2	
0043.04471998+5922159q.ms	1800	06:02	04:47:20.0	+59:22:16	300	91	3.0	#141 2MASS Red	1	
0044.COMP	10	06:32	04:47:20.0	+59:22:16	300	90	3.0	0 Calibration	2	
0045.AWI0005wj2	1200	06:41	05:35:20.2	-02:47:24	300	90	3.0	#219 Disk Dete	2	
0045.AWI0005wj2q.ms	1200	06:41	05:35:20.2	-02:47:24	300	90	3.0	#219 Disk Dete	1	
0046.COMP	10	07:02	05:35:20.2	-02:47:24	300	88	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0047.AWI0005wn0	1800	07:08	05:38:09.3	-06:49:17	300	91	3.0	#219 Disk Dete	2	
0047.AWI0005wn0q.ms	1800	07:08	05:38:09.3	-06:49:17	300	91	3.0	#219 Disk Dete	1	
0048.COMP	10	07:39	05:38:09.3	-06:49:17	300	91	3.0	0 Calibration	2	
0049.AWI0005ws4	1200	07:45	05:41:59.8	+00:35:27	300	91	3.0	#219 Disk Dete	2	
0049.AWI0005ws4q.ms	1200	07:45	05:41:59.8	+00:35:27	300	91	3.0	#219 Disk Dete	1	
0050.COMP	10	08:07	05:41:59.8	+00:35:27	300	91	3.0	0 Calibration	2	
0050.COMPq.ms	10	08:07	05:41:59.8	+00:35:27	300	91	3.0	#219 Disk Dete	1	
0051.AWI0005wvk	1200	08:16	05:54:29.9	-05:58:52	300	91	3.0	#219 Disk Dete	2	
0051.AWI0005wvkq.ms	1200	08:16	05:54:29.9	-05:58:52	300	91	3.0	#219 Disk Dete	1	
0052.COMP	10	08:37	05:54:29.9	-05:58:52	300	91	3.0	0 Calibration	2	
0053.AWI0004eko	1200	09:23	05:56:37.3	+16:28:35	300	91	3.0	#219 Disk Dete	2	
0053.AWI0004ekoq.ms	1200	09:23	05:56:37.3	+16:28:35	300	91	3.0	#219 Disk Dete	1	
0054.AWI0004eko	600	09:46	05:56:37.3	+16:28:35	300	91	3.0	#219 Disk Dete	2	
0054.AWI0004ekoq.ms	600	09:46	05:56:37.3	+16:28:35	300	91	3.0	#219 Disk Dete	1	
0055.COMP	10	09:59	05:56:37.3	+16:28:35	300	88	3.0	0 Calibration	2	
0056.snASASSN15tj	1800	10:05	07:55:28.7	+52:09:28	300	88	3.0	#2 SN Observat	2	
0056.snASASSN15tjq.ms	1800	10:05	07:55:28.7	+52:09:28	300	88	3.0	#2 SN Observat	1	
0057.COMP	10	10:35	07:55:28.7	+52:09:28	300	90	3.0	0 Calibration	2	
0058.HD84937	30	10:57	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0059.HD84937	30	10:58	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0060.HD84937	30	10:59	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0061.COMP	10	11:00	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0062.Feige34	180	11:05	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0063.Feige34	180	11:08	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0064.Feige34	180	11:11	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0065.COMP	10	11:14	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0066.snASASSN-15uh	900	11:32	09:30:13.7	+69:07:03	300	87	3.0	#220 ASASSN Tr	2	
0066.snASASSN-15uhq.ms	900	11:32	09:30:13.7	+69:07:03	300	87	3.0	#220 ASASSN Tr	1	
0067.snASASSN-15uh	900	11:51	09:30:13.7	+69:07:03	300	87	3.0	#220 ASASSN Tr	2	
0068.snASASSN-15uh	900	12:06	09:30:13.7	+69:07:03	300	87	3.0	#220 ASASSN Tr	2	
0069.COMP	10	12:22	09:30:13.7	+69:07:03	300	87	3.0	0 Calibration	2	
0070.snASASSN15so	1800	12:29	11:14:11.0	+48:19:07	300	90	3.0	#2 SN Observat	2	
0070.snASASSN15soq.ms	1800	12:29	11:14:11.0	+48:19:07	300	90	3.0	#2 SN Observat	1	
0071.COMP	10	13:00	11:14:11.0	+48:19:07	300	86	3.0	0 Calibration	2	
0071.COMPq.ms	10	13:00	11:14:11.0	+48:19:07	300	86	3.0	#2 SN Observat	1	
0072.Comet.Catalina	10	13:03	14:17:11.9	+02:14:02	300	86	3.0	#99 Director	2	
0072.Comet.Catalinaq.ms	10	13:03	14:17:11.9	+02:14:02	300	86	3.0	#99 Director	1	
0073.Comet.Catalina	20	13:05	14:17:11.9	+02:14:02	300	86	3.0	#99 Director	2	
0073.Comet.Catalinaq.ms	20	13:05	14:17:11.9	+02:14:02	300	86	3.0	#99 Director	1	
0074.Comet.Catalina	30	13:06	14:17:11.9	+02:14:02	300	86	3.0	#99 Director	2	

