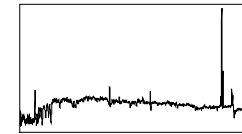


UT Date 2015-03-14 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

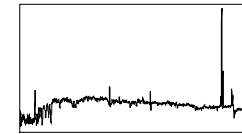
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	19:10	23:10:23.3	+31:25:41	300	88	3.0	0 Calibration	2	
0001.DARK	900	00:33	04:31:30.8	+31:28:45	300	88	3.0	0 Calibration	4	
0002.BIAS	0	19:11	23:10:23.3	+31:25:41	300	88	3.0	0 Calibration	2	
0002.DARK	900	00:48	04:31:30.8	+31:28:45	300	88	3.0	0 Calibration	4	
0003.COMP	5	19:12	23:10:23.3	+31:25:41	300	88	3.0	0 Calibration	2	
0003.DARK	900	01:03	04:31:30.8	+31:28:45	300	88	3.0	0 Calibration	4	
0004.COMP	5	19:19	23:10:23.3	+31:25:41	300	88	3.0	0 Calibration	2	
0004-0005.DARK	900	01:34	04:31:30.8	+31:28:45	300	88	3.0	0 Calibration	4	
0006-0015.BIAS	0	02:07	04:31:30.8	+31:28:45	300	88	3.0	0 Calibration	4	
0016-0035.FLAT	7	02:15	04:31:30.8	+31:28:45	300	88	3.0	0 Calibration	2	
0036-0045.BIAS	0	02:20	04:31:30.8	+31:28:45	300	88	3.0	0 Calibration	2	
0046.HD84937	30	07:55	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0047.HD84937	20	07:58	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0048.COMP	10	07:59	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0049.Feige34	120	08:01	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0050.COMP	10	08:06	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0051.snj08594491	1800	08:09	08:59:34.9	+45:55:34	300	40	3.0	#2 SN Observat	2	
0052.COMP	10	08:40	08:59:34.9	+45:55:34	300	39	3.0	0 Calibration	2	
0053.snASASSN-15de	2400	08:45	11:28:49.6	+29:54:53	300	95	3.0	#220 ASASSN Tr	2	
0054.COMP	10	09:25	11:28:49.6	+29:54:53	300	94	3.0	0 Calibration	2	

UT Date 2015-03-14 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0055.snASASSN-15df	2400	09:29	10:35:29.8	+34:34:26	300	94	3.0	#220 ASASSN Tr	2	
0056.COMP	10	10:10	10:35:29.8	+34:34:26	300	95	3.0	0 Calibration	2	
0057-0066.BIAS	0	12:57	10:35:29.8	+34:34:26	300	95	3.0	0 Calibration	2	
0067-0086.FLAT	7	13:05	10:35:29.8	+34:34:26	300	95	3.0	0 Calibration	2	
0087-0096.BIAS	0	13:15	10:35:29.8	+34:34:26	300	95	3.0	0 Calibration	2	
0097-0106.DARK	900	15:35	10:35:29.8	+34:34:26	300	95	3.0	0 Calibration	2	

UT Date 2015-03-15 Observers P BerlindColl. Focus 1320 Grating/Grism 300

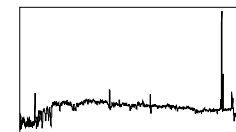
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	02:16	04:00:00.0	+31:40:00	300	94	3.0	0 Calibration	2	
0011-0025.FLAT	7	02:22	04:00:00.0	+31:40:00	300	94	3.0	0 Calibration	2	
0026.COMP	10	02:25	04:00:00.0	+31:40:00	300	94	3.0	0 Calibration	2	
0027.AWI0000nwc	30	02:57	02:28:34.5	+13:52:35	300	94	3.0	#219 Disk Dete	2	
0028.AWI0000nwc	120	02:58	02:28:34.5	+13:52:35	300	94	3.0	#219 Disk Dete	2	
0029.COMP	10	03:00	02:28:34.5	+13:52:35	300	94	3.0	0 Calibration	2	
0030.AWI0005zxn	240	03:02	02:58:06.4	+20:35:27	300	94	3.0	#219 Disk Dete	2	
0031.COMP	5	03:06	02:58:06.4	+20:35:27	300	94	3.0	0 Calibration	2	
0032.AWI0002d5h	1200	03:08	02:56:05.7	+66:41:19	300	94	3.0	#219 Disk Dete	2	
0033.COMP	10	03:29	02:56:05.7	+66:41:19	300	95	3.0	0 Calibration	2	
0034.AWI0002vby	900	03:30	02:59:23.0	+57:42:52	300	95	3.0	#219 Disk Dete	2	
0035.COMP	10	03:45	02:59:23.0	+57:42:52	300	95	3.0	0 Calibration	2	
0036.AWI00023nh	600	03:47	03:37:36.5	+60:55:11	300	95	3.0	#219 Disk Dete	2	
0037.COMP	10	03:57	03:37:36.5	+60:55:11	300	95	3.0	0 Calibration	2	
0038.AWI0002vdg	900	03:59	04:20:51.8	+48:24:50	300	95	3.0	#219 Disk Dete	2	
0039.COMP	10	04:14	04:20:51.8	+48:24:50	300	95	3.0	0 Calibration	2	
0040.AWI00031x2	360	04:16	04:25:05.7	+45:55:50	300	95	3.0	#219 Disk Dete	2	
0041.COMP	5	04:23	04:25:05.7	+45:55:50	300	95	3.0	0 Calibration	2	
0042.AWI00055wb	499	04:25	04:35:48.2	+62:41:57	300	95	3.0	#219 Disk Dete	2	stopped by high wind
0043.COMP	10	04:33	04:35:48.2	+62:41:57	300	95	3.0	0 Calibration	2	now tv gain control does not work, no guide tv

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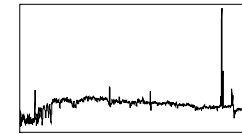
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0044.BIAS	0	08:44	09:48:56.1	+13:44:39	300	91	3.0	0 Calibration	2	can
0045.BIAS	0	08:44	09:48:56.1	+13:44:39	300	91	3.0	0 Calibration	2	same problem as from recent months
0046.BIAS	0	08:44	09:48:56.1	+13:44:39	300	91	3.0	0 Calibration	2	

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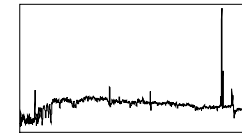
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:59	04:00:00.0	+31:40:00	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	00:04	04:00:00.0	+31:40:00	300	89	3.0	0 Calibration	2	
0026-0029.DARK	1200	01:18	04:00:00.0	+31:40:00	300	89	3.0	0 Calibration	2	
0030.AWI0005w9n	30	02:15	03:52:16.3	+33:24:22	300	90	3.0	#219 Disk Dete	2	fast guide tv has no gain control
0031.AWI0005w9n	90	02:16	03:52:16.3	+33:24:22	300	90	3.0	#219 Disk Dete	2	broken wire again
0032.COMP	10	02:18	03:52:16.3	+33:24:22	300	90	3.0	0 Calibration	2	
0033.AWI0005yly	60	02:19	03:41:12.9	+24:53:34	300	90	3.0	#219 Disk Dete	2	
0034.AWI0005yly	60	02:21	03:41:12.9	+24:53:34	300	90	3.0	#219 Disk Dete	2	
0035.COMP	10	02:22	03:41:12.9	+24:53:34	300	90	3.0	0 Calibration	2	
0036.AWI0005zgd	75	02:23	03:46:55.6	+18:17:02	300	90	3.0	#219 Disk Dete	2	
0037.COMP	10	02:25	03:46:55.6	+18:17:02	300	90	3.0	0 Calibration	2	
0038.AWI0005zgg	240	02:27	03:53:37.9	+15:05:40	300	90	3.0	#219 Disk Dete	2	
0039.COMP	5	02:32	03:53:37.9	+15:05:40	300	90	3.0	0 Calibration	2	
0040.AWI0005yjf	900	02:33	02:06:24.1	+35:38:43	300	90	3.0	#219 Disk Dete	2	
0041.COMP	10	02:49	02:06:24.1	+35:38:43	300	90	3.0	0 Calibration	2	
0042.AWI0005zxs	1200	02:50	03:02:21.0	+17:10:34	300	90	3.0	#219 Disk Dete	2	
0043.COMP	10	03:11	03:02:21.0	+17:10:34	300	90	3.0	0 Calibration	2	
0044.AWI0005zy6	1200	03:12	03:27:59.2	+12:04:50	300	90	3.0	#219 Disk Dete	2	
0045.COMP	10	03:33	03:27:59.2	+12:04:50	300	90	3.0	0 Calibration	2	
0046.AWI0005yk1	900	03:34	03:25:49.8	+31:10:24	300	90	3.0	#219 Disk Dete	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0047.COMP	10	03:52	03:25:49.8	+31:10:24	300	90	3.0	0 Calibration	2	
0048.AWI0002oyt	1200	03:54	03:30:29.6	+55:49:04	300	90	3.0	#219 Disk Dete	2	
0049.COMP	10	04:15	03:30:29.6	+55:49:04	300	91	3.0	0 Calibration	2	
0050.AWI0005zgp	900	04:17	04:21:15.6	+10:07:23	300	91	3.0	#219 Disk Dete	2	
0051.COMP	10	04:32	04:21:15.6	+10:07:23	300	90	3.0	0 Calibration	2	
0052.AWI0005wdo	1200	04:34	05:17:29.2	+07:18:10	300	90	3.0	#219 Disk Dete	2	
0053.COMP	10	04:54	05:17:29.2	+07:18:10	300	90	3.0	0 Calibration	2	
0054.HD84937	40	04:56	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0055.COMP	10	04:57	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0056.snASASSN-15ez	1800	04:59	08:59:40.2	+15:11:12	300	90	3.0	#220 ASASSN Tr	2	
0057.COMP	10	05:30	08:59:40.2	+15:11:12	300	90	3.0	0 Calibration	2	
0058.snj08594491	1800	05:35	08:59:34.9	+45:55:34	300	90	3.0	#2 SN Observat	2	
0059.COMP	10	06:06	08:59:34.9	+45:55:34	300	90	3.0	0 Calibration	2	
0060.Feige34	200	06:07	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0061.COMP	10	06:11	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0062.snASASSN15df	1800	06:14	10:35:29.8	+34:34:26	300	89	3.0	#2 SN Observat	2	
0063.COMP	10	06:45	10:35:29.8	+34:34:26	300	90	3.0	0 Calibration	2	
0064.snj12350637	1800	06:52	12:35:06.4	+31:14:35	300	90	3.0	#2 SN Observat	2	
0065.COMP	10	07:22	12:35:06.4	+31:14:35	300	90	3.0	0 Calibration	2	
0066.snASASSN15de	1800	07:26	11:28:49.6	+29:54:53	300	84	3.0	#2 SN Observat	2	

