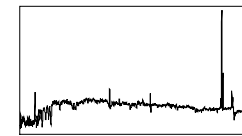


UT Date 2013-02-05 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	10	01:23	04:56:56.3	-04:51:57	300	89	3.0	0 Calibration	2	
0002.BIAS	0	01:24	04:56:56.3	-04:51:57	300	89	3.0	0 Calibration	2	start of FAST run
0003-0011.BIAS	0	01:26	04:56:56.3	-04:51:57	300	89	3.0	0 Calibration	2	
0012-0026.FLAT	7	01:32	04:56:56.3	-04:51:57	300	89	3.0	0 Calibration	2	
0027.ZAnd	5	01:52	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0028.ZAnd	15	01:52	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0029.ZAnd	75	01:53	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0030.COMP	5	01:55	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0031.225m280	360	01:57	00:44:29.8	+41:21:25	300	89	3.0	#57 Velocity S	2	
0032.COMP	5	02:03	00:44:29.8	+41:21:25	300	88	3.0	0 Calibration	2	
0033.EGAnd	2	02:05	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0034.EGAnd	6	02:05	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0035.EGAnd	15	02:06	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0036.COMP	5	02:06	00:44:37.0	+40:40:47	300	88	3.0	0 Calibration	2	
0037.AXPer	10	02:07	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0038.AXPer	30	02:08	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0039.AXPer	150	02:09	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0040.COMP	5	02:11	01:36:23.0	+54:15:03	300	88	3.0	0 Calibration	2	
0041.sn2012fr	1502	02:15	03:33:36.0	-36:07:38	300	89	3.0	#2 SN Observat	2	
0042.COMP	10	02:41	03:33:36.0	-36:07:38	300	89	3.0	0 Calibration	2	

UT Date 2013-02-05 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0043.COMP	10	02:43	05:28:31.3	-02:17:20	300	89	3.0	0 Calibration	2	
0044.cvso-50768336	360	02:44	05:28:31.3	-02:17:20	300	89	3.0	#112 PMS Orion	2	
0045.cvso-50768572	600	02:51	05:28:38.0	-03:47:53	300	89	3.0	#112 PMS Orion	2	
0046.cvso-50771504	240	03:02	05:28:42.4	-02:34:56	300	89	3.0	#112 PMS Orion	2	
0047.COMP	10	03:07	05:28:42.4	-02:34:56	300	89	3.0	0 Calibration	2	
0048.cvso-50771005	720	03:08	05:28:41.4	-03:04:44	300	89	3.0	#112 PMS Orion	2	
0049.cvso-50772661	420	03:21	05:28:45.9	-04:06:43	300	89	3.0	#112 PMS Orion	2	
0050.cvso-50779346	240	03:29	05:28:52.6	-00:51:42	300	89	3.0	#112 PMS Orion	2	
0051.COMP	10	03:33	05:28:52.6	-00:51:42	300	89	3.0	0 Calibration	2	
0052.cvso-50781302	180	03:35	05:29:01.4	+02:00:20	300	89	3.0	#112 PMS Orion	2	
0053.cvso-50785840	240	03:39	05:29:05.1	-01:57:42	300	89	3.0	#112 PMS Orion	2	
0054.cvso-50784764	180	03:44	05:29:08.2	+01:42:55	300	89	3.0	#112 PMS Orion	2	
0055.COMP	10	03:47	05:29:08.2	+01:42:55	300	90	3.0	0 Calibration	2	
0056.LkCa3	180	03:49	04:14:47.9	+27:52:34	300	90	3.0	#215 Grid of W	2	
0057.COMP	10	03:53	04:14:47.9	+27:52:34	300	88	3.0	0 Calibration	2	
0058.LkCa4	600	03:53	04:16:28.1	+28:07:35	300	88	3.0	#215 Grid of W	2	
0059.COMP	10	04:04	04:16:28.1	+28:07:35	300	88	3.0	0 Calibration	2	
0060.V827Tau	600	04:05	04:32:14.6	+18:20:14	300	88	3.0	#215 Grid of W	2	
0061.COMP	10	04:15	04:32:14.6	+18:20:14	300	88	3.0	0 Calibration	2	
0062.V826Tau	600	04:16	04:32:15.8	+18:01:38	300	88	3.0	#215 Grid of W	2	

UT Date 2013-02-05 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0063.COMP	10	04:27	04:32:15.8	+18:01:38	300	89	3.0	0 Calibration	2	
0064.cvso-50785552	300	04:28	05:29:11.0	-04:10:32	300	89	3.0	#112 PMS Orion	2	
0065.cvso-50790998	240	04:34	05:29:20.6	+01:40:11	300	89	3.0	#112 PMS Orion	2	
0066.cvso-50794085	420	04:39	05:29:21.5	-01:13:21	300	89	3.0	#112 PMS Orion	2	
0067.COMP	10	04:46	05:29:21.5	-01:13:21	300	89	3.0	0 Calibration	2	
0068.cvso-50793530	720	04:47	05:29:25.8	+05:58:43	300	89	3.0	#112 PMS Orion	2	
0069.COMP	10	05:00	05:29:25.8	+05:58:43	300	88	3.0	0 Calibration	2	
0070.Hiltner600	90	05:02	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	ADC is not working properly
0071.Hiltner600	90	05:05	06:45:13.4	+02:08:15	300	88	3.0	#56 Spectropho	2	
0072.Hiltner600	90	05:07	06:45:13.4	+02:08:15	300	88	3.0	#56 Spectropho	2	
0073.Hiltner600	90	05:10	06:45:13.4	+02:08:15	300	88	3.0	#56 Spectropho	2	
0074.Hiltner600	90	05:13	06:45:13.4	+02:08:15	300	88	3.0	#56 Spectropho	2	adc off
0075.Hiltner600	90	05:15	06:45:13.4	+02:08:15	300	88	3.0	#56 Spectropho	2	adc off
0076.Hiltner600	90	05:20	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0077.Hiltner600	90	05:24	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	adc off and will remain off
0078.COMP	10	05:27	06:45:13.4	+02:08:15	300	88	3.0	0 Calibration	2	
0079.cvso-50796231	300	05:29	05:29:25.8	-01:37:56	300	88	3.0	#112 PMS Orion	2	
0080.cvso-50798374	300	05:35	05:29:30.1	-01:14:45	300	90	3.0	#112 PMS Orion	2	
0081.cvso-50798473	600	05:41	05:29:30.3	-02:11:53	300	89	3.0	#112 PMS Orion	2	
0082.COMP	10	05:51	05:29:30.3	-02:11:53	300	89	3.0	0 Calibration	2	

UT Date 2013-02-05 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.cvso-50798493	480	05:53	05:29:30.4	-01:32:34	300	89	3.0	#112 PMS Orion	2	
0084.cvso-50795911	480	06:02	05:29:30.6	+01:51:00	300	89	3.0	#112 PMS Orion	2	
0085.cvso-50796193	720	06:11	05:29:31.1	+05:45:27	300	89	3.0	#112 PMS Orion	2	
0086.COMP	10	06:25	05:29:31.1	+05:45:27	300	89	3.0	0 Calibration	2	
0087.dC090302p3855	1800	06:27	09:03:02.9	+38:55:27	300	89	3.0	#99 Director	2	
0088.COMP	10	06:58	09:03:02.9	+38:55:27	300	89	3.0	0 Calibration	2	
0089.dC094026p3625	1800	07:00	09:40:26.3	+36:25:49	300	89	3.0	#99 Director	2	
0090.COMP	10	07:31	09:40:26.3	+36:25:49	300	88	3.0	0 Calibration	2	
0091.COMP	10	07:34	11:42:11.1	+10:16:41	300	-2	3.0	0 Calibration	2	
0092.NGC3822	1800	07:35	11:42:11.1	+10:16:41	300	-2	3.0	#199 Optical n	2	
0093.NGC3822	1800	08:06	11:42:11.1	+10:16:41	300	-2	3.0	#199 Optical n	2	use these standard stars marked ok
0094.NGC3822	1800	08:36	11:42:11.1	+10:16:41	300	-3	3.0	#199 Optical n	2	
0095.COMP	10	09:07	11:42:11.1	+10:16:41	300	-3	3.0	0 Calibration	2	
0096.Feige34	180	09:09	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	ok
0097.COMP	10	09:13	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0098.HD84937	30	09:14	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	ok
0099.HD84937	30	09:15	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	ok
0100.HD84937	30	09:16	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	adc on, test, bad spectrum
0101.HD84937	30	09:19	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	ok
0102.COMP	10	09:21	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	

UT Date 2013-02-05 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0103.Feige34	180	09:24	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	ok checking
0104.COMP	10	09:28	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0105.NGC4548	480	09:30	12:35:26.5	+14:29:47	300	66	3.0	#199 Optical n	2	
0106.NGC4548	480	09:38	12:35:26.5	+14:29:47	300	66	3.0	#199 Optical n	2	
0107.NGC4548	480	09:46	12:35:26.5	+14:29:47	300	66	3.0	#199 Optical n	2	
0108.COMP	10	09:54	12:35:26.5	+14:29:47	300	66	3.0	0 Calibration	2	
0109.NGC4548_offsetsky	480	09:56	12:35:26.5	+14:29:47	300	66	3.0	#199 Optical n	2	
0110.COMP	10	10:04	12:35:26.5	+14:29:47	300	66	3.0	0 Calibration	2	
0111.dC090302p3855	1800	10:07	09:03:02.9	+38:55:27	300	90	3.0	#99 Director	2	
0112.COMP	10	10:38	09:03:02.9	+38:55:27	300	89	3.0	0 Calibration	2	
0113.dC094026p3625	1800	10:40	09:40:26.3	+36:25:49	300	89	3.0	#99 Director	2	
0114.COMP	10	11:10	09:40:26.3	+36:25:49	300	89	3.0	0 Calibration	2	
0115.HD84937	30	11:12	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	test
0116.HD84937	30	11:16	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	adc on
0117.HD84937	30	11:17	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	adc on
0118.COMP	10	11:18	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0119.Feige34	90	11:19	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	adc on
0120.Feige34	90	11:24	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	adc off
0121.COMP	10	11:26	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0122.ps1.13fo.480058	1800	11:29	12:17:15.2	+46:43:36	300	88	3.0	#2 SN Observat	2	

UT Date 2013-02-05 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0123.COMP	10	11:59	12:17:15.2	+46:43:36	300	88	3.0	0 Calibration	2	
0124.COMP	10	12:02	15:15:03.2	+42:03:00	300	23	3.0	0 Calibration	2	
0125.NGC5899	600	12:03	15:15:03.2	+42:03:00	300	23	3.0	#199 Optical n	2	
0126.NGC5899	600	12:14	15:15:03.2	+42:03:00	300	23	3.0	#199 Optical n	2	
0127.NGC5899	600	12:24	15:15:03.2	+42:03:00	300	23	3.0	#199 Optical n	2	
0128.COMP	10	12:34	15:15:03.2	+42:03:00	300	23	3.0	0 Calibration	2	
0129.NGC5899_offsetsky	600	12:35	15:15:03.2	+42:03:00	300	23	3.0	#199 Optical n	2	
0130.COMP	10	12:46	15:15:03.2	+42:03:00	300	23	3.0	0 Calibration	2	
0131.BDp262606	30	12:48	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	adc off
0132.BDp262606	30	12:49	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0133.BDp262606	30	12:51	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0134.BDp262606	30	12:52	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	adc on
0135.COMP	10	12:53	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0136-0145.BIAS	0	12:59	18:00:00.0	+35:00:00	300	90	3.0	0 Calibration	2	
0146-0160.FLAT	7	13:04	18:00:00.0	+35:00:00	300	90	3.0	0 Calibration	2	
0161-0165.DARK	1200	14:34	18:00:00.0	+35:00:00	300	90	3.0	0 Calibration	2	

UT Date 2013-02-06 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:32	00:43:14.4	+41:07:21	300	89	3.0	0 Calibration	2	
0011.FLAT	7	00:32	00:43:14.4	+41:07:21	300	89	3.0	0 Calibration	2	clouds to far west and south, clear here
0012-0025.FLAT	7	00:37	00:43:14.4	+41:07:21	300	89	3.0	0 Calibration	2	
0026.HD19445	5	01:37	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	adc on for all these
0027.HD19445	5	01:38	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0028.HD19445	5	01:38	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0029.HD19445	5	01:41	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0030.HD19445	5	01:41	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0031.HD19445	5	01:42	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0032.HD19445	5	01:42	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0033.HD19445	5	01:43	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	various focus positions
0034.HD19445	5	01:45	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0035.HD19445	5	01:46	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0036.HD19445	5	01:47	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0037.HD19445	5	01:48	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0038.HD19445	5	01:49	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0039.HD19445	5	01:49	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0040.COMP	10	01:56	03:08:25.6	+26:19:51	300	89	3.0	0 Calibration	2	
0041.HD19445	10	02:03	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	adc off for rest of night
0042.HD19445	10	02:04	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	except for specific tests

UT Date 2013-02-06 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0043.HD19445	10	02:05	03:08:25.6	+26:19:51	300	89	3.0	#56 Spectropho	2	
0044.COMP	10	02:07	03:08:25.6	+26:19:51	300	65	3.0	0 Calibration	2	
0045.G158.2	20	02:08	01:29:04.8	+21:43:23	300	65	3.0	#215 Grid of W	2	
0046.G158.2	30	02:09	01:29:04.8	+21:43:23	300	65	3.0	#215 Grid of W	2	
0047.COMP	10	02:10	01:29:04.8	+21:43:23	300	65	3.0	0 Calibration	2	
0048.G168	2	02:12	01:42:29.7	+20:16:06	300	65	3.0	#215 Grid of W	2	
0049.G168	2	02:12	01:42:29.7	+20:16:06	300	65	3.0	#215 Grid of W	2	
0050.G168	2	02:13	01:42:29.7	+20:16:06	300	65	3.0	#215 Grid of W	2	
0051.COMP	10	02:13	01:42:29.7	+20:16:06	300	65	3.0	0 Calibration	2	
0052.G1123	60	02:15	03:06:26.7	+01:57:54	300	15	3.0	#215 Grid of W	2	
0053.G1123	60	02:17	03:06:26.7	+01:57:54	300	15	3.0	#215 Grid of W	2	
0054.COMP	10	02:18	03:06:26.7	+01:57:54	300	15	3.0	0 Calibration	2	
0055.GJ9112	30	02:22	03:14:47.2	+08:58:50	300	15	3.0	#215 Grid of W	2	
0056.GJ9112	30	02:23	03:14:47.2	+08:58:50	300	15	3.0	#215 Grid of W	2	
0057.COMP	10	02:24	03:14:47.2	+08:58:50	300	15	3.0	0 Calibration	2	
0058.G1141	30	02:26	03:24:59.7	-05:21:49	300	15	3.0	#215 Grid of W	2	
0059.G1141	30	02:26	03:24:59.7	-05:21:49	300	15	3.0	#215 Grid of W	2	
0060.COMP	10	02:27	03:24:59.7	-05:21:49	300	15	3.0	0 Calibration	2	
0061.G1156	60	02:30	03:54:35.4	-06:49:33	300	1	3.0	#215 Grid of W	2	
0062.G1156	60	02:31	03:54:35.4	-06:49:33	300	1	3.0	#215 Grid of W	2	

