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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	2:14	10:06:59.6	+31:30:56	300	90	3.0	#56 Spectropho	4	start of FAST run
0002-0004.BIAS	0	2:14	10:07:21.0	+31:30:56	300	90	3.0	#56 Spectropho	4	
0005-0010.BIAS	0	2:15	10:08:00.3	+31:30:57	300	90	3.0	#56 Spectropho	4	
0011-0020.FLAT	8	2:18	10:11:24.1	+31:30:57	300	90	3.0	#56 Spectropho	4	
0021-0024.BIAS	0	2:19	10:12:20.3	+31:30:57	300	90	3.0	#56 Spectropho	2	
0025-0030.BIAS	0	2:21	10:13:38.3	+31:30:58	300	90	3.0	#56 Spectropho	2	
0031-0036.FLAT	16	2:24	10:17:11.3	+31:30:58	300	90	3.0	#56 Spectropho	2	
0037-0040.FLAT	16	2:26	10:19:34.2	+31:30:59	300	90	3.0	#56 Spectropho	2	
0041-0045.sky	6	2:31	10:22:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	2:32	10:22:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0047.Feige34	120	3:05	10:36:41.2	43:21:50	300	-15	3.0	#56 Spectropho	2	
0048.Feige34	120	3:07	10:36:41.2	43:21:50	300	-15	3.0	#56 Spectropho	2	
0049.COMP	10	3:10	10:36:41.2	43:21:50	300	-15	3.0	#56 Spectropho	2	
0050.HD84937	12	3:13	09:48:56.1	13:44:39	300	42	3.0	#56 Spectropho	2	
0051.HD84937	12	3:13	09:48:56.1	13:44:39	300	42	3.0	#56 Spectropho	2	
0052.HD84937	12	3:14	09:48:56.1	13:44:39	300	42	3.0	#56 Spectropho	2	
0053.HD84937	12	3:14	09:48:56.1	13:44:39	300	42	3.0	#56 Spectropho	2	
0054.HD84937	12	3:14	09:48:56.1	13:44:39	300	42	3.0	#56 Spectropho	2	
0055.COMP	10	3:15	09:48:56.1	13:44:39	300	42	3.0	#56 Spectropho	2	
0056.N3227	150	3:16	10:23:30.6	+19:51:54	300	42	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0057.N3227	150	3:19	10:23:30.6	+19:51:54	300	42	3.0	#6 AGN Monitor	4	
0058.COMP	5	3:22	10:23:30.6	+19:51:54	300	42	3.0	#6 AGN Monitor	4	
0059.MRK421	360	3:23	11:04:27.4	+38:12:32	300	0	3.0	#6 AGN Monitor	4	
0060.MRK421	360	3:29	11:04:27.4	+38:12:32	300	0	3.0	#6 AGN Monitor	4	
0061.COMP	5	3:35	11:04:27.4	+38:12:32	300	0	3.0	#6 AGN Monitor	4	
0062.HD84937blue	12	3:40	09:48:56.1	13:44:39	300	50	3.0	#56 Spectropho	2	blue tilt
0063.HD84937blue	12	3:40	09:48:56.1	13:44:39	300	50	3.0	#56 Spectropho	2	
0064.HD84937blue	12	3:41	09:48:56.1	13:44:39	300	50	3.0	#56 Spectropho	2	
0065.HD84937blue	12	3:41	09:48:56.1	13:44:39	300	50	3.0	#56 Spectropho	2	
0066.HD84937blue	12	3:41	09:48:56.1	13:44:39	300	50	3.0	#56 Spectropho	2	
0067.COMP	10	3:42	09:48:56.1	13:44:39	300	50	3.0	#56 Spectropho	2	
0068.Feige34	120	3:44	10:36:41.2	43:21:50	300	-40	3.0	#56 Spectropho	2	
0069.Feige34	120	3:46	10:36:41.2	43:21:50	300	-40	3.0	#56 Spectropho	2	
0070.COMP	10	3:49	10:36:41.2	43:21:50	300	-40	3.0	#56 Spectropho	2	
0071.sn2004bn	1200	3:56	10:52:31.0	+07:13:41	300	30	3.0	#2 SN Observat	2	
0072.COMP	10	4:17	10:52:31.0	+07:13:41	300	30	3.0	#2 SN Observat	2	
0073.sn2004bmH2	210	4:20	10:52:35.3	+22:56:05	300	65	3.0	#2 SN Observat	2	
0074.sn2004bm	600	4:24	10:52:35.3	+22:56:05	300	65	3.0	#2 SN Observat	2	
0075.COMP	10	4:37	10:52:35.3	+22:56:05	300	65	3.0	#2 SN Observat	2	
0076.sn2004bp	1800	4:41	11:09:53.2	+37:00:06	300	100	3.0	#2 SN Observat	2	

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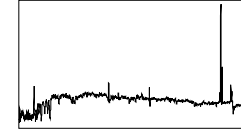
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0077.COMP	10	5:12	11:09:53.2	+37:00:06	300	100	3.0	#2 SN Observat	2	
0078.sn2004bo	1200	5:16	13:26:06.3	-19:46:32	300	0	3.0	#2 SN Observat	2	
0079.COMP	10	5:37	13:26:06.3	-19:46:32	300	0	3.0	#2 SN Observat	2	
0080-0089.FLAT	20	5:44	13:40:00	32:00:00	300	90	3.0	#2 SN Observat	2	
0090.N4051	150	5:48	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	combo
0091.N4051	150	5:50	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0092.COMP	5	5:53	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0093.N4151	30	5:54	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0094.N4151	30	5:55	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0095.COMP	5	5:56	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0096.c0144	900	5:58	12:57:8.5	-17:43:15	300	90	3.0	#64 Cluster In	4	
0097.COMP	5	6:14	12:57:8.5	-17:43:15	300	90	3.0	#64 Cluster In	4	
0098.c0145	900	6:14	12:58:59.0	-17:02:36	300	90	3.0	#64 Cluster In	4	
0099.COMP	5	6:30	12:58:59.0	-17:02:36	300	90	3.0	#64 Cluster In	4	
0100.c0146	480	6:31	13:59:23.4	-11:32:32	300	90	3.0	#64 Cluster In	4	
0101.COMP	5	6:39	13:59:23.4	-11:32:32	300	90	3.0	#64 Cluster In	4	
0102.c0147	480	6:40	13:59:18.0	-11:30:35	300	90	3.0	#64 Cluster In	4	
0103.COMP	5	6:48	13:59:18.0	-11:30:35	300	90	3.0	#64 Cluster In	4	
0104.c0154	900	6:49	14:03:17.4	-10:56:36	300	90	3.0	#64 Cluster In	4	
0105.COMP	5	7:04	14:03:17.4	-10:56:36	300	90	3.0	#64 Cluster In	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0106.c0155	540	7:05	14:01:35.0	-10:55:50	300	90	3.0	#64 Cluster In	4	
0107.COMP	5	7:15	14:01:35.0	-10:55:50	300	90	3.0	#64 Cluster In	4	
0108.c0156	420	7:15	14:04:34.9	-10:55:08	300	90	3.0	#64 Cluster In	4	
0109.COMP	5	7:23	14:04:34.9	-10:55:08	300	90	3.0	#64 Cluster In	4	
0110.c0157	600	7:24	14:03:59.4	-10:37:19	300	90	3.0	#64 Cluster In	4	
0111.COMP	5	7:34	14:03:59.4	-10:37:19	300	90	3.0	#64 Cluster In	4	
0112.c0158	480	7:34	14:02:56.1	-10:34:07	300	90	3.0	#64 Cluster In	4	
0113.COMP	5	7:43	14:02:56.1	-10:34:07	300	90	3.0	#64 Cluster In	4	
0114.c0159	480	7:44	14:02:50.1	-10:27:26	300	90	3.0	#64 Cluster In	4	
0115.COMP	5	7:52	14:02:50.1	-10:27:26	300	90	3.0	#64 Cluster In	4	
0116.c0160	600	7:53	14:01:45.6	-10:25:57	300	90	3.0	#64 Cluster In	4	
0117.COMP	5	8:03	14:01:45.6	-10:25:57	300	90	3.0	#64 Cluster In	4	
0118.MRK421	360	8:06	11:04:27.4	+38:12:32	300	72	3.0	#6 AGN Monitor	4	rxte campaign
0119.MRK421	360	8:12	11:04:27.4	+38:12:32	300	72	3.0	#6 AGN Monitor	4	
0120.COMP	5	8:18	11:04:27.4	+38:12:32	300	72	3.0	#6 AGN Monitor	4	
0121.c0161	600	8:20	14:51:54.2	16:13:19	300	72	3.0	#64 Cluster In	4	
0122.COMP	5	8:31	14:51:54.2	16:13:19	300	72	3.0	#64 Cluster In	4	
0123.c0162	600	8:32	14:51:15.6	16:22:04	300	90	3.0	#64 Cluster In	4	
0124.COMP	5	8:42	14:51:15.6	16:22:04	300	90	3.0	#64 Cluster In	4	
0125.c0163	240	8:42	14:53:18.9	16:38:32	300	90	3.0	#64 Cluster In	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0126.COMP	5	8:47	14:53:18.9	16:38:32	300	90	3.0	#64 Cluster In	4	
0127.c0164	420	8:48	14:53:5.6	16:39:38	300	90	3.0	#64 Cluster In	4	
0128.COMP	5	8:55	14:53:5.6	16:39:38	300	90	3.0	#64 Cluster In	4	
0129.c0165	900	8:56	14:53:14.8	16:42:43	300	90	3.0	#64 Cluster In	4	
0130.COMP	5	9:12	14:53:14.8	16:42:43	300	90	3.0	#64 Cluster In	4	
0131.c0166	720	9:12	14:52:59.7	17:21:55	300	90	3.0	#64 Cluster In	4	
0132.COMP	5	9:25	14:52:59.7	17:21:55	300	90	3.0	#64 Cluster In	4	
0133.c0198	720	9:31	15:39:8.4	21:10:45	300	90	3.0	#64 Cluster In	4	
0134.COMP	5	9:44	15:39:8.4	21:10:45	300	90	3.0	#64 Cluster In	4	
0135.c0199	900	9:45	15:39:0.8	21:20:44	300	90	3.0	#64 Cluster In	4	
0136.COMP	5	10:00	15:39:0.8	21:20:44	300	90	3.0	#64 Cluster In	4	
0137.c0200	900	10:01	15:38:52.1	21:23:32	300	90	3.0	#64 Cluster In	4	
0138.COMP	5	10:16	15:38:52.1	21:23:32	300	90	3.0	#64 Cluster In	4	
0139.c0201	480	10:17	15:42:26.7	21:46:21	300	90	3.0	#64 Cluster In	4	
0140.COMP	5	10:25	15:42:26.7	21:46:21	300	90	3.0	#64 Cluster In	4	
0141.c0202	1200	10:26	15:38:31.3	21:49:26	300	90	3.0	#64 Cluster In	4	
0142.COMP	5	10:47	15:38:31.3	21:49:26	300	90	3.0	#64 Cluster In	4	
0143.c0203	540	10:48	15:38:40.2	21:59:54	300	90	3.0	#64 Cluster In	4	
0144.COMP	5	10:57	15:38:40.2	21:59:54	300	90	3.0	#64 Cluster In	4	
0145.c0204	900	10:58	15:41:44.4	22:07:08	300	90	3.0	#64 Cluster In	4	

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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>Bir</i>	<i>Comments</i>
0146.COMP	5	11:13	15:41:44.4	22:07:08	300	90	3.0	#64 Cluster In	4	
0147.N5866	180	11:16	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0148.COMP	5	11:19	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0149-0158.BIAS	0	11:22	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0159-0168.FLAT	8	11:26	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0169-0178.BIAS	0	11:28	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	
0179-0188.FLAT	16	11:34	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	
0189-0198.DARK	900	13:51	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	1:40	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0011-0020.BIAS	0	1:42	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	
0021.FLAT	20	1:44	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	tilt 599 for Tom
0022-0030.FLAT	20	1:49	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	
0031.FLAT	20	2:05	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	tilt 740,gg495,for Hermine
0032-0040.FLAT	20	2:10	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	
0041.HD84937	20	2:56	09:48:56.1	13:44:39	300	38	3.0	#151 AGN Emiss	2	
0042.HD84937	20	2:56	09:48:56.1	13:44:39	300	38	3.0	#151 AGN Emiss	2	
0043.HD84937	20	2:57	09:48:56.1	13:44:39	300	38	3.0	#151 AGN Emiss	2	
0044.HD84937	20	2:58	09:48:56.1	13:44:39	300	38	3.0	#151 AGN Emiss	2	
0045.HD84937	20	2:58	09:48:56.1	13:44:39	300	38	3.0	#151 AGN Emiss	2	
0046.COMP	5	2:59	09:48:56.1	13:44:39	300	38	3.0	#151 AGN Emiss	2	
0047.Feige34	300	3:01	10:36:41.2	43:21:50	300	0	3.0	#151 AGN Emiss	2	
0048.Feige34	300	3:07	10:36:41.2	43:21:50	300	0	3.0	#151 AGN Emiss	2	
0049.COMP	5	3:12	10:36:41.2	43:21:50	300	0	3.0	#151 AGN Emiss	2	
0050.3C207	1800	3:16	08:40:47.5	+13:12:23	300	58	3.0	#151 AGN Emiss	2	
0051.COMP	5	3:47	08:40:47.5	+13:12:23	300	58	3.0	#151 AGN Emiss	2	
0052.3C207	1800	3:48	08:40:47.5	+13:12:23	300	58	3.0	#151 AGN Emiss	2	
0053.COMP	5	4:18	08:40:47.5	+13:12:23	300	58	3.0	#151 AGN Emiss	2	
0054.TEX0953+254	1800	4:21	09:56:49.8	+25:15:16	300	70	3.0	#151 AGN Emiss	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0055.COMP	5	4:52	09:56:49.8	+25:15:16	300	70	3.0	#151 AGN Emiss	2	
0056.TEX0953+254	1800	4:53	09:56:49.8	+25:15:16	300	70	3.0	#151 AGN Emiss	2	
0057.COMP	5	5:23	09:56:49.8	+25:15:16	300	70	3.0	#151 AGN Emiss	2	
0058.4C29.45	1800	5:27	11:59:31.8	+29:14:43	300	76	3.0	#151 AGN Emiss	2	
0059.COMP	5	5:57	11:59:31.8	+29:14:43	300	76	3.0	#151 AGN Emiss	2	
0060.4C29.45	1800	5:58	11:59:31.8	+29:14:43	300	76	3.0	#151 AGN Emiss	2	
0061.COMP	5	6:28	11:59:31.8	+29:14:43	300	76	3.0	#151 AGN Emiss	2	
0062.test	10	6:31	14:30:00	32:00:00	300	76	3.0	#151 AGN Emiss	2	tilt 599
0063.sn2004aw	1800	6:37	11:57:50.2	+25:15:55	300	70	3.0	#2 SN Observat	2	
0064.COMP	10	7:07	11:57:50.2	+25:15:55	300	70	3.0	#2 SN Observat	2	
0065.BDp262606	45	7:10	14:49:02.3	+25:42:09	300	33	3.0	#56 Spectropho	2	
0066.BDp262606	45	7:10	14:49:02.3	+25:42:09	300	33	3.0	#56 Spectropho	2	
0067.COMP	10	7:12	14:49:02.3	+25:42:09	300	33	3.0	#56 Spectropho	2	
0068.BDp332642	90	7:13	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0069.BDp332642	90	7:15	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0070.COMP	10	7:17	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0071.sn2004ao	1200	7:20	17:28:09.3	+07:24:55	300	-25	3.0	#2 SN Observat	2	
0072.COMP	10	7:41	17:28:09.3	+07:24:55	300	-25	3.0	#2 SN Observat	2	
0073.test	10	7:46	16:00:00	32:00:00	600	90	2.0	#2 SN Observat	4	
0074.BDp332642	90	7:47	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	600-line, 2-sec, blue