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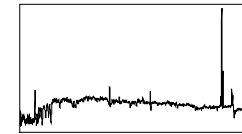
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.COMP	10	07:56	11:28:49.6	+29:54:53	300	82	3.0	0 Calibration	2	
0068.snASASSN14lp	900	07:58	12:45:09.1	-00:27:33	300	82	3.0	#2 SN Observat	2	
0069.COMP	10	08:14	12:45:09.1	-00:27:33	300	82	3.0	0 Calibration	2	
0070.103_WHSS112705	900	08:17	11:27:05.9	+12:46:27	300	82	3.0	#221 Bright Hi	2	
0071.COMP	10	08:33	11:27:05.9	+12:46:27	300	82	3.0	0 Calibration	2	
0072.109_WHSS113813	900	08:37	11:38:13.1	+20:04:53	300	87	3.0	#221 Bright Hi	2	
0073.COMP	10	08:54	11:38:13.1	+20:04:53	300	84	3.0	0 Calibration	2	
0074.110_WHSS113836	1200	08:56	11:38:36.1	+20:43:34	300	84	3.0	#221 Bright Hi	2	
0075.COMP	10	09:17	11:38:36.1	+20:43:34	300	90	3.0	0 Calibration	2	
0076.114_WHSS114533	1500	09:19	11:45:33.9	+14:22:07	300	90	3.0	#221 Bright Hi	2	
0077.COMP	10	09:45	11:45:33.9	+14:22:07	300	90	3.0	0 Calibration	2	
0078.123_WHSS121509	1500	09:48	12:15:09.2	+33:09:55	300	90	3.0	#221 Bright Hi	2	
0079.COMP	10	10:14	12:15:09.2	+33:09:55	300	90	3.0	0 Calibration	2	
0080.snASASSN15dd	1800	10:17	15:43:59.1	+19:12:41	300	90	3.0	#2 SN Observat	2	
0081.COMP	10	10:48	15:43:59.1	+19:12:41	300	90	3.0	0 Calibration	2	
0082.snASASSN15db	1800	10:50	15:46:58.7	+17:53:03	300	90	3.0	#2 SN Observat	2	
0083.COMP	10	11:20	15:46:58.7	+17:53:03	300	90	3.0	0 Calibration	2	
0084.BDp262606	100	11:22	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0085.COMP	10	11:24	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0086.BDp332642	150	11:26	15:51:59.9	+32:56:54	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
0087.COMP	10	11:29	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0088.snASASSN-15ed	1800	11:35	16:48:25.2	+50:59:31	300	90	3.0	#220 ASASSN Tr	2	
0089.COMP	10	12:06	16:48:25.2	+50:59:31	300	87	3.0	0 Calibration	2	
0090.AGDra	30	12:07	16:01:41.0	+66:48:10	300	87	3.0	#12 Symbiotic	2	
0091.AGDra	45	12:08	16:01:41.0	+66:48:10	300	87	3.0	#12 Symbiotic	2	
0092.AGDra	10	12:10	16:01:41.0	+66:48:10	300	87	3.0	#12 Symbiotic	2	
0093.COMP	10	12:10	16:01:41.0	+66:48:10	300	87	3.0	0 Calibration	2	
0094.TCrB	60	12:12	15:59:30.0	+25:55:12	300	87	3.0	#12 Symbiotic	2	
0095.TCrB	20	12:14	15:59:30.0	+25:55:12	300	87	3.0	#12 Symbiotic	2	
0096.COMP	10	12:15	15:59:30.0	+25:55:12	300	87	3.0	0 Calibration	2	
0097.RSOph	120	12:17	17:50:13.0	-06:42:30	300	87	3.0	#12 Symbiotic	2	
0098.RSOph	40	12:19	17:50:13.0	-06:42:30	300	87	3.0	#12 Symbiotic	2	
0099.RSOph	150	12:20	17:50:13.0	-06:42:30	300	87	3.0	#12 Symbiotic	2	
0100.COMP	10	12:23	17:50:13.0	-06:42:30	300	87	3.0	0 Calibration	2	
0101.N5846	300	12:25	15:06:29.3	+01:36:20	300	87	3.0	#57 Velocity S	2	
0102.COMP	10	12:30	15:06:29.3	+01:36:20	300	90	3.0	0 Calibration	2	
0103-0112.BIAS	0	12:37	15:06:29.3	+01:36:20	300	90	3.0	0 Calibration	2	
0113-0127.FLAT	7	12:43	15:06:29.3	+01:36:20	300	90	3.0	0 Calibration	2	

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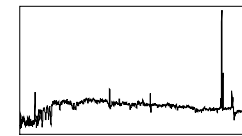
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:15	04:00:00.0	+31:40:00	300	88	3.0	0 Calibration	2	
0011.FLAT	7	23:15	04:00:00.0	+31:40:00	300	88	3.0	0 Calibration	2	300-line, 3-sec, tilt 600
0012-0025.FLAT	7	23:20	04:00:00.0	+31:40:00	300	88	3.0	0 Calibration	2	
0026-0029.DARK	1200	00:22	04:00:00.0	+31:40:00	300	88	3.0	0 Calibration	2	
0030.DARK	1200	00:42	04:00:00.0	+31:40:00	300	88	3.0	0 Calibration	2	cloudy
0031-0040.BIAS	0	03:58	08:02:05.0	+31:33:17	300	88	3.0	0 Calibration	2	
0041.FLAT	7	03:58	08:02:05.0	+31:33:17	300	88	3.0	0 Calibration	2	300-line, 3-sec, tilt 600
0042.FLAT	7	03:59	08:02:05.0	+31:33:17	300	88	3.0	0 Calibration	2	
0043.FLAT	7	03:59	08:02:05.0	+31:33:17	300	88	3.0	0 Calibration	2	Harvard training
0044-0049.FLAT	7	04:01	08:02:05.0	+31:33:17	300	88	3.0	0 Calibration	2	
0061.AWI0005d80	480	04:26	08:12:58.0	+40:21:07	300	88	3.0	#219 Disk Dete	2	clearing
0062.COMP	10	04:35	08:12:58.0	+40:21:07	300	88	3.0	0 Calibration	2	
0063.AWI0005c4n	180	04:52	07:59:45.9	+17:08:18	300	90	3.0	#219 Disk Dete	2	
0064.COMP	10	04:56	07:59:45.9	+17:08:18	300	90	3.0	0 Calibration	2	
0065.HD84937	40	05:29	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0066.COMP	10	05:31	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0067.snASASSN-15ez	900	05:32	08:59:40.2	+15:11:12	300	90	3.0	#220 ASASSN Tr	2	
0068.snASASSN-15ez	900	05:48	08:59:40.2	+15:11:12	300	90	3.0	#220 ASASSN Tr	2	
0069.snASASSN-15ez	900	06:03	08:59:40.2	+15:11:12	300	90	3.0	#220 ASASSN Tr	2	
0070.COMP	10	06:18	08:59:40.2	+15:11:12	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
0071.Feige34	200	06:20	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0072.COMP	10	06:24	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0073.BIAS	0	06:28	11:00:00.0	+32:00:00	600	89	2.0	0 Calibration	2	
0074.COMP	10	06:29	11:00:00.0	+32:00:00	600	89	2.0	0 Calibration	2	600-line, 2-sec, tilt 750
0075.HD84937	40	06:32	09:48:56.1	+13:44:39	600	89	2.0	222 M dwarfs	2	
0076.HD84937	40	06:33	09:48:56.1	+13:44:39	600	89	2.0	222 M dwarfs	2	
0077.COMP	10	06:34	09:48:56.1	+13:44:39	600	89	2.0	0 Calibration	2	
0078.LSPMJ0850+5217	900	06:36	08:50:06.8	+52:17:30	600	89	2.0	222 M dwarfs	2	
0079.COMP	10	06:52	08:50:06.8	+52:17:30	600	89	2.0	0 Calibration	2	
0080.LSPMJ0859+5343	600	06:53	08:59:35.9	+53:43:51	600	89	2.0	222 M dwarfs	2	
0081.COMP	10	07:04	08:59:35.9	+53:43:51	600	90	2.0	0 Calibration	2	
0082.LSPMJ0909+0826	1200	07:06	09:09:38.7	+08:26:16	600	90	2.0	222 M dwarfs	2	
0083.COMP	10	07:27	09:09:38.7	+08:26:16	600	90	2.0	0 Calibration	2	
0084.LSPMJ0914+4820	1800	07:30	09:14:02.2	+48:20:42	600	90	2.0	222 M dwarfs	2	
0085.COMP	10	08:01	09:14:02.2	+48:20:42	600	90	2.0	0 Calibration	2	
0086.LSPMJ0929+2558	1800	08:03	09:29:11.1	+25:58:09	600	90	2.0	222 M dwarfs	2	
0087.COMP	10	08:35	09:29:11.1	+25:58:09	600	90	2.0	0 Calibration	2	
0088.LSPMJ0924+3041	600	08:36	09:24:50.8	+30:41:37	600	90	2.0	222 M dwarfs	2	
0089.COMP	10	08:46	09:24:50.8	+30:41:37	600	90	2.0	0 Calibration	2	
0090.LSPMJ0944+4725	1200	08:48	09:44:15.8	+47:25:55	600	90	2.0	222 M dwarfs	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091.COMP	10	09:08	09:44:15.8	+47:25:55	600	90	2.0	0 Calibration	2	
0092.LSPMJ1049+4745	1800	09:10	10:49:00.6	+47:45:54	600	90	2.0	222 M dwarfs	2	
0093.COMP	10	09:40	10:49:00.6	+47:45:54	600	89	2.0	0 Calibration	2	
0094.LSPMJ1253+5411	1800	09:43	12:53:48.3	+54:11:11	600	89	2.0	222 M dwarfs	2	
0095.COMP	10	10:13	12:53:48.3	+54:11:11	600	90	2.0	0 Calibration	2	
0096.FLAT	12	10:14	15:00:00.0	+32:00:00	600	90	2.0	0 Calibration	2	600-line, 2-sec, tilt 750
0097-0105.FLAT	12	10:18	15:00:00.0	+32:00:00	600	90	2.0	0 Calibration	2	
0106.BIAS	0	10:21	15:00:00.0	+32:00:00	300	90	3.0	0 Calibration	2	
0107.test	10	10:22	15:00:00.0	+32:00:00	300	90	3.0	222 M dwarfs	2	
0108.test	10	10:23	15:00:00.0	+32:00:00	300	90	3.0	222 M dwarfs	2	
0109.test	10	10:24	15:00:00.0	+32:00:00	300	90	3.0	222 M dwarfs	2	
0110.BDp332642	150	10:27	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	300-line, 3-sec
0111.COMP	10	10:30	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0112.snASASSN-15ed	1200	10:33	16:48:25.2	+50:59:31	300	90	3.0	#220 ASASSN Tr	2	
0113.snASASSN-15ed	1200	10:53	16:48:25.2	+50:59:31	300	90	3.0	#220 ASASSN Tr	2	
0114.snASASSN-15ed	1200	11:13	16:48:25.2	+50:59:31	300	90	3.0	#220 ASASSN Tr	2	
0115.COMP	10	11:34	16:48:25.2	+50:59:31	300	89	3.0	0 Calibration	2	
0116.snPSNJ15053007	1800	11:36	15:05:30.1	+01:38:02	300	71	3.0	#2 SN Observat	2	
0117.COMP	10	12:07	15:05:30.1	+01:38:02	300	70	3.0	0 Calibration	2	
0118.YYHer	60	12:10	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0119.YYHer	300	12:12	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0120.COMP	10	12:17	18:14:34.0	+20:59:19	300	88	3.0	0 Calibration	2	
0121.BFCyg	30	12:18	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	
0122.BFCyg	15	12:19	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	
0123.BFCyg	45	12:20	19:23:53.0	+29:40:27	300	88	3.0	#12 Symbiotic	2	
0124.COMP	10	12:21	19:23:53.0	+29:40:27	300	88	3.0	0 Calibration	2	
0125.CHCyg	2	12:22	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	
0126.CHCyg	6	12:23	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	
0127.CHCyg	1	12:23	19:24:33.0	+50:14:30	300	88	3.0	#12 Symbiotic	2	
0128.COMP	10	12:24	19:24:33.0	+50:14:30	300	88	3.0	0 Calibration	2	
0129.CICyg	15	12:26	19:50:12.0	+35:41:02	300	88	3.0	#12 Symbiotic	2	
0130.CICyg	45	12:26	19:50:12.0	+35:41:02	300	88	3.0	#12 Symbiotic	2	
0131.CICyg	90	12:27	19:50:12.0	+35:41:02	300	88	3.0	#12 Symbiotic	2	
0132.COMP	10	12:29	19:50:12.0	+35:41:02	300	88	3.0	0 Calibration	2	
0133.V1016Cyg	30	12:30	19:57:05.0	+39:49:37	300	88	3.0	#12 Symbiotic	2	
0134.V1016Cyg	5	12:31	19:57:05.0	+39:49:37	300	88	3.0	#12 Symbiotic	2	
0135.V1016Cyg	150	12:32	19:57:05.0	+39:49:37	300	88	3.0	#12 Symbiotic	2	
0136.COMP	10	12:35	19:57:05.0	+39:49:37	300	90	3.0	0 Calibration	2	
0137.HMSge	60	12:36	19:41:57.0	+16:44:41	300	90	3.0	#12 Symbiotic	2	
0138.HMSge	5	12:37	19:41:57.0	+16:44:41	300	90	3.0	#12 Symbiotic	2	

