

UT Date 2004-04-10 Observers FalcoColl. Focus 1010 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	23:43	05:47:58.8	+31:29:38	300	90	3.0	Combo	2	
0002.DARK	900	23:58	06:03:13.1	+31:29:44	300	90	3.0	Combo	2	
0003.DARK	900	0:13	06:18:27.8	+31:29:49	300	90	3.0	Combo	2	
0004.DARK	900	0:28	06:33:43.0	+31:29:54	300	90	3.0	Combo	2	
0005.DARK	900	0:43	06:49:00.5	+31:29:59	300	90	3.0	Combo	2	
0006.DARK	900	1:17	07:22:11.0	+31:30:11	300	90	3.0	Combo	4	
0007.DARK	900	1:32	07:37:20.6	+31:30:16	300	90	3.0	Combo	4	
0008.DARK	900	1:47	07:52:30.4	+31:30:21	300	90	3.0	Combo	4	
0009.DARK	900	2:02	08:07:40.3	+31:30:26	300	90	3.0	Combo	4	
0010.DARK	900	2:17	08:22:47.4	+31:30:31	300	90	3.0	Combo	4	
0011-0020.BIAS	0	5:04	10:55:10.2	+31:31:08	300	90	3.0	Combo	4	
0021-0030.BIAS	0	5:07	10:58:04.5	+31:31:09	300	90	3.0	Combo	2	
0031.COMP	5	5:09	10:59:55.5	+31:31:09	300	90	3.0	#56 Spectropho	2	
0043-0052.FLAT	12	5:36	11:27:38.1	+31:31:13	300	90	3.0	Combo	2	
0053-0062.FLAT	6	5:39	11:30:45.6	+31:31:13	300	90	3.0	Combo	4	
0063.COMP	5	9:20	14:48:57.4	+25:41:25	300	30	3.0	#56 Spectropho	2	
0064.BDp262606	10	9:21	14:48:57.4	+25:41:25	300	30	3.0	#56 Spectropho	2	
0065.BDp262606	10	9:22	14:48:58.2	+25:41:49	300	30	3.0	#56 Spectropho	2	
0066.BDp262606	10	9:25	14:48:58.9	+25:42:08	300	30	3.0	#56 Spectropho	2	
0067.BDp262606	60	9:25	14:48:58.9	+25:42:08	300	30	3.0	#56 Spectropho	2	

UT Date 2004-04-10 Observers FalcoColl. Focus 1010 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>Bir</i>	<i>Comments</i>
0068.Feige34	210	9:50	10:36:41.2	43:21:50	300	74	3.0	#56 Spectropho	2	
0069.COMP	5	9:55	10:36:41.2	43:21:50	300	74	3.0	#56 Spectropho	2	
0070.COMP	5	10:08	13:49:15.4	+35:15:12	300	90	3.0	#2 SN Observat	2	
0071.sn2004bf	1200	10:09	13:49:15.4	+35:15:12	300	90	3.0	#2 SN Observat	2	
0072.COMP	5	10:48	13:31:25.5	+77:50:42	300	110	3.0	#84 UZC Redshi	2	
0073.UZC133048+78060	1200	10:49	13:31:25.5	+77:50:42	300	110	3.0	#84 UZC Redshi	2	
0074.COMP	5	11:14	12:56:24.5	+79:01:43	300	110	3.0	#84 UZC Redshi	2	
0075.UZC125506+79180	1200	11:16	12:56:24.5	+79:01:43	300	110	3.0	#84 UZC Redshi	2	

