

UT Date 2016-04-02 Observers M CalkinsColl. Focus 1320 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	18:04	23:20:02.2	+31:25:24	300	86	3.0	0 Calibration	2	
0002.COMP	5	18:04	23:20:02.2	+31:25:24	300	86	3.0	0 Calibration	2	
0003.BIAS	0	19:52	01:09:00.0	+31:25:33	300	87	3.0	0 Calibration	2	
0004.COMP	10	19:52	01:09:00.0	+31:25:33	300	87	3.0	0 Calibration	2	
0005-0014.BIAS	0	02:38	07:53:48.2	+31:33:15	300	86	3.0	0 Calibration	4	
0015-0034.FLAT	7	02:48	07:53:48.2	+31:33:15	300	86	3.0	0 Calibration	2	
0035-0044.BIAS	0	02:51	07:53:48.2	+31:33:15	300	86	3.0	0 Calibration	2	
0045.HD84937	40	02:55	09:48:56.1	+13:44:39	300	86	3.0	#56 Spectropho	2	
0046.COMP	10	02:57	09:48:56.1	+13:44:39	300	86	3.0	0 Calibration	2	
0047.HD84937	25	02:58	09:48:56.1	+13:44:39	300	86	3.0	#56 Spectropho	2	
0048.COMP	10	02:59	09:48:56.1	+13:44:39	300	86	3.0	0 Calibration	2	
0049.Feige34	120	03:01	10:39:36.7	+43:06:09	300	86	3.0	#56 Spectropho	2	
0050.COMP	10	03:03	10:39:36.7	+43:06:09	300	80	3.0	0 Calibration	2	
0051.snASASSN-16cs	1800	03:06	06:50:36.7	+31:06:45	300	80	3.0	#220 ASASSN Tr	2	
0052.COMP	10	03:41	06:50:36.7	+31:06:45	300	86	3.0	0 Calibration	2	
0054.sn2016bkv	1200	03:52	10:18:19.3	+41:25:39	300	95	3.0	#2 SN Observat	2	
0055.sn2016bkv	1200	04:13	10:18:19.3	+41:25:39	300	95	3.0	#2 SN Observat	2	
0056.COMP	10	04:34	10:18:19.3	+41:25:39	300	95	3.0	0 Calibration	2	
0057.snASASSN-16dn	1200	04:37	10:48:49.4	-20:15:49	300	90	3.0	#220 ASASSN Tr	2	
0058.COMP	10	04:58	10:48:49.4	-20:15:49	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
0059.snASASSN-16dm	1500	05:00	11:37:20.6	-04:54:37	300	90	3.0	#220 ASASSN Tr	2	
0060.COMP	10	05:26	11:37:20.6	-04:54:37	300	91	3.0	0 Calibration	2	
0061.sn2016bkvNearbyStar	1200	05:29	10:18:19.3	+41:25:39	300	91	3.0	#2 SN Observat	2	
0062.COMP	10	05:49	10:18:19.3	+41:25:39	300	90	3.0	0 Calibration	2	
0063.snAT2016aqz	1800	05:54	13:11:58.0	+14:33:58	300	30	3.0	#2 SN Observat	2	errant cosmic ray... get again
0064.COMP	10	06:24	13:11:58.0	+14:33:58	300	30	3.0	0 Calibration	2	
0065.snAT2016aqz	1800	06:26	13:11:58.0	+14:33:58	300	30	3.0	#2 SN Observat	2	
0066.COMP	10	06:56	13:11:58.0	+14:33:58	300	30	3.0	0 Calibration	2	
0067.snASASSN-16dp	1800	06:59	14:59:42.1	+04:05:07	300	90	3.0	#220 ASASSN Tr	2	
0068.COMP	10	07:29	14:59:42.1	+04:05:07	300	90	3.0	0 Calibration	2	
0069.N4853	300	07:31	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0070.COMP	10	07:37	12:58:35.2	+27:35:47	300	91	3.0	0 Calibration	2	
0071.j1054m21	1601	07:51	10:54:50.2	-21:44:20	600	91	1.5	#178 Low Mass	4	
0072.COMP	10	08:19	10:54:50.2	-21:44:20	600	89	1.5	0 Calibration	4	
0073.j1058p51	1294	08:23	10:58:38.6	+51:32:38	600	89	1.5	#178 Low Mass	4	
0074.COMP	10	08:45	10:58:38.6	+51:32:38	600	90	1.5	0 Calibration	4	
0075.j1334m02	1454	08:49	13:34:25.0	-02:49:45	600	90	1.5	#178 Low Mass	4	
0076.COMP	10	09:14	13:34:25.0	-02:49:45	600	90	1.5	0 Calibration	4	
0077.j1341p35	900	09:16	13:41:15.5	+35:45:55	600	90	1.5	#178 Low Mass	4	
0078.COMP	10	09:32	13:41:15.5	+35:45:55	600	90	1.5	0 Calibration	4	

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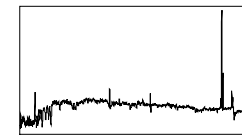
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0079.j1349p14	1429	09:34	13:49:03.6	+14:19:55	600	90	1.5	#178 Low Mass	4	
0080.COMP	10	09:59	13:49:03.6	+14:19:55	600	90	1.5	0 Calibration	4	
0081.j1350p05	1632	10:02	13:50:24.3	+05:22:52	600	90	1.5	#178 Low Mass	4	
0082.COMP	10	10:30	13:50:24.3	+05:22:52	600	90	1.5	0 Calibration	4	
0083.j1528p43	557	10:32	15:28:02.5	+43:50:17	600	90	1.5	#178 Low Mass	4	
0084.COMP	10	10:42	15:28:02.5	+43:50:17	600	90	1.5	0 Calibration	4	
0085.j1528p61	1538	10:44	15:28:51.8	+61:01:50	600	90	1.5	#178 Low Mass	4	cnts a little low
0086.COMP	10	11:11	15:28:51.8	+61:01:50	600	89	1.5	0 Calibration	4	
0087.j1528p61	1800	11:30	15:28:51.8	+61:01:50	600	89	1.5	#178 Low Mass	4	
0088.COMP	10	12:00	15:28:51.8	+61:01:50	600	90	1.5	0 Calibration	4	
0089.j1529p29	865	12:02	15:29:10.6	+29:52:37	600	90	1.5	#178 Low Mass	4	
0090.COMP	10	12:17	15:29:10.6	+29:52:37	600	89	1.5	0 Calibration	4	
0091.BDp332642	150	12:18	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	