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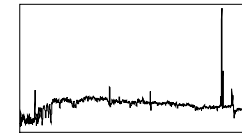
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0139.HMSge	150	12:38	19:41:57.0	+16:44:41	300	90	3.0	#12 Symbiotic	2	
0140.COMP	10	12:41	19:41:57.0	+16:44:41	300	87	3.0	0 Calibration	2	
0141-0150.BIAS	0	12:44	19:41:57.0	+16:44:41	300	87	3.0	0 Calibration	2	
0151-0165.FLAT	7	12:50	19:41:57.0	+16:44:41	300	87	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	1200	23:03	22:27:09.7	+31:26:00	300	89	3.0	0 Calibration	2	
0006-0015.BIAS	0	01:25	22:27:09.7	+31:26:00	300	89	3.0	0 Calibration	2	
0016-0030.FLAT	7	01:31	22:27:09.7	+31:26:00	300	89	3.0	0 Calibration	2	
0031.sirius	1	02:39	06:45:08.9	-16:42:58	300	89	3.0	#196 ASTRON 10	2	
0032.COMP	10	02:43	06:45:08.9	-16:42:58	300	89	3.0	0 Calibration	2	
0033.HD48099.06	90	02:51	06:41:59.0	+06:20:43	300	89	3.0	#196 ASTRON 10	2	
0034.HD48099.06	60	02:53	06:41:59.0	+06:20:43	300	89	3.0	#196 ASTRON 10	2	
0035.HD48099.06	30	02:56	06:41:59.0	+06:20:43	300	89	3.0	#196 ASTRON 10	2	
0036.COMP	10	02:57	06:41:59.0	+06:20:43	300	89	3.0	0 Calibration	2	
0037.HD48099.06	30	03:03	06:41:59.0	+06:20:43	300	89	3.0	#196 ASTRON 10	2	
0038.HD42087	45	03:14	06:09:44.0	+23:06:48	300	89	3.0	#196 ASTRON 10	2	
0039.HD42087	90	03:16	06:09:44.0	+23:06:48	300	89	3.0	#196 ASTRON 10	2	
0040.HD42087	90	03:20	06:09:44.0	+23:06:48	300	89	3.0	#196 ASTRON 10	2	
0041.HD31411	120	03:34	04:55:58.4	+05:24:05	300	89	3.0	#196 ASTRON 10	2	
0042.HD31411.A0	60	03:41	04:55:58.4	+05:23:56	300	89	3.0	#196 ASTRON 10	2	
0043.COMP	10	03:43	04:55:58.4	+05:23:56	300	89	3.0	0 Calibration	2	
0044.HD31411.A0	120	03:46	04:55:58.4	+05:23:56	300	89	3.0	#196 ASTRON 10	2	
0045.COMP	10	04:18	06:09:44.0	+23:06:48	300	89	3.0	0 Calibration	2	

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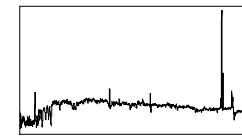
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	10:15	06:41:59.2	+06:20:44	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	10:21	06:41:59.2	+06:20:44	300	89	3.0	0 Calibration	2	
0026.ASASSN15db	60	10:31	15:46:58.7	+17:53:03	300	89	3.0	#196 ASTRON 10	2	
0027.ASASSN15db	300	10:33	15:46:58.7	+17:53:03	300	89	3.0	#196 ASTRON 10	2	
0028.COMP	10	10:39	15:46:58.7	+17:53:03	300	89	3.0	0 Calibration	2	
0029.HD126327.M8III	30	10:51	14:24:11.0	+25:42:15	300	89	3.0	#196 ASTRON 10	2	
0030.HD126327.M8III	1	10:54	14:24:11.0	+25:42:15	300	89	3.0	#196 ASTRON 10	2	
0031.HD126327.M8III	5	10:55	14:24:11.0	+25:42:15	300	89	3.0	#196 ASTRON 10	2	
0032.HD126327.M8III	10	10:56	14:24:11.0	+25:42:15	300	89	3.0	#196 ASTRON 10	2	
0033.HD126327.M8III	1	10:57	14:24:11.0	+25:42:15	300	89	3.0	#196 ASTRON 10	2	
0034.AWI0005duh	1	11:04	16:34:08.2	+35:30:00	300	89	3.0	#219 Disk Dete	2	
0035.AWI0005duh	10	11:04	16:34:08.2	+35:30:00	300	89	3.0	#219 Disk Dete	2	
0036.AWI0005duh	25	11:05	16:34:08.2	+35:30:00	300	89	3.0	#219 Disk Dete	2	
0037.AWI0005duh	30	11:07	16:34:08.2	+35:30:00	300	89	3.0	#219 Disk Dete	2	
0038.AWI0005duh	25	11:08	16:34:08.2	+35:30:00	300	89	3.0	#219 Disk Dete	2	
0039.COMP	10	11:09	16:34:08.2	+35:30:00	300	89	3.0	0 Calibration	2	
0040.COMP	10	11:12	14:24:11.0	+25:42:15	300	89	3.0	0 Calibration	2	
0041.AWI0005dju	15	11:26	17:20:07.5	+35:41:04	300	89	3.0	#219 Disk Dete	2	
0042.AWI0005dju	20	11:27	17:20:07.5	+35:41:04	300	89	3.0	#219 Disk Dete	2	
0043.AWI0005dt9	25	11:34	16:18:16.2	+38:16:31	300	89	3.0	#219 Disk Dete	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>
0044.AWI0005dt9	45	11:36	16:18:16.2	+38:16:31	300	89	3.0	#219 Disk Dete	2	
0045.AWI0005dt9	60	11:38	16:18:16.2	+38:16:31	300	89	3.0	#219 Disk Dete	2	
0046.COMP	10	11:40	16:18:16.2	+38:16:31	300	89	3.0	0 Calibration	2	
0047.BDp262606	30	11:48	14:49:02.4	+25:42:09	300	89	3.0	#219 Disk Dete	2	
0048.BDp262606	120	11:49	14:49:02.4	+25:42:09	300	89	3.0	#219 Disk Dete	2	
0049.BDp262606	300	11:52	14:49:02.4	+25:42:09	300	89	3.0	#219 Disk Dete	2	
0050.COMP	10	11:58	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0051.BDp262606	316	12:14	14:49:02.4	+25:42:09	300	89	3.0	#219 Disk Dete	2	

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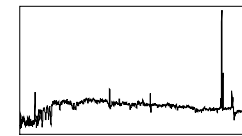
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	02:11	06:36:41.4	+31:31:30	300	89	3.0	0 Calibration	4	
0011-0030.FLAT	7	02:17	06:36:41.4	+31:31:30	300	89	3.0	0 Calibration	2	
0031-0053.BIAS	0	02:29	06:36:41.4	+31:31:30	300	89	3.0	0 Calibration	2	
0054.G191B2B	300	02:38	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0055.COMP	10	02:43	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0056.GITau	240	02:46	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0057.COMP	10	02:50	04:33:34.0	+24:21:18	300	89	3.0	0 Calibration	2	
0058.GKTau	240	02:52	04:33:34.5	+24:21:07	300	89	3.0	#12 Symbiotic	2	
0059.COMP	10	02:56	04:33:34.5	+24:21:07	300	89	3.0	0 Calibration	2	
0060.BGGem	900	02:58	06:03:31.0	+27:41:50	300	89	3.0	#12 Symbiotic	2	
0061.BGGem	300	03:14	06:03:31.0	+27:41:50	300	89	3.0	#12 Symbiotic	2	
0062.COMP	10	03:20	06:03:31.0	+27:41:50	300	89	3.0	0 Calibration	2	
0063.SS129	300	03:24	07:32:45.0	-26:49:16	300	80	3.0	#12 Symbiotic	2	
0064.SS129	300	03:29	07:32:45.0	-26:49:16	300	80	3.0	#12 Symbiotic	2	
0065.COMP	10	03:35	07:32:45.0	-26:49:16	300	80	3.0	0 Calibration	2	
0066.BXMon	15	03:37	07:25:23.0	-03:35:51	300	89	3.0	#12 Symbiotic	2	
0067.BXMon	180	03:38	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0068.COMP	10	03:41	07:25:23.0	-03:35:51	300	90	3.0	0 Calibration	2	
0069.AWI00055x4	300	03:45	05:17:39.0	+56:39:09	300	90	3.0	#219 Disk Dete	2	
0070.COMP	10	03:51	05:17:39.0	+56:39:09	300	90	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0071.AWI0005yos	600	03:54	05:20:19.5	-05:45:55	300	90	3.0	#219 Disk Dete	2	
0072.COMP	10	04:04	05:20:19.5	-05:45:55	300	90	3.0	0 Calibration	2	
0073.AWI0005yos	180	04:05	05:20:19.5	-05:45:55	300	90	3.0	#219 Disk Dete	2	
0074.COMP	10	04:08	05:20:19.5	-05:45:55	300	90	3.0	0 Calibration	2	
0075.AWI0005yov	60	04:09	05:20:28.9	-05:48:44	300	90	3.0	#219 Disk Dete	2	
0076.COMP	10	04:11	05:20:28.9	-05:48:44	300	90	3.0	0 Calibration	2	
0077.AWI0005yow	300	04:13	05:20:31.4	-05:48:25	300	90	3.0	#219 Disk Dete	2	
0078.COMP	10	04:18	05:20:31.4	-05:48:25	300	89	3.0	0 Calibration	2	
0079.Pbcg014	1800	04:23	09:13:36.2	+16:26:21	300	89	3.0	#210 Brightest	2	
0080.COMP	10	04:54	09:13:36.2	+16:26:21	300	90	3.0	0 Calibration	2	
0081.022_WHSS075354	2400	04:59	07:53:54.4	+30:26:33	300	70	3.0	#221 Bright Hi	2	
0082.COMP	10	05:39	07:53:54.4	+30:26:33	300	70	3.0	0 Calibration	2	
0083.023_WHSS075450	2400	05:42	07:54:50.8	+20:17:25	300	90	3.0	#221 Bright Hi	2	
0084.COMP	10	06:23	07:54:50.8	+20:17:25	300	90	3.0	0 Calibration	2	
0085.045_WHSS085720	1800	06:25	08:57:20.4	+21:42:18	300	90	3.0	#221 Bright Hi	2	
0086.COMP	10	06:56	08:57:20.4	+21:42:18	300	89	3.0	0 Calibration	2	
0087.089_WHSS105329	900	06:58	10:53:29.0	+24:43:37	300	89	3.0	#221 Bright Hi	2	
0088.COMP	10	07:14	10:53:29.0	+24:43:37	300	90	3.0	0 Calibration	2	
0089.j0939p64	1500	07:23	09:39:57.0	+64:46:34	600	89	1.5	#178 Low Mass	4	
0090.COMP	10	07:48	09:39:57.0	+64:46:34	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
0091.j0939p64	1500	07:49	09:39:57.0	+64:46:34	600	90	1.5	#178 Low Mass	4	
0092.COMP	10	08:15	09:39:57.0	+64:46:34	600	90	1.5	0 Calibration	4	
0093.j0939p64	1500	08:15	09:39:57.0	+64:46:34	600	90	1.5	#178 Low Mass	4	
0094.COMP	10	08:41	09:39:57.0	+64:46:34	600	90	1.5	0 Calibration	4	
0095.j0939p64	1500	08:42	09:39:57.0	+64:46:34	600	90	1.5	#178 Low Mass	4	
0096.COMP	10	09:07	09:39:57.0	+64:46:34	600	89	1.5	0 Calibration	4	
0097.hotwd116	600	09:12	13:36:33.7	+06:46:27	600	89	1.5	#178 Low Mass	4	
0098.COMP	10	09:26	13:36:33.7	+06:46:27	600	89	1.5	0 Calibration	4	
0099.hotwd116	600	09:27	13:36:33.7	+06:46:27	600	89	1.5	#178 Low Mass	4	
0100.COMP	10	09:37	13:36:33.7	+06:46:27	600	89	1.5	0 Calibration	4	
0101.hotwd116	600	09:38	13:36:33.7	+06:46:27	600	89	1.5	#178 Low Mass	4	
0102.COMP	10	09:48	13:36:33.7	+06:46:27	600	89	1.5	0 Calibration	4	
0103.hotwd116	600	09:49	13:36:33.7	+06:46:27	600	89	1.5	#178 Low Mass	4	
0104.COMP	10	09:59	13:36:33.7	+06:46:27	600	89	1.5	0 Calibration	4	
0105.BDp332642	150	10:02	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	
0106.COMP	10	10:05	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0107-0116.FLAT	12	10:09	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0117.COMP	5	10:13	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	4	test
0118.COMP	5	10:14	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	4	
0119.COMP	5	10:16	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	4	

