

UT Date 2013-01-03 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0005-0009.DARK	900	00:18	22:43:35.5	+31:26:13	300	89	3.0	0 Calibration	4	
0010-0019.BIAS	0	00:51	22:43:35.5	+31:26:13	300	89	3.0	0 Calibration	4	
0020-0039.FLAT	7	00:59	22:43:35.5	+31:26:13	300	89	3.0	0 Calibration	2	
0040-0050.BIAS	0	01:02	22:43:35.5	+31:26:13	300	89	3.0	0 Calibration	2	
0051.PUVu1	1	01:42	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0052.PUVu1	10	01:43	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0053.PUVu1	60	01:43	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0054.COMP	10	01:45	20:21:13.0	+21:34:21	300	90	3.0	0 Calibration	2	
0055.ZAnd	1	01:48	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0056.ZAnd	5	01:49	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0057.ZAnd	30	01:50	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0058.COMP	10	01:52	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0059.RAqr	1	01:55	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0060.RAqr	5	01:55	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0061.RAqr	10	01:56	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0062.COMP	10	02:01	23:43:49.0	-15:17:05	300	90	3.0	0 Calibration	2	
0063.EGAnd	1	02:04	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0064.EGAnd	5	02:04	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0065.EGAnd	10	02:05	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0066.COMP	10	02:05	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	

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0067.AXPer	4	02:08	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0068.AXPer	30	02:08	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0069.AXPer	90	02:09	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0070.COMP	10	02:12	01:36:23.0	+54:15:03	300	88	3.0	0 Calibration	2	
0071.BDp284211	150	02:15	21:51:11.0	+28:51:50	300	88	3.0	#56 Spectropho	2	
0072.COMP	10	02:18	21:51:11.0	+28:51:50	300	88	3.0	0 Calibration	2	
0073.BDp174708	50	02:22	22:11:31.4	+18:05:34	300	88	3.0	#56 Spectropho	2	
0074.COMP	10	02:23	22:11:31.4	+18:05:34	300	88	3.0	0 Calibration	2	
0075.M31	60	02:25	00:42:44.3	+41:16:09	300	88	3.0	#57 Velocity S	2	
0076.COMP	10	02:27	00:42:44.3	+41:16:09	300	88	3.0	0 Calibration	2	
0077.04061052+2923379	2400	02:36	04:06:10.5	+29:23:38	300	88	3.0	#141 2Mass Red	2	
0078.COMP	10	03:16	04:06:10.5	+29:23:38	300	87	3.0	0 Calibration	2	
0079.04070844+3000280	2400	03:23	04:07:08.4	+30:00:28	300	87	3.0	#141 2Mass Red	2	
0080.COMP	10	04:04	04:07:08.4	+30:00:28	300	88	3.0	0 Calibration	2	
0081.GITau	240	04:07	04:33:34.0	+24:21:18	300	88	3.0	#12 Symbiotic	2	
0082.COMP	10	04:12	04:33:34.0	+24:21:18	300	88	3.0	0 Calibration	2	
0083.GKTau	240	04:13	04:33:34.5	+24:21:07	300	88	3.0	#12 Symbiotic	2	
0084.COMP	10	04:17	04:33:34.5	+24:21:07	300	88	3.0	0 Calibration	2	
0085.sn2012fr	1800	04:22	03:33:36.0	-36:07:38	300	88	3.0	#2 SN Observat	2	
0086.COMP	10	04:52	03:33:36.0	-36:07:38	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
0087.04071967+2936163	2400	04:57	04:07:19.7	+29:36:16	300	76	3.0	#141 2Mass Red	2	
0088.COMP	10	05:38	04:07:19.7	+29:36:16	300	74	3.0	0 Calibration	2	
0089.04074230+3019495	1200	05:39	04:07:42.3	+30:19:50	300	89	3.0	#141 2Mass Red	2	
0090.COMP	10	06:00	04:07:42.3	+30:19:50	300	90	3.0	0 Calibration	2	
0091.04103127+2948091	1200	06:02	04:10:31.3	+29:48:09	300	85	3.0	#141 2Mass Red	2	
0092.COMP	10	06:22	04:10:31.3	+29:48:09	300	85	3.0	0 Calibration	2	
0093.04112790+1703592	1500	06:23	04:11:27.9	+17:03:59	300	85	3.0	#141 2Mass Red	2	
0094.COMP	10	06:49	04:11:27.9	+17:03:59	300	85	3.0	0 Calibration	2	
0095.BGGem	300	06:51	06:03:31.0	+27:41:50	300	84	3.0	#12 Symbiotic	2	
0096.BGGem	600	06:56	06:03:31.0	+27:41:50	300	84	3.0	#12 Symbiotic	2	
0097.COMP	10	07:06	06:03:31.0	+27:41:50	300	85	3.0	0 Calibration	2	
0098.04554328+2528043	2400	07:08	04:55:43.3	+25:28:04	300	89	3.0	#141 2Mass Red	2	
0099.COMP	10	07:48	04:55:43.3	+25:28:04	300	89	3.0	0 Calibration	2	
0100.04564083+0529088	480	07:51	04:56:40.8	+05:29:09	300	89	3.0	#141 2Mass Red	2	
0101.COMP	10	07:59	04:56:40.8	+05:29:09	300	89	3.0	0 Calibration	2	
0102.sn2012hg	2700	08:03	07:07:25.6	+56:18:19	300	41	3.0	#2 SN Observat	2	
0103.COMP	10	08:48	07:07:25.6	+56:18:19	300	41	3.0	0 Calibration	2	
0104.SS129	300	08:53	07:32:45.0	-26:49:16	300	71	3.0	#12 Symbiotic	2	
0105.SS129	300	08:58	07:32:45.0	-26:49:16	300	71	3.0	#12 Symbiotic	2	
0106.COMP	10	09:04	07:32:45.0	-26:49:16	300	71	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0107.BXMon	15	09:06	07:25:23.0	-03:35:51	300	89	3.0	#12 Symbiotic	2	
0108.BXMon	180	09:07	07:25:23.0	-03:35:51	300	89	3.0	#12 Symbiotic	2	
0109.COMP	10	09:10	07:25:23.0	-03:35:51	300	89	3.0	0 Calibration	2	
0110.07525093+0859201	360	09:13	07:52:50.9	+08:59:20	300	89	3.0	#141 2Mass Red	2	
0111.COMP	10	09:19	07:52:50.9	+08:59:20	300	89	3.0	0 Calibration	2	
0112.07543402+2003426	780	09:21	07:54:34.0	+20:03:43	300	89	3.0	#141 2Mass Red	2	
0113.COMP	10	09:35	07:54:34.0	+20:03:43	300	89	3.0	0 Calibration	2	
0114.06061262+0958190	2400	09:40	06:06:12.6	+09:58:19	300	75	3.0	#141 2Mass Red	2	
0115.COMP	10	10:20	06:06:12.6	+09:58:19	300	75	3.0	0 Calibration	2	
0116.06063054+3148331	2400	10:22	06:06:30.5	+31:48:33	300	89	3.0	#141 2Mass Red	2	
0117.COMP	10	11:03	06:06:30.5	+31:48:33	300	90	3.0	0 Calibration	2	
0118.sn2012ht	720	11:08	10:53:22.8	+16:46:35	300	90	3.0	#2 SN Observat	2	
0119.COMP	10	11:23	10:53:22.8	+16:46:35	300	90	3.0	0 Calibration	2	
0120.HD84937	20	11:26	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0121.COMP	10	11:27	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0122.Feige34	150	11:28	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0123.COMP	10	11:31	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0124.sn2012hj	2700	11:33	11:07:19.2	+46:22:46	300	89	3.0	#2 SN Observat	2	
0125.COMP	10	12:19	11:07:19.2	+46:22:46	300	88	3.0	0 Calibration	2	
0126.psn1140	2400	12:22	11:40:15.8	+17:27:22	300	100	3.0	#2 SN Observat	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0127.COMP	10	13:02	11:40:15.8	+17:27:22	300	100	3.0	0 Calibration	2	
0128-0147.FLAT	7	13:16	11:40:15.8	+17:27:22	300	100	3.0	0 Calibration	2	
0148-0157.BIAS	0	13:20	11:40:15.8	+17:27:22	300	100	3.0	0 Calibration	2	
0158-0167.DARK	900	15:42	11:40:15.8	+17:27:22	300	100	3.0	0 Calibration	2	

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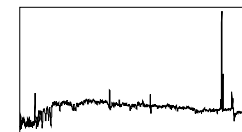
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:35	00:43:14.4	+41:07:21	300	100	3.0	0 Calibration	2	
0011-0023.FLAT	7	01:40	00:43:14.4	+41:07:21	300	100	3.0	0 Calibration	2	
0024.FLAT	7	01:40	00:43:14.4	+41:07:21	300	100	3.0	0 Calibration	2	stop and go through clouds
0025.FLAT	7	01:41	00:43:14.4	+41:07:21	300	100	3.0	0 Calibration	2	
0026.COMP	10	01:42	00:43:14.4	+41:07:21	300	100	3.0	0 Calibration	2	
0027.ZAnd	5	02:01	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0028.ZAnd	10	02:01	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0029.ZAnd	100	02:02	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0030.COMP	10	02:04	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0031.225m280	420	02:09	00:44:29.8	+41:21:25	300	90	3.0	#57 Velocity S	2	
0032.COMP	10	02:17	00:44:29.8	+41:21:25	300	90	3.0	0 Calibration	2	
0033.03180708+4659441	900	02:21	03:18:07.1	+46:59:44	300	90	3.0	#141 2Mass Red	2	beware star in slit east of galaxy
0034.COMP	10	02:37	03:18:07.1	+46:59:44	300	90	3.0	0 Calibration	2	
0035.03235736+5013085	1200	02:39	03:23:57.4	+50:13:09	300	89	3.0	#141 2Mass Red	2	
0036.COMP	10	02:59	03:23:57.4	+50:13:09	300	89	3.0	0 Calibration	2	
0037.psn022204p3213	1800	03:02	02:22:04.3	+32:13:58	300	89	3.0	#2 SN Observat	2	
0038.COMP	10	03:33	02:22:04.3	+32:13:58	300	90	3.0	0 Calibration	2	
0039.03283850+4717140	900	03:35	03:28:38.5	+47:17:14	300	90	3.0	#141 2Mass Red	2	
0040.COMP	10	03:50	03:28:38.5	+47:17:14	300	89	3.0	0 Calibration	2	
0041.03293124+4930223	900	03:52	03:29:31.2	+49:30:22	300	70	3.0	#141 2Mass Red	2	scattered light from nearby bright star

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0042.COMP	10	04:07	03:29:31.2	+49:30:22	300	71	3.0	0 Calibration	2	
0043.sn2012fr	1285	04:11	03:33:36.0	-36:07:38	300	90	3.0	#2 SN Observat	2	
0044.COMP	10	04:33	03:33:36.0	-36:07:38	300	90	3.0	0 Calibration	2	
0045.04211062+3526468	1200	05:56	04:21:10.6	+35:26:47	300	90	3.0	#141 2Mass Red	2	
0046.COMP	10	06:17	04:21:10.6	+35:26:47	300	89	3.0	0 Calibration	2	
0047.04222984+1407453	1200	06:19	04:22:29.8	+14:07:45	300	89	3.0	#141 2Mass Red	2	
0048.COMP	10	06:40	04:22:29.8	+14:07:45	300	90	3.0	0 Calibration	2	
0049.COMP	10	08:08	08:59:30.7	+44:54:50	300	8	3.0	0 Calibration	2	
0050.NGC2712	720	08:09	08:59:30.7	+44:54:50	300	8	3.0	#199 Optical n	2	
0051.NGC2712	720	08:21	08:59:30.7	+44:54:50	300	8	3.0	#199 Optical n	2	
0052.NGC2712	720	08:33	08:59:30.7	+44:54:50	300	8	3.0	#199 Optical n	2	
0053.COMP	10	08:46	08:59:30.7	+44:54:50	300	8	3.0	0 Calibration	2	
0054.COMP	10	08:54	08:13:14.7	+45:59:22	300	-43	3.0	0 Calibration	2	
0055.NGC2537	1200	08:55	08:13:14.7	+45:59:22	300	-43	3.0	#199 Optical n	2	
0056.NGC2537	1200	09:15	08:13:14.7	+45:59:22	300	-43	3.0	#199 Optical n	2	
0057.NGC2537	1200	09:35	08:13:14.7	+45:59:22	300	-43	3.0	#199 Optical n	2	
0058.COMP	10	09:56	08:13:14.7	+45:59:22	300	-43	3.0	0 Calibration	2	
0059.HD84937	20	10:00	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0060.HD84937	20	10:00	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0061.COMP	10	10:01	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	