UT Date 2013-02-06 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0063.COMP	10	02:33	03:54:35.4	-06:49:33	300	1	3.0	0 Calibration	2	
0064.GJ9149	60	02:34	04:14:30.2	+03:01:19	300	1	3.0	#215 Grid of W	2	
0065.GJ9149	60	02:35	04:14:30.2	+03:01:19	300	1	3.0	#215 Grid of W	2	
0066.COMP	10	02:37	04:14:30.2	+03:01:19	300	1	3.0	0 Calibration	2	
0067.LkCa3	300	02:39	04:14:47.9	+27:52:34	300	1	3.0	#215 Grid of W	2	
0068.LkCa3	300	02:44	04:14:47.9	+27:52:34	300	1	3.0	#215 Grid of W	2	
0069.COMP	10	02:50	04:14:47.9	+27:52:34	300	0	3.0	0 Calibration	2	
0070.COMP	10	02:54	05:29:33.6	-01:38:14	300	0	3.0	0 Calibration	2	
0071.cvso-50800159	600	02:56	05:29:33.6	-01:38:14	300	0	3.0	#112 PMS Orion	2	
0072.cvso-50796987	600	03:07	05:29:34.0	-04:20:19	300	0	3.0	#112 PMS Orion	2	
0073.cvso-50800855	480	03:18	05:29:40.5	+02:18:00	300	0	3.0	#112 PMS Orion	2	
0074.COMP	10	03:27	05:29:40.5	+02:18:00	300	0	3.0	0 Calibration	2	
0075.cvso-50801284	600	03:28	05:29:35.8	-01:48:05	300	0	3.0	#112 PMS Orion	2	
0076.cvso-50803741	720	03:38	05:29:40.9	-01:46:36	300	1	3.0	#112 PMS Orion	2	
0077.cvso-50801289	720	03:51	05:29:41.4	-02:33:08	300	1	3.0	#112 PMS Orion	2	
0078.COMP	10	04:04	05:29:41.4	-02:33:08	300	0	3.0	0 Calibration	2	
0079.LTT11580	30	04:06	05:06:42.2	+14:26:46	300	0	3.0	#215 Grid of W	2	
0080.LTT11580	30	04:07	05:06:42.2	+14:26:46	300	0	3.0	#215 Grid of W	2	
0081.COMP	10	04:08	05:06:42.2	+14:26:46	300	0	3.0	0 Calibration	2	
0082.GJ2040	60	04:09	05:19:34.9	+03:52:26	300	0	3.0	#215 Grid of W	2	

UT Date 2013-02-06 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.GJ2040	60	04:10	05:19:34.9	+03:52:26	300	0	3.0	#215 Grid of W	2	
0084.COMP	10	04:12	05:19:34.9	+03:52:26	300	0	3.0	0 Calibration	2	
0085.G1221	120	04:13	05:53:00.2	-05:59:41	300	0	3.0	#215 Grid of W	2	
0086.COMP	10	04:15	05:53:00.2	-05:59:41	300	0	3.0	0 Calibration	2	
0087.G1223	30	04:17	05:54:28.5	+02:08:32	300	0	3.0	#215 Grid of W	2	
0088.G1223	30	04:18	05:54:28.5	+02:08:32	300	0	3.0	#215 Grid of W	2	
0089.COMP	10	04:19	05:54:28.5	+02:08:32	300	0	3.0	0 Calibration	2	
0090.cvso-50806224	600	04:21	05:29:46.0	-01:44:58	300	0	3.0	#112 PMS Orion	2	
0091.cvso-50806369	540	04:32	05:29:46.2	-01:16:50	300	1	3.0	#112 PMS Orion	2	
0092.cvso-50807933	720	04:42	05:29:49.5	-02:12:58	300	0	3.0	#112 PMS Orion	2	
0093.COMP	10	04:54	05:29:49.5	-02:12:58	300	1	3.0	0 Calibration	2	
0094.Hiltner600	90	04:57	06:45:13.4	+02:08:15	300	1	3.0	#56 Spectropho	2	
0095.Hiltner600	90	04:59	06:45:13.4	+02:08:15	300	1	3.0	#56 Spectropho	2	
0096.Hiltner600	90	05:01	06:45:13.4	+02:08:15	300	1	3.0	#56 Spectropho	2	
0097.COMP	10	05:03	06:45:13.4	+02:08:15	300	1	3.0	0 Calibration	2	
0098.Stephania.220	1200	05:11	08:37:35.0	+08:51:18	300	-30	3.0	#173 Small Sol	2	
0099.COMP	10	05:31	08:37:35.0	+08:51:18	300	-30	3.0	0 Calibration	2	
0100.Stephania.220	1200	05:32	08:37:35.0	+08:51:18	300	-30	3.0	#173 Small Sol	2	
0101.COMP	10	05:52	08:37:35.0	+08:51:18	300	-30	3.0	0 Calibration	2	
0102.Stephania.220	1200	05:53	08:37:35.0	+08:51:18	300	-30	3.0	#173 Small Sol	2	

UT Date 2013-02-06 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0103.COMP	10	06:13	08:37:35.0	+08:51:18	300	-30	3.0	0 Calibration	2	
0104.HD19445.adcoff	5	06:17	03:08:25.6	+26:19:51	300	65	3.0	#56 Spectropho	2	
0105.HD19445.adcoff	5	06:17	03:08:25.6	+26:19:51	300	65	3.0	#56 Spectropho	2	
0106.HD19445.adcoff	5	06:18	03:08:25.6	+26:19:51	300	65	3.0	#56 Spectropho	2	
0107.HD19445.adcoff	5	06:18	03:08:25.6	+26:19:51	300	65	3.0	#56 Spectropho	2	
0108.HD19445.adcoff	5	06:19	03:08:25.6	+26:19:51	300	65	3.0	#56 Spectropho	2	
0109.HD19445.adcoff	5	06:19	03:08:25.6	+26:19:51	300	65	3.0	#56 Spectropho	2	
0110.HD19445.adcon	5	06:24	03:08:25.6	+26:19:51	300	65	3.0	#56 Spectropho	2	
0111.HD19445.adcon	5	06:25	03:08:25.6	+26:19:51	300	65	3.0	#56 Spectropho	2	
0112.HD19445.adcon	5	06:25	03:08:25.6	+26:19:51	300	65	3.0	#56 Spectropho	2	
0113.dC090302p3855	1800	06:29	09:03:02.9	+38:55:27	300	89	3.0	#99 Director	2	
0114.COMP	10	06:59	09:03:02.9	+38:55:27	300	89	3.0	0 Calibration	2	
0115.dC094026p3625	1800	07:01	09:40:26.3	+36:25:49	300	89	3.0	#99 Director	2	clouds moving through
0116.COMP	10	07:31	09:40:26.3	+36:25:49	300	89	3.0	0 Calibration	2	
0117.PG0918p029C	300	07:34	09:21:42.3	+02:46:36	300	0	3.0	#173 Small Sol	2	
0118.PG0918p029C	300	07:40	09:21:42.3	+02:46:36	300	0	3.0	#173 Small Sol	2	
0119.PG0918p029C	300	07:45	09:21:42.3	+02:46:36	300	0	3.0	#173 Small Sol	2	
0120.COMP	10	07:50	09:21:42.3	+02:46:36	300	0	3.0	0 Calibration	2	
0121.HD89010	4	07:52	10:16:32.3	+23:30:11	300	0	3.0	#173 Small Sol	2	
0122.HD89010	4	07:54	10:16:32.3	+23:30:11	300	0	3.0	#173 Small Sol	2	

UT Date 2013-02-06 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0123.HD89010	4	07:54	10:16:32.3	+23:30:11	300	0	3.0	#173 Small Sol	2	
0124.COMP	10	07:54	10:16:32.3	+23:30:11	300	0	3.0	0 Calibration	2	
0125.Sulamitis.752	480	07:56	10:35:53.7	+18:30:33	300	0	3.0	#173 Small Sol	2	
0126.Sulamitis.752	480	08:04	10:35:53.7	+18:30:33	300	0	3.0	#173 Small Sol	2	
0127.Sulamitis.752	480	08:12	10:35:53.7	+18:30:33	300	0	3.0	#173 Small Sol	2	
0128.COMP	10	08:21	10:35:53.7	+18:30:33	300	0	3.0	0 Calibration	2	
0129.Hiltner600.adcoff	90	08:24	06:45:13.4	+02:08:15	300	52	3.0	#56 Spectropho	2	
0130.Hiltner600.adcoff	90	08:26	06:45:13.4	+02:08:15	300	52	3.0	#56 Spectropho	2	
0131.Hiltner600.adcon	90	08:30	06:45:13.4	+02:08:15	300	52	3.0	#56 Spectropho	2	
0132.Hiltner600.adcon	90	08:32	06:45:13.4	+02:08:15	300	52	3.0	#56 Spectropho	2	
0133.COMP	10	08:34	06:45:13.4	+02:08:15	300	52	3.0	0 Calibration	2	
0134.HD84937.adcon	30	08:37	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0135.HD84937.adcon	30	08:38	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0136.HD84937.adcoff	30	08:41	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0137.HD84937.adcoff	30	08:42	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0138.HD84937	30	08:43	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0139.COMP	10	08:44	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0140.Feige34	180	08:45	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0141.COMP	10	08:49	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0142.psn090841p4448	1800	08:52	09:08:41.5	+44:48:50	300	90	3.0	#2 SN Observat	2	

UT Date 2013-02-06 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0143.COMP	10	09:22	09:08:41.5	+44:48:50	300	90	3.0	0 Calibration	2	
0144.sn2012ht	1200	09:25	10:53:22.8	+16:46:35	300	90	3.0	#2 SN Observat	2	
0145.COMP	10	09:45	10:53:22.8	+16:46:35	300	90	3.0	0 Calibration	2	
0146.dC090302p3855	1800	09:46	09:03:02.9	+38:55:27	300	90	3.0	#99 Director	2	
0147.COMP	10	10:17	09:03:02.9	+38:55:27	300	90	3.0	0 Calibration	2	
0148.dC094026p3625	1800	10:18	09:40:26.3	+36:25:49	300	90	3.0	#99 Director	2	clouds moving in
0149.COMP	10	10:49	09:40:26.3	+36:25:49	300	90	3.0	0 Calibration	2	
0150.BDp332642.adcoff	60	10:53	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0151.BDp332642.adcoff	60	10:55	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0152.BDp332642.adcon	60	10:58	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0153.BDp332642.adcon	60	11:00	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0154.COMP	10	11:01	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0155.test.adcon	60	11:03	17:00:00.0	+40:00:00	300	90	3.0	#56 Spectropho	2	
0156.test.adcon	10	11:07	17:10:55.0	+39:58:17	300	90	3.0	#56 Spectropho	2	
0157.test.adcon	10	11:08	17:10:55.0	+39:58:17	300	90	3.0	#56 Spectropho	2	
0158.test.adcoff	10	11:10	17:10:55.0	+39:59:18	300	90	3.0	#56 Spectropho	2	
0159.test.adcoff	10	11:11	17:10:55.0	+39:59:18	300	90	3.0	#56 Spectropho	2	
0160.sn2012ij	1800	11:15	11:40:15.8	+17:27:22	300	90	3.0	#2 SN Observat	2	
0161.COMP	10	11:45	11:40:15.8	+17:27:22	300	90	3.0	0 Calibration	2	
0162.COMP	10	11:48	15:59:12.6	+20:45:49	300	81	3.0	0 Calibration	2	

UT Date 2013-02-06 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>
0163.NGC6027B	720	11:49	15:59:12.6	+20:45:49	300	81	3.0	#199 Optical n	2	
0164.NGC6027B	720	12:01	15:59:12.6	+20:45:49	300	81	3.0	#199 Optical n	2	
0165.NGC6027B	720	12:13	15:59:12.6	+20:45:49	300	81	3.0	#199 Optical n	2	
0166.COMP	10	12:26	15:59:12.6	+20:45:49	300	80	3.0	0 Calibration	2	
0167-0176.BIAS	0	12:31	15:59:12.6	+20:45:49	300	80	3.0	0 Calibration	2	
0177-0191.FLAT	7	12:36	15:59:12.6	+20:45:49	300	80	3.0	0 Calibration	2	
0192-0196.DARK	1200	14:05	15:59:12.6	+20:45:49	300	80	3.0	0 Calibration	2	

UT Date 2013-02-07 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	1200	22:33	15:59:12.6	+20:45:49	300	80	3.0	0 Calibration	2	
0006-0015.BIAS	0	00:42	15:59:12.6	+20:45:49	300	80	3.0	0 Calibration	2	
0016-0030.FLAT	7	00:47	15:59:12.6	+20:45:49	300	80	3.0	0 Calibration	2	
0031.HD19445	5	01:42	03:08:25.6	+26:19:51	300	80	3.0	#56 Spectropho	2	
0032.HD19445	5	01:43	03:08:25.6	+26:19:51	300	80	3.0	#56 Spectropho	2	looks ok with ADC on
0033.HD19445	5	01:46	03:08:25.6	+26:19:51	300	80	3.0	#56 Spectropho	2	
0034.HD19445	5	01:47	03:08:25.6	+26:19:51	300	80	3.0	#56 Spectropho	2	
0035.COMP	10	01:47	03:08:25.6	+26:19:51	300	80	3.0	0 Calibration	2	
0036.east	40	01:57	08:08:52.9	+44:02:24	300	0	3.0	#56 Spectropho	2	
0037.east	40	01:58	08:08:52.9	+44:02:24	300	0	3.0	#56 Spectropho	2	
0038.east	40	02:02	08:08:53.0	+44:02:24	300	0	3.0	#56 Spectropho	2	clouds
0039.east	40	02:03	08:08:53.0	+44:02:24	300	0	3.0	#56 Spectropho	2	
0040.east	40	02:06	08:08:53.0	+44:02:24	300	0	3.0	#56 Spectropho	2	
0041.COMP	10	02:07	08:08:53.0	+44:02:24	300	0	3.0	0 Calibration	2	
0043.west	10	02:17	23:09:16.0	+49:39:02	300	0	3.0	#56 Spectropho	2	
0044.west	10	02:17	23:09:16.0	+49:39:02	300	0	3.0	#56 Spectropho	2	clouds
0046.west	10	02:20	23:09:16.0	+49:39:02	300	0	3.0	#56 Spectropho	2	
0047.west	10	02:21	23:09:16.0	+49:39:02	300	0	3.0	#56 Spectropho	2	
0052.west	180	02:32	23:09:16.0	+49:39:02	300	0	3.0	#56 Spectropho	2	
0053.COMP	10	02:35	23:09:16.0	+49:39:02	300	0	3.0	0 Calibration	2	cloud delay