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0075.BDp332642	90	7:49	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0076.COMP	10	7:51	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0077.hs2524	240	7:52	13:30:26.7	50:12:36	600	90	2.0	#122 Halo Star	4	
0078.COMP	10	7:56	13:30:26.7	50:12:36	600	90	2.0	#122 Halo Star	4	
0079.hs2525	300	7:57	13:30:50.7	54:07:45	600	90	2.0	#122 Halo Star	4	
0080.COMP	10	8:02	13:30:50.7	54:07:45	600	90	2.0	#122 Halo Star	4	
0081.hs2526	300	8:03	13:30:56.7	56:22:50	600	90	2.0	#122 Halo Star	4	
0082.COMP	10	8:08	13:30:56.7	56:22:50	600	90	2.0	#122 Halo Star	4	
0083.hs2527	240	8:09	13:31:11.2	47:50:49	600	90	2.0	#122 Halo Star	4	
0084.COMP	10	8:13	13:31:11.2	47:50:49	600	90	2.0	#122 Halo Star	4	
0085.hs2528	240	8:14	13:31:54.3	70:29:04	600	90	2.0	#122 Halo Star	4	
0086.COMP	10	8:19	13:31:54.3	70:29:04	600	90	2.0	#122 Halo Star	4	
0087.hs2534	360	8:20	13:34:05.8	74:51:44	600	90	2.0	#122 Halo Star	4	
0088.COMP	10	8:26	13:34:05.8	74:51:44	600	90	2.0	#122 Halo Star	4	
0089.hs2530	240	8:27	13:33:21.3	62:50:00	600	90	2.0	#122 Halo Star	4	
0090.COMP	10	8:31	13:33:21.3	62:50:00	600	90	2.0	#122 Halo Star	4	
0091.hs2529	180	8:32	13:32:13.6	53:23:02	600	90	2.0	#122 Halo Star	4	
0092.COMP	10	8:35	13:32:13.6	53:23:02	600	90	2.0	#122 Halo Star	4	
0093.hs2531	600	8:36	13:33:31.6	55:46:11	600	90	2.0	#122 Halo Star	4	
0094.COMP	10	8:46	13:33:31.6	55:46:11	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0095.hs2532	420	8:48	13:33:48.8	57:18:27	600	90	2.0	#122 Halo Star	4	
0096.COMP	10	8:55	13:33:48.8	57:18:27	600	90	2.0	#122 Halo Star	4	
0097.hs2533	480	8:56	13:33:58.8	51:31:41	600	90	2.0	#122 Halo Star	4	
0098.COMP	10	9:04	13:33:58.8	51:31:41	600	90	2.0	#122 Halo Star	4	
0099.hs2645	420	9:05	14:17:42.4	52:22:47	600	90	2.0	#122 Halo Star	4	
0100.COMP	10	9:12	14:17:42.4	52:22:47	600	90	2.0	#122 Halo Star	4	
0101.hs2646	240	9:14	14:17:43.5	70:55:40	600	90	2.0	#122 Halo Star	4	
0102.COMP	10	9:18	14:17:43.5	70:55:40	600	90	2.0	#122 Halo Star	4	
0103.hs2647	600	9:19	14:17:47.0	72:31:29	600	90	2.0	#122 Halo Star	4	
0104.COMP	10	9:29	14:17:47.0	72:31:29	600	90	2.0	#122 Halo Star	4	
0105.hs2648	600	9:30	14:18:02.3	67:31:41	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	9:40	14:18:02.3	67:31:41	600	90	2.0	#122 Halo Star	4	
0107.hs2649	420	9:41	14:18:31.3	54:12:32	600	90	2.0	#122 Halo Star	4	
0108.COMP	10	9:48	14:18:31.3	54:12:32	600	90	2.0	#122 Halo Star	4	
0109.hs2741	660	9:50	15:13:26.7	79:13:52	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	10:01	15:13:26.7	79:13:52	600	90	2.0	#122 Halo Star	4	
0111.hs2742	600	10:02	15:13:53.7	73:29:47	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	10:12	15:13:53.7	73:29:47	600	90	2.0	#122 Halo Star	4	
0113.hs2743	540	10:13	15:14:40.9	57:50:35	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	10:22	15:14:40.9	57:50:35	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0115.hs2744	600	10:23	15:15:52.8	66:42:42	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	10:33	15:15:52.8	66:42:42	600	90	2.0	#122 Halo Star	4	
0117.hs2745	600	10:34	15:16:49.5	62:24:30	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	10:44	15:16:49.5	62:24:30	600	90	2.0	#122 Halo Star	4	
0119.hs2746	240	10:45	15:18:02.8	66:28:58	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	10:50	15:18:02.8	66:28:58	600	90	2.0	#122 Halo Star	4	
0121.hs2747	540	10:50	15:18:52.2	66:01:45	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	11:00	15:18:52.2	66:01:45	600	90	2.0	#122 Halo Star	4	
0123.hs2799	660	11:01	15:52:37.1	70:46:25	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	11:12	15:52:37.1	70:46:25	600	90	2.0	#122 Halo Star	4	
0125.hs2798	240	11:13	15:52:08.1	63:17:37	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	11:18	15:52:08.1	63:17:37	600	90	2.0	#122 Halo Star	4	
0127.hs2797	180	11:18	15:52:06.6	58:44:59	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	11:22	15:52:06.6	58:44:59	600	90	2.0	#122 Halo Star	4	
0129.hs2793	180	11:22	15:47:47.5	58:06:46	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	11:26	15:47:47.5	58:06:46	600	90	2.0	#122 Halo Star	4	
0131-0140.FLAT	24	11:32	15:47:47.5	58:06:46	600	90	2.0	#2 SN Observat	4	
0141-0150.BIAS	0	11:34	15:47:47.5	58:06:46	600	90	2.0	#2 SN Observat	4	
0151.test	5	11:40	15:47:47.5	58:06:46	300	90	3.0	#2 SN Observat	4	
0152-0161.DARK	900	13:57	15:47:47.5	58:06:46	300	90	3.0	#2 SN Observat	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.FLAT	18	23:36	07:36:50.2	+31:30:16	300	90	3.0	#2 SN Observat	2	tilt 599 blue
0002-0007.FLAT	18	23:39	07:39:52.3	+31:30:16	300	90	3.0	#2 SN Observat	2	
0008-0010.FLAT	18	23:41	07:41:23.5	+31:30:17	300	90	3.0	#2 SN Observat	2	
0011-0020.BIAS	0	0:49	08:49:34.9	+31:30:37	300	90	3.0	#2 SN Observat	4	
0021.FLAT	8	0:49	08:49:56.8	+31:30:37	300	90	3.0	#2 SN Observat	4	combo tilt 619
0022-0030.FLAT	8	0:52	08:52:59.2	+31:30:38	300	90	3.0	#2 SN Observat	4	
0031-0033.BIAS	0	0:53	08:53:42.2	+31:30:38	300	90	3.0	#2 SN Observat	2	
0034-0040.BIAS	0	0:55	08:55:13.2	+31:30:39	300	90	3.0	#2 SN Observat	2	
0041-0043.FLAT	16	0:56	08:57:01.5	+31:30:39	300	90	3.0	#2 SN Observat	2	
0044-0050.FLAT	16	1:00	09:01:08.8	+31:30:40	300	90	3.0	#2 SN Observat	2	
0051-0055.sky	3	2:29	10:20:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	2:30	10:20:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.HD84937	12	3:01	09:48:56.1	13:44:39	300	41	3.0	#56 Spectropho	2	
0058.HD84937	12	3:02	09:48:56.1	13:44:39	300	41	3.0	#56 Spectropho	2	
0059.HD84937	12	3:02	09:48:56.1	13:44:39	300	41	3.0	#56 Spectropho	2	
0060.HD84937	12	3:03	09:48:56.1	13:44:39	300	41	3.0	#56 Spectropho	2	
0061.HD84937	12	3:03	09:48:56.1	13:44:39	300	41	3.0	#56 Spectropho	2	
0062.COMP	10	3:04	09:48:56.1	13:44:39	300	41	3.0	#56 Spectropho	2	
0063.FineFoc	60	3:07	11:01:27.4	31:14:47	300	90	3.0	#57 Velocity S	1	
0064.N3379	120	3:12	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0065.COMP	5	3:14	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	4	
0066.TXCVn	10	3:15	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	4	
0067.TXCVn	30	3:15	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	4	
0068.COMP	5	3:16	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	4	
0069.Feige34	120	3:18	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0070.Feige34	120	3:20	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0071.COMP	10	3:22	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0072.N3227	150	3:24	10:23:30.6	+19:51:54	300	47	3.0	#6 AGN Monitor	4	
0073.N3227	150	3:26	10:23:30.6	+19:51:54	300	47	3.0	#6 AGN Monitor	4	
0074.COMP	5	3:29	10:23:30.6	+19:51:54	300	47	3.0	#6 AGN Monitor	4	
0075.0827+243	1800	3:31	08:30:52.0	+24:10:59	300	68	3.0	#151 AGN Emiss	2	
0076.COMP	10	4:02	08:30:52.0	+24:10:59	300	68	3.0	#151 AGN Emiss	2	
0077.MRK110	360	4:04	09:25:12.9	+52:17:10	300	105	3.0	#6 AGN Monitor	4	
0078.COMP	5	4:10	09:25:12.9	+52:17:10	300	105	3.0	#6 AGN Monitor	4	
0079.MRK421	360	4:12	11:04:27.4	+38:12:32	300	105	3.0	#6 AGN Monitor	4	
0080.MRK421	360	4:18	11:04:27.4	+38:12:32	300	105	3.0	#6 AGN Monitor	4	
0081.COMP	5	4:25	11:04:27.4	+38:12:32	300	105	3.0	#6 AGN Monitor	4	
0082.N4051	150	4:25	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0083.N4051	150	4:28	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0084.COMP	5	4:31	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0085.N4151	30	4:32	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0086.N4151	30	4:33	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0087.N4151	60	4:33	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0088.COMP	5	4:34	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0089.M87	180	4:36	12:30:49.4	12:23:28	300	0	3.0	#6 AGN Monitor	4	
0090.M87	180	4:39	12:30:49.4	12:23:28	300	0	3.0	#6 AGN Monitor	4	
0091.COMP	5	4:42	12:30:49.4	12:23:28	300	0	3.0	#6 AGN Monitor	4	
0092.ESO507-G70	1200	4:46	13:02:52.3	-23:55:17	300	0	3.0	#151 AGN Emiss	2	
0093.COMP	10	5:06	13:02:52.3	-23:55:17	300	0	3.0	#151 AGN Emiss	2	
0094.RWHya	1	5:08	13:34:18	-25:22:51	300	0	3.0	#12 Symbiotic	4	
0095.RWHya	3	5:08	13:34:18	-25:22:51	300	0	3.0	#12 Symbiotic	4	
0096.RWHya	10	5:08	13:34:18	-25:22:51	300	0	3.0	#12 Symbiotic	4	
0097.RWHya	20	5:09	13:34:18	-25:22:51	300	0	3.0	#12 Symbiotic	4	
0098.COMP	5	5:10	13:34:18	-25:22:51	300	0	3.0	#12 Symbiotic	4	
0099.sn2004bi	1800	5:16	10:47:37.4	+26:18:12	300	70	3.0	#2 SN Observat	2	
0100.COMP	10	5:47	10:47:37.4	+26:18:12	300	70	3.0	#2 SN Observat	2	
0101.sn2004bg	1200	5:49	11:21:01.5	+21:20:23	300	65	3.0	#2 SN Observat	2	
0102.COMP	10	6:10	11:21:01.5	+21:20:23	300	65	3.0	#2 SN Observat	2	
0103.BDp262606	45	6:13	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0104.BDp262606	45	6:14	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0105.BDp262606	45	6:15	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0106.COMP	10	6:16	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0107.BDp332642	90	6:17	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0108.BDp332642	90	6:18	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0109.COMP	10	6:20	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0110.test	5	6:22	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0111.N5548	240	6:23	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	combo tilt 619
0112.N5548	240	6:27	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0113.COMP	5	6:31	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0114.MRK279	180	6:33	13:51:53.6	69:33:13	300	0	3.0	#6 AGN Monitor	4	
0115.MRK279	180	6:36	13:51:53.6	69:33:13	300	0	3.0	#6 AGN Monitor	4	
0116.COMP	5	6:40	13:51:53.6	69:33:13	300	0	3.0	#6 AGN Monitor	4	
0117.agalaxy	1800	6:43	13:07:33.0	+29:19:41	300	76	3.0	#64 Cluster In	2	
0118.COMP	10	7:13	13:07:33.0	+29:19:41	300	76	3.0	#64 Cluster In	2	
0119.4C05.64	1800	7:22	15:50:35.2	+05:27:10	300	0	3.0	#151 AGN Emiss	2	
0120.COMP	10	7:53	15:50:35.2	+05:27:10	300	0	3.0	#151 AGN Emiss	2	
0121.4C05.64	1800	7:53	15:50:35.2	+05:27:10	300	0	3.0	#151 AGN Emiss	2	
0122.COMP	10	8:23	15:50:35.2	+05:27:10	300	0	3.0	#151 AGN Emiss	2	
0123.BDp332642	90	8:26	15:50:03.0	33:05:49	300	95	3.0	#56 Spectropho	2	
0124.BDp332642	90	8:27	15:50:03.0	33:05:49	300	95	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0125.COMP	10	8:29	15:50:03.0	33:05:49	300	95	3.0	#56 Spectropho	2	
0126.DA406	1800	8:36	16:13:41.1	+34:12:47	300	80	3.0	#151 AGN Emiss	2	
0127.COMP	10	9:06	16:13:41.1	+34:12:47	300	80	3.0	#151 AGN Emiss	2	
0128.c0167	900	9:09	15:13:14.2	06:47:40	300	60	3.0	#64 Cluster In	4	
0129.COMP	5	9:24	15:13:14.2	06:47:40	300	60	3.0	#64 Cluster In	4	
0130.c0168	540	9:25	15:11:35.6	06:54:52	300	60	3.0	#64 Cluster In	4	
0131.COMP	5	9:34	15:11:35.6	06:54:52	300	60	3.0	#64 Cluster In	4	
0132.c0169	540	9:35	15:11:17.2	06:58:23	300	50	3.0	#64 Cluster In	4	
0133.COMP	5	9:44	15:11:17.2	06:58:23	300	50	3.0	#64 Cluster In	4	
0134.c0170	480	9:45	15:12:46.9	07:04:35	300	50	3.0	#64 Cluster In	4	
0135.COMP	5	9:53	15:12:46.9	07:04:35	300	50	3.0	#64 Cluster In	4	
0136.TCrB	15	9:54	15:59:30	25:55:12	300	50	3.0	#12 Symbiotic	4	
0137.TCrB	15	9:55	15:59:30	25:55:12	300	50	3.0	#12 Symbiotic	4	
0138.TCrB	60	9:55	15:59:30	25:55:12	300	50	3.0	#12 Symbiotic	4	
0139.COMP	5	9:57	15:59:30	25:55:12	300	50	3.0	#12 Symbiotic	4	
0140.RSOph	10	9:58	17:50:13	-06:42:30	300	5	3.0	#12 Symbiotic	4	
0141.RSOph	60	9:59	17:50:13	-06:42:30	300	5	3.0	#12 Symbiotic	4	
0142.RSOph	120	10:00	17:50:13	-06:42:30	300	5	3.0	#12 Symbiotic	4	
0143.COMP	5	10:02	17:50:13	-06:42:30	300	5	3.0	#12 Symbiotic	4	
0144.AGDra	2	10:05	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0145.AGDra	15	10:05	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0146.AGDra	45	10:05	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0147.COMP	5	10:07	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0148.DracoC1	1200	10:08	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	4	
0149.COMP	5	10:29	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	4	
0150.c0205	600	10:32	15:41:48.6	22:14:58	300	90	3.0	#64 Cluster In	4	
0151.COMP	5	10:42	15:41:48.6	22:14:58	300	90	3.0	#64 Cluster In	4	
0152.c0206	600	10:42	15:41:9.9	22:23:14	300	90	3.0	#64 Cluster In	4	
0153.COMP	5	10:53	15:41:9.9	22:23:14	300	90	3.0	#64 Cluster In	4	
0154.c0207	600	10:53	15:41:8.6	22:24:07	300	90	3.0	#64 Cluster In	4	
0155.COMP	5	11:04	15:41:8.6	22:24:07	300	90	3.0	#64 Cluster In	4	
0156.YYHer	40	11:05	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0157.YYHer	120	11:06	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0158.YYHer	180	11:09	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0159.COMP	5	11:12	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0160.V443Her	5	11:13	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0161.V443Her	45	11:13	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0162.V443Her	60	11:14	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0163.COMP	5	11:16	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0164.BFCyg	3	11:17	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0165.BFCyg	10	11:17	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0166.BFCyg	60	11:17	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0167.COMP	5	11:19	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0168.CHCyg	1	11:20	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0169.CHCyg	1	11:20	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0170.CHCyg	4	11:21	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0171.COMP	5	11:21	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0172.CICyg	2	11:22	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0173.CICyg	2	11:23	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0174.CICyg	20	11:23	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0175.CICyg	45	11:23	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0176.COMP	5	11:24	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0177.HD192281	5	11:27	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0178.HD192281	5	11:27	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0179.HD192281	5	11:27	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0180.HD192281	5	11:28	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0181.HD192281	5	11:28	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0182.COMP	5	11:28	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0183-0192.BIAS	0	11:31	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0193-0202.FLAT	8	11:35	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	

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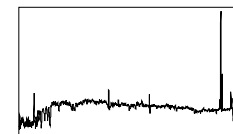
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0203-0212.BIAS	0	11:37	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	
0213-0222.FLAT	16	11:43	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	
0223.DARK	900	11:55	20:12:34.0	+31:29:27	300	90	3.0	#56 Spectropho	4	
0224.DARK	900	12:10	20:27:44.4	+31:29:22	300	90	3.0	#56 Spectropho	4	
0225.DARK	900	12:25	20:42:57.9	+31:29:18	300	90	3.0	#56 Spectropho	4	
0226.DARK	900	12:40	20:58:09.1	+31:29:14	300	90	3.0	#56 Spectropho	4	
0227.DARK	900	12:56	21:13:23.2	+31:29:10	300	90	3.0	#56 Spectropho	4	
0228.DARK	900	13:11	21:28:33.8	+31:29:06	300	90	3.0	#56 Spectropho	4	
0229.DARK	900	13:26	21:43:48.0	+31:29:02	300	90	3.0	#56 Spectropho	4	
0230.DARK	900	13:41	21:58:58.1	+31:28:59	300	90	3.0	#56 Spectropho	4	
0231.DARK	900	13:56	22:14:12.1	+31:28:56	300	90	3.0	#56 Spectropho	4	
0232.DARK	900	14:11	22:29:25.6	+31:28:53	300	90	3.0	#56 Spectropho	4	
0233.DARK	900	14:27	22:44:40.2	+31:28:51	300	90	3.0	#56 Spectropho	2	
0234.DARK	900	14:42	22:59:55.1	+31:28:48	300	90	3.0	#56 Spectropho	2	
0235.DARK	900	14:57	23:15:12.9	+31:28:46	300	90	3.0	#56 Spectropho	2	
0236.DARK	900	15:12	23:30:31.8	+31:28:45	300	90	3.0	#56 Spectropho	2	
0237.DARK	900	15:28	23:45:49.9	+31:28:43	300	90	3.0	#56 Spectropho	2	
0238-0239.DARK	900	15:58	00:16:22.7	+31:28:42	300	90	3.0	#56 Spectropho	2	
0240-0241.DARK	900	16:29	00:46:56.3	+31:28:41	300	90	3.0	#56 Spectropho	2	
0242.DARK	900	16:44	01:02:14.0	+31:28:42	300	90	3.0	#56 Spectropho	2	

UT Date 2004-05-14 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

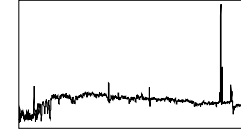
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	1:50	10:09:37.3	+31:30:57	300	90	3.0	#56 Spectropho	4	
0002.DARK	900	2:05	10:24:45.1	+31:30:59	300	90	3.0	#56 Spectropho	4	
0003.DARK	900	2:20	10:39:55.3	+31:31:02	300	90	3.0	#56 Spectropho	4	
0004.DARK	900	2:35	10:55:04.5	+31:31:04	300	90	3.0	#56 Spectropho	4	
0005-0011.BIAS	0	2:51	10:55:59.8	+31:31:04	300	90	3.0	#56 Spectropho	4	
0012-0014.BIAS	0	2:51	10:56:21.1	+31:31:05	300	90	3.0	#56 Spectropho	4	
0015-0024.FLAT	6	2:54	10:59:15.5	+31:31:05	300	90	3.0	#56 Spectropho	4	
0025-0034.BIAS	0	2:57	11:02:01.2	+31:31:05	300	90	3.0	#56 Spectropho	2	
0035-0037.FLAT	12	2:58	11:03:35.2	+31:31:05	300	90	3.0	#56 Spectropho	2	
0038-0044.FLAT	12	3:01	11:06:25.8	+31:31:06	300	90	3.0	#56 Spectropho	2	
0045.TEX0836+182	1800	3:22	08:39:30.7	+18:02:46	300	62	3.0	#151 AGN Emiss	2	
0046.TEX0836+182	1800	3:53	08:39:30.7	+18:02:46	300	62	3.0	#151 AGN Emiss	2	
0047.COMP	12	4:23	08:39:30.7	+18:02:46	300	62	3.0	#151 AGN Emiss	2	
0048.WGA1012+06	900	4:25	10:12:13.3	+06:30:56	300	47	3.0	#151 AGN Emiss	2	
0049.WGA1012+06	900	4:40	10:12:13.3	+06:30:56	300	47	3.0	#151 AGN Emiss	2	
0050.COMP	12	4:56	10:12:13.3	+06:30:56	300	47	3.0	#151 AGN Emiss	2	
0051.OL326	1800	5:16	10:18:11.0	+35:42:39	300	83	3.0	#151 AGN Emiss	2	
0052.OL326	1800	5:47	10:18:11.0	+35:42:39	300	83	3.0	#151 AGN Emiss	2	
0053.COMP	12	6:17	10:18:11.0	+35:42:39	300	83	3.0	#151 AGN Emiss	2	
0054.c0136	540	6:35	11:18:47.6	33:44:53	300	92	3.0	#64 Cluster In	2	H-alpha