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0062.sn2012ht	1200	10:04	10:53:22.8	+16:46:35	300	90	3.0	#2 SN Observat	2	
0063.COMP	10	10:24	10:53:22.8	+16:46:35	300	90	3.0	0 Calibration	2	
0064.Feige34	180	10:58	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0065.COMP	10	11:02	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0066.psn1140	1758	11:04	11:40:15.8	+17:27:22	300	89	3.0	#2 SN Observat	2	
0067.COMP	10	11:34	11:40:15.8	+17:27:22	300	90	3.0	0 Calibration	2	
0068-0077.BIAS	0	12:23	11:40:15.8	+17:27:22	300	90	3.0	0 Calibration	2	
0078-0092.FLAT	7	12:29	11:40:15.8	+17:27:22	300	90	3.0	0 Calibration	2	
0093-0097.DARK	1200	13:55	11:40:15.8	+17:27:22	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	23:56	11:40:15.8	+17:27:22	300	90	3.0	0 Calibration	4	
0011-0020.BIAS	0	00:01	11:40:15.8	+17:27:22	300	90	3.0	0 Calibration	2	
0021.test	10	00:18	01:18:32.0	+63:44:33	1200	90	2.0	#176 Be/X-ray	2	
0022.test	10	00:20	01:18:32.0	+63:44:33	1200	90	2.0	#176 Be/X-ray	2	
0023-0027.BIAS	0	00:21	01:18:32.0	+63:44:33	1200	90	2.0	0 Calibration	2	
0028.FLAT	15	00:23	01:18:32.0	+63:44:33	1200	90	2.0	0 Calibration	2	1200-line, 2-sec, gg495, tilt 850 red
0029-0042.FLAT	15	00:30	01:18:32.0	+63:44:33	1200	90	2.0	0 Calibration	2	
0043.COMP	10	00:32	01:18:32.0	+63:44:33	1200	90	2.0	0 Calibration	2	
0045.BDp174708	90	01:25	22:11:31.5	+18:05:34	1200	90	2.0	#176 Be/X-ray	2	
0046.COMP	10	01:27	22:11:31.5	+18:05:34	1200	90	2.0	0 Calibration	2	
0047.4U2204p543	120	01:29	22:07:57.0	+54:31:06	1200	90	2.0	#176 Be/X-ray	2	
0048.COMP	10	01:31	22:07:57.0	+54:31:06	1200	90	2.0	0 Calibration	2	
0049.IGRJ2134.2p4738	1500	01:32	21:34:20.4	+47:38:00	1200	90	2.0	#176 Be/X-ray	2	
0050.COMP	10	01:58	21:34:20.4	+47:38:00	1200	90	2.0	0 Calibration	2	
0051.IGR2253p6243	1500	01:59	22:53:55.1	+62:43:37	1200	90	2.0	#176 Be/X-ray	2	
0052.COMP	10	02:25	22:53:55.1	+62:43:37	1200	90	2.0	0 Calibration	2	
0053.HD19445	30	02:27	03:08:26.3	+26:20:29	1200	90	2.0	#176 Be/X-ray	2	
0054.HD19445	30	02:28	03:08:26.3	+26:20:29	1200	90	2.0	#176 Be/X-ray	2	
0055.COMP	10	02:29	03:08:26.3	+26:20:29	1200	90	2.0	0 Calibration	2	
0056.COMP	10	02:34	22:53:55.1	+62:43:37	1200	90	1.5	0 Calibration	2	1200-line, 1.5-sec, tilt 150 blue

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0057.IGR2253p6243.blue	900	02:35	22:53:55.1	+62:43:37	1200	90	1.5	#176 Be/X-ray	2	
0058.IGR2253p6243.blue	900	02:51	22:53:55.1	+62:43:37	1200	90	1.5	#176 Be/X-ray	2	
0059.COMP	10	03:06	22:53:55.1	+62:43:37	1200	90	1.5	0 Calibration	2	
0060.IGR2253p6243.blue	900	03:06	22:53:55.1	+62:43:37	1200	90	1.5	#176 Be/X-ray	2	
0061.IGR2253p6243.blue	900	03:22	22:53:55.1	+62:43:37	1200	90	1.5	#176 Be/X-ray	2	
0062.COMP	10	03:37	22:53:55.1	+62:43:37	1200	90	1.5	0 Calibration	2	
0063.IGR2253p6243.blue	900	03:38	22:53:55.1	+62:43:37	1200	90	1.5	#176 Be/X-ray	2	
0064.IGR2253p6243.blue	900	03:53	22:53:55.1	+62:43:37	1200	90	1.5	#176 Be/X-ray	2	
0065.COMP	10	04:08	22:53:55.1	+62:43:37	1200	89	1.5	0 Calibration	2	
0066.HD19445.blue	30	04:10	03:08:26.3	+26:20:29	1200	89	1.5	#176 Be/X-ray	2	
0067.HD19445.blue	30	04:11	03:08:26.3	+26:20:29	1200	89	1.5	#176 Be/X-ray	2	
0068.COMP	10	04:12	03:08:26.3	+26:20:29	1200	89	1.5	0 Calibration	2	
0069.XPer.blue	15	04:13	03:55:23.0	+31:02:45	1200	89	1.5	#176 Be/X-ray	2	
0070.COMP	10	04:14	03:55:23.0	+31:02:45	1200	89	1.5	0 Calibration	2	
0071-0075.FLAT	100	04:24	03:55:23.0	+31:02:45	1200	89	1.5	0 Calibration	2	
0076.test	10	04:29	04:30:00.0	+32:00:00	300	89	3.0	#176 Be/X-ray	2	
0077.test	10	04:31	04:30:00.0	+32:00:00	300	89	3.0	#176 Be/X-ray	2	
0078.FLAT	7	04:33	04:30:00.0	+32:00:00	300	89	3.0	0 Calibration	2	300-line, 3-sec
0079-0087.FLAT	7	04:36	04:30:00.0	+32:00:00	300	89	3.0	0 Calibration	2	
0088.04243742+1812255	1800	04:38	04:24:37.4	+18:12:25	300	89	3.0	#141 2Mass Red	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.COMP	10	05:08	04:24:37.4	+18:12:25	300	88	3.0	0 Calibration	2	
0090.04174066+2911207	1800	05:10	04:17:40.7	+29:11:21	300	88	3.0	#141 2Mass Red	2	
0091.COMP	10	05:41	04:17:40.7	+29:11:21	300	88	3.0	0 Calibration	2	
0092.04251987+1345222	1500	05:43	04:25:19.9	+13:45:22	300	89	3.0	#141 2Mass Red	2	
0093.COMP	10	06:08	04:25:19.9	+13:45:22	300	89	3.0	0 Calibration	2	
0094.04253042+1422472	900	06:09	04:25:30.4	+14:22:47	300	89	3.0	#141 2Mass Red	2	
0095.COMP	10	06:25	04:25:30.4	+14:22:47	300	90	3.0	0 Calibration	2	
0096.04255716+1343319	1500	06:26	04:25:57.2	+13:43:32	300	90	3.0	#141 2Mass Red	2	
0097.COMP	10	06:52	04:25:57.2	+13:43:32	300	90	3.0	0 Calibration	2	
0098.NGC2719	600	06:57	09:00:15.7	+35:43:40	300	110	3.0	#199 Optical n	2	
0099.NGC2719	600	07:07	09:00:15.7	+35:43:40	300	110	3.0	#199 Optical n	2	
0100.NGC2719	600	07:17	09:00:15.7	+35:43:40	300	110	3.0	#199 Optical n	2	
0101.COMP	10	07:28	09:00:15.7	+35:43:40	300	110	3.0	0 Calibration	2	
0102.NGC2719.companion	600	07:28	09:00:16.1	+35:43:13	300	110	3.0	#199 Optical n	2	
0103.NGC2719.companion	600	07:39	09:00:16.1	+35:43:13	300	110	3.0	#199 Optical n	2	
0104.NGC2719.companion	600	07:49	09:00:16.1	+35:43:13	300	110	3.0	#199 Optical n	2	
0105.COMP	10	07:59	09:00:16.1	+35:43:13	300	109	3.0	0 Calibration	2	
0106.BIAS	0	08:03	08:00:00.0	+32:00:00	600	91	1.5	0 Calibration	4	
0107.COMP	10	08:04	08:00:00.0	+32:00:00	600	91	1.5	0 Calibration	4	
0108.COMP	10	08:05	09:36:39.0	-02:23:11	600	91	1.5	0 Calibration	4	600-line, 1.5-sec, 445