UT Date 2004-04-11 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	3:31	09:25:58.6	+31:30:49	300	90	3.0	#57 Velocity S	4	
0011-0013.FLAT	8	3:32	09:27:02.4	+31:30:49	300	90	3.0	#57 Velocity S	4	
0014-0020.FLAT	8	3:34	09:29:22.7	+31:30:50	300	90	3.0	#57 Velocity S	4	
0021-0028.BIAS	0	3:36	09:31:09.0	+31:30:50	300	90	3.0	#57 Velocity S	2	
0029-0030.BIAS	0	3:37	09:31:34.6	+31:30:51	300	90	3.0	#57 Velocity S	2	
0031-0035.FLAT	16	3:39	09:34:36.9	+31:30:51	300	90	3.0	#57 Velocity S	2	
0036-0040.FLAT	16	3:42	09:37:31.6	+31:30:52	300	90	3.0	#57 Velocity S	2	
0041.DARK	900	7:06	13:16:55.1	+31:31:17	300	90	3.0	#57 Velocity S	4	
0042.DARK	900	7:21	13:32:09.2	+31:31:16	300	90	3.0	#57 Velocity S	4	
0043.DARK	900	7:37	13:47:20.1	+31:31:15	300	90	3.0	#57 Velocity S	4	
0044.DARK	900	7:52	14:02:34.3	+31:31:14	300	90	3.0	#57 Velocity S	4	
0045.DARK	900	8:07	14:17:45.4	+31:31:12	300	90	3.0	#57 Velocity S	4	
0046.DARK	900	8:22	14:32:59.8	+31:31:10	300	90	3.0	#57 Velocity S	4	
0047.N4853	240	8:58	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	4	clearing at 2 after rain storm
0048.COMP	5	9:03	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	4	
0049.sn2004bg	1200	9:04	11:21:01.5	+21:20:23	300	68	3.0	#2 SN Observat	2	
0050.COMP	10	9:25	11:21:01.5	+21:20:23	300	68	3.0	#2 SN Observat	2	
0051.BDp262606	60	9:28	14:49:02.3	+25:42:09	300	49	3.0	#56 Spectropho	2	
0052.BDp262606	60	9:29	14:49:02.3	+25:42:09	300	49	3.0	#56 Spectropho	2	
0053.BDp262606	60	9:30	14:49:02.3	+25:42:09	300	49	3.0	#56 Spectropho	2	

UT Date 2004-04-11 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0054.COMP	10	9:32	14:49:02.3	+25:42:09	300	49	3.0	#56 Spectropho	2	
0055.sn2004bf	600	9:34	13:49:15.4	+35:15:12	300	49	3.0	#2 SN Observat	2	stopped
0056.COMP	10	9:45	13:49:15.4	+35:15:12	300	49	3.0	#2 SN Observat	2	
0057.N5548	300	9:46	14:17:59.6	+25:08:12	300	67	3.0	#6 AGN Monitor	4	
0058.N5548	300	9:51	14:17:59.6	+25:08:12	300	67	3.0	#6 AGN Monitor	4	
0059.COMP	5	9:56	14:17:59.6	+25:08:12	300	67	3.0	#6 AGN Monitor	4	
0060.cairnsk5_137	900	10:03	12:49:7.6	27:47:50	300	90	3.0	#64 Cluster In	4	
0061.COMP	5	10:18	12:49:7.6	27:47:50	300	90	3.0	#64 Cluster In	4	
0062.cairnsk5_139	900	10:19	12:40:25.7	26:43:52	300	90	3.0	#64 Cluster In	4	
0063.COMP	5	10:35	12:40:25.7	26:43:52	300	90	3.0	#64 Cluster In	4	
0064.cairnsk5_148	900	10:36	13:25:33.2	27:22:46	300	90	3.0	#64 Cluster In	4	tcs crash
0065.COMP	5	10:59	13:25:33.2	27:22:46	300	90	3.0	#64 Cluster In	4	
0066.BDp332642	120	11:03	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0067.BDp332642	120	11:05	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0068.COMP	10	11:07	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0069.TCrB	15	11:10	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0070.TCrB	60	11:10	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0071.TCrB	90	11:12	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0072.COMP	5	11:14	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0073.AGDra	3	11:17	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	