UT Date 2015-03-21 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

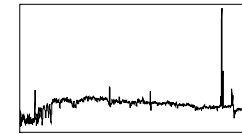
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0120.snASASSN-15bm	1800	10:22	15:05:51.6	-05:37:37	300	89	3.0	#220 ASASSN Tr	2	
0121.COMP	10	10:53	15:05:51.6	-05:37:37	300	89	3.0	0 Calibration	2	
0122.snASASSN-15fi	1200	10:57	16:31:48.8	+20:24:38	300	89	3.0	#220 ASASSN Tr	2	
0123.COMP	10	11:18	16:31:48.8	+20:24:38	300	89	3.0	0 Calibration	2	
0124.BDp262606	50	11:20	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0125.COMP	10	11:21	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0126.BDp332642	120	11:23	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0127.COMP	10	11:25	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0128.snASASSN-15bd	1800	11:28	15:54:38.3	+16:36:38	300	89	3.0	#220 ASASSN Tr	2	
0129.COMP	10	11:58	15:54:38.3	+16:36:38	300	89	3.0	0 Calibration	2	
0130.snASASSN-15ed	1800	12:02	16:48:25.2	+50:59:31	300	89	3.0	#220 ASASSN Tr	2	
0131.COMP	10	12:33	16:48:25.2	+50:59:31	300	88	3.0	0 Calibration	2	
0132.N5866	180	12:35	15:06:29.5	+55:45:48	300	88	3.0	#57 Velocity S	2	
0133.COMP	10	12:39	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	2	
0134-0143.BIAS	0	12:48	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	2	
0144-0163.FLAT	7	12:56	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	2	
0164-0168.DARK	900	13:59	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	4	
0169-0173.DARK	900	15:15	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	2	

UT Date 2015-03-22 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

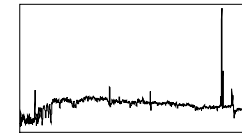
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0009.DARK	900	02:05	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	4	
0010-0020.BIAS	0	02:22	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	4	
0021-0040.FLAT	7	02:30	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:32	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	2	
0051.Hiltner600	120	02:35	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	02:37	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0053.G191B2B	300	02:40	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0054.COMP	10	02:45	05:05:30.6	+52:49:52	300	88	3.0	0 Calibration	2	
0055.AWI0005w9v	180	02:48	04:01:59.2	+32:19:41	300	90	3.0	#219 Disk Dete	2	
0056.COMP	10	02:51	04:01:59.2	+32:19:41	300	90	3.0	0 Calibration	2	
0057.AWI0000zjo	300	02:54	03:18:49.7	+59:33:51	300	90	3.0	#219 Disk Dete	2	
0058.COMP	10	02:59	03:18:49.7	+59:33:51	300	90	3.0	0 Calibration	2	
0059.AWI0005zzc	20	03:03	04:09:44.8	-03:17:45	300	89	3.0	#219 Disk Dete	2	
0060.COMP	10	03:03	04:09:44.8	-03:17:45	300	89	3.0	0 Calibration	2	
0061.AWI0005yme	10	03:05	04:05:14.3	+20:08:21	300	89	3.0	#219 Disk Dete	2	
0062.COMP	10	03:05	04:05:14.3	+20:08:21	300	89	3.0	0 Calibration	2	
0063.AWI0005wa5	30	03:07	04:12:12.2	+30:25:00	300	89	3.0	#219 Disk Dete	2	
0064.COMP	10	03:08	04:12:12.2	+30:25:00	300	89	3.0	0 Calibration	2	
0065.AWI0005wam	600	03:10	04:18:10.8	+25:19:57	300	89	3.0	#219 Disk Dete	2	
0066.COMP	10	03:23	04:18:10.8	+25:19:57	300	89	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.AWI0005yms	240	03:25	04:24:36.1	+13:10:15	300	89	3.0	#219 Disk Dete	2	
0068.COMP	10	03:29	04:24:36.1	+13:10:15	300	89	3.0	0 Calibration	2	
0069.AWI0005wb5	600	03:32	04:30:29.6	+24:26:45	300	89	3.0	#219 Disk Dete	2	
0070.COMP	10	03:42	04:30:29.6	+24:26:45	300	89	3.0	0 Calibration	2	
0071.024_WHSS075510	600	03:45	07:55:10.2	+16:31:53	300	89	3.0	#221 Bright Hi	2	
0072.COMP	10	03:55	07:55:10.2	+16:31:53	300	85	3.0	0 Calibration	2	
0073.025_WHSS075517	1200	03:59	07:55:17.6	+20:18:29	300	85	3.0	#221 Bright Hi	2	
0074.COMP	10	04:19	07:55:17.6	+20:18:29	300	85	3.0	0 Calibration	2	
0075.026_WHSS075832	1800	04:21	07:58:32.2	+46:58:18	300	70	3.0	#221 Bright Hi	2	
0076.COMP	10	04:52	07:58:32.2	+46:58:18	300	70	3.0	0 Calibration	2	
0077.027_WHSS080016	2700	04:56	08:00:16.9	+32:09:49	300	90	3.0	#221 Bright Hi	2	
0078.COMP	10	05:44	08:00:16.9	+32:09:49	300	89	3.0	0 Calibration	2	
0079.snASASSN-15df	2400	05:50	10:35:29.8	+34:34:26	300	89	3.0	#220 ASASSN Tr	2	
0080.COMP	10	06:30	10:35:29.8	+34:34:26	300	89	3.0	0 Calibration	2	
0081.snj12350637	1800	06:34	12:35:06.4	+31:14:35	300	89	3.0	#220 ASASSN Tr	2	
0082.COMP	10	07:04	12:35:06.4	+31:14:35	300	89	3.0	0 Calibration	2	
0083.sn15qq	1800	07:11	13:19:50.5	+52:03:40	300	30	3.0	#220 ASASSN Tr	2	
0084.COMP	10	07:41	13:19:50.5	+52:03:40	300	30	3.0	0 Calibration	2	
0085.bhvs060	1320	07:48	11:09:15.0	+03:18:09	600	90	1.5	#178 Low Mass	4	
0086.COMP	10	08:11	11:09:15.0	+03:18:09	600	90	1.5	0 Calibration	4	

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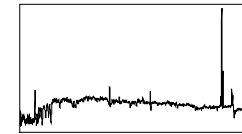
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.bhvs060	1320	08:12	11:09:15.0	+03:18:09	600	90	1.5	#178 Low Mass	4	
0088.COMP	10	08:34	11:09:15.0	+03:18:09	600	90	1.5	0 Calibration	4	
0089.bhvs060	1320	08:35	11:09:15.0	+03:18:09	600	90	1.5	#178 Low Mass	4	
0090.COMP	10	08:57	11:09:15.0	+03:18:09	600	90	1.5	0 Calibration	4	
0091.bhvs060	1320	08:58	11:09:15.0	+03:18:09	600	90	1.5	#178 Low Mass	4	
0092.COMP	10	09:21	11:09:15.0	+03:18:09	600	90	1.5	0 Calibration	4	
0093.hotwd116	600	09:23	13:36:33.7	+06:46:27	600	90	1.5	#178 Low Mass	4	
0094.COMP	10	09:33	13:36:33.7	+06:46:27	600	90	1.5	0 Calibration	4	
0095.hotwd116	600	09:34	13:36:33.7	+06:46:27	600	90	1.5	#178 Low Mass	4	
0096.COMP	10	09:44	13:36:33.7	+06:46:27	600	90	1.5	0 Calibration	4	
0097.hotwd116	600	09:45	13:36:33.7	+06:46:27	600	90	1.5	#178 Low Mass	4	
0098.COMP	10	09:56	13:36:33.7	+06:46:27	600	90	1.5	0 Calibration	4	
0099.hotwd116	600	09:56	13:36:33.7	+06:46:27	600	90	1.5	#178 Low Mass	4	
0100.COMP	10	10:07	13:36:33.7	+06:46:27	600	90	1.5	0 Calibration	4	
0101.j1433p25	1440	10:09	14:33:15.9	+25:28:53	600	90	1.5	#178 Low Mass	4	
0102.COMP	10	10:33	14:33:15.9	+25:28:53	600	90	1.5	0 Calibration	4	
0103.j1433p25	1440	10:34	14:33:15.9	+25:28:53	600	90	1.5	#178 Low Mass	4	
0104.COMP	10	10:58	14:33:15.9	+25:28:53	600	90	1.5	0 Calibration	4	
0105.j1433p25	1440	10:59	14:33:15.9	+25:28:53	600	90	1.5	#178 Low Mass	4	
0106.COMP	10	11:23	14:33:15.9	+25:28:53	600	90	1.5	0 Calibration	4	

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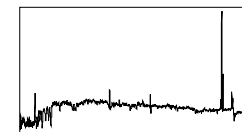
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0107.j1433p25	1440	11:24	14:33:15.9	+25:28:53	600	90	1.5	#178 Low Mass	4	
0108.COMP	10	11:49	14:33:15.9	+25:28:53	600	90	1.5	0 Calibration	4	
0109.BDp332642	150	11:50	15:51:59.9	+32:56:54	600	90	1.5	#56 Spectropho	4	
0110.COMP	10	11:53	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0111-0120.FLAT	12	11:57	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0121.COMP	5	12:00	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	4	test
0122.COMP	5	12:02	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	4	
0123.COMP	5	12:04	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	4	
0124.COMP	5	12:05	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	4	
0125.COMP	5	12:07	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	4	
0126.snASASSN-14lp	1200	12:11	12:45:09.1	-00:27:33	300	90	3.0	#220 ASASSN Tr	2	
0127.COMP	10	12:32	12:45:09.1	-00:27:33	300	90	3.0	0 Calibration	2	
0128.BDp262606	40	12:33	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0129.COMP	10	12:34	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0130.BDp332642	120	12:36	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0131.COMP	10	12:39	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0132-0141.BIAS	0	12:42	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0142-0161.FLAT	7	12:50	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0162-0171.DARK	900	15:12	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	