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0109.bhvs028	1500	08:07	09:36:39.0	-02:23:11	600	91	1.5	#178 Low Mass	4	
0110.COMP	10	08:32	09:36:39.0	-02:23:11	600	91	1.5	0 Calibration	4	
0111.bhvs028	1500	08:33	09:36:39.0	-02:23:11	600	91	1.5	#178 Low Mass	4	
0112.COMP	10	08:58	09:36:39.0	-02:23:11	600	91	1.5	0 Calibration	4	
0113.bhvs028	1500	08:59	09:36:39.0	-02:23:11	600	91	1.5	#178 Low Mass	4	
0114.COMP	10	09:25	09:36:39.0	-02:23:11	600	91	1.5	0 Calibration	4	
0115.bhvs028	1500	09:25	09:36:39.0	-02:23:11	600	91	1.5	#178 Low Mass	4	
0116.COMP	10	09:51	09:36:39.0	-02:23:11	600	91	1.5	0 Calibration	4	
0117.bhvs028	1500	09:51	09:36:39.0	-02:23:11	600	91	1.5	#178 Low Mass	4	
0118.COMP	10	10:17	09:36:39.0	-02:23:11	600	91	1.5	0 Calibration	4	
0119.bhvs028	1500	10:17	09:36:39.0	-02:23:11	600	91	1.5	#178 Low Mass	4	
0120.COMP	10	10:43	09:36:39.0	-02:23:11	600	91	1.5	0 Calibration	4	
0121.bhvs028	1500	10:43	09:36:39.0	-02:23:11	600	91	1.5	#178 Low Mass	4	
0122.COMP	10	11:09	09:36:39.0	-02:23:11	600	91	1.5	0 Calibration	4	
0123.bhvs028	1500	11:09	09:36:39.0	-02:23:11	600	91	1.5	#178 Low Mass	4	
0124.COMP	10	11:35	09:36:39.0	-02:23:11	600	91	1.5	0 Calibration	4	
0125.Feige34	180	11:36	10:39:36.7	+43:06:09	600	91	1.5	#178 Low Mass	4	
0126.COMP	10	11:40	10:39:36.7	+43:06:09	600	89	1.5	0 Calibration	4	
0127-0136.FLAT	12	11:47	12:00:00.0	+32:00:00	600	89	1.5	0 Calibration	4	
0137.test	10	11:50	12:00:00.0	+32:00:00	300	89	3.0	#178 Low Mass	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0138.HD84937	30	11:52	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	300-line, 3-sec
0139.HD84937	30	11:53	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0140.COMP	10	11:53	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0141.sn2012ht	900	11:55	10:53:22.8	+16:46:35	300	89	3.0	#2 SN Observat	2	
0142.COMP	10	12:10	10:53:22.8	+16:46:35	300	90	3.0	0 Calibration	2	
0143.Feige34	180	12:12	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0144.COMP	10	12:15	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0145.psn1140	1800	12:18	11:40:15.8	+17:27:22	300	90	3.0	#2 SN Observat	2	
0146.COMP	10	12:48	11:40:15.8	+17:27:22	300	90	3.0	0 Calibration	2	
0147.psn110555p7231	1500	12:51	11:05:55.2	+72:31:20	300	90	3.0	#2 SN Observat	2	
0148.COMP	10	13:16	11:05:55.2	+72:31:20	300	90	3.0	0 Calibration	2	
0149-0158.BIAS	0	13:30	13:30:00.0	+33:00:00	300	90	3.0	0 Calibration	2	
0159-0173.FLAT	7	13:36	13:30:00.0	+33:00:00	300	90	3.0	0 Calibration	2	
0174-0178.DARK	1200	15:01	13:30:00.0	+33:00:00	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
0001-0005.DARK	900	22:21	13:30:00.0	+33:00:00	300	90	3.0	0 Calibration	2	
0006-0010.DARK	900	23:38	13:30:00.0	+33:00:00	300	90	3.0	0 Calibration	4	
0011-0020.BIAS	0	00:24	13:30:00.0	+33:00:00	300	90	3.0	0 Calibration	4	
0021-0030.BIAS	0	00:36	13:30:00.0	+33:00:00	300	90	3.0	0 Calibration	2	
0031.FLAT	7	00:36	13:30:00.0	+33:00:00	300	90	3.0	0 Calibration	2	300-line, 3-sec
0032-0045.FLAT	7	00:41	13:30:00.0	+33:00:00	300	90	3.0	0 Calibration	2	
0046.IPHAS_W3971	600	01:34	21:52:21.4	+60:41:54	300	90	3.0	#157 IPHAS	2	
0047.COMP	10	01:46	21:52:21.4	+60:41:54	300	90	3.0	0 Calibration	2	
0048.IPHAS_W3969	660	01:48	21:52:02.9	+60:37:27	300	90	3.0	#157 IPHAS	2	
0049.COMP	10	02:00	21:52:02.9	+60:37:27	300	90	3.0	0 Calibration	2	
0050.IPHAS_W3972	1200	02:03	21:52:31.6	+54:07:10	300	90	3.0	#157 IPHAS	2	
0051.COMP	10	02:23	21:52:31.6	+54:07:10	300	90	3.0	0 Calibration	2	
0052.IPHAS_W3976	720	02:25	21:53:33.6	+55:53:26	300	90	3.0	#157 IPHAS	2	
0053.COMP	10	02:37	21:53:33.6	+55:53:26	300	91	3.0	0 Calibration	2	
0054.IPHAS_W3977	1200	02:40	21:53:39.6	+59:30:39	300	91	3.0	#157 IPHAS	2	
0055.COMP	10	03:01	21:53:39.6	+59:30:39	300	91	3.0	0 Calibration	2	
0056.04292801+1312150	1800	03:04	04:29:28.0	+13:12:15	300	91	3.0	#141 2Mass Red	2	
0057.COMP	10	03:35	04:29:28.0	+13:12:15	300	91	3.0	0 Calibration	2	
0058.04270324+2317533	900	03:36	04:27:03.2	+23:17:53	300	91	3.0	#141 2Mass Red	2	
0059.COMP	10	03:52	04:27:03.2	+23:17:53	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
0060.sn2012fr	1800	03:56	03:33:36.0	-36:07:38	300	89	3.0	#2 SN Observat	2	
0061.COMP	10	04:27	03:33:36.0	-36:07:38	300	90	3.0	0 Calibration	2	
0062.04310732+2524104	1500	04:30	04:31:07.3	+25:24:10	300	90	3.0	#141 2Mass Red	2	
0063.COMP	10	04:56	04:31:07.3	+25:24:10	300	90	3.0	0 Calibration	2	
0064.04315502+2337463	1200	04:57	04:31:55.0	+23:37:46	300	90	3.0	#141 2Mass Red	2	
0065.COMP	10	05:17	04:31:55.0	+23:37:46	300	90	3.0	0 Calibration	2	
0066.04321143+3204176	1200	05:18	04:32:11.4	+32:04:18	300	90	3.0	#141 2Mass Red	2	
0067.COMP	10	05:39	04:32:11.4	+32:04:18	300	88	3.0	0 Calibration	2	
0068.psn034115p1523	1800	05:42	03:41:15.1	+15:23:04	300	88	3.0	#2 SN Observat	2	
0069.psn034115p1523	1800	06:13	03:41:15.1	+15:23:04	300	88	3.0	#2 SN Observat	2	
0070.COMP	10	06:43	03:41:15.1	+15:23:04	300	91	3.0	0 Calibration	2	
0071.sn2012hg	1800	06:47	07:07:25.6	+56:18:19	300	100	3.0	#2 SN Observat	2	
0072.COMP	10	07:18	07:07:25.6	+56:18:19	300	99	3.0	0 Calibration	2	
0073.FLAT	12	07:22	07:26:59.5	+33:17:09	600	90	1.5	0 Calibration	4	600-line, 1.5-sec, 445
0074-0082.FLAT	12	07:25	07:26:59.5	+33:17:09	600	90	1.5	0 Calibration	4	
0083.hotwd081	1360	07:28	08:16:28.7	-07:25:40	600	90	1.5	#178 Low Mass	4	
0084.COMP	10	07:51	08:16:28.7	-07:25:40	600	90	1.5	0 Calibration	4	
0085.hotwd082	1440	07:52	08:52:21.3	-00:42:53	600	90	1.5	#178 Low Mass	4	
0086.COMP	10	08:17	08:52:21.3	-00:42:53	600	90	1.5	0 Calibration	4	
0087.hotwd091	1100	08:20	09:47:26.7	+26:16:02	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
0088.COMP	10	08:39	09:47:26.7	+26:16:02	600	91	1.5	0 Calibration	4	
0089.hotwd095	900	08:41	10:38:05.8	+16:37:37	600	91	1.5	#178 Low Mass	4	
0090.COMP	10	08:56	10:38:05.8	+16:37:37	600	91	1.5	0 Calibration	4	
0091.hotwd096	1500	08:58	10:54:55.1	+12:14:17	600	90	1.5	#178 Low Mass	4	
0092.COMP	10	09:24	10:54:55.1	+12:14:17	600	89	1.5	0 Calibration	4	
0093.hotwd094	1500	09:25	10:09:41.4	-00:44:05	600	89	1.5	#178 Low Mass	4	
0094.COMP	10	09:51	10:09:41.4	-00:44:05	600	89	1.5	0 Calibration	4	
0095.hotwd097	1800	09:52	10:55:51.5	+08:28:46	600	90	1.5	#178 Low Mass	4	
0096.COMP	10	10:22	10:55:51.5	+08:28:46	600	90	1.5	0 Calibration	4	
0097.Feige34	180	10:24	10:39:36.7	+43:06:09	600	90	1.5	#178 Low Mass	4	
0098.COMP	10	10:27	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0099.BIAS	0	10:31	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0100.HD84937	30	10:31	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	300-line, 3-sec
0101.HD84937	30	10:32	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	slightly blue by 20pix, forgot to tweak tilt
0102.COMP	10	10:33	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0103.psn100005m3414	1800	10:38	10:00:05.0	-34:14:01	300	89	3.0	#2 SN Observat	2	
0104.COMP	10	11:08	10:00:05.0	-34:14:01	300	87	3.0	0 Calibration	2	
0105.sn2012ht	900	11:10	10:53:22.8	+16:46:35	300	87	3.0	#2 SN Observat	2	
0106.COMP	10	11:26	10:53:22.8	+16:46:35	300	91	3.0	0 Calibration	2	
0107.Feige34	180	11:27	10:39:36.7	+43:06:09	300	91	3.0	#56 Spectropho	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>
0108.COMP	10	11:31	10:39:36.7	+43:06:09	300	91	3.0	0 Calibration	2	
0109.psn115321p2044	1500	11:33	11:53:21.3	+20:44:10	300	22	3.0	#2 SN Observat	2	
0110.COMP	10	11:59	11:53:21.3	+20:44:10	300	21	3.0	0 Calibration	2	
0111.sn2012ij	1800	12:00	11:40:15.8	+17:27:22	300	91	3.0	#2 SN Observat	2	
0112.COMP	10	12:31	11:40:15.8	+17:27:22	300	90	3.0	0 Calibration	2	
0113.sn2012hj	1800	12:32	11:07:19.2	+46:22:46	300	90	3.0	#2 SN Observat	2	
0114.COMP	10	13:03	11:07:19.2	+46:22:46	300	90	3.0	0 Calibration	2	
0115-0124.BIAS	0	13:07	11:07:19.2	+46:22:46	300	90	3.0	0 Calibration	2	
0125-0139.FLAT	7	13:13	11:07:19.2	+46:22:46	300	90	3.0	0 Calibration	2	
0140.test	10	13:15	11:07:19.2	+46:22:46	300	90	3.0	#2 SN Observat	2	ok tilt set for tomorrow
0141.test	10	13:17	11:07:19.2	+46:22:46	300	90	3.0	#2 SN Observat	2	
0142.test	10	13:18	11:07:19.2	+46:22:46	300	90	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:48	01:29:07.7	+31:26:22	300	90	3.0	0 Calibration	4	
0011-0030.FLAT	7	01:54	01:29:07.7	+31:26:22	300	90	3.0	0 Calibration	2	
0031-0040.BIAS	0	01:57	01:29:07.7	+31:26:22	300	90	3.0	0 Calibration	2	
0041.BDp284211	120	02:01	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0042.COMP	10	02:03	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0043.BDp174708	40	02:05	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0044.COMP	10	02:06	22:11:31.4	+18:05:34	300	91	3.0	0 Calibration	2	
0045.04321143+3204176	1200	02:10	04:32:11.4	+32:04:18	300	91	3.0	#141 2Mass Red	2	row=73
0046.COMP	10	02:30	04:32:11.4	+32:04:18	300	90	3.0	0 Calibration	2	
0047.04342128+3020432	1200	02:32	04:34:21.3	+30:20:43	300	90	3.0	#141 2Mass Red	2	
0048.COMP	10	02:53	04:34:21.3	+30:20:43	300	90	3.0	0 Calibration	2	
0049.04352255+2007372	1800	02:55	04:35:22.6	+20:07:37	300	101	3.0	#141 2Mass Red	2	
0050.COMP	10	03:26	04:35:22.6	+20:07:37	300	100	3.0	0 Calibration	2	
0051.psn034115p1523	2400	03:29	03:41:15.1	+15:23:04	300	90	3.0	#2 SN Observat	2	
0052.COMP	10	04:09	03:41:15.1	+15:23:04	300	90	3.0	0 Calibration	2	
0053.sn2012fr	1800	04:12	03:33:36.0	-36:07:38	300	90	3.0	#2 SN Observat	2	
0054.COMP	10	04:42	03:33:36.0	-36:07:38	300	89	3.0	0 Calibration	2	
0055.NGC1700	180	04:45	04:56:56.3	-04:51:57	300	89	3.0	#57 Velocity S	2	
0056.COMP	10	04:49	04:56:56.3	-04:51:57	300	90	3.0	0 Calibration	2	
0057.cvso-48990	600	04:52	05:27:25.9	+00:51:08	300	90	3.0	#112 Orion PMS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.COMP	10	05:02	05:27:25.9	+00:51:08	300	89	3.0	0 Calibration	2	
0059.cvso-28318	420	05:04	05:27:26.5	-01:45:59	300	70	3.0	#112 Orion PMS	2	
0060.COMP	10	05:12	05:27:26.5	-01:45:59	300	70	3.0	0 Calibration	2	
0061.cvso-28302	420	05:13	05:27:29.8	+00:02:49	300	89	3.0	#112 Orion PMS	2	
0062.COMP	10	05:21	05:27:29.8	+00:02:49	300	90	3.0	0 Calibration	2	
0063.cvso-49233	360	05:22	05:27:38.3	+00:23:04	300	94	3.0	#112 Orion PMS	2	
0064.COMP	10	05:33	05:27:38.3	+00:23:04	300	95	3.0	0 Calibration	2	
0065.cvso-37477	300	05:35	05:27:39.4	-02:22:27	300	90	3.0	#112 Orion PMS	2	
0066.COMP	10	05:40	05:27:39.4	-02:22:27	300	91	3.0	0 Calibration	2	
0067.cvso-67459	300	05:42	05:27:39.7	-03:18:14	300	91	3.0	#112 Orion PMS	2	
0068.COMP	10	05:47	05:27:39.7	-03:18:14	300	90	3.0	0 Calibration	2	
0069.cvso-49640	300	05:48	05:27:42.3	+01:50:13	300	90	3.0	#112 Orion PMS	2	
0070.COMP	10	05:54	05:27:42.3	+01:50:13	300	90	3.0	0 Calibration	2	
0071.cvso-28492	360	05:55	05:27:42.9	+00:09:51	300	80	3.0	#112 Orion PMS	2	
0072.COMP	10	06:02	05:27:42.9	+00:09:51	300	80	3.0	0 Calibration	2	
0073.cvso-28493	600	06:03	05:27:44.4	-01:56:27	300	90	3.0	#112 Orion PMS	2	
0074.COMP	10	06:14	05:27:44.4	-01:56:27	300	90	3.0	0 Calibration	2	
0075.cvso-37543	600	06:16	05:27:44.4	-01:56:28	300	90	3.0	#112 Orion PMS	2	
0076.COMP	10	06:27	05:27:44.4	-01:56:28	300	90	3.0	0 Calibration	2	
0077.cvso-47448	540	06:28	05:27:48.5	-01:09:01	300	90	3.0	#112 Orion PMS	2	