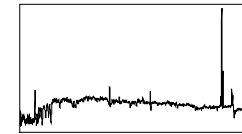
UT Date 2015-12-19 Observers ChilingarianColl. Focus 1350 Grating/Grism 300

<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>
0074.Comet.Catalinaq.ms	30	13:06	14:17:11.9	+02:14:02	300	86	3.0	#99 Director	1	
0075.Comet.Catalina	40	13:07	14:17:11.9	+02:14:02	300	86	3.0	#99 Director	2	
0075.Comet.Catalinaq.ms	40	13:07	14:17:11.9	+02:14:02	300	86	3.0	#99 Director	1	
0076.Comet.Catalina	50	13:09	14:17:11.9	+02:14:02	300	86	3.0	#99 Director	2	
0076.Comet.Catalinaq.ms	50	13:09	14:17:11.9	+02:14:02	300	86	3.0	#99 Director	1	
0077.Comet.Catalina	60	13:10	14:17:11.9	+02:14:02	300	86	3.0	#99 Director	2	
0077.Comet.Catalinaq.ms	60	13:10	14:17:11.9	+02:14:02	300	86	3.0	#99 Director	1	
0078.COMP	10	13:12	14:17:11.9	+02:14:02	300	87	3.0	0 Calibration	2	
0083-0092.FLAT	7	13:24	14:17:11.9	+02:14:02	300	87	3.0	0 Calibration	2	
0093-0102.DARK	1800	18:22	12:30:00.0	+31:00:00	300	87	3.0	0 Calibration	2	
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	



UT Date 2015-12-20 Observers Rubtsov & AfanasievColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	07:58	12:30:00.0	+31:00:00	300	87	3.0	0 Calibration	2	
0010.BIASq.ms	0	07:58	12:30:00.0	+31:00:00	300	87	3.0	#99 Director	1	
0011-0020.FLAT	7	08:03	12:30:00.0	+31:00:00	300	87	3.0	0 Calibration	2	
0021.05583384+4026458	1800	08:15	05:58:33.8	+40:26:46	300	90	3.0	#141 2MASS Red	2	
0021.05583384+4026458q.ms	1800	08:15	05:58:33.8	+40:26:46	300	90	3.0	#141 2MASS Red	1	
0021.BDp284211q.ms	180	01:27	21:51:11.0	+28:51:50	300	89	5.0	#56 Spectropho	1	
0022.COMP	10	08:49	05:58:33.8	+40:26:46	300	90	3.0	0 Calibration	2	
0023.05582946+3753309	1800	08:56	05:58:29.5	+37:53:31	300	90	3.0	#141 2MASS Red	2	
0023.05582946+3753309q.ms	1800	08:56	05:58:29.5	+37:53:31	300	90	3.0	#141 2MASS Red	1	
0024.COMP	10	09:29	05:58:29.5	+37:53:31	300	91	3.0	0 Calibration	2	
0025.05580909+4413436	1800	09:34	05:58:09.1	+44:13:44	300	91	3.0	#141 2MASS Red	2	
0025.05580909+4413436q.ms	1800	09:34	05:58:09.1	+44:13:44	300	91	3.0	#141 2MASS Red	1	
0026.COMP	10	10:07	05:58:09.1	+44:13:44	300	90	3.0	0 Calibration	2	
0027.snASASSN15so	1800	10:52	11:14:11.0	+48:19:07	300	89	3.0	#2 SN Observat	2	
0027.snASASSN15soq.ms	1800	10:52	11:14:11.0	+48:19:07	300	89	3.0	#2 SN Observat	1	
0028.COMP	10	11:23	11:14:11.0	+48:19:07	300	90	3.0	0 Calibration	2	
0029.HD84937	30	11:28	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0031.COMP	10	11:30	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0032.Feige34	180	11:33	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0033.COMP	10	11:36	10:39:36.7	+43:06:09	300	81	3.0	0 Calibration	2	