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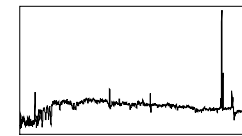
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	00:16	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	4	
0011-0020.BIAS	0	01:00	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	4	
0021-0040.FLAT	7	01:16	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0041-0050.BIAS	0	01:19	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0051-0054.sky	3	01:43	15:51:59.9	+32:56:54	300	90	3.0	#57 Velocity S	2	
0055-0058.sky	5	01:45	15:51:59.9	+32:56:54	300	90	3.0	#57 Velocity S	2	
0059.sky	6	01:45	15:51:59.9	+32:56:54	300	90	3.0	#57 Velocity S	2	
0060.sky	7	01:46	15:51:59.9	+32:56:54	300	90	3.0	#57 Velocity S	2	
0061.COMP	10	01:47	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0062.Hiltner600	120	02:31	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0063.COMP	10	02:34	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0064.G191B2B	300	02:36	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0065.COMP	10	02:42	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0066.AWI0005zgx	40	02:46	04:46:28.1	-02:04:15	300	89	3.0	#219 Disk Dete	2	
0067.COMP	10	02:47	04:46:28.1	-02:04:15	300	89	3.0	0 Calibration	2	
0068.AWI0001qrv	420	02:50	04:53:24.0	+49:00:04	300	89	3.0	#219 Disk Dete	2	
0069.COMP	10	02:58	04:53:24.0	+49:00:04	300	89	3.0	0 Calibration	2	
0070.AWI0005af1	15	03:00	04:57:47.5	+67:46:34	300	89	3.0	#219 Disk Dete	2	
0071.COMP	10	03:00	04:57:47.5	+67:46:34	300	89	3.0	0 Calibration	2	
0072.AWI0005af1	5	03:01	04:57:47.5	+67:46:34	300	89	3.0	#219 Disk Dete	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0073.COMP	10	03:02	04:57:47.5	+67:46:34	300	89	3.0	0 Calibration	2	
0074.AWI0005zh3	7	03:04	04:58:36.9	-04:33:33	300	89	3.0	#219 Disk Dete	2	
0075.COMP	10	03:05	04:58:36.9	-04:33:33	300	89	3.0	0 Calibration	2	
0076.AWI0005zh8	300	03:06	05:04:17.0	-09:01:57	300	90	3.0	#219 Disk Dete	2	
0077.COMP	10	03:13	05:04:17.0	-09:01:57	300	90	3.0	0 Calibration	2	
0078.AWI0005yne	120	03:17	05:01:16.6	+06:32:46	300	90	3.0	#219 Disk Dete	2	
0079.COMP	10	03:21	05:01:16.6	+06:32:46	300	90	3.0	0 Calibration	2	
0080.028_WHSS080209	1020	03:25	08:02:10.0	+43:20:15	300	71	3.0	#221 Bright Hi	2	
0081.COMP	10	03:43	08:02:10.0	+43:20:15	300	71	3.0	0 Calibration	2	
0082.029_WHSS080645	1500	03:46	08:06:45.5	+45:37:16	300	90	3.0	#221 Bright Hi	2	
0083.COMP	10	04:12	08:06:45.5	+45:37:16	300	90	3.0	0 Calibration	2	
0084.029_WHSS080645	1500	04:31	08:06:45.5	+45:37:16	300	89	3.0	#221 Bright Hi	2	
0085.COMP	10	04:56	08:06:45.5	+45:37:16	300	90	3.0	0 Calibration	2	
0086.030_WHSS080813	1200	04:58	08:08:13.9	+28:51:00	300	90	3.0	#221 Bright Hi	2	
0087.COMP	10	05:19	08:08:13.9	+28:51:00	300	90	3.0	0 Calibration	2	
0088.031_WHSS081123	720	05:21	08:11:24.0	+12:14:26	300	90	3.0	#221 Bright Hi	2	
0089.COMP	10	05:34	08:11:24.0	+12:14:26	300	90	3.0	0 Calibration	2	
0090.snASASSN-15as	2700	05:37	09:39:16.6	+06:25:49	300	90	3.0	#220 ASASSN Tr	2	
0091.COMP	10	06:23	09:39:16.6	+06:25:49	300	90	3.0	0 Calibration	2	
0092.snASASSN-15ba	2700	06:36	14:04:55.1	+08:55:15	300	80	3.0	#220 ASASSN Tr	2	

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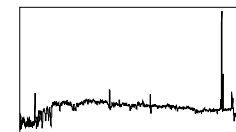
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0093.COMP	10	07:22	14:04:55.1	+08:55:15	300	80	3.0	0 Calibration	2	
0094.snASASSN-15db	1800	07:27	15:46:58.7	+17:53:03	300	1	3.0	#220 ASASSN Tr	2	
0095.COMP	10	07:57	15:46:58.7	+17:53:03	300	0	3.0	0 Calibration	2	
0096.hotwd102	480	08:07	11:26:30.0	+21:21:45	600	89	1.5	#178 Low Mass	4	
0097.COMP	10	08:15	11:26:30.0	+21:21:45	600	90	1.5	0 Calibration	4	
0098.hotwd102	480	08:16	11:26:30.0	+21:21:45	600	90	1.5	#178 Low Mass	4	
0099.COMP	10	08:25	11:26:30.0	+21:21:45	600	90	1.5	0 Calibration	4	
0100.hotwd102	480	08:26	11:26:30.0	+21:21:45	600	90	1.5	#178 Low Mass	4	
0101.COMP	10	08:34	11:26:30.0	+21:21:45	600	90	1.5	0 Calibration	4	
0102.hotwd102	480	08:36	11:26:30.0	+21:21:45	600	90	1.5	#178 Low Mass	4	
0103.COMP	10	08:44	11:26:30.0	+21:21:45	600	90	1.5	0 Calibration	4	
0104.hotwd116	600	08:46	13:36:33.7	+06:46:27	600	90	1.5	#178 Low Mass	4	
0105.COMP	10	08:57	13:36:33.7	+06:46:27	600	90	1.5	0 Calibration	4	
0106.hotwd116	600	08:58	13:36:33.7	+06:46:27	600	90	1.5	#178 Low Mass	4	
0107.COMP	10	09:10	13:36:33.7	+06:46:27	600	90	1.5	0 Calibration	4	
0108.hotwd116	600	09:12	13:36:33.7	+06:46:27	600	90	1.5	#178 Low Mass	4	
0109.COMP	10	09:22	13:36:33.7	+06:46:27	600	90	1.5	0 Calibration	4	
0110.hotwd116	600	09:23	13:36:33.7	+06:46:27	600	90	1.5	#178 Low Mass	4	
0111.COMP	10	09:33	13:36:33.7	+06:46:27	600	90	1.5	0 Calibration	4	
0112.j1433p25	1440	09:36	14:33:15.9	+25:28:53	600	90	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0113.COMP	10	10:00	14:33:15.9	+25:28:53	600	90	1.5	0 Calibration	4	
0114.j1433p25	1440	10:01	14:33:15.9	+25:28:53	600	90	1.5	#178 Low Mass	4	
0115.COMP	10	10:26	14:33:15.9	+25:28:53	600	90	1.5	0 Calibration	4	
0116.j1433p25	1440	10:26	14:33:15.9	+25:28:53	600	90	1.5	#178 Low Mass	4	
0117.COMP	10	10:51	14:33:15.9	+25:28:53	600	90	1.5	0 Calibration	4	
0118.j1433p25	1440	10:52	14:33:15.9	+25:28:53	600	90	1.5	#178 Low Mass	4	thru clouds
0119.COMP	10	11:16	14:33:15.9	+25:28:53	600	90	1.5	0 Calibration	4	
0120.j1433p25	1440	11:17	14:33:15.9	+25:28:53	600	90	1.5	#178 Low Mass	4	
0121.COMP	10	11:41	14:33:15.9	+25:28:53	600	90	1.5	0 Calibration	4	
0122.j1445p14	840	11:44	14:45:10.3	+14:13:45	600	90	1.5	#178 Low Mass	4	
0123.COMP	10	11:58	14:45:10.3	+14:13:45	600	90	1.5	0 Calibration	4	
0124.j1445p14	840	11:59	14:45:10.3	+14:13:45	600	90	1.5	#178 Low Mass	4	
0125.COMP	10	12:13	14:45:10.3	+14:13:45	600	90	1.5	0 Calibration	4	
0126.j1445p14	840	12:14	14:45:10.3	+14:13:45	600	90	1.5	#178 Low Mass	4	
0127.COMP	10	12:28	14:45:10.3	+14:13:45	600	89	1.5	0 Calibration	4	
0128.BDp332642	150	12:30	15:51:59.9	+32:56:54	600	90	1.5	#56 Spectropho	4	
0129.COMP	10	12:33	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0130-0139.BIAS	0	12:36	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0140-0149.FLAT	12	12:41	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0150-0159.BIAS	0	12:54	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	