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0078.COMP	10	06:38	05:27:48.5	-01:09:01	300	89	3.0	0 Calibration	2	
0079.cvso-37610	600	06:39	05:27:50.9	-02:12:17	300	89	3.0	#112 Orion PMS	2	
0080.COMP	10	06:50	05:27:50.9	-02:12:17	300	90	3.0	0 Calibration	2	
0081.cvso-39516	480	06:51	05:27:52.8	+01:56:34	300	90	3.0	#112 Orion PMS	2	
0082.COMP	10	07:00	05:27:52.8	+01:56:34	300	90	3.0	0 Calibration	2	
0083.NGC2750	600	07:03	09:05:47.9	+25:26:15	300	-46	3.0	#199 Optical n	2	
0084.NGC2750	600	07:13	09:05:47.9	+25:26:15	300	-46	3.0	#199 Optical n	2	
0085.NGC2750	600	07:24	09:05:47.9	+25:26:15	300	-46	3.0	#199 Optical n	2	
0086.COMP	10	07:34	09:05:47.9	+25:26:15	300	-46	3.0	0 Calibration	2	
0087.IC2434	1200	07:38	09:07:16.0	+37:12:53	300	49	3.0	#199 Optical n	2	
0088.IC2434	1200	07:58	09:07:16.0	+37:12:53	300	49	3.0	#199 Optical n	2	
0089.IC2434	1200	08:18	09:07:16.0	+37:12:53	300	49	3.0	#199 Optical n	2	
0090.COMP	10	08:39	09:07:16.0	+37:12:53	300	48	3.0	0 Calibration	2	
0091.IRAS09184+4356	1800	08:42	09:21:38.6	+43:43:32	300	-40	3.0	#199 Optical n	2	
0092.IRAS09184+4356	1800	09:13	09:21:38.6	+43:43:32	300	-40	3.0	#199 Optical n	2	
0093.IRAS09184+4356	1800	09:43	09:21:38.6	+43:43:32	300	-40	3.0	#199 Optical n	2	
0094.COMP	10	10:13	09:21:38.6	+43:43:32	300	-39	3.0	0 Calibration	2	
0095.sn2012ht	900	10:16	10:53:22.8	+16:46:35	300	90	3.0	#2 SN Observat	2	
0096.COMP	10	10:31	10:53:22.8	+16:46:35	300	90	3.0	0 Calibration	2	
0097.psn10m34	1200	10:34	10:00:05.5	-34:14:01	300	90	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0098.COMP	10	10:55	10:00:05.5	-34:14:01	300	89	3.0	0 Calibration	2	
0099.sn2012ij	1800	10:57	11:40:15.8	+17:27:22	300	89	3.0	#2 SN Observat	2	clouds halfway thru exp
0100.COMP	10	11:27	11:40:15.8	+17:27:22	300	89	3.0	0 Calibration	2	
0101.sn2012ij	1800	11:39	11:40:15.8	+17:27:22	300	88	3.0	#2 SN Observat	2	
0102.COMP	10	12:09	11:40:15.8	+17:27:22	300	89	3.0	0 Calibration	2	
0103.psn110555p7231	1500	12:13	11:05:55.2	+72:31:20	300	89	3.0	#2 SN Observat	2	
0104.COMP	10	12:38	11:05:55.2	+72:31:20	300	90	3.0	0 Calibration	2	
0105.psn115321p2044	1500	12:41	11:53:21.3	+20:45:05	300	60	3.0	#2 SN Observat	2	
0106.COMP	10	13:07	11:53:21.3	+20:45:05	300	60	3.0	0 Calibration	2	
0107.HD84937	20	13:08	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0108.COMP	10	13:09	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0109.Feige34	120	13:11	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0110.COMP	10	13:13	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0111.N3379	60	13:15	10:47:49.6	+12:34:54	300	89	3.0	#57 Velocity S	2	
0112.COMP	10	13:16	10:47:49.6	+12:34:54	300	89	3.0	0 Calibration	2	
0113-0122.BIAS	0	13:21	10:47:49.6	+12:34:54	300	89	3.0	0 Calibration	2	
0123-0142.FLAT	7	13:28	10:47:49.6	+12:34:54	300	89	3.0	0 Calibration	2	
0143-0152.DARK	900	15:48	10:47:49.6	+12:34:54	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
0001-0007.DARK	900	00:58	10:47:49.6	+12:34:54	300	89	3.0	0 Calibration	4	
0008-0017.BIAS	0	01:15	10:47:49.6	+12:34:54	300	89	3.0	0 Calibration	4	
0018-0037.FLAT	7	01:31	01:11:08.5	+31:26:14	300	89	3.0	0 Calibration	2	
0038-0047.BIAS	0	01:35	01:11:08.5	+31:26:14	300	89	3.0	0 Calibration	2	
0048.BDp284211	180	01:52	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0049.COMP	10	01:56	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0050.BDp174708	35	01:57	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0051.COMP	10	01:59	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0052.M31	60	02:04	00:42:44.3	+41:16:09	300	90	3.0	#57 Velocity S	2	
0053.COMP	10	02:06	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0054.ZAnd	1	02:09	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0055.ZAnd	5	02:10	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0056.ZAnd	30	02:10	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0057.COMP	10	02:11	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0058.RAqr	1	02:14	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0059.RAqr	5	02:14	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0060.RAqr	10	02:15	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0061.COMP	10	02:15	23:43:49.0	-15:17:05	300	90	3.0	0 Calibration	2	
0062.EGAnd	1	02:17	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0063.EGAnd	5	02:18	00:44:37.0	+40:40:47	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
0064.EGAnd	10	02:18	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0065.COMP	10	02:19	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0066.AXPer	4	02:21	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0067.AXPer	30	02:21	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0068.AXPer	90	02:22	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0069.COMP	10	02:24	01:36:23.0	+54:15:03	300	87	3.0	0 Calibration	2	
0070.GITau	240	02:27	04:33:34.0	+24:21:18	300	88	3.0	#12 Symbiotic	2	
0071.COMP	10	02:32	04:33:34.0	+24:21:18	300	89	3.0	0 Calibration	2	
0072.GKTau	240	02:34	04:33:34.5	+24:21:07	300	89	3.0	#12 Symbiotic	2	
0073.COMP	10	02:38	04:33:34.5	+24:21:07	300	89	3.0	0 Calibration	2	
0074.LkCa3	300	02:41	04:14:47.9	+27:52:34	300	89	3.0	#215 Grid of W	2	
0075.COMP	10	02:47	04:14:47.9	+27:52:34	300	88	3.0	0 Calibration	2	
0076.LkCa4	600	02:48	04:16:28.1	+28:07:35	300	88	3.0	#215 Grid of W	2	
0077.COMP	10	02:59	04:16:28.1	+28:07:35	300	89	3.0	0 Calibration	2	
0078.V410Tau	150	03:00	04:18:31.1	+28:27:16	300	89	3.0	#215 Grid of W	2	
0079.COMP	10	03:03	04:18:31.1	+28:27:16	300	89	3.0	0 Calibration	2	
0080.HD232562	30	03:05	01:54:54.4	+54:22:26	300	89	3.0	#215 Grid of W	2	
0081.COMP	10	03:06	01:54:54.4	+54:22:26	300	89	3.0	0 Calibration	2	
0082.HD236924	20	03:08	02:01:05.5	+59:23:30	300	89	3.0	#215 Grid of W	2	
0083.COMP	10	03:09	02:01:05.5	+59:23:30	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
0084.HD232742	30	03:11	03:04:29.9	+50:37:09	300	89	3.0	#215 Grid of W	2	
0085.COMP	10	03:12	03:04:29.9	+50:37:09	300	89	3.0	0 Calibration	2	
0086.HD232889	25	03:13	04:05:56.2	+52:00:11	300	89	3.0	#215 Grid of W	2	
0087.COMP	10	03:14	04:05:56.2	+52:00:11	300	89	3.0	0 Calibration	2	
0088.HD233032	15	03:17	04:54:24.2	+52:25:57	300	89	3.0	#215 Grid of W	2	
0089.COMP	10	03:21	04:54:24.2	+52:25:57	300	89	3.0	0 Calibration	2	
0090.V1070Tau	540	03:24	04:19:41.3	+27:49:48	300	89	3.0	#215 Grid of W	2	
0091.COMP	10	03:33	04:19:41.3	+27:49:48	300	89	3.0	0 Calibration	2	
0092.psn034115p1523	2400	03:36	03:41:15.1	+15:23:04	300	90	3.0	#2 SN Observat	2	
0093.COMP	10	04:16	03:41:15.1	+15:23:04	300	90	3.0	0 Calibration	2	close for wind
0094.cvso-39135	300	05:47	05:28:05.7	-00:03:46	300	96	3.0	#112 Orion PMS	2	
0095.COMP	10	05:54	05:28:05.7	-00:03:46	300	94	3.0	0 Calibration	2	
0096.cvso-39895	300	05:56	05:28:09.0	+01:58:31	300	90	3.0	#112 Orion PMS	2	
0097.COMP	10	06:01	05:28:09.0	+01:58:31	300	91	3.0	0 Calibration	2	
0098.cvso-50222	420	06:23	05:28:10.3	+01:40:55	300	91	3.0	#112 Orion PMS	2	
0099.COMP	10	06:31	05:28:10.3	+01:40:55	300	90	3.0	0 Calibration	2	
0100.cvso-50000	450	06:33	05:28:15.6	+00:20:20	300	90	3.0	#112 Orion PMS	2	
0101.COMP	10	06:41	05:28:15.6	+00:20:20	300	90	3.0	0 Calibration	2	
0102.cvso-28772	600	06:43	05:28:15.8	-02:05:13	300	90	3.0	#112 Orion PMS	2	
0103.COMP	10	06:54	05:28:15.8	-02:05:13	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
0104.cvso-37883	480	06:56	05:28:15.8	-02:05:13	300	91	3.0	#112 Orion PMS	2	
0105.COMP	10	07:16	05:28:15.8	-02:05:13	300	90	3.0	0 Calibration	2	
0106.cvso-67821	720	07:17	05:28:17.6	-03:22:51	300	99	3.0	#112 Orion PMS	2	
0107.COMP	10	07:30	05:28:17.6	-03:22:51	300	99	3.0	0 Calibration	2	
0108.NGC2824	600	07:33	09:19:02.2	+26:16:12	300	-25	3.0	#199 Optical n	2	
0109.NGC2824	600	07:43	09:19:02.2	+26:16:12	300	-25	3.0	#199 Optical n	2	
0110.NGC2824	600	07:54	09:19:02.2	+26:16:12	300	-25	3.0	#199 Optical n	2	
0111.COMP	10	08:04	09:19:02.2	+26:16:12	300	-25	3.0	0 Calibration	2	
0112.CGCG289-012	1200	08:07	09:36:31.9	+59:23:54	300	-1	3.0	#199 Optical n	2	
0113.CGCG289-012	1200	08:28	09:36:31.9	+59:23:54	300	-1	3.0	#199 Optical n	2	
0114.CGCG289-012	1200	08:48	09:36:31.9	+59:23:54	300	-1	3.0	#199 Optical n	2	
0115.COMP	10	09:08	09:36:31.9	+59:23:54	300	1	3.0	0 Calibration	2	
0116.BIAS	0	09:53	00:00:00.0	+00:00:00	300	0	3.0	0 Calibration	2	
0117.BIAS	0	16:38	16:19:22.3	+31:32:31	300	63	3.0	0 Calibration	2	
0118.COMP	5	16:38	16:19:22.3	+31:32:31	300	63	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0002-0011.DARK	900	01:08	16:19:22.3	+31:32:31	300	90	3.0	0 Calibration	4	
0012-0021.BIAS	0	01:25	16:19:22.3	+31:32:31	300	90	3.0	0 Calibration	4	
0022-0041.FLAT	7	01:32	16:19:22.3	+31:32:31	300	90	3.0	0 Calibration	2	
0042-0051.BIAS	0	01:35	16:19:22.3	+31:32:31	300	90	3.0	0 Calibration	2	
0052.BDp284211	120	01:46	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0053.COMP	10	01:49	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0054.BDp174708	40	01:52	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0055.COMP	10	01:54	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0056.M31	60	01:56	00:42:44.3	+41:16:09	300	90	3.0	#57 Velocity S	2	
0057.COMP	10	01:57	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0058.04352255+2007372	2400	02:12	04:35:22.6	+20:07:37	300	31	3.0	#141 2Mass Red	2	
0059.COMP	10	02:53	04:35:22.6	+20:07:37	300	30	3.0	0 Calibration	2	
0060.04385245+3029122	2400	02:55	04:38:52.4	+30:29:12	300	89	3.0	#141 2Mass Red	2	
0061.COMP	10	03:36	04:38:52.4	+30:29:12	300	89	3.0	0 Calibration	2	
0062.04390885+2330533	1200	03:39	04:39:08.9	+23:30:53	300	89	3.0	#141 2Mass Red	2	
0063.COMP	10	04:00	04:39:08.9	+23:30:53	300	90	3.0	0 Calibration	2	
0064.sn2012fr	1800	04:03	03:33:36.0	-36:07:38	300	90	3.0	#2 SN Observat	2	
0065.COMP	10	04:33	03:33:36.0	-36:07:38	300	90	3.0	0 Calibration	2	
0066.V994Tau	120	04:36	04:28:50.8	+16:17:20	300	90	3.0	#215 Grid of W	2	
0067.COMP	10	04:39	04:28:50.8	+16:17:20	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
0068.V827Tau	480	04:40	04:32:14.6	+18:20:14	300	90	3.0	#215 Grid of W	2	
0069.COMP	10	04:48	04:32:14.6	+18:20:14	300	90	3.0	0 Calibration	2	
0070.V826Tau	600	04:49	04:32:15.8	+18:01:38	300	90	3.0	#215 Grid of W	2	
0071.COMP	10	05:00	04:32:15.8	+18:01:38	300	90	3.0	0 Calibration	2	
0072.LkCa14	210	05:01	04:36:19.0	+25:42:59	300	85	3.0	#215 Grid of W	2	
0073.COMP	10	05:05	04:36:19.0	+25:42:59	300	86	3.0	0 Calibration	2	
0074.V397Aur	210	05:07	04:56:02.0	+30:21:03	300	86	3.0	#215 Grid of W	2	
0075.COMP	10	05:11	04:56:02.0	+30:21:03	300	85	3.0	0 Calibration	2	
0076.V836Tau	720	05:12	05:03:06.7	+25:23:19	300	85	3.0	#215 Grid of W	2	
0077.COMP	10	05:25	05:03:06.7	+25:23:19	300	85	3.0	0 Calibration	2	
0078.HD237362	40	05:26	05:12:27.3	+58:42:30	300	90	3.0	#215 Grid of W	2	
0079.COMP	10	05:28	05:12:27.3	+58:42:30	300	90	3.0	0 Calibration	2	
0080.HD237362	15	05:28	05:12:27.3	+58:42:30	300	90	3.0	#215 Grid of W	2	
0081.COMP	10	05:29	05:12:27.3	+58:42:30	300	90	3.0	0 Calibration	2	
0082.cvso-37760	300	05:31	05:26:27.0	+01:58:48	300	90	3.0	#112 Orion PMS	2	
0083.COMP	10	05:37	05:26:27.0	+01:58:48	300	89	3.0	0 Calibration	2	
0084.cvso-27790	275	05:38	05:26:27.9	-02:07:02	300	89	3.0	#112 Orion PMS	2	
0085.COMP	10	05:43	05:26:27.9	-02:07:02	300	90	3.0	0 Calibration	2	
0086.cvso-47947	420	05:45	05:26:31.4	+01:04:35	300	90	3.0	#112 Orion PMS	2	
0087.COMP	10	05:53	05:26:31.4	+01:04:35	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
0088.cvso-47962	720	05:54	05:26:32.0	+01:19:09	300	91	3.0	#112 Orion PMS	2	
0089.COMP	10	06:07	05:26:32.0	+01:19:09	300	90	3.0	0 Calibration	2	
0090.cvso-47958	660	06:08	05:26:36.4	+00:23:53	300	90	3.0	#112 Orion PMS	2	
0091.COMP	10	06:22	05:26:36.4	+00:23:53	300	90	3.0	0 Calibration	2	
0092.cvso-35696	660	06:23	05:26:37.1	-02:31:38	300	90	3.0	#112 Orion PMS	2	
0093.COMP	10	06:35	05:26:37.1	-02:31:38	300	90	3.0	0 Calibration	2	
0094.cvso-58535	600	06:36	05:26:44.6	-03:44:48	300	90	3.0	#112 Orion PMS	2	
0095.COMP	10	06:46	05:26:44.6	-03:44:48	300	90	3.0	0 Calibration	2	
0096.cvso-36852	600	06:47	05:26:44.8	-02:21:58	300	90	3.0	#112 Orion PMS	2	
0097.COMP	10	06:58	05:26:44.8	-02:21:58	300	90	3.0	0 Calibration	2	
0098.cvso-47916	480	06:59	05:28:18.3	-01:10:00	300	90	3.0	#112 Orion PMS	2	
0099.COMP	10	07:07	05:28:18.3	-01:10:00	300	90	3.0	0 Calibration	2	
0100.cvso-50229	540	07:08	05:28:26.9	+00:48:48	300	90	3.0	#112 Orion PMS	2	
0101.COMP	10	07:22	05:28:26.9	+00:48:48	300	90	3.0	0 Calibration	2	
0102.cvso-50303	300	07:23	05:28:31.5	+00:48:19	300	90	3.0	#112 Orion PMS	2	
0103.COMP	10	07:29	05:28:31.5	+00:48:19	300	90	3.0	0 Calibration	2	
0104.cvso-59583	600	07:30	05:28:32.4	-04:02:04	300	90	3.0	#112 Orion PMS	2	
0105.COMP	10	07:40	05:28:32.4	-04:02:04	300	91	3.0	0 Calibration	2	
0106.cvso-67995	420	07:41	05:28:32.5	-03:14:10	300	91	3.0	#112 Orion PMS	2	
0107.COMP	10	07:49	05:28:32.5	-03:14:10	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
0108.NGC2955	600	07:53	09:41:16.6	+35:52:56	300	-26	3.0	#199 Optical n	2	
0109.NGC2955	600	08:03	09:41:16.6	+35:52:56	300	-26	3.0	#199 Optical n	2	
0110.NGC2955	600	08:14	09:41:16.6	+35:52:56	300	-26	3.0	#199 Optical n	2	
0111.COMP	10	08:24	09:41:16.6	+35:52:56	300	-26	3.0	0 Calibration	2	
0112.MCG3-24-062	1800	08:27	09:30:23.0	+19:28:09	300	64	3.0	#199 Optical n	2	
0113.MCG3-24-062	1800	08:57	09:30:23.0	+19:28:09	300	64	3.0	#199 Optical n	2	
0114.MCG3-24-062	1800	09:27	09:30:23.0	+19:28:09	300	64	3.0	#199 Optical n	2	
0115.COMP	10	09:58	09:30:23.0	+19:28:09	300	63	3.0	0 Calibration	2	
0116.HD84937	20	10:00	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0117.COMP	10	10:01	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0118.sn2012ht	900	10:02	10:53:22.8	+16:46:35	300	90	3.0	#2 SN Observat	2	
0119.COMP	10	10:18	10:53:22.8	+16:46:35	300	90	3.0	0 Calibration	2	
0120.psn10m34	1200	10:21	10:00:05.5	-34:14:01	300	90	3.0	#2 SN Observat	2	
0121.COMP	10	10:41	10:00:05.5	-34:14:01	300	90	3.0	0 Calibration	2	
0122.psn110555p7231	1800	10:46	11:05:55.2	+72:31:20	300	90	3.0	#2 SN Observat	2	
0123.COMP	10	11:16	11:05:55.2	+72:31:20	300	90	3.0	0 Calibration	2	
0124.sn2012ij	1800	11:19	11:40:15.8	+17:27:22	300	90	3.0	#2 SN Observat	2	
0125.COMP	10	11:49	11:40:15.8	+17:27:22	300	90	3.0	0 Calibration	2	
0126.psn115321p2044	1500	11:52	11:53:21.3	+20:45:05	300	40	3.0	#2 SN Observat	2	
0127.COMP	10	12:18	11:53:21.3	+20:45:05	300	41	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0128.HD233751	25	12:20	10:35:21.8	+53:57:11	300	89	3.0	#215 Grid of W	2	
0129.COMP	10	12:21	10:35:21.8	+53:57:11	300	89	3.0	0 Calibration	2	
0130.HD233815	45	12:23	11:11:56.0	+53:12:37	300	89	3.0	#215 Grid of W	2	
0131.COMP	10	12:24	11:11:56.0	+53:12:37	300	89	3.0	0 Calibration	2	
0132.HD233898	25	12:26	12:06:52.8	+51:44:06	300	89	3.0	#215 Grid of W	2	
0133.COMP	10	12:27	12:06:52.8	+51:44:06	300	89	3.0	0 Calibration	2	
0134.UGC7905_NED02	720	12:30	12:43:49.5	+54:54:17	300	14	3.0	#199 Optical n	2	row=74
0135.UGC7905_NED02	720	12:42	12:43:49.5	+54:54:17	300	14	3.0	#199 Optical n	2	
0136.UGC7905_NED02	720	12:54	12:43:49.5	+54:54:17	300	14	3.0	#199 Optical n	2	
0137.COMP	10	13:07	12:43:49.5	+54:54:17	300	14	3.0	0 Calibration	2	
0138.BDp332642	120	13:10	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0139.COMP	10	13:12	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0140.BDp262606	60	13:14	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0141.COMP	10	13:15	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0142.N4853	360	13:17	12:58:35.2	+27:35:47	300	89	3.0	#57 Velocity S	2	
0143.COMP	10	13:24	12:58:35.2	+27:35:47	300	90	3.0	0 Calibration	2	
0144-0153.BIAS	0	13:28	12:58:35.2	+27:35:47	300	90	3.0	0 Calibration	2	
0154-0173.FLAT	7	13:34	12:58:35.2	+27:35:47	300	90	3.0	0 Calibration	2	
0174-0183.DARK	900	15:54	12:58:35.2	+27:35:47	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	01:05	00:54:51.5	+31:26:09	300	90	3.0	0 Calibration	2	
0011.FLAT	7	01:05	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	300 gpm, 3-sec
0012.FLAT	7	01:06	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0013.FLAT	7	01:06	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	no darks, major TRES repair underway
0014-0025.FLAT	7	01:10	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0026.IPHAS_W3986	600	01:40	21:54:17.8	+59:05:24	300	90	3.0	#157 IPHAS	2	
0027.COMP	10	01:51	21:54:17.8	+59:05:24	300	90	3.0	0 Calibration	2	
0028.IPHAS_W3993	1200	01:52	21:55:29.4	+55:30:13	300	90	3.0	#157 IPHAS	2	
0029.COMP	10	02:14	21:55:29.4	+55:30:13	300	90	3.0	0 Calibration	2	
0030.IPHAS_W3990	1200	02:15	21:55:15.4	+58:54:17	300	90	3.0	#157 IPHAS	2	
0031.COMP	10	02:36	21:55:15.4	+58:54:17	300	90	3.0	0 Calibration	2	
0032.IPHAS_W3983	1200	02:37	21:53:55.6	+55:30:18	300	90	3.0	#157 IPHAS	2	
0033.COMP	10	02:58	21:53:55.6	+55:30:18	300	91	3.0	0 Calibration	2	
0034.cvso-50236393	720	03:01	05:09:52.4	+04:48:03	300	91	3.0	#112 PMS Orion	2	
0035.COMP	10	03:13	05:09:52.4	+04:48:03	300	91	3.0	0 Calibration	2	
0036.cvso-50128365	420	03:15	05:05:20.1	+01:17:36	300	90	3.0	#112 PMS Orion	2	
0037.cvso-50054593	240	03:24	05:02:17.5	-04:08:26	300	89	3.0	#112 PMS Orion	2	
0038.cvso-50110730	720	03:28	05:04:35.8	-03:59:38	300	90	3.0	#112 PMS Orion	2	
0039.COMP	10	03:41	05:04:35.8	-03:59:38	300	90	3.0	0 Calibration	2	
0040.cvso-50112233	780	03:42	05:04:39.4	-04:16:55	300	90	3.0	#112 PMS Orion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0041.cvso-50204452	720	03:56	05:08:36.5	-03:03:41	300	90	3.0	#112 PMS Orion	2	
0042.cvso-50283871	420	04:11	05:11:36.2	+05:03:26	300	90	3.0	#112 PMS Orion	2	
0043.COMP	10	04:18	05:11:36.2	+05:03:26	300	90	3.0	0 Calibration	2	
0044.cvso-50353041	660	04:19	05:14:06.4	+04:11:54	300	90	3.0	#112 PMS Orion	2	
0045.cvso-50308876	240	04:31	05:12:30.4	-03:52:54	300	90	3.0	#112 PMS Orion	2	
0046.cvso-50375029	720	04:36	05:14:54.1	-04:50:00	300	90	3.0	#112 PMS Orion	2	
0047.COMP	10	04:48	05:14:54.1	-04:50:00	300	90	3.0	0 Calibration	2	
0048.cvso-50376664	240	04:49	05:14:57.5	-04:56:25	300	90	3.0	#112 PMS Orion	2	
0049.cvso-50382276	720	04:54	05:15:09.8	-04:58:09	300	90	3.0	#112 PMS Orion	2	
0050.cvso-50389741	720	05:07	05:15:25.6	-04:46:32	300	90	3.0	#112 PMS Orion	2	
0051.COMP	10	05:19	05:15:25.6	-04:46:32	300	90	3.0	0 Calibration	2	
0052.cvso-50410744	120	05:21	05:16:11.4	-00:08:59	300	90	3.0	#112 PMS Orion	2	agn Akn 120
0053.cvso-50424129	420	05:24	05:16:40.0	-04:49:13	300	90	3.0	#112 PMS Orion	2	
0054.cvso-50443300	480	05:31	05:17:23.0	-03:04:05	300	90	3.0	#112 PMS Orion	2	
0055.COMP	10	05:40	05:17:23.0	-03:04:05	300	90	3.0	0 Calibration	2	
0056.cvso-50449468	600	05:41	05:17:37.2	+05:59:48	300	90	3.0	#112 PMS Orion	2	
0057.cvso-50479149	660	05:52	05:18:44.0	+00:53:45	300	90	3.0	#112 PMS Orion	2	
0058.cvso-50481859	720	06:04	05:18:51.3	-04:11:49	300	90	3.0	#112 PMS Orion	2	
0059.COMP	10	06:17	05:18:51.3	-04:11:49	300	90	3.0	0 Calibration	2	
0060.cvso-50494485	720	06:18	05:19:18.4	-05:43:32	300	90	3.0	#112 PMS Orion	2	inverse P-Cyg accreter