UT Date 2013-02-07 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0054.COMP	10	02:53	05:29:50.9	-00:52:09	300	0	3.0	0 Calibration	2	
0055.cvso-50808647	240	02:54	05:29:50.9	-00:52:09	300	0	3.0	#112 PMS Orion	2	
0056.cvso-50811250	180	02:59	05:29:55.9	-01:44:25	300	0	3.0	#112 PMS Orion	2	
0057.cvso-50813352	729	03:03	05:30:00.2	-02:14:29	300	0	3.0	#112 PMS Orion	2	
0058.COMP	10	03:15	05:30:00.2	-02:14:29	300	0	3.0	0 Calibration	2	
0059.HD19445	10	03:17	03:08:25.6	+26:19:51	300	0	3.0	#56 Spectropho	2	
0060.HD19445	10	03:17	03:08:25.6	+26:19:51	300	0	3.0	#56 Spectropho	2	
0061.HD19445	10	03:19	03:08:25.6	+26:19:51	300	0	3.0	#56 Spectropho	2	
0062.HD19445	10	03:20	03:08:25.6	+26:19:51	300	0	3.0	#56 Spectropho	2	
0063.COMP	10	03:20	03:08:25.6	+26:19:51	300	0	3.0	0 Calibration	2	
0064.Eulalia.495	1200	03:24	04:26:23.5	+18:42:30	300	40	3.0	#173 Small Sol	2	
0065.COMP	10	03:44	04:26:23.5	+18:42:30	300	40	3.0	0 Calibration	2	
0066.Eulalia.495	1200	03:45	04:26:23.5	+18:42:30	300	40	3.0	#173 Small Sol	2	
0067.COMP	10	04:05	04:26:23.5	+18:42:30	300	40	3.0	0 Calibration	2	
0068.Eulalia.495	1200	04:06	04:26:23.5	+18:42:30	300	40	3.0	#173 Small Sol	2	
0069.COMP	10	04:27	04:26:23.5	+18:42:30	300	40	3.0	0 Calibration	2	
0070.HD25680	2	04:28	04:05:20.3	+22:00:32	300	65	3.0	#173 Small Sol	2	
0071.HD25680	2	04:28	04:05:20.3	+22:00:32	300	65	3.0	#173 Small Sol	2	
0072.HD25680	2	04:29	04:05:20.3	+22:00:32	300	65	3.0	#173 Small Sol	2	
0073.COMP	10	04:29	04:05:20.3	+22:00:32	300	65	3.0	0 Calibration	2	

UT Date 2013-02-07 Observers P BerlindColl. Focus 1350 Grating/Grism 300

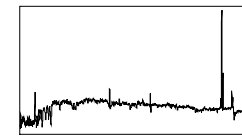
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0074.Hyades142	30	04:30	04:46:30.0	+15:28:21	300	49	3.0	#173 Small Sol	2	
0075.Hyades142	30	04:31	04:46:30.0	+15:28:21	300	49	3.0	#173 Small Sol	2	
0076.COMP	10	04:32	04:46:30.0	+15:28:21	300	49	3.0	0 Calibration	2	
0077.sn2013S	1500	04:34	03:35:30.3	+38:17:00	300	82	3.0	#2 SN Observat	2	
0078.COMP	10	05:00	03:35:30.3	+38:17:00	300	81	3.0	0 Calibration	2	
0079.Hiltner600	90	05:03	06:45:13.4	+02:08:15	300	1	3.0	#56 Spectropho	2	
0080.Hiltner600	90	05:06	06:45:13.4	+02:08:15	300	1	3.0	#56 Spectropho	2	
0081.Hiltner600	90	05:10	06:45:13.4	+02:08:15	300	95	3.0	#56 Spectropho	2	
0082.Hiltner600	90	05:12	06:45:13.4	+02:08:15	300	95	3.0	#56 Spectropho	2	
0083.Hiltner600	90	05:16	06:45:13.4	+02:08:15	300	95	3.0	#56 Spectropho	2	
0084.Hiltner600	90	05:18	06:45:13.4	+02:08:15	300	95	3.0	#56 Spectropho	2	
0085.COMP	10	05:20	06:45:13.4	+02:08:15	300	95	3.0	0 Calibration	2	
0086.west2	1	05:28	02:43:27.0	+27:42:26	300	-10	3.0	#56 Spectropho	2	
0087.west2	1	05:29	02:43:27.0	+27:42:26	300	-10	3.0	#56 Spectropho	2	
0088.west2	1	05:31	02:43:27.0	+27:42:26	300	-10	3.0	#56 Spectropho	2	
0089.west2	1	05:31	02:43:27.0	+27:42:26	300	-10	3.0	#56 Spectropho	2	
0091.west2	1	05:37	02:43:27.0	+27:42:26	300	-10	3.0	#56 Spectropho	2	
0094.COMP	10	05:40	02:43:27.0	+27:42:26	300	-10	3.0	0 Calibration	2	
0095.northwest	2	05:49	02:49:30.0	+57:05:03	300	-10	3.0	#56 Spectropho	2	
0096.northwest	2	05:49	02:49:30.0	+57:05:03	300	-10	3.0	#56 Spectropho	2	

UT Date 2013-02-07 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0097.northwest	2	05:52	02:49:30.0	+57:05:03	300	-10	3.0	#56 Spectropho	2	
0098.northwest	2	05:52	02:49:30.0	+57:05:03	300	-10	3.0	#56 Spectropho	2	
0099.northwest	2	05:54	02:49:30.0	+57:05:03	300	-10	3.0	#56 Spectropho	2	
0100.COMP	10	05:54	02:49:30.0	+57:05:03	300	-10	3.0	0 Calibration	2	
0101.southwest	1	05:57	04:13:33.0	+07:42:57	300	-10	3.0	#56 Spectropho	2	
0102.southwest	1	05:58	04:13:33.0	+07:42:57	300	-10	3.0	#56 Spectropho	2	
0103.southwest	1	05:59	04:13:33.0	+07:42:57	300	-10	3.0	#56 Spectropho	2	
0104.southwest	1	06:00	04:13:33.0	+07:42:57	300	-10	3.0	#56 Spectropho	2	
0105.southwest	1	06:01	04:13:33.0	+07:42:57	300	-10	3.0	#56 Spectropho	2	
0106.COMP	10	06:02	04:13:33.0	+07:42:57	300	-10	3.0	0 Calibration	2	
0114.COMP	10	06:34	10:59:18.1	+24:32:35	300	63	3.0	0 Calibration	2	
0115.IRAS10565+2448W	1200	06:34	10:59:18.1	+24:32:35	300	63	3.0	#199 Optical n	2	
0116.IRAS10565+2448W	1200	06:55	10:59:18.1	+24:32:35	300	63	3.0	#199 Optical n	2	
0117.IRAS10565+2448W	1200	07:15	10:59:18.1	+24:32:35	300	63	3.0	#199 Optical n	2	
0118.COMP	10	07:35	10:59:18.1	+24:32:35	300	63	3.0	0 Calibration	2	
0119.HD84937	30	07:38	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0120.HD84937	30	07:39	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0121.COMP	10	07:39	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0122.southzenith	30	07:41	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	adc on
0123.southzenith	30	07:41	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	adc on

UT Date 2013-02-07 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0124.southzenith	30	07:43	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	adc off
0125.southzenith	30	07:44	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	adc off
0126.southzenith	30	07:46	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	adc on
0127.COMP	10	07:47	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0128.southzenith	30	07:49	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0129.southzenith	30	07:50	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0130.southzenith	30	07:52	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0131.southzenith	30	07:52	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0132.southzenith	30	07:55	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	here is the smoking gun
0133.COMP	10	07:56	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	adc is not working correctly
0134.southzenith	30	07:56	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0135.southzenith	30	07:57	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0136.southzenith	30	08:01	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0137.southzenith	30	08:01	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0138.southzenith	30	08:05	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0139.COMP	10	08:06	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0140.southzenith	30	08:08	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	ok adc will remain off
0141.COMP	10	08:13	11:52:12.6	+16:51:07	300	90	3.0	0 Calibration	2	
0142.NGC3934	1800	08:14	11:52:12.6	+16:51:07	300	90	3.0	#199 Optical n	2	
0143.NGC3934	1800	08:44	11:52:12.6	+16:51:07	300	90	3.0	#199 Optical n	2	

UT Date 2013-02-07 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0144.NGC3934	1800	09:14	11:52:12.6	+16:51:07	300	90	3.0	#199 Optical n	2	
0145.COMP	10	09:45	11:52:12.6	+16:51:07	300	90	3.0	0 Calibration	2	
0146.2007PA8.214869	1800	09:50	11:47:34.0	+02:11:33	300	0	3.0	#173 Small Sol	2	
0147.COMP	10	10:20	11:47:34.0	+02:11:33	300	0	3.0	0 Calibration	2	
0148.2007PA8.214869	1800	10:21	11:47:34.0	+02:11:33	300	16	3.0	#173 Small Sol	2	
0149.COMP	10	10:52	11:47:34.0	+02:11:33	300	16	3.0	0 Calibration	2	
0150.2007PA8.214869	1800	10:52	11:47:34.0	+02:11:33	300	26	3.0	#173 Small Sol	2	
0151.COMP	10	11:23	11:47:34.0	+02:11:33	300	26	3.0	0 Calibration	2	
0152.SA103m204	180	11:24	11:57:27.0	-00:56:54	300	26	3.0	#173 Small Sol	2	
0153.COMP	10	11:28	11:57:27.0	-00:56:54	300	26	3.0	0 Calibration	2	
0154.COMP	10	11:31	14:05:01.4	+53:39:44	300	91	3.0	0 Calibration	2	
0155.NGC5474	1200	11:31	14:05:01.4	+53:39:44	300	91	3.0	#199 Optical n	2	
0156.NGC5474	1200	11:52	14:05:01.4	+53:39:44	300	91	3.0	#199 Optical n	2	
0157.NGC5474	1200	12:12	14:05:01.4	+53:39:44	300	91	3.0	#199 Optical n	2	
0158.COMP	10	12:32	14:05:01.4	+53:39:44	300	90	3.0	0 Calibration	2	
0159.BDp262606	60	12:35	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0160.BDp262606	60	12:37	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0161.COMP	10	12:38	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0162.BDp332642	120	12:39	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0163.BDp332642	120	12:42	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	

UT Date 2013-02-07 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>
0164.COMP	10	12:44	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0165.15161963-2032089	900	12:47	15:16:19.6	-20:32:09	300	90	3.0	#141 2Mass Red	2	
0166.COMP	10	13:03	15:16:19.6	-20:32:09	300	91	3.0	0 Calibration	2	
0167-0176.BIAS	0	13:07	15:16:19.6	-20:32:09	300	91	3.0	0 Calibration	2	
0177-0191.FLAT	7	13:13	15:16:19.6	-20:32:09	300	91	3.0	0 Calibration	2	

UT Date 2013-02-08 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:46	03:33:00.2	+31:27:54	300	91	3.0	0 Calibration	4	
0011-0030.FLAT	7	01:57	03:39:22.1	+31:28:00	300	90	3.0	0 Calibration	2	
0031.NGC1700	300	02:14	04:56:56.3	-04:51:57	300	90	3.0	#57 Velocity S	2	
0032.COMP	10	02:20	04:56:56.3	-04:51:57	300	90	3.0	0 Calibration	2	
0033.sn2012fr	1800	02:22	03:33:36.0	-36:07:38	300	90	3.0	#2 SN Observat	2	
0034.COMP	10	02:53	03:33:36.0	-36:07:38	300	90	3.0	0 Calibration	2	
0035.cvso-50815721	360	02:56	05:30:05.1	-02:15:23	300	90	3.0	#112 PMS Orion	2	
0036.COMP	10	03:02	05:30:05.1	-02:15:23	300	91	3.0	0 Calibration	2	
0037.cvso-50816795	720	03:04	05:30:07.2	+01:28:26	300	91	3.0	#112 PMS Orion	2	
0038.COMP	10	03:16	05:30:07.2	+01:28:26	300	90	3.0	0 Calibration	2	
0039.cvso-50814590	240	03:18	05:30:08.3	+01:48:49	300	90	3.0	#112 PMS Orion	2	
0040.COMP	10	03:24	05:30:08.3	+01:48:49	300	91	3.0	0 Calibration	2	
0041.cvso-50817546	900	03:25	05:30:14.3	+04:56:43	300	91	3.0	#112 PMS Orion	2	
0042.COMP	10	03:41	05:30:14.3	+04:56:43	300	91	3.0	0 Calibration	2	
0043.cvso-50820979	900	03:42	05:30:15.6	-02:14:55	300	91	3.0	#112 PMS Orion	2	
0044.COMP	10	03:58	05:30:15.6	-02:14:55	300	91	3.0	0 Calibration	2	
0045.cvso-50823416	600	03:59	05:30:20.6	-02:03:26	300	91	3.0	#112 PMS Orion	2	
0046.COMP	10	04:10	05:30:20.6	-02:03:26	300	91	3.0	0 Calibration	2	
0047.sn2013S	1800	04:12	03:35:30.3	+38:17:00	300	91	3.0	#2 SN Observat	2	
0048.COMP	10	04:42	03:35:30.3	+38:17:00	300	91	3.0	0 Calibration	2	

UT Date 2013-02-08 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0049.cvso-50818241	600	04:46	05:30:17.2	+00:10:21	300	91	3.0	#112 PMS Orion	2	
0050.COMP	10	04:56	05:30:17.2	+00:10:21	300	90	3.0	0 Calibration	2	
0051.cvso-50823416	420	04:58	05:30:20.6	-02:03:26	300	90	3.0	#112 PMS Orion	2	
0052.COMP	10	05:05	05:30:20.6	-02:03:26	300	91	3.0	0 Calibration	2	
0053.cvso-50823839	240	05:06	05:30:21.4	-01:47:41	300	91	3.0	#112 PMS Orion	2	
0054.COMP	10	05:11	05:30:21.4	-01:47:41	300	90	3.0	0 Calibration	2	
0055.cvso-50822132	780	05:13	05:30:23.6	+05:59:50	300	90	3.0	#112 PMS Orion	2	
0056.COMP	10	05:28	05:30:23.6	+05:59:50	300	91	3.0	0 Calibration	2	
0057.cvso-50825112	480	05:30	05:30:24.0	-02:15:26	300	80	3.0	#112 PMS Orion	2	
0058.COMP	10	05:39	05:30:24.0	-02:15:26	300	79	3.0	0 Calibration	2	
0059.G191B2B	300	05:41	05:05:30.6	+52:49:52	300	79	3.0	#56 Spectropho	2	
0060.COMP	10	05:47	05:05:30.6	+52:49:52	300	80	3.0	0 Calibration	2	
0061.Hiltner600	120	05:50	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0062.COMP	10	05:52	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0063.psn090841p4448	2400	05:55	09:08:41.5	+44:48:50	300	90	3.0	#2 SN Observat	2	
0064.COMP	10	06:35	09:08:41.5	+44:48:50	300	89	3.0	0 Calibration	2	
0065.LkCa3	300	06:40	04:14:47.9	+27:52:34	300	89	3.0	#215 Grid of W	2	
0066.COMP	10	06:45	04:14:47.9	+27:52:34	300	90	3.0	0 Calibration	2	
0067.LkCa4	600	06:46	04:16:28.1	+28:07:35	300	90	3.0	#215 Grid of W	2	
0068.COMP	10	06:57	04:16:28.1	+28:07:35	300	90	3.0	0 Calibration	2	