0092.COMP	10	12:21	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0093-0102.FLAT	12	12:27	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0103-0112.BIAS	0	12:31	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0113-0117.DARK	900	13:33	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0118-0122.DARK	900	14:50	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	01:42	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	2	
0011-0020.BIAS	0	01:59	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0021-0040.FLAT	7	02:14	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:17	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0051.snASASSN-16do	1800	02:39	06:34:12.7	-32:59:50	300	88	3.0	#220 ASASSN Tr	2	
0052.COMP	10	03:15	06:34:12.7	-32:59:50	300	89	3.0	0 Calibration	2	
0053.BGGem	300	03:19	06:03:31.0	+27:41:50	300	89	3.0	#12 Symbiotic	2	
0054.COMP	10	03:24	06:03:31.0	+27:41:50	300	88	3.0	0 Calibration	2	
0055.SS129	300	03:28	07:32:45.0	-26:49:16	300	81	3.0	#12 Symbiotic	2	
0056.SS129	300	03:33	07:32:45.0	-26:49:16	300	81	3.0	#12 Symbiotic	2	
0057.COMP	10	03:38	07:32:45.0	-26:49:16	300	80	3.0	0 Calibration	2	
0058.BXMon	15	03:40	07:25:23.0	-03:35:51	300	89	3.0	#12 Symbiotic	2	
0059.BXMon	120	03:41	07:25:23.0	-03:35:51	300	89	3.0	#12 Symbiotic	2	
0060.COMP	10	03:44	07:25:23.0	-03:35:51	300	89	3.0	0 Calibration	2	
0061.GITau	600	03:46	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0062.COMP	10	03:56	04:33:34.0	+24:21:18	300	89	3.0	0 Calibration	2	
0063.GKTau	300	03:57	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0064.COMP	10	04:03	04:33:34.5	+24:21:07	300	89	3.0	0 Calibration	2	
0065.HD84937	20	04:07	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0066.COMP	10	04:08	09:48:56.1	+13:44:39	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.Feige34	120	04:11	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0068.COMP	10	04:14	10:39:36.7	+43:06:09	300	87	3.0	0 Calibration	2	
0069.N3377	240	04:16	10:47:42.4	+13:59:08	300	87	3.0	#57 Velocity S	2	
0070.COMP	10	04:21	10:47:42.4	+13:59:08	300	87	3.0	0 Calibration	2	
0071.sn2016bkv	1500	04:27	10:18:19.3	+41:25:39	300	110	3.0	#2 SN Observat	2	poor seeing
0072.sn2016bkv	1500	04:53	10:18:19.3	+41:25:39	300	110	3.0	#2 SN Observat	2	
0073.sn2016bkv	1500	05:18	10:18:19.3	+41:25:39	300	110	3.0	#2 SN Observat	2	
0074.COMP	10	05:43	10:18:19.3	+41:25:39	300	109	3.0	0 Calibration	2	
0075.TXCVn	10	05:45	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0076.TXCVn	30	05:45	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0077.snASASSN-16dn	1200	05:48	10:48:49.4	-20:15:49	300	90	3.0	#220 ASASSN Tr	2	seeing improving
0078.COMP	10	06:09	10:48:49.4	-20:15:49	300	90	3.0	0 Calibration	2	
0079.snASASSN-16dm	2100	06:11	11:37:20.6	-04:54:37	300	91	3.0	#220 ASASSN Tr	2	
0080.COMP	10	06:47	11:37:20.6	-04:54:37	300	91	3.0	0 Calibration	2	
0081.snASASSN-16dp	2400	06:51	14:59:42.1	+04:05:07	300	81	3.0	#220 ASASSN Tr	2	
0082.COMP	10	07:31	14:59:42.1	+04:05:07	300	80	3.0	0 Calibration	2	
0083.TCrB	15	07:34	15:59:30.0	+25:55:12	300	85	3.0	#12 Symbiotic	2	
0084.TCrB	60	07:35	15:59:30.0	+25:55:12	300	85	3.0	#12 Symbiotic	2	
0085.COMP	10	07:36	15:59:30.0	+25:55:12	300	85	3.0	0 Calibration	2	
0086.AGDra	2	07:39	16:01:41.0	+66:48:10	300	88	3.0	#12 Symbiotic	2	

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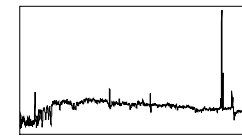
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.AGDra	15	07:39	16:01:41.0	+66:48:10	300	88	3.0	#12 Symbiotic	2	
0088.AGDra	60	07:40	16:01:41.0	+66:48:10	300	88	3.0	#12 Symbiotic	2	
0089.COMP	10	07:41	16:01:41.0	+66:48:10	300	88	3.0	0 Calibration	2	
0090.RWHya	2	07:44	13:34:18.0	-25:22:51	300	88	3.0	#12 Symbiotic	2	
0091.RWHya	10	07:44	13:34:18.0	-25:22:51	300	88	3.0	#12 Symbiotic	2	
0092.RWHya	20	07:45	13:34:18.0	-25:22:51	300	88	3.0	#12 Symbiotic	2	
0093.COMP	10	07:46	13:34:18.0	-25:22:51	300	88	3.0	0 Calibration	2	seeing going bad
0094.j1100p10	300	08:00	11:00:55.9	+10:55:42	600	90	1.5	#178 Low Mass	4	
0095.COMP	10	08:05	11:00:55.9	+10:55:42	600	90	1.5	0 Calibration	4	
0096.j1110p39	1800	08:08	11:10:56.7	+39:59:17	600	90	1.5	#178 Low Mass	4	
0097.COMP	10	08:39	11:10:56.7	+39:59:17	600	89	1.5	0 Calibration	4	
0098.j1111p47	900	08:41	11:11:20.7	+47:18:26	600	91	1.5	#178 Low Mass	4	
0099.COMP	10	08:56	11:11:20.7	+47:18:26	600	90	1.5	0 Calibration	4	
0100.j1303p04	1800	08:59	13:03:18.5	+04:51:58	600	89	1.5	#178 Low Mass	4	
0101.COMP	10	09:30	13:03:18.5	+04:51:58	600	90	1.5	0 Calibration	4	
0102.j1314p17	1800	09:37	13:14:26.8	+17:32:09	600	90	1.5	#178 Low Mass	4	seeing bad...