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0055.COMP	12	6:45	11:18:47.6	33:44:53	300	92	3.0	#64 Cluster In	2	
0056.c0137	660	6:46	11:17:43.8	33:59:48	300	92	3.0	#64 Cluster In	2	
0057.COMP	12	6:57	11:17:43.8	33:59:48	300	92	3.0	#64 Cluster In	2	
0058.c0138	1200	6:58	11:17:54.8	34:00:11	300	92	3.0	#64 Cluster In	2	
0059.COMP	12	7:19	11:17:54.8	34:00:11	300	92	3.0	#64 Cluster In	2	
0060.BDp332642	50	7:22	15:50:03.0	33:05:49	300	78	3.0	#56 Spectropho	2	
0061.BDp332642	50	7:23	15:50:03.0	33:05:49	300	78	3.0	#56 Spectropho	2	
0062.COMP	12	7:24	15:50:03.0	33:05:49	300	78	3.0	#56 Spectropho	2	
0063.sn2004aw	1200	7:30	11:57:50.2	+25:15:55	300	72	3.0	#2 SN Observat	2	tilt=599
0064.COMP	12	7:51	11:57:50.2	+25:15:55	300	72	3.0	#2 SN Observat	2	
0065.BDp332642	90	7:55	15:50:03.0	33:05:49	300	-50	3.0	#56 Spectropho	2	
0066.BDp332642	90	7:57	15:50:03.0	33:05:49	300	-50	3.0	#56 Spectropho	2	
0067.COMP	12	7:59	15:50:03.0	33:05:49	300	-50	3.0	#56 Spectropho	2	
0068.BDp262606	45	8:01	14:49:02.3	+25:42:09	300	66	3.0	#56 Spectropho	2	
0069.BDp262606	45	8:02	14:49:02.3	+25:42:09	300	66	3.0	#56 Spectropho	2	
0070.COMP	12	8:04	14:49:02.3	+25:42:09	300	66	3.0	#56 Spectropho	2	
0071-0080.FLAT	12	8:09	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0081.sn2004ao	1200	8:14	17:28:09.3	+07:24:55	300	-32	3.0	#2 SN Observat	2	
0082.COMP	12	8:35	17:28:09.3	+07:24:55	300	-32	3.0	#2 SN Observat	2	
0083.c0171	540	8:38	15:11:23.5	07:16:26	300	90	3.0	#64 Cluster In	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0084.COMP	12	8:48	15:11:23.5	07:16:26	300	90	3.0	#64 Cluster In	2	
0085.c0172	540	8:49	15:13:41.7	07:21:18	300	90	3.0	#64 Cluster In	2	
0086.COMP	12	8:59	15:13:41.7	07:21:18	300	90	3.0	#64 Cluster In	2	
0087.c0173	420	9:00	15:11:21.5	07:22:51	300	90	3.0	#64 Cluster In	2	
0088.COMP	12	9:07	15:11:21.5	07:22:51	300	90	3.0	#64 Cluster In	2	
0089.c0174	1200	9:09	15:15:11.6	07:25:19	300	110	3.0	#64 Cluster In	2	
0090.COMP	12	9:29	15:15:11.6	07:25:19	300	110	3.0	#64 Cluster In	2	
0091.c0175	1200	9:31	15:11:3.4	07:31:56	300	90	3.0	#64 Cluster In	2	
0092.COMP	12	9:52	15:11:3.4	07:31:56	300	90	3.0	#64 Cluster In	2	
0093.c0175	1200	9:53	15:11:3.4	07:31:56	300	90	3.0	#64 Cluster In	2	combo setup
0094.COMP	12	10:13	15:11:3.4	07:31:56	300	90	3.0	#64 Cluster In	2	
0095.c0208	720	10:15	16:00:38.4	15:21:14	300	90	3.0	#64 Cluster In	2	
0096.COMP	12	10:27	16:00:38.4	15:21:14	300	90	3.0	#64 Cluster In	2	
0097.c0209	600	10:29	16:02:47.8	15:27:37	300	90	3.0	#64 Cluster In	2	
0098.COMP	12	10:40	16:02:47.8	15:27:37	300	90	3.0	#64 Cluster In	2	
0099.c0210	540	10:41	16:01:55.2	15:28:42	300	90	3.0	#64 Cluster In	2	
0100.COMP	12	10:50	16:01:55.2	15:28:42	300	90	3.0	#64 Cluster In	2	
0101.c0211	840	10:51	16:01:2.5	15:29:41	300	90	3.0	#64 Cluster In	2	
0102.COMP	12	11:06	16:01:2.5	15:29:41	300	90	3.0	#64 Cluster In	2	
0103.c0212	840	11:07	16:02:1.9	15:40:40	300	90	3.0	#64 Cluster In	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>Bir</i>	<i>Comments</i>
0104.COMP	12	11:21	16:02:1.9	15:40:40	300	90	3.0	#64 Cluster In	2	
0105.BDp284211	60	11:31	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0106.BDp284211	60	11:32	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0107.COMP	12	11:34	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0108-0117.BIAS	0	11:37	21:48:57.1	28:37:48	300	90	3.0	#64 Cluster In	4	
0118-0127.FLAT	6	11:40	21:48:57.1	28:37:48	300	90	3.0	#64 Cluster In	4	
0128-0137.BIAS	0	11:43	21:48:57.1	28:37:48	300	90	3.0	#64 Cluster In	2	
0138-0147.FLAT	12	11:47	21:48:57.1	28:37:48	300	90	3.0	#64 Cluster In	2	
0148-0157.DARK	900	14:06	21:48:57.1	28:37:48	300	90	3.0	#64 Cluster In	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	23:06	07:29:17.0	+31:30:13	300	90	3.0	#64 Cluster In	4	
0002.DARK	900	23:21	07:44:24.9	+31:30:18	300	90	3.0	#64 Cluster In	4	
0003.DARK	900	0:25	08:47:58.8	+31:30:37	300	90	3.0	#64 Cluster In	4	
0004.DARK	900	0:40	09:03:09.2	+31:30:41	300	90	3.0	#64 Cluster In	4	
0005.DARK	900	0:55	09:18:18.0	+31:30:45	300	90	3.0	#64 Cluster In	4	
0006.DARK	900	1:10	09:33:28.7	+31:30:48	300	90	3.0	#64 Cluster In	4	
0007.DARK	900	1:25	09:48:35.5	+31:30:52	300	90	3.0	#64 Cluster In	4	
0008.DARK	900	1:40	10:03:45.6	+31:30:55	300	90	3.0	#64 Cluster In	4	
0009.DARK	900	1:55	10:18:55.5	+31:30:58	300	90	3.0	#64 Cluster In	4	
0010.DARK	900	2:10	10:34:05.3	+31:31:01	300	90	3.0	#64 Cluster In	4	
0011-0020.BIAS	0	3:10	11:18:49.6	+31:31:07	300	90	3.0	#64 Cluster In	4	
0021-0027.FLAT	6	3:12	11:21:14.5	+31:31:07	300	90	3.0	#64 Cluster In	4	
0028-0030.FLAT	6	3:13	11:21:52.8	+31:31:08	300	90	3.0	#64 Cluster In	4	
0031-0040.BIAS	0	3:16	11:25:08.4	+31:31:08	300	90	3.0	#64 Cluster In	2	
0041-0050.FLAT	12	3:20	11:29:15.2	+31:31:08	300	90	3.0	#64 Cluster In	2	
0051.Feige34	60	3:51	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0052.Feige34	60	3:53	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0053.COMP	5	3:54	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0054.c0139	420	3:55	11:24:11.6	34:02:49	300	90	3.0	#64 Cluster In	4	clouds, try again
0055.COMP	5	4:03	11:24:11.6	34:02:49	300	90	3.0	#64 Cluster In	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0056.c0139	720	4:03	11:24:11.6	34:02:49	300	90	3.0	#64 Cluster In	4	
0057.COMP	5	4:15	11:24:11.6	34:02:49	300	90	3.0	#64 Cluster In	4	
0058.c0140	300	4:17	11:25:33.8	34:13:31	300	90	3.0	#64 Cluster In	4	
0059.COMP	5	4:22	11:25:33.8	34:13:31	300	90	3.0	#64 Cluster In	4	
0060.c0141	540	4:23	11:18:10.4	34:21:45	300	90	3.0	#64 Cluster In	4	
0061.COMP	5	4:32	11:18:10.4	34:21:45	300	90	3.0	#64 Cluster In	4	
0062.c0142	360	4:33	11:22:56.3	34:52:01	300	90	3.0	#64 Cluster In	4	
0063.COMP	5	4:40	11:22:56.3	34:52:01	300	90	3.0	#64 Cluster In	4	
0064.c0143	780	4:41	11:22:27.0	35:06:45	300	90	3.0	#64 Cluster In	4	
0065.COMP	5	4:54	11:22:27.0	35:06:45	300	90	3.0	#64 Cluster In	4	
0066.sn2004at	1200	5:06	10:58:45.1	+59:29:12	300	-50	3.0	#2 SN Observat	2	tilt=599
0067.COMP	12	5:27	10:58:45.1	+59:29:12	300	-50	3.0	#2 SN Observat	2	
0068.sn2004bd	1200	5:32	11:39:42.1	+31:54:31	300	100	3.0	#2 SN Observat	2	
0069.COMP	12	5:53	11:39:42.1	+31:54:31	300	100	3.0	#2 SN Observat	2	
0070.BDp262606	45	5:57	14:49:02.3	+25:42:09	300	-50	3.0	#56 Spectropho	2	
0071.BDp262606	45	5:58	14:49:02.3	+25:42:09	300	-50	3.0	#56 Spectropho	2	
0072.COMP	12	5:59	14:49:02.3	+25:42:09	300	-50	3.0	#56 Spectropho	2	
0073.BDp332642	50	6:03	15:50:03.0	33:05:49	300	94	3.0	#56 Spectropho	2	
0074.BDp332642	50	6:04	15:50:03.0	33:05:49	300	94	3.0	#56 Spectropho	2	
0075.COMP	12	6:05	15:50:03.0	33:05:49	300	94	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0076.FLAT	12	6:07	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	wait out clouds...
0077-0085.FLAT	12	6:11	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0086.155912-00400	900	9:00	16:01:48.5	-00:48:34	300	90	3.0	#84f Updated Z	2	combo setup, had to shorten for clouds...
0087.COMP	12	9:16	16:01:48.5	-00:48:34	300	90	3.0	#84f Updated Z	2	
0088.155912-00400	1200	9:31	16:01:48.5	-00:48:34	300	90	3.0	#84f Updated Z	2	
0089.COMP	12	9:52	16:01:48.5	-00:48:34	300	90	3.0	#84f Updated Z	2	
0090.160348+02180	1200	9:53	16:06:18.6	+02:10:13	300	90	3.0	#84f Updated Z	2	
0091.COMP	12	10:13	16:06:18.6	+02:10:13	300	90	3.0	#84f Updated Z	2	
0092-0101.BIAS	0	10:53	16:06:18.6	+02:10:13	300	90	3.0	#84f Updated Z	4	
0102-0111.FLAT	6	10:56	16:06:18.6	+02:10:13	300	90	3.0	#84f Updated Z	4	
0112-0121.BIAS	0	10:58	16:06:18.6	+02:10:13	300	90	3.0	#84f Updated Z	2	
0122-0131.FLAT	12	11:02	16:06:18.6	+02:10:13	300	90	3.0	#84f Updated Z	2	
0132-0141.DARK	900	13:22	16:06:18.6	+02:10:13	300	90	3.0	#84f Updated Z	2	

UT Date 2004-05-16 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	0:22	16:06:18.6	+02:10:13	300	90	3.0	#84f Updated Z	4	
0011-0020.BIAS	0	0:59	16:06:18.6	+02:10:13	300	90	3.0	#84f Updated Z	4	
0021-0030.FLAT	6	1:01	16:06:18.6	+02:10:13	300	90	3.0	#84f Updated Z	4	
0031-0040.BIAS	0	1:05	16:06:18.6	+02:10:13	300	90	3.0	#84f Updated Z	2	
0041-0050.FLAT	12	1:09	16:06:18.6	+02:10:13	300	90	3.0	#84f Updated Z	2	
0051-0055.sky	2	2:23	16:06:18.6	+02:10:13	300	90	3.0	#57 Velocity S	2	
0056.COMP	12	2:24	16:06:18.6	+02:10:13	300	90	3.0	#57 Velocity S	2	
0057.Feige34	70	3:03	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0058.Feige34	70	3:04	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0059.COMP	5	3:06	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0060.Feige34	70	3:06	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0061.Feige34	70	3:08	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0062.COMP	12	3:09	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0063.MRK421	300	3:11	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0064.MRK421	300	3:16	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0065.MRK421	300	3:21	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0066.COMP	12	3:27	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0067.093854p11410_c	2100	3:31	9:41:39.1	11:28:29	300	28	3.0	#113 Interacti	2	
0068.COMP	12	4:06	9:41:39.1	11:28:29	300	28	3.0	#113 Interacti	2	
0069.101724p28050_b	2100	4:09	10:20:21.6	27:47:38	300	90	3.0	#113 Interacti	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0070.COMP	12	4:44	10:20:21.6	27:47:38	300	90	3.0	#113 Interacti	2	
0071.104924p10250.b	2100	4:47	10:52:3.3	10:6:17	300	90	3.0	#113 Interacti	2	
0072.COMP	12	5:23	10:52:3.3	10:6:17	300	90	3.0	#113 Interacti	2	
0073.sn2004bi	1800	5:34	10:47:37.4	+26:18:12	300	71	3.0	#2 SN Observat	2	tilt=599
0074.COMP	12	6:05	10:47:37.4	+26:18:12	300	71	3.0	#2 SN Observat	2	
0075.sn2004bg	1200	6:07	11:21:01.5	+21:20:23	300	66	3.0	#2 SN Observat	2	
0076.COMP	12	6:28	11:21:01.5	+21:20:23	300	66	3.0	#2 SN Observat	2	
0077.BDp262606	45	6:30	14:49:02.3	+25:42:09	300	-10	3.0	#56 Spectropho	2	
0078.BDp262606	45	6:31	14:49:02.3	+25:42:09	300	-10	3.0	#56 Spectropho	2	
0079.COMP	12	6:33	14:49:02.3	+25:42:09	300	-10	3.0	#56 Spectropho	2	
0080.BDp332642	50	6:35	15:50:03.0	33:05:49	300	88	3.0	#56 Spectropho	2	
0081.BDp332642	50	6:36	15:50:03.0	33:05:49	300	88	3.0	#56 Spectropho	2	
0082.COMP	12	6:38	15:50:03.0	33:05:49	300	88	3.0	#56 Spectropho	2	
0083-0092.FLAT	12	6:43	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0093.133824p43150.b	1050	6:49	13:40:31.2	42:59:38	300	41	3.0	#113 Interacti	2	combo setup, row=78
0094.133824p43150.b	1050	7:06	13:40:31.2	42:59:38	300	41	3.0	#113 Interacti	2	
0095.COMP	12	7:24	13:40:31.2	42:59:38	300	41	3.0	#113 Interacti	2	
0096.134506p34240.b	960	7:26	13:47:28.3	34:9:8	300	30	3.0	#113 Interacti	2	
0097.134506p34240.b	960	7:43	13:47:28.3	34:9:8	300	30	3.0	#113 Interacti	2	
0098.COMP	12	7:59	13:47:28.3	34:9:8	300	30	3.0	#113 Interacti	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0099.134506p34240_e	1110	8:01	13:47:14.5	34:8:4	300	90	3.0	#113 Interacti	2	
0100.134506p34240_e	1110	8:20	13:47:14.5	34:8:4	300	90	3.0	#113 Interacti	2	
0101.COMP	12	8:39	13:47:14.5	34:8:4	300	90	3.0	#113 Interacti	2	
0102.153318p12460_b	1110	8:42	15:35:33.0	12:34:3	300	-4	3.0	#113 Interacti	2	
0103.153318p12460_b	1110	9:00	15:35:33.0	12:34:3	300	-4	3.0	#113 Interacti	2	
0104.COMP	12	9:19	15:35:33.0	12:34:3	300	-4	3.0	#113 Interacti	2	
0105.154806p19050_b	1200	9:22	15:50:17.1	18:57:14	300	83	3.0	#113 Interacti	2	
0106.154806p19050_b	1200	9:42	15:50:17.1	18:57:14	300	83	3.0	#113 Interacti	2	
0107.COMP	12	10:03	15:50:17.1	18:57:14	300	83	3.0	#113 Interacti	2	
0108.sc39_2728	360	10:17	17:55:16.7	-29:50:21	300	90	3.0	Champlane	2	row=78
0109.COMP	12	10:24	17:55:16.7	-29:50:21	300	90	3.0	Champlane	2	
0110.sc04_4625	720	10:38	17:54:32.2	-29:43:43	300	100	3.0	Champlane	2	row=79
0111.COMP	12	10:51	17:54:32.2	-29:43:43	300	100	3.0	Champlane	2	
0112.sc04_4310	480	10:54	17:54:28.4	-29:45:47	300	90	3.0	Champlane	2	
0113.COMP	12	11:02	17:54:28.4	-29:45:47	300	90	3.0	Champlane	2	
0114.sc04_3113	900	11:16	17:54:08.0	-29:52:26	300	90	3.0	Champlane	2	row=78
0115.COMP	12	11:32	17:54:08.0	-29:52:26	300	90	3.0	Champlane	2	
0116.BDp284211	60	11:34	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0117.BDp284211	60	11:36	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0118.COMP	12	11:37	21:48:57.1	28:37:48	300	90	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>
0119-0128.BIAS	0	11:43	21:48:57.1	28:37:48	300	90	3.0	Champlane	4	
0129-0138.FLAT	6	11:48	21:48:57.1	28:37:48	300	90	3.0	Champlane	4	
0139-0148.BIAS	0	11:54	21:48:57.1	28:37:48	300	90	3.0	Champlane	2	
0149-0158.FLAT	12	12:00	21:48:57.1	28:37:48	300	90	3.0	Champlane	2	
0159-0168.DARK	900	14:18	21:48:57.1	28:37:48	300	90	3.0	Champlane	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	2:32	10:49:00.6	+31:31:03	300	90	3.0	Champlane	4	
0011-0018.FLAT	8	2:35	10:51:46.0	+31:31:03	300	90	3.0	Champlane	4	
0019-0020.FLAT	8	2:36	10:52:24.6	+31:31:04	300	90	3.0	Champlane	4	
0021-0030.BIAS	0	2:38	10:54:36.4	+31:31:04	300	90	3.0	Champlane	2	
0031.FLAT	16	2:38	10:55:14.7	+31:31:04	300	90	3.0	Champlane	2	thick clouds
0032-0037.FLAT	16	2:42	10:58:47.1	+31:31:04	300	90	3.0	Champlane	2	
0038-0040.FLAT	16	2:44	11:00:33.2	+31:31:05	300	90	3.0	Champlane	2	
0041.HD84937	15	3:15	09:48:56.1	13:44:39	300	49	3.0	#56 Spectropho	2	
0042.HD84937	15	3:16	09:48:56.1	13:44:39	300	49	3.0	#56 Spectropho	2	
0043.HD84937	15	3:16	09:48:56.1	13:44:39	300	49	3.0	#56 Spectropho	2	
0044.HD84937	15	3:17	09:48:56.1	13:44:39	300	49	3.0	#56 Spectropho	2	
0045.HD84937	15	3:17	09:48:56.1	13:44:39	300	49	3.0	#56 Spectropho	2	
0046.COMP	10	3:18	09:48:56.1	13:44:39	300	49	3.0	#56 Spectropho	2	
0047.Feige34	140	3:20	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0048.Feige34	300	3:22	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0049.COMP	10	3:28	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0050.N3227	360	3:34	10:23:30.6	+19:51:54	300	54	3.0	#6 AGN Monitor	4	
0051.N3227	360	3:40	10:23:30.6	+19:51:54	300	54	3.0	#6 AGN Monitor	4	
0052.COMP	5	3:50	10:23:30.6	+19:51:54	300	54	3.0	#6 AGN Monitor	4	
0053.MRK421	480	4:33	11:04:27.4	+38:12:32	300	100	3.0	#6 AGN Monitor	4	