UT Date 2013-02-08 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0069.V827Tau	600	06:58	04:32:14.5	+18:20:14	300	90	3.0	#215 Grid of W	2	
0070.COMP	10	07:08	04:32:14.5	+18:20:14	300	89	3.0	0 Calibration	2	
0071.V826Tau	600	07:09	04:32:15.8	+18:01:38	300	89	3.0	#215 Grid of W	2	
0072.COMP	10	07:20	04:32:15.8	+18:01:38	300	90	3.0	0 Calibration	2	
0073.G191B2B	300	07:21	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0074.COMP	10	07:27	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0075.Hiltner600	120	07:29	06:45:13.4	+02:08:15	300	89	3.0	#56 Spectropho	2	
0076.COMP	10	07:32	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0077.UGC5228	1800	07:50	09:46:03.6	+01:40:06	300	110	3.0	#199 Optical n	2	
0078.UGC5228	1800	08:20	09:46:03.6	+01:40:06	300	110	3.0	#199 Optical n	2	
0079.UGC5228	1800	08:58	09:46:03.6	+01:40:06	300	110	3.0	#199 Optical n	2	
0080.COMP	10	09:28	09:46:03.6	+01:40:06	300	111	3.0	0 Calibration	2	
0081.NGC3686	900	09:30	11:27:44.0	+17:13:27	300	91	3.0	#199 Optical n	2	
0082.NGC3686	900	09:45	11:27:44.0	+17:13:27	300	91	3.0	#199 Optical n	2	
0083.NGC3686	900	10:00	11:27:44.0	+17:13:27	300	91	3.0	#199 Optical n	2	
0084.COMP	10	10:16	11:27:44.0	+17:13:27	300	90	3.0	0 Calibration	2	
0085.NGC4014	600	10:17	11:58:35.8	+16:10:38	300	110	3.0	#199 Optical n	2	
0086.NGC4014	600	10:35	11:58:35.8	+16:10:38	300	110	3.0	#199 Optical n	2	
0087.NGC4014	600	10:45	11:58:35.8	+16:10:38	300	110	3.0	#199 Optical n	2	
0088.COMP	10	10:56	11:58:35.8	+16:10:38	300	111	3.0	0 Calibration	2	

UT Date 2013-02-08 Observers M CalkinsColl. 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>
0089.sn2013T	2400	10:59	13:10:19.7	+32:28:26	300	90	3.0	#2 SN Observat	2	
0090.COMP	10	11:39	13:10:19.7	+32:28:26	300	90	3.0	0 Calibration	2	
0091.NGC5100_NED02	600	11:45	13:20:59.6	+08:58:42	300	109	3.0	#199 Optical n	2	
0092.NGC5100_NED02	600	12:23	13:20:59.6	+08:58:42	300	109	3.0	#199 Optical n	2	
0093.NGC5100_NED02	600	12:33	13:20:59.6	+08:58:42	300	109	3.0	#199 Optical n	2	
0094.COMP	10	12:45	13:20:59.6	+08:58:42	300	109	3.0	0 Calibration	2	
0095-0104.BIAS	0	13:23	16:50:43.4	+42:51:45	300	91	3.0	0 Calibration	2	
0105-0124.FLAT	7	13:34	16:50:43.4	+42:51:45	300	91	3.0	0 Calibration	2	
0125-0129.DARK	900	14:39	16:50:43.4	+42:51:45	300	91	3.0	0 Calibration	4	
0130-0134.DARK	900	15:56	16:50:43.4	+42:51:45	300	91	3.0	0 Calibration	2	

UT Date 2013-02-09 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	01:42	16:50:43.4	+42:51:45	300	91	3.0	0 Calibration	4	
0006-0015.BIAS	0	01:59	16:50:43.4	+42:51:45	300	91	3.0	0 Calibration	4	
0016-0035.FLAT	7	02:13	16:50:43.4	+42:51:45	300	91	3.0	0 Calibration	2	
0036-0045.BIAS	0	02:19	16:50:43.4	+42:51:45	300	91	3.0	0 Calibration	2	
0046.EGAnd	2	02:30	00:44:37.0	+40:40:47	300	91	3.0	#12 Symbiotic	2	
0047.EGAnd	10	02:31	00:44:37.0	+40:40:47	300	91	3.0	#12 Symbiotic	2	
0048.EGAnd	40	02:32	00:44:37.0	+40:40:47	300	91	3.0	#12 Symbiotic	2	
0049.COMP	10	02:34	00:44:37.0	+40:40:47	300	91	3.0	0 Calibration	2	
0050.AXPer	8	02:37	01:36:23.0	+54:15:03	300	91	3.0	#12 Symbiotic	2	
0051.AXPer	60	02:38	01:36:23.0	+54:15:03	300	91	3.0	#12 Symbiotic	2	
0052.AXPer	180	02:40	01:36:23.0	+54:15:03	300	91	3.0	#12 Symbiotic	2	
0053.COMP	10	02:43	01:36:23.0	+54:15:03	300	91	3.0	0 Calibration	2	
0054.GITau	600	02:49	04:33:34.0	+24:21:18	300	91	3.0	#12 Symbiotic	2	
0055.COMP	10	03:00	04:33:34.0	+24:21:18	300	91	3.0	0 Calibration	2	
0056.GKTau	600	03:01	04:33:34.5	+24:21:07	300	91	3.0	#12 Symbiotic	2	
0057.COMP	10	03:11	04:33:34.5	+24:21:07	300	91	3.0	0 Calibration	2	
0058.sn2013S	1800	03:14	03:35:30.3	+38:17:00	300	91	3.0	#2 SN Observat	2	
0059.COMP	10	03:44	03:35:30.3	+38:17:00	300	91	3.0	0 Calibration	2	
0060.G191B2B	420	03:46	05:05:30.6	+52:49:52	300	91	3.0	#56 Spectropho	2	
0061.COMP	10	03:53	05:05:30.6	+52:49:52	300	91	3.0	0 Calibration	2	

UT Date 2013-02-09 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0062.Hiltner600	180	03:58	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0063.COMP	10	04:02	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0064.LkCa3	480	04:04	04:14:47.9	+27:52:34	300	90	3.0	#215 Grid of W	2	
0065.COMP	10	04:12	04:14:47.9	+27:52:34	300	90	3.0	0 Calibration	2	
0066.LkCa4	900	04:14	04:16:28.1	+28:07:35	300	90	3.0	#215 Grid of W	2	
0067.COMP	10	04:29	04:16:28.1	+28:07:35	300	91	3.0	0 Calibration	2	
0068.V826Tau	900	04:31	04:32:15.8	+18:01:38	300	91	3.0	#215 Grid of W	2	
0069.COMP	10	04:46	04:32:15.8	+18:01:38	300	90	3.0	0 Calibration	2	
0070.V827Tau	780	04:48	04:32:14.6	+18:20:14	300	90	3.0	#215 Grid of W	2	
0071.COMP	10	05:01	04:32:14.6	+18:20:14	300	91	3.0	0 Calibration	2	
0072.cvso-50825186	600	05:03	05:30:24.1	-01:50:11	300	91	3.0	#112 PMS Orion	2	
0073.COMP	10	05:14	05:30:24.1	-01:50:11	300	90	3.0	0 Calibration	2	
0074.cvso-50822791	660	05:15	05:30:26.4	-04:24:10	300	90	3.0	#112 PMS Orion	2	
0075.COMP	10	05:27	05:30:26.4	-04:24:10	300	89	3.0	0 Calibration	2	
0076.cvso-50826451	600	05:28	05:30:26.7	-01:00:47	300	89	3.0	#112 PMS Orion	2	
0077.COMP	10	05:39	05:30:26.7	-01:00:47	300	90	3.0	0 Calibration	2	
0078.cvso-50824681	480	05:41	05:30:28.8	+02:17:34	300	90	3.0	#112 PMS Orion	2	
0079.COMP	10	05:49	05:30:28.8	+02:17:34	300	90	3.0	0 Calibration	2	
0080.cvso-50828106	480	05:50	05:30:30.0	-02:12:39	300	90	3.0	#112 PMS Orion	2	
0081.COMP	10	05:59	05:30:30.0	-02:12:39	300	90	3.0	0 Calibration	2	

UT Date 2013-02-09 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0082.cvso-50828549	300	06:00	05:30:30.9	-02:11:27	300	90	3.0	#112 PMS Orion	2	
0083.COMP	10	06:05	05:30:30.9	-02:11:27	300	90	3.0	0 Calibration	2	
0084.cvso-50830450	720	06:06	05:30:34.7	-00:52:53	300	90	3.0	#112 PMS Orion	2	
0085.COMP	10	06:20	05:30:34.7	-00:52:53	300	91	3.0	0 Calibration	2	
0086.G191B2B	360	06:23	05:05:30.6	+52:49:52	300	91	3.0	#56 Spectropho	2	
0087.COMP	10	06:29	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0088.Hiltner600	120	06:32	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0089.COMP	10	06:34	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	
0090.SS129	360	06:37	07:32:45.0	-26:49:16	300	71	3.0	#12 Symbiotic	2	
0091.SS129	360	06:43	07:32:45.0	-26:49:16	300	71	3.0	#12 Symbiotic	2	
0092.COMP	10	06:49	07:32:45.0	-26:49:16	300	70	3.0	0 Calibration	2	
0093.BXMon	15	06:52	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0094.BXMon	180	06:52	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0095.COMP	10	06:56	07:25:23.0	-03:35:51	300	89	3.0	0 Calibration	2	
0096.BGGem	480	07:01	06:03:31.0	+27:41:50	300	89	3.0	#12 Symbiotic	2	
0097.COMP	10	07:09	06:03:31.0	+27:41:50	300	90	3.0	0 Calibration	2	
0098.G191B2B	360	07:11	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0099.COMP	10	07:18	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0100.Hiltner600	150	07:20	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0101.COMP	10	07:23	06:45:13.4	+02:08:15	300	90	3.0	0 Calibration	2	

UT Date 2013-02-09 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0102.sn2013U	1800	07:30	10:01:12.0	+00:19:42	300	70	3.0	#2 SN Observat	2	
0103.COMP	10	08:01	10:01:12.0	+00:19:42	300	70	3.0	0 Calibration	2	
0104.V419Hya	30	08:03	10:43:28.3	-29:03:51	300	89	3.0	#215 Grid of W	2	
0105.COMP	10	08:04	10:43:28.3	-29:03:51	300	89	3.0	0 Calibration	2	
0106.V419Hya	15	08:05	10:43:28.3	-29:03:51	300	89	3.0	#215 Grid of W	2	
0107.COMP	10	08:06	10:43:28.3	-29:03:51	300	89	3.0	0 Calibration	2	
0108-0117.BIAS	0	12:53	09:08:41.5	+44:48:50	300	90	3.0	0 Calibration	2	
0118-0137.FLAT	7	12:59	09:08:41.5	+44:48:50	300	90	3.0	0 Calibration	2	
0138-0147.DARK	900	15:21	09:08:41.5	+44:48:50	300	90	3.0	0 Calibration	2	

UT Date 2013-02-10 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	900	01:15	09:08:41.5	+44:48:50	300	90	3.0	0 Calibration	4	
0008-0017.BIAS	0	01:35	09:08:41.5	+44:48:50	300	90	3.0	0 Calibration	4	
0018-0037.FLAT	7	01:42	09:08:41.5	+44:48:50	300	90	3.0	0 Calibration	2	
0038-0047.BIAS	0	01:45	09:08:41.5	+44:48:50	300	90	3.0	0 Calibration	2	
0048.sn2012fr	1800	02:05	03:33:36.0	-36:07:38	300	89	3.0	#2 SN Observat	2	
0049.COMP	10	02:36	03:33:36.0	-36:07:38	300	89	3.0	0 Calibration	2	
0050.sn2013S	1800	02:42	03:35:30.3	+38:17:00	300	89	3.0	#2 SN Observat	2	
0051.COMP	10	03:13	03:35:30.3	+38:17:00	300	89	3.0	0 Calibration	2	
0052.NGC1700	180	03:16	04:56:56.3	-04:51:57	300	89	3.0	#57 Velocity S	2	
0053.COMP	10	03:20	04:56:56.3	-04:51:57	300	88	3.0	0 Calibration	2	
0054.G191B2B	360	03:23	05:05:30.6	+52:49:52	300	86	3.0	#56 Spectropho	2	
0055.COMP	10	03:29	05:05:30.6	+52:49:52	300	86	3.0	0 Calibration	2	
0056.LkCa3	420	03:33	04:14:47.9	+27:52:34	300	89	3.0	#215 Grid of W	2	
0057.COMP	10	03:41	04:14:47.9	+27:52:34	300	89	3.0	0 Calibration	2	
0058.LkCa4	780	03:43	04:16:28.1	+28:07:35	300	89	3.0	#215 Grid of W	2	
0059.COMP	10	03:57	04:16:28.1	+28:07:35	300	88	3.0	0 Calibration	2	
0060.V826Tau	780	03:58	04:32:15.8	+18:01:38	300	88	3.0	#215 Grid of W	2	
0061.COMP	10	04:14	04:32:15.8	+18:01:38	300	89	3.0	0 Calibration	2	
0062.V827Tau	600	04:15	04:32:14.6	+18:20:14	300	89	3.0	#215 Grid of W	2	
0063.COMP	10	04:26	04:32:14.6	+18:20:14	300	90	3.0	0 Calibration	2	