0103.COMP	10	10:08	13:14:26.8	+17:32:09	600	90	1.5	0 Calibration	4	
0104.j1315p02	720	10:09	13:15:12.4	+02:45:32	600	90	1.5	#178 Low Mass	4	
0105.COMP	10	10:22	13:15:12.4	+02:45:32	600	90	1.5	0 Calibration	4	
0106.j1319p20	389	10:25	13:19:17.4	+20:57:16	600	90	1.5	#178 Low Mass	4	seeing trying to get better....

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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>
0107.COMP	10	10:32	13:19:17.4	+20:57:16	600	90	1.5	0 Calibration	4	
0108.j1308p57	1600	10:34	13:08:48.6	+57:54:37	600	90	1.5	#178 Low Mass	4	
0109.COMP	10	11:02	13:08:48.6	+57:54:37	600	90	1.5	0 Calibration	4	
0110.j1316p53	1800	11:04	13:16:40.1	+53:27:18	600	90	1.5	#178 Low Mass	4	
0111.COMP	10	11:34	13:16:40.1	+53:27:18	600	90	1.5	0 Calibration	4	
0112.j1700p79	1800	11:38	17:00:09.1	+79:08:30	600	105	1.5	#178 Low Mass	4	
0113.COMP	10	12:09	17:00:09.1	+79:08:30	600	104	1.5	0 Calibration	4	
0114.BDp332642	150	12:12	15:51:59.9	+32:56:54	600	90	1.5	#56 Spectropho	4	
0115.COMP	10	12:15	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0116-0125.BIAS	0	12:18	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0126-0135.FLAT	12	12:23	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0136-0145.BIAS	0	12:26	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	2	
0146-0155.DARK	900	14:47	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	

UT Date 2016-04-04 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	01:55	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0011-0020.BIAS	0	02:20	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0021-0040.FLAT	7	02:36	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:39	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0051.snASASSN-16cs	1800	02:43	06:50:36.7	+31:06:45	300	90	3.0	#220 ASASSN Tr	2	Great seeing.
0052.COMP	10	03:14	06:50:36.7	+31:06:45	300	90	3.0	0 Calibration	2	
0053.HD84937	25	03:16	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0054.COMP	10	03:17	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0055.Feige34	120	03:19	10:39:36.7	+43:06:09	300	87	3.0	#56 Spectropho	2	
0056.COMP	10	03:22	10:39:36.7	+43:06:09	300	87	3.0	0 Calibration	2	
0057.N3377	240	03:24	10:47:42.4	+13:59:08	300	87	3.0	#57 Velocity S	2	Great seeing.
0058.COMP	10	03:28	10:47:42.4	+13:59:08	300	87	3.0	0 Calibration	2	
0059.23187	900	03:36	07:52:47.6	+54:52:03	300	21	5.0	#223 NEOWISE N	2	
0060.COMP	5	03:52	07:52:47.6	+54:52:03	300	21	5.0	0 Calibration	2	
0061.7350	1200	03:58	09:27:05.3	+55:25:11	300	0	5.0	#223 NEOWISE N	2	
0062.COMP	5	04:18	09:27:05.3	+55:25:11	300	0	5.0	0 Calibration	2	
0063.HD78660	20	04:21	09:09:53.9	+14:27:24	300	0	5.0	#223 NEOWISE N	2	
0064.COMP	5	04:22	09:09:53.9	+14:27:24	300	0	5.0	0 Calibration	2	
0065.HD84937	20	04:24	09:48:56.1	+13:44:39	300	0	5.0	#223 NEOWISE N	2	Gret seeing.