UT Date 2004-04-11 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0074.AGDra	10	11:17	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0075.AGDra	30	11:18	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0076.AGDra	60	11:19	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0077.COMP	5	11:20	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0078.150624+54560	720	11:22	15:07:51.8	+54:45:10	300	90	3.0	#84 Updated_Zw	4	
0079.COMP	5	11:35	15:07:51.8	+54:45:10	300	90	3.0	#84 Updated_Zw	4	
0080.151218+75340	240	11:37	15:11:40.8	+75:23:10	300	85	3.0	#84 Updated_Zw	4	
0081.COMP	5	11:41	15:11:40.8	+75:23:10	300	85	3.0	#84 Updated_Zw	4	
0082.151530+69280	240	11:43	15:15:50.7	+69:16:23	300	90	3.0	#84 Updated_Zw	4	
0083.COMP	5	11:47	15:15:50.7	+69:16:23	300	90	3.0	#84 Updated_Zw	4	
0084.153500+82380	180	11:49	15:30:55.8	+82:27:21	300	90	3.0	#84 Updated_Zw	4	
0085.COMP	5	11:52	15:30:55.8	+82:27:21	300	90	3.0	#84 Updated_Zw	4	
0086.154806+69370	240	11:53	15:48:08.2	+69:27:32	300	90	3.0	#84 Updated_Zw	4	
0087.COMP	5	11:58	15:48:08.2	+69:27:32	300	90	3.0	#84 Updated_Zw	4	
0088.161348+63230	240	11:59	16:14:22.7	+63:15:37	300	90	3.0	#84 Updated_Zw	4	
0089.COMP	5	12:04	16:14:22.7	+63:15:37	300	90	3.0	#84 Updated_Zw	4	
0090.161500+81260	210	12:05	16:11:17.2	+81:18:30	300	90	3.0	#84 Updated_Zw	4	
0091.COMP	5	12:09	16:11:17.2	+81:18:30	300	90	3.0	#84 Updated_Zw	4	
0092-0101.BIAS	0	12:12	18:00:00	32:00:00	300	90	3.0	#64 Cluster In	4	
0102-0111.FLAT	8	12:16	18:00:00	32:00:00	300	90	3.0	#64 Cluster In	4	

UT Date 2004-04-11 Observers P BerlindColl. Focus 990 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>
0112-0121.BIAS	0	12:18	18:00:00	32:00:00	300	90	3.0	#64 Cluster In	2	
0122-0131.FLAT	16	12:23	18:00:00	32:00:00	300	90	3.0	#64 Cluster In	2	
0132-0141.DARK	1200	15:29	18:00:00	32:00:00	300	90	3.0	#64 Cluster In	2	

UT Date 2004-04-12 Observers HuchraColl. Focus 990 Grating/Grism 300

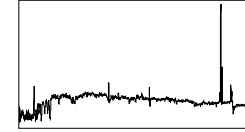
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0058.DARK	900	22:50	23:27:39.8	+31:28:45	300	90	3.0	#64 Cluster In	4	
0059.DARK	900	23:05	05:18:39.9	+31:29:29	300	90	3.0	#64 Cluster In	4	
0060.DARK	900	23:21	05:33:50.9	+31:29:34	300	90	3.0	#64 Cluster In	4	
0061.DARK	900	23:36	05:49:04.2	+31:29:39	300	90	3.0	#64 Cluster In	4	
0062.DARK	900	23:51	06:04:14.8	+31:29:44	300	90	3.0	#64 Cluster In	4	
0063.DARK	900	0:06	06:19:28.8	+31:29:49	300	90	3.0	#64 Cluster In	4	
0064.DARK	900	0:21	06:34:42.2	+31:29:54	300	90	3.0	#64 Cluster In	4	
0065.DARK	900	0:36	06:49:55.7	+31:30:00	300	90	3.0	#64 Cluster In	4	
0066.DARK	900	0:52	07:05:06.0	+31:30:05	300	90	3.0	#64 Cluster In	4	
0067.DARK	900	1:07	07:20:20.3	+31:30:10	300	90	3.0	#64 Cluster In	4	
0068.DARK	900	1:22	07:35:33.7	+31:30:15	300	90	3.0	#64 Cluster In	2	
0069.DARK	900	1:37	07:50:48.9	+31:30:20	300	90	3.0	#64 Cluster In	2	
0070.DARK	900	1:53	08:06:06.9	+31:30:25	300	90	3.0	#64 Cluster In	2	
0071.DARK	900	2:08	08:21:25.6	+31:30:30	300	90	3.0	#64 Cluster In	2	
0072.DARK	900	2:23	08:36:44.1	+31:30:35	300	90	3.0	#64 Cluster In	2	
0073.DARK	900	2:38	08:51:59.0	+31:30:40	300	90	3.0	#64 Cluster In	2	
0074-0083.BIAS	0	2:58	08:56:52.1	+31:30:41	300	90	3.0	#64 Cluster In	4	
0084-0088.FLAT	8	3:00	08:58:34.5	+31:30:41	300	90	3.0	#64 Cluster In	4	
0089-0093.FLAT	8	3:01	09:00:16.4	+31:30:42	300	90	3.0	#64 Cluster In	4	
0094-0099.BIAS	0	3:03	09:01:36.9	+31:30:42	300	90	3.0	#64 Cluster In	2	

