

UT Date 2015-10-10 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:42	19:28:54.1	+31:28:10	300	88	3.0	0 Calibration	4	
0011-0030.FLAT	7	01:50	19:28:54.1	+31:28:10	300	88	3.0	0 Calibration	2	
0031.BIAS	0	02:07	19:28:54.1	+31:28:10	300	88	3.0	0 Calibration	2	high winds...
0032-0040.BIAS	0	02:09	19:28:54.1	+31:28:10	300	88	3.0	0 Calibration	2	
0041-0050.DARK	900	06:55	19:28:54.1	+31:28:10	300	88	3.0	0 Calibration	4	
0051.HD19445	10	09:22	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0052.COMP	10	09:23	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0053.HD19445	20	09:24	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0054.COMP	10	09:25	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0055.G191B2B	360	09:26	05:05:30.6	+52:49:52	300	88	3.0	#56 Spectropho	2	
0056.COMP	10	09:33	05:05:30.6	+52:49:52	300	86	3.0	0 Calibration	2	

UT Date 2015-10-11 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	900	01:28	05:05:30.6	+52:49:52	300	85	3.0	0 Calibration	4	
0008-0017.BIAS	0	01:52	05:05:30.6	+52:49:52	300	85	3.0	0 Calibration	4	
0018-0037.FLAT	7	02:06	05:05:30.6	+52:49:52	300	85	3.0	0 Calibration	2	
0038-0047.BIAS	0	02:13	05:05:30.6	+52:49:52	300	85	3.0	0 Calibration	2	
0048.BDp284211	150	02:23	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0049.COMP	10	02:26	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0050.BDp174708	90	02:28	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0051.COMP	10	02:30	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0052.N7331	210	02:32	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	
0053.COMP	10	02:37	22:37:04.1	+34:24:56	300	90	3.0	0 Calibration	2	
0054.snASASSN-15oi	2400	02:42	20:39:09.1	-30:45:21	300	90	3.0	#220 ASASSN Tr	2	through clouds
0055.COMP	10	03:22	20:39:09.1	-30:45:21	300	90	3.0	0 Calibration	2	
0056.AWI0005byy	180	03:29	20:22:22.8	+73:09:04	300	90	3.0	#219 Disk Dete	2	
0057.COMP	10	03:33	20:22:22.8	+73:09:04	300	90	3.0	0 Calibration	2	
0058.AWI0005bz1	660	03:36	20:25:15.4	+73:36:33	300	88	3.0	#219 Disk Dete	2	
0059.COMP	10	03:48	20:25:15.4	+73:36:33	300	88	3.0	0 Calibration	2	
0060.AWI0005bz3	360	03:49	20:26:59.1	+72:23:08	300	88	3.0	#219 Disk Dete	2	clouds... sat? get again
0061.COMP	10	03:56	20:26:59.1	+72:23:08	300	89	3.0	0 Calibration	2	
0062.AWI0005bz3	420	03:57	20:26:59.1	+72:23:08	300	89	3.0	#219 Disk Dete	2	
0063.COMP	10	04:04	20:26:59.1	+72:23:08	300	89	3.0	0 Calibration	2	

UT Date 2015-10-11 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.AWI0005yb5	1200	04:57	20:30:16.6	+12:36:29	300	90	3.0	#219 Disk Dete	2	
0065.COMP	10	05:17	20:30:16.6	+12:36:29	300	89	3.0	0 Calibration	2	
0066.AWI0005ybi	60	05:19	20:35:05.9	+13:27:53	300	89	3.0	#219 Disk Dete	2	ID?
0067.COMP	10	05:21	20:35:05.9	+13:27:53	300	89	3.0	0 Calibration	2	
0068.AWI0005ybi	20	05:22	20:35:05.9	+13:27:53	300	89	3.0	#219 Disk Dete	2	ID?
0069.COMP	10	05:23	20:35:05.9	+13:27:53	300	89	3.0	0 Calibration	2	
0070.AWI0005ybp	900	05:24	20:37:07.8	+14:58:56	300	89	3.0	#219 Disk Dete	2	
0071.COMP	10	05:40	20:37:07.8	+14:58:56	300	90	3.0	0 Calibration	2	
0072.AWI0005a4g	1500	05:43	20:43:04.1	+64:19:16	300	90	3.0	#219 Disk Dete	2	
0073.COMP	10	06:09	20:43:04.1	+64:19:16	300	90	3.0	0 Calibration	2	
0074.AWI0005a9u	1800	06:21	21:55:35.7	+69:15:07	300	86	3.0	#219 Disk Dete	2	
0075.COMP	10	06:53	21:55:35.7	+69:15:07	300	87	3.0	0 Calibration	2	
0076.LSPMJ0005+4129	720	07:01	00:05:55.2	+41:29:29	600	87	2.0	#222 M dwarfs	2	
0077.COMP	10	07:14	00:05:55.2	+41:29:29	600	90	2.0	0 Calibration	2	
0078.LSPMJ0021+4912	480	07:16	00:21:57.8	+49:12:38	600	90	2.0	#222 M dwarfs	2	
0079.COMP	10	07:25	00:21:57.8	+49:12:38	600	89	2.0	0 Calibration	2	
0080.LSPMJ0030+7742	1500	07:27	00:30:48.7	+77:42:34	600	89	2.0	#222 M dwarfs	2	
0081.COMP	10	07:53	00:30:48.7	+77:42:34	600	89	2.0	0 Calibration	2	
0082.LSPMJ0039+1454N	600	07:56	00:39:33.8	+14:54:35	600	89	2.0	#222 M dwarfs	2	
0083.COMP	10	08:06	00:39:33.8	+14:54:35	600	90	2.0	0 Calibration	2	

UT Date 2015-10-11 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.LSPMJ0054+2731	720	08:08	00:54:48.1	+27:31:04	600	90	2.0	#222 M dwarfs	2	
0085.COMP	10	08:20	00:54:48.1	+27:31:04	600	90	2.0	0 Calibration	2	
0086.LSPMJ0100+3404	1800	08:22	01:00:13.9	+34:04:06	600	90	2.0	#222 M dwarfs	2	
0087.COMP	10	08:53	01:00:13.9	+34:04:06	600	90	2.0	0 Calibration	2	
0088.LSPMJ0101+5410	1500	08:56	01:01:59.5	+54:10:58	600	90	2.0	#222 M dwarfs	2	
0089.COMP	10	09:22	01:01:59.5	+54:10:58	600	90	2.0	0 Calibration	2	
0090.LSPMJ0203+2134	2400	09:24	02:03:28.7	+21:34:17	600	90	2.0	#222 M dwarfs	2	
0091.COMP	10	10:05	02:03:28.7	+21:34:17	600	90	2.0	0 Calibration	2	
0092.LSPMJ0207+6417	720	10:08	02:07:10.3	+64:17:11	600	90	2.0	#222 M dwarfs	2	
0093.COMP	10	10:21	02:07:10.3	+64:17:11	600	89	2.0	0 Calibration	2	
0094.HD19445	50	10:28	03:08:25.6	+26:19:51	600	88	2.0	#56 Spectropho	2	clouds returning...
0095.COMP	10	10:30	03:08:25.6	+26:19:51	600	88	2.0	0 Calibration	2	
0096.HD19445	420	10:30	03:08:25.6	+26:19:51	600	88	2.0	#56 Spectropho	2	close for clouds
0097.COMP	10	10:38	03:08:25.6	+26:19:51	600	88	2.0	0 Calibration	2	
0098-0107.FLAT	18	10:49	03:08:25.6	+26:19:51	600	88	2.0	0 Calibration	2	
0108.COMP	5	12:11	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	test
0109.COMP	5	12:13	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	test
0110-0129.FLAT	7	12:21	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0130-0139.BIAS	0	12:24	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0140-0149.DARK	900	14:42	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	