0066.COMP	5	04:25	09:48:56.1	+13:44:39	300	0	5.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.FLAT	5	04:26	09:48:56.1	+13:44:39	300	0	5.0	0 Calibration	2	Great seeing continues
0068-0076.FLAT	5	04:28	09:48:56.1	+13:44:39	300	0	5.0	0 Calibration	2	
0077.23187	1500	04:34	07:53:08.8	+54:53:33	300	0	5.0	#223 NEOWISE N	2	GG-495 blocking filter
0078.COMP	5	05:00	07:53:08.8	+54:53:33	300	0	5.0	0 Calibration	2	GG-495 blocking filter
0079.7350	1200	05:02	09:27:46.4	+55:21:56	300	0	5.0	#223 NEOWISE N	2	GG-495 blocking filter
0080.COMP	5	05:22	09:27:46.4	+55:21:56	300	0	5.0	0 Calibration	2	GG-495 blocking filter
0081.HD78660	20	05:25	09:09:53.9	+14:27:24	300	0	5.0	#223 NEOWISE N	2	GG-495 blocking filter
0082.COMP	5	05:26	09:09:53.9	+14:27:24	300	0	5.0	0 Calibration	2	GG-495 blocking filter
0083.HD84937	20	05:28	09:48:56.1	+13:44:39	300	0	5.0	#223 NEOWISE N	2	GG-495 blocking filter
0084.COMP	5	05:29	09:48:56.1	+13:44:39	300	0	5.0	0 Calibration	2	GG-495 blocking filter
0085.FLAT	5	05:31	09:48:56.1	+13:44:39	300	90	5.0	0 Calibration	2	GG-495 blocking filter
0086-0094.FLAT	5	05:34	09:48:56.1	+13:44:39	300	90	5.0	0 Calibration	2	
0095.sn2016aps	1800	06:20	10:19:02.2	+74:42:25	300	20	3.0	#2 SN Observat	2	
0096.sn2016aps	1800	06:50	10:19:02.2	+74:42:25	300	20	3.0	#2 SN Observat	2	
0097.sn2016aps	1800	07:20	10:19:02.2	+74:42:25	300	20	3.0	#2 SN Observat	2	
0098.COMP	10	07:50	10:19:02.2	+74:42:25	300	21	3.0	0 Calibration	2	
0099.sn2016bkv	1200	07:53	10:18:19.3	+41:25:39	300	109	3.0	#2 SN Observat	2	
0100.sn2016bkv	1200	08:13	10:18:19.3	+41:25:39	300	109	3.0	#2 SN Observat	2	
0101.sn2016bkv	1200	08:33	10:18:19.3	+41:25:39	300	109	3.0	#2 SN Observat	2	
0102.COMP	10	08:54	10:18:19.3	+41:25:39	300	110	3.0	0 Calibration	2	

UT Date 2016-04-04 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0103.snASASSN-16db	2400	08:58	11:09:25.9	+29:34:26	300	90	3.0	#220 ASASSN Tr	2	
0104.COMP	10	09:38	11:09:25.9	+29:34:26	300	90	3.0	0 Calibration	2	
0105.snASASSN-16aqz	1800	09:42	13:11:58.0	+14:33:58	300	60	3.0	#220 ASASSN Tr	2	
0106.COMP	10	10:13	13:11:58.0	+14:33:58	300	60	3.0	0 Calibration	2	
0107.snASASSN-16cy	1800	10:15	13:45:00.5	+61:16:49	300	90	3.0	#220 ASASSN Tr	2	
0108.COMP	10	10:46	13:45:00.5	+61:16:49	300	90	3.0	0 Calibration	2	
0109.sn2016axw	1800	10:50	14:27:18.4	-01:40:31	300	90	3.0	#2 SN Observat	2	
0110.COMP	10	11:21	14:27:18.4	-01:40:31	300	90	3.0	0 Calibration	2	
0111.BDp332642	120	11:24	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0112.COMP	10	11:26	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0113.BDp262606	80	11:28	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0114.COMP	10	11:30	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0115.N5866	240	11:32	15:06:29.5	+55:45:48	300	90	3.0	#57 Velocity S	2	
0116.COMP	10	11:36	15:06:29.5	+55:45:48	300	90	3.0	0 Calibration	2	
0117.AS210	5	11:40	16:51:20.3	-26:00:33	300	90	3.0	#12 Symbiotic	2	
0118.AS210	300	11:40	16:51:20.3	-26:00:33	300	90	3.0	#12 Symbiotic	2	
0119.COMP	10	11:46	16:51:20.3	-26:00:33	300	90	3.0	0 Calibration	2	
0120.Hen1341	12	11:48	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0121.Hen1341	30	11:49	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0122.Hen1341	60	11:50	17:08:36.0	-17:26:30	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>
0123.COMP	10	11:51	17:08:36.0	-17:26:30	300	90	3.0	0 Calibration	2	
0124.DracoC1	1200	11:54	17:19:58.0	+57:50:06	300	89	3.0	#12 Symbiotic	2	
0125.COMP	10	12:15	17:19:58.0	+57:50:06	300	89	3.0	0 Calibration	2	
0126-0135.BIAS	0	12:21	17:50:13.0	-06:42:30	300	89	3.0	0 Calibration	2	
0136-0155.FLAT	7	12:28	17:50:13.0	-06:42:30	300	89	3.0	0 Calibration	2	
0156-0165.DARK	900	14:48	17:50:13.0	-06:42:30	300	89	3.0	0 Calibration	2	

UT Date 2016-04-05 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	02:20	07:00:58.2	+27:09:27	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	02:26	07:00:58.2	+27:09:27	300	89	3.0	0 Calibration	2	
0026.05170487+5257522	1200	02:58	05:17:04.9	+52:57:52	300	89	3.0	#141 2MASS Red	2	
0027.COMP	10	03:18	05:17:04.9	+52:57:52	300	90	3.0	0 Calibration	2	