UT Date 2004-04-12 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0100-0103.BIAS	0	3:04	09:02:28.2	+31:30:43	300	90	3.0	#64 Cluster In	2	
0104-0113.FLAT	16	3:09	09:02:53.1	+31:30:43	300	90	3.0	#64 Cluster In	2	
0114.BXMon	15	3:21	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	4	
0115.BXMon	180	3:22	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	4	
0116.COMP	5	3:26	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	4	
0117.2MJ05034725+2712298	1200	3:30	05:03:47.2	+27:12:29	300	90	3.0	#68 2MASS Reds	4	
0118.2MJ05034725+2712298	600	3:51	05:03:47.2	+27:12:29	300	90	3.0	#68 2MASS Reds	4	
0119.COMP	5	4:02	05:03:47.2	+27:12:29	300	90	3.0	#68 2MASS Reds	4	
0120.2MJ081218.2+165849	600	4:11	08:12:18.2	+16:58:49	300	90	3.0	#68 2MASS Reds	4	
0121.COMP	5	4:21	08:12:18.2	+16:58:49	300	90	3.0	#68 2MASS Reds	4	
0122.2MJ080331.1+042545	600	4:23	08:03:31.1	+04:25:45	300	90	3.0	#68 2MASS Reds	4	
0123.COMP	5	4:34	08:03:31.1	+04:25:45	300	90	3.0	#68 2MASS Reds	4	
0124.2M083346.7+061237	480	4:45	8:33:46.7	+06:12:37	300	90	3.0	#68 2MASS Reds	4	
0125.COMP	5	4:53	8:33:46.7	+06:12:37	300	90	3.0	#68 2MASS Reds	4	
0126.HD84937	20	4:57	09:48:56.1	13:44:39	300	39	3.0	#56 Spectropho	4	
0127.HD84937	20	4:58	09:48:56.1	13:44:39	300	39	3.0	#56 Spectropho	4	
0128.HD84937	20	4:58	09:48:56.1	13:44:39	300	39	3.0	#56 Spectropho	4	
0129.COMP	5	4:59	09:48:56.1	13:44:39	300	39	3.0	#56 Spectropho	4	
0130.HD84937	20	5:00	09:48:56.1	13:44:39	300	39	3.0	#56 Spectropho	2	
0131.HD84937	20	5:01	09:48:56.1	13:44:39	300	39	3.0	#56 Spectropho	2	

UT Date 2004-04-12 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0132.HD84937	20	5:01	09:48:56.1	13:44:39	300	39	3.0	#56 Spectropho	2	
0133.COMP	5	5:02	09:48:56.1	13:44:39	300	39	3.0	#56 Spectropho	2	
0134.Feige34	120	5:07	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0135.COMP	5	5:10	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0136.Feige34	60	5:11	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0137.COMP	5	5:12	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0138.sn2004bc	1200	5:30	10:59:31.4	+75:11:28	300	-8	3.0	#2 SN Observat	2	
0139.COMP	5	5:51	10:59:31.4	+75:11:28	300	-8	3.0	#2 SN Observat	2	
0140.sn2004bc	1200	5:54	10:59:31.4	+75:11:28	300	-8	3.0	#2 SN Observat	2	
0141.COMP	5	6:14	10:59:31.4	+75:11:28	300	-8	3.0	#2 SN Observat	2	
0142.sn2004bf	1200	6:21	13:49:15.4	+35:15:12	300	90	3.0	#2 SN Observat	2	
0143.COMP	5	6:42	13:49:15.4	+35:15:12	300	90	3.0	#2 SN Observat	2	
0144.TXCVn	30	6:45	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	4	
0145.TXCVn	30	6:45	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	4	
0146.COMP	5	6:46	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	4	
0147.MRK421	300	6:48	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0148.MRK421	300	6:54	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0149.COMP	5	6:59	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0150.N4051	150	7:01	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0151.N4051	150	7:03	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	