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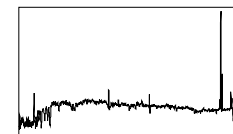
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0054.MRK421	480	4:42	11:04:27.4	+38:12:32	300	100	3.0	#6 AGN Monitor	4	
0055.COMP	5	4:50	11:04:27.4	+38:12:32	300	100	3.0	#6 AGN Monitor	4	
0056.N4051	300	4:51	12:03:09.7	+44:31:53	300	100	3.0	#6 AGN Monitor	4	stop and go through clouds
0057.N4051	300	4:56	12:03:09.7	+44:31:53	300	100	3.0	#6 AGN Monitor	4	
0058.COMP	5	5:02	12:03:09.7	+44:31:53	300	100	3.0	#6 AGN Monitor	4	
0059.N4151	45	5:03	12:10:32.6	+39:24:21	300	100	3.0	#6 AGN Monitor	4	
0060.N4151	60	5:04	12:10:32.6	+39:24:21	300	100	3.0	#6 AGN Monitor	4	
0061.N4151	60	5:05	12:10:32.6	+39:24:21	300	100	3.0	#6 AGN Monitor	4	
0062.N4151	45	5:06	12:10:32.6	+39:24:21	300	100	3.0	#6 AGN Monitor	4	
0063.COMP	5	5:07	12:10:32.6	+39:24:21	300	100	3.0	#6 AGN Monitor	4	
0064.114836+50270	600	5:52	11:51:13.4	+50:09:25	300	90	3.0	#84f Updated Z	4	
0065.COMP	5	6:03	11:51:13.4	+50:09:25	300	90	3.0	#84f Updated Z	4	
0066.115630+25160	720	6:09	11:59:05.5	+24:59:20	300	90	3.0	#84f Updated Z	4	
0067.COMP	5	6:22	11:59:05.5	+24:59:20	300	90	3.0	#84f Updated Z	4	
0068.122342+13140	240	7:18	12:26:11.9	+12:56:47	300	90	3.0	#84f Updated Z	4	
0069.COMP	5	7:23	12:26:11.9	+12:56:47	300	90	3.0	#84f Updated Z	4	
0070.124854+27420	360	7:26	12:51:26.1	+27:25:17	300	90	3.0	#84f Updated Z	4	
0071.COMP	5	7:32	12:51:26.1	+27:25:17	300	90	3.0	#84f Updated Z	4	
0072.133424+17440	180	7:33	13:36:54.4	+17:24:04	300	90	3.0	#84f Updated Z	4	
0073.COMP	5	7:36	13:36:54.4	+17:24:04	300	90	3.0	#84f Updated Z	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0074.133512+05300	600	7:37	13:37:43.1	+05:14:33	300	90	3.0	#84f Updated Z	4	
0075.COMP	5	7:47	13:37:43.1	+05:14:33	300	90	3.0	#84f Updated Z	4	
0076.133700+06250	900	7:48	13:39:37.8	+06:09:09	300	90	3.0	#84f Updated Z	4	
0077.COMP	5	8:04	13:39:37.8	+06:09:09	300	90	3.0	#84f Updated Z	4	
0078.135354+18320	600	8:05	13:56:10.7	+18:16:23	300	90	3.0	#84f Updated Z	4	
0079.COMP	5	8:15	13:56:10.7	+18:16:23	300	90	3.0	#84f Updated Z	4	
0080.140054+09410	360	8:16	14:03:23.1	+09:26:57	300	90	3.0	#84f Updated Z	4	clearing
0081.COMP	5	8:22	14:03:23.1	+09:26:57	300	90	3.0	#84f Updated Z	4	
0082.140954+16070	900	8:24	14:12:15.9	+15:52:49	300	90	3.0	#84f Updated Z	4	
0083.COMP	5	8:39	14:12:15.9	+15:52:49	300	90	3.0	#84f Updated Z	4	
0084.141806+52080	600	8:40	14:19:54.6	+51:53:37	300	90	3.0	#84f Updated Z	4	
0085.COMP	5	8:51	14:19:54.6	+51:53:37	300	90	3.0	#84f Updated Z	4	
0086.142754+36350	120	8:52	14:30:01.5	+36:21:36	300	90	3.0	#84f Updated Z	4	north comp only
0087.COMP	5	8:54	14:30:01.5	+36:21:36	300	90	3.0	#84f Updated Z	4	
0088.143054+04400	240	8:55	14:33:24.3	+04:27:02	300	90	3.0	#84f Updated Z	4	
0089.COMP	5	8:59	14:33:24.3	+04:27:02	300	90	3.0	#84f Updated Z	4	
0090.sn2004ao	1200	9:03	17:28:09.3	+07:24:55	300	0	3.0	#2 SN Observat	2	tilt 599
0091.COMP	10	9:23	17:28:09.3	+07:24:55	300	0	3.0	#2 SN Observat	2	
0092.BDp262606	45	9:25	14:49:02.3	+25:42:09	300	70	3.0	#56 Spectropho	2	
0093.BDp262606	45	9:26	14:49:02.3	+25:42:09	300	70	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0094.COMP	10	9:28	14:49:02.3	+25:42:09	300	70	3.0	#56 Spectropho	2	
0095.BDp332642	90	9:29	15:50:03.0	33:05:49	300	86	3.0	#56 Spectropho	2	
0096.BDp332642	90	9:31	15:50:03.0	33:05:49	300	86	3.0	#56 Spectropho	2	
0097.COMP	10	9:34	15:50:03.0	33:05:49	300	86	3.0	#2 SN Observat	2	
0098-0107.FLAT	18	9:40	15:50:03.0	33:05:49	300	86	3.0	#2 SN Observat	2	
0108.test	5	9:43	18:00:00	32:00:00	300	90	3.0	#2 SN Observat	4	tilt 619 combo
0109.2M165844.6+030100	240	9:45	16:58:44.6	+03:1:0	300	90	3.0	#68 2MASS Reds	4	
0110.COMP	5	9:50	16:58:44.6	+03:1:0	300	90	3.0	#68 2MASS Reds	4	
0111.2M171622.1+061509	240	9:51	17:16:22.1	+06:15:9	300	90	3.0	#68 2MASS Reds	4	
0112.COMP	5	9:55	17:16:22.1	+06:15:9	300	90	3.0	#68 2MASS Reds	4	
0113.2M172737.1+073717	300	9:56	17:27:37.1	+07:37:17	300	40	3.0	#68 2MASS Reds	4	
0114.COMP	5	10:02	17:27:37.1	+07:37:17	300	40	3.0	#68 2MASS Reds	4	
0115.2M173342.5+065902	390	10:02	17:33:42.5	+06:59:2	300	40	3.0	#68 2MASS Reds	4	
0116.COMP	5	10:09	17:33:42.5	+06:59:2	300	40	3.0	#68 2MASS Reds	4	
0117.2M174014.5+090106	480	10:10	17:40:14.5	+09:1:6	300	90	3.0	#68 2MASS Reds	4	
0118.COMP	5	10:18	17:40:14.5	+09:1:6	300	90	3.0	#68 2MASS Reds	4	
0119.2M174146.4+034502	480	10:19	17:41:46.4	+03:45:2	300	90	3.0	#68 2MASS Reds	4	
0120.COMP	5	10:28	17:41:46.4	+03:45:2	300	90	3.0	#68 2MASS Reds	4	
0121.2M174435.2+385819	270	10:29	17:44:35.2	+38:58:19	300	90	3.0	#68 2MASS Reds	4	
0122.COMP	5	10:34	17:44:35.2	+38:58:19	300	90	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0123.2M170246.8+280412	240	10:44	17:2:46.8	+28:4:12	300	90	3.0	#68 2MASS Reds	4	
0124.COMP	5	10:48	17:2:46.8	+28:4:12	300	90	3.0	#68 2MASS Reds	4	
0125.2M170304.2+285434	240	10:49	17:3:4.2	+28:54:34	300	90	3.0	#68 2MASS Reds	4	
0126.COMP	5	10:53	17:3:4.2	+28:54:34	300	90	3.0	#68 2MASS Reds	4	
0127.2M171455.0+142843	300	10:54	17:14:55.0	+14:28:43	300	90	3.0	#68 2MASS Reds	4	
0128.COMP	5	10:59	17:14:55.0	+14:28:43	300	90	3.0	#68 2MASS Reds	4	
0129.2M171544.0+385324	240	11:00	17:15:44.0	+38:53:24	300	90	3.0	#68 2MASS Reds	4	
0130.COMP	5	11:05	17:15:44.0	+38:53:24	300	90	3.0	#68 2MASS Reds	4	
0131.2M172036.3+382728	300	11:05	17:20:36.3	+38:27:28	300	90	3.0	#68 2MASS Reds	4	
0132.COMP	5	11:10	17:20:36.3	+38:27:28	300	90	3.0	#68 2MASS Reds	4	
0133-0142.BIAS	0	11:13	17:20:36.3	+38:27:28	300	90	3.0	#68 2MASS Reds	4	
0143-0152.FLAT	8	11:16	17:20:36.3	+38:27:28	300	90	3.0	#68 2MASS Reds	4	
0153-0162.BIAS	0	11:19	17:20:36.3	+38:27:28	300	90	3.0	#68 2MASS Reds	2	
0163-0172.FLAT	16	11:24	17:20:36.3	+38:27:28	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	2:03	10:23:06.8	+31:30:59	300	90	3.0	#68 2MASS Reds	4	
0011-0020.FLAT	8	2:06	10:26:30.8	+31:30:59	300	90	3.0	#68 2MASS Reds	4	
0021-0025.BIAS	0	2:07	10:27:38.9	+31:30:59	300	90	3.0	#68 2MASS Reds	2	
0026-0030.BIAS	0	2:08	10:28:42.8	+31:31:00	300	90	3.0	#68 2MASS Reds	2	
0031-0038.FLAT	16	2:13	10:33:27.9	+31:31:00	300	90	3.0	#68 2MASS Reds	2	
0039-0040.FLAT	16	2:14	10:34:39.8	+31:31:01	300	90	3.0	#68 2MASS Reds	2	
0041.sky	3	2:30	10:45:00	32:00:00	300	90	3.0	#57 Velocity S	4	clearing...
0042-0045.sky	3	2:31	10:45:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	2:31	10:45:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0047.HD84937	12	3:10	09:48:56.1	13:44:39	300	49	3.0	#56 Spectropho	2	
0048.HD84937	12	3:11	09:48:56.1	13:44:39	300	49	3.0	#56 Spectropho	2	
0049.HD84937	12	3:12	09:48:56.1	13:44:39	300	49	3.0	#56 Spectropho	2	
0050.HD84937	12	3:12	09:48:56.1	13:44:39	300	49	3.0	#56 Spectropho	2	
0051.HD84937	12	3:12	09:48:56.1	13:44:39	300	49	3.0	#56 Spectropho	2	
0052.COMP	10	3:13	09:48:56.1	13:44:39	300	49	3.0	#56 Spectropho	2	
0053.Feige34	120	3:15	10:36:41.2	43:21:50	300	110	3.0	#56 Spectropho	2	
0054.Feige34	120	3:17	10:36:41.2	43:21:50	300	110	3.0	#56 Spectropho	2	
0055.COMP	10	3:20	10:36:41.2	43:21:50	300	110	3.0	#56 Spectropho	2	
0056.N4486B	240	3:31	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	2	
0057.COMP	10	3:35	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0058.NGC3227	300	3:39	10:23:30.6	+19:51:55	300	58	3.0	#151 AGN Emiss	2	
0059.NGC3227	300	3:44	10:23:30.6	+19:51:55	300	58	3.0	#151 AGN Emiss	2	
0060.COMP	10	3:49	10:23:30.6	+19:51:55	300	58	3.0	#151 AGN Emiss	2	
0061.NGC3998	300	3:52	11:57:56.1	+55:27:12	300	-10	3.0	#151 AGN Emiss	2	
0062.NGC3998	300	3:57	11:57:56.1	+55:27:12	300	-10	3.0	#151 AGN Emiss	2	
0063.COMP	10	4:03	11:57:56.1	+55:27:12	300	-10	3.0	#151 AGN Emiss	2	
0064.NGC4051	300	4:04	12:03:09.6	+44:31:52	300	-22	3.0	#151 AGN Emiss	2	
0065.NGC4051	300	4:09	12:03:09.6	+44:31:52	300	-22	3.0	#151 AGN Emiss	2	
0066.COMP	10	4:15	12:03:09.6	+44:31:52	300	-22	3.0	#151 AGN Emiss	2	
0067.NGC4151	45	4:17	12:10:32.5	+39:24:20	300	-40	3.0	#151 AGN Emiss	2	
0068.NGC4151	30	4:18	12:10:32.5	+39:24:20	300	-40	3.0	#151 AGN Emiss	2	
0069.NGC4151	30	4:19	12:10:32.5	+39:24:20	300	-40	3.0	#151 AGN Emiss	2	
0070.NGC4151	120	4:19	12:10:32.5	+39:24:20	300	-40	3.0	#151 AGN Emiss	2	
0071.NGC4151	120	4:22	12:10:32.5	+39:24:20	300	-40	3.0	#151 AGN Emiss	2	
0072.COMP	10	4:24	12:10:32.5	+39:24:20	300	-40	3.0	#151 AGN Emiss	2	
0073.NGC4593	360	4:27	12:39:39.4	-05:20:39	300	5	3.0	#151 AGN Emiss	2	
0074.NGC4593	360	4:33	12:39:39.4	-05:20:39	300	5	3.0	#151 AGN Emiss	2	
0075.COMP	10	4:40	12:39:39.4	-05:20:39	300	5	3.0	#151 AGN Emiss	2	
0076.sn2004bs	1200	4:46	10:39:39.3	25:19:19	300	72	3.0	#2 SN Observat	2	tilt 594 blue
0077.COMP	10	5:07	10:39:39.3	25:19:19	300	72	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0078.sn2004at	1800	5:11	10:58:45.1	+59:29:12	300	110	3.0	#2 SN Observat	2	
0079.COMP	10	5:42	10:58:45.1	+59:29:12	300	110	3.0	#2 SN Observat	2	
0080.sn2004bd	1500	5:47	11:39:42.1	+31:54:31	300	100	3.0	#2 SN Observat	2	
0081.COMP	10	6:12	11:39:42.1	+31:54:31	300	100	3.0	#2 SN Observat	2	
0082.BDp262606	45	6:17	14:49:02.3	+25:42:09	300	0	3.0	#56 Spectropho	2	
0083.BDp262606	45	6:18	14:49:02.3	+25:42:09	300	0	3.0	#56 Spectropho	2	
0084.BDp262606	45	6:19	14:49:02.3	+25:42:09	300	0	3.0	#56 Spectropho	2	
0085.COMP	10	6:21	14:49:02.3	+25:42:09	300	0	3.0	#56 Spectropho	2	
0086.BDp332642	90	6:23	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0087.BDp332642	90	6:25	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0088.COMP	10	6:27	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0089-0098.FLAT	18	6:32	15:50:03.0	33:05:49	300	90	3.0	#151 AGN Emiss	2	
0099.test	5	6:36	15:50:03.0	33:05:49	300	90	3.0	#151 AGN Emiss	4	
0100.BDp332642	120	6:37	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	tilt 614 combo
0101.BDp332642	120	6:40	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0102.COMP	10	6:42	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0103.N5548	240	6:48	14:17:59.6	+25:08:12	300	57	3.0	#6 AGN Monitor	4	courtesy J Battat
0104.N5548	240	6:52	14:17:59.6	+25:08:12	300	57	3.0	#6 AGN Monitor	4	
0105.COMP	5	6:57	14:17:59.6	+25:08:12	300	57	3.0	#6 AGN Monitor	4	
0106.MRK279	180	7:01	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0107.MRK279	180	7:04	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	
0108.COMP	5	7:08	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	
0109.142300-00540	900	7:13	14:25:33.3	-01:06:52	300	90	3.0	#84f Updated Z	4	thin clouds coming and going
0110.COMP	5	7:29	14:25:33.3	-01:06:52	300	90	3.0	#84f Updated Z	4	
0111.142406-03120	720	7:32	14:26:40.6	-03:25:23	300	90	3.0	#84f Updated Z	4	
0112.COMP	5	7:44	14:26:40.6	-03:25:23	300	90	3.0	#84f Updated Z	4	
0113.142300-02480	900	7:45	14:25:33.9	-03:01:32	300	90	3.0	#84f Updated Z	4	
0114.COMP	5	8:01	14:25:33.9	-03:01:32	300	90	3.0	#84f Updated Z	4	
0115.142612+11360	600	8:03	14:28:40.9	+11:22:04	300	90	3.0	#84f Updated Z	4	
0116.COMP	5	8:14	14:28:40.9	+11:22:04	300	90	3.0	#84f Updated Z	4	
0117.143024+14490	360	8:15	14:32:46.4	+14:35:18	300	70	3.0	#84f Updated Z	4	
0118.COMP	5	8:21	14:32:46.4	+14:35:18	300	70	3.0	#84f Updated Z	4	
0119.143148+40180	150	8:22	14:33:48.4	+40:05:40	300	90	3.0	#84f Updated Z	4	
0120.COMP	5	8:25	14:33:48.4	+40:05:40	300	90	3.0	#84f Updated Z	4	
0121.143136+53280	180	8:26	14:33:10.0	+53:13:55	300	90	3.0	#84f Updated Z	4	
0122.COMP	5	8:29	14:33:10.0	+53:13:55	300	90	3.0	#84f Updated Z	4	
0123.143312+59340	1200	8:31	14:34:36.9	+59:20:16	300	40	3.0	#84f Updated Z	4	
0124.COMP	5	8:52	14:34:36.9	+59:20:16	300	40	3.0	#84f Updated Z	4	
0125.143536+73450	300	8:54	14:35:38.7	+73:31:51	300	40	3.0	#84f Updated Z	4	
0126.COMP	5	8:59	14:35:38.7	+73:31:51	300	40	3.0	#84f Updated Z	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0127.145736+71530	480	9:00	14:57:45.8	+71:40:51	300	40	3.0	#84f Updated Z	4	
0128.COMP	5	9:09	14:57:45.8	+71:40:51	300	40	3.0	#84f Updated Z	4	
0129.145936+52480	1200	9:10	15:01:13.6	+52:35:47	300	40	3.0	#84f Updated Z	4	em
0130.COMP	5	9:31	15:01:13.6	+52:35:47	300	40	3.0	#84f Updated Z	4	
0131.143906+53440	240	9:32	14:40:38.1	+53:30:15	300	90	3.0	#84f Updated Z	4	wow
0132.COMP	5	9:36	14:40:38.1	+53:30:15	300	90	3.0	#84f Updated Z	4	
0133.2M173324.3+683314	300	9:37	17:33:24.3	+68:33:14	300	90	3.0	#68 2MASS Reds	4	
0134.COMP	5	9:43	17:33:24.3	+68:33:14	300	90	3.0	#68 2MASS Reds	4	
0135.2M173327.6+363240	300	9:44	17:33:27.6	+36:32:40	300	90	3.0	#68 2MASS Reds	4	
0136.COMP	5	9:50	17:33:27.6	+36:32:40	300	90	3.0	#68 2MASS Reds	4	
0137.2M173936.9+344458	300	9:51	17:39:36.9	+34:44:58	300	70	3.0	#68 2MASS Reds	4	
0138.COMP	5	9:57	17:39:36.9	+34:44:58	300	70	3.0	#68 2MASS Reds	4	
0139.2M174135.6+291219	240	9:57	17:41:35.6	+29:12:19	300	70	3.0	#68 2MASS Reds	4	
0140.COMP	5	10:02	17:41:35.6	+29:12:19	300	70	3.0	#68 2MASS Reds	4	
0141.2M174512.8+203324	360	10:03	17:45:12.8	+20:33:24	300	90	3.0	#68 2MASS Reds	4	
0142.COMP	5	10:10	17:45:12.8	+20:33:24	300	90	3.0	#68 2MASS Reds	4	
0143.2M174826.2+275924	240	10:10	17:48:26.2	+27:59:24	300	90	3.0	#68 2MASS Reds	4	
0144.COMP	5	10:15	17:48:26.2	+27:59:24	300	90	3.0	#68 2MASS Reds	4	
0145.2M175048.1+252630	240	10:15	17:50:48.1	+25:26:30	300	90	3.0	#68 2MASS Reds	4	
0146.COMP	5	10:20	17:50:48.1	+25:26:30	300	90	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0147.2M174657.2+454043	300	10:21	17:46:57.2	+45:40:43	300	90	3.0	#68 2MASS Reds	4	
0148.COMP	5	10:27	17:46:57.2	+45:40:43	300	90	3.0	#68 2MASS Reds	4	
0149.2M174949.2+424342	420	10:27	17:49:49.2	+42:43:42	300	90	3.0	#68 2MASS Reds	4	
0150.COMP	5	10:35	17:49:49.2	+42:43:42	300	90	3.0	#68 2MASS Reds	4	
0151.2M175106.6+570041	210	10:36	17:51:6.6	+57:0:41	300	90	3.0	#68 2MASS Reds	4	
0152.COMP	5	10:40	17:51:6.6	+57:0:41	300	90	3.0	#68 2MASS Reds	4	
0153.2M175152.3+540122	360	10:41	17:51:52.3	+54:1:22	300	90	3.0	#68 2MASS Reds	4	
0154.COMP	5	10:47	17:51:52.3	+54:1:22	300	90	3.0	#68 2MASS Reds	4	
0155.2M175241.0+314921	240	10:48	17:52:41.0	+31:49:21	300	90	3.0	#68 2MASS Reds	4	
0156.COMP	5	10:53	17:52:41.0	+31:49:21	300	90	3.0	#68 2MASS Reds	4	
0157.2M175310.6+225331	480	10:54	17:53:10.6	+22:53:31	300	90	3.0	#68 2MASS Reds	4	
0158.COMP	5	11:02	17:53:10.6	+22:53:31	300	90	3.0	#68 2MASS Reds	4	
0159.2M180110.9+483150	240	11:04	18:1:10.9	+48:31:50	300	90	3.0	#68 2MASS Reds	4	
0160.COMP	5	11:08	18:1:10.9	+48:31:50	300	90	3.0	#68 2MASS Reds	4	
0161.2M180245.7+195616	240	11:09	18:2:45.7	+19:56:16	300	90	3.0	#68 2MASS Reds	4	
0162.COMP	5	11:13	18:2:45.7	+19:56:16	300	90	3.0	#68 2MASS Reds	4	
0163.2M180122.0+152047	240	11:14	18:1:22.0	+15:20:47	300	90	3.0	#68 2MASS Reds	4	
0164.COMP	5	11:19	18:1:22.0	+15:20:47	300	90	3.0	#68 2MASS Reds	4	
0165.HD192281	6	11:21	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	
0166.HD192281	6	11:21	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0167.HD192281	6	11:21	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	
0168.COMP	10	11:22	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	
0169.FineFoc	60	11:23	20:01:52.4	31:39:17	300	90	3.0	#68 2MASS Reds	1	
0170-0179.BIAS	0	11:29	20:01:52.4	31:39:17	300	90	3.0	#68 2MASS Reds	4	
0180-0189.FLAT	8	11:32	20:01:52.4	31:39:17	300	90	3.0	#68 2MASS Reds	4	
0190-0199.BIAS	0	11:34	20:01:52.4	31:39:17	300	90	3.0	#68 2MASS Reds	2	
0200-0209.FLAT	16	11:40	20:01:52.4	31:39:17	300	90	3.0	#68 2MASS Reds	2	
0210.DARK	900	11:42	20:19:18.0	+31:29:24	300	90	3.0	#68 2MASS Reds	4	
0211.DARK	900	11:57	20:34:31.9	+31:29:20	300	90	3.0	#68 2MASS Reds	4	
0212.DARK	900	12:12	20:49:42.3	+31:29:15	300	90	3.0	#68 2MASS Reds	4	
0213.DARK	900	12:28	21:04:55.3	+31:29:11	300	90	3.0	#68 2MASS Reds	4	
0214.DARK	900	12:43	21:20:09.4	+31:29:07	300	90	3.0	#68 2MASS Reds	4	
0215.DARK	900	12:58	21:35:20.1	+31:29:04	300	90	3.0	#68 2MASS Reds	4	
0216.DARK	900	13:13	21:50:33.8	+31:29:00	300	90	3.0	#68 2MASS Reds	4	
0217.DARK	900	13:28	22:05:45.1	+31:28:57	300	90	3.0	#68 2MASS Reds	4	
0218.DARK	900	13:43	22:20:58.6	+31:28:54	300	90	3.0	#68 2MASS Reds	4	
0219.DARK	900	13:59	22:36:09.3	+31:28:52	300	90	3.0	#68 2MASS Reds	4	
0220.DARK	900	14:14	22:51:23.6	+31:28:49	300	90	3.0	#68 2MASS Reds	2	
0221.DARK	900	14:29	23:06:41.8	+31:28:47	300	90	3.0	#68 2MASS Reds	2	
0222.DARK	900	14:44	23:22:00.0	+31:28:45	300	90	3.0	#68 2MASS Reds	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>Bir</i>	<i>Comments</i>
0223.DARK	900	15:00	23:37:15.6	+31:28:44	300	90	3.0	#68 2MASS Reds	2	
0224.DARK	900	15:15	23:52:34.6	+31:28:43	300	90	3.0	#68 2MASS Reds	2	
0225.DARK	900	15:30	00:07:52.8	+31:28:42	300	90	3.0	#68 2MASS Reds	2	
0226-0227.DARK	900	16:01	00:38:25.9	+31:28:41	300	90	3.0	#68 2MASS Reds	2	
0228-0229.DARK	900	16:31	01:09:02.8	+31:28:42	300	90	3.0	#68 2MASS Reds	2	