UT Date 2015-10-12 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	00:43	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	4	
0011-0020.BIAS	0	01:18	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	4	
0021-0040.FLAT	8	01:26	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0041-0050.BIAS	0	01:29	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0051-0060.FLAT	5	01:48	03:08:25.6	+26:19:51	300	88	5.0	0 Calibration	2	
0061.68216	1200	02:06	19:21:44.1	-39:00:00	300	88	5.0	#223 NEOWISE N	2	row=75, very faint, will get again
0062.COMP	5	02:26	19:21:44.1	-39:00:00	300	88	5.0	0 Calibration	2	
0063.HD219018	3	02:35	23:12:38.6	+02:41:10	300	88	5.0	#223 NEOWISE N	2	
0064.COMP	5	02:35	23:12:38.6	+02:41:10	300	88	5.0	0 Calibration	2	
0065.HD219018	10	02:36	23:12:38.6	+02:41:10	300	88	5.0	#223 NEOWISE N	2	
0066.COMP	5	02:37	23:12:38.6	+02:41:10	300	88	5.0	0 Calibration	2	
0067.snASASSN-15oi	2100	02:49	20:39:09.1	-30:45:21	300	88	3.0	#220 ASASSN Tr	2	
0068.COMP	10	03:25	20:39:09.1	-30:45:21	300	90	3.0	0 Calibration	2	
0069.BDp284211	150	03:29	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0070.COMP	10	03:32	21:51:11.0	+28:51:50	300	88	3.0	0 Calibration	2	
0071.BDp174708	90	03:34	22:11:31.4	+18:05:34	300	88	3.0	#56 Spectropho	2	
0072.COMP	10	03:36	22:11:31.4	+18:05:34	300	88	3.0	0 Calibration	2	
0073.AWI0005d6u	90	03:40	18:30:52.9	+63:10:33	300	88	3.0	#219 Disk Dete	2	
0074.COMP	10	03:42	18:30:52.9	+63:10:33	300	88	3.0	0 Calibration	2	
0075.AWI0005bud	4	03:44	18:41:41.3	+31:37:03	300	88	3.0	#219 Disk Dete	2	

UT Date 2015-10-12 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.COMP	10	03:50	18:41:41.3	+31:37:03	300	90	3.0	0 Calibration	2	
0077.AWI00059qb	150	03:52	18:49:30.7	+25:34:28	300	90	3.0	#219 Disk Dete	2	
0078.COMP	10	03:55	18:49:30.7	+25:34:28	300	89	3.0	0 Calibration	2	
0079.AWI00059qb	90	03:56	18:49:30.7	+25:34:28	300	89	3.0	#219 Disk Dete	2	
0080.COMP	10	03:58	18:49:30.7	+25:34:28	300	90	3.0	0 Calibration	2	
0081.AWI00051th	1700	04:00	19:17:09.8	+28:53:46	300	90	3.0	#219 Disk Dete	2	
0082.COMP	10	04:29	19:17:09.8	+28:53:46	300	89	3.0	0 Calibration	2	
0083.AWI00059rx	240	04:30	18:55:37.4	+36:29:58	300	89	3.0	#219 Disk Dete	2	
0084.COMP	10	04:35	18:55:37.4	+36:29:58	300	90	3.0	0 Calibration	2	
0085.AWI00059ry	20	04:36	18:55:41.3	+25:41:42	300	90	3.0	#219 Disk Dete	2	
0086.COMP	10	04:37	18:55:41.3	+25:41:42	300	90	3.0	0 Calibration	2	
0087.AWI00059vy	35	04:40	19:18:45.3	+37:14:49	300	90	3.0	#219 Disk Dete	2	
0088.COMP	10	04:41	19:18:45.3	+37:14:49	300	90	3.0	0 Calibration	2	
0089.AWI0005bwq	180	04:44	19:24:37.5	+56:34:55	300	90	3.0	#219 Disk Dete	2	
0090.COMP	10	04:48	19:24:37.5	+56:34:55	300	90	3.0	0 Calibration	2	
0091.AWI0005zc7	30	04:50	20:45:42.6	+04:21:43	300	90	3.0	#219 Disk Dete	2	
0092.COMP	10	04:51	20:45:42.6	+04:21:43	300	90	3.0	0 Calibration	2	
0093.AWI0001psc	4	04:53	20:53:25.5	+48:16:03	300	90	3.0	#219 Disk Dete	2	
0094.COMP	10	04:54	20:53:25.5	+48:16:03	300	90	3.0	0 Calibration	2	
0095.AWI0001psc	12	04:55	20:53:25.5	+48:16:03	300	90	3.0	#219 Disk Dete	2	

UT Date 2015-10-12 Observers M CalkinsColl. Focus 1360 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>
0096.COMP	10	04:56	20:53:25.5	+48:16:03	300	90	3.0	0 Calibration	2	
0097-0106.DARK	900	13:48	21:01:20.4	+50:20:08	300	90	3.0	0 Calibration	2	

UT Date 2015-10-13 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	23:51	21:01:20.4	+50:20:08	300	90	3.0	0 Calibration	4	
0011-0030.BIAS	0	01:41	21:01:20.4	+50:20:08	300	90	3.0	0 Calibration	4	
0031-0050.FLAT	8	01:55	21:01:20.4	+50:20:08	300	90	3.0	0 Calibration	2	
0051-0070.BIAS	0	02:01	21:01:20.4	+50:20:08	300	90	3.0	0 Calibration	2	
0071.BDp284211	180	05:43	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0072.COMP	10	05:47	21:51:11.0	+28:51:50	300	88	3.0	0 Calibration	2	
0073.BDp174708	90	05:48	22:11:31.4	+18:05:34	300	88	3.0	#56 Spectropho	2	
0074.COMP	10	05:50	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0075.AWI0001puz	1800	05:53	21:01:20.4	+50:20:08	300	90	3.0	#219 Disk Dete	2	
0076.COMP	10	06:23	21:01:20.4	+50:20:08	300	90	3.0	0 Calibration	2	
0077.AWI0005a5n	1800	06:26	21:02:20.4	+68:25:24	300	90	3.0	#219 Disk Dete	2	
0078.COMP	10	06:56	21:02:20.4	+68:25:24	300	90	3.0	0 Calibration	2	
0079.AWI0005zda	1800	06:59	21:09:31.7	+14:04:44	300	90	3.0	#219 Disk Dete	2	
0080.COMP	10	07:30	21:09:31.7	+14:04:44	300	90	3.0	0 Calibration	2	
0081.AWI0005c23	60	07:34	23:27:13.8	+79:32:31	300	90	3.0	#219 Disk Dete	2	
0082.COMP	10	07:36	23:27:13.8	+79:32:31	300	90	3.0	0 Calibration	2	
0083.AWI0005adj	11	07:37	23:28:57.6	+75:13:32	300	90	3.0	#219 Disk Dete	2	
0084.COMP	10	07:38	23:28:57.6	+75:13:32	300	90	3.0	0 Calibration	2	
0085.AWI0005ae4	10	07:41	23:54:49.3	+74:24:36	300	90	3.0	#219 Disk Dete	2	
0086.COMP	10	07:42	23:54:49.3	+74:24:36	300	90	3.0	0 Calibration	2	