0028.HD84937	40	04:40	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0029.HD84937	40	04:41	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0030.HD84937	40	04:42	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0031.COMP	10	04:43	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0032.Feige34	200	04:45	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0033.Feige34	200	04:49	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0034.COMP	10	04:53	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0035.sn2016bkv	1200	04:55	10:18:19.3	+41:25:39	300	88	3.0	#2 SN Observat	2	
0036.sn2016bkv	1200	05:15	10:18:19.3	+41:25:39	300	88	3.0	#2 SN Observat	2	
0037.sn2016bkv	1200	05:35	10:18:19.3	+41:25:39	300	88	3.0	#2 SN Observat	2	
0038.sn2016bkv	1200	05:55	10:18:19.3	+41:25:39	300	88	3.0	#2 SN Observat	2	
0039.COMP	10	06:16	10:18:19.3	+41:25:39	300	88	3.0	0 Calibration	2	
0040.snASASSN-16db	1800	06:20	11:09:25.9	+29:34:26	300	88	3.0	#220 ASASSN Tr	2	
0041.COMP	10	06:50	11:09:25.9	+29:34:26	300	89	3.0	0 Calibration	2	
0042.snPSNmasterPGC054958	1800	07:31	15:23:33.0	+09:21:26	300	89	3.0	#2 SN Observat	2	
0043.COMP	10	08:03	15:23:33.0	+09:21:26	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.snPSNmasterPGC054958	1201	08:10	15:23:33.0	+09:21:26	300	89	3.0	#2 SN Observat	2	
0045.snPSNmasterPGC054958	1800	08:37	15:23:33.0	+09:21:26	300	89	3.0	#2 SN Observat	2	
0046.COMP	10	09:08	15:23:33.0	+09:21:26	300	88	3.0	0 Calibration	2	
0047.Feige34	200	09:10	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0048.Feige34	200	09:14	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0049.COMP	10	09:18	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0050.snASASSN-16dp	720	09:24	14:59:42.1	+04:05:07	300	90	3.0	#220 ASASSN Tr	2	
0051.snASASSN-16dp	720	09:37	14:59:42.1	+04:05:07	300	90	3.0	#220 ASASSN Tr	2	
0052.snASASSN-16dp	720	09:49	14:59:42.1	+04:05:07	300	90	3.0	#220 ASASSN Tr	2	
0053.COMP	10	10:01	14:59:42.1	+04:05:07	300	90	3.0	0 Calibration	2	
0054.BDp262606	100	10:14	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0055.BDp262606	100	10:16	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0056.COMP	10	10:18	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0057.BDp332642	150	10:20	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0058.BDp332642	150	10:22	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0059.COMP	10	10:25	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0060.17415027-1111248	1414	11:47	17:41:50.3	-11:11:25	300	90	3.0	#141 2MASS Red	2	
0061.COMP	10	12:11	17:41:50.3	-11:11:25	300	89	3.0	0 Calibration	2	
0062.HZ44	180	12:14	13:23:35.3	+36:07:59	300	89	3.0	#56 Spectropho	2	
0063.COMP	10	12:18	13:23:35.3	+36:07:59	300	90	3.0	0 Calibration	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0064-0073.BIAS	0	12:26	16:30:13.3	+21:29:23	300	90	3.0	0 Calibration	2	
0074-0088.FLAT	7	12:32	16:30:13.3	+21:29:23	300	90	3.0	0 Calibration	2	
0089-0093.DARK	1200	14:01	16:30:13.3	+21:29:23	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	01:50	16:30:13.3	+21:29:23	300	90	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:56	16:30:13.3	+21:29:23	300	90	3.0	0 Calibration	2	
0026-0030.DARK	1200	04:47	16:30:13.3	+21:29:23	300	90	3.0	0 Calibration	2	
0031.Feige34	240	06:01	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0032.COMP	10	06:06	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0033.HD84937	60	06:07	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0034.COMP	10	06:09	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0035.sn2016bkv	874	06:10	10:18:19.3	+41:25:39	300	90	3.0	#2 SN Observat	2	
0036.sn2016bkv	884	06:30	10:18:19.3	+41:25:39	300	89	3.0	#2 SN Observat	2	
0037.sn2016bkv	874	06:45	10:18:19.3	+41:25:39	300	89	3.0	#2 SN Observat	2	
0038.COMP	10	07:00	10:18:19.3	+41:25:39	300	89	3.0	0 Calibration	2	
0039.Feige34	200	08:42	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0040.COMP	10	08:46	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0041.snPSNmasterPGC054958	1200	08:49	15:23:33.0	+09:21:26	300	90	3.0	#2 SN Observat	2	
0042.snPSNmasterPGC054958	1200	09:09	15:23:33.0	+09:21:26	300	90	3.0	#2 SN Observat	2	
0043.snPSNmasterPGC054958	1200	09:30	15:23:33.0	+09:21:26	300	90	3.0	#2 SN Observat	2	
0044.COMP	10	09:50	15:23:33.0	+09:21:26	300	89	3.0	0 Calibration	2	
0045.Feige34	200	09:54	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0046.Feige34	200	09:59	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0047.COMP	10	10:03	10:39:36.7	+43:06:09	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