UT Date 2004-04-12 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0152.N4051	150	7:06	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0153.COMP	5	7:09	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0154.2M1432074p332034	600	7:12	14:32:07.4	+33:20:34	300	90	3.0	#146 SIRTf	4	
0155.COMP	5	7:22	14:32:07.4	+33:20:34	300	90	3.0	#146 SIRTf	4	
0156.2M1432062p323127	600	7:25	14:32:06.2	+32:31:27	300	90	3.0	#146 SIRTf	4	
0157.COMP	5	7:35	14:32:06.2	+32:31:27	300	90	3.0	#146 SIRTf	4	
0158.2M1432170p333526	900	7:36	14:32:17.0	+33:35:26	300	90	3.0	#146 SIRTf	4	
0159.COMP	5	7:55	14:32:17.0	+33:35:26	300	90	3.0	#146 SIRTf	4	
0160.2M1432248p334237	1200	7:56	14:32:24.8	+33:42:37	300	90	3.0	#146 SIRTf	4	
0161.COMP	5	8:17	14:32:24.8	+33:42:37	300	90	3.0	#146 SIRTf	4	
0162.2M1432349p355750	600	8:18	14:32:34.9	+35:57:50	300	90	3.0	#146 SIRTf	4	
0163.COMP	5	8:29	14:32:34.9	+35:57:50	300	90	3.0	#146 SIRTf	4	
0164.2M1433031p331726	600	8:31	14:33:03.1	+33:17:26	300	90	3.0	#146 SIRTf	4	
0165.COMP	5	8:41	14:33:03.1	+33:17:26	300	90	3.0	#146 SIRTf	4	
0166.2M1433422p345907	480	8:43	14:33:42.2	+34:59:07	300	90	3.0	#146 SIRTf	4	
0167.COMP	5	8:51	14:33:42.2	+34:59:07	300	90	3.0	#146 SIRTf	4	
0168.2M1436412p345823	600	8:53	14:36:41.2	+34:58:23	300	90	3.0	#146 SIRTf	4	
0169.COMP	5	9:04	14:36:41.2	+34:58:23	300	90	3.0	#146 SIRTf	4	
0170.2M1437070p341850	780	9:06	14:37:07.0	+34:18:50	300	90	3.0	#146 SIRTf	4	
0171.COMP	5	9:19	14:37:07.0	+34:18:50	300	90	3.0	#146 SIRTf	4	

UT Date 2004-04-12 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0172.2M1439118p334706	480	9:20	14:39:11.8	+33:47:06	300	90	3.0	#146 SIRTf	4	
0173.COMP	5	9:29	14:39:11.8	+33:47:06	300	90	3.0	#146 SIRTf	4	
0174.2M1438430p354919	480	9:36	14:38:43.0	+35:49:19	300	90	3.0	#146 SIRTf	4	
0175.COMP	5	9:45	14:38:43.0	+35:49:19	300	90	3.0	#146 SIRTf	4	
0176.2M1440130p340956	300	9:46	14:40:13.0	+34:09:56	300	90	3.0	#146 SIRTf	4	
0177.COMP	5	9:51	14:40:13.0	+34:09:56	300	90	3.0	#146 SIRTf	4	
0178.2M1439512p344707	420	9:53	14:39:51.2	+34:47:07	300	90	3.0	#146 SIRTf	4	
0179.COMP	5	10:00	14:39:51.2	+34:47:07	300	90	3.0	#146 SIRTf	4	
0180.2M1440185p324604	480	10:02	14:40:18.5	+32:46:04	300	90	3.0	#146 SIRTf	4	
0181.COMP	5	10:12	14:40:18.5	+32:46:04	300	90	3.0	#146 SIRTf	4	
0182.2M1440397p352520	540	10:14	14:40:39.7	+35:25:20	300	90	3.0	#146 SIRTf	4	
0183.COMP	5	10:23	14:40:39.7	+35:25:20	300	90	3.0	#146 SIRTf	4	
0184.2M1441425p331809	540	10:25	14:41:42.5	+33:18:09	300	90	3.0	#146 SIRTf	4	
0185.COMP	5	10:43	14:41:42.5	+33:18:09	300	90	3.0	#146 SIRTf	4	
0186.2M172359.1+081501	300	10:47	17:23:59.1	+08:15:01	300	90	3.0	#68 2MASS Reds	4	
0187.COMP	5	10:52	17:23:59.1	+08:15:01	300	90	3.0	#68 2MASS Reds	4	
0188.2M17354023-0702097	900	10:57	17:35:40.2	-07:02:09	300	50	3.0	#68 2MASS Reds	4	
0189.COMP	5	11:13	17:35:40.2	-07:02:09	300	50	3.0	#68 2MASS Reds	4	
0190.2M17354023-0702097	1200	11:14	17:35:40.2	-07:02:09	300	50	3.0	#68 2MASS Reds	4	
0191.COMP	5	11:35	17:35:40.2	-07:02:09	300	50	3.0	#68 2MASS Reds	4	