UT Date 2015-10-13 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.M31	60	07:44	00:42:44.3	+41:16:09	300	90	3.0	#57 Velocity S	2	
0088.COMP	10	07:46	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0089.LSPMJ0032+5429	780	07:54	00:32:15.7	+54:29:02	600	90	2.0	#222 M dwarfs	2	
0090.COMP	10	08:08	00:32:15.7	+54:29:02	600	90	2.0	0 Calibration	2	
0091.LSPMJ0034+4050	1800	08:11	00:34:37.9	+40:50:02	600	89	2.0	#222 M dwarfs	2	
0092.COMP	10	08:42	00:34:37.9	+40:50:02	600	89	2.0	0 Calibration	2	
0093.LSPMJ0043+4616	1800	08:43	00:43:49.0	+46:16:21	600	89	2.0	#222 M dwarfs	2	
0094.COMP	10	09:14	00:43:49.0	+46:16:21	600	89	2.0	0 Calibration	2	
0095.LSPMJ0108+0027	540	09:17	01:08:12.3	+00:27:56	600	90	2.0	#222 M dwarfs	2	
0096.COMP	10	09:26	01:08:12.3	+00:27:56	600	89	2.0	0 Calibration	2	
0097.LSPMJ0112+0154	660	09:28	01:12:47.5	+01:54:40	600	89	2.0	#222 M dwarfs	2	
0098.COMP	10	09:39	01:12:47.5	+01:54:40	600	90	2.0	0 Calibration	2	
0099.LSPMJ0115+2908	1500	09:41	01:15:19.0	+29:08:41	600	90	2.0	#222 M dwarfs	2	
0100.COMP	10	10:06	01:15:19.0	+29:08:41	600	90	2.0	0 Calibration	2	
0101.LSPMJ0119+5450	1800	10:10	01:19:26.3	+54:50:38	600	90	2.0	#222 M dwarfs	2	
0102.COMP	10	10:41	01:19:26.3	+54:50:38	600	90	2.0	0 Calibration	2	
0103.HD19445	30	10:43	03:08:25.6	+26:19:51	600	90	2.0	#56 Spectropho	2	
0104.HD19445	60	10:45	03:08:25.6	+26:19:51	600	90	2.0	#56 Spectropho	2	
0105.COMP	10	10:46	03:08:25.6	+26:19:51	600	90	2.0	0 Calibration	2	
0106-0115.FLAT	12	10:52	03:08:25.6	+26:19:51	600	90	2.0	0 Calibration	2	

UT Date 2015-10-13 Observers M CalkinsColl. Focus 1360 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0116.Tezcatlipoca	900	11:02	07:37:30.1	+32:17:33	300	90	5.0	#223 NEOWISE N	2	(with GG-495 blocking filter)
0117.COMP	5	11:18	07:37:30.1	+32:17:33	300	90	5.0	0 Calibration	2	
0118.RU149B	420	11:20	07:24:17.6	-00:32:58	300	90	5.0	#223 NEOWISE N	2	
0119.COMP	5	11:28	07:24:17.6	-00:32:58	300	87	5.0	0 Calibration	2	
0120.2002QE15	1500	11:31	07:18:46.4	+27:20:27	300	87	5.0	#223 NEOWISE N	2	row=93
0121.COMP	5	11:56	07:18:46.4	+27:20:27	300	87	5.0	0 Calibration	2	
0122.Hiltner600	60	11:58	06:45:13.4	+02:08:15	300	87	5.0	#56 Spectropho	2	
0123.COMP	5	12:00	06:45:13.4	+02:08:15	300	84	5.0	0 Calibration	2	
0124-0133.FLAT	5	12:04	06:45:13.4	+02:08:15	300	84	5.0	0 Calibration	2	
0134-0143.BIAS	0	12:35	08:05:19.5	+22:57:50	300	85	3.0	0 Calibration	2	
0144-0152.DARK	900	14:41	08:05:19.5	+22:57:50	300	85	3.0	0 Calibration	2	

UT Date 2015-10-14 Observers WBrownColl. Focus 1360 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	19:03	12:30:49.1	+31:35:42	600	90	1.5	0 Calibration	4	x14
0002-0014.BIAS	0	19:06	12:30:49.1	+31:35:42	600	90	1.5	0 Calibration	4	
0015.FLAT	12	19:06	12:30:49.1	+31:35:42	600	90	1.5	0 Calibration	4	x10
0016-0024.FLAT	12	19:10	12:30:49.1	+31:35:42	600	90	1.5	0 Calibration	4	
0025.BIAS	0	19:12	12:30:49.1	+31:35:42	600	90	1.5	0 Calibration	2	x15
0026-0039.BIAS	0	19:15	12:30:49.1	+31:35:42	600	90	1.5	0 Calibration	2	
0040.FLAT	24	19:16	12:30:49.1	+31:35:42	600	90	1.5	0 Calibration	2	x10
0041-0049.FLAT	24	19:22	12:30:49.1	+31:35:42	600	90	1.5	0 Calibration	2	
0050.DARK	900	19:24	12:30:49.1	+31:35:42	600	90	1.5	0 Calibration	4	x5
0051-0054.DARK	900	20:25	12:30:49.1	+31:35:42	600	90	1.5	0 Calibration	4	
0055.DARK	900	20:41	12:30:49.1	+31:35:42	600	90	1.5	0 Calibration	2	x5
0056-0059.DARK	900	21:42	12:30:49.1	+31:35:42	600	90	1.5	0 Calibration	2	
0060.BDp284211	180	01:47	21:51:11.0	+28:51:50	600	90	1.5	#56 Spectropho	4	photometric
0061.COMP	10	01:51	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0062.lamost175	510	01:56	19:47:31.3	+38:51:01	600	90	1.5	#178 Low Mass	4	
0063.COMP	10	02:04	19:47:31.3	+38:51:01	600	90	1.5	0 Calibration	4	
0064.lmwd079	780	02:06	19:13:11.6	+37:26:32	600	90	1.5	#178 Low Mass	4	
0065.COMP	10	02:19	19:13:11.6	+37:26:32	600	90	1.5	0 Calibration	4	
0066.dr1707	1500	02:22	17:07:16.5	+27:54:10	600	90	1.5	#178 Low Mass	4	
0067.COMP	10	02:47	17:07:16.5	+27:54:10	600	90	1.5	0 Calibration	4	