0048.BDp332642	120	10:06	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0049.COMP	10	10:08	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0050.Feige34.ADCOFF	200	10:10	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0051.COMP	10	10:14	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0052.BDp332642.ADCOFF	120	10:17	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0053.COMP	10	10:19	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0054.BDp262606	90	10:22	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0055.COMP	10	10:24	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0056.17333667-1632035	1200	10:37	17:33:36.7	-16:32:04	300	90	3.0	#141 2MASS Red	2	
0057.COMP	10	10:57	17:33:36.7	-16:32:04	300	89	3.0	0 Calibration	2	
0058.17262720-1816525	1500	11:04	17:26:27.2	-18:16:53	300	89	3.0	#141 2MASS Red	2	
0059.COMP	10	11:29	17:26:27.2	-18:16:53	300	89	3.0	0 Calibration	2	
0060.17165956-2338068	1500	11:31	17:16:59.6	-23:38:07	300	90	3.0	#141 2MASS Red	2	
0061.COMP	10	11:56	17:16:59.6	-23:38:07	300	90	3.0	0 Calibration	2	
0062.AS338	600	11:59	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0063.AS338	90	12:10	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0064.COMP	10	12:12	19:03:47.0	+16:26:17	300	90	3.0	0 Calibration	2	
0065-0074.BIAS	0	12:16	19:03:47.0	+16:26:17	300	89	3.0	0 Calibration	2	
0075-0089.FLAT	7	12:22	19:03:47.0	+16:26:17	300	89	3.0	0 Calibration	2	
0090-0094.DARK	1200	13:49	19:03:47.0	+16:26:17	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.DARK	900	02:23	00:00:00.0	+00:00:00	300	89	3.0	0 Calibration	4	
0011-0020.BIAS	0	02:40	00:00:00.0	+00:00:00	300	89	3.0	0 Calibration	4	
0021-0040.FLAT	7	02:48	00:00:00.0	+00:00:00	300	89	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:54	00:00:00.0	+00:00:00	300	89	3.0	0 Calibration	2	
0051.HD84937	25	03:16	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0052.COMP	10	03:17	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0053.Feige34	120	03:21	10:39:36.7	+43:06:09	300	67	3.0	#56 Spectropho	2	@ parallactic angle
0054.COMP	10	03:24	10:39:36.7	+43:06:09	300	67	3.0	0 Calibration	2	
0055.sn2016bkv	1200	03:28	10:18:19.3	+41:25:39	300	31	3.0	#2 SN Observat	2	@ parallactic angle
0056.sn2016bkv	1200	03:48	10:18:19.3	+41:25:39	300	30	3.0	#2 SN Observat	2	some clodus repeat exp
0057.sn2016bkv	1200	04:08	10:18:19.3	+41:25:39	300	30	3.0	#2 SN Observat	2	
0058.sn2016bkv	1200	04:31	10:18:19.3	+41:25:39	300	30	3.0	#2 SN Observat	2	
0059.COMP	10	04:51	10:18:19.3	+41:25:39	300	30	3.0	0 Calibration	2	
0060.Feige34	120	04:54	10:39:36.7	+43:06:09	300	1	3.0	#56 Spectropho	2	
0061.COMP	10	04:56	10:39:36.7	+43:06:09	300	1	3.0	0 Calibration	2	
0062.HD84937	20	05:06	09:48:56.1	+13:44:39	600	90	3.0	#99 Northern B	2	
0063.HD84937	40	05:08	09:48:56.1	+13:44:39	600	90	3.0	#99 Northern B	2	
0064.COMP	20	05:10	09:48:56.1	+13:44:39	600	90	3.0	0 Calibration	2	
0065.muLeo	1	05:12	09:52:45.8	+26:00:25	600	90	3.0	#99 Northern B	2	
0066.muLeo	0	05:13	09:52:45.8	+26:00:25	600	90	3.0	#99 Northern B	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>
0067.muLeo	5	05:13	09:52:45.8	+26:00:25	600	90	3.0	#99 Northern B	2	
0068.COMP	20	05:14	09:52:45.8	+26:00:25	600	90	3.0	0 Calibration	2	
0069.betVir	0	05:16	11:50:41.7	+01:45:53	600	90	3.0	#99 Northern B	2	
0070.betVir	2	05:17	11:50:41.7	+01:45:53	600	90	3.0	#99 Northern B	2	
0071.COMP	20	05:18	11:50:41.7	+01:45:53	600	90	3.0	0 Calibration	2	
0072.epsVir	0	05:20	13:02:10.6	+10:57:33	600	90	3.0	#99 Northern B	2	
0073.epsVir	1	05:20	13:02:10.6	+10:57:33	600	90	3.0	#99 Northern B	2	
0074.COMP	20	05:21	13:02:10.6	+10:57:33	600	90	3.0	0 Calibration	2	
0075-0084.FLAT	20	05:27	13:02:10.6	+10:57:33	600	90	3.0	0 Calibration	2	
0085.he1346	900	05:42	13:48:48.4	-06:47:21	600	-27	1.5	#178 Low Mass	4	
0086.COMP	10	05:58	13:48:48.4	-06:47:21	600	-27	1.5	0 Calibration	4	
0087.he1346	900	05:58	13:48:48.4	-06:47:21	600	-27	1.5	#178 Low Mass	4	
0088.COMP	10	06:14	13:48:48.4	-06:47:21	600	-27	1.5	0 Calibration	4	
0089.he1346	900	06:14	13:48:48.4	-06:47:21	600	-28	1.5	#178 Low Mass	4	
0090.COMP	10	06:30	13:48:48.4	-06:47:21	600	-28	1.5	0 Calibration	4	
0091.he1346	900	06:31	13:48:48.4	-06:47:21	600	-28	1.5	#178 Low Mass	4	
0092.COMP	10	06:46	13:48:48.4	-06:47:21	600	-28	1.5	0 Calibration	4	