UT Date 2004-04-12 Observers HuchraColl. Focus 990 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>Bir</i>	<i>Comments</i>
0192.2M17425020-0943265	900	11:38	17:42:50.2	-09:43:26	300	90	3.0	#68 2MASS Reds	4	
0193.COMP	5	11:54	17:42:50.2	-09:43:26	300	90	3.0	#68 2MASS Reds	4	
0194.N5548	150	11:57	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0195.N5548	150	12:00	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0196.N5548	150	12:03	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0197.COMP	5	12:19	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0198-0207.BIAS	0	12:36	14:17:59.6	+25:08:12	300	90	3.0	#68 2MASS Reds	4	
0208-0217.FLAT	8	12:39	14:17:59.6	+25:08:12	300	90	3.0	#68 2MASS Reds	4	
0218-0227.BIAS	0	12:41	14:17:59.6	+25:08:12	300	90	3.0	#68 2MASS Reds	2	
0228-0237.FLAT	16	12:47	14:17:59.6	+25:08:12	300	90	3.0	#68 2MASS Reds	2	
0238-0247.DARK	900	15:21	14:17:59.6	+25:08:12	300	90	3.0	#68 2MASS Reds	4	
0248-0251.DARK	900	16:22	14:17:59.6	+25:08:12	300	90	3.0	#68 2MASS Reds	2	

UT Date 2004-04-13 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	0:55	06:57:16.8	+31:30:02	300	90	3.0	#68 2MASS Reds	4	
0011.FLAT	8	0:55	06:57:38.2	+31:30:02	300	90	3.0	#68 2MASS Reds	4	
0012-0020.FLAT	8	0:58	07:00:41.5	+31:30:03	300	90	3.0	#68 2MASS Reds	4	
0021-0030.BIAS	0	1:01	07:02:53.7	+31:30:04	300	90	3.0	#68 2MASS Reds	2	
0031.FLAT	16	1:01	07:03:31.7	+31:30:04	300	90	3.0	#68 2MASS Reds	2	
0032-0036.FLAT	16	1:04	07:06:26.4	+31:30:05	300	90	3.0	#68 2MASS Reds	2	
0037-0040.FLAT	16	1:06	07:08:50.6	+31:30:06	300	90	3.0	#68 2MASS Reds	2	
0041.COMP	5	2:23	08:26:04.0	+31:30:32	300	90	3.0	#68 2MASS Reds	2	
0042.Sky	300	2:25	08:27:04.0	+31:30:32	300	90	3.0	#68 2MASS Reds	2	
0043.N3227	150	2:37	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0044.N3227	150	2:39	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0045.COMP	5	2:43	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0058.MRK421	300	2:46	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0059.MRK421	300	2:52	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0060.COMP	5	2:57	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0061.2M04523985+5203046	900	3:03	04:52:39.8	+52:03:04	300	90	3.0	#68 2MASS Reds	4	
0062.2M04523985+5203046	900	3:20	04:52:39.8	+52:03:04	300	90	3.0	#68 2MASS Reds	4	
0063.COMP	5	3:35	04:52:39.8	+52:03:04	300	90	3.0	#68 2MASS Reds	4	
0064.2M04584955+5133076	1200	3:39	04:58:49.5	+51:33:07	300	90	3.0	#68 2MASS Reds	4	
0065.COMP	5	4:00	04:58:49.5	+51:33:07	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-13 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0066.2M04584955+5133076	900	4:00	04:58:49.5	+51:33:07	300	90	3.0	#68 2MASS Reds	4	
0067.COMP	5	4:16	04:58:49.5	+51:33:07	300	90	3.0	#68 2MASS Reds	4	
0068.HD84937	10	4:19	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0069.HD84937	10	4:19	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0070.HD84937	10	4:20	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0071.COMP	5	4:22	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0072.HD84937	20	4:23	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0073.HD84937	20	4:23	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0074.HD84937	20	4:24	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0075.COMP	5	4:27	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0076.Feige34	100	4:29	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0077.Feige34	100	4:31	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0078.COMP	5	4:33	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0079.sn2004bh	1200	4:39	09:40:56.4	27:46:46	300	90	3.0	#2 SN Observat	2	
0080.COMP	5	5:00	09:40:56.4	27:46:46	300	90	3.0	#2 SN Observat	2	
0081.sn2004be	1200	5:06	10:00:19.4	-24:48:13	300	20	3.0	#2 SN Observat	2	
0082.COMP	5	5:27	10:00:19.4	-24:48:13	300	20	3.0	#2 SN Observat	2	
0083.M87	180	5:33	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0084.M87	180	5:36	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0085.COMP	5	5:40	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	