UT Date 2015-10-14 Observers WBrownColl. Focus 1360 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.lamost175	480	02:49	19:47:31.3	+38:51:01	600	90	1.5	#178 Low Mass	4	
0069.COMP	10	02:57	19:47:31.3	+38:51:01	600	89	1.5	0 Calibration	4	
0070.lmwd079	780	02:58	19:13:11.6	+37:26:32	600	90	1.5	#178 Low Mass	4	
0071.COMP	10	03:12	19:13:11.6	+37:26:32	600	90	1.5	0 Calibration	4	
0072.lmwd469	1200	03:15	20:41:54.3	-17:57:32	600	90	1.5	#178 Low Mass	4	
0073.COMP	10	03:35	20:41:54.3	-17:57:32	600	90	1.5	0 Calibration	4	
0074.lmwd469	1200	03:36	20:41:54.3	-17:57:32	600	90	1.5	#178 Low Mass	4	
0075.COMP	10	03:56	20:41:54.3	-17:57:32	600	90	1.5	0 Calibration	4	
0076.lmwd469	1200	03:57	20:41:54.3	-17:57:32	600	90	1.5	#178 Low Mass	4	
0077.COMP	10	04:17	20:41:54.3	-17:57:32	600	90	1.5	0 Calibration	4	
0078.lmwd469	1200	04:17	20:41:54.3	-17:57:32	600	90	1.5	#178 Low Mass	4	
0079.COMP	10	04:38	20:41:54.3	-17:57:32	600	90	1.5	0 Calibration	4	
0080.lmwd079	780	04:40	19:13:11.6	+37:26:32	600	90	1.5	#178 Low Mass	4	
0081.COMP	10	04:54	19:13:11.6	+37:26:32	600	90	1.5	0 Calibration	4	
0082.lmwd079	780	04:54	19:13:11.6	+37:26:32	600	90	1.5	#178 Low Mass	4	
0083.COMP	10	05:08	19:13:11.6	+37:26:32	600	90	1.5	0 Calibration	4	
0084.lamost175	480	05:09	19:47:31.3	+38:51:01	600	90	1.5	#178 Low Mass	4	
0085.COMP	10	05:17	19:47:31.3	+38:51:01	600	90	1.5	0 Calibration	4	
0086.lamost175	480	05:18	19:47:31.3	+38:51:01	600	89	1.5	#178 Low Mass	4	
0087.COMP	10	05:26	19:47:31.3	+38:51:01	600	89	1.5	0 Calibration	4	

UT Date 2015-10-14 Observers WBrownColl. Focus 1360 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.lamost175	480	05:26	19:47:31.3	+38:51:01	600	90	1.5	#178 Low Mass	4	
0089.COMP	10	05:35	19:47:31.3	+38:51:01	600	90	1.5	0 Calibration	4	
0090.hs2220ab	780	05:39	22:23:01.7	+22:01:25	600	-12	1.5	#178 Low Mass	2	please extract both stars
0091.COMP	10	05:52	22:23:01.7	+22:01:25	600	-12	1.5	0 Calibration	2	
0092.hs2220ab	780	05:53	22:23:01.7	+22:01:25	600	-12	1.5	#178 Low Mass	2	
0093.COMP	10	06:06	22:23:01.7	+22:01:25	600	-12	1.5	0 Calibration	2	
0094.hs2220ab	780	06:07	22:23:01.7	+22:01:25	600	-12	1.5	#178 Low Mass	2	
0095.COMP	10	06:20	22:23:01.7	+22:01:25	600	-12	1.5	0 Calibration	2	
0096.hs2220ab	780	06:21	22:23:01.7	+22:01:25	600	-12	1.5	#178 Low Mass	2	
0097.COMP	10	06:34	22:23:01.7	+22:01:25	600	-12	1.5	0 Calibration	2	
0098.hs2220ab	780	06:34	22:23:01.7	+22:01:25	600	-12	1.5	#178 Low Mass	2	
0099.COMP	10	06:48	22:23:01.7	+22:01:25	600	-12	1.5	0 Calibration	2	
0100.j0035p13	1020	06:52	00:35:08.3	+13:50:45	600	90	1.5	#178 Low Mass	4	
0101.COMP	10	07:09	00:35:08.3	+13:50:45	600	90	1.5	0 Calibration	4	
0102.j0035p13	1020	07:09	00:35:08.3	+13:50:45	600	89	1.5	#178 Low Mass	4	
0103.COMP	10	07:27	00:35:08.3	+13:50:45	600	89	1.5	0 Calibration	4	
0104.j0153	1380	07:31	01:53:04.8	-00:49:07	600	90	1.5	#178 Low Mass	4	
0105.COMP	10	07:55	01:53:04.8	-00:49:07	600	90	1.5	0 Calibration	4	
0106.j0153	1380	07:56	01:53:04.8	-00:49:07	600	90	1.5	#178 Low Mass	4	light cirrus moving in
0107.COMP	10	08:19	01:53:04.8	-00:49:07	600	90	1.5	0 Calibration	4	

UT Date 2015-10-14 Observers WBrownColl. Focus 1360 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0108.j0035p13	1020	08:21	00:35:08.3	+13:50:45	600	90	1.5	#178 Low Mass	4	
0109.COMP	10	08:38	00:35:08.3	+13:50:45	600	90	1.5	0 Calibration	4	
0110.j0035p13	1020	08:39	00:35:08.3	+13:50:45	600	90	1.5	#178 Low Mass	4	
0111.COMP	10	08:56	00:35:08.3	+13:50:45	600	90	1.5	0 Calibration	4	
0112.j0153	1380	09:00	01:53:04.8	-00:49:07	600	90	1.5	#178 Low Mass	4	
0113.COMP	10	09:23	01:53:04.8	-00:49:07	600	90	1.5	0 Calibration	4	
0114.j0153	1380	09:24	01:53:04.8	-00:49:07	600	90	1.5	#178 Low Mass	4	
0115.COMP	10	09:47	01:53:04.8	-00:49:07	600	90	1.5	0 Calibration	4	
0116.lmwd035	1380	09:50	07:46:15.8	+39:22:03	600	71	1.5	#178 Low Mass	4	heavier clouds
0117.COMP	10	10:13	07:46:15.8	+39:22:03	600	71	1.5	0 Calibration	4	
0118.lmwd035	1500	10:14	07:46:15.8	+39:22:03	600	70	1.5	#178 Low Mass	4	
0119.COMP	10	10:40	07:46:15.8	+39:22:03	600	71	1.5	0 Calibration	4	
0120.j0800p05	720	11:03	08:00:17.5	+05:50:30	600	90	1.5	#178 Low Mass	4	
0121.COMP	10	11:15	08:00:17.5	+05:50:30	600	90	1.5	0 Calibration	4	
0122.j0800p05	720	11:16	08:00:17.5	+05:50:30	600	90	1.5	#178 Low Mass	4	
0123.COMP	10	11:28	08:00:17.5	+05:50:30	600	90	1.5	0 Calibration	4	
0124.j0800p05	720	11:28	08:00:17.5	+05:50:30	600	90	1.5	#178 Low Mass	4	
0125.COMP	10	11:41	08:00:17.5	+05:50:30	600	90	1.5	0 Calibration	4	
0126.j0800p05	720	11:41	08:00:17.5	+05:50:30	600	90	1.5	#178 Low Mass	4	
0127.COMP	10	11:54	08:00:17.5	+05:50:30	600	90	1.5	0 Calibration	4	

UT Date 2015-10-14 Observers WBrownColl. Focus 1360 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>
0128.j0800p05	720	11:54	08:00:17.5	+05:50:30	600	90	1.5	#178 Low Mass	4	
0129.COMP	10	12:07	08:00:17.5	+05:50:30	600	90	1.5	0 Calibration	4	
0130.j0800p05	720	12:07	08:00:17.5	+05:50:30	600	90	1.5	#178 Low Mass	4	
0131.COMP	10	12:20	08:00:17.5	+05:50:30	600	90	1.5	0 Calibration	4	
0132.j0800p05	720	12:20	08:00:17.5	+05:50:30	600	90	1.5	#178 Low Mass	4	
0133.COMP	10	12:32	08:00:17.5	+05:50:30	600	90	1.5	0 Calibration	4	