0093.he1346	900	06:47	13:48:48.4	-06:47:21	600	-28	1.5	#178 Low Mass	4	
0094.COMP	10	07:02	13:48:48.4	-06:47:21	600	-28	1.5	0 Calibration	4	
0095.he1346	900	07:04	13:48:48.4	-06:47:21	600	-28	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0096.COMP	10	07:19	13:48:48.4	-06:47:21	600	-28	1.5	0 Calibration	4	
0097.he1346	900	07:21	13:48:48.4	-06:47:21	600	-28	1.5	#178 Low Mass	4	
0098.COMP	10	07:38	13:48:48.4	-06:47:21	600	-28	1.5	0 Calibration	4	
0099.he1346	900	07:39	13:48:48.4	-06:47:21	600	0	1.5	#178 Low Mass	4	
0100.COMP	10	07:55	13:48:48.4	-06:47:21	600	0	1.5	0 Calibration	4	
0101.he1346	900	07:56	13:48:48.4	-06:47:21	600	0	1.5	#178 Low Mass	4	
0102.COMP	10	08:11	13:48:48.4	-06:47:21	600	0	1.5	0 Calibration	4	
0103.he1346	900	08:12	13:48:48.4	-06:47:21	600	0	1.5	#178 Low Mass	4	
0104.COMP	10	08:28	13:48:48.4	-06:47:21	600	0	1.5	0 Calibration	4	
0105.he1346	900	08:29	13:48:48.4	-06:47:21	600	0	1.5	#178 Low Mass	4	
0106.COMP	10	08:44	13:48:48.4	-06:47:21	600	0	1.5	0 Calibration	4	
0107.he1346	900	08:45	13:48:48.4	-06:47:21	600	20	1.5	#178 Low Mass	4	
0108.COMP	10	09:01	13:48:48.4	-06:47:21	600	20	1.5	0 Calibration	4	
0109.he1346	900	09:01	13:48:48.4	-06:47:21	600	20	1.5	#178 Low Mass	4	
0110.COMP	10	09:17	13:48:48.4	-06:47:21	600	20	1.5	0 Calibration	4	
0111.he1346	900	09:18	13:48:48.4	-06:47:21	600	20	1.5	#178 Low Mass	4	
0112.COMP	10	09:33	13:48:48.4	-06:47:21	600	20	1.5	0 Calibration	4	
0113.BDp262606	90	09:35	14:49:02.4	+25:42:09	600	89	1.5	#56 Spectropho	4	
0114.COMP	10	09:37	14:49:02.4	+25:42:09	600	89	1.5	0 Calibration	4	
0115.BDp332642	120	09:39	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0116.COMP	10	09:41	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0117-0126.FLAT	12	09:46	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0127.LSPMJ1121+2126	1200	10:05	11:21:08.5	+21:26:27	600	90	2.0	#222 M dwarfs	2	
0128.COMP	10	10:25	11:21:08.5	+21:26:27	600	90	2.0	0 Calibration	2	
0129.LSPMJ1207+7715	720	10:28	12:07:57.9	+77:15:01	600	90	2.0	#222 M dwarfs	2	
0130.COMP	10	10:41	12:07:57.9	+77:15:01	600	90	2.0	0 Calibration	2	
0131.LSPMJ1359+2635	1500	10:46	13:59:35.3	+26:35:31	600	86	2.0	#222 M dwarfs	2	
0132.COMP	10	11:11	13:59:35.3	+26:35:31	600	85	2.0	0 Calibration	2	
0133.LSPMJ1501+8202	960	11:14	15:01:22.7	+82:02:25	600	85	2.0	#222 M dwarfs	2	
0134.COMP	10	11:30	15:01:22.7	+82:02:25	600	85	2.0	0 Calibration	2	
0135.LSPMJ1547+0149	1500	11:34	15:47:15.1	+01:49:22	600	46	2.0	#222 M dwarfs	2	
0136.COMP	10	12:00	15:47:15.1	+01:49:22	600	45	2.0	0 Calibration	2	
0137.LSPMJ1521+3404	300	12:05	15:21:55.4	+34:04:01	600	89	2.0	#222 M dwarfs	2	
0138.COMP	10	12:11	15:21:55.4	+34:04:01	600	89	2.0	0 Calibration	2	
0139.BDp262606	180	12:13	14:49:02.4	+25:42:09	600	89	2.0	#56 Spectropho	2	
0140.COMP	10	12:16	14:49:02.4	+25:42:09	600	89	2.0	0 Calibration	2	
0141-0150.FLAT	12	12:23	14:49:02.4	+25:42:09	600	89	2.0	0 Calibration	2	
0151-0160.BIAS	0	12:26	14:49:02.4	+25:42:09	600	89	2.0	0 Calibration	2	
0161-0170.DARK	900	14:46	14:49:02.4	+25:42:09	600	89	2.0	0 Calibration	2	

UT Date 2016-04-10 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	01:54	14:49:02.4	+25:42:09	600	89	2.0	0 Calibration	4	
0011-0020.BIAS	0	02:16	14:49:02.4	+25:42:09	600	89	2.0	0 Calibration	4	
0021-0030.FLAT	12	02:23	14:49:02.4	+25:42:09	600	89	2.0	0 Calibration	2	
0031-0040.BIAS	0	02:31	14:49:02.4	+25:42:09	600	89	2.0	0 Calibration	2	
0041.HD84937	25	02:47	09:48:56.1	+13:44:39	600	89	2.0	#56 Spectropho	2	
0042.COMP	10	02:48	09:48:56.1	+13:44:39	600	89	2.0	0 Calibration	2	
0043.LSPMJ0856+4336	1320	02:51	08:56:30.4	+43:36:03	600	89	2.0	#222 M dwarfs	2	
0044.COMP	10	03:13	08:56:30.4	+43:36:03	600	90	2.0	0 Calibration	2	
0045.LSPMJ0858+0758	1800	03:16	08:58:34.8	+07:58:56	600	90	2.0	#222 M dwarfs	2	
0046.COMP	10	03:46	08:58:34.8	+07:58:56	600	89	2.0	0 Calibration	2	
0047.LSPMJ0900+2150	1200	03:48	09:00:23.6	+21:50:05	600	89	2.0	#222 M dwarfs	2	
0048.COMP	10	04:09	09:00:23.6	+21:50:05	600	90	2.0	0 Calibration	2	
0049.LSPMJ0916+2908	480	04:11	09:16:07.6	+29:08:15	600	90	2.0	#222 M dwarfs	2	
0050.COMP	10	04:19	09:16:07.6	+29:08:15	600	89	2.0	0 Calibration	2	
0051.LSPMJ0917+5601	1320	04:21	09:17:27.3	+56:01:18	600	89	2.0	#222 M dwarfs	2	
0052.COMP	10	04:43	09:17:27.3	+56:01:18	600	87	2.0	0 Calibration	2	