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0061.cvso-50505747	600	06:32	05:19:43.4	-03:07:49	300	90	3.0	#112 PMS Orion	2	
0062.cvso-50520468	420	06:43	05:20:15.8	-05:21:23	300	90	3.0	#112 PMS Orion	2	
0063.COMP	10	06:50	05:20:15.8	-05:21:23	300	90	3.0	0 Calibration	2	
0064.Hiltner600	90	06:52	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0065.Hiltner600	90	06:54	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0066.COMP	10	06:56	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0067.cvso-50523673	720	06:57	05:20:24.1	-03:57:58	300	90	3.0	#112 PMS Orion	2	
0068.cvso-50535608	720	07:10	05:20:49.0	-02:31:41	300	90	3.0	#112 PMS Orion	2	
0069.cvso-50537670	540	07:23	05:20:53.4	-02:52:22	300	90	3.0	#112 PMS Orion	2	
0070.COMP	10	07:32	05:20:53.4	-02:52:22	300	90	3.0	0 Calibration	2	
0071.cvso-50539048	720	07:33	05:20:56.3	-02:32:07	300	90	3.0	#112 PMS Orion	2	
0072.cvso-50539742	420	07:46	05:20:57.9	-05:39:45	300	90	3.0	#112 PMS Orion	2	
0073.cvso-50543088	600	07:54	05:21:01.4	-02:23:58	300	90	3.0	#112 PMS Orion	2	
0074.COMP	10	08:05	05:21:01.4	-02:23:58	300	90	3.0	0 Calibration	2	
0075.cvso-50551434	660	08:06	05:21:23.2	+05:32:09	300	90	3.0	#112 PMS Orion	2	
0076.cvso-50558349	720	08:18	05:21:39.7	-04:02:48	300	90	3.0	#112 PMS Orion	2	
0077.cvso-50560167	600	08:31	05:21:42.4	-03:38:46	300	90	3.0	#112 PMS Orion	2	
0078.COMP	10	08:42	05:21:42.4	-03:38:46	300	90	3.0	0 Calibration	2	
0079.sn2012ht	900	08:48	10:53:22.8	+16:46:35	300	90	3.0	#2 SN Observat	2	
0080.COMP	10	09:04	10:53:22.8	+16:46:35	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
0081.HD84937	30	09:05	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0082.COMP	10	09:06	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0083.sn2012hj	1800	09:10	11:07:19.2	+46:22:46	300	89	3.0	#2 SN Observat	2	
0084.COMP	10	09:40	11:07:19.2	+46:22:46	300	89	3.0	0 Calibration	2	
0085.sn2012ij	1800	09:42	11:40:15.8	+17:27:22	300	89	3.0	#2 SN Observat	2	
0086.COMP	10	10:13	11:40:15.8	+17:27:22	300	90	3.0	0 Calibration	2	
0087.sn2013E	1200	10:15	10:00:05.5	-34:14:01	300	90	3.0	#2 SN Observat	2	
0088.COMP	10	10:35	10:00:05.5	-34:14:01	300	91	3.0	0 Calibration	2	
0089.TWA6	391	10:36	10:18:28.7	-31:50:02	300	91	3.0	#215 Grid of W	2	
0090.COMP	10	10:44	10:18:28.7	-31:50:02	300	90	3.0	0 Calibration	2	
0091.V419Hya	60	10:45	10:43:28.3	-29:03:51	300	90	3.0	#215 Grid of W	2	
0092.V419Hya	40	10:46	10:43:28.3	-29:03:51	300	90	3.0	#215 Grid of W	2	
0093.COMP	10	10:48	10:43:28.3	-29:03:51	300	90	3.0	0 Calibration	2	
0094.TWA7	200	10:49	10:42:30.1	-33:40:16	300	90	3.0	#215 Grid of W	2	
0095.TWA7	200	10:53	10:42:30.1	-33:40:16	300	90	3.0	#215 Grid of W	2	
0096.COMP	10	10:57	10:42:30.1	-33:40:16	300	90	3.0	0 Calibration	2	
0097.Feige34	180	11:01	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0098.COMP	10	11:04	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0099.sn2013C	1800	11:07	11:05:55.2	+72:31:20	300	88	3.0	#2 SN Observat	2	
0100.COMP	10	11:38	11:05:55.2	+72:31:20	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
0101.COMP	10	11:40	11:23:45.5	+17:49:07	300	56	3.0	0 Calibration	2	
0102.NGC3659	600	11:41	11:23:45.5	+17:49:07	300	56	3.0	#199 Optical n	2	
0103.NGC3659	600	11:51	11:23:45.5	+17:49:07	300	56	3.0	#199 Optical n	2	
0104.NGC3659	600	12:02	11:23:45.5	+17:49:07	300	56	3.0	#199 Optical n	2	
0105.COMP	10	12:13	11:23:45.5	+17:49:07	300	55	3.0	0 Calibration	2	
0106.COMP	10	12:15	12:56:48.3	+48:17:48	300	54	3.0	0 Calibration	2	
0107.NGC4837_NED01	600	12:16	12:56:48.3	+48:17:48	300	54	3.0	#199 Optical n	2	
0108.NGC4837_NED01	600	12:26	12:56:48.3	+48:17:48	300	54	3.0	#199 Optical n	2	
0109.NGC4837_NED01	600	12:36	12:56:48.3	+48:17:48	300	54	3.0	#199 Optical n	2	
0110.COMP	10	12:47	12:56:48.3	+48:17:48	300	52	3.0	0 Calibration	2	
0111.COMP	10	12:49	12:56:14.2	+56:52:25	300	13	3.0	0 Calibration	2	
0112.UGC8058	600	12:50	12:56:14.2	+56:52:25	300	13	3.0	#199 Optical n	2	very strange Fe AGN
0113.UGC8058	600	13:00	12:56:14.2	+56:52:25	300	13	3.0	#199 Optical n	2	
0114.UGC8058	600	13:10	12:56:14.2	+56:52:25	300	13	3.0	#199 Optical n	2	
0115.COMP	10	13:21	12:56:14.2	+56:52:25	300	14	3.0	0 Calibration	2	
0116.HD234070	120	13:23	13:46:32.6	+50:31:01	300	90	3.0	#215 Grid of W	2	
0117.COMP	10	13:25	13:46:32.6	+50:31:01	300	90	3.0	0 Calibration	2	
0118.HD234176	120	13:26	14:47:07.5	+50:48:15	300	90	3.0	#215 Grid of W	2	
0119.COMP	10	13:29	14:47:07.5	+50:48:15	300	90	3.0	0 Calibration	2	
0120-0129.BIAS	0	13:36	14:47:07.5	+50:48:15	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>
0130-0144.FLAT	7	13:41	14:47:07.5	+50:48:15	300	90	3.0	0 Calibration	2	