UT Date 2015-10-15 Observers WBrownColl. Focus 1385 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	00:00	18:08:45.1	+31:29:58	300	90	3.0	0 Calibration	2	TEST - Saturated
0002.BIAS	0	00:05	18:08:45.1	+31:29:58	300	90	3.0	0 Calibration	2	TEST - Junk
0003.COMP	5	00:06	18:08:45.1	+31:29:58	300	90	3.0	0 Calibration	2	TEST
0004.fastfoc	5	00:14	18:20:31.0	+31:29:42	300	89	3.0	#56 Spectropho	4	x9 foc=1350 at 65 F
0005.fastfoc	5	00:15	18:20:31.0	+31:29:42	300	89	3.0	#56 Spectropho	4	
0006.fastfoc	5	00:15	18:20:31.0	+31:29:42	300	89	3.0	#56 Spectropho	4	
0007.fastfoc	5	00:15	18:20:31.0	+31:29:42	300	89	3.0	#56 Spectropho	4	
0008.fastfoc	5	00:16	18:20:31.0	+31:29:42	300	89	3.0	#56 Spectropho	4	
0009.fastfoc	5	00:16	18:20:31.0	+31:29:42	300	89	3.0	#56 Spectropho	4	
0010.fastfoc	5	00:16	18:20:31.0	+31:29:42	300	89	3.0	#56 Spectropho	4	
0011.fastfoc	5	00:17	18:20:31.0	+31:29:42	300	89	3.0	#56 Spectropho	4	
0012.fastfoc	5	00:17	18:20:31.0	+31:29:42	300	89	3.0	#56 Spectropho	4	
0013.BIAS	0	00:36	18:20:31.0	+31:29:42	300	89	3.0	0 Calibration	2	x10
0014-0022.BIAS	0	00:37	18:20:31.0	+31:29:42	300	89	3.0	0 Calibration	2	
0023.FLAT	7	00:39	18:20:31.0	+31:29:42	300	89	3.0	0 Calibration	2	x15
0024-0037.FLAT	7	00:44	18:20:31.0	+31:29:42	300	89	3.0	0 Calibration	2	
0038.RSOph	10	01:44	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0039.RSOph	60	01:45	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0040.RSOph	150	01:46	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0041.COMP	5	01:49	17:50:13.0	-06:42:30	300	90	3.0	0 Calibration	2	



UT Date 2015-10-15 Observers WBrownColl. Focus 1385 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0042.Hen1591	120	01:53	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	obj at y=83 pix
0043.Hen1591	300	01:55	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0044.COMP	5	02:00	18:07:32.0	-25:53:43	300	90	3.0	0 Calibration	2	
0045.AS281	60	02:04	18:10:44.0	-27:57:51	300	90	3.0	#12 Symbiotic	2	
0046.AS281	360	02:05	18:10:44.0	-27:57:51	300	90	3.0	#12 Symbiotic	2	
0047.COMP	5	02:12	18:10:44.0	-27:57:51	300	90	3.0	0 Calibration	2	
0048.AS270	60	02:13	18:05:33.7	-20:20:38	300	90	3.0	#12 Symbiotic	2	
0049.AS270	300	02:14	18:05:33.7	-20:20:38	300	90	3.0	#12 Symbiotic	2	
0050.COMP	5	02:20	18:05:33.7	-20:20:38	300	90	3.0	0 Calibration	2	
0051.Hen1674	600	02:22	18:20:19.1	-26:22:46	300	89	3.0	#12 Symbiotic	2	
0052.Hen1674	120	02:32	18:20:19.1	-26:22:46	300	89	3.0	#12 Symbiotic	2	
0053.COMP	5	02:34	18:20:19.1	-26:22:46	300	89	3.0	0 Calibration	2	
0054.AS289	420	02:39	18:12:22.0	-11:40:08	300	89	3.0	#12 Symbiotic	2	
0055.AS289	15	02:47	18:12:22.0	-11:40:08	300	89	3.0	#12 Symbiotic	2	
0056.COMP	5	02:47	18:12:22.0	-11:40:08	300	89	3.0	0 Calibration	2	
0057.snASASSN-15oi	1320	02:51	20:39:09.1	-30:45:21	300	89	3.0	#220 ASASSN Tr	2	cut off due to heavy clouds
0058.COMP	10	03:13	20:39:09.1	-30:45:21	300	89	3.0	0 Calibration	2	
0059.AS316	299	03:15	18:42:33.0	-21:17:47	300	89	3.0	#12 Symbiotic	2	heavy clouds
0060.COMP	5	03:21	18:42:33.0	-21:17:47	300	89	3.0	0 Calibration	2	
0061.AS296	241	03:27	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	heavy clouds

UT Date 2015-10-15 Observers WBrownColl. Focus 1385 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0062.COMP	5	03:32	18:15:07.0	-00:18:52	300	89	3.0	0 Calibration	2	
0063.YYHer	209	03:33	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	heavy clouds, closing
0064.COMP	5	03:37	18:14:34.0	+20:59:19	300	89	3.0	0 Calibration	2	
0065-0066.DARK	900	03:56	18:22:07.0	+23:27:20	300	89	3.0	0 Calibration	2	
0067.BFCyg	30	04:31	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	observing through clouds
0068.BFCyg	15	04:31	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0069.COMP	5	04:32	19:23:53.0	+29:40:27	300	89	3.0	0 Calibration	2	
0070.CHCyg	30	04:33	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0071.CHCyg	5	04:34	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0072.CHCyg	1	04:34	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0073.COMP	5	04:35	19:24:33.0	+50:14:30	300	89	3.0	0 Calibration	2	
0074.CICyg	300	04:38	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	
0075.CICyg	30	04:43	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	
0076.COMP	5	04:44	19:50:12.0	+35:41:02	300	89	3.0	0 Calibration	2	
0077.V1016Cyg	420	04:45	19:57:05.0	+39:49:37	300	89	3.0	#12 Symbiotic	2	
0078.V1016Cyg	30	04:53	19:57:05.0	+39:49:37	300	89	3.0	#12 Symbiotic	2	
0079.V1016Cyg	3	04:54	19:57:05.0	+39:49:37	300	89	3.0	#12 Symbiotic	2	
0080.COMP	5	04:54	19:57:05.0	+39:49:37	300	89	3.0	0 Calibration	2	
0081.RAqr	10	04:59	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0082.RAqr	5	04:59	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	

UT Date 2015-10-15 Observers WBrownColl. Focus 1385 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.RAqr	1	05:00	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0084.COMP	5	05:00	23:43:49.0	-15:17:05	300	89	3.0	0 Calibration	2	
0085.AGPeg	30	05:02	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0086.AGPeg	10	05:02	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0087.AGPeg	1	05:03	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0088.COMP	5	05:03	21:51:02.0	+12:37:33	300	89	3.0	0 Calibration	2	
0089.AS360	360	05:04	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0090.COMP	5	05:12	19:45:49.0	+18:36:49	300	89	3.0	0 Calibration	2	
0091.PUVul	180	05:14	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0092.PUVul	30	05:17	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0093.PUVul	3	05:18	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0094.COMP	5	05:18	20:21:13.0	+21:34:21	300	89	3.0	0 Calibration	2	
0095.HMSge	300	05:20	19:41:57.0	+16:44:41	300	89	3.0	#12 Symbiotic	2	
0096.HMSge	30	05:25	19:41:57.0	+16:44:41	300	89	3.0	#12 Symbiotic	2	
0097.HMSge	3	05:26	19:41:57.0	+16:44:41	300	89	3.0	#12 Symbiotic	2	
0098.COMP	5	05:26	19:41:57.0	+16:44:41	300	89	3.0	0 Calibration	2	
0099.V1515Cyg	600	05:28	20:23:48.0	+42:12:24	300	88	3.0	#12 Symbiotic	2	
0100.V1515Cyg	60	05:38	20:23:48.0	+42:12:24	300	88	3.0	#12 Symbiotic	2	
0101.COMP	5	05:39	20:23:48.0	+42:12:24	300	88	3.0	0 Calibration	2	
0102.V1329Cyg	180	05:40	20:51:01.0	+35:34:55	300	88	3.0	#12 Symbiotic	2	