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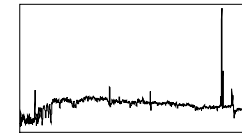
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	02:05	06:40:59.0	+31:31:36	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	02:11	06:40:59.0	+31:31:36	300	89	3.0	0 Calibration	2	
0026.AWI0005wd4	20	02:32	05:10:08.0	+09:57:44	300	89	3.0	#219 Disk Dete	2	
0027.COMP	5	02:33	05:10:08.0	+09:57:44	300	89	3.0	0 Calibration	2	
0028.AWI0005yp3	25	02:34	05:21:09.9	-08:17:05	300	89	3.0	#219 Disk Dete	2	
0029.COMP	10	02:35	05:21:09.9	-08:17:05	300	89	3.0	0 Calibration	2	
0030.AWI0005wew	20	02:37	05:26:14.8	+02:57:27	300	89	3.0	#219 Disk Dete	2	
0031.COMP	10	02:37	05:26:14.8	+02:57:27	300	89	3.0	0 Calibration	2	
0032.AWI0005wff	20	02:39	05:28:06.9	+03:32:09	300	89	3.0	#219 Disk Dete	2	
0033.COMP	10	02:39	05:28:06.9	+03:32:09	300	89	3.0	0 Calibration	2	
0034.AWI0005yof	200	02:41	05:16:45.4	-01:51:22	300	89	3.0	#219 Disk Dete	2	
0035.COMP	10	02:45	05:16:45.4	-01:51:22	300	89	3.0	0 Calibration	2	
0036.AWI0005wec	240	02:46	05:23:36.4	+00:20:09	300	89	3.0	#219 Disk Dete	2	
0037.COMP	10	02:50	05:23:36.4	+00:20:09	300	89	3.0	0 Calibration	2	
0038.AWI0005ynu	720	02:52	05:10:10.9	-02:54:05	300	89	3.0	#219 Disk Dete	2	
0039.COMP	10	03:04	05:10:10.9	-02:54:05	300	90	3.0	0 Calibration	2	
0040.AWI0005ynz	720	03:05	05:12:20.5	-02:55:52	300	90	3.0	#219 Disk Dete	2	
0041.COMP	10	03:18	05:12:20.5	-02:55:52	300	90	3.0	0 Calibration	2	
0042.AWI0005won	1200	03:20	05:39:13.0	-01:27:21	300	89	3.0	#219 Disk Dete	2	
0043.COMP	10	03:41	05:39:13.0	-01:27:21	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
0044.AWI0002p36	600	03:43	06:57:12.5	+02:57:33	300	89	3.0	#219 Disk Dete	2	
0045.COMP	10	03:54	06:57:12.5	+02:57:33	300	89	3.0	0 Calibration	2	
0046.AWI0003m30	1200	03:55	06:57:15.5	-08:23:58	300	89	3.0	#219 Disk Dete	2	
0047.COMP	10	04:17	06:57:15.5	-08:23:58	300	90	3.0	0 Calibration	2	
0048.AWI0001a33	720	04:19	07:17:36.2	-08:11:53	300	90	3.0	#219 Disk Dete	2	
0049.COMP	10	04:32	07:17:36.2	-08:11:53	300	90	3.0	0 Calibration	2	
0050.AWI0002dap	720	04:33	07:20:24.2	-02:23:35	300	90	3.0	#219 Disk Dete	2	
0051.COMP	10	04:47	07:20:24.2	-02:23:35	300	89	3.0	0 Calibration	2	
0052.AWI0005ai4	1200	04:49	07:54:00.6	+04:58:04	300	89	3.0	#219 Disk Dete	2	
0053.COMP	10	05:10	07:54:00.6	+04:58:04	300	90	3.0	0 Calibration	2	
0054.AWI0005ea9	600	05:11	07:25:57.9	+00:18:20	300	90	3.0	#219 Disk Dete	2	
0055.COMP	10	05:22	07:25:57.9	+00:18:20	300	89	3.0	0 Calibration	2	
0056.AWI0005c3y	1200	05:23	07:23:21.3	+32:12:13	300	89	3.0	#219 Disk Dete	2	
0057.COMP	10	05:45	07:23:21.3	+32:12:13	300	89	3.0	0 Calibration	2	
0058.HD84937	30	05:47	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0059.COMP	10	05:48	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0060.AWI0005d1t	1200	05:49	09:22:05.9	+19:30:13	300	89	3.0	#219 Disk Dete	2	
0061.COMP	10	06:10	09:22:05.9	+19:30:13	300	89	3.0	0 Calibration	2	
0062.Feige34	200	06:11	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0063.COMP	10	06:15	10:39:36.7	+43:06:09	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
0064.034_WHSS081424	1800	06:18	08:14:24.8	+48:03:26	300	89	3.0	#221 Bright Hi	2	
0065.COMP	10	06:49	08:14:24.8	+48:03:26	300	89	3.0	0 Calibration	2	
0066.039_WHSS083353	1500	06:51	08:33:53.9	+42:24:02	300	89	3.0	#221 Bright Hi	2	
0067.COMP	10	07:18	08:33:53.9	+42:24:02	300	90	3.0	0 Calibration	2	
0068.049_WHSS091347	1800	07:20	09:13:47.2	+45:03:52	300	90	3.0	#221 Bright Hi	2	
0069.COMP	10	07:51	09:13:47.2	+45:03:52	300	89	3.0	0 Calibration	2	
0070.052_WHSS091809	1800	07:52	09:18:09.8	+37:28:01	300	89	3.0	#221 Bright Hi	2	
0071.COMP	10	08:24	09:18:09.8	+37:28:01	300	89	3.0	0 Calibration	2	
0072.092_WHSS110335	1800	08:26	11:03:35.5	+45:59:19	300	80	3.0	#221 Bright Hi	2	
0073.COMP	10	08:58	11:03:35.5	+45:59:19	300	80	3.0	0 Calibration	2	
0074.093_WHSS110425	1800	09:00	11:04:25.6	+45:03:14	300	80	3.0	#221 Bright Hi	2	
0075.COMP	10	09:31	11:04:25.6	+45:03:14	300	80	3.0	0 Calibration	2	
0076.095_WHSS111203	1800	09:33	11:12:03.9	+56:46:05	300	80	3.0	#221 Bright Hi	2	
0077.COMP	10	10:05	11:12:03.9	+56:46:05	300	80	3.0	0 Calibration	2	
0078.snPS15rs	1200	10:10	16:14:01.3	-18:03:33	300	89	3.0	#2 SN Observat	2	
0079.snPS15rs	1200	10:30	16:14:01.3	-18:03:33	300	89	3.0	#2 SN Observat	2	
0080.COMP	10	10:51	16:14:01.3	-18:03:33	300	89	3.0	0 Calibration	2	
0081.BDp262606	90	10:52	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0082.COMP	10	10:54	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0083.BDp332642	150	10:55	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.COMP	10	10:58	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0085.snASASSN-15fa	900	11:00	17:09:46.0	+62:58:27	300	90	3.0	#220 ASASSN Tr	2	
0086.snASASSN-15fa	900	11:16	17:09:46.0	+62:58:27	300	90	3.0	#220 ASASSN Tr	2	
0087.COMP	10	11:31	17:09:46.0	+62:58:27	300	89	3.0	0 Calibration	2	
0088.snASASSN-15fj	900	11:33	17:10:08.6	+74:43:43	300	89	3.0	#220 ASASSN Tr	2	
0089.snASASSN-15fj	900	11:48	17:10:08.6	+74:43:43	300	89	3.0	#220 ASASSN Tr	2	
0090.COMP	10	12:04	17:10:08.6	+74:43:43	300	89	3.0	0 Calibration	2	
0091.snPSN203725	1200	12:06	20:37:25.6	+66:07:11	300	89	3.0	#2 SN Observat	2	
0092.COMP	10	12:26	20:37:25.6	+66:07:11	300	90	3.0	0 Calibration	2	
0093.Hen1341	90	12:30	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0094.Hen1341	30	12:32	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0095.Hen1341	15	12:33	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0096.COMP	10	12:33	17:08:36.0	-17:26:30	300	90	3.0	0 Calibration	2	
0097-0106.BIAS	0	12:38	17:08:36.0	-17:26:30	300	90	3.0	0 Calibration	2	
0107-0121.FLAT	7	12:43	17:08:36.0	-17:26:30	300	90	3.0	0 Calibration	2	
0122-0126.DARK	1200	14:06	17:08:36.0	-17:26:30	300	90	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0002.DARK	1200	23:01	17:08:36.0	-17:26:30	300	90	3.0	0 Calibration	2	
0003-0015.BIAS	0	01:36	04:00:00.0	+31:40:00	300	90	3.0	0 Calibration	2	
0016-0025.BIAS	0	01:38	04:00:00.0	+31:40:00	300	90	3.0	0 Calibration	4	
0026.test	10	01:40	05:32:51.9	+33:49:47	600	90	2.0	#222 M dwarfs	2	
0027.FLAT	12	01:42	05:32:51.9	+33:49:47	600	90	2.0	0 Calibration	2	600-line, 2-sec, red 752
0028-0041.FLAT	12	01:48	05:32:51.9	+33:49:47	600	90	2.0	0 Calibration	2	
0042.Hiltner600	120	02:20	06:45:13.4	+02:08:15	600	90	2.0	#222 M dwarfs	2	
0043.COMP	10	02:23	06:45:13.4	+02:08:15	600	90	2.0	0 Calibration	2	
0044.LSPMJ0240+4452	420	02:25	02:40:52.5	+44:52:37	600	90	2.0	#222 M dwarfs	2	
0045.COMP	10	02:32	02:40:52.5	+44:52:37	600	90	2.0	0 Calibration	2	
0046.LSPMJ0430+3601	360	02:34	04:30:18.2	+36:01:34	600	90	2.0	#222 M dwarfs	2	
0047.COMP	10	02:40	04:30:18.2	+36:01:34	600	90	2.0	0 Calibration	2	
0048.LSPMJ0451+3127	300	02:41	04:51:01.4	+31:27:24	600	90	2.0	#222 M dwarfs	2	
0049.COMP	10	02:47	04:51:01.4	+31:27:24	600	89	2.0	0 Calibration	2	
0050.LSPMJ0315+3724	420	02:48	03:15:37.9	+37:24:14	600	89	2.0	#222 M dwarfs	2	
0051.COMP	10	02:56	03:15:37.9	+37:24:14	600	89	2.0	0 Calibration	2	
0052.LSPMJ0402+2441	360	02:57	04:02:24.4	+24:41:24	600	89	2.0	#222 M dwarfs	2	
0053.COMP	10	03:03	04:02:24.4	+24:41:24	600	89	2.0	0 Calibration	2	
0054.LSPMJ0412+6443	600	03:05	04:12:17.0	+64:43:56	600	89	2.0	#222 M dwarfs	2	
0055.COMP	10	03:15	04:12:17.0	+64:43:56	600	90	2.0	0 Calibration	2	

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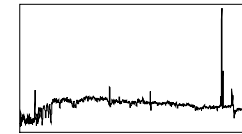
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0056.LSPMJ0443+6448	1200	03:17	04:43:42.9	+64:48:31	600	90	2.0	#222 M dwarfs	2	
0057.COMP	10	03:37	04:43:42.9	+64:48:31	600	90	2.0	0 Calibration	2	
0058.LSPMJ0456+4313	600	03:38	04:56:03.5	+43:13:56	600	90	2.0	#222 M dwarfs	2	
0059.COMP	10	03:49	04:56:03.5	+43:13:56	600	90	2.0	0 Calibration	2	
0060.LSPMJ0502+6827	600	03:50	05:02:05.1	+68:27:25	600	90	2.0	#222 M dwarfs	2	
0061.COMP	10	04:01	05:02:05.1	+68:27:25	600	90	2.0	0 Calibration	2	
0062.LSPMJ0530+6854	1200	04:02	05:30:40.3	+68:54:08	600	90	2.0	#222 M dwarfs	2	
0063.COMP	10	04:23	05:30:40.3	+68:54:08	600	89	2.0	0 Calibration	2	
0064.LSPMJ0554+8005	900	04:25	05:54:48.7	+80:05:41	600	89	2.0	#222 M dwarfs	2	
0065.COMP	10	04:40	05:54:48.7	+80:05:41	600	89	2.0	0 Calibration	2	
0066.LSPMJ0520+5847N	420	04:42	05:20:41.4	+58:47:33	600	89	2.0	#222 M dwarfs	2	
0067.COMP	10	04:49	05:20:41.4	+58:47:33	600	90	2.0	0 Calibration	2	
0068.LSPMJ0640+4944	1200	04:51	06:40:58.1	+49:44:30	600	90	2.0	#222 M dwarfs	2	
0069.COMP	10	05:11	06:40:58.1	+49:44:30	600	90	2.0	0 Calibration	2	
0070.LSPMJ0706+2624	1200	05:13	07:06:40.5	+26:25:00	600	90	2.0	#222 M dwarfs	2	
0071.COMP	10	05:33	07:06:40.5	+26:25:00	600	90	2.0	0 Calibration	2	
0072.LSPMJ0713+4039	240	05:35	07:13:52.8	+40:39:32	600	90	2.0	#222 M dwarfs	2	
0073.COMP	10	05:39	07:13:52.8	+40:39:32	600	90	2.0	0 Calibration	2	
0074.LSPMJ0717+4545	900	05:41	07:17:08.9	+45:45:54	600	90	2.0	#222 M dwarfs	2	
0075.COMP	10	05:57	07:17:08.9	+45:45:54	600	90	2.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.LSPMJ0738+4925	1200	05:58	07:38:47.2	+49:25:27	600	90	2.0	#222 M dwarfs	2	
0077.COMP	10	06:19	07:38:47.2	+49:25:27	600	90	2.0	0 Calibration	2	
0078.LSPMJ0755+5257	720	06:20	07:55:12.1	+52:57:54	600	90	2.0	#222 M dwarfs	2	
0079.COMP	10	06:32	07:55:12.1	+52:57:54	600	89	2.0	0 Calibration	2	
0080.LSPMJ0859+0610	900	06:34	08:59:55.6	+06:10:05	600	89	2.0	#222 M dwarfs	2	
0081.COMP	10	06:49	08:59:55.6	+06:10:05	600	89	2.0	0 Calibration	2	
0082-0083.BIAS	0	06:51	08:59:55.6	+06:10:05	600	89	2.0	0 Calibration	2	
0084.BIAS	0	06:54	08:59:55.6	+06:10:05	600	89	2.0	0 Calibration	2	ok fixed with ccd restart
0085.BIAS	0	06:54	08:59:55.6	+06:10:05	600	89	2.0	0 Calibration	2	
0086.LSPMJ0859+0610	900	06:56	08:59:55.6	+06:10:05	600	89	2.0	#222 M dwarfs	2	
0087.COMP	10	07:11	08:59:55.6	+06:10:05	600	89	2.0	0 Calibration	2	
0088.LSPMJ1007+3526	1800	07:14	10:07:04.2	+35:26:56	600	89	2.0	#222 M dwarfs	2	
0089.COMP	10	07:45	10:07:04.2	+35:26:56	600	89	2.0	0 Calibration	2	
0090.LSPMJ1003+3433	720	07:46	10:03:01.9	+34:33:19	600	89	2.0	#222 M dwarfs	2	
0091.COMP	10	08:00	10:03:01.9	+34:33:19	600	89	2.0	0 Calibration	2	
0092.LSPMJ0959+4712	720	08:01	09:59:46.0	+47:12:11	600	89	2.0	#222 M dwarfs	2	
0093.COMP	10	08:13	09:59:46.0	+47:12:11	600	89	2.0	0 Calibration	2	
0094.BDp262606	120	08:15	14:49:02.4	+25:42:09	600	89	2.0	#222 M dwarfs	2	
0095.COMP	10	08:17	14:49:02.4	+25:42:09	600	89	2.0	0 Calibration	2	
0096.BIAS	0	08:21	13:40:00.0	+32:00:00	600	89	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0097-0106.FLAT	12	08:25	13:40:00.0	+32:00:00	600	89	1.5	0 Calibration	4	
0107.COMP	10	08:26	14:33:15.9	+25:28:53	600	89	1.5	0 Calibration	4	
0108.j1433p25	1440	08:28	14:33:15.9	+25:28:53	600	89	1.5	#178 Low Mass	4	
0109.COMP	10	08:53	14:33:15.9	+25:28:53	600	89	1.5	0 Calibration	4	
0110.j1433p25	1440	08:53	14:33:15.9	+25:28:53	600	89	1.5	#178 Low Mass	4	
0111.COMP	10	09:18	14:33:15.9	+25:28:53	600	89	1.5	0 Calibration	4	
0112.j1433p25	1440	09:18	14:33:15.9	+25:28:53	600	89	1.5	#178 Low Mass	4	
0113.COMP	10	09:43	14:33:15.9	+25:28:53	600	89	1.5	0 Calibration	4	
0114.BDp332642	120	09:44	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	
0115.COMP	10	09:47	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0116.test	10	09:50	15:20:00.0	+32:00:00	300	89	3.0	#56 Spectropho	2	
0117.test	10	09:51	15:20:00.0	+32:00:00	300	89	3.0	#56 Spectropho	2	
0118.BDp262606	90	09:53	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0119.COMP	10	09:55	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0120.RWHya	10	09:57	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0121.RWHya	30	09:57	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0122.RWHya	4	09:58	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0123.COMP	10	09:59	13:34:18.0	-25:22:51	300	89	3.0	0 Calibration	2	
0124.TXCVn	60	10:01	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0125.TXCVn	60	10:03	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	