UT Date 2013-02-10 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.Hiltner600	150	04:28	06:45:13.4	+02:08:15	300	90	3.0	#56 Spectropho	2	
0065.COMP	10	04:31	06:45:13.4	+02:08:15	300	89	3.0	0 Calibration	2	
0066.cvso-50833894	240	04:33	05:30:41.6	-02:14:19	300	89	3.0	#112 PMS Orion	2	
0067.COMP	10	04:38	05:30:41.6	-02:14:19	300	89	3.0	0 Calibration	2	
0068.cvso-50831689	420	04:40	05:30:42.9	+02:04:25	300	89	3.0	#112 PMS Orion	2	
0069.COMP	10	04:52	05:30:42.9	+02:04:25	300	89	3.0	0 Calibration	2	
0070.cvso-50835460	420	04:53	05:30:44.8	-02:14:56	300	89	3.0	#112 PMS Orion	2	
0071.COMP	10	05:01	05:30:44.8	-02:14:56	300	89	3.0	0 Calibration	2	
0072.cvso-50837444	480	05:03	05:30:48.6	-01:40:03	300	89	3.0	#112 PMS Orion	2	
0073.COMP	10	05:11	05:30:48.6	-01:40:03	300	88	3.0	0 Calibration	2	
0074.cvso-50838583	180	05:13	05:30:50.8	-02:10:13	300	88	3.0	#112 PMS Orion	2	
0075.COMP	10	05:16	05:30:50.8	-02:10:13	300	89	3.0	0 Calibration	2	
0076.cvso-50844449	100	05:17	05:31:02.8	-01:49:15	300	89	3.0	#112 PMS Orion	2	
0077.COMP	10	05:19	05:31:02.8	-01:49:15	300	89	3.0	0 Calibration	2	
0078.cvso-50843838	480	05:22	05:31:07.2	+05:12:44	300	80	3.0	#112 PMS Orion	2	
0079.COMP	10	05:31	05:31:07.2	+05:12:44	300	81	3.0	0 Calibration	2	
0080.cvso-50847834	240	05:33	05:31:09.5	-02:08:55	300	89	3.0	#112 PMS Orion	2	
0081.COMP	10	05:38	05:31:09.5	-02:08:55	300	89	3.0	0 Calibration	2	
0082.cvso-50845178	480	05:40	05:31:09.9	+05:40:59	300	90	3.0	#112 PMS Orion	2	
0083.COMP	10	05:48	05:31:09.9	+05:40:59	300	90	3.0	0 Calibration	2	

UT Date 2013-02-10 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.cvso-50848427	240	05:50	05:31:10.6	-02:03:22	300	90	3.0	#112 PMS Orion	2	
0085.COMP	10	05:55	05:31:10.6	-02:03:22	300	90	3.0	0 Calibration	2	
0086.cvso-50851619	480	05:56	05:31:17.1	-02:05:46	300	90	3.0	#112 PMS Orion	2	
0087.COMP	10	06:05	05:31:17.1	-02:05:46	300	90	3.0	0 Calibration	2	
0088.sn2013V	2400	06:08	09:08:41.5	+44:48:50	300	90	3.0	#2 SN Observat	2	
0089.COMP	10	06:49	09:08:41.5	+44:48:50	300	89	3.0	0 Calibration	2	
0090.HD84937	20	06:51	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0091.COMP	10	06:52	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0092.Feige34	120	06:54	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0093.COMP	10	06:56	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0094.sn2013U	1800	07:00	10:01:12.0	+00:19:42	300	75	3.0	#2 SN Observat	2	
0095.COMP	10	07:31	10:01:12.0	+00:19:42	300	76	3.0	0 Calibration	2	
0096.sn2013T	2400	07:35	13:10:19.7	+32:28:26	300	90	3.0	#2 SN Observat	2	
0097.COMP	10	08:15	13:10:19.7	+32:28:26	300	89	3.0	0 Calibration	2	
0098.bcand859	1320	08:22	11:10:39.3	-00:30:40	600	89	1.5	#178 Low Mass	4	
0099.COMP	10	08:44	11:10:39.3	-00:30:40	600	90	1.5	0 Calibration	4	
0100.bcand859	1320	08:45	11:10:39.3	-00:30:40	600	90	1.5	#178 Low Mass	4	
0101.COMP	10	09:07	11:10:39.3	-00:30:40	600	90	1.5	0 Calibration	4	
0102.bcand859	1320	09:08	11:10:39.3	-00:30:40	600	90	1.5	#178 Low Mass	4	
0103.COMP	10	09:31	11:10:39.3	-00:30:40	600	90	1.5	0 Calibration	4	

UT Date 2013-02-10 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0104.bcand859	1320	09:31	11:10:39.3	-00:30:40	600	90	1.5	#178 Low Mass	4	
0105.COMP	10	09:54	11:10:39.3	-00:30:40	600	90	1.5	0 Calibration	4	
0106.bcand859	1320	09:54	11:10:39.3	-00:30:40	600	90	1.5	#178 Low Mass	4	
0107.COMP	10	10:17	11:10:39.3	-00:30:40	600	90	1.5	0 Calibration	4	
0108.bcand859	1320	10:18	11:10:39.3	-00:30:40	600	90	1.5	#178 Low Mass	4	
0109.COMP	10	10:41	11:10:39.3	-00:30:40	600	90	1.5	0 Calibration	4	
0110.bcand859	1320	10:42	11:10:39.3	-00:30:40	600	90	1.5	#178 Low Mass	4	
0111.COMP	10	11:04	11:10:39.3	-00:30:40	600	90	1.5	0 Calibration	4	
0112.bcand859	1320	11:05	11:10:39.3	-00:30:40	600	90	1.5	#178 Low Mass	4	
0113.COMP	10	11:28	11:10:39.3	-00:30:40	600	90	1.5	0 Calibration	4	
0114.bcand859	1320	11:28	11:10:39.3	-00:30:40	600	90	1.5	#178 Low Mass	4	
0115.COMP	10	11:51	11:10:39.3	-00:30:40	600	90	1.5	0 Calibration	4	
0116.Feige66	120	11:53	12:37:23.5	+25:04:00	600	90	1.5	#178 Low Mass	4	
0117.COMP	10	11:56	12:37:23.5	+25:04:00	600	90	1.5	0 Calibration	4	
0118.hotwd114	1000	11:58	13:02:35.3	+52:07:11	600	89	1.5	#178 Low Mass	4	
0119.COMP	10	12:15	13:02:35.3	+52:07:11	600	89	1.5	0 Calibration	4	
0120.hotwd115	1380	12:17	13:31:46.4	+18:32:25	600	89	1.5	#178 Low Mass	4	
0121.COMP	10	12:40	13:31:46.4	+18:32:25	600	89	1.5	0 Calibration	4	
0122.hotwd116	380	12:42	13:36:33.7	+06:46:27	600	89	1.5	#178 Low Mass	4	
0123.COMP	10	12:49	13:36:33.7	+06:46:27	600	89	1.5	0 Calibration	4	

UT Date 2013-02-10 Observers M CalkinsColl. 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>
0124.hotwd117	1240	12:51	13:57:04.7	+19:21:33	600	89	1.5	#178 Low Mass	4	
0125.COMP	10	13:12	13:57:04.7	+19:21:33	600	90	1.5	0 Calibration	4	
0126-0145.FLAT	12	13:20	13:57:04.7	+19:21:33	600	90	1.5	0 Calibration	4	
0146-0155.BIAS	0	13:23	13:57:04.7	+19:21:33	600	90	1.5	0 Calibration	4	
0156-0165.BIAS	0	13:36	13:57:04.7	+19:21:33	300	90	3.0	0 Calibration	2	
0166-0175.DARK	900	15:55	13:57:04.7	+19:21:33	300	90	3.0	0 Calibration	2	

UT Date 2013-02-11 Observers IrwinColl. Focus 1380 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	21:41	23:34:47.2	+31:26:07	300	89	3.0	0 Calibration	2	
0002.COMP	5	21:42	23:34:47.2	+31:26:07	300	89	3.0	0 Calibration	2	
0003.DARK	900	21:43	23:34:47.2	+31:26:07	300	89	3.0	0 Calibration	2	standard setup
0004-0007.DARK	900	22:45	23:34:47.2	+31:26:07	300	89	3.0	0 Calibration	2	
0008-0012.DARK	900	00:02	23:34:47.2	+31:26:07	300	89	3.0	0 Calibration	4	
0013-0022.BIAS	0	00:29	23:34:47.2	+31:26:07	300	89	3.0	0 Calibration	4	
0023-0032.FLAT	4	00:31	23:34:47.2	+31:26:07	300	89	3.0	0 Calibration	4	
0033-0042.BIAS	0	00:33	23:34:47.2	+31:26:07	300	89	3.0	0 Calibration	2	
0043-0057.FLAT	7	00:38	23:34:47.2	+31:26:07	300	89	3.0	0 Calibration	2	
0058.G175	3	01:51	01:47:44.8	+63:51:09	300	89	3.0	#215 Grid of W	2	parallactic requested but would have dumped a lot of N2 on the
0059.COMP	10	01:51	01:47:44.8	+63:51:09	300	89	3.0	0 Calibration	2	
0060.G175	6	01:52	01:47:44.8	+63:51:09	300	89	3.0	#215 Grid of W	2	
0061.G175	6	01:52	01:47:44.8	+63:51:09	300	89	3.0	#215 Grid of W	2	
0062.G175	6	01:53	01:47:44.8	+63:51:09	300	89	3.0	#215 Grid of W	2	
0063.G169	60	01:55	01:43:40.7	+63:49:24	300	89	3.0	#215 Grid of W	2	
0064.COMP	10	01:56	01:43:40.7	+63:49:24	300	89	3.0	0 Calibration	2	
0065.GJ9077	50	01:57	02:18:24.6	+56:33:35	300	89	3.0	#215 Grid of W	2	
0066.COMP	10	01:59	02:18:24.6	+56:33:35	300	89	3.0	0 Calibration	2	
0067.G152	100	02:01	01:07:08.2	+63:56:28	300	89	3.0	#215 Grid of W	2	
0068.COMP	10	02:03	01:07:08.2	+63:56:28	300	89	3.0	0 Calibration	2	

UT Date 2013-02-11 Observers IrwinColl. Focus 1380 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0069.GJ144	1	02:06	03:32:55.8	-09:27:29	300	15	3.0	#215 Grid of W	2	seeing not great, good thing for this target
0070.COMP	10	02:06	03:32:55.8	-09:27:29	300	15	3.0	0 Calibration	2	
0071.GJ144	1	02:07	03:32:55.8	-09:27:29	300	15	3.0	#215 Grid of W	2	
0072.GJ144	1	02:07	03:32:55.8	-09:27:29	300	15	3.0	#215 Grid of W	2	
0073.sn2013S	1800	02:11	03:35:30.3	+38:17:00	300	89	3.0	#2 SN Observat	2	
0074.COMP	10	02:42	03:35:30.3	+38:17:00	300	89	3.0	0 Calibration	2	
0075.NGC1700	300	02:44	04:56:56.3	-04:51:57	300	89	3.0	#57 Velocity S	2	
0076.COMP	10	02:49	04:56:56.3	-04:51:57	300	89	3.0	0 Calibration	2	
0077.G191B2B	300	02:52	05:05:30.6	+52:49:52	300	89	3.0	#56 Spectropho	2	
0078.COMP	10	02:57	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0079.cvso-50854481	300	03:00	05:31:23.0	-01:45:03	300	90	3.0	#112 PMS Orion	2	
0080.COMP	10	03:05	05:31:23.0	-01:45:03	300	90	3.0	0 Calibration	2	
0081.cvso-50857704	420	03:06	05:31:29.5	-02:05:00	300	89	3.0	#112 PMS Orion	2	
0082.COMP	10	03:14	05:31:29.5	-02:05:00	300	89	3.0	0 Calibration	2	
0083.cvso-50863174	360	03:15	05:31:40.5	-01:56:05	300	89	3.0	#112 PMS Orion	2	
0084.COMP	10	03:21	05:31:40.5	-01:56:05	300	89	3.0	0 Calibration	2	
0085.cvso-50863610	240	03:22	05:31:41.4	-02:02:41	300	89	3.0	#112 PMS Orion	2	
0086.COMP	10	03:27	05:31:41.4	-02:02:41	300	89	3.0	0 Calibration	2	
0087.cvso-50864377	1040	03:28	05:31:42.9	-02:02:58	300	90	3.0	#112 PMS Orion	2	
0088.COMP	10	03:46	05:31:42.9	-02:02:58	300	90	3.0	0 Calibration	2	

UT Date 2013-02-11 Observers IrwinColl. Focus 1380 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.cvso-50864627	180	03:47	05:31:43.4	-02:02:10	300	90	3.0	#112 PMS Orion	2	
0090.COMP	10	03:50	05:31:43.4	-02:02:10	300	90	3.0	0 Calibration	2	
0091.cvso-50865385	360	03:51	05:31:44.9	-02:12:19	300	90	3.0	#112 PMS Orion	2	
0092.COMP	10	03:58	05:31:44.9	-02:12:19	300	90	3.0	0 Calibration	2	
0093.cvso-50865741	360	04:00	05:31:45.7	-01:34:08	300	90	3.0	#112 PMS Orion	2	
0094.COMP	10	04:06	05:31:45.7	-01:34:08	300	90	3.0	0 Calibration	2	
0095.cvso-50862820	360	04:07	05:31:47.3	-00:13:24	300	90	3.0	#112 PMS Orion	2	
0096.COMP	10	04:14	05:31:47.3	-00:13:24	300	90	3.0	0 Calibration	2	
0097.cvso-50866925	240	04:15	05:31:48.1	-02:03:23	300	89	3.0	#112 PMS Orion	2	
0098.COMP	10	04:19	05:31:48.1	-02:03:23	300	89	3.0	0 Calibration	2	
0099.cvso-50864279	960	04:20	05:31:48.8	-04:37:57	300	89	3.0	#112 PMS Orion	2	
0100.COMP	10	04:37	05:31:48.8	-04:37:57	300	89	3.0	0 Calibration	2	
0101.Hiltner600	90	04:40	06:45:13.4	+02:08:15	300	29	3.0	#56 Spectropho	2	
0102.COMP	10	04:42	06:45:13.4	+02:08:15	300	29	3.0	0 Calibration	2	
0103.cvso-50865923	900	04:43	05:31:52.2	-05:54:14	300	30	3.0	#112 PMS Orion	2	
0104.COMP	10	04:59	05:31:52.2	-05:54:14	300	30	3.0	0 Calibration	2	
0105.cvso-50863299	1080	05:00	05:31:48.3	-00:11:26	300	39	3.0	#112 PMS Orion	2	
0106.COMP	10	05:19	05:31:48.3	-00:11:26	300	39	3.0	0 Calibration	2	
0107.cvso-50863871	360	05:20	05:31:49.5	-00:12:34	300	40	3.0	#112 PMS Orion	2	
0108.COMP	10	05:26	05:31:49.5	-00:12:34	300	40	3.0	0 Calibration	2	