UT Date 2015-10-15 Observers WBrownColl. Focus 1385 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0103.V1329Cyg	30	05:44	20:51:01.0	+35:34:55	300	88	3.0	#12 Symbiotic	2	
0104.COMP	5	05:44	20:51:01.0	+35:34:55	300	88	3.0	0 Calibration	2	
0105.V1057Cyg	480	05:46	20:58:54.0	+44:15:30	300	88	3.0	#12 Symbiotic	2	
0106.V1057Cyg	60	05:54	20:58:54.0	+44:15:30	300	88	3.0	#12 Symbiotic	2	
0107.COMP	5	05:56	20:58:54.0	+44:15:30	300	88	3.0	0 Calibration	2	
0108.ZAnd	60	05:57	23:33:40.0	+48:49:06	300	88	3.0	#12 Symbiotic	2	
0109.ZAnd	10	05:58	23:33:40.0	+48:49:06	300	88	3.0	#12 Symbiotic	2	
0110.ZAnd	1	05:59	23:33:40.0	+48:49:06	300	88	3.0	#12 Symbiotic	2	
0111.COMP	5	05:59	23:33:40.0	+48:49:06	300	88	3.0	0 Calibration	2	
0112.EGAnd	10	06:01	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0113.EGAnd	5	06:01	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0114.EGAnd	1	06:01	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0115.COMP	5	06:02	00:44:37.0	+40:40:47	300	88	3.0	0 Calibration	2	
0116.AXPer	180	06:03	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0117.AXPer	45	06:07	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0118.AXPer	5	06:08	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0119.COMP	5	06:08	01:36:23.0	+54:15:03	300	88	3.0	0 Calibration	2	
0120.HD19445	12	06:10	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	caution: non-photometric
0121.COMP	5	06:11	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0122.BDp284211	240	06:13	21:51:11.0	+28:51:50	300	88	3.0	#56 Spectropho	2	

UT Date 2015-10-15 Observers WBrownColl. Focus 1385 Grating/Grism 600

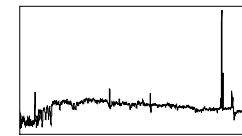
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0123.COMP	5	06:17	21:51:11.0	+28:51:50	300	88	3.0	0 Calibration	2	
0124.AWI0006245	600	06:19	22:44:01.3	+15:06:18	300	88	3.0	#219 Disk Dete	2	saturated in part
0125.AWI0006245	240	06:30	22:44:01.3	+15:06:18	300	88	3.0	#219 Disk Dete	2	
0126.COMP	10	06:35	22:44:01.3	+15:06:18	300	88	3.0	0 Calibration	2	
0127.AWI00023ag	480	06:38	22:38:24.5	+62:09:27	300	88	3.0	#219 Disk Dete	2	
0128.COMP	10	06:47	22:38:24.5	+62:09:27	300	88	3.0	0 Calibration	2	
0129.AWI00023dh	1500	06:48	22:50:13.8	+62:56:14	300	89	3.0	#219 Disk Dete	2	
0130.COMP	10	07:14	22:50:13.8	+62:56:14	300	89	3.0	0 Calibration	2	
0131.AWI0002ooy	300	07:16	22:45:15.5	+65:33:48	300	89	3.0	#219 Disk Dete	2	
0132.COMP	10	07:22	22:45:15.5	+65:33:48	300	89	3.0	0 Calibration	2	
0133.AWI0002v3v	240	07:24	22:46:00.0	+59:01:34	300	89	3.0	#219 Disk Dete	2	
0134.COMP	10	07:28	22:46:00.0	+59:01:34	300	89	3.0	0 Calibration	2	
0135.AWI00023dh	720	07:30	22:50:13.8	+62:56:14	300	89	3.0	#219 Disk Dete	2	getting more counts for this obj
0136.COMP	10	07:42	22:50:13.8	+62:56:14	300	89	3.0	0 Calibration	2	
0137.AWI0004na8	60	07:44	23:29:47.8	+56:48:12	300	89	3.0	#219 Disk Dete	2	
0138.COMP	10	07:45	23:29:47.8	+56:48:12	300	89	3.0	0 Calibration	2	
0139.AWI0005w4t	300	07:46	23:42:35.0	+53:31:19	300	89	3.0	#219 Disk Dete	2	
0140.AWI0005w4t	300	07:52	23:42:35.0	+53:31:19	300	89	3.0	#219 Disk Dete	2	getting more counts
0141.COMP	10	07:57	23:42:35.0	+53:31:19	300	89	3.0	0 Calibration	2	
0142.AWI0005zf1	30	07:59	23:41:00.5	+35:58:19	300	89	3.0	#219 Disk Dete	2	

UT Date 2015-10-15 Observers WBrownColl. Focus 1385 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0143.COMP	10	08:00	23:41:00.5	+35:58:19	300	89	3.0	0 Calibration	2	
0144.HD19445	20	08:05	03:08:25.6	+26:19:51	600	89	2.0	#56 Spectropho	2	
0145.COMP	10	08:06	03:08:25.6	+26:19:51	600	89	2.0	0 Calibration	2	
0146.LSPMJ2350+3829	480	08:08	23:50:54.0	+38:29:33	600	90	2.0	#222 M dwarfs	2	clouds back
0147.COMP	10	08:17	23:50:54.0	+38:29:33	600	90	2.0	0 Calibration	2	
0148.LSPMJ2350+3829	900	08:42	23:50:54.0	+38:29:33	600	89	2.0	#222 M dwarfs	2	getting more counts
0149.COMP	10	08:59	23:50:54.0	+38:29:33	600	89	2.0	0 Calibration	2	
0150.LSPMJ2350+3829	720	09:00	23:50:54.0	+38:29:33	600	89	2.0	#222 M dwarfs	2	getting more counts
0151.COMP	10	09:12	23:50:54.0	+38:29:33	600	89	2.0	0 Calibration	2	
0152.LSPMJ0137+3823	1500	09:15	01:37:48.5	+38:23:32	600	89	2.0	#222 M dwarfs	2	
0153.COMP	10	09:40	01:37:48.5	+38:23:32	600	90	2.0	0 Calibration	2	
0154.LSPMJ0211+3221	1800	09:43	02:11:59.8	+32:21:47	600	85	2.0	#222 M dwarfs	2	
0155.COMP	10	10:13	02:11:59.8	+32:21:47	600	85	2.0	0 Calibration	2	
0156.LSPMJ0225+3732	720	10:15	02:25:38.4	+37:32:34	600	89	2.0	#222 M dwarfs	2	
0157.COMP	10	10:28	02:25:38.4	+37:32:34	600	90	2.0	0 Calibration	2	
0158.LSPMJ0300+6251	1800	10:30	03:00:02.7	+62:51:59	600	89	2.0	#222 M dwarfs	2	
0159.COMP	10	11:00	03:00:02.7	+62:51:59	600	89	2.0	0 Calibration	2	
0160.LSPMJ0412+3529	1800	11:02	04:12:34.9	+35:29:59	600	90	2.0	#222 M dwarfs	2	
0161.COMP	10	11:32	04:12:34.9	+35:29:59	600	90	2.0	0 Calibration	2	
0162.LSPMJ0442+2012	1800	11:34	04:42:26.6	+20:12:31	600	89	2.0	#222 M dwarfs	2	