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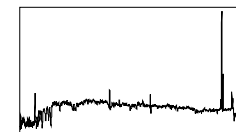
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0126.COMP	10	10:04	12:44:42.0	+36:45:48	300	89	3.0	0 Calibration	2	
0127.BDp332642	150	10:06	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0128.COMP	10	10:09	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0129.snPS15rs	1200	10:12	16:14:01.3	-18:03:33	300	89	3.0	#2 SN Observat	2	
0130.snPS15rs	1200	10:32	16:14:01.3	-18:03:33	300	89	3.0	#2 SN Observat	2	
0131.snPS15rs	1200	10:54	16:14:01.3	-18:03:33	300	87	3.0	#2 SN Observat	2	
0132.COMP	10	11:15	16:14:01.3	-18:03:33	300	87	3.0	0 Calibration	2	
0133.snASASSN-15fa	900	11:20	17:09:46.0	+62:58:27	300	87	3.0	#220 ASASSN Tr	2	
0134.snASASSN-15fa	900	11:35	17:09:46.0	+62:58:27	300	87	3.0	#220 ASASSN Tr	2	
0135.snASASSN-15fa	900	11:50	17:09:46.0	+62:58:27	300	87	3.0	#220 ASASSN Tr	2	
0136.COMP	10	12:06	17:09:46.0	+62:58:27	300	88	3.0	0 Calibration	2	
0137.V443Her	60	12:08	18:22:07.0	+23:27:20	300	88	3.0	#12 Symbiotic	2	
0138.V443Her	90	12:10	18:22:07.0	+23:27:20	300	88	3.0	#12 Symbiotic	2	
0139.V443Her	15	12:11	18:22:07.0	+23:27:20	300	80	3.0	#12 Symbiotic	2	
0140.COMP	10	12:12	18:22:07.0	+23:27:20	300	80	3.0	0 Calibration	2	
0141.AS338	60	12:13	19:03:47.0	+16:26:17	300	80	3.0	#12 Symbiotic	2	
0142.AS338	360	12:15	19:03:47.0	+16:26:17	300	80	3.0	#12 Symbiotic	2	
0143.COMP	10	12:21	19:03:47.0	+16:26:17	300	87	3.0	0 Calibration	2	
0144.AS289	360	12:23	18:12:22.0	-11:40:08	300	87	3.0	#12 Symbiotic	2	
0145.AS289	20	12:29	18:12:22.0	-11:40:08	300	87	3.0	#12 Symbiotic	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>
0146.AS289	50	12:30	18:12:22.0	-11:40:08	300	87	3.0	#12 Symbiotic	2	
0147.COMP	10	12:31	18:12:22.0	-11:40:08	300	88	3.0	0 Calibration	2	
0148-0157.BIAS	0	12:36	18:12:22.0	-11:40:08	300	88	3.0	0 Calibration	2	
0158-0172.FLAT	7	12:42	18:12:22.0	-11:40:08	300	88	3.0	0 Calibration	2	
0173-0177.DARK	900	13:44	18:12:22.0	-11:40:08	300	88	3.0	0 Calibration	2	
0178-0182.DARK	900	15:00	18:12:22.0	-11:40:08	300	88	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	1200	00:12	18:12:22.0	-11:40:08	300	88	3.0	0 Calibration	2	
0006-0015.BIAS	0	01:34	18:12:22.0	-11:40:08	300	88	3.0	0 Calibration	4	
0016-0025.BIAS	0	01:38	18:12:22.0	-11:40:08	300	88	3.0	0 Calibration	2	
0026.FLAT	7	01:39	18:12:22.0	-11:40:08	300	88	3.0	0 Calibration	2	300-line, 3-sec
0027-0040.FLAT	7	01:44	18:12:22.0	-11:40:08	300	88	3.0	0 Calibration	2	
0041-0043.sky	5	01:52	06:45:00.0	+32:00:00	300	88	3.0	#57 Velocity S	2	
0044.COMP	10	01:56	06:45:00.0	+32:00:00	300	88	3.0	0 Calibration	2	
0045.test	10	02:11	06:45:00.0	+32:00:00	300	88	3.0	#57 Velocity S	2	
0046.test	10	02:12	06:45:00.0	+32:00:00	300	88	3.0	#57 Velocity S	2	
0047.AWI0005af8	20	02:20	05:12:27.0	+72:44:37	300	88	3.0	#219 Disk Dete	2	
0048.COMP	10	02:21	05:12:27.0	+72:44:37	300	88	3.0	0 Calibration	2	
0049.AWI00055x3	90	02:23	05:16:38.9	+56:30:24	300	88	3.0	#219 Disk Dete	2	
0050.COMP	10	02:25	05:16:38.9	+56:30:24	300	88	3.0	0 Calibration	2	
0051.AWI00055x1	60	02:26	05:42:11.9	+57:20:30	300	88	3.0	#219 Disk Dete	2	
0052.COMP	10	02:28	05:42:11.9	+57:20:30	300	88	3.0	0 Calibration	2	
0053.AWI00023p7	120	02:29	05:34:38.7	+40:26:09	300	88	3.0	#219 Disk Dete	2	
0054.COMP	10	02:32	05:34:38.7	+40:26:09	300	88	3.0	0 Calibration	2	
0055.AWI0000zlj	120	02:33	05:40:59.9	+33:57:29	300	88	3.0	#219 Disk Dete	2	
0056.COMP	10	02:35	05:40:59.9	+33:57:29	300	88	3.0	0 Calibration	2	
0057.AWI0004294	120	02:36	05:43:39.9	+22:59:19	300	88	3.0	#219 Disk Dete	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.COMP	10	02:39	05:43:39.9	+22:59:19	300	88	3.0	0 Calibration	2	
0059.AWI00034wa	90	02:40	06:25:20.6	+10:51:53	300	88	3.0	#219 Disk Dete	2	
0060.COMP	10	02:42	06:25:20.6	+10:51:53	300	88	3.0	0 Calibration	2	
0061.AWI00034wc	80	02:43	06:30:00.2	+08:17:45	300	88	3.0	#219 Disk Dete	2	
0062.COMP	10	02:44	06:30:00.2	+08:17:45	300	88	3.0	0 Calibration	2	
0063.AWI0001a1z	120	02:45	06:42:16.0	+09:32:41	300	88	3.0	#219 Disk Dete	2	
0064.COMP	10	02:48	06:42:16.0	+09:32:41	300	88	3.0	0 Calibration	2	
0065.AWI0005ypq	240	02:49	05:26:19.8	-06:23:57	300	88	3.0	#219 Disk Dete	2	
0066.COMP	10	02:54	05:26:19.8	-06:23:57	300	88	3.0	0 Calibration	2	
0067.AWI0005yo7	720	02:55	05:14:15.9	-01:38:58	300	87	3.0	#219 Disk Dete	2	
0068.COMP	10	03:08	05:14:15.9	-01:38:58	300	87	3.0	0 Calibration	2	
0069.AWI0005ypg	600	03:09	05:24:06.0	-03:49:47	300	87	3.0	#219 Disk Dete	2	
0070.COMP	10	03:19	05:24:06.0	-03:49:47	300	88	3.0	0 Calibration	2	
0071.AWI0005yq7	360	03:20	05:29:28.1	-08:30:27	300	88	3.0	#219 Disk Dete	2	
0072.COMP	10	03:27	05:29:28.1	-08:30:27	300	88	3.0	0 Calibration	2	
0073.AWI0005yqc	600	03:28	05:30:11.5	-06:34:09	300	88	3.0	#219 Disk Dete	2	
0074.COMP	10	03:38	05:30:11.5	-06:34:09	300	88	3.0	0 Calibration	2	
0075.AWI0005wg6	360	03:39	05:30:18.7	-02:01:58	300	88	3.0	#219 Disk Dete	2	
0076.COMP	10	03:46	05:30:18.7	-02:01:58	300	88	3.0	0 Calibration	2	
0077.AWI0005wfg	600	03:47	05:28:15.3	+01:27:34	300	88	3.0	#219 Disk Dete	2	