UT Date 2013-02-11 Observers IrwinColl. Focus 1380 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0109.cvso-50862476	960	05:27	05:31:45.1	+05:08:51	300	40	3.0	#112 PMS Orion	2	
0110.COMP	10	05:44	05:31:45.1	+05:08:51	300	40	3.0	0 Calibration	2	
0111.cvso-50863171	1040	05:45	05:31:46.5	+05:38:28	300	40	3.0	#112 PMS Orion	2	
0112.COMP	10	06:03	05:31:46.5	+05:38:28	300	40	3.0	0 Calibration	2	
0113.sn2013V	2400	06:06	09:08:41.5	+44:48:50	300	89	3.0	#2 SN Observat	2	
0114.COMP	10	06:46	09:08:41.5	+44:48:50	300	89	3.0	0 Calibration	2	
0115.HD81809	2	06:49	09:27:46.8	-06:04:17	300	1	3.0	#173 Small Sol	2	
0116.COMP	10	06:50	09:27:46.8	-06:04:17	300	1	3.0	0 Calibration	2	
0117.HD81809	2	06:50	09:27:46.8	-06:04:17	300	1	3.0	#173 Small Sol	2	
0118.HD81809	2	06:51	09:27:46.8	-06:04:17	300	1	3.0	#173 Small Sol	2	
0119.GJ1113	100	06:53	08:40:36.6	+43:06:49	300	1	3.0	#215 Grid of W	2	
0120.COMP	10	06:55	08:40:36.6	+43:06:49	300	1	3.0	0 Calibration	2	
0121.G1321	60	06:56	08:45:10.4	+41:40:18	300	1	3.0	#215 Grid of W	2	
0122.COMP	10	06:57	08:45:10.4	+41:40:18	300	1	3.0	0 Calibration	2	
0123.2013BV15	1800	07:00	10:00:31.0	-14:12:18	300	1	3.0	#173 Small Sol	2	
0124.COMP	10	07:31	10:00:31.0	-14:12:18	300	1	3.0	0 Calibration	2	
0125.2013BV15	1779	07:31	10:00:31.0	-14:12:18	300	1	3.0	#173 Small Sol	2	
0126.2013BV15	1795	08:02	10:00:31.0	-14:12:18	300	1	3.0	#173 Small Sol	2	
0127.COMP	10	08:32	10:00:31.0	-14:12:18	300	1	3.0	0 Calibration	2	
0128.HD84937	30	08:34	09:48:56.1	+13:44:39	300	1	3.0	#56 Spectropho	2	

UT Date 2013-02-11 Observers IrwinColl. Focus 1380 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0129.COMP	10	08:35	09:48:56.1	+13:44:39	300	1	3.0	0 Calibration	2	
0130.Feige34	180	08:36	10:39:36.7	+43:06:09	300	0	3.0	#56 Spectropho	2	
0131.COMP	10	08:40	10:39:36.7	+43:06:09	300	0	3.0	0 Calibration	2	
0132.V419Hya	30	08:43	10:43:28.3	-29:03:51	300	0	3.0	#215 Grid of W	2	
0133.COMP	10	08:44	10:43:28.3	-29:03:51	300	0	3.0	0 Calibration	2	
0134.V419Hya	7	08:47	10:43:28.3	-29:03:51	300	0	3.0	#215 Grid of W	2	oops pls discard
0135.V419Hya	7	08:47	10:43:28.3	-29:03:51	300	0	3.0	#215 Grid of W	2	
0136.V419Hya	7	08:48	10:43:28.3	-29:03:51	300	0	3.0	#215 Grid of W	2	
0137.V419Hya	7	08:48	10:43:28.3	-29:03:51	300	0	3.0	#215 Grid of W	2	
0138.V419Hya	7	08:48	10:43:28.3	-29:03:51	300	0	3.0	#215 Grid of W	2	
0139.V419Hya	7	08:49	10:43:28.3	-29:03:51	300	0	3.0	#215 Grid of W	2	
0140.V419Hya	7	08:49	10:43:28.3	-29:03:51	300	0	3.0	#215 Grid of W	2	
0141.V419Hya	7	08:49	10:43:28.3	-29:03:51	300	0	3.0	#215 Grid of W	2	
0142.V419Hya	7	08:49	10:43:28.3	-29:03:51	300	0	3.0	#215 Grid of W	2	
0143.V419Hya	7	08:50	10:43:28.3	-29:03:51	300	0	3.0	#215 Grid of W	2	
0144.V419Hya	7	08:50	10:43:28.3	-29:03:51	300	0	3.0	#215 Grid of W	2	
0145.FLAT	7	08:51	10:43:28.3	-29:03:51	300	0	3.0	0 Calibration	2	300, 3sec, tiltpos 700, Spahr red
0146-0159.FLAT	7	08:55	10:43:28.3	-29:03:51	300	0	3.0	0 Calibration	2	
0160.2013BV15	1027	08:58	10:03:38.2	-15:04:13	300	0	3.0	#173 Small Sol	2	
0161.COMP	10	09:15	10:03:38.2	-15:04:13	300	0	3.0	0 Calibration	2	

UT Date 2013-02-11 Observers IrwinColl. Focus 1380 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0162.2013BV15	1200	09:17	10:03:38.2	-15:04:13	300	0	3.0	#173 Small Sol	2	
0163.2013BV15	1167	09:37	10:03:38.2	-15:04:13	300	0	3.0	#173 Small Sol	2	
0164.COMP	10	09:57	10:03:38.2	-15:04:13	300	0	3.0	0 Calibration	2	
0165.HD81809	3	09:58	09:27:46.8	-06:04:17	300	0	3.0	#173 Small Sol	2	junk
0166.HD81809	3	09:59	09:27:46.8	-06:04:17	300	0	3.0	#173 Small Sol	2	junk oops forgot to turn bias rate off
0167.HD81809	3	09:59	09:27:46.8	-06:04:17	300	0	3.0	#173 Small Sol	2	
0168.COMP	10	10:00	09:27:46.8	-06:04:17	300	0	3.0	0 Calibration	2	
0169.HD81809	3	10:00	09:27:46.8	-06:04:17	300	0	3.0	#173 Small Sol	2	
0170.HD81809	3	10:01	09:27:46.8	-06:04:17	300	0	3.0	#173 Small Sol	2	
0171.COMP	5	10:07	09:27:46.8	-06:04:17	600	90	1.5	0 Calibration	4	test
0172.COMP	5	10:08	09:27:46.8	-06:04:17	600	90	1.5	0 Calibration	4	test
0173.bcand675	360	10:12	13:00:35.2	+59:04:16	600	88	1.5	#178 Low Mass	4	600, 1.5sec, tiltpos 445, binby4, Brown
0174.COMP	10	10:19	13:00:35.2	+59:04:16	600	88	1.5	0 Calibration	4	
0175.bcand675	360	10:20	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0176.bcand675	360	10:26	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0177.bcand675	360	10:32	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0178.bcand675	360	10:39	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0179.bcand675	360	10:45	13:00:35.2	+59:04:16	600	90	1.5	#178 Low Mass	4	
0180.COMP	10	10:51	13:00:35.2	+59:04:16	600	90	1.5	0 Calibration	4	
0181.bcand675	360	10:52	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	

UT Date 2013-02-11 Observers IrwinColl. Focus 1380 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0182.bcand675	360	10:58	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0183.bcand675	360	11:04	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0184.bcand675	360	11:10	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0185.bcand675	360	11:16	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0186.COMP	10	11:23	13:00:35.2	+59:04:16	600	89	1.5	0 Calibration	4	
0187.bcand675	360	11:24	13:00:35.2	+59:04:16	600	90	1.5	#178 Low Mass	4	
0188.bcand675	360	11:30	13:00:35.2	+59:04:16	600	90	1.5	#178 Low Mass	4	
0189.bcand675	360	11:36	13:00:35.2	+59:04:16	600	90	1.5	#178 Low Mass	4	
0190.bcand675	360	11:43	13:00:35.2	+59:04:16	600	90	1.5	#178 Low Mass	4	
0191.bcand675	360	11:49	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0192.COMP	10	11:55	13:00:35.2	+59:04:16	600	89	1.5	0 Calibration	4	
0193.bcand675	360	11:56	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0194.bcand675	360	12:02	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0195.bcand675	360	12:09	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0196.bcand675	360	12:15	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0197.bcand675	360	12:21	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0198.COMP	10	12:27	13:00:35.2	+59:04:16	600	89	1.5	0 Calibration	4	
0199.bcand675	360	12:28	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0200.bcand675	360	12:34	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0201.bcand675	360	12:41	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	

UT Date 2013-02-11 Observers IrwinColl. Focus 1380 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0202.bcand675	360	12:47	13:00:35.2	+59:04:16	600	89	1.5	#178 Low Mass	4	
0203.bcand675	360	12:53	13:00:35.2	+59:04:16	600	90	1.5	#178 Low Mass	4	
0204.COMP	10	12:59	13:00:35.2	+59:04:16	600	90	1.5	0 Calibration	4	
0205.bcand675	360	13:01	13:00:35.2	+59:04:16	600	90	1.5	#178 Low Mass	4	
0206.bcand675	360	13:07	13:00:35.2	+59:04:16	600	90	1.5	#178 Low Mass	4	
0207.BDp332642	300	13:15	15:51:59.9	+32:56:54	600	90	1.5	#56 Spectropho	4	
0208.COMP	10	13:21	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0209-0223.FLAT	12	13:30	15:34:41.2	+26:42:54	600	90	1.5	0 Calibration	4	
0224-0238.BIAS	0	13:33	15:34:41.2	+26:42:54	600	90	1.5	0 Calibration	4	
0240-0255.BIAS	0	13:41	15:34:41.2	+26:42:54	600	90	1.5	0 Calibration	2	
0256-0260.DARK	900	14:52	15:34:41.2	+26:42:54	600	90	1.5	0 Calibration	2	
0261-0265.DARK	900	16:08	15:34:41.2	+26:42:54	600	90	1.5	0 Calibration	4	

UT Date 2013-02-12 Observers IrwinColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	00:58	02:57:52.5	+31:24:52	600	90	1.5	0 Calibration	2	test
0002.COMP	5	01:04	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	2	test
0003.COMP	5	01:05	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	2	test
0004.COMP	5	01:06	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	2	test
0005.COMP	5	01:08	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	2	test
0006.COMP	5	01:09	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	2	test
0007-0016.BIAS	0	01:17	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	4	
0017-0026.FLAT	4	01:19	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	4	
0027-0036.BIAS	0	01:21	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	2	
0037-0051.FLAT	7	01:25	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	2	
0052-0056.DARK	900	02:30	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	2	
0057-0061.DARK	900	03:46	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	4	
0062-0066.DARK	900	13:53	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	2	
0067-0071.DARK	900	15:09	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	4	

UT Date 2013-02-13 Observers IrwinColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	23:41	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	2	standard setup
0002-0006.DARK	900	00:45	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	2	
0007-0016.BIAS	0	01:10	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	4	
0017-0026.FLAT	4	01:12	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	4	
0027-0036.BIAS	0	01:14	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	2	
0037-0051.FLAT	7	01:18	02:57:52.5	+31:24:52	300	90	3.0	0 Calibration	2	
0052.HIP15900	1	01:36	03:24:48.8	+09:01:45	300	90	3.0	#57 Velocity S	2	test
0053.HIP15900	1	01:36	03:24:48.8	+09:01:45	300	90	3.0	#57 Velocity S	2	test
0054.LkCa3	300	02:07	04:14:47.9	+27:52:34	300	-30	3.0	#215 Grid of W	2	seeing mediocre
0055.COMP	10	02:12	04:14:47.9	+27:52:34	300	-30	3.0	0 Calibration	2	
0056.LkCa4	600	02:13	04:16:28.1	+28:07:35	300	-30	3.0	#215 Grid of W	2	
0057.COMP	10	02:24	04:16:28.1	+28:07:35	300	-30	3.0	0 Calibration	2	
0058.V827Tau	600	02:25	04:32:14.6	+18:20:14	300	0	3.0	#215 Grid of W	2	
0059.COMP	10	02:36	04:32:14.6	+18:20:14	300	0	3.0	0 Calibration	2	
0060.V826Tau	600	02:37	04:32:15.8	+18:01:38	300	1	3.0	#215 Grid of W	2	
0061.COMP	10	02:47	04:32:15.8	+18:01:38	300	1	3.0	0 Calibration	2	
0062.NGC1700	300	02:50	04:56:56.3	-04:51:57	300	0	3.0	#57 Velocity S	2	
0063.COMP	10	02:55	04:56:56.3	-04:51:57	300	0	3.0	0 Calibration	2	
0064.G191B2B	300	02:57	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0065.COMP	10	03:03	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	

UT Date 2013-02-13 Observers IrwinColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0066.sn2013S	1800	03:05	03:35:30.3	+38:17:00	300	90	3.0	#2 SN Observat	2	
0067.COMP	10	03:35	03:35:30.3	+38:17:00	300	90	3.0	0 Calibration	2	
0068.Hiltner600	180	03:37	06:45:13.4	+02:08:15	300	109	3.0	#56 Spectropho	2	
0069.COMP	10	03:40	06:45:13.4	+02:08:15	300	109	3.0	0 Calibration	2	
0070.COMP	5	03:43	06:45:13.4	+02:08:15	300	109	3.0	0 Calibration	2	test
0071.COMP	5	03:44	06:45:13.4	+02:08:15	300	109	3.0	0 Calibration	2	test
0072.FLAT	7	03:46	06:45:13.4	+02:08:15	300	109	3.0	0 Calibration	2	300, tiltpos 700, 3sec, Spahr red
0073-0086.FLAT	7	03:50	06:45:13.4	+02:08:15	300	109	3.0	0 Calibration	2	
0087.Eulalia.495	1200	03:52	04:31:03.4	+18:59:30	300	61	3.0	#173 Small Sol	2	
0088.COMP	10	04:13	04:31:03.4	+18:59:30	300	61	3.0	0 Calibration	2	
0089.Eulalia.495	1200	04:14	04:31:03.4	+18:59:30	300	61	3.0	#173 Small Sol	2	
0090.COMP	10	04:34	04:31:03.4	+18:59:30	300	61	3.0	0 Calibration	2	
0091.Eulalia.495	1200	04:35	04:31:03.4	+18:59:30	300	61	3.0	#173 Small Sol	2	
0092.COMP	10	04:56	04:31:03.4	+18:59:30	300	61	3.0	0 Calibration	2	
0093.HD25680	2	04:57	04:05:20.3	+22:00:32	300	61	3.0	#173 Small Sol	2	
0094.COMP	10	04:57	04:05:20.3	+22:00:32	300	61	3.0	0 Calibration	2	
0095.HD25680	2	04:58	04:05:20.3	+22:00:32	300	61	3.0	#173 Small Sol	2	
0096.HD25680	2	04:58	04:05:20.3	+22:00:32	300	61	3.0	#173 Small Sol	2	
0097.Stephania.220	1200	05:03	08:30:50.0	+09:15:27	300	-10	3.0	#173 Small Sol	2	
0098.COMP	10	05:23	08:30:50.0	+09:15:27	300	-10	3.0	0 Calibration	2	