UT Date 2015-10-15 Observers WBrownColl. Focus 1385 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>
0163.COMP	10	12:05	04:42:26.6	+20:12:31	600	89	2.0	0 Calibration	2	
0164.LSPMJ0532+5159	960	12:06	05:32:16.8	+51:59:40	600	89	2.0	#222 M dwarfs	2	
0165.COMP	10	12:23	05:32:16.8	+51:59:40	600	89	2.0	0 Calibration	2	
0166.FLAT	18	12:25	05:32:16.8	+51:59:40	600	89	2.0	0 Calibration	2x10	
0167-0175.FLAT	18	12:29	05:32:16.8	+51:59:40	600	89	2.0	0 Calibration	2	
0176.BIAS	0	12:30	05:32:16.8	+51:59:40	600	89	2.0	0 Calibration	2x10	
0177-0185.BIAS	0	12:32	05:32:16.8	+51:59:40	600	89	2.0	0 Calibration	2	
0186-0193.DARK	900	14:39	05:32:16.8	+51:59:40	600	89	2.0	0 Calibration	2	

UT Date 2015-10-16 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	01:38	19:47:31.3	+38:51:01	600	89	1.5	0 Calibration	4	
0011.FLAT	12	01:38	19:47:31.3	+38:51:01	600	89	1.5	0 Calibration	4	600-line, 1,5-sec, blue
0012-0025.FLAT	12	01:43	19:47:31.3	+38:51:01	600	89	1.5	0 Calibration	4	
0026.BDp284211	180	01:48	21:51:11.0	+28:51:50	600	89	1.5	#56 Spectropho	4	
0027.COMP	10	01:51	21:51:11.0	+28:51:50	600	89	1.5	0 Calibration	4	
0028.lmwd079	780	01:55	19:13:11.6	+37:26:32	600	89	1.5	#178 Low Mass	4	
0029.COMP	10	02:09	19:13:11.6	+37:26:32	600	89	1.5	0 Calibration	4	
0030.lmwd079	780	02:09	19:13:11.6	+37:26:32	600	89	1.5	#178 Low Mass	4	
0031.COMP	10	02:23	19:13:11.6	+37:26:32	600	89	1.5	0 Calibration	4	
0032.lmwd079	780	02:24	19:13:11.6	+37:26:32	600	89	1.5	#178 Low Mass	4	
0033.COMP	10	02:37	19:13:11.6	+37:26:32	600	89	1.5	0 Calibration	4	
0034.lmwd079	780	02:38	19:13:11.6	+37:26:32	600	89	1.5	#178 Low Mass	4	
0035.COMP	10	02:51	19:13:11.6	+37:26:32	600	89	1.5	0 Calibration	4	
0036.lmwd079	780	02:52	19:13:11.6	+37:26:32	600	89	1.5	#178 Low Mass	4	
0037.COMP	10	03:05	19:13:11.6	+37:26:32	600	90	1.5	0 Calibration	4	
0038.lamost175	480	03:08	19:47:31.3	+38:51:01	600	90	1.5	#178 Low Mass	4	
0039.COMP	10	03:16	19:47:31.3	+38:51:01	600	90	1.5	0 Calibration	4	
0040.lamost175	480	03:17	19:47:31.3	+38:51:01	600	90	1.5	#178 Low Mass	4	
0041.COMP	10	03:25	19:47:31.3	+38:51:01	600	90	1.5	0 Calibration	4	
0042.lamost175	480	03:26	19:47:31.3	+38:51:01	600	90	1.5	#178 Low Mass	4	



UT Date 2015-10-16 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0043.COMP	10	03:35	19:47:31.3	+38:51:01	600	90	1.5	0 Calibration	4	
0044.lamost175	480	03:35	19:47:31.3	+38:51:01	600	90	1.5	#178 Low Mass	4	
0045.COMP	10	03:44	19:47:31.3	+38:51:01	600	90	1.5	0 Calibration	4	
0046.lamost175	480	03:45	19:47:31.3	+38:51:01	600	90	1.5	#178 Low Mass	4	
0047.COMP	10	03:53	19:47:31.3	+38:51:01	600	90	1.5	0 Calibration	4	
0048.hs2220ab	780	03:56	22:23:01.7	+22:01:25	600	-11	1.5	#178 Low Mass	2	
0049.COMP	10	04:10	22:23:01.7	+22:01:25	600	-11	1.5	0 Calibration	2	
0050.hs2220ab	780	04:10	22:23:01.7	+22:01:25	600	-11	1.5	#178 Low Mass	2	
0051.COMP	10	04:24	22:23:01.7	+22:01:25	600	-11	1.5	0 Calibration	2	
0052.hs2220ab	780	04:25	22:23:01.7	+22:01:25	600	-11	1.5	#178 Low Mass	2	
0053.COMP	10	04:39	22:23:01.7	+22:01:25	600	-11	1.5	0 Calibration	2	
0054.hs2220ab	780	04:40	22:23:01.7	+22:01:25	600	-11	1.5	#178 Low Mass	2	
0055.COMP	10	04:53	22:23:01.7	+22:01:25	600	-11	1.5	0 Calibration	2	
0056.hs2220ab	780	04:54	22:23:01.7	+22:01:25	600	-11	1.5	#178 Low Mass	2	
0057.COMP	10	05:07	22:23:01.7	+22:01:25	600	-11	1.5	0 Calibration	2	
0058.j0035p13	1020	05:11	00:35:08.3	+13:50:45	600	90	1.5	#178 Low Mass	4	
0059.COMP	10	05:29	00:35:08.3	+13:50:45	600	90	1.5	0 Calibration	4	
0060.j0035p13	1020	05:30	00:35:08.3	+13:50:45	600	90	1.5	#178 Low Mass	4	
0061.COMP	10	05:48	00:35:08.3	+13:50:45	600	90	1.5	0 Calibration	4	
0062.j0035p13	1020	05:49	00:35:08.3	+13:50:45	600	90	1.5	#178 Low Mass	4	

UT Date 2015-10-16 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0063.COMP	10	06:06	00:35:08.3	+13:50:45	600	90	1.5	0 Calibration	4	
0064.j0035p13	1020	06:07	00:35:08.3	+13:50:45	600	90	1.5	#178 Low Mass	4	
0065.COMP	10	06:24	00:35:08.3	+13:50:45	600	89	1.5	0 Calibration	4	
0066.j0153	1380	06:27	01:53:04.8	-00:49:07	600	89	1.5	#178 Low Mass	4	
0067.COMP	5	06:51	01:53:04.8	-00:49:07	600	89	1.5	0 Calibration	4	
0068.j0153	1380	06:52	01:53:04.8	-00:49:07	600	90	1.5	#178 Low Mass	4	
0069.COMP	10	07:15	01:53:04.8	-00:49:07	600	90	1.5	0 Calibration	4	
0070.j0153	1380	07:16	01:53:04.8	-00:49:07	600	90	1.5	#178 Low Mass	4	
0071.COMP	10	07:39	01:53:04.8	-00:49:07	600	90	1.5	0 Calibration	4	
0072.j0153	1380	07:40	01:53:04.8	-00:49:07	600	90	1.5	#178 Low Mass	4	
0073.COMP	10	08:03	01:53:04.8	-00:49:07	600	90	1.5	0 Calibration	4	
0074.j0153	1380	08:05	01:53:04.8	-00:49:07	600	90	1.5	#178 Low Mass	4	
0075.COMP	10	08:28	01:53:04.8	-00:49:07	600	90	1.5	0 Calibration	4	
0076.lamost029	480	08:32	02:17:18.3	+58:22:39	600	90	1.5	#178 Low Mass	4	
0077.COMP	10	08:40	02:17:18.3	+58:22:39	600	90	1.5	0 Calibration	4	
0078.lamost029	480	08:41	02:17:18.3	+58:22:39	600	90	1.5	#178 Low Mass	4	
0079.COMP	10	08:49	02:17:18.3	+58:22:39	600	90	1.5	0 Calibration	4	
0080.lamost029	480	08:50	02:17:18.3	+58:22:39	600	90	1.5	#178 Low Mass	4	
0081.COMP	10	08:58	02:17:18.3	+58:22:39	600	90	1.5	0 Calibration	4	
0082.lamost029	480	08:59	02:17:18.3	+58:22:39	600	90	1.5	#178 Low Mass	4	