0053.LSPMJ0957+1148	420	04:45	09:57:58.0	+11:48:29	600	87	2.0	#222 M dwarfs	2	
0054.COMP	10	04:53	09:57:58.0	+11:48:29	600	90	2.0	0 Calibration	2	
0055.LSPMJ1003+5154	1800	04:55	10:03:46.1	+51:54:48	600	90	2.0	#222 M dwarfs	2	
0056.COMP	10	05:26	10:03:46.1	+51:54:48	600	89	2.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.LSPMJ1013+4647	1500	05:28	10:13:21.0	+46:47:26	600	89	2.0	#222 M dwarfs	2	
0058.COMP	10	05:53	10:13:21.0	+46:47:26	600	89	2.0	0 Calibration	2	
0059.LSPMJ1053+4155	1500	05:55	10:53:10.5	+41:55:39	600	89	2.0	#222 M dwarfs	2	
0060.COMP	10	06:21	10:53:10.5	+41:55:39	600	89	2.0	0 Calibration	2	
0061.LSPMJ1105+3213	1500	06:22	11:05:33.5	+32:13:53	600	89	2.0	#222 M dwarfs	2	
0062.COMP	10	06:48	11:05:33.5	+32:13:53	600	88	2.0	0 Calibration	2	
0063-0082.FLAT	7	07:04	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0083.HD84937	25	07:28	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0084.COMP	10	07:29	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0085.Feige34	120	07:31	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	adc on, 1.2 airmass, rotator = 90
0086.COMP	10	07:34	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0087.sn2016bkv	1500	07:40	10:18:19.3	+41:25:39	300	89	3.0	#2 SN Observat	2	@ parallactic angle
0088.sn2016bkv	1500	08:05	10:18:19.3	+41:25:39	300	89	3.0	#2 SN Observat	2	abort remaining exp for clouds
0089.COMP	10	08:31	10:18:19.3	+41:25:39	300	89	3.0	0 Calibration	2	
0090.Feige34	150	09:01	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	1.6 airmass, adc on
0091.COMP	10	09:05	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0092.Feige34	150	09:09	10:39:36.7	+43:06:09	300	80	3.0	#56 Spectropho	2	1.6 airmass, adc off, at parallactic=80
0093.Feige34	150	09:13	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	adc off, 1.64, rotator = 90
0094.Feige34	150	09:19	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	adc on, 1.68, rotator = 90
0095.COMP	10	09:22	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
0096.Feige34	150	09:26	10:39:36.7	+43:06:09	300	75	3.0	#56 Spectropho	2	adc off, 1.7, at parallactic = 75
0097.COMP	10	09:29	10:39:36.7	+43:06:09	300	75	3.0	0 Calibration	2	
0098.snASASSN-16db	2100	09:44	11:09:25.9	+29:34:26	300	71	3.0	#220 ASASSN Tr	2	
0099.COMP	10	10:20	11:09:25.9	+29:34:26	300	70	3.0	0 Calibration	2	shoot, lost pnting trying to go to Feige34
0100.BDp262606	90	11:17	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0101.COMP	10	11:19	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0102.BDp332642	120	11:21	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0103.COMP	10	11:24	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0104.17041772-2703262	1500	11:28	17:04:17.7	-27:03:26	300	81	3.0	#141 2MASS Red	2	row=77-91
0105.COMP	10	11:53	17:04:17.7	-27:03:26	300	81	3.0	0 Calibration	2	
0106-0115.BIAS	0	12:20	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0116-0135.FLAT	7	12:31	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0136-0145.DARK	900	14:52	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:40	07:53:27.3	+52:29:32	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:46	07:53:27.3	+52:29:32	300	89	3.0	0 Calibration	2	
0026.HD84937	30	02:27	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0027.HD84937.ADCOFF	30	02:32	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0028.COMP	10	02:34	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0029.G192B2B.ADCOFF	200	02:37	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0030.G191B2B	200	02:42	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0031.COMP	10	02:46	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0032.sn2016bkv	1200	02:50	10:18:19.3	+41:25:39	300	75	3.0	#2 SN Observat	2	
0033.COMP	10	03:18	10:18:19.3	+41:25:39	300	75	3.0	0 Calibration	2	
0034.Feige34.ADCOFF	180	03:22	10:39:36.7	+43:06:09	300	75	3.0	#56 Spectropho	2	
0035.Feige34	180	03:26	10:39:36.7	+43:06:09	300	75	3.0	#56 Spectropho	2	
0036.COMP	10	03:29	10:39:36.7	+43:06:09	300	75	3.0	0 Calibration	2	
0037.sn2016bkv	1200	03:31	10:18:19.3	+41:25:39	300	75	3.0	#2 SN Observat	2	
0038.COMP	10	04:01	10:18:19.3	+41:25:39	300	15	3.0	0 Calibration	2	
0039-0048.BIAS	0	11:08	10:18:19.3	+41:25:39	300	15	3.0	0 Calibration	2	
0049-0063.FLAT	7	11:14	10:18:19.3	+41:25:39	300	15	3.0	0 Calibration	2	