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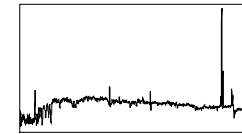
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.COMP	10	03:57	05:28:15.3	+01:27:34	300	87	3.0	0 Calibration	2	
0079.AWI0005wfi	540	03:58	05:28:17.9	+01:10:06	300	87	3.0	#219 Disk Dete	2	
0080.COMP	10	04:08	05:28:17.9	+01:10:06	300	88	3.0	0 Calibration	2	
0081.AWI0005wny	150	04:09	05:38:39.5	-04:40:49	300	88	3.0	#219 Disk Dete	2	
0082.COMP	10	04:12	05:38:39.5	-04:40:49	300	88	3.0	0 Calibration	2	
0083.AWI0005wv8	150	04:13	05:48:13.0	-02:45:03	300	88	3.0	#219 Disk Dete	2	
0084.COMP	10	04:16	05:48:13.0	-02:45:03	300	88	3.0	0 Calibration	2	
0085.AWI0002p2o	300	04:17	06:43:59.7	+03:28:10	300	88	3.0	#219 Disk Dete	2	
0086.COMP	10	04:23	06:43:59.7	+03:28:10	300	88	3.0	0 Calibration	2	
0087.AWI0001a27	600	04:24	06:49:13.2	+05:40:37	300	88	3.0	#219 Disk Dete	2	
0088.COMP	10	04:34	06:49:13.2	+05:40:37	300	88	3.0	0 Calibration	2	
0089.AWI0002d9y	300	04:35	06:53:09.9	+10:40:46	300	88	3.0	#219 Disk Dete	2	
0090.COMP	10	04:41	06:53:09.9	+10:40:46	300	88	3.0	0 Calibration	2	
0091.AWI0005ai6	20	04:45	07:58:30.3	+02:56:09	300	88	3.0	#219 Disk Dete	2	
0092.COMP	10	04:45	07:58:30.3	+02:56:09	300	88	3.0	0 Calibration	2	
0093.AWI0005dmh	120	04:47	09:46:08.3	+03:57:50	300	88	3.0	#219 Disk Dete	2	
0094.COMP	10	04:49	09:46:08.3	+03:57:50	300	88	3.0	0 Calibration	2	
0095.AWI00000my	1200	04:51	10:13:07.6	-10:05:02	300	88	3.0	#219 Disk Dete	2	
0096.COMP	10	05:11	10:13:07.6	-10:05:02	300	87	3.0	0 Calibration	2	
0097.HD84937	40	05:13	09:48:56.1	+13:44:39	300	87	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0098.COMP	10	05:14	09:48:56.1	+13:44:39	300	87	3.0	0 Calibration	2	
0099.snASASSN-15ez	1800	05:15	08:59:40.2	+15:11:12	300	87	3.0	#220 ASASSN Tr	2	
0100.COMP	10	05:46	08:59:40.2	+15:11:12	300	87	3.0	0 Calibration	2	
0101.snASASSN-15df	1800	05:49	10:35:29.8	+34:34:26	300	87	3.0	#220 ASASSN Tr	2	
0102.COMP	10	06:19	10:35:29.8	+34:34:26	300	87	3.0	0 Calibration	2	
0103.Feige34	200	06:21	10:39:36.7	+43:06:09	300	87	3.0	#56 Spectropho	2	
0104.COMP	10	06:25	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0105.snASASSN-14lp	900	06:27	12:45:09.1	-00:27:33	300	88	3.0	#220 ASASSN Tr	2	
0106.COMP	10	06:42	12:45:09.1	-00:27:33	300	88	3.0	0 Calibration	2	
0107.Feige34	180	06:46	10:39:36.7	+43:06:09	600	88	1.5	#56 Spectropho	4	600-line, 1.5-sec, red
0108.COMP	10	06:49	10:39:36.7	+43:06:09	600	87	1.5	0 Calibration	4	
0109.COMP	10	06:51	11:31:43.5	-07:42:20	600	87	1.5	0 Calibration	4	
0110.j1131m07	720	06:52	11:31:43.5	-07:42:20	600	87	1.5	#178 Low Mass	4	
0111.COMP	10	07:04	11:31:43.5	-07:42:20	600	87	1.5	0 Calibration	4	
0112.j1131m07	720	07:05	11:31:43.5	-07:42:20	600	87	1.5	#178 Low Mass	4	
0113.COMP	10	07:17	11:31:43.5	-07:42:20	600	87	1.5	0 Calibration	4	
0114.j1131m07	720	07:18	11:31:43.5	-07:42:20	600	87	1.5	#178 Low Mass	4	
0115.COMP	10	07:30	11:31:43.5	-07:42:20	600	87	1.5	0 Calibration	4	
0116.j1131m07	720	07:31	11:31:43.5	-07:42:20	600	87	1.5	#178 Low Mass	4	
0117.COMP	10	07:43	11:31:43.5	-07:42:20	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
0118.j1131m07	720	07:44	11:31:43.5	-07:42:20	600	87	1.5	#178 Low Mass	4	
0119.COMP	10	07:56	11:31:43.5	-07:42:20	600	87	1.5	0 Calibration	4	
0120.j1406p53	1500	07:59	14:06:44.7	+53:45:01	600	87	1.5	#178 Low Mass	4	
0121.COMP	10	08:25	14:06:44.7	+53:45:01	600	87	1.5	0 Calibration	4	
0122.j1406p53	1500	08:26	14:06:44.7	+53:45:01	600	87	1.5	#178 Low Mass	4	
0123.COMP	10	08:52	14:06:44.7	+53:45:01	600	87	1.5	0 Calibration	4	
0124.j1406p53	1500	08:52	14:06:44.7	+53:45:01	600	87	1.5	#178 Low Mass	4	
0125.COMP	10	09:18	14:06:44.7	+53:45:01	600	87	1.5	0 Calibration	4	
0126.j1406p53	1500	09:19	14:06:44.7	+53:45:01	600	87	1.5	#178 Low Mass	4	
0127.COMP	10	09:45	14:06:44.7	+53:45:01	600	85	1.5	0 Calibration	4	
0128-0137.FLAT	12	09:49	15:00:00.0	+32:00:00	600	85	1.5	0 Calibration	4	
0138.test	10	09:52	15:20:00.0	+32:00:00	300	85	3.0	#178 Low Mass	2	
0139.test	10	09:53	15:20:00.0	+32:00:00	300	85	3.0	#178 Low Mass	2	
0140.BDp262606	90	09:55	14:49:02.4	+25:42:09	300	85	3.0	#56 Spectropho	2	300-line, 3-sec
0141.COMP	10	09:57	14:49:02.4	+25:42:09	300	85	3.0	0 Calibration	2	
0142.220_WHSS154759	1500	10:00	15:47:59.5	+36:19:18	300	85	3.0	#221 Bright Hi	2	
0143.COMP	10	10:26	15:47:59.5	+36:19:18	300	87	3.0	0 Calibration	2	
0144.223_WHSS155128	1500	10:28	15:51:28.7	+54:05:37	300	87	3.0	#221 Bright Hi	2	
0145.COMP	10	10:54	15:51:28.7	+54:05:37	300	87	3.0	0 Calibration	2	
0146.225_WHSS155255	1200	10:55	15:52:55.9	+54:59:48	300	87	3.0	#221 Bright Hi	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0147.COMP	10	11:16	15:52:55.9	+54:59:48	300	87	3.0	0 Calibration	2	
0148.BDp332642	150	11:17	15:51:59.9	+32:56:54	300	87	3.0	#56 Spectropho	2	
0149.COMP	10	11:20	15:51:59.9	+32:56:54	300	87	3.0	0 Calibration	2	
0150.snBRUTUS7107_9	900	11:23	18:58:40.6	+43:28:06	300	86	3.0	#220 ASASSN Tr	2	
0151.snBRUTUS7107_9	900	11:38	18:58:40.6	+43:28:06	300	86	3.0	#220 ASASSN Tr	2	
0152.snBRUTUS7107_9	900	11:54	18:58:40.6	+43:28:06	300	86	3.0	#220 ASASSN Tr	2	
0153.COMP	10	12:10	18:58:40.6	+43:28:06	300	88	3.0	0 Calibration	2	
0154.AS210	11	12:12	16:51:20.3	-26:00:33	300	88	3.0	#12 Symbiotic	2	
0155.AS210	30	12:13	16:51:20.3	-26:00:33	300	88	3.0	#12 Symbiotic	2	
0156.AS210	210	12:13	16:51:20.3	-26:00:33	300	88	3.0	#12 Symbiotic	2	
0157.COMP	10	12:17	16:51:20.3	-26:00:33	300	88	3.0	0 Calibration	2	
0158.AS270	60	12:19	18:05:33.7	-20:20:38	300	88	3.0	#12 Symbiotic	2	
0159.AS270	300	12:21	18:05:33.7	-20:20:38	300	88	3.0	#12 Symbiotic	2	
0160.COMP	10	12:26	18:05:33.7	-20:20:38	300	88	3.0	0 Calibration	2	
0161-0170.BIAS	0	12:30	18:05:33.7	-20:20:38	300	88	3.0	0 Calibration	2	
0171-0185.FLAT	7	12:35	18:05:33.7	-20:20:38	300	88	3.0	0 Calibration	2	
0186-0190.DARK	1200	13:58	18:05:33.7	-20:20:38	300	88	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	01:53	05:43:04.4	+31:30:19	300	88	3.0	0 Calibration	4	
0006-0015.BIAS	0	02:10	05:43:04.4	+31:30:19	300	88	3.0	0 Calibration	4	
0016-0035.FLAT	7	02:17	05:43:04.4	+31:30:19	300	88	3.0	0 Calibration	2	
0036-0045.BIAS	0	02:20	05:43:04.4	+31:30:19	300	88	3.0	0 Calibration	2	
0046.AWI0005n0a	240	02:34	05:20:40.4	+23:34:48	300	88	3.0	#219 Disk Dete	2	
0047.COMP	10	02:38	05:20:40.4	+23:34:48	300	87	3.0	0 Calibration	2	
0048.AWI00023p0	600	02:40	05:21:48.0	+45:01:48	300	87	3.0	#219 Disk Dete	2	
0049.COMP	10	02:50	05:21:48.0	+45:01:48	300	86	3.0	0 Calibration	2	
0050.AWI0005wfb	900	02:52	05:27:42.0	-01:44:22	300	86	3.0	#219 Disk Dete	2	
0051.COMP	10	03:08	05:27:42.0	-01:44:22	300	88	3.0	0 Calibration	2	
0052.AWI00019yt	360	03:10	05:24:33.8	+39:41:14	300	88	3.0	#219 Disk Dete	2	
0053.COMP	10	03:17	05:24:33.8	+39:41:14	300	88	3.0	0 Calibration	2	
0054.AWI0005weq	900	03:18	05:25:45.9	+01:45:50	300	88	3.0	#219 Disk Dete	2	
0055.COMP	10	03:34	05:25:45.9	+01:45:50	300	88	3.0	0 Calibration	2	
0056.AWI0005wev	420	03:35	05:25:56.4	-01:57:14	300	88	3.0	#219 Disk Dete	2	
0057.COMP	10	03:43	05:25:56.4	-01:57:14	300	88	3.0	0 Calibration	2	
0058.032_WHSS081338	1500	03:45	08:13:38.9	+19:47:32	300	88	3.0	#221 Bright Hi	2	
0059.COMP	10	04:11	08:13:38.9	+19:47:32	300	88	3.0	0 Calibration	2	
0060.033_WHSS081421	1800	04:13	08:14:21.7	+16:51:43	300	90	3.0	#221 Bright Hi	2	
0061.COMP	10	04:43	08:14:21.7	+16:51:43	300	90	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0062.035_WHSS081801	1800	04:45	08:18:01.5	+15:39:46	300	90	3.0	#221 Bright Hi	2	
0063.COMP	10	05:15	08:18:01.5	+15:39:46	300	90	3.0	0 Calibration	2	
0064.036_WHSS082252	1800	05:18	08:22:52.1	+49:19:26	300	90	3.0	#221 Bright Hi	2	
0065.COMP	10	05:48	08:22:52.1	+49:19:26	300	90	3.0	0 Calibration	2	
0066.037_WHSS082741	1500	05:55	08:27:41.3	+19:04:53	300	90	3.0	#221 Bright Hi	2	
0067.COMP	10	06:20	08:27:41.3	+19:04:53	300	90	3.0	0 Calibration	2	
0068.038_WHSS083130	1500	06:22	08:31:30.8	+39:44:02	300	90	3.0	#221 Bright Hi	2	
0069.COMP	10	06:48	08:31:30.8	+39:44:02	300	90	3.0	0 Calibration	2	
0070.snj12350637	2400	06:50	12:35:06.4	+31:14:35	300	90	3.0	#220 ASASSN Tr	2	
0071.COMP	10	07:31	12:35:06.4	+31:14:35	300	88	3.0	0 Calibration	2	
0072.112_WHSS114244	900	07:33	11:42:44.1	+24:06:22	300	88	3.0	#221 Bright Hi	2	
0073.COMP	10	07:49	11:42:44.1	+24:06:22	300	88	3.0	0 Calibration	2	
0074.113_WHSS114526	1800	07:51	11:45:26.2	+46:57:48	300	88	3.0	#221 Bright Hi	2	
0075.COMP	10	08:22	11:45:26.2	+46:57:48	300	89	3.0	0 Calibration	2	
0076.115_WHSS114835	900	08:25	11:48:35.3	+36:31:54	300	89	3.0	#221 Bright Hi	2	
0077.COMP	10	08:41	11:48:35.3	+36:31:54	300	89	3.0	0 Calibration	2	
0078.116_WHSS115124	1500	08:42	11:51:24.7	+58:59:18	300	89	3.0	#221 Bright Hi	2	
0079.COMP	10	09:08	11:51:24.7	+58:59:18	300	89	3.0	0 Calibration	2	
0080.155_WHSS132135	900	09:09	13:21:35.4	+43:11:46	300	89	3.0	#221 Bright Hi	2	
0081.COMP	10	09:25	13:21:35.4	+43:11:46	300	89	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0082.156.WHSS132508	900	09:26	13:25:08.6	+23:57:00	300	89	3.0	#221 Bright Hi	2	
0083.COMP	10	09:42	13:25:08.6	+23:57:00	300	87	3.0	0 Calibration	2	
0084.snASASSN-15bm	1800	09:51	15:05:51.6	-05:37:37	300	89	3.0	#220 ASASSN Tr	2	
0085.COMP	10	10:22	15:05:51.6	-05:37:37	300	89	3.0	0 Calibration	2	
0086.snASASSN-15bd	1800	10:25	15:54:38.3	+16:36:38	300	89	3.0	#220 ASASSN Tr	2	
0087.COMP	10	10:55	15:54:38.3	+16:36:38	300	89	3.0	0 Calibration	2	
0088.snASASSN-15fi	1200	10:57	16:31:48.8	+20:24:38	300	89	3.0	#220 ASASSN Tr	2	
0089.COMP	10	11:18	16:31:48.8	+20:24:38	300	89	3.0	0 Calibration	2	
0090.BDp262606	70	11:19	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0091.COMP	10	11:21	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0092.BDp332642	120	11:22	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0093.COMP	10	11:25	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0094.snASASSN-15fj	1500	11:29	17:10:08.6	+74:43:43	300	90	3.0	#220 ASASSN Tr	2	
0095.COMP	10	11:55	17:10:08.6	+74:43:43	300	90	3.0	0 Calibration	2	
0096.ASASSN-15fs	1500	11:58	18:58:40.8	+43:28:08	300	90	3.0	#220 ASASSN Tr	2	
0097.COMP	10	12:24	18:58:40.8	+43:28:08	300	89	3.0	0 Calibration	2	
0098-0107.BIAS	0	12:29	18:58:40.8	+43:28:08	300	89	3.0	0 Calibration	2	
0108-0127.FLAT	7	12:41	18:58:40.8	+43:28:08	300	89	3.0	0 Calibration	2	
0128-0137.DARK	900	15:04	18:58:40.8	+43:28:08	300	89	3.0	0 Calibration	2	