UT Date 2015-10-16 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.COMP	10	09:08	02:17:18.3	+58:22:39	600	90	1.5	0 Calibration	4	
0084.lamost029	480	09:09	02:17:18.3	+58:22:39	600	90	1.5	#178 Low Mass	4	
0085.COMP	10	09:17	02:17:18.3	+58:22:39	600	89	1.5	0 Calibration	4	
0086.lmwd035	1380	09:21	07:46:15.8	+39:22:03	600	89	1.5	#178 Low Mass	4	
0087.COMP	10	09:44	07:46:15.8	+39:22:03	600	89	1.5	0 Calibration	4	
0088.lmwd035	1380	09:45	07:46:15.8	+39:22:03	600	89	1.5	#178 Low Mass	4	
0089.COMP	10	10:08	07:46:15.8	+39:22:03	600	89	1.5	0 Calibration	4	
0090.lmwd035	1380	10:09	07:46:15.8	+39:22:03	600	89	1.5	#178 Low Mass	4	
0091.COMP	10	10:32	07:46:15.8	+39:22:03	600	89	1.5	0 Calibration	4	
0092.lmwd035	1380	10:33	07:46:15.8	+39:22:03	600	89	1.5	#178 Low Mass	4	
0093.COMP	10	10:57	07:46:15.8	+39:22:03	600	90	1.5	0 Calibration	4	
0096-0105.FLAT	22	11:51	07:58:04.6	+47:54:06	600	89	1.5	0 Calibration	2	
0106.test	10	11:55	06:03:31.0	+27:41:50	300	89	3.0	#12 Symbiotic	2	300-line, 3-sec
0107.test	10	11:56	06:03:31.0	+27:41:50	300	89	3.0	#12 Symbiotic	2	
0108.BGGem	300	11:57	06:03:31.0	+27:41:50	300	89	3.0	#12 Symbiotic	2	worried about shape of continuum
0109.BGGem	300	12:03	06:03:31.0	+27:41:50	300	88	3.0	#12 Symbiotic	2	
0110.COMP	10	12:09	06:03:31.0	+27:41:50	300	89	3.0	0 Calibration	2	
0111.AWI0002vdg	300	12:10	04:20:51.8	+48:24:50	300	89	3.0	#219 Disk Dete	2	
0112.COMP	10	12:16	04:20:51.8	+48:24:50	300	89	3.0	0 Calibration	2	
0113.AWI0005wcp	45	12:18	04:59:12.8	+16:55:44	300	89	3.0	#219 Disk Dete	2	

UT Date 2015-10-16 Observers P BerlindColl. 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>
0114.COMP	10	12:19	04:59:12.8	+16:55:44	300	89	3.0	0 Calibration	2	
0115.Hiltner600	120	12:20	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	taken with different telescope focus to see if that changes
0116.Hiltner600	120	12:23	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	shape of continuum. It does.
0117.Hiltner600	120	12:26	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	slit effects
0118.COMP	10	12:28	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0119-0128.BIAS	0	12:44	04:59:12.8	+16:55:44	300	89	3.0	0 Calibration	2	
0129-0143.FLAT	7	12:50	04:59:12.8	+16:55:44	300	89	3.0	0 Calibration	2	
0144-0148.DARK	900	13:52	04:59:12.8	+16:55:44	300	89	3.0	0 Calibration	2	
0149-0151.DARK	900	14:38	04:59:12.8	+16:55:44	300	89	3.0	0 Calibration	4	

UT Date 2015-10-18 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	20:34	04:59:12.8	+16:55:44	300	89	3.0	0 Calibration	4	
0011-0015.DARK	900	21:37	04:59:12.8	+16:55:44	300	89	3.0	0 Calibration	2	
0016-0020.DARK	900	22:53	04:59:12.8	+16:55:44	300	89	3.0	0 Calibration	4	
0021-0030.BIAS	0	00:34	04:59:12.8	+16:55:44	300	89	3.0	0 Calibration	2	
0031-0043.FLAT	7	00:39	04:59:12.8	+16:55:44	300	89	3.0	0 Calibration	2	
0044.FLAT	7	00:40	04:59:12.8	+16:55:44	300	89	3.0	0 Calibration	2	massive thunderstorms
0045.FLAT	7	00:40	04:59:12.8	+16:55:44	300	89	3.0	0 Calibration	2	
0046.AWI00019rp	600	09:09	00:30:39.4	+65:28:10	300	89	3.0	#219 Disk Dete	2	
0047.COMP	10	09:20	00:30:39.4	+65:28:10	300	89	3.0	0 Calibration	2	
0048.AWI0003cr7	900	09:22	00:56:19.4	+61:16:51	300	89	3.0	#219 Disk Dete	2	
0049.COMP	10	09:37	00:56:19.4	+61:16:51	300	89	3.0	0 Calibration	2	
0050.AWI0005ms6	900	09:38	00:44:01.9	+55:46:14	300	89	3.0	#219 Disk Dete	2	
0051.COMP	10	09:54	00:44:01.9	+55:46:14	300	89	3.0	0 Calibration	2	
0052.AWI0005zf9	600	09:56	00:31:42.4	+37:41:36	300	89	3.0	#219 Disk Dete	2	
0053.COMP	10	10:06	00:31:42.4	+37:41:36	300	89	3.0	0 Calibration	2	
0054.AWI0005yix	900	10:07	01:03:36.7	+39:56:14	300	89	3.0	#219 Disk Dete	2	
0055.COMP	10	10:23	01:03:36.7	+39:56:14	300	90	3.0	0 Calibration	2	
0056.AWI00062aa	30	10:25	01:41:13.0	+16:30:52	300	90	3.0	#219 Disk Dete	2	
0057.COMP	10	10:25	01:41:13.0	+16:30:52	300	90	3.0	0 Calibration	2	
0058.AWI00062hj	30	10:27	01:48:35.3	+10:12:53	300	90	3.0	#219 Disk Dete	2	

UT Date 2015-10-18 Observers P BerlindColl. 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>
0059.COMP	10	10:28	01:48:35.3	+10:12:53	300	90	3.0	0 Calibration	2	
0060.AWI0005wff	30	10:41	05:28:06.9	+03:32:09	300	90	3.0	#219 Disk Dete	2	
0061.COMP	10	10:42	05:28:06.9	+03:32:09	300	90	3.0	0 Calibration	2	
0062.AWI0005wfv	661	11:17	05:29:45.1	+02:15:40	300	86	3.0	#219 Disk Dete	2	
0063.COMP	10	11:28	05:29:45.1	+02:15:40	300	89	3.0	0 Calibration	2	
0065-0074.BIAS	0	11:38	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0075-0089.FLAT	7	11:44	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	