UT Date 2015-12-20 Observers Rubtsov & AfanasievColl. Focus 1350 Grating/Grism 300

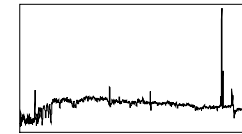
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0034-0043.FLAT	7	12:33	14:17:11.9	+02:14:02	300	81	3.0	0 Calibration	2	
0044.Comet.Catalina	120	12:48	14:17:06.0	+03:13:00	300	81	3.0	#99 Director	2	
0044.Comet.Catalinaq.ms	120	12:48	14:17:06.0	+03:13:00	300	81	3.0	#99 Director	1	
0045.Comet.Catalina	120	12:51	14:17:06.0	+03:13:00	300	81	3.0	#99 Director	2	
0045.Comet.Catalinaq.ms	120	12:51	14:17:06.0	+03:13:00	300	81	3.0	#99 Director	1	
0046.Comet.Catalina	120	12:54	14:17:06.0	+03:13:00	300	81	3.0	#99 Director	2	
0046.Comet.Catalinaq.ms	120	12:54	14:17:06.0	+03:13:00	300	81	3.0	#99 Director	1	
0047.COMP	10	12:57	14:17:06.0	+03:13:00	300	81	3.0	0 Calibration	2	
0048-0057.DARK	1800	17:39	12:00:00.0	+30:00:00	300	81	3.0	0 Calibration	2	
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	

UT Date 2015-12-21 Observers Rubtsov & AfanasievColl. Focus 1385 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:01	12:00:00.0	+30:00:00	300	81	3.0	0 Calibration	2	
0011-0020.FLAT	7	01:05	12:00:00.0	+30:00:00	300	81	3.0	0 Calibration	2	
0021.BDp284211	180	01:18	21:51:11.0	+28:51:50	300	81	3.0	#56 Spectropho	2	
0022.COMP	10	01:24	21:51:11.0	+28:51:50	300	91	3.0	0 Calibration	2	
0023.BDp174708	90	01:27	22:11:31.4	+18:05:34	300	91	3.0	#56 Spectropho	2	
0024.COMP	10	01:28	22:11:31.4	+18:05:34	300	91	3.0	0 Calibration	2	
0025.snASASSN15tz	1800	01:44	02:41:08.9	+43:40:49	300	87	3.0	#2 SN Observat	2	
0026.COMP	10	02:14	02:41:08.9	+43:40:49	300	87	3.0	0 Calibration	2	
0027.snASASSN15ti	1800	02:21	03:05:08.6	+37:54:01	300	87	3.0	#2 SN Observat	2	
0028.COMP	10	02:52	03:05:08.6	+37:54:01	300	87	3.0	0 Calibration	2	
0029.snPSNJ03094251	1800	03:00	03:09:42.5	+40:58:29	300	87	3.0	#2 SN Observat	2	
0030.COMP	10	03:31	03:09:42.5	+40:58:29	300	88	3.0	0 Calibration	2	
0031.04550393+3350293	1800	03:46	04:55:03.9	+33:50:29	300	88	3.0	#141 2MASS Red	2	
0032.COMP	10	04:16	04:55:03.9	+33:50:29	300	89	3.0	0 Calibration	2	
0033.04561153+3058488	2700	04:33	04:56:11.5	+30:58:49	300	89	3.0	#141 2MASS Red	2	
0034.COMP	10	05:18	04:56:11.5	+30:58:49	300	89	3.0	0 Calibration	2	
0035.05270585+5046117	1800	05:24	05:27:05.8	+50:46:12	300	89	3.0	#141 2MASS Red	2	
0036.COMP	10	05:55	05:27:05.8	+50:46:12	300	89	3.0	0 Calibration	2	
0037.05290422+2143269	1800	06:43	05:29:04.2	+21:43:27	300	89	3.0	#141 2MASS Red	2	
0038.COMP	10	07:14	05:29:04.2	+21:43:27	300	90	3.0	0 Calibration	2	