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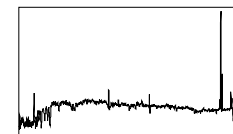
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0006.FLAT	18	2:02	10:27:18.0	+31:30:59	300	90	3.0	#68 2MASS Reds	2	
0007-0010.FLAT	18	2:05	10:29:17.7	+31:31:00	300	90	3.0	#68 2MASS Reds	2	
0011-0020.BIAS	0	2:12	10:36:13.5	+31:31:01	300	90	3.0	#68 2MASS Reds	4	
0021-0030.FLAT	8	2:15	10:39:37.4	+31:31:01	300	90	3.0	#68 2MASS Reds	4	
0031-0040.BIAS	0	2:17	10:41:45.7	+31:31:02	300	90	3.0	#68 2MASS Reds	2	
0041-0047.FLAT	16	2:21	10:45:56.9	+31:31:02	300	90	3.0	#68 2MASS Reds	2	
0048-0050.FLAT	16	2:23	10:47:42.9	+31:31:03	300	90	3.0	#68 2MASS Reds	2	
0051-0055.sky	3	2:32	10:51:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	2:33	10:51:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.HD84937	12	3:16	09:48:56.1	13:44:39	300	50	3.0	#56 Spectropho	2	focus
0058.HD84937	12	3:16	09:48:56.1	13:44:39	300	50	3.0	#56 Spectropho	2	
0059.HD84937	12	3:17	09:48:56.1	13:44:39	300	50	3.0	#56 Spectropho	2	
0060.HD84937	12	3:17	09:48:56.1	13:44:39	300	50	3.0	#56 Spectropho	2	
0061.COMP	5	3:18	09:48:56.1	13:44:39	300	50	3.0	#56 Spectropho	2	next time 10-sec
0062.Feige34	120	3:24	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	focus
0063.Feige34	120	3:27	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0065.COMP	10	3:30	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0066.N3379	120	3:34	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	4	
0067.N3379	120	3:36	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	4	
0068.COMP	5	3:39	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0069.N3379	300	3:40	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	4	double bonus
0070.N3379	180	3:45	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	4	
0071.COMP	5	3:49	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	4	
0072.N4151	30	3:51	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0073.N4151	30	3:52	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0074.COMP	5	3:53	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0075.N4051	150	3:55	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0076.N4051	150	3:57	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0077.COMP	5	4:00	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0078.N3227	150	4:04	10:23:30.6	+19:51:54	300	60	3.0	#6 AGN Monitor	4	
0079.N3227	150	4:06	10:23:30.6	+19:51:54	300	60	3.0	#6 AGN Monitor	4	
0080.COMP	5	4:09	10:23:30.6	+19:51:54	300	60	3.0	#6 AGN Monitor	4	
0081.4C20.24	1800	4:12	10:58:17.9	+19:51:50	300	58	3.0	#151 AGN Emiss	2	
0082.COMP	10	4:42	10:58:17.9	+19:51:50	300	58	3.0	#151 AGN Emiss	2	
0083.sn2004bi	1800	4:57	10:47:37.4	+26:18:12	300	71	3.0	#2 SN Observat	2	blue tilt
0084.COMP	10	5:27	10:47:37.4	+26:18:12	300	71	3.0	#2 SN Observat	2	
0085.sn2004bg	1800	5:30	11:21:01.5	+21:20:23	300	65	3.0	#2 SN Observat	2	
0086.COMP	10	6:00	11:21:01.5	+21:20:23	300	65	3.0	#2 SN Observat	2	
0087.sn2004bt	1200	6:07	14:19:53.8	51:53:49	300	-15	3.0	#2 SN Observat	2	
0088.COMP	10	6:27	14:19:53.8	51:53:49	300	-15	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0089.BDp262606	45	6:31	14:49:02.3	+25:42:09	300	0	3.0	#56 Spectropho	2	
0090.BDp262606	45	6:31	14:49:02.3	+25:42:09	300	0	3.0	#56 Spectropho	2	
0091.BDp262606	45	6:32	14:49:02.3	+25:42:09	300	0	3.0	#56 Spectropho	2	
0092.COMP	10	6:34	14:49:02.3	+25:42:09	300	0	3.0	#56 Spectropho	2	
0093.BDp332642	120	6:35	15:50:03.0	33:05:49	300	86	3.0	#56 Spectropho	2	
0094.BDp332642	120	6:38	15:50:03.0	33:05:49	300	86	3.0	#56 Spectropho	2	
0095.COMP	10	6:40	15:50:03.0	33:05:49	300	86	3.0	#56 Spectropho	2	
0096.FLAT	18	6:41	15:50:03.0	33:05:49	300	90	3.0	#151 AGN Emiss	2	blue tilt again
0097-0105.FLAT	18	6:46	15:50:03.0	33:05:49	300	90	3.0	#151 AGN Emiss	2	
0106.COMP	10	6:56	15:50:03.0	33:05:49	600	90	2.0	#151 AGN Emiss	4	
0107.COMP	10	6:58	15:50:03.0	33:05:49	600	90	2.0	#151 AGN Emiss	4	
0108.FLAT	24	7:01	15:50:03.0	33:05:49	600	90	2.0	#151 AGN Emiss	4	600-line, 2-sec, Warren
0109-0117.FLAT	24	7:05	15:50:03.0	33:05:49	600	90	2.0	#151 AGN Emiss	4	
0118.BDp332642	120	7:11	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0119.BDp332642	120	7:13	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	7:15	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0121.hs2330	180	7:18	12:38:17.2	69:29:36	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	7:22	12:38:17.2	69:29:36	600	90	2.0	#122 Halo Star	4	
0123.hs2331	600	7:24	12:39:10.8	51:02:45	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	7:35	12:39:10.8	51:02:45	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0125.hs2332	240	7:37	12:39:52.9	59:00:25	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	7:42	12:39:52.9	59:00:25	600	90	2.0	#122 Halo Star	4	
0127.hs2535	600	7:45	13:34:14.6	53:34:12	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	7:55	13:34:14.6	53:34:12	600	90	2.0	#122 Halo Star	4	
0129.hs2536	540	7:57	13:34:15.0	54:57:56	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	8:06	13:34:15.0	54:57:56	600	90	2.0	#122 Halo Star	4	
0131.hs2537	600	8:08	13:34:25.7	64:41:29	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	8:19	13:34:25.7	64:41:29	600	90	2.0	#122 Halo Star	4	
0133.hs2538	600	8:21	13:34:30.8	44:28:31	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	8:31	13:34:30.8	44:28:31	600	90	2.0	#122 Halo Star	4	
0135.hs2748	540	8:33	15:18:57.4	58:01:08	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	8:42	15:18:57.4	58:01:08	600	90	2.0	#122 Halo Star	4	
0137.hs2749	480	8:44	15:20:09.3	65:45:14	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	8:52	15:20:09.3	65:45:14	600	90	2.0	#122 Halo Star	4	
0139.hs2750	240	8:54	15:20:31.3	63:52:08	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	8:58	15:20:31.3	63:52:08	600	90	2.0	#122 Halo Star	4	
0141.hs2751	480	9:00	15:20:41.4	66:07:01	600	90	2.0	#122 Halo Star	4	
0142.COMP	10	9:08	15:20:41.4	66:07:01	600	90	2.0	#122 Halo Star	4	
0143.hs2752	600	9:09	15:20:58.9	64:27:15	600	90	2.0	#122 Halo Star	4	
0144.COMP	10	9:20	15:20:58.9	64:27:15	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0145.hs2754	180	9:24	15:21:17.2	60:57:45	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	9:27	15:21:17.2	60:57:45	600	90	2.0	#122 Halo Star	4	
0147.hs2756	600	9:29	15:24:57.3	58:53:32	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	9:39	15:24:57.3	58:53:32	600	90	2.0	#122 Halo Star	4	
0149.hs2757	300	9:41	15:25:28.6	63:09:45	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	9:46	15:25:28.6	63:09:45	600	90	2.0	#122 Halo Star	4	
0151.hs2758	180	9:47	15:25:47.3	58:41:57	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	9:51	15:25:47.3	58:41:57	600	90	2.0	#122 Halo Star	4	
0153.hs2759	540	9:52	15:25:53.6	63:04:39	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	10:02	15:25:53.6	63:04:39	600	90	2.0	#122 Halo Star	4	
0155.hs2760	390	10:03	15:26:39.9	67:27:10	600	90	2.0	#122 Halo Star	4	
0156.COMP	10	10:10	15:26:39.9	67:27:10	600	90	2.0	#122 Halo Star	4	
0157.COMP	5	10:18	18:40:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0158.COMP	5	10:20	18:40:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0159.COMP	5	10:22	18:40:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0160.2M175108.9+163915	420	10:26	17:51:8.9	+16:39:15	300	90	3.0	#68 2MASS Reds	4	
0161.COMP	5	10:34	17:51:8.9	+16:39:15	300	90	3.0	#68 2MASS Reds	4	
0162.2M175318.2+063407	300	10:36	17:53:18.2	+06:34:7	300	90	3.0	#68 2MASS Reds	4	
0163.COMP	5	10:41	17:53:18.2	+06:34:7	300	90	3.0	#68 2MASS Reds	4	
0164.2M175634.5+123845	360	10:42	17:56:34.5	+12:38:45	300	90	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0165.COMP	5	10:48	17:56:34.5	+12:38:45	300	90	3.0	#68 2MASS Reds	4	
0166.2M175922.5+171529	420	10:50	17:59:22.5	+17:15:29	300	90	3.0	#68 2MASS Reds	4	
0167.COMP	5	10:57	17:59:22.5	+17:15:29	300	90	3.0	#68 2MASS Reds	4	
0168.2M180921.1+543139	210	10:59	18:9:21.1	+54:31:39	300	90	3.0	#68 2MASS Reds	4	
0169.COMP	5	11:02	18:9:21.1	+54:31:39	300	90	3.0	#68 2MASS Reds	4	
0170.3C390.3	480	11:04	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	4	
0171.COMP	5	11:13	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	4	
0172.FineFoc	60	11:16	20:01:52.4	31:39:17	300	90	3.0	#122 Halo Star	1	
0173-0182.BIAS	0	11:27	20:01:52.4	31:39:17	300	90	3.0	#122 Halo Star	4	
0183-0192.FLAT	8	11:30	20:01:52.4	31:39:17	300	90	3.0	#122 Halo Star	4	
0193-0202.BIAS	0	11:32	20:01:52.4	31:39:17	300	90	3.0	#122 Halo Star	2	
0203-0212.FLAT	16	11:38	20:01:52.4	31:39:17	300	90	3.0	#122 Halo Star	2	
0213-0222.DARK	900	13:57	20:01:52.4	31:39:17	300	90	3.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	1:56	20:01:52.4	31:39:17	300	90	3.0	testing	4	combo tilt 612
0002-0010.BIAS	0	1:58	20:01:52.4	31:39:17	300	90	3.0	testing	4	
0011-0020.FLAT	8	2:01	20:01:52.4	31:39:17	300	90	3.0	testing	4	
0021-0030.BIAS	0	2:03	20:01:52.4	31:39:17	300	90	3.0	testing	2	
0031-0040.FLAT	16	2:09	20:01:52.4	31:39:17	300	90	3.0	testing	2	
0041-0045.sky	10	2:44	11:05:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	2:45	11:05:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0047.HD84937	12	4:08	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0048.HD84937	12	4:08	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0049.HD84937	12	4:09	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0050.COMP	10	4:09	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0051.N3377	120	4:33	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0052.COMP	5	4:35	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0053.N4151	30	4:40	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0054.N4151	30	4:41	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0055.COMP	5	4:42	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0056.N4051	150	4:43	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0057.N4051	150	4:46	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0058.COMP	5	4:49	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0059.M87	180	4:52	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0060.M87	180	4:55	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0061.COMP	5	4:58	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0062.Feige34	120	5:06	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0063.Feige34	120	5:08	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0064.COMP	10	5:11	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0065.sn2004aw	1200	5:19	11:57:50.2	+25:15:55	300	70	3.0	#2 SN Observat	2	kept tilt at 612
0066.COMP	10	5:39	11:57:50.2	+25:15:55	300	70	3.0	#2 SN Observat	2	
0067.131436p31500_b	1200	5:55	13:16:53.0	31:35:55	300	90	3.0	#113 Interacti	2	debs gals
0068.COMP	10	6:16	13:16:53.0	31:35:55	300	90	3.0	#113 Interacti	2	
0069.BDp262606	30	6:21	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	and checked focus
0070.BDp262606	30	6:22	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0071.COMP	10	6:22	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0072.134700p35300_b	1500	6:24	13:49:12.2	35:17:4	300	90	3.0	#113 Interacti	2	
0073.COMP	10	6:50	13:49:12.2	35:17:4	300	90	3.0	#113 Interacti	2	
0074.135600p23080_c	1200	6:52	13:58:1.7	22:54:13	300	90	3.0	#113 Interacti	2	
0075.COMP	10	7:12	13:58:1.7	22:54:13	300	90	3.0	#113 Interacti	2	
0076.c0215	900	7:18	16:05:40.6	15:47:17	300	90	3.0	#64 Cluster In	2	
0077.COMP	10	7:34	16:05:40.6	15:47:17	300	90	3.0	#64 Cluster In	2	
0078.c0216	300	7:38	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	
0079.COMP	10	7:43	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	

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0080.c0216	600	7:44	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	
0081.COMP	10	7:55	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	
0082.c0217	600	7:58	16:02:28.3	15:50:46	300	60	3.0	#64 Cluster In	2	
0083.COMP	10	8:08	16:02:28.3	15:50:46	300	60	3.0	#64 Cluster In	2	
0084.c0218	900	8:12	16:01:45.5	15:53:28	300	-10	3.0	#64 Cluster In	2	
0085.COMP	10	8:27	16:01:45.5	15:53:28	300	-10	3.0	#64 Cluster In	2	
0086.sn2004ao	1200	8:35	17:28:09.3	+07:24:55	300	-10	3.0	#2 SN Observat	2	
0087.COMP	10	8:56	17:28:09.3	+07:24:55	300	-10	3.0	#2 SN Observat	2	
0088.2M180256.3+344903	420	9:11	18:2:56.3	+34:49:3	300	90	3.0	#68 2MASS Reds	4	
0089.COMP	5	9:18	18:2:56.3	+34:49:3	300	90	3.0	#68 2MASS Reds	4	
0090.2M180339.5+432749	360	9:20	18:3:39.5	+43:27:49	300	90	3.0	#68 2MASS Reds	4	
0091.COMP	5	9:26	18:3:39.5	+43:27:49	300	90	3.0	#68 2MASS Reds	4	
0092.2M180412.5+580047	420	9:30	18:4:12.5	+58:0:47	300	90	3.0	#68 2MASS Reds	4	
0093.COMP	5	9:37	18:4:12.5	+58:0:47	300	90	3.0	#68 2MASS Reds	4	
0094.2M180450.5+435713	360	9:39	18:4:50.5	+43:57:13	300	90	3.0	#68 2MASS Reds	4	
0095.COMP	5	9:46	18:4:50.5	+43:57:13	300	90	3.0	#68 2MASS Reds	4	
0096.2M180559.7+593726	360	9:47	18:5:59.7	+59:37:26	300	90	3.0	#68 2MASS Reds	4	
0097.COMP	5	9:53	18:5:59.7	+59:37:26	300	90	3.0	#68 2MASS Reds	4	
0098.2M180643.2+222507	360	9:55	18:6:43.2	+22:25:7	300	90	3.0	#68 2MASS Reds	4	
0099.COMP	5	10:01	18:6:43.2	+22:25:7	300	90	3.0	#68 2MASS Reds	4	

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0100.2M181054.0+542258	360	10:03	18:10:54.0	+54:22:58	300	90	3.0	#68 2MASS Reds	4	
0101.COMP	5	10:09	18:10:54.0	+54:22:58	300	90	3.0	#68 2MASS Reds	4	
0102.2M181315.5+421813	360	10:10	18:13:15.5	+42:18:13	300	90	3.0	#68 2MASS Reds	4	
0103.COMP	5	10:17	18:13:15.5	+42:18:13	300	90	3.0	#68 2MASS Reds	4	
0104.2M181617.4+273151	360	10:18	18:16:17.4	+27:31:51	300	90	3.0	#68 2MASS Reds	4	
0105.COMP	5	10:25	18:16:17.4	+27:31:51	300	90	3.0	#68 2MASS Reds	4	
0106.FineFoc	60	10:29	19:02:55.0	31:41:06	300	90	3.0	#68 2MASS Reds	1	
0107.2M183022.2+521512	240	10:36	18:30:22.2	+52:15:12	300	90	3.0	#68 2MASS Reds	4	
0108.COMP	5	10:41	18:30:22.2	+52:15:12	300	90	3.0	#68 2MASS Reds	4	
0109.2M182858.3+535611	300	10:42	18:28:58.3	+53:56:11	300	90	3.0	#68 2MASS Reds	4	
0110.COMP	5	10:47	18:28:58.3	+53:56:11	300	90	3.0	#68 2MASS Reds	4	
0111.2M182126.9+263935	180	10:50	18:21:26.9	+26:39:35	300	90	3.0	#68 2MASS Reds	4	
0112.COMP	5	10:53	18:21:26.9	+26:39:35	300	90	3.0	#68 2MASS Reds	4	
0113.2M181914.6+125505	420	10:55	18:19:14.6	+12:55:5	300	90	3.0	#68 2MASS Reds	4	
0114.COMP	5	11:02	18:19:14.6	+12:55:5	300	90	3.0	#68 2MASS Reds	4	
0115.2M182145.4+180420	330	11:04	18:21:45.4	+18:4:20	300	100	3.0	#68 2MASS Reds	4	
0116.COMP	5	11:10	18:21:45.4	+18:4:20	300	100	3.0	#68 2MASS Reds	4	
0117.2M182611.0+005810	480	11:12	18:26:11.0	+00:58:10	300	100	3.0	#68 2MASS Reds	4	
0118.COMP	5	11:21	18:26:11.0	+00:58:10	300	100	3.0	#68 2MASS Reds	4	
0119-0128.BIAS	0	11:32	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0129-0138.FLAT	8	11:36	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	4	
0139-0148.BIAS	0	11:38	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	2	
0149-0158.FLAT	16	11:44	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	2	
0159-0167.DARK	900	14:02	18:33:15.6	+00:9:31	300	90	3.0	#68 2MASS Reds	4	
0001.BIAS	0	1:56	20:01:52.4	31:39:17	300	90	3.0	testing	4	combo tilt 612
0002-0010.BIAS	0	1:58	20:01:52.4	31:39:17	300	90	3.0	testing	4	
0011-0020.FLAT	8	2:01	20:01:52.4	31:39:17	300	90	3.0	testing	4	
0021-0030.BIAS	0	2:03	20:01:52.4	31:39:17	300	90	3.0	testing	2	
0031-0040.FLAT	16	2:09	20:01:52.4	31:39:17	300	90	3.0	testing	2	
0041-0045.sky	10	2:44	11:05:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	2:45	11:05:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0047.HD84937	12	4:08	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0048.HD84937	12	4:08	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0049.HD84937	12	4:09	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0050.COMP	10	4:09	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0051.N3377	120	4:33	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0052.COMP	5	4:35	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0053.N4151	30	4:40	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0054.N4151	30	4:41	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0055.COMP	5	4:42	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0056.N4051	150	4:43	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0057.N4051	150	4:46	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0058.COMP	5	4:49	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0059.M87	180	4:52	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0060.M87	180	4:55	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0061.COMP	5	4:58	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0062.Feige34	120	5:06	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0063.Feige34	120	5:08	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0064.COMP	10	5:11	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0065.sn2004aw	1200	5:19	11:57:50.2	+25:15:55	300	70	3.0	#2 SN Observat	2	kept tilt at 612
0066.COMP	10	5:39	11:57:50.2	+25:15:55	300	70	3.0	#2 SN Observat	2	
0067.131436p31500_b	1200	5:55	13:16:53.0	31:35:55	300	90	3.0	#113 Interacti	2	debs gals
0068.COMP	10	6:16	13:16:53.0	31:35:55	300	90	3.0	#113 Interacti	2	
0069.BDp262606	30	6:21	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	and checked focus
0070.BDp262606	30	6:22	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0071.COMP	10	6:22	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0072.134700p35300_b	1500	6:24	13:49:12.2	35:17:4	300	90	3.0	#113 Interacti	2	
0073.COMP	10	6:50	13:49:12.2	35:17:4	300	90	3.0	#113 Interacti	2	
0074.135600p23080_c	1200	6:52	13:58:1.7	22:54:13	300	90	3.0	#113 Interacti	2	
0075.COMP	10	7:12	13:58:1.7	22:54:13	300	90	3.0	#113 Interacti	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0076.c0215	900	7:18	16:05:40.6	15:47:17	300	90	3.0	#64 Cluster In	2	
0077.COMP	10	7:34	16:05:40.6	15:47:17	300	90	3.0	#64 Cluster In	2	
0078.c0215	300	7:38	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	this source is really c0216
0079.COMP	10	7:43	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	
0080.c0215	600	7:44	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	this source is really c0216
0081.COMP	10	7:55	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	
0082.c0217	600	7:58	16:02:28.3	15:50:46	300	60	3.0	#64 Cluster In	2	
0083.COMP	10	8:08	16:02:28.3	15:50:46	300	60	3.0	#64 Cluster In	2	
0084.c0218	900	8:12	16:01:45.5	15:53:28	300	-10	3.0	#64 Cluster In	2	
0085.COMP	10	8:27	16:01:45.5	15:53:28	300	-10	3.0	#64 Cluster In	2	
0086.sn2004ao	1200	8:35	17:28:09.3	+07:24:55	300	-10	3.0	#2 SN Observat	2	
0087.COMP	10	8:56	17:28:09.3	+07:24:55	300	-10	3.0	#2 SN Observat	2	
0088.2M180256.3+344903	420	9:11	18:2:56.3	+34:49:3	300	90	3.0	#68 2MASS Reds	4	
0089.COMP	5	9:18	18:2:56.3	+34:49:3	300	90	3.0	#68 2MASS Reds	4	
0090.2M180339.5+432749	360	9:20	18:3:39.5	+43:27:49	300	90	3.0	#68 2MASS Reds	4	
0091.COMP	5	9:26	18:3:39.5	+43:27:49	300	90	3.0	#68 2MASS Reds	4	
0092.2M180412.5+580047	420	9:30	18:4:12.5	+58:0:47	300	90	3.0	#68 2MASS Reds	4	
0093.COMP	5	9:37	18:4:12.5	+58:0:47	300	90	3.0	#68 2MASS Reds	4	
0094.2M180450.5+435713	360	9:39	18:4:50.5	+43:57:13	300	90	3.0	#68 2MASS Reds	4	
0095.COMP	5	9:46	18:4:50.5	+43:57:13	300	90	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0096.2M180559.7+593726	360	9:47	18:5:59.7	+59:37:26	300	90	3.0	#68 2MASS Reds	4	
0097.COMP	5	9:53	18:5:59.7	+59:37:26	300	90	3.0	#68 2MASS Reds	4	
0098.2M180643.2+222507	360	9:55	18:6:43.2	+22:25:7	300	90	3.0	#68 2MASS Reds	4	
0099.COMP	5	10:01	18:6:43.2	+22:25:7	300	90	3.0	#68 2MASS Reds	4	
0100.2M181054.0+542258	360	10:03	18:10:54.0	+54:22:58	300	90	3.0	#68 2MASS Reds	4	
0101.COMP	5	10:09	18:10:54.0	+54:22:58	300	90	3.0	#68 2MASS Reds	4	
0102.2M181315.5+421813	360	10:10	18:13:15.5	+42:18:13	300	90	3.0	#68 2MASS Reds	4	
0103.COMP	5	10:17	18:13:15.5	+42:18:13	300	90	3.0	#68 2MASS Reds	4	
0104.2M181617.4+273151	360	10:18	18:16:17.4	+27:31:51	300	90	3.0	#68 2MASS Reds	4	
0105.COMP	5	10:25	18:16:17.4	+27:31:51	300	90	3.0	#68 2MASS Reds	4	
0106.FineFoc	60	10:29	19:02:55.0	31:41:06	300	90	3.0	#68 2MASS Reds	1	
0107.2M183022.2+521512	240	10:36	18:30:22.2	+52:15:12	300	90	3.0	#68 2MASS Reds	4	
0108.COMP	5	10:41	18:30:22.2	+52:15:12	300	90	3.0	#68 2MASS Reds	4	
0109.2M182858.3+535611	300	10:42	18:28:58.3	+53:56:11	300	90	3.0	#68 2MASS Reds	4	
0110.COMP	5	10:47	18:28:58.3	+53:56:11	300	90	3.0	#68 2MASS Reds	4	
0111.2M182126.9+263935	180	10:50	18:21:26.9	+26:39:35	300	90	3.0	#68 2MASS Reds	4	
0112.COMP	5	10:53	18:21:26.9	+26:39:35	300	90	3.0	#68 2MASS Reds	4	
0113.2M181914.6+125505	420	10:55	18:19:14.6	+12:55:5	300	90	3.0	#68 2MASS Reds	4	
0114.COMP	5	11:02	18:19:14.6	+12:55:5	300	90	3.0	#68 2MASS Reds	4	
0115.2M182145.4+180420	330	11:04	18:21:45.4	+18:4:20	300	100	3.0	#68 2MASS Reds	4	