UT Date 2013-01-11 Observers P BerlindColl. Focus 1350 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.BIAS	0	00:43	00:43:14.4	+41:07:21	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	00:49	00:43:14.4	+41:07:21	300	89	3.0	0 Calibration	2	
0026-0030.DARK	900	01:59	00:43:14.4	+41:07:21	300	89	3.0	0 Calibration	2	
0031-0033.DARK	900	02:45	00:43:14.4	+41:07:21	300	89	3.0	0 Calibration	4	
0034.DARK	900	03:00	03:12:03.3	+31:27:34	300	0	3.0	0 Calibration	4	
0035-0039.DARK	900	05:21	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0040-0044.DARK	900	06:37	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:56	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0011.test	10	00:36	00:40:00.0	+32:00:00	1200	90	2.0	#176 Be/X-ray	2	
0012.FLAT	15	00:38	00:40:00.0	+32:00:00	1200	90	2.0	0 Calibration	2	1200-line, 2-sec, gg495, red 850
0013-0026.FLAT	15	00:44	00:40:00.0	+32:00:00	1200	90	2.0	0 Calibration	2	
0027.HD19445	90	01:31	03:08:26.3	+26:20:29	1200	90	2.0	#176 Be/X-ray	2	poor seeing, 15 degrees F
0028.HD19445	90	01:33	03:08:26.3	+26:20:29	1200	90	2.0	#176 Be/X-ray	2	
0029.COMP	10	01:35	03:08:26.3	+26:20:29	1200	90	2.0	0 Calibration	2	
0030.IGRJ2134.2p4738	1800	01:38	21:34:20.4	+47:38:00	1200	90	2.0	#176 Be/X-ray	2	
0031.COMP	10	02:08	21:34:20.4	+47:38:00	1200	89	2.0	0 Calibration	2	
0032.4U2204p543	180	02:10	22:07:57.0	+54:31:06	1200	89	2.0	#176 Be/X-ray	2	
0033.COMP	10	02:13	22:07:57.0	+54:31:06	1200	89	2.0	0 Calibration	2	
0034.4U0115p634	1800	02:15	01:18:32.0	+63:44:33	1200	89	2.0	#176 Be/X-ray	2	
0035.COMP	10	02:46	01:18:32.0	+63:44:33	1200	89	2.0	0 Calibration	2	
0036.IGRJ01363p6610	900	02:47	01:35:49.8	+66:12:43	1200	89	2.0	#176 Be/X-ray	2	
0037.COMP	10	03:02	01:35:49.8	+66:12:43	1200	90	2.0	0 Calibration	2	
0038.RXJ01469p6121	480	03:05	01:47:00.0	+61:21:23	1200	90	2.0	#176 Be/X-ray	2	
0039.COMP	10	03:14	01:47:00.0	+61:21:23	1200	89	2.0	0 Calibration	2	
0040.IGRJ01583p6713	1500	03:16	01:58:18.2	+67:13:26	1200	89	2.0	#176 Be/X-ray	2	
0041.COMP	10	03:41	01:58:18.2	+67:13:26	1200	90	2.0	0 Calibration	2	
0042.LSIp61303	120	03:42	02:40:31.6	+61:13:46	1200	90	2.0	#176 Be/X-ray	2	

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0043.COMP	10	03:45	02:40:31.6	+61:13:46	1200	90	2.0	0 Calibration	2	
0044.V0332p53	1800	03:46	03:34:59.8	+53:10:24	1200	90	2.0	#176 Be/X-ray	2	
0045.COMP	10	04:17	03:34:59.8	+53:10:24	1200	90	2.0	0 Calibration	2	
0046.XPer	8	04:18	03:55:23.0	+31:02:45	1200	90	2.0	#176 Be/X-ray	2	
0047.XPer	8	04:19	03:55:23.0	+31:02:45	1200	90	2.0	#176 Be/X-ray	2	
0048.COMP	10	04:19	03:55:23.0	+31:02:45	1200	90	2.0	0 Calibration	2	
0049.RXJ04409p4431	600	04:21	04:41:00.6	+44:31:50	1200	90	2.0	#176 Be/X-ray	2	
0050.COMP	10	04:31	04:41:00.6	+44:31:50	1200	89	2.0	0 Calibration	2	
0051.A0535p262	120	04:33	05:38:54.5	+26:18:57	1200	89	2.0	#176 Be/X-ray	2	
0052.COMP	10	04:35	05:38:54.5	+26:18:57	1200	89	2.0	0 Calibration	2	
0053.IGRJ06074p2205	900	04:36	06:07:26.6	+22:05:48	1200	89	2.0	#176 Be/X-ray	2	
0054.COMP	10	04:52	06:07:26.6	+22:05:48	1200	89	2.0	0 Calibration	2	
0055.MXB0656-072	900	04:54	06:58:17.2	-07:12:35	1200	89	2.0	#176 Be/X-ray	2	
0056.COMP	10	05:09	06:58:17.2	-07:12:35	1200	89	2.0	0 Calibration	2	
0057.BIAS	0	05:10	06:58:17.2	-07:12:35	1200	89	2.0	0 Calibration	2	
0058-0061.BIAS	0	05:11	05:45:00.0	+32:00:00	1200	89	2.0	0 Calibration	2	
0062.test	10	05:16	05:45:00.0	+32:00:00	300	89	3.0	#176 Be/X-ray	2	
0063.test	10	05:18	05:45:00.0	+32:00:00	300	89	3.0	#176 Be/X-ray	2	
0064.cvso-50560167	720	05:20	05:21:42.4	-03:38:46	300	89	3.0	#112 PMS Orion	2	300-line, 3-sec
0065.COMP	10	05:33	05:21:42.4	-03:38:46	300	90	3.0	0 Calibration	2	

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0066.cvso-50561042	600	05:34	05:21:44.4	-03:39:34	300	90	3.0	#112 PMS Orion	2	
0067.cvso-50567482	480	05:45	05:21:54.3	-02:17:27	300	90	3.0	#112 PMS Orion	2	
0068.cvso-50566455	720	05:54	05:21:57.4	+00:11:42	300	90	3.0	#112 PMS Orion	2	
0069.COMP	10	06:06	05:21:57.4	+00:11:42	300	89	3.0	0 Calibration	2	
0070.cvso-50593989	900	06:09	05:22:54.4	+04:56:56	300	89	3.0	#112 PMS Orion	2	
0071.cvso-50596955	300	06:25	05:23:00.6	+01:34:44	300	90	3.0	#112 PMS Orion	2	
0072.cvso-50598481	300	06:31	05:23:03.8	-04:40:44	300	90	3.0	#112 PMS Orion	2	
0073.COMP	10	06:37	05:23:03.8	-04:40:44	300	90	3.0	0 Calibration	2	
0074.cvso-50607922	300	06:38	05:23:23.3	+01:54:13	300	90	3.0	#112 PMS Orion	2	
0075.cvso-50609344	540	06:44	05:23:26.2	+01:49:56	300	89	3.0	#112 PMS Orion	2	
0076.cvso-50610574	900	06:53	05:23:28.8	+02:02:14	300	90	3.0	#112 PMS Orion	2	
0077.COMP	10	07:09	05:23:28.8	+02:02:14	300	90	3.0	0 Calibration	2	
0078.cvso-50611650	1020	07:10	05:23:31.0	+02:15:02	300	90	3.0	#112 PMS Orion	2	stopped by clouds
0079.COMP	10	07:28	05:23:31.0	+02:15:02	300	90	3.0	0 Calibration	2	
0080.HD233335	30	08:05	07:07:22.8	+51:47:55	300	90	3.0	#215 Grid of W	2	
0081.HD233335	45	08:06	07:07:22.8	+51:47:55	300	90	3.0	#215 Grid of W	2	
0082.COMP	10	08:07	07:07:22.8	+51:47:55	300	90	3.0	0 Calibration	2	
0083.HD233477	60	08:09	07:59:40.1	+54:20:23	300	90	3.0	#215 Grid of W	2	
0084.HD233477	60	08:10	07:59:40.1	+54:20:23	300	90	3.0	#215 Grid of W	2	
0085.COMP	10	08:12	07:59:40.1	+54:20:23	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
0086.HD233515	60	08:13	08:21:57.9	+52:34:07	300	90	3.0	#215 Grid of W	2	
0087.HD233515	60	08:14	08:21:57.9	+52:34:07	300	90	3.0	#215 Grid of W	2	
0088.COMP	10	08:15	08:21:57.9	+52:34:07	300	90	3.0	0 Calibration	2	
0089.HD237763	60	08:17	08:56:41.2	+59:24:57	300	90	3.0	#215 Grid of W	2	
0090.HD237763	60	08:18	08:56:41.2	+59:24:57	300	90	3.0	#215 Grid of W	2	
0091.COMP	10	08:19	08:56:41.2	+59:24:57	300	90	3.0	0 Calibration	2	
0092.HD237808	120	08:20	09:24:35.8	+56:32:11	300	90	3.0	#215 Grid of W	2	
0093.HD237808	120	08:23	09:24:35.8	+56:32:11	300	90	3.0	#215 Grid of W	2	
0094.COMP	10	08:25	09:24:35.8	+56:32:11	300	90	3.0	0 Calibration	2	
0095.HD84937	30	08:30	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0096.HD84937	30	08:31	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0097.COMP	10	08:31	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0098.sn2012ht	1200	08:33	10:53:22.8	+16:46:35	300	90	3.0	#2 SN Observat	2	
0099.COMP	10	08:53	10:53:22.8	+16:46:35	300	89	3.0	0 Calibration	2	
0100.sn2013C	1800	08:57	11:05:55.2	+72:31:20	300	89	3.0	#2 SN Observat	2	
0101.COMP	10	09:28	11:05:55.2	+72:31:20	300	90	3.0	0 Calibration	2	
0102.sn2012ij	1800	09:30	11:40:15.8	+17:27:22	300	90	3.0	#2 SN Observat	2	
0103.COMP	10	10:01	11:40:15.8	+17:27:22	300	89	3.0	0 Calibration	2	
0104.sn2013E	1200	10:03	10:00:05.5	-34:14:01	300	89	3.0	#2 SN Observat	2	
0105.COMP	10	10:24	10:00:05.5	-34:14:01	300	89	3.0	0 Calibration	2	