UT Date 2015-12-21 Observers Rubtsov & AfanasievColl. Focus 1385 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0039.05320580+2409568	1800	07:25	05:32:05.8	+24:09:57	300	91	3.0	#141 2MASS Red	2	
0040.COMP	10	07:55	05:32:05.8	+24:09:57	300	90	3.0	0 Calibration	2	
0041.05355039+1650332	1800	08:06	05:35:50.4	+16:50:33	300	90	3.0	#141 2MASS Red	2	
0042.COMP	10	08:38	05:35:50.4	+16:50:33	300	91	3.0	0 Calibration	2	
0043.05381628+1936162	1800	08:46	05:38:16.3	+19:36:16	300	91	3.0	#141 2MASS Red	2	
0044.COMP	10	09:16	05:38:16.3	+19:36:16	300	91	3.0	0 Calibration	2	
0045.test	10	09:23	08:30:00.0	+30:00:00	300	91	3.0	#141 2MASS Red	2	
0046.test	10	09:34	08:30:00.0	+30:00:00	300	91	3.0	#141 2MASS Red	2	
0047.test	10	09:48	08:30:00.0	+30:00:00	300	91	3.0	#141 2MASS Red	2	
0048.test	10	09:55	08:30:00.0	+30:00:00	300	91	3.0	#141 2MASS Red	2	
0049.test	10	09:57	08:30:00.0	+30:00:00	300	91	3.0	#141 2MASS Red	2	
0050.test	10	10:07	08:30:00.0	+30:00:00	300	91	3.0	#141 2MASS Red	2	
0051.LSPMJ0840+0709	1200	10:27	08:40:05.0	+07:09:16	300	91	3.0	#222 M dwarfs	2	
0052.COMP	10	10:48	08:40:05.0	+07:09:16	300	90	3.0	0 Calibration	2	
0053.LSPMJ0840+1824	1800	10:54	08:40:29.7	+18:24:08	300	90	3.0	#222 M dwarfs	2	
0054.COMP	10	11:25	08:40:29.7	+18:24:08	300	90	3.0	0 Calibration	2	
0055.LSPMJ1025+0512	1800	11:31	10:25:26.4	+05:12:39	300	90	3.0	#222 M dwarfs	2	
0056.COMP	10	12:01	10:25:26.4	+05:12:39	300	90	3.0	0 Calibration	2	
0057.LSPMJ1023+4353	1500	12:04	10:23:51.9	+43:53:33	300	90	3.0	#222 M dwarfs	2	
0058.COMP	10	12:31	10:23:51.9	+43:53:33	300	84	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0059.LSPMJ1057+4923	1500	12:35	10:57:26.0	+49:23:56	300	84	3.0	#222 M dwarfs	2	
0060.COMP	10	13:01	10:57:26.0	+49:23:56	300	84	3.0	0 Calibration	2	
0061.HD84937	30	13:04	09:48:56.1	+13:44:39	300	83	3.0	#56 Spectropho	2	
0062.COMP	10	13:05	09:48:56.1	+13:44:39	300	83	3.0	0 Calibration	2	
0063.Feige34	180	13:08	10:39:36.7	+43:06:09	300	83	3.0	#56 Spectropho	2	
0064.COMP	10	13:12	10:39:36.7	+43:06:09	300	83	3.0	0 Calibration	2	
0065-0074.FLAT	7	13:17	10:39:36.7	+43:06:09	300	83	3.0	0 Calibration	2	
0075.Feige34	120	13:46	10:39:36.7	+43:06:09	300	83	3.0	#56 Spectropho	2	
0076.Feige34	60	13:49	10:39:36.7	+43:06:09	300	83	3.0	#56 Spectropho	2	
0077.COMP	10	13:51	10:39:36.7	+43:06:09	300	83	3.0	0 Calibration	2	
0078.HD84937	30	13:53	09:48:56.1	+13:44:39	300	83	3.0	#56 Spectropho	2	
0079.HD84937	30	13:55	09:48:56.1	+13:44:39	300	83	3.0	#56 Spectropho	2	
0080.HD84937	30	13:57	09:48:56.1	+13:44:39	300	83	3.0	#56 Spectropho	2	
0081.HD84937	30	13:58	09:48:56.1	+13:44:39	300	83	3.0	#56 Spectropho	2	
0082.COMP	10	14:01	09:48:56.1	+13:44:39	300	83	3.0	0 Calibration	2	
0083-0086.DARK	1800	15:44	13:00:00.0	+30:00:00	300	83	3.0	0 Calibration	2	