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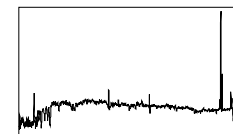
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0116.COMP	5	11:10	18:21:45.4	+18:4:20	300	100	3.0	#68 2MASS Reds	4	
0117.2M182611.0+005810	480	11:12	18:26:11.0	+00:58:10	300	100	3.0	#68 2MASS Reds	4	
0118.COMP	5	11:21	18:26:11.0	+00:58:10	300	100	3.0	#68 2MASS Reds	4	
0119-0128.BIAS	0	11:32	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	4	
0129-0138.FLAT	8	11:36	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	4	
0139-0148.BIAS	0	11:38	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	2	
0149-0158.FLAT	16	11:44	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	2	
0159-0167.DARK	900	14:02	18:33:15.6	+00:9:31	300	90	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	2:22	18:33:15.6	+00:9:31	600	90	2.0	#68 2MASS Reds	4	
0011.FLAT	24	2:23	18:33:15.6	+00:9:31	600	90	2.0	#68 2MASS Reds	4	600line 2arcsec for halo stars
0012-0020.FLAT	24	2:28	18:33:15.6	+00:9:31	600	90	2.0	#68 2MASS Reds	4	
0021.hs2031	120	3:18	11:47:29.4	18:29:41	600	90	2.0	#122 Halo Star	4	a night for warren begins
0022.COMP	10	3:20	11:47:29.4	18:29:41	600	90	2.0	#122 Halo Star	4	
0023.hs2031	300	3:20	11:47:29.4	18:29:41	600	90	2.0	#122 Halo Star	4	
0024.COMP	10	3:26	11:47:29.4	18:29:41	600	90	2.0	#122 Halo Star	4	
0025.hs2099	240	3:28	11:57:56.3	10:51:18	600	90	2.0	#122 Halo Star	4	
0026.COMP	10	3:32	11:57:56.3	10:51:18	600	90	2.0	#122 Halo Star	4	
0027.hs2101	210	3:34	11:58:05.0	11:30:44	600	90	2.0	#122 Halo Star	4	
0028.COMP	10	3:38	11:58:05.0	11:30:44	600	90	2.0	#122 Halo Star	4	
0029.hs2098	500	3:39	11:57:53.7	26:14:59	600	90	2.0	#122 Halo Star	4	
0030.COMP	10	3:48	11:57:53.7	26:14:59	600	90	2.0	#122 Halo Star	4	
0031.hs2100	420	3:50	11:58:00.3	29:57:31	600	90	2.0	#122 Halo Star	4	
0032.COMP	10	3:58	11:58:00.3	29:57:31	600	90	2.0	#122 Halo Star	4	
0033.hs2101	540	3:59	11:58:05.0	11:30:44	600	90	2.0	#122 Halo Star	4	
0034.COMP	10	4:08	11:58:05.0	11:30:44	600	90	2.0	#122 Halo Star	4	
0035.hs2102	570	4:10	11:58:06.1	42:51:46	600	90	2.0	#122 Halo Star	4	
0036.COMP	10	4:19	11:58:06.1	42:51:46	600	90	2.0	#122 Halo Star	4	
0037.hs2146	570	4:21	12:04:48.1	10:45:26	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0038.COMP	10	4:31	12:04:48.1	10:45:26	600	90	2.0	#122 Halo Star	4	
0039.hs2166	240	4:35	12:07:54.0	46:19:40	600	90	2.0	#122 Halo Star	4	
0040.COMP	10	4:39	12:07:54.0	46:19:40	600	90	2.0	#122 Halo Star	4	
0041.hs2168	600	4:40	12:08:11.4	42:32:26	600	90	2.0	#122 Halo Star	4	
0042.COMP	10	4:50	12:08:11.4	42:32:26	600	90	2.0	#122 Halo Star	4	
0043.hs2175	420	4:53	12:08:57.1	44:57:47	600	90	2.0	#122 Halo Star	4	
0044.COMP	10	5:00	12:08:57.1	44:57:47	600	90	2.0	#122 Halo Star	4	
0045.hs2174	300	5:01	12:08:51.7	38:33:19	600	90	2.0	#122 Halo Star	4	
0046.COMP	10	5:07	12:08:51.7	38:33:19	600	90	2.0	#122 Halo Star	4	
0047.hs2172	240	5:08	12:08:42.0	36:02:07	600	90	2.0	#122 Halo Star	4	
0048.COMP	10	5:12	12:08:42.0	36:02:07	600	90	2.0	#122 Halo Star	4	
0049.hs2171	300	5:14	12:08:33.6	31:49:05	600	90	2.0	#122 Halo Star	4	
0050.COMP	10	5:20	12:08:33.6	31:49:05	600	90	2.0	#122 Halo Star	4	
0051.hs2583	180	5:22	13:48:49.2	76:16:00	600	90	2.0	#122 Halo Star	4	
0052.COMP	10	5:25	13:48:49.2	76:16:00	600	90	2.0	#122 Halo Star	4	
0053.hs2584	420	5:26	13:49:18.2	74:41:53	600	90	2.0	#122 Halo Star	4	
0054.COMP	10	5:33	13:49:18.2	74:41:53	600	90	2.0	#122 Halo Star	4	
0055.hs2588	420	5:37	13:51:08.0	79:33:46	600	90	2.0	#122 Halo Star	4	
0056.COMP	10	5:45	13:51:08.0	79:33:46	600	90	2.0	#122 Halo Star	4	
0057.hs2587	330	5:47	13:51:01.1	75:36:30	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.COMP	10	5:52	13:51:01.1	75:36:30	600	90	2.0	#122 Halo Star	4	
0059.hs2651	480	5:56	14:19:20.8	72:52:16	600	90	2.0	#122 Halo Star	4	
0060.COMP	10	6:04	14:19:20.8	72:52:16	600	90	2.0	#122 Halo Star	4	
0061.hs2650	210	6:05	14:18:37.9	63:43:38	600	90	2.0	#122 Halo Star	4	
0062.COMP	10	6:09	14:18:37.9	63:43:38	600	90	2.0	#122 Halo Star	4	
0063.hs2653	480	6:11	14:19:37.8	63:04:35	600	90	2.0	#122 Halo Star	4	
0064.COMP	10	6:19	14:19:37.8	63:04:35	600	90	2.0	#122 Halo Star	4	
0065.hs2652	480	6:21	14:19:22.3	59:37:41	600	90	2.0	#122 Halo Star	4	
0066.COMP	10	6:29	14:19:22.3	59:37:41	600	90	2.0	#122 Halo Star	4	
0067.hs2414	360	6:31	12:56:24.8	32:26:33	600	90	2.0	#122 Halo Star	4	
0068.COMP	10	6:37	12:56:24.8	32:26:33	600	90	2.0	#122 Halo Star	4	
0069.hs2420	360	6:38	12:59:43.2	31:20:29	600	90	2.0	#122 Halo Star	4	
0070.COMP	10	6:44	12:59:43.2	31:20:29	600	90	2.0	#122 Halo Star	4	
0071.hs2416	420	6:46	12:56:49.2	31:49:36	600	90	2.0	#122 Halo Star	4	
0072.COMP	10	6:53	12:56:49.2	31:49:36	600	90	2.0	#122 Halo Star	4	
0073.hs2771	180	6:55	15:32:50.6	78:13:37	600	90	2.0	#122 Halo Star	4	
0074.COMP	10	6:58	15:32:50.6	78:13:37	600	90	2.0	#122 Halo Star	4	
0075.hs2773	150	7:00	15:34:30.3	65:59:37	600	90	2.0	#122 Halo Star	4	
0076.COMP	10	7:03	15:34:30.3	65:59:37	600	90	2.0	#122 Halo Star	4	
0077.hs2772	240	7:04	15:33:54.0	60:45:43	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0078.COMP	10	7:08	15:33:54.0	60:45:43	600	90	2.0	#122 Halo Star	4	
0079.hs2775	240	7:09	15:37:43.4	66:13:53	600	90	2.0	#122 Halo Star	4	
0080.COMP	10	7:14	15:37:43.4	66:13:53	600	90	2.0	#122 Halo Star	4	
0081.BDp332642	60	7:16	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	blue std
0082.BDp332642	60	7:18	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0083.COMP	10	7:19	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0084.hs2800	390	7:22	15:54:15.3	70:12:59	600	90	2.0	#122 Halo Star	4	
0085.COMP	10	7:28	15:54:15.3	70:12:59	600	90	2.0	#122 Halo Star	4	
0086.hs2805	150	7:29	15:59:11.9	76:18:03	600	90	2.0	#122 Halo Star	4	
0087.COMP	10	7:32	15:59:11.9	76:18:03	600	90	2.0	#122 Halo Star	4	
0088.hs2803	420	7:33	15:58:39.1	71:47:41	600	90	2.0	#122 Halo Star	4	
0089.COMP	10	7:41	15:58:39.1	71:47:41	600	90	2.0	#122 Halo Star	4	
0090.hs2801	270	7:42	15:54:43.5	70:03:16	600	90	2.0	#122 Halo Star	4	
0091.COMP	10	7:47	15:54:43.5	70:03:16	600	90	2.0	#122 Halo Star	4	
0092.hs2804	450	7:48	15:58:48.7	67:38:05	600	90	2.0	#122 Halo Star	4	
0093.COMP	10	7:56	15:58:48.7	67:38:05	600	90	2.0	#122 Halo Star	4	
0094.hs2807	450	7:57	16:00:11.0	67:08:49	600	90	2.0	#122 Halo Star	4	
0095.COMP	10	8:05	16:00:11.0	67:08:49	600	90	2.0	#122 Halo Star	4	
0096.hs2806	540	8:06	16:00:08.7	62:48:38	600	90	2.0	#122 Halo Star	4	
0097.COMP	10	8:15	16:00:08.7	62:48:38	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0098.hs2802	240	8:17	15:56:42.2	60:18:32	600	90	2.0	#122 Halo Star	4	
0099.COMP	10	8:21	15:56:42.2	60:18:32	600	90	2.0	#122 Halo Star	4	
0100.hs2872	510	8:22	16:43:32.4	72:57:29	600	90	2.0	#122 Halo Star	4	
0101.COMP	10	8:31	16:43:32.4	72:57:29	600	90	2.0	#122 Halo Star	4	
0102.hs2869	300	8:33	16:42:12.0	72:29:05	600	90	2.0	#122 Halo Star	4	
0103.COMP	10	8:38	16:42:12.0	72:29:05	600	90	2.0	#122 Halo Star	4	
0104.hs2863	540	8:40	16:34:44.8	71:44:02	600	90	2.0	#122 Halo Star	4	
0105.COMP	10	8:49	16:34:44.8	71:44:02	600	90	2.0	#122 Halo Star	4	
0106.hs2875	480	8:53	16:47:39.2	71:27:51	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	9:01	16:47:39.2	71:27:51	600	90	2.0	#122 Halo Star	4	
0108.hs2876	150	9:03	16:48:09.0	71:25:00	600	90	2.0	#122 Halo Star	4	
0109.COMP	10	9:06	16:48:09.0	71:25:00	600	90	2.0	#122 Halo Star	4	
0110.hs2882	270	9:07	16:56:53.3	69:00:23	600	90	2.0	#122 Halo Star	4	
0111.COMP	10	9:12	16:56:53.3	69:00:23	600	90	2.0	#122 Halo Star	4	
0112.hs2880	600	9:16	16:54:21.1	67:45:37	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	9:26	16:54:21.1	67:45:37	600	90	2.0	#122 Halo Star	4	
0114.hs2881	300	9:27	16:55:20.3	67:37:57	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	9:32	16:55:20.3	67:37:57	600	90	2.0	#122 Halo Star	4	
0116.hs2870	600	9:35	16:42:52.5	62:00:54	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	9:45	16:42:52.5	62:00:54	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0118.hs2877	480	9:46	16:48:48.7	66:32:46	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	9:54	16:48:48.7	66:32:46	600	90	2.0	#122 Halo Star	4	
0120.hs2884	210	9:56	16:57:10.0	67:21:28	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	10:00	16:57:10.0	67:21:28	600	90	2.0	#122 Halo Star	4	
0122.hs2874	240	10:01	16:46:30.1	63:03:10	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	10:06	16:46:30.1	63:03:10	600	90	2.0	#122 Halo Star	4	
0124.hs2873	210	10:07	16:46:02.9	62:40:05	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	10:11	16:46:02.9	62:40:05	600	90	2.0	#122 Halo Star	4	
0126.hs2878	300	10:12	16:51:09.8	62:34:02	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	10:17	16:51:09.8	62:34:02	600	90	2.0	#122 Halo Star	4	
0128.hs2879	210	10:18	16:53:56.8	62:25:35	600	90	2.0	#122 Halo Star	4	
0129.COMP	10	10:22	16:53:56.8	62:25:35	600	90	2.0	#122 Halo Star	4	
0130.hs2883	390	10:23	16:57:08.6	60:59:42	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	10:30	16:57:08.6	60:59:42	600	90	2.0	#122 Halo Star	4	
0132.hs2871	480	10:31	16:43:09.2	60:48:03	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	10:39	16:43:09.2	60:48:03	600	90	2.0	#122 Halo Star	4	
0134.hs2868	150	10:40	16:41:53.9	63:37:39	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	10:43	16:41:53.9	63:37:39	600	90	2.0	#122 Halo Star	4	
0136.hs2867	600	10:44	16:38:14.6	59:59:39	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	10:55	16:38:14.6	59:59:39	600	90	2.0	#122 Halo Star	4	