UT Date 2013-02-13 Observers IrwinColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0099.Stephania.220	1200	05:24	08:30:50.0	+09:15:27	300	-19	3.0	#173 Small Sol	2	
0100.Stephania.220	1200	05:45	08:30:50.0	+09:15:27	300	-5	3.0	#173 Small Sol	2	
0101.COMP	10	06:05	08:30:50.0	+09:15:27	300	-5	3.0	0 Calibration	2	
0102.PG0918p029C	300	06:09	09:21:42.3	+02:46:36	300	-29	3.0	#173 Small Sol	2	
0103.COMP	10	06:14	09:21:42.3	+02:46:36	300	-29	3.0	0 Calibration	2	
0104.PG0918p029C	300	06:15	09:21:42.3	+02:46:36	300	-29	3.0	#173 Small Sol	2	
0105.PG0918p029C	300	06:20	09:21:42.3	+02:46:36	300	-29	3.0	#173 Small Sol	2	
0106.HD89010	3	06:28	10:16:32.3	+23:30:11	300	110	3.0	#173 Small Sol	2	
0107.COMP	10	06:29	10:16:32.3	+23:30:11	300	110	3.0	0 Calibration	2	
0108.HD89010	3	06:29	10:16:32.3	+23:30:11	300	110	3.0	#173 Small Sol	2	
0109.HD89010	3	06:30	10:16:32.3	+23:30:11	300	110	3.0	#173 Small Sol	2	
0110.Sulamitis.752	480	06:32	10:29:59.4	+19:22:26	300	110	3.0	#173 Small Sol	2	
0111.COMP	10	06:40	10:29:59.4	+19:22:26	300	110	3.0	0 Calibration	2	
0112.Sulamitis.752	480	06:41	10:29:59.4	+19:22:26	300	110	3.0	#173 Small Sol	2	
0113.COMP	10	06:49	10:29:59.4	+19:22:26	300	110	3.0	0 Calibration	2	
0114.Sulamitis.752	480	06:50	10:29:59.4	+19:22:26	300	110	3.0	#173 Small Sol	2	
0115.COMP	10	06:58	10:29:59.4	+19:22:26	300	110	3.0	0 Calibration	2	
0116.COMP	5	07:01	10:29:59.4	+19:22:26	300	91	3.0	0 Calibration	2	test
0117.COMP	5	07:02	10:29:59.4	+19:22:26	300	91	3.0	0 Calibration	2	test
0118.FLAT	7	07:04	10:29:59.4	+19:22:26	300	91	3.0	0 Calibration	2	standard setup

UT Date 2013-02-13 Observers IrwinColl. Focus 1350 Grating/Grism 300

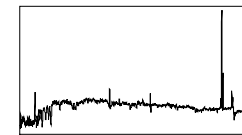
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0119-0132.FLAT	7	07:08	10:29:59.4	+19:22:26	300	91	3.0	0 Calibration	2	
0133.sn2013V	2400	07:10	09:08:41.5	+44:48:50	300	90	3.0	#2 SN Observat	2	
0134.COMP	10	07:50	09:08:41.5	+44:48:50	300	90	3.0	0 Calibration	2	
0135.HD84937	30	07:52	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0136.COMP	10	07:52	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0137.HD84937	30	07:53	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0138.HD84937	30	07:54	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0139.dC101548p0946	1500	07:55	10:15:48.9	+09:46:50	300	90	3.0	#99 Director	2	
0140.COMP	10	08:21	10:15:48.9	+09:46:50	300	90	3.0	0 Calibration	2	
0141.dC112633p0441	1500	08:22	11:26:34.0	+04:41:38	300	90	3.0	#99 Director	2	
0142.COMP	10	08:48	11:26:34.0	+04:41:38	300	90	3.0	0 Calibration	2	
0143.V419Hya	30	08:52	10:43:28.3	-29:03:51	300	5	3.0	#215 Grid of W	2	
0144.COMP	10	08:52	10:43:28.3	-29:03:51	300	5	3.0	0 Calibration	2	
0145.Feige34	180	08:55	10:39:36.7	+43:06:09	300	5	3.0	#56 Spectropho	2	
0146.COMP	10	08:59	10:39:36.7	+43:06:09	300	5	3.0	0 Calibration	2	
0147.COMP	5	09:01	10:39:36.7	+43:06:09	300	5	3.0	0 Calibration	2	test
0148.FLAT	7	09:02	10:39:36.7	+43:06:09	300	5	3.0	0 Calibration	2	300, tiltpos 700, 3sec, Spahr red
0149-0162.FLAT	7	09:06	10:39:36.7	+43:06:09	300	5	3.0	0 Calibration	2	
0163.2007PA8.214869	1800	09:19	11:38:16.2	+03:37:23	300	-20	3.0	#173 Small Sol	2	
0164.COMP	10	09:50	11:38:16.2	+03:37:23	300	-20	3.0	0 Calibration	2	

UT Date 2013-02-13 Observers IrwinColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0165.2007PA8.214869	1800	09:50	11:38:16.2	+03:37:23	300	-20	3.0	#173 Small Sol	2	
0166.COMP	10	10:21	11:38:16.2	+03:37:23	300	-20	3.0	0 Calibration	2	
0167.2007PA8.214869	1800	10:21	11:38:16.2	+03:37:23	300	-20	3.0	#173 Small Sol	2	
0168.COMP	10	10:52	11:38:16.2	+03:37:23	300	-20	3.0	0 Calibration	2	
0169.SA103m204	120	10:55	11:57:27.0	-00:56:54	300	-1	3.0	#173 Small Sol	2	
0170.COMP	10	10:57	11:57:27.0	-00:56:54	300	-1	3.0	0 Calibration	2	
0171.SA103m204	120	10:58	11:57:27.0	-00:56:54	300	-1	3.0	#173 Small Sol	2	
0172.SA103m204	120	11:00	11:57:27.0	-00:56:54	300	0	3.0	#173 Small Sol	2	
0173.COMP	5	11:05	11:57:27.0	-00:56:54	300	90	3.0	0 Calibration	2	test
0174.COMP	5	11:06	11:57:27.0	-00:56:54	300	90	3.0	0 Calibration	2	test
0175.psn122118p1130	1500	11:11	12:21:18.0	+11:30:25	300	90	3.0	#2 SN Observat	2	standard setup
0176.COMP	10	11:37	12:21:18.0	+11:30:25	300	90	3.0	0 Calibration	2	
0177.RWHya	2	11:41	13:34:18.0	-25:22:51	300	6	3.0	#12 Symbiotic	2	
0178.RWHya	10	11:41	13:34:18.0	-25:22:51	300	6	3.0	#12 Symbiotic	2	
0179.RWHya	20	11:41	13:34:18.0	-25:22:51	300	6	3.0	#12 Symbiotic	2	
0180.COMP	10	11:42	13:34:18.0	-25:22:51	300	6	3.0	0 Calibration	2	
0181.dC112633p0441	1500	11:46	11:26:34.0	+04:41:38	300	49	3.0	#99 Director	2	
0182.COMP	10	12:12	11:26:34.0	+04:41:38	300	49	3.0	0 Calibration	2	
0183.TXCVn	10	12:13	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0184.TXCVn	30	12:14	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	

UT Date 2013-02-13 Observers IrwinColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0185.COMP	10	12:15	12:44:42.0	+36:45:48	300	90	3.0	0 Calibration	2	
0186.master133253p3557	1500	12:16	13:32:53.3	+35:57:33	300	90	3.0	#2 SN Observat	2	
0187.COMP	10	12:42	13:32:53.3	+35:57:33	300	90	3.0	0 Calibration	2	
0188.SDSS1650+4251	1200	12:46	16:50:43.4	+42:51:45	300	70	3.0	#99 DD	2	
0189.COMP	10	13:06	16:50:43.4	+42:51:45	300	70	3.0	0 Calibration	2	
0190.BDp332642	120	13:08	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0191.COMP	10	13:10	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0192.TCrB	15	13:11	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0193.TCrB	60	13:11	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0194.COMP	10	13:13	15:59:30.0	+25:55:12	300	90	3.0	0 Calibration	2	
0195.BDp262606	60	13:14	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0196.COMP	10	13:16	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0197-0206.BIAS	0	13:20	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	4	
0207-0216.FLAT	4	13:22	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	4	
0217-0226.BIAS	0	13:24	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0227-0241.FLAT	7	13:29	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0242-0246.DARK	900	14:39	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0247-0251.DARK	900	15:55	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	4	

UT Date 2013-02-14 Observers IrwinColl. Focus 1380 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	23:33	14:49:02.4	+25:42:09	1200	90	2.0	0 Calibration	2	test
0002.COMP	5	23:35	14:49:02.4	+25:42:09	1200	90	2.0	0 Calibration	2	test
0003.COMP	5	23:37	14:49:02.4	+25:42:09	1200	90	2.0	0 Calibration	2	test
0004-0008.DARK	900	00:40	14:49:02.4	+25:42:09	1200	90	2.0	0 Calibration	2	
0009-0023.BIAS	0	01:08	14:49:02.4	+25:42:09	1200	90	2.0	0 Calibration	2	
0024.FLAT	15	01:10	14:49:02.4	+25:42:09	1200	90	2.0	0 Calibration	2	1200, tiltpos 750, 2sec, gg495, binby2, Zexas Be/X
0025-0038.FLAT	15	01:16	14:49:02.4	+25:42:09	1200	90	2.0	0 Calibration	2	
0039.HIP17448	1	01:31	03:44:19.1	+32:17:18	1200	90	2.0	#57 Velocity S	2	test
0040.HIP17448	1	01:31	03:44:19.1	+32:17:18	1200	90	2.0	#57 Velocity S	2	test
0041.HIP17448	1	01:31	03:44:19.1	+32:17:18	1200	90	2.0	#57 Velocity S	2	test
0042.COMP	10	01:34	03:44:19.1	+32:17:18	1200	90	2.0	0 Calibration	2	test
0043.XPer	4	01:58	03:55:23.0	+31:02:45	1200	90	2.0	#176 Be/X-ray	2	
0044.COMP	10	01:58	03:55:23.0	+31:02:45	1200	90	2.0	0 Calibration	2	
0045.XPer	4	02:00	03:55:23.0	+31:02:45	1200	90	2.0	#176 Be/X-ray	2	
0046.XPer	4	02:00	03:55:23.0	+31:02:45	1200	90	2.0	#176 Be/X-ray	2	
0047.HD19445	30	02:01	03:08:26.3	+26:20:29	1200	90	2.0	#176 Be/X-ray	2	
0048.COMP	10	02:02	03:08:26.3	+26:20:29	1200	90	2.0	0 Calibration	2	
0049.HD19445	30	02:03	03:08:26.3	+26:20:29	1200	90	2.0	#176 Be/X-ray	2	
0050.HD19445	30	02:04	03:08:26.3	+26:20:29	1200	90	2.0	#176 Be/X-ray	2	
0051.A0535p262	60	02:06	05:38:54.5	+26:18:57	1200	90	2.0	#176 Be/X-ray	2	

UT Date 2013-02-14 Observers IrwinColl. Focus 1380 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.COMP	10	02:08	05:38:54.5	+26:18:57	1200	90	2.0	0 Calibration	2	
0053.LSIp61303	60	02:10	02:40:31.6	+61:13:46	1200	90	2.0	#176 Be/X-ray	2	
0054.COMP	10	02:11	02:40:31.6	+61:13:46	1200	90	2.0	0 Calibration	2	
0055.RXJ01469p6121	240	02:13	01:47:00.0	+61:21:23	1200	90	2.0	#176 Be/X-ray	2	
0056.COMP	10	02:17	01:47:00.0	+61:21:23	1200	90	2.0	0 Calibration	2	
0057.IGRJ01363p6610	600	02:19	01:35:49.8	+66:12:43	1200	90	2.0	#176 Be/X-ray	2	
0058.COMP	10	02:29	01:35:49.8	+66:12:43	1200	90	2.0	0 Calibration	2	
0059.4U0115p634	1800	02:32	01:18:32.0	+63:44:33	1200	39	2.0	#176 Be/X-ray	2	
0060.COMP	10	03:03	01:18:32.0	+63:44:33	1200	39	2.0	0 Calibration	2	
0061.IGRJ01583p6713	1500	03:06	01:58:18.2	+67:13:26	1200	64	2.0	#176 Be/X-ray	2	
0062.COMP	10	03:31	01:58:18.2	+67:13:26	1200	64	2.0	0 Calibration	2	
0063.V0332p53	1800	03:33	03:34:59.8	+53:10:24	1200	64	2.0	#176 Be/X-ray	2	keep adjusting scope focus every target, seemingly to no avail
0064.COMP	10	04:03	03:34:59.8	+53:10:24	1200	64	2.0	0 Calibration	2	
0065.RXJ04409p4431	300	04:05	04:41:00.6	+44:31:50	1200	65	2.0	#176 Be/X-ray	2	starting to wonder if it is the spectrograph focus
0066.COMP	10	04:10	04:41:00.6	+44:31:50	1200	65	2.0	0 Calibration	2	but these lines seem okay, 2.46 pix fwhm, no donut profiles
0067.IGRJ06074p2205	600	04:12	06:07:26.6	+22:05:48	1200	65	2.0	#176 Be/X-ray	2	
0068.COMP	10	04:22	06:07:26.6	+22:05:48	1200	65	2.0	0 Calibration	2	
0069.MXBO656-072	900	04:26	06:58:17.2	-07:12:35	1200	90	2.0	#176 Be/X-ray	2	
0070.COMP	10	04:41	06:58:17.2	-07:12:35	1200	89	2.0	0 Calibration	2	
0071.COMP	5	04:47	06:58:17.2	-07:12:35	300	89	3.0	0 Calibration	2	test

UT Date 2013-02-14 Observers IrwinColl. Focus 1380 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.sn2013S	1800	04:51	03:35:30.3	+38:17:00	300	90	3.0	#2 SN Observat	2	standard setup
0073.COMP	10	05:21	03:35:30.3	+38:17:00	300	91	3.0	0 Calibration	2	
0074.Hiltner600	90	05:25	06:45:13.4	+02:08:15	300	1	3.0	#56 Spectropho	2	huge focus chg, iq not great on guider
0075.COMP	10	05:27	06:45:13.4	+02:08:15	300	1	3.0	0 Calibration	2	
0076.cvso-50867577	1040	05:32	05:31:55.5	+05:00:01	300	0	3.0	#112 PMS Orion	2	but spatial profiles seem their usual selves after grat chg
0077.COMP	10	05:50	05:31:55.5	+05:00:01	300	0	3.0	0 Calibration	2	
0078.cvso-50869141	240	05:52	05:32:00.2	+00:04:28	300	1	3.0	#112 PMS Orion	2	
0079.COMP	10	05:56	05:32:00.2	+00:04:28	300	1	3.0	0 Calibration	2	
0080-0094.FLAT	7	06:03	05:32:00.2	+00:04:28	300	90	3.0	0 Calibration	2	
0095.dC101548p0946	1500	06:05	10:15:48.9	+09:46:50	300	89	3.0	#99 Director	2	mirror seems happy again after going east
0096.COMP	10	06:30	10:15:48.9	+09:46:50	300	89	3.0	0 Calibration	2	
0097.sn2013V	2400	06:33	09:08:41.5	+44:48:50	300	90	3.0	#2 SN Observat	2	
0098.COMP	10	07:14	09:08:41.5	+44:48:50	300	90	3.0	0 Calibration	2	
0099.dC112633p0441	1500	07:17	11:26:34.0	+04:41:38	300	88	3.0	#99 Director	2	
0100.COMP	10	07:42	11:26:34.0	+04:41:38	300	88	3.0	0 Calibration	2	
0101.HD84937	30	07:44	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0102.COMP	10	07:44	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0103.HD84937	30	07:45	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0104.HD84937	30	07:46	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0105.NGC3245	600	07:48	10:27:18.4	+28:30:27	300	-3	3.0	#199 Optical n	2	