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0106.Feige34	180	10:26	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0107.COMP	10	10:30	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0108.COMP	10	10:34	12:46:56.8	+42:15:59	300	62	3.0	0 Calibration	2	
0109.MCG7-26-051	1800	10:35	12:46:56.8	+42:15:59	300	62	3.0	#199 Optical n	2	
0110.MCG7-26-051	1800	11:05	12:46:56.8	+42:15:59	300	62	3.0	#199 Optical n	2	
0111.MCG7-26-051	1800	11:35	12:46:56.8	+42:15:59	300	62	3.0	#199 Optical n	2	
0112.COMP	10	12:06	12:46:56.8	+42:15:59	300	62	3.0	0 Calibration	2	
0113.COMP	10	12:08	13:47:45.0	+38:18:17	300	85	3.0	0 Calibration	2	
0114.NGC5303	600	12:09	13:47:45.0	+38:18:17	300	85	3.0	#199 Optical n	2	
0115.NGC5303	600	12:19	13:47:45.0	+38:18:17	300	85	3.0	#199 Optical n	2	
0116.NGC5303	600	12:29	13:47:45.0	+38:18:17	300	85	3.0	#199 Optical n	2	
0117.COMP	10	12:40	13:47:45.0	+38:18:17	300	84	3.0	0 Calibration	2	
0118.TXCVn	40	12:42	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0119.TXCVn	90	12:43	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0120.COMP	10	12:44	12:44:42.0	+36:45:48	300	89	3.0	0 Calibration	2	
0121.RWHya	15	12:47	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0122.RWHya	30	12:47	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0123.RWHya	5	12:48	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0124.COMP	10	12:49	13:34:18.0	-25:22:51	300	89	3.0	0 Calibration	2	
0125.psn133644m2950	300	12:52	13:36:44.3	-29:50:34	300	89	3.0	#2 SN Observat	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0126.psn133644m2950	1311	12:58	13:36:44.3	-29:50:34	300	90	3.0	#2 SN Observat	2	
0127.COMP	10	13:20	13:36:44.3	-29:50:34	300	90	3.0	0 Calibration	2	
0128-0137.BIAS	0	13:29	13:36:44.3	-29:50:34	300	90	3.0	0 Calibration	2	
0138-0152.FLAT	7	13:35	13:36:44.3	-29:50:34	300	90	3.0	0 Calibration	2	
0153-0157.DARK	1200	15:05	13:36:44.3	-29:50:34	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	01:08	01:12:36.3	+31:26:15	300	89	3.0	0 Calibration	4	
0011-0030.FLAT	7	01:17	01:12:36.3	+31:26:15	300	89	3.0	0 Calibration	2	
0031-0040.BIAS	0	01:19	01:12:36.3	+31:26:15	300	89	3.0	0 Calibration	2	
0041.ZAnd	1	01:45	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0042.ZAnd	5	01:45	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0043.ZAnd	30	01:46	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0044.COMP	10	01:47	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0045.RAqr	1	01:50	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0046.RAqr	5	01:50	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0047.RAqr	10	01:51	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0048.COMP	10	01:52	23:43:49.0	-15:17:05	300	89	3.0	0 Calibration	2	
0049.EGAnd	1	01:54	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0050.EGAnd	5	01:54	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0051.EGAnd	10	01:55	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0052.COMP	10	01:56	00:44:37.0	+40:40:47	300	89	3.0	0 Calibration	2	
0053.AXPer	4	01:59	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0054.AXPer	30	02:00	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0055.AXPer	90	02:01	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0056.COMP	10	02:03	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0057.04391521+2722436	1200	02:09	04:39:15.2	+27:22:44	300	89	3.0	#141 2Mass Red	2	

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0058.COMP	10	02:29	04:39:15.2	+27:22:44	300	89	3.0	0 Calibration	2	
0059.04394985+2715306	1080	02:31	04:39:49.9	+27:15:31	300	89	3.0	#141 2Mass Red	2	
0060.COMP	10	02:49	04:39:49.9	+27:15:31	300	89	3.0	0 Calibration	2	
0061.04404770+2739466	900	02:52	04:40:47.7	+27:39:47	300	89	3.0	#141 2Mass Red	2	
0062.COMP	10	03:07	04:40:47.7	+27:39:47	300	89	3.0	0 Calibration	2	
0063.04431865+1115515	1800	03:10	04:43:18.7	+11:15:52	300	89	3.0	#141 2Mass Red	2	
0064.COMP	10	03:41	04:43:18.7	+11:15:52	300	89	3.0	0 Calibration	2	
0065.sn2012fr	1800	03:43	03:33:36.0	-36:07:38	300	90	3.0	#2 SN Observat	2	
0066.COMP	10	04:14	03:33:36.0	-36:07:38	300	89	3.0	0 Calibration	2	
0067.GITau	240	04:20	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0068.COMP	10	04:24	04:33:34.0	+24:21:18	300	89	3.0	0 Calibration	2	
0069.GKTau	240	04:25	04:33:34.5	+24:21:07	300	89	3.0	#12 Symbiotic	2	
0070.COMP	10	04:30	04:33:34.5	+24:21:07	300	89	3.0	0 Calibration	2	
0071.cvso-50611721	240	04:33	05:23:31.1	+01:44:08	300	90	3.0	#112 PMS Orion	2	
0072.COMP	10	04:37	05:23:31.1	+01:44:08	300	89	3.0	0 Calibration	2	
0073.cvso-50615999	420	04:39	05:23:35.9	+01:21:05	300	89	3.0	#112 PMS Orion	2	
0074.COMP	10	04:47	05:23:35.9	+01:21:05	300	89	3.0	0 Calibration	2	
0075.cvso-50619456	420	04:48	05:23:42.8	+01:25:55	300	89	3.0	#112 PMS Orion	2	
0076.COMP	10	04:55	05:23:42.8	+01:25:55	300	89	3.0	0 Calibration	2	
0077.cvso-50625679	420	04:56	05:23:58.8	+01:45:41	300	89	3.0	#112 PMS Orion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.COMP	10	05:03	05:23:58.8	+01:45:41	300	89	3.0	0 Calibration	2	
0079.cvso-50628319	300	05:05	05:24:04.2	+01:43:36	300	89	3.0	#112 PMS Orion	2	
0080.COMP	10	05:19	05:24:04.2	+01:43:36	300	89	3.0	0 Calibration	2	
0081.cvso-50632126	300	05:21	05:24:07.6	+01:23:48	300	89	3.0	#112 PMS Orion	2	
0082.COMP	10	05:26	05:24:07.6	+01:23:48	300	90	3.0	0 Calibration	2	
0083.cvso-50635729	420	05:27	05:24:18.6	+02:10:05	300	90	3.0	#112 PMS Orion	2	
0084.COMP	10	05:35	05:24:18.6	+02:10:05	300	90	3.0	0 Calibration	2	
0085.cvso-50638114	600	05:36	05:24:23.2	+02:14:23	300	90	3.0	#112 PMS Orion	2	
0086.COMP	10	05:47	05:24:23.2	+02:14:23	300	90	3.0	0 Calibration	2	
0087.cvso-50638720	420	05:48	05:24:24.4	+02:10:33	300	90	3.0	#112 PMS Orion	2	
0088.COMP	10	05:55	05:24:24.4	+02:10:33	300	89	3.0	0 Calibration	2	
0089.cvso-50639827	300	06:00	05:24:26.6	+01:38:23	300	89	3.0	#112 PMS Orion	2	
0090.COMP	10	06:06	05:24:26.6	+01:38:23	300	90	3.0	0 Calibration	2	
0091.cvso-50647105	300	06:07	05:24:40.9	+01:46:46	300	90	3.0	#112 PMS Orion	2	
0092.COMP	10	06:12	05:24:40.9	+01:46:46	300	89	3.0	0 Calibration	2	
0093.cvso-50651130	720	06:14	05:24:49.6	-04:13:04	300	89	3.0	#112 PMS Orion	2	
0094.COMP	10	06:27	05:24:49.6	-04:13:04	300	90	3.0	0 Calibration	2	
0095.cvso-50656121	240	06:28	05:24:53.8	+01:24:10	300	90	3.0	#112 PMS Orion	2	
0096.COMP	10	06:33	05:24:53.8	+01:24:10	300	89	3.0	0 Calibration	2	
0097.cvso-50654243	420	06:34	05:24:54.4	+02:20:00	300	89	3.0	#112 PMS Orion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0098.COMP	10	06:42	05:24:54.4	+02:20:00	300	89	3.0	0 Calibration	2	
0099.cvso-50654306	600	06:43	05:24:54.6	+02:20:34	300	89	3.0	#112 PMS Orion	2	
0100.COMP	10	06:54	05:24:54.6	+02:20:34	300	89	3.0	0 Calibration	2	
0101.cvso-50656027	300	06:54	05:24:57.9	+01:42:22	300	89	3.0	#112 PMS Orion	2	
0102.COMP	10	07:00	05:24:57.9	+01:42:22	300	89	3.0	0 Calibration	2	
0103.cvso-50659452	1200	07:02	05:25:04.8	-02:38:52	300	89	3.0	#112 PMS Orion	2	
0104.COMP	10	07:22	05:25:04.8	-02:38:52	300	89	3.0	0 Calibration	2	
0105.cvso-50662153	240	07:23	05:25:10.3	+01:45:04	300	89	3.0	#112 PMS Orion	2	
0106.COMP	10	07:28	05:25:10.3	+01:45:04	300	89	3.0	0 Calibration	2	
0107.cvso-50664018	660	07:29	05:25:14.0	+01:43:32	300	89	3.0	#112 PMS Orion	2	
0108.COMP	10	07:41	05:25:14.0	+01:43:32	300	89	3.0	0 Calibration	2	
0109.cvso-50670488	1080	07:42	05:25:26.9	+02:03:27	300	90	3.0	#112 PMS Orion	2	
0110.COMP	10	08:01	05:25:26.9	+02:03:27	300	90	3.0	0 Calibration	2	
0111.NGC2936	1200	08:22	09:37:44.2	+02:45:39	300	-15	3.0	#199 Optical n	2	
0112.NGC2936	1200	08:43	09:37:44.2	+02:45:39	300	-15	3.0	#199 Optical n	2	
0113.NGC2936	1200	09:03	09:37:44.2	+02:45:39	300	-15	3.0	#199 Optical n	2	
0114.COMP	10	09:23	09:37:44.2	+02:45:39	300	-15	3.0	0 Calibration	2	
0115.HD84937	20	09:24	09:48:56.1	+13:44:39	300	-15	3.0	#56 Spectropho	2	
0116.COMP	10	09:25	09:48:56.1	+13:44:39	300	-15	3.0	0 Calibration	2	
0117.UGC5459	1800	09:29	10:08:10.1	+53:05:01	300	-44	3.0	#199 Optical n	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0118.UGC5459	1800	09:59	10:08:10.1	+53:05:01	300	-44	3.0	#199 Optical n	2	
0119.UGC5459	1800	10:29	10:08:10.1	+53:05:01	300	-44	3.0	#199 Optical n	2	
0120.COMP	10	11:00	10:08:10.1	+53:05:01	300	-44	3.0	0 Calibration	2	
0121.sn2013E	1200	11:03	10:00:05.5	-34:14:01	300	90	3.0	#2 SN Observat	2	
0122.COMP	10	11:24	10:00:05.5	-34:14:01	300	90	3.0	0 Calibration	2	
0123.Feige34	120	11:33	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0124.COMP	10	11:36	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0125.sn2012ht	900	11:38	10:53:22.8	+16:46:35	300	89	3.0	#2 SN Observat	2	
0126.COMP	10	11:53	10:53:22.8	+16:46:35	300	89	3.0	0 Calibration	2	
0127.sn2012ij	1800	11:55	11:40:15.8	+17:27:22	300	89	3.0	#2 SN Observat	2	
0128.COMP	10	12:25	11:40:15.8	+17:27:22	300	90	3.0	0 Calibration	2	
0129.sn2013C	1800	12:28	11:05:55.2	+72:31:20	300	90	3.0	#2 SN Observat	2	
0130.COMP	10	12:59	11:05:55.2	+72:31:20	300	89	3.0	0 Calibration	2	
0131.12495601-2419143	600	13:02	12:49:56.0	-24:19:14	300	89	3.0	#141 2Mass Red	2	
0132.COMP	10	13:13	12:49:56.0	-24:19:14	300	89	3.0	0 Calibration	2	
0133.N4853	300	13:15	12:58:35.2	+27:35:47	300	89	3.0	#57 Velocity S	2	
0134.COMP	10	13:20	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0135-0144.BIAS	0	13:25	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0145-0164.FLAT	7	13:33	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0165-0174.DARK	900	15:52	12:58:35.2	+27:35:47	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
0001-0007.DARK	900	00:47	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	4	
0008-0017.BIAS	0	01:04	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	4	
0018-0037.FLAT	7	01:11	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0038-0047.BIAS	0	01:15	12:58:35.2	+27:35:47	300	89	3.0	0 Calibration	2	
0048.BDp284211	150	01:49	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0049.COMP	10	01:52	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0050.BDp174708	60	01:55	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0051.COMP	10	01:56	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0052.M31	60	01:59	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	
0053.COMP	10	02:01	00:42:44.3	+41:16:09	300	89	3.0	0 Calibration	2	
0054.01515799+7126330	1800	02:07	01:51:58.0	+71:26:33	300	50	3.0	#141 2Mass Red	2	
0055.COMP	10	02:37	01:51:58.0	+71:26:33	300	51	3.0	0 Calibration	2	
0056.cvso-50673812	240	02:44	05:25:29.1	+01:24:13	300	90	3.0	#112 PMS Orion	2	
0057.COMP	10	02:49	05:25:29.1	+01:24:13	300	89	3.0	0 Calibration	2	
0058.cvso-50679338	240	02:52	05:25:39.9	+01:19:20	300	89	3.0	#112 PMS Orion	2	
0059.COMP	10	02:56	05:25:39.9	+01:19:20	300	89	3.0	0 Calibration	2	
0060.cvso-50677686	240	02:58	05:25:41.1	+02:16:49	300	89	3.0	#112 PMS Orion	2	
0061.COMP	10	03:02	05:25:41.1	+02:16:49	300	89	3.0	0 Calibration	2	
0062.cvso-50679895	360	03:03	05:25:45.5	+02:20:31	300	89	3.0	#112 PMS Orion	2	
0063.COMP	10	03:10	05:25:45.5	+02:20:31	300	90	3.0	0 Calibration	2	