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Coll. Focus 1020 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>Bir</i>	<i>Comments</i>
0138-0147.BIAS	0	11:01	19:33:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0148-0157.FLAT	24	11:06	19:33:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0158-0167.DARK	900	13:33	19:33:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0168-0169.DARK	900	14:03	19:33:00	32:00:00	600	90	2.0	#122 Halo Star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	2:07	19:33:00	32:00:00	300	90	3.0	#122 Halo Star	2	
0011.FLAT	18	2:08	19:33:00	32:00:00	300	90	3.0	#122 Halo Star	2	blue tilt 592
0012-0020.FLAT	18	2:13	19:33:00	32:00:00	300	90	3.0	#122 Halo Star	2	
0021.sn2004bi	1800	3:26	10:47:37.4	+26:18:12	300	67	3.0	#2 SN Observat	2	very faint
0022.COMP	10	3:56	10:47:37.4	+26:18:12	300	67	3.0	#2 SN Observat	2	
0023.sn2004bg	1200	4:01	11:21:01.5	+21:20:23	300	54	3.0	#2 SN Observat	2	gal in slit for this pa
0024.COMP	10	4:21	11:21:01.5	+21:20:23	300	54	3.0	#2 SN Observat	2	
0025.sn2004bg	1200	4:25	11:21:01.5	+21:20:23	300	90	3.0	#2 SN Observat	2	
0026.COMP	10	4:46	11:21:01.5	+21:20:23	300	90	3.0	#2 SN Observat	2	
0027.Feige34	60	4:48	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0028.Feige34	60	4:49	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0029.COMP	10	4:51	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0030.BDp262606	45	4:53	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0031.BDp262606	45	4:54	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0032.BDp262606	45	4:55	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0033.COMP	10	4:56	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0034.sn2004bt	1500	5:03	14:19:53.8	51:53:49	300	25	3.0	#2 SN Observat	2	
0035.COMP	10	5:29	14:19:53.8	51:53:49	300	25	3.0	#2 SN Observat	2	
0036.FLAT	300	6:14	15:51:22.2	71:45:11	1200	0	1.5	#148 Accretion	2	steeghs target of opp
0037.COMP	24	6:19	15:51:22.2	71:45:11	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0038.SSUMi	300	6:31	15:51:22.2	71:45:11	1200	0	1.5	#148 Accretion	2	very very weak
0039.SSUMi	300	6:36	15:51:22.2	71:45:11	1200	0	1.5	#148 Accretion	2	
0040.COMP	45	6:43	15:51:22.2	71:45:11	1200	0	1.5	#148 Accretion	2	
0041.SSUMi	480	6:45	15:51:22.2	71:45:11	1200	0	1.5	#148 Accretion	2	
0042.SSUMi	480	6:53	15:51:22.2	71:45:11	1200	0	1.5	#148 Accretion	2	
0043.SSUMi	480	7:01	15:51:22.2	71:45:11	1200	0	1.5	#148 Accretion	2	
0044.SSUMi	480	7:10	15:51:22.2	71:45:11	1200	0	1.5	#148 Accretion	2	
0045.COMP	45	7:18	15:51:22.2	71:45:11	1200	0	1.5	#148 Accretion	2	
0046.BDp332642	60	7:25	15:50:03.0	33:05:49	1200	90	1.5	#56 Spectropho	2	
0047.BDp332642	60	7:26	15:50:03.0	33:05:49	1200	90	1.5	#56 Spectropho	2	
0048.BDp332642	60	7:27	15:50:03.0	33:05:49	1200	90	1.5	#56 Spectropho	2	
0049.COMP	45	7:29	15:50:03.0	33:05:49	1200	90	1.5	#56 Spectropho	2	
0050.BDp262606	45	7:31	14:49:02.3	+25:42:09	1200	90	1.5	#56 Spectropho	2	
0051.BDp262606	45	7:32	14:49:02.3	+25:42:09	1200	90	1.5	#56 Spectropho	2	
0052.BDp262606	45	7:33	14:49:02.3	+25:42:09	1200	90	1.5	#56 Spectropho	2	
0053.COMP	45	7:35	14:49:02.3	+25:42:09	1200	90	1.5	#56 Spectropho	2	
0054.COMP	5	7:49	16:15:00	32:00:00	300	90	3.0	#56 Spectropho	4	back to std combo. tilt ok at 615
0055.BDp262606	30	7:53	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0056.BDp262606	30	7:54	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0057.BDp262606	30	7:55	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0058.COMP	10	7:56	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0059.BDp332642	60	7:58	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0060.BDp332642	60	7:59	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0061.COMP	10	8:01	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0062.MRK279	180	8:04	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	
0063.MRK279	180	8:07	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	
0064.MRK279	180	8:10	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	
0065.COMP	5	8:14	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	
0066.N5548	240	8:16	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0067.N5548	240	8:20	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0068.COMP	240	8:24	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0069.153518-01350	300	8:35	15:37:53.0	-01:44:10	300	80	3.0	#84f Updated Z	4	
0070.COMP	5	8:40	15:37:53.0	-01:44:10	300	80	3.0	#84f Updated Z	4	
0071.153606+02530	210	8:42	15:38:39.3	+02:43:32	300	80	3.0	#84f Updated Z	4	
0072.COMP	5	8:46	15:38:39.3	+02:43:32	300	80	3.0	#84f Updated Z	4	
0073.N5846	300	8:49	15:03:56.9	+01:47:53	300	80	3.0	#57 Velocity S	2	
0074.COMP	10	8:55	15:03:56.9	+01:47:53	300	80	3.0	#57 Velocity S	2	
0075.154230+02370	480	9:07	15:45:00.4	+02:28:06	300	95	3.0	#84f Updated Z	4	
0076.COMP	5	9:15	15:45:00.4	+02:28:06	300	95	3.0	#84f Updated Z	4	
0077.154842+09530	900	9:18	15:51:04.4	+09:43:57	300	80	3.0	#84f Updated Z	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0078.COMP	5	9:33	15:51:04.4	+09:43:57	300	80	3.0	#84f Updated Z	4	
0079.180948+49530	360	9:36	18:11:05.4	+49:54:31	300	85	3.0	#84f Updated Z	4	
0080.COMP	5	9:43	18:11:05.4	+49:54:31	300	85	3.0	#84f Updated Z	4	
0081.181000+25350	300	9:45	18:11:58.8	+25:37:50	300	85	3.0	#84f Updated Z	4	
0082.COMP	5	9:50	18:11:58.8	+25:37:50	300	85	3.0	#84f Updated Z	4	
0083.181030+25250	420	9:52	18:12:32.1	+25:26:08	300	85	3.0	#84f Updated Z	4	
0084.COMP	5	10:00	18:12:32.1	+25:26:08	300	85	3.0	#84f Updated Z	4	
0085.181900+38070	300	10:01	18:20:43.2	+38:08:47	300	85	3.0	#84f Updated Z	4	
0086.COMP	5	10:07	18:20:43.2	+38:08:47	300	85	3.0	#84f Updated Z	4	
0087.181212+69550	420	10:09	18:11:45.6	+69:55:06	300	85	3.0	#84f Updated Z	4	
0088.COMP	5	10:17	18:11:45.6	+69:55:06	300	85	3.0	#84f Updated Z	4	
0089.181312+68200	420	10:18	18:12:59.8	+68:21:14	300	95	3.0	#84f Updated Z	4	
0090.COMP	5	10:26	18:12:59.8	+68:21:14	300	95	3.0	#84f Updated Z	4	
0091.2M182611.0+005810	900	10:30	18:26:11.0	+00:58:10	300	90	3.0	#68 2MASS Reds	4	
0092.COMP	5	10:45	18:26:11.0	+00:58:10	300	90	3.0	#68 2MASS Reds	4	
0093.2M185409.4+453549	420	10:50	18:54:9.4	+45:35:49	300	90	3.0	#68 2MASS Reds	4	
0094.COMP	5	10:57	18:54:9.4	+45:35:49	300	90	3.0	#68 2MASS Reds	4	
0095.2M183943.0+780446	360	11:00	18:39:43.0	+78:4:46	300	90	3.0	#68 2MASS Reds	4	
0096.COMP	5	11:06	18:39:43.0	+78:4:46	300	90	3.0	#68 2MASS Reds	4	
0097.2M185847.3+770618	360	11:10	18:58:47.3	+77:6:18	300	70	3.0	#68 2MASS Reds	4	

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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>
0098.COMP	5	11:16	18:58:47.3	+77:6:18	300	70	3.0	#68 2MASS Reds	4	
0099-0108.BIAS	0	11:23	18:58:47.3	+77:6:18	300	70	3.0	#6 AGN Monitor	4	
0109-0118.FLAT	8	11:26	18:58:47.3	+77:6:18	300	70	3.0	#6 AGN Monitor	4	
0119-0128.BIAS	0	11:29	18:58:47.3	+77:6:18	300	70	3.0	#6 AGN Monitor	2	
0129-0138.FLAT	16	11:34	18:58:47.3	+77:6:18	300	70	3.0	#6 AGN Monitor	2	
0139-0148.DARK	900	13:59	18:58:47.3	+77:6:18	300	70	3.0	#6 AGN Monitor	4	
0149-0158.DARK	900	16:31	18:58:47.3	+77:6:18	300	70	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	2:33	18:58:47.3	+77:6:18	600	70	2.0	#6 AGN Monitor	4	
0011.FLAT	24	2:33	18:58:47.3	+77:6:18	600	70	2.0	#6 AGN Monitor	4	600line 2arcsec for halo stars
0012-0020.FLAT	24	2:38	18:58:47.3	+77:6:18	600	70	2.0	#6 AGN Monitor	4	
0021.hs2169	360	3:21	12:08:12.4	19:02:38	600	90	2.0	#122 Halo Star	4	warren brown halo stars
0022.COMP	10	3:27	12:08:12.4	19:02:38	600	90	2.0	#122 Halo Star	4	
0023.hs2167	420	3:29	12:08:08.7	68:09:35	600	90	2.0	#122 Halo Star	4	
0024.COMP	10	3:37	12:08:08.7	68:09:35	600	90	2.0	#122 Halo Star	4	
0025.hs2170	300	3:38	12:08:21.1	64:07:53	600	90	2.0	#122 Halo Star	4	
0026.COMP	10	3:43	12:08:21.1	64:07:53	600	90	2.0	#122 Halo Star	4	
0027.hs2173	210	3:44	12:08:46.3	59:58:29	600	90	2.0	#122 Halo Star	4	
0028.COMP	10	3:48	12:08:46.3	59:58:29	600	90	2.0	#122 Halo Star	4	
0029.hs2181	150	3:59	12:10:33.9	58:40:38	600	90	2.0	#122 Halo Star	4	
0030.COMP	10	4:02	12:10:33.9	58:40:38	600	90	2.0	#122 Halo Star	4	
0031.hs2182	150	4:03	12:10:44.1	59:32:52	600	90	2.0	#122 Halo Star	4	
0032.COMP	10	4:06	12:10:44.1	59:32:52	600	90	2.0	#122 Halo Star	4	
0033.hs2182	360	4:07	12:10:44.1	59:32:52	600	90	2.0	#122 Halo Star	4	
0034.COMP	10	4:13	12:10:44.1	59:32:52	600	90	2.0	#122 Halo Star	4	
0035.hs2184	240	4:15	12:11:01.2	71:56:45	600	90	2.0	#122 Halo Star	4	
0036.COMP	10	4:19	12:11:01.2	71:56:45	600	90	2.0	#122 Halo Star	4	
0037.hs2180	600	4:21	12:10:27.1	28:13:16	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0038.COMP	10	4:31	12:10:27.1	28:13:16	600	90	2.0	#122 Halo Star	4	
0039.hs2179	450	4:32	12:10:26.3	34:32:53	600	90	2.0	#122 Halo Star	4	
0040.COMP	10	4:40	12:10:26.3	34:32:53	600	90	2.0	#122 Halo Star	4	
0041.hs2178	480	4:43	12:10:01.1	30:17:35	600	90	2.0	#122 Halo Star	4	
0042.COMP	10	4:52	12:10:01.1	30:17:35	600	90	2.0	#122 Halo Star	4	
0043.hs2176	450	4:53	12:09:06.7	30:09:18	600	90	2.0	#122 Halo Star	4	
0044.COMP	10	5:01	12:09:06.7	30:09:18	600	90	2.0	#122 Halo Star	4	
0045.hs2177	360	5:03	12:09:57.2	71:15:57	600	90	2.0	#122 Halo Star	4	
0046.COMP	10	5:09	12:09:57.2	71:15:57	600	90	2.0	#122 Halo Star	4	
0047.hs2183	180	5:11	12:10:56.0	22:05:24	600	90	2.0	#122 Halo Star	4	
0048.COMP	10	5:14	12:10:56.0	22:05:24	600	90	2.0	#122 Halo Star	4	
0049.hs2185	390	5:16	12:11:09.2	44:48:02	600	90	2.0	#122 Halo Star	4	
0050.COMP	10	5:23	12:11:09.2	44:48:02	600	90	2.0	#122 Halo Star	4	
0051.hs2186	540	5:24	12:11:16.0	22:06:36	600	90	2.0	#122 Halo Star	4	
0052.COMP	10	5:33	12:11:16.0	22:06:36	600	90	2.0	#122 Halo Star	4	
0053.hs2187	450	5:34	12:11:27.7	21:40:27	600	90	2.0	#122 Halo Star	4	
0054.COMP	10	5:42	12:11:27.7	21:40:27	600	90	2.0	#122 Halo Star	4	
0055.hs2188	210	5:44	12:11:44.0	45:19:36	600	90	2.0	#122 Halo Star	4	
0056.COMP	10	5:47	12:11:44.0	45:19:36	600	90	2.0	#122 Halo Star	4	
0057.hs2190	570	5:49	12:12:11.5	62:10:49	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0058.COMP	10	5:59	12:12:11.5	62:10:49	600	90	2.0	#122 Halo Star	4	
0059.hs2192	570	6:01	12:12:35.2	25:27:07	600	90	2.0	#122 Halo Star	4	
0060.COMP	10	6:10	12:12:35.2	25:27:07	600	90	2.0	#122 Halo Star	4	
0061.hs2193	270	6:12	12:12:38.4	26:38:11	600	90	2.0	#122 Halo Star	4	
0062.COMP	10	6:16	12:12:38.4	26:38:11	600	90	2.0	#122 Halo Star	4	
0063.hs2197	300	6:18	12:12:54.9	23:05:49	600	90	2.0	#122 Halo Star	4	
0064.COMP	10	6:23	12:12:54.9	23:05:49	600	90	2.0	#122 Halo Star	4	
0065.hs2198	180	6:24	12:13:03.0	44:31:44	600	90	2.0	#122 Halo Star	4	
0066.COMP	10	6:27	12:13:03.0	44:31:44	600	90	2.0	#122 Halo Star	4	
0067.hs2195	390	6:28	12:12:49.2	45:51:27	600	90	2.0	#122 Halo Star	4	
0068.COMP	10	6:35	12:12:49.2	45:51:27	600	90	2.0	#122 Halo Star	4	
0069.hs2196	600	6:36	12:12:54.7	40:45:42	600	90	2.0	#122 Halo Star	4	
0070.COMP	10	6:47	12:12:54.7	40:45:42	600	90	2.0	#122 Halo Star	4	
0071.hs2203	240	6:48	12:13:37.2	32:39:50	600	90	2.0	#122 Halo Star	4	
0072.COMP	10	6:53	12:13:37.2	32:39:50	600	90	2.0	#122 Halo Star	4	
0073.hs2211	300	6:54	12:14:48.5	36:38:49	600	90	2.0	#122 Halo Star	4	
0074.COMP	10	6:59	12:14:48.5	36:38:49	600	90	2.0	#122 Halo Star	4	
0075.hs2213	420	7:00	12:15:12.7	35:20:13	600	90	2.0	#122 Halo Star	4	
0076.COMP	10	7:08	12:15:12.7	35:20:13	600	90	2.0	#122 Halo Star	4	
0077.hs2261	450	7:09	12:23:24.9	36:31:08	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.COMP	10	7:17	12:23:24.9	36:31:08	600	90	2.0	#122 Halo Star	4	
0079.BDp332642	60	7:19	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	binby4
0080.BDp332642	60	7:20	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0081.COMP	10	7:22	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0082.BDp332642	60	7:23	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	2	binby2
0083.BDp332642	60	7:24	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	2	
0084.COMP	20	7:25	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	2	
0085.hs2541	210	7:33	13:36:02.5	46:31:19	600	90	2.0	#122 Halo Star	4	
0086.COMP	10	7:37	13:36:02.5	46:31:19	600	90	2.0	#122 Halo Star	4	
0087.hs2542	420	7:38	13:36:08.8	46:01:00	600	90	2.0	#122 Halo Star	4	
0088.COMP	10	7:45	13:36:08.8	46:01:00	600	90	2.0	#122 Halo Star	4	
0089.hs2547	240	7:47	13:36:59.0	47:04:47	600	90	2.0	#122 Halo Star	4	
0090.COMP	10	7:51	13:36:59.0	47:04:47	600	90	2.0	#122 Halo Star	4	
0091.hs2548	570	7:52	13:37:49.9	46:37:07	600	90	2.0	#122 Halo Star	4	
0092.COMP	10	8:01	13:37:49.9	46:37:07	600	90	2.0	#122 Halo Star	4	
0093.hs2559	330	8:03	13:40:08.8	47:51:51	600	90	2.0	#122 Halo Star	4	
0094.COMP	10	8:08	13:40:08.8	47:51:51	600	90	2.0	#122 Halo Star	4	
0095.hs2569	540	8:10	13:44:03.7	47:53:47	600	90	2.0	#122 Halo Star	4	
0096.COMP	10	8:19	13:44:03.7	47:53:47	600	90	2.0	#122 Halo Star	4	
0097.hs2808	210	8:21	16:00:48.6	69:34:41	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0098.COMP	10	8:25	16:00:48.6	69:34:41	600	90	2.0	#122 Halo Star	4	
0099.hs2833	510	8:26	16:16:53.4	67:06:39	600	90	2.0	#122 Halo Star	4	
0100.COMP	10	8:35	16:16:53.4	67:06:39	600	90	2.0	#122 Halo Star	4	
0101.hs2824	330	8:37	16:11:20.7	69:32:02	600	90	2.0	#122 Halo Star	4	
0102.COMP	10	8:43	16:11:20.7	69:32:02	600	90	2.0	#122 Halo Star	4	
0103.hs2827	420	8:44	16:13:15.5	67:19:06	600	90	2.0	#122 Halo Star	4	
0104.COMP	10	8:51	16:13:15.5	67:19:06	600	90	2.0	#122 Halo Star	4	
0105.hs2813	240	8:52	16:04:15.4	63:59:20	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	8:56	16:04:15.4	63:59:20	600	90	2.0	#122 Halo Star	4	
0107.hs2817	390	8:57	16:08:59.6	63:00:28	600	90	2.0	#122 Halo Star	4	
0108.COMP	10	9:04	16:08:59.6	63:00:28	600	90	2.0	#122 Halo Star	4	
0109.hs2821	570	9:05	16:10:49.0	65:56:06	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	9:15	16:10:49.0	65:56:06	600	90	2.0	#122 Halo Star	4	
0111.hs2826	570	9:17	16:12:27.1	63:16:15	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	9:27	16:12:27.1	63:16:15	600	90	2.0	#122 Halo Star	4	
0113.hs2830	180	9:28	16:15:08.1	62:17:14	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	9:31	16:15:08.1	62:17:14	600	90	2.0	#122 Halo Star	4	
0115.hs2834	420	9:32	16:17:03.4	61:40:00	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	9:39	16:17:03.4	61:40:00	600	90	2.0	#122 Halo Star	4	
0117.hs2832	450	9:40	16:15:49.9	61:10:45	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0118.COMP	10	9:48	16:15:49.9	61:10:45	600	90	2.0	#122 Halo Star	4	
0119.hs2828	300	9:49	16:13:41.2	61:02:20	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	9:54	16:13:41.2	61:02:20	600	90	2.0	#122 Halo Star	4	
0121.hs2825	420	9:55	16:11:37.8	60:25:07	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	10:03	16:11:37.8	60:25:07	600	90	2.0	#122 Halo Star	4	
0123.hs2829	450	10:04	16:14:52.8	66:03:24	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	10:12	16:14:52.8	66:03:24	600	90	2.0	#122 Halo Star	4	
0125.hs2819	420	10:12	16:10:00.5	64:17:23	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	10:20	16:10:00.5	64:17:23	600	90	2.0	#122 Halo Star	4	
0127.hs2820	420	10:21	16:10:09.8	64:16:25	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	10:28	16:10:09.8	64:16:25	600	90	2.0	#122 Halo Star	4	
0129.hs2823	240	10:29	16:11:09.7	60:52:51	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	10:33	16:11:09.7	60:52:51	600	90	2.0	#122 Halo Star	4	
0131.hs2809	360	10:34	16:02:27.7	60:30:58	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	10:41	16:02:27.7	60:30:58	600	90	2.0	#122 Halo Star	4	
0133.hs2811	330	10:42	16:03:58.8	59:36:56	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	10:47	16:03:58.8	59:36:56	600	90	2.0	#122 Halo Star	4	
0135.hs2814	390	10:48	16:06:05.0	59:10:23	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	10:55	16:06:05.0	59:10:23	600	90	2.0	#122 Halo Star	4	
0137.hs2822	600	10:56	16:10:56.7	59:11:14	600	90	2.0	#122 Halo Star	4	