UT Date 2013-02-14 Observers IrwinColl. Focus 1380 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0106.COMP	10	07:58	10:27:18.4	+28:30:27	300	-3	3.0	0 Calibration	2	
0107.NGC3245	600	07:59	10:27:18.4	+28:30:27	300	-3	3.0	#199 Optical n	2	
0108.NGC3245	600	08:09	10:27:18.4	+28:30:27	300	-3	3.0	#199 Optical n	2	
0109.COMP	10	08:19	10:27:18.4	+28:30:27	300	-3	3.0	0 Calibration	2	
0110.Feige34	180	08:21	10:39:36.7	+43:06:09	300	-3	3.0	#56 Spectropho	2	
0111.COMP	10	08:24	10:39:36.7	+43:06:09	300	-3	3.0	0 Calibration	2	
0112.N3377	300	08:26	10:47:42.4	+13:59:08	300	-3	3.0	#57 Velocity S	2	
0113.COMP	10	08:31	10:47:42.4	+13:59:08	300	-3	3.0	0 Calibration	2	
0114.NGC3729	600	08:34	11:33:49.3	+53:07:32	300	-13	3.0	#199 Optical n	2	
0115.COMP	10	08:44	11:33:49.3	+53:07:32	300	-13	3.0	0 Calibration	2	
0116.NGC3729	600	08:45	11:33:49.3	+53:07:32	300	-13	3.0	#199 Optical n	2	
0117.NGC3729	600	08:55	11:33:49.3	+53:07:32	300	-13	3.0	#199 Optical n	2	
0118.COMP	10	09:05	11:33:49.3	+53:07:32	300	-13	3.0	0 Calibration	2	
0119.dC101548p0946	1500	09:09	10:15:48.9	+09:46:50	300	91	3.0	#99 Director	2	
0120.COMP	10	09:34	10:15:48.9	+09:46:50	300	91	3.0	0 Calibration	2	
0121.dC112633p0441	1500	09:35	11:26:34.0	+04:41:38	300	91	3.0	#99 Director	2	
0122.COMP	10	10:01	11:26:34.0	+04:41:38	300	90	3.0	0 Calibration	2	
0123.COMP	5	10:07	11:26:34.0	+04:41:38	600	90	1.5	0 Calibration	4	test
0124.COMP	5	10:08	11:26:34.0	+04:41:38	600	90	1.5	0 Calibration	4	test
0125.COMP	5	10:09	11:26:34.0	+04:41:38	600	90	1.5	0 Calibration	4	test

UT Date 2013-02-14 Observers IrwinColl. Focus 1380 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0126.sw1520	780	10:13	15:20:42.0	+49:51:41	600	90	1.5	#178 Low Mass	4	
0127.COMP	10	10:26	15:20:42.0	+49:51:41	600	90	1.5	0 Calibration	4	
0128.sw1520	780	10:27	15:20:42.0	+49:51:41	600	90	1.5	#178 Low Mass	4	
0129.sw1520	780	10:40	15:20:42.0	+49:51:41	600	90	1.5	#178 Low Mass	4	
0130.COMP	10	10:53	15:20:42.0	+49:51:41	600	90	1.5	0 Calibration	4	
0131.sw1520	780	10:55	15:20:42.0	+49:51:41	600	90	1.5	#178 Low Mass	4	
0132.sw1520	780	11:08	15:20:42.0	+49:51:41	600	90	1.5	#178 Low Mass	4	
0133.COMP	10	11:22	15:20:42.0	+49:51:41	600	89	1.5	0 Calibration	4	
0134.sw1520	780	11:23	15:20:42.0	+49:51:41	600	89	1.5	#178 Low Mass	4	
0135.sw1520	780	11:36	15:20:42.0	+49:51:41	600	90	1.5	#178 Low Mass	4	
0136.COMP	10	11:49	15:20:42.0	+49:51:41	600	90	1.5	0 Calibration	4	
0137.sw1520	780	11:51	15:20:42.0	+49:51:41	600	90	1.5	#178 Low Mass	4	
0138.sw1520	780	12:04	15:20:42.0	+49:51:41	600	89	1.5	#178 Low Mass	4	
0139.COMP	10	12:17	15:20:42.0	+49:51:41	600	89	1.5	0 Calibration	4	
0140.sw1520	780	12:18	15:20:42.0	+49:51:41	600	89	1.5	#178 Low Mass	4	
0141.sw1520	780	12:31	15:20:42.0	+49:51:41	600	90	1.5	#178 Low Mass	4	seeing deteriorating
0142.COMP	10	12:45	15:20:42.0	+49:51:41	600	90	1.5	0 Calibration	4	
0143.sw1520	780	12:45	15:20:42.0	+49:51:41	600	90	1.5	#178 Low Mass	4	
0144.sw1520	780	12:58	15:20:42.0	+49:51:41	600	90	1.5	#178 Low Mass	4	
0145.COMP	10	13:12	15:20:42.0	+49:51:41	600	90	1.5	0 Calibration	4	

UT Date 2013-02-14 Observers IrwinColl. Focus 1380 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0146.BDp332642	300	13:13	15:51:59.9	+32:56:54	600	90	1.5	#56 Spectropho	4	
0147.COMP	10	13:18	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0148-0162.FLAT	12	13:27	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0163-0177.BIAS	0	13:29	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0178-0192.BIAS	0	13:32	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	2	
0193-0197.DARK	900	14:42	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	2	
0198-0202.DARK	900	15:59	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	

UT Date 2013-02-15 Observers IrwinColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	23:49	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0002-0004.DARK	900	00:23	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0005.BIAS	0	00:46	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	4	standard setup
0006-0014.BIAS	0	00:47	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	4	
0015-0024.FLAT	4	00:50	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	4	
0025-0034.BIAS	0	00:52	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0035-0049.FLAT	7	00:56	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0050.G1155.2	30	01:58	03:55:03.8	+61:10:00	300	90	3.0	#215 Grid of W	2	weak
0051.COMP	10	01:59	03:55:03.8	+61:10:00	300	90	3.0	0 Calibration	2	
0052.G1155.2	60	01:59	03:55:03.8	+61:10:00	300	90	3.0	#215 Grid of W	2	not gonna try parallactic up here again after last experience,
0053.GJ9139	90	02:02	04:01:19.6	+76:09:33	300	90	3.0	#215 Grid of W	2	thin cirrus, cloud expected to thicken later
0054.COMP	10	02:03	04:01:19.6	+76:09:33	300	90	3.0	0 Calibration	2	
0055.G1158	90	02:07	04:03:15.0	+35:16:23	300	90	3.0	#215 Grid of W	2	
0056.COMP	10	02:09	04:03:15.0	+35:16:23	300	90	3.0	0 Calibration	2	
0057.G1169	50	02:10	04:29:00.1	+21:55:21	300	21	3.0	#215 Grid of W	2	
0058.COMP	10	02:11	04:29:00.1	+21:55:21	300	21	3.0	0 Calibration	2	
0059.G1171	45	02:13	04:36:06.2	+55:24:44	300	21	3.0	#215 Grid of W	2	
0060.COMP	10	02:14	04:36:06.2	+55:24:44	300	21	3.0	0 Calibration	2	
0061.G1171	75	02:15	04:36:06.2	+55:24:44	300	21	3.0	#215 Grid of W	2	
0062.EGAnd	1	02:18	00:44:37.0	+40:40:47	300	71	3.0	#12 Symbiotic	2	

UT Date 2013-02-15 Observers IrwinColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0063.EGAnd	5	02:18	00:44:37.0	+40:40:47	300	71	3.0	#12 Symbiotic	2	
0064.EGAnd	10	02:19	00:44:37.0	+40:40:47	300	71	3.0	#12 Symbiotic	2	
0065.COMP	10	02:19	00:44:37.0	+40:40:47	300	71	3.0	0 Calibration	2	
0066.AXPer	4	02:20	01:36:23.0	+54:15:03	300	71	3.0	#12 Symbiotic	2	
0067.AXPer	30	02:21	01:36:23.0	+54:15:03	300	71	3.0	#12 Symbiotic	2	
0068.AXPer	90	02:21	01:36:23.0	+54:15:03	300	71	3.0	#12 Symbiotic	2	
0069.COMP	10	02:23	01:36:23.0	+54:15:03	300	71	3.0	0 Calibration	2	
0070.GITau	240	02:25	04:33:34.0	+24:21:18	300	71	3.0	#12 Symbiotic	2	
0071.COMP	10	02:29	04:33:34.0	+24:21:18	300	71	3.0	0 Calibration	2	
0072.GKTau	240	02:30	04:33:34.5	+24:21:07	300	71	3.0	#12 Symbiotic	2	
0073.COMP	10	02:35	04:33:34.5	+24:21:07	300	71	3.0	0 Calibration	2	
0074.LkCa3	300	02:36	04:14:47.9	+27:52:34	300	70	3.0	#215 Grid of W	2	
0075.COMP	10	02:42	04:14:47.9	+27:52:34	300	70	3.0	0 Calibration	2	
0076.LkCa4	600	02:43	04:16:28.1	+28:07:35	300	71	3.0	#215 Grid of W	2	
0077.COMP	10	02:53	04:16:28.1	+28:07:35	300	71	3.0	0 Calibration	2	
0078.G191B2B	300	02:55	05:05:30.6	+52:49:52	300	71	3.0	#56 Spectropho	2	
0079.COMP	10	03:00	05:05:30.6	+52:49:52	300	69	3.0	0 Calibration	2	
0080.V827Tau	600	03:03	04:32:14.6	+18:20:14	300	40	3.0	#215 Grid of W	2	moon + thin clouds = west yucky
0081.COMP	10	03:14	04:32:14.6	+18:20:14	300	40	3.0	0 Calibration	2	
0082.V826Tau	600	03:15	04:32:15.8	+18:01:38	300	40	3.0	#215 Grid of W	2	

UT Date 2013-02-15 Observers IrwinColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.COMP	10	03:25	04:32:15.8	+18:01:38	300	40	3.0	0 Calibration	2	
0084.sn2013S	1800	03:28	03:35:30.3	+38:17:00	300	89	3.0	#2 SN Observat	2	seeing deteriorating
0085.COMP	10	03:59	03:35:30.3	+38:17:00	300	89	3.0	0 Calibration	2	
0086.BGGem	300	04:01	06:03:31.0	+27:41:50	300	40	3.0	#12 Symbiotic	2	seeing about 3 arcsec
0087.COMP	10	04:07	06:03:31.0	+27:41:50	300	40	3.0	0 Calibration	2	
0088.cvso-50865307	2100	04:09	05:31:52.3	-04:23:31	300	90	3.0	#112 PMS Orion	2	seeing horrific mid exposure
0089.COMP	10	04:45	05:31:52.3	-04:23:31	300	90	3.0	0 Calibration	2	
0090.Hiltner600	150	04:49	06:45:13.4	+02:08:15	300	11	3.0	#56 Spectropho	2	
0091.COMP	10	04:52	06:45:13.4	+02:08:15	300	11	3.0	0 Calibration	2	
0092.cvso-50868787	540	04:54	05:31:58.0	-05:26:53	300	10	3.0	#112 PMS Orion	2	
0093.COMP	10	05:03	05:31:58.0	-05:26:53	300	10	3.0	0 Calibration	2	
0094.cvso-50871115	360	05:04	05:31:56.6	-00:31:09	300	10	3.0	#112 PMS Orion	2	
0095.COMP	10	05:11	05:31:56.6	-00:31:09	300	10	3.0	0 Calibration	2	
0096.BXMon	15	05:13	07:25:23.0	-03:35:51	300	10	3.0	#12 Symbiotic	2	
0097.BXMon	180	05:13	07:25:23.0	-03:35:51	300	10	3.0	#12 Symbiotic	2	conditions awful, cloud thickening
0098.BXMon	360	05:16	07:25:23.0	-03:35:51	300	11	3.0	#12 Symbiotic	2	
0099.COMP	10	05:23	07:25:23.0	-03:35:51	300	11	3.0	0 Calibration	2	
0100.SS129	300	05:24	07:32:45.0	-26:49:16	300	11	3.0	#12 Symbiotic	2	hope these are of some use... but I doubt it
0101.SS129	300	05:30	07:32:45.0	-26:49:16	300	11	3.0	#12 Symbiotic	2	
0102.COMP	10	05:35	07:32:45.0	-26:49:16	300	11	3.0	0 Calibration	2	

UT Date 2013-02-15 Observers IrwinColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0103.cvso-50872274	420	05:39	05:31:59.0	-01:44:17	300	11	3.0	#112 PMS Orion	2	cloud thinning
0104.COMP	10	05:46	05:31:59.0	-01:44:17	300	11	3.0	0 Calibration	2	
0105.cvso-50872572	600	05:48	05:31:59.6	-02:12:54	300	10	3.0	#112 PMS Orion	2	seeing improved
0106.COMP	10	05:58	05:31:59.6	-02:12:54	300	10	3.0	0 Calibration	2	
0107.cvso-50868870	720	05:59	05:31:59.7	-00:03:56	300	10	3.0	#112 PMS Orion	2	seeing really much better now
0108.COMP	10	06:12	05:31:59.7	-00:03:56	300	11	3.0	0 Calibration	2	
0109.sn2013V	2400	06:16	09:08:41.5	+44:48:50	300	89	3.0	#2 SN Observat	2	not bad all things considered
0110.COMP	10	06:57	09:08:41.5	+44:48:50	300	90	3.0	0 Calibration	2	
0111.NGC3811	1200	07:00	11:41:16.6	+47:41:27	300	20	3.0	#199 Optical n	2	hopeless, abandoning observations for now
0112.COMP	10	07:21	11:41:16.6	+47:41:27	300	20	3.0	0 Calibration	2	
0113-0122.BIAS	0	11:50	11:41:16.6	+47:41:27	300	90	3.0	0 Calibration	4	
0123-0132.FLAT	4	11:52	11:41:16.6	+47:41:27	300	90	3.0	0 Calibration	4	
0134.BIAS	0	12:00	11:41:16.6	+47:41:27	300	90	3.0	0 Calibration	2	
0135-0149.FLAT	7	12:05	11:41:16.6	+47:41:27	300	90	3.0	0 Calibration	2	
0150-0154.DARK	900	13:18	11:41:16.6	+47:41:27	300	90	3.0	0 Calibration	2	
0155-0159.DARK	900	14:35	11:41:16.6	+47:41:27	300	90	3.0	0 Calibration	4	