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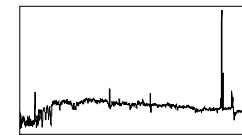
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.cvso-50687537	360	03:12	05:25:56.1	-02:16:02	300	90	3.0	#112 PMS Orion	2	
0065.COMP	10	03:18	05:25:56.1	-02:16:02	300	89	3.0	0 Calibration	2	
0066.cvso-50686867	420	03:19	05:25:59.3	+02:20:12	300	89	3.0	#112 PMS Orion	2	
0067.COMP	10	03:27	05:25:59.3	+02:20:12	300	89	3.0	0 Calibration	2	
0068.sn2012fr	1800	03:29	03:33:36.0	-36:07:38	300	89	3.0	#2 SN Observat	2	
0069.COMP	10	03:59	03:33:36.0	-36:07:38	300	90	3.0	0 Calibration	2	
0070.sn2013D	2700	04:02	03:41:15.1	+15:23:04	300	90	3.0	#2 SN Observat	2	
0071.COMP	10	04:48	03:41:15.1	+15:23:04	300	90	3.0	0 Calibration	2	
0072.cvso-50692858	480	04:50	05:26:11.4	+01:48:05	300	90	3.0	#112 PMS Orion	2	
0073.COMP	10	04:58	05:26:11.4	+01:48:05	300	90	3.0	0 Calibration	2	
0074.cvso-50696659	240	04:59	05:26:18.8	+01:43:21	300	90	3.0	#112 PMS Orion	2	
0075.COMP	10	05:04	05:26:18.8	+01:43:21	300	90	3.0	0 Calibration	2	
0076.cvso-50708503	240	05:05	05:26:42.3	+03:03:07	300	90	3.0	#112 PMS Orion	2	
0077.COMP	10	05:09	05:26:42.3	+03:03:07	300	90	3.0	0 Calibration	2	
0078.cvso-50710931	540	05:11	05:26:47.0	+05:00:23	300	90	3.0	#112 PMS Orion	2	
0079.COMP	10	05:20	05:26:47.0	+05:00:23	300	90	3.0	0 Calibration	2	
0080.cvso-50716810	600	05:21	05:26:58.2	+01:36:08	300	85	3.0	#112 PMS Orion	2	
0081.COMP	10	05:32	05:26:58.2	+01:36:08	300	85	3.0	0 Calibration	2	
0082.cvso-50723885	780	05:33	05:27:11.8	-02:34:28	300	85	3.0	#112 PMS Orion	2	
0083.COMP	10	05:47	05:27:11.8	-02:34:28	300	85	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.cvso-50724543	1020	05:48	05:27:14.2	-03:47:47	300	85	3.0	#112 PMS Orion	2	
0085.COMP	10	06:05	05:27:14.2	-03:47:47	300	85	3.0	0 Calibration	2	
0086.cvso-50734464	600	06:07	05:27:27.0	+01:29:23	300	90	3.0	#112 PMS Orion	2	
0087.COMP	10	06:17	05:27:27.0	+01:29:23	300	90	3.0	0 Calibration	2	
0088.cvso-50735866	300	06:18	05:27:29.7	+01:29:03	300	90	3.0	#112 PMS Orion	2	
0089.COMP	10	06:24	05:27:29.7	+01:29:03	300	90	3.0	0 Calibration	2	
0090.cvso-50735361	600	07:51	05:27:33.4	+01:43:32	300	90	3.0	#112 PMS Orion	2	
0091.COMP	10	08:02	05:27:33.4	+01:43:32	300	90	3.0	0 Calibration	2	
0092.cvso-50735603	300	08:04	05:27:33.8	+04:38:50	300	90	3.0	#112 PMS Orion	2	
0093.COMP	10	08:10	05:27:33.8	+04:38:50	300	89	3.0	0 Calibration	2	
0094.cvso-50754883	600	08:11	05:28:10.1	-02:41:45	300	89	3.0	#112 PMS Orion	2	
0095.COMP	10	08:22	05:28:10.1	-02:41:45	300	90	3.0	0 Calibration	2	
0096.HD84937	25	08:59	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0097.COMP	10	09:00	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0098.Feige34	150	09:02	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0099.COMP	10	09:05	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0100.sn2012ht	1500	09:07	10:53:22.8	+16:46:35	300	90	3.0	#2 SN Observat	2	
0101.COMP	10	09:34	10:53:22.8	+16:46:35	300	90	3.0	0 Calibration	2	
0102.sn2013C	1800	09:36	11:05:55.2	+72:31:20	300	90	3.0	#2 SN Observat	2	
0103.COMP	10	10:07	11:05:55.2	+72:31:20	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
0104.sn2013E	1800	10:10	10:00:05.5	-34:14:01	300	89	3.0	#2 SN Observat	2	
0105.COMP	10	10:41	10:00:05.5	-34:14:01	300	89	3.0	0 Calibration	2	
0106.sn2012ij	1800	10:50	11:40:15.8	+17:27:22	300	90	3.0	#2 SN Observat	2	
0107.COMP	10	11:21	11:40:15.8	+17:27:22	300	89	3.0	0 Calibration	2	
0108.NGC4688	1800	11:25	12:47:46.5	+04:20:10	300	36	3.0	#199 Optical n	2	
0109.NGC4688	1800	11:56	12:47:46.5	+04:20:10	300	36	3.0	#199 Optical n	2	
0110.NGC4688	1800	12:26	12:47:46.5	+04:20:10	300	36	3.0	#199 Optical n	2	
0111.COMP	10	12:56	12:47:46.5	+04:20:10	300	32	3.0	0 Calibration	2	
0112.psn133644m2950	1020	13:04	13:36:44.3	-29:50:34	300	90	3.0	#2 SN Observat	2	
0113.COMP	10	13:22	13:36:44.3	-29:50:34	300	90	3.0	0 Calibration	2	
0114-0123.BIAS	0	13:26	13:36:44.3	-29:50:34	300	90	3.0	0 Calibration	2	
0124-0143.FLAT	7	13:34	13:36:44.3	-29:50:34	300	90	3.0	0 Calibration	2	
0144-0153.DARK	900	15:54	13:36:44.3	-29:50:34	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
0001-0009.DARK	900	01:08	13:36:44.3	-29:50:34	300	90	3.0	0 Calibration	4	
0010-0020.BIAS	0	01:25	13:36:44.3	-29:50:34	300	90	3.0	0 Calibration	4	
0021-0040.FLAT	7	01:32	13:36:44.3	-29:50:34	300	90	3.0	0 Calibration	2	
0041-0050.BIAS	0	01:35	13:36:44.3	-29:50:34	300	90	3.0	0 Calibration	2	
0051.M31	60	01:51	00:42:44.3	+41:16:09	300	90	3.0	#57 Velocity S	2	
0052.COMP	10	01:52	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0053.04461079+2828475	1800	01:57	04:46:10.8	+28:28:47	300	90	3.0	#141 2Mass Red	2	
0054.COMP	10	02:27	04:46:10.8	+28:28:47	300	89	3.0	0 Calibration	2	
0055.04461378+2843145	1800	02:29	04:46:13.8	+28:43:14	300	89	3.0	#141 2Mass Red	2	soft seeing
0056.COMP	10	02:59	04:46:13.8	+28:43:14	300	89	3.0	0 Calibration	2	
0057.04480181+1147280	1500	03:05	04:48:01.8	+11:47:28	300	97	3.0	#141 2Mass Red	2	
0058.COMP	10	03:30	04:48:01.8	+11:47:28	300	97	3.0	0 Calibration	2	
0059.sn2012fr	2400	03:34	03:33:36.0	-36:07:38	300	90	3.0	#2 SN Observat	2	
0060.COMP	10	04:14	03:33:36.0	-36:07:38	300	90	3.0	0 Calibration	2	guide camera needs to warm up (11F!)
0061.BGGem	420	05:19	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0062.COMP	10	05:27	06:03:31.0	+27:41:50	300	90	3.0	0 Calibration	2	
0063.G191B2B	300	05:29	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0064.COMP	10	05:35	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0065.cvso-50754344	1080	05:37	05:28:10.4	-03:55:28	300	90	3.0	#112 PMS Orion	2	
0066.COMP	10	05:59	05:28:10.4	-03:55:28	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
0067.cvso-50756912	720	06:00	05:28:14.2	+01:43:25	300	95	3.0	#112 PMS Orion	2	
0068.COMP	10	06:13	05:28:14.2	+01:43:25	300	95	3.0	0 Calibration	2	
0069.cvso-50763065	360	06:15	05:28:27.3	-04:25:31	300	91	3.0	#112 PMS Orion	2	guide camera too cold....
0070.COMP	10	06:21	05:28:27.3	-04:25:31	300	91	3.0	0 Calibration	2	
0071.cvso-50764123	1500	06:32	05:28:28.0	+03:28:55	300	91	3.0	#112 PMS Orion	2	
0072.COMP	10	06:57	05:28:28.0	+03:28:55	300	91	3.0	0 Calibration	2	
0073.cvso-50768336	780	07:12	05:28:31.3	-02:17:20	300	91	3.0	#112 PMS Orion	2	
0074.COMP	10	07:26	05:28:31.3	-02:17:20	300	91	3.0	0 Calibration	2	guide camera too cold again...
0075.Feige34	120	07:38	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0076.COMP	10	07:41	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0077.NGC3190	600	07:47	10:18:05.7	+21:50:00	300	107	3.0	#199 Optical n	2	
0078.NGC3190	600	07:57	10:18:05.7	+21:50:00	300	107	3.0	#199 Optical n	2	
0079.NGC3190	600	08:08	10:18:05.7	+21:50:00	300	107	3.0	#199 Optical n	2	
0080.COMP	10	08:18	10:18:05.7	+21:50:00	300	107	3.0	0 Calibration	2	
0081.MCG7-22-012	1800	08:23	10:30:11.4	+43:21:38	300	24	3.0	#199 Optical n	2	
0082.MCG7-22-012	1800	08:53	10:30:11.4	+43:21:38	300	24	3.0	#199 Optical n	2	
0083.MCG7-22-012	1800	09:23	10:30:11.4	+43:21:38	300	24	3.0	#199 Optical n	2	
0084.COMP	10	09:54	10:30:11.4	+43:21:38	300	23	3.0	0 Calibration	2	
0085.sn2013E	1800	09:58	10:00:05.5	-34:14:01	300	89	3.0	#2 SN Observat	2	
0086.COMP	10	10:28	10:00:05.5	-34:14:01	300	89	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>
0087.sn2012ht	1200	10:36	10:53:22.8	+16:46:35	300	89	3.0	#2 SN Observat	2	
0088.COMP	10	10:56	10:53:22.8	+16:46:35	300	90	3.0	0 Calibration	2	
0089.sn2013C	2400	10:59	11:05:55.2	+72:31:20	300	88	3.0	#2 SN Observat	2	
0090.COMP	10	11:39	11:05:55.2	+72:31:20	300	88	3.0	0 Calibration	2	
0091.sn2012ij	1800	12:02	11:40:15.8	+17:27:22	300	100	3.0	#2 SN Observat	2	
0092.COMP	10	12:32	11:40:15.8	+17:27:22	300	100	3.0	0 Calibration	2	
0093-0102.BIAS	0	13:14	11:40:15.8	+17:27:22	300	100	3.0	0 Calibration	2	
0103-0122.FLAT	7	13:22	11:40:15.8	+17:27:22	300	100	3.0	0 Calibration	2	
0123-0132.DARK	900	15:43	11:40:15.8	+17:27:22	300	90	3.0	0 Calibration	2	