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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>
0138.hs2822	600	11:07	16:10:56.7	59:11:14	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	11:18	16:10:56.7	59:11:14	600	90	2.0	#122 Halo Star	4	
0140-0149.BIAS	0	11:26	20:00:00	32:00:00	600	90	2.0	#6 AGN Monitor	4	
0150-0159.FLAT	24	11:31	20:00:00	32:00:00	600	90	2.0	#6 AGN Monitor	4	
0160-0169.DARK	900	14:05	20:00:00	32:00:00	600	90	2.0	#6 AGN Monitor	4	
0170-0179.DARK	900	16:38	20:00:00	32:00:00	600	90	2.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	2:25	20:00:00	32:00:00	300	90	3.0	#6 AGN Monitor	4	fast combo, 300line, 612tilt
0002-0010.BIAS	0	2:26	20:00:00	32:00:00	300	90	3.0	#6 AGN Monitor	4	
0011-0020.FLAT	8	2:29	20:00:00	32:00:00	300	90	3.0	#6 AGN Monitor	4	
0021-0030.BIAS	0	2:31	20:00:00	32:00:00	300	90	3.0	#6 AGN Monitor	2	
0031-0040.FLAT	16	2:37	20:00:00	32:00:00	300	90	3.0	#6 AGN Monitor	2	
0041.HD84937	12	3:24	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0042.HD84937	12	3:24	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0043.HD84937	12	3:25	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0044.COMP	10	3:25	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0045.Feige34	120	3:27	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0046.Feige34	120	3:30	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0047.COMP	10	3:32	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0048.N3377	180	3:34	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0049.COMP	10	3:37	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0050.N3227	150	3:39	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0051.N3227	150	3:42	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0052.COMP	5	3:45	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0053.N4051	150	3:49	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0054.N4051	150	3:51	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0055.COMP	5	3:54	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0056.MRK421	300	3:55	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	4	
0057.MRK421	300	4:00	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	4	
0058.COMP	5	4:06	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	4	
0059.N4151	30	4:09	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0060.N4151	30	4:09	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0061.COMP	5	4:10	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0062.M87	180	4:12	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0063.M87	180	4:15	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0064.COMP	5	4:18	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0065.112018p34470_c	1200	4:25	11:22:55.8	34:28:6	300	90	3.0	#113 Interacti	2	
0066.COMP	10	4:45	11:22:55.8	34:28:6	300	90	3.0	#113 Interacti	2	
0067.114048p21560_b	1200	4:49	11:43:28.2	21:40:27	300	9	3.0	#113 Interacti	2	
0068.COMP	10	5:09	11:43:28.2	21:40:27	300	9	3.0	#113 Interacti	2	
0069.114048p21560_c	900	5:12	11:43:15.0	21:42:10	300	90	3.0	#113 Interacti	2	
0070.COMP	10	5:27	11:43:15.0	21:42:10	300	90	3.0	#113 Interacti	2	
0071.N5548	240	5:29	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0072.N5548	240	5:33	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0073.COMP	5	5:38	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0074.114048p21560_d	1500	5:42	11:43:36.0	21:36:53	300	-20	3.0	#113 Interacti	2	
0075.COMP	10	6:08	11:43:36.0	21:36:53	300	-20	3.0	#113 Interacti	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0076.145036+16530	540	6:16	14:52:57.7	+16:41:50	300	90	3.0	#84f Updated Z	4	
0077.COMP	5	6:26	14:52:57.7	+16:41:50	300	90	3.0	#84f Updated Z	4	
0078.143312p22570.b	1800	6:33	14:35:29.0	22:43:37	300	110	3.0	#113 Interacti	2	
0079.COMP	10	7:04	14:35:29.0	22:43:37	300	110	3.0	#113 Interacti	2	
0080.154242+23010	600	7:07	15:44:50.4	+22:51:19	300	90	3.0	#84f Updated Z	4	
0081.COMP	5	7:17	15:44:50.4	+22:51:19	300	90	3.0	#84f Updated Z	4	
0082.153748+21590	540	7:19	15:39:56.8	+21:49:27	300	90	3.0	#84f Updated Z	4	
0083.COMP	5	7:28	15:39:56.8	+21:49:27	300	90	3.0	#84f Updated Z	4	
0084.152930+25240	600	7:30	15:31:36.9	+25:14:33	300	90	3.0	#84f Updated Z	4	
0085.COMP	5	7:40	15:31:36.9	+25:14:33	300	90	3.0	#84f Updated Z	4	
0086.151912+21230	600	7:42	15:21:30.4	+21:11:27	300	70	3.0	#84f Updated Z	4	
0087.COMP	5	7:53	15:21:30.4	+21:11:27	300	70	3.0	#84f Updated Z	4	
0088.154548+17580	540	7:54	15:48:03.7	+17:48:28	300	70	3.0	#84f Updated Z	4	
0089.COMP	5	8:03	15:48:03.7	+17:48:28	300	70	3.0	#84f Updated Z	4	
0090.170554+11550	510	8:06	17:08:15.9	+11:50:59	300	90	3.0	#84f Updated Z	4	
0091.COMP	5	8:15	17:08:15.9	+11:50:59	300	90	3.0	#84f Updated Z	4	
0092.165618+38170	300	8:16	16:58:01.7	+38:13:09	300	90	3.0	#84f Updated Z	4	
0093.COMP	5	8:22	16:58:01.7	+38:13:09	300	90	3.0	#84f Updated Z	4	
0094.175112+44590	510	8:24	17:52:40.6	+44:58:57	300	100	3.0	#84f Updated Z	4	
0095.COMP	5	8:33	17:52:40.6	+44:58:57	300	100	3.0	#84f Updated Z	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0096.162842+41130	540	8:34	16:30:19.1	+41:06:07	300	100	3.0	#84f Updated Z	4	
0097.COMP	5	8:44	16:30:19.1	+41:06:07	300	100	3.0	#84f Updated Z	4	
0098.162012p39030_c	1800	8:48	16:21:51.9	38:57:13	300	90	3.0	#113 Interacti	2	
0099.COMP	10	9:19	16:21:51.9	38:57:13	300	90	3.0	#113 Interacti	2	
0100.2M185032.7+162144	900	9:24	18:50:32.7	+16:21:44	300	110	3.0	#68 2MASS Reds	4	broad feature at pixel 40
0101.COMP	5	9:39	18:50:32.7	+16:21:44	300	110	3.0	#68 2MASS Reds	4	
0102.2M193157.1+395824	1200	9:42	19:31:57.1	+39:58:24	300	80	3.0	#68 2MASS Reds	4	
0103.COMP	5	10:02	19:31:57.1	+39:58:24	300	80	3.0	#68 2MASS Reds	4	
0104.2M195418.0+405625	900	10:04	19:54:18.0	+40:56:25	300	80	3.0	#68 2MASS Reds	4	
0105.COMP	5	10:20	19:54:18.0	+40:56:25	300	80	3.0	#68 2MASS Reds	4	
0106.2M201017.4+480021	900	10:22	20:10:17.4	+48:0:21	300	80	3.0	#68 2MASS Reds	4	central obj
0107.COMP	5	10:37	20:10:17.4	+48:0:21	300	80	3.0	#68 2MASS Reds	4	
0108.2M202132.5+494537	1200	10:39	20:21:32.5	+49:45:37	300	90	3.0	#68 2MASS Reds	4	
0109.COMP	5	11:00	20:21:32.5	+49:45:37	300	90	3.0	#68 2MASS Reds	4	
0110.2M203923.5+521949	950	11:02	20:39:23.5	+52:19:49	300	90	3.0	#68 2MASS Reds	4	no comp
0111.FineFoc	60	11:26	20:01:52.4	31:39:17	300	90	3.0	#6 AGN Monitor	1	
0112.HD192281	30	11:34	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	saturated ignore this one
0113.HD192281	15	11:34	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	sky getting very bright
0114.HD192281	15	11:35	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	
0115.COMP	10	11:36	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	

UT Date 2004-05-24 Observers J BattatColl. Focus 1020 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>
0116-0125.BIAS	0	11:46	20:31:23.0	41:04:50	300	90	3.0	#6 AGN Monitor	4	
0126-0135.FLAT	8	11:49	20:31:23.0	41:04:50	300	90	3.0	#6 AGN Monitor	4	
0136-0145.BIAS	0	11:51	20:31:23.0	41:04:50	300	90	3.0	#6 AGN Monitor	2	
0146-0155.FLAT	16	11:57	20:31:23.0	41:04:50	300	90	3.0	#6 AGN Monitor	2	
0156-0165.DARK	900	15:21	20:31:23.0	41:04:50	300	90	3.0	#6 AGN Monitor	4	
0166-0174.DARK	900	17:39	20:31:23.0	41:04:50	300	90	3.0	#6 AGN Monitor	2	

UT Date 2004-05-25 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	1:15	10:17:42.8	+31:30:57	300	90	3.0	#6 AGN Monitor	4	
0002.DARK	900	1:30	10:32:53.3	+31:31:00	300	90	3.0	#6 AGN Monitor	4	
0003.DARK	900	1:45	10:48:03.1	+31:31:02	300	90	3.0	#6 AGN Monitor	4	
0004.DARK	900	2:00	11:03:12.9	+31:31:05	300	90	3.0	#6 AGN Monitor	4	
0005.DARK	900	2:15	11:18:19.4	+31:31:06	300	90	3.0	#6 AGN Monitor	4	
0006.DARK	900	2:30	11:33:29.0	+31:31:08	300	90	3.0	#6 AGN Monitor	4	
0007.DARK	900	2:45	11:48:38.5	+31:31:09	300	90	3.0	#6 AGN Monitor	4	
0008-0010.DARK	900	3:31	12:34:07.8	+31:31:10	300	90	3.0	#6 AGN Monitor	4	
0011-0020.BIAS	0	4:03	12:51:27.1	+31:31:10	300	90	3.0	#6 AGN Monitor	4	
0021-0030.FLAT	6	4:06	12:54:13.0	+31:31:10	300	90	3.0	#6 AGN Monitor	4	
0031.BIAS	0	4:06	12:54:51.3	+31:31:10	300	90	3.0	#6 AGN Monitor	2	clouds overhead
0032-0040.BIAS	0	4:08	12:56:46.2	+31:31:10	300	90	3.0	#6 AGN Monitor	2	
0041-0050.FLAT	12	4:13	13:01:23.0	+31:31:10	300	90	3.0	#6 AGN Monitor	2	
0051.Feige92	90	4:49	14:09:41.0	50:21:07	300	90	3.0	#56 Spectropho	2	through clouds
0052.Feige92	90	4:51	14:09:41.0	50:21:07	300	90	3.0	#56 Spectropho	2	need more counts
0053.COMP	12	4:53	14:09:41.0	50:21:07	300	90	3.0	#56 Spectropho	2	
0054.Feige92	180	4:54	14:09:41.0	50:21:07	300	90	3.0	#56 Spectropho	2	blah!
0055.COMP	12	4:58	14:09:41.0	50:21:07	300	90	3.0	#56 Spectropho	2	
0056-0065.DARK	900	11:54	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	

UT Date 2004-05-26 Observers M CalkinsColl. Focus 1020 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.DARK	900	1:41	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	4	
0011-0020.BIAS	0	2:12	11:04:27.4	+38:12:32	300	90	3.0	#56 Spectropho	4	
0021-0030.FLAT	6	2:15	11:04:27.4	+38:12:32	300	90	3.0	#56 Spectropho	4	
0031-0040.BIAS	0	2:22	11:04:27.4	+38:12:32	300	90	3.0	#56 Spectropho	2	
0041-0050.FLAT	12	2:29	11:04:27.4	+38:12:32	300	90	3.0	#56 Spectropho	2	

UT Date 2004-05-27 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	0:44	11:04:27.4	+38:12:32	300	90	3.0	#56 Spectropho	4	
0011-0020.BIAS	0	1:36	11:04:27.4	+38:12:32	300	90	3.0	#56 Spectropho	4	
0021-0030.FLAT	6	1:39	11:04:27.4	+38:12:32	300	90	3.0	#56 Spectropho	4	
0031-0040.BIAS	0	1:51	11:04:27.4	+38:12:32	300	90	3.0	#56 Spectropho	2	
0041.FLAT	12	1:52	11:04:27.4	+38:12:32	300	90	3.0	#56 Spectropho	2	clouds...
0042-0050.FLAT	12	1:55	11:04:27.4	+38:12:32	300	90	3.0	#56 Spectropho	2	
0051.Feige66	70	5:20	12:34:54.7	25:20:31	300	90	3.0	#56 Spectropho	2	
0052.Feige66	70	5:21	12:34:54.7	25:20:31	300	90	3.0	#56 Spectropho	2	
0053.COMP	12	5:23	12:34:54.7	25:20:31	300	90	3.0	#56 Spectropho	2	more clouds...
0054.MRK421	360	6:18	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0055.MRK421	360	6:24	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0056.MRK421	360	6:30	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0057.COMP	12	6:36	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0058.sn2004ao	1200	7:56	17:28:09.3	+07:24:55	300	-10	3.0	#2 SN Observat	2	clouds in the way, tilt=592
0059.COMP	12	8:18	17:28:09.3	+07:24:55	300	-10	3.0	#2 SN Observat	2	wait out more clouds...
0060.BDp332642	60	9:07	15:50:03.0	33:05:49	300	84	3.0	#56 Spectropho	2	
0061.COMP	12	9:08	15:50:03.0	33:05:49	300	84	3.0	#56 Spectropho	2	
0062.BDp262606	20	9:11	14:49:02.3	+25:42:09	300	70	3.0	#56 Spectropho	2	
0063.COMP	12	9:11	14:49:02.3	+25:42:09	300	70	3.0	#56 Spectropho	2	
0064.sn2004ao	1200	9:15	17:28:09.3	+07:24:55	300	21	3.0	#2 SN Observat	2	

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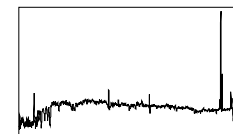
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0065.COMP	12	9:35	17:28:09.3	+07:24:55	300	21	3.0	#2 SN Observat	2	
0066-0075.FLAT	12	9:41	17:28:09.3	+07:24:55	300	90	3.0	#2 SN Observat	2	
0076.153100-02480	780	9:54	15:33:37.4	-02:57:58	300	90	3.0	#84f Updated Z	2	Ha, tilt=612
0077.COMP	12	10:07	15:33:37.4	-02:57:58	300	90	3.0	#84f Updated Z	2	
0078.153112+08360	900	10:09	15:33:36.8	+08:25:06	300	90	3.0	#84f Updated Z	2	
0079.COMP	12	10:25	15:33:36.8	+08:25:06	300	90	3.0	#84f Updated Z	2	
0080.172012+08240	480	10:28	17:22:32.6	+08:21:22	300	90	3.0	#84f Updated Z	2	
0081.COMP	12	10:36	17:22:32.6	+08:21:22	300	90	3.0	#84f Updated Z	2	
0082.181000+25350	900	10:39	18:12:07.0	+25:35:44	300	90	3.0	#84f Updated Z	2	
0083.COMP	12	10:54	18:12:07.0	+25:35:44	300	90	3.0	#84f Updated Z	2	
0084.210024+36300	90	10:57	21:02:18.7	+36:41:42	300	90	3.0	#84f Updated Z	2	not a gal
0085.COMP	12	11:00	21:02:18.7	+36:41:42	300	90	3.0	#84f Updated Z	2	
0086.BDp284211	45	11:31	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0087.COMP	12	11:33	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0088-0097.BIAS	0	11:38	21:48:57.1	28:37:48	300	90	3.0	#84f Updated Z	2	
0098-0107.FLAT	12	11:42	21:48:57.1	28:37:48	300	90	3.0	#84f Updated Z	2	
0108-0117.DARK	900	14:05	21:48:57.1	28:37:48	300	90	3.0	#84f Updated Z	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	22:45	21:48:57.1	28:37:48	300	90	3.0	#84f Updated Z	4	
0002-0010.DARK	900	1:21	06:16:58	-10:00:00	300	90	3.0	#56 Spectropho	4	
0011-0020.BIAS	0	2:41	06:16:58	-10:00:00	300	90	3.0	#56 Spectropho	2	
0021.FLAT	12	2:42	06:16:58	-10:00:00	300	90	3.0	#56 Spectropho	2	tilt=592
0022-0030.FLAT	12	2:46	06:16:58	-10:00:00	300	90	3.0	#56 Spectropho	2	
0031.Feige34	60	3:29	10:36:41.2	43:21:50	300	109	3.0	#56 Spectropho	2	
0032.Feige34	60	3:30	10:36:41.2	43:21:50	300	109	3.0	#56 Spectropho	2	
0033.COMP	12	3:32	10:36:41.2	43:21:50	300	109	3.0	#56 Spectropho	2	
0034.sn2004at	1200	3:40	10:58:45.1	+59:29:12	300	-40	3.0	#2 SN Observat	2	
0035.sn2004at	1200	4:00	10:58:45.1	+59:29:12	300	-40	3.0	#2 SN Observat	2	
0036.COMP	12	4:20	10:58:45.1	+59:29:12	300	-40	3.0	#2 SN Observat	2	
0037.sn2004bg	1200	4:26	11:21:01.5	+21:20:23	300	45	3.0	#2 SN Observat	2	
0038.COMP	12	4:48	11:21:01.5	+21:20:23	300	45	3.0	#2 SN Observat	2	
0039.sn2004bd	1200	4:51	11:39:42.1	+31:54:31	300	95	3.0	#2 SN Observat	2	
0040.COMP	12	5:11	11:39:42.1	+31:54:31	300	95	3.0	#2 SN Observat	2	
0041.BDp262606	30	5:18	14:49:02.3	+25:42:09	300	-45	3.0	#56 Spectropho	2	
0042.BDp262606	30	5:19	14:49:02.3	+25:42:09	300	-45	3.0	#56 Spectropho	2	
0043.COMP	12	5:20	14:49:02.3	+25:42:09	300	-45	3.0	#56 Spectropho	2	
0044.FLAT	12	5:24	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	combo setup
0045-0053.FLAT	12	5:28	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0054.BDp332642	70	5:31	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0055.BDp332642	70	5:32	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0056.COMP	12	5:34	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0057.TXCVn	10	5:35	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0058.TXCVn	30	5:36	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0059.COMP	12	5:37	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0060.RWHya	2	5:39	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0061.RWHya	10	5:40	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0062.RWHya	20	5:40	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0063.COMP	12	5:41	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0064.TCrB	15	5:42	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0065.TCrB	60	5:43	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0066.COMP	12	5:44	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0067.AGDra	2	5:49	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0068.AGDra	15	5:49	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0069.AGDra	45	5:50	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0070.COMP	12	5:51	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0071.DracoC1	1200	5:52	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0072.COMP	12	6:13	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0073.N4051	150	6:15	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0074.N4051	150	6:18	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0075.COMP	12	6:21	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0076.N4151	30	6:23	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0077.N4151	30	6:23	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0078.COMP	12	6:25	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0079.M87	180	6:27	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0080.M87	180	6:30	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0081.COMP	12	6:34	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0082.MRK279	180	6:39	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0083.MRK279	180	6:42	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0084.COMP	12	6:46	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0085.N5548	240	6:49	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0086.N5548	240	6:53	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0087.COMP	12	6:58	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0088.c0176	900	7:00	15:11:1.8	07:41:21	300	90	3.0	#64 Cluster In	2	
0089.COMP	12	7:15	15:11:1.8	07:41:21	300	90	3.0	#64 Cluster In	2	
0090.c0177	960	7:18	15:13:27.2	07:45:02	300	90	3.0	#64 Cluster In	2	row=68
0091.COMP	12	7:34	15:13:27.2	07:45:02	300	90	3.0	#64 Cluster In	2	
0092.c0178	780	7:35	15:12:24.2	07:53:44	300	90	3.0	#64 Cluster In	2	
0093.COMP	12	7:49	15:12:24.2	07:53:44	300	90	3.0	#64 Cluster In	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0094.c0179	660	7:50	15:12:39.9	07:58:20	300	90	3.0	#64 Cluster In	2	
0095.COMP	12	8:01	15:12:39.9	07:58:20	300	90	3.0	#64 Cluster In	2	
0096.c0213	300	8:02	16:02:9.3	15:42:40	300	90	3.0	#64 Cluster In	2	
0097.COMP	12	8:08	16:02:9.3	15:42:40	300	90	3.0	#64 Cluster In	2	
0098.c0214	720	8:08	16:05:39.9	15:46:03	300	90	3.0	#64 Cluster In	2	
0099.COMP	12	8:21	16:05:39.9	15:46:03	300	90	3.0	#64 Cluster In	2	
0100.c0219	600	8:23	16:02:11.8	15:55:06	300	100	3.0	#64 Cluster In	2	row=73
0101.COMP	12	8:33	16:02:11.8	15:55:06	300	100	3.0	#64 Cluster In	2	
0102.c0220	780	8:35	16:02:33.7	15:55:26	300	105	3.0	#64 Cluster In	2	
0103.COMP	12	8:49	16:02:33.7	15:55:26	300	105	3.0	#64 Cluster In	2	
0104.c0221	780	8:50	16:02:10.5	15:58:16	300	105	3.0	#64 Cluster In	2	
0105.COMP	12	9:04	16:02:10.5	15:58:16	300	105	3.0	#64 Cluster In	2	
0106.c0222	600	9:06	16:02:23.3	15:59:47	300	90	3.0	#64 Cluster In	2	
0107.COMP	12	9:17	16:02:23.3	15:59:47	300	90	3.0	#64 Cluster In	2	
0108.c0223	660	9:18	16:05:48.2	15:59:50	300	90	3.0	#64 Cluster In	2	
0109.COMP	12	9:29	16:05:48.2	15:59:50	300	90	3.0	#64 Cluster In	2	
0110.c0224	600	9:30	16:01:39.2	16:00:52	300	90	3.0	#64 Cluster In	2	
0111.COMP	12	9:41	16:01:39.2	16:00:52	300	90	3.0	#64 Cluster In	2	
0112.RSOph	10	9:42	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0113.RSOph	60	9:43	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0114.RSOph	150	9:44	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0115.COMP	12	9:47	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0116.153400p39570_b	900	9:52	15:35:54.0	39:48:50	300	110	3.0	#113 Interacti	2	
0117.153400p39570_b	900	10:08	15:35:54.0	39:48:50	300	110	3.0	#113 Interacti	2	
0118.COMP	12	10:23	15:35:54.0	39:48:50	300	110	3.0	#113 Interacti	2	
0119.162012p39030_d	1050	10:28	16:21:57.1	38:56:42	300	110	3.0	#113 Interacti	2	
0120.162012p39030_d	1050	10:46	16:21:57.1	38:56:42	300	110	3.0	#113 Interacti	2	
0121.COMP	12	11:04	16:21:57.1	38:56:42	300	110	3.0	#113 Interacti	2	
0122.3C390.3	300	11:09	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0123.3C390.3	300	11:17	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0124.COMP	12	11:22	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0125.BDp284211	60	11:24	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0126.COMP	12	11:26	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0127-0136.BIAS	0	11:32	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0137-0146.FLAT	12	11:38	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0147-0156.DARK	900	13:57	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	