UT Date 2004-04-13 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0086.N4486B	300	5:47	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0087.COMP	5	5:52	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0088.2M090421.5+412853	360	5:56	9:4:21.5	+41:28:53	300	90	3.0	#68 2MASS Reds	4	
0089.COMP	5	6:02	9:4:21.5	+41:28:53	300	90	3.0	#68 2MASS Reds	4	
0090.2M090058.5+474743	360	6:03	9:0:58.5	+47:47:43	300	90	3.0	#68 2MASS Reds	4	
0091.COMP	5	6:10	9:0:58.5	+47:47:43	300	90	3.0	#68 2MASS Reds	4	
0092.2M091303.6+690717	360	6:12	9:13:3.6	+69:7:17	300	90	3.0	#68 2MASS Reds	4	
0093.COMP	5	6:19	9:13:3.6	+69:7:17	300	90	3.0	#68 2MASS Reds	4	
0094.2M092500.4+492237	300	6:20	9:25:0.4	+49:22:37	300	90	3.0	#68 2MASS Reds	4	
0095.COMP	5	6:26	9:25:0.4	+49:22:37	300	90	3.0	#68 2MASS Reds	4	
0096.2M094715.8+534925	400	6:27	9:47:15.8	+53:49:25	300	90	3.0	#68 2MASS Reds	4	
0097.COMP	5	6:34	9:47:15.8	+53:49:25	300	90	3.0	#68 2MASS Reds	4	
0098.2M100104.9+594925	900	6:36	10:1:4.9	+59:49:25	300	90	3.0	#68 2MASS Reds	4	
0099.COMP	5	6:51	10:1:4.9	+59:49:25	300	90	3.0	#68 2MASS Reds	4	
0100.2M101420.7+493038	480	6:53	10:14:20.7	+49:30:38	300	90	3.0	#68 2MASS Reds	4	
0101.COMP	5	7:03	10:14:20.7	+49:30:38	300	90	3.0	#68 2MASS Reds	4	
0102.2M100253.2+544943	360	7:04	10:2:53.2	+54:49:43	300	90	3.0	#68 2MASS Reds	4	
0103.COMP	5	7:11	10:2:53.2	+54:49:43	300	90	3.0	#68 2MASS Reds	4	
0104.2M102259.9+703631	300	7:12	10:22:59.9	+70:36:31	300	90	3.0	#68 2MASS Reds	4	
0105.COMP	5	7:17	10:22:59.9	+70:36:31	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-13 Observers HuchraColl. Focus 990 Grating/Grism 300

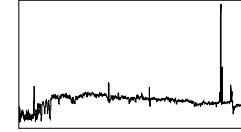
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0106.2M102658.0+735018	330	7:18	10:26:58.0	+73:50:18	300	90	3.0	#68 2MASS Reds	4	
0107.COMP	5	7:27	10:26:58.0	+73:50:18	300	90	3.0	#68 2MASS Reds	4	
0108.2M103548.4+720317	600	7:28	10:35:48.4	+72:3:17	300	90	3.0	#68 2MASS Reds	4	
0109.COMP	5	7:39	10:35:48.4	+72:3:17	300	90	3.0	#68 2MASS Reds	4	
0110.2M110809.0+720301	600	7:41	11:8:9.0	+72:3:1	300	90	3.0	#68 2MASS Reds	4	
0111.COMP	5	7:52	11:8:9.0	+72:3:1	300	90	3.0	#68 2MASS Reds	4	
0112.2M111254.8+812924	1200	8:02	11:12:54.8	+81:29:24	300	90	3.0	#68 2MASS Reds	4	
0113.COMP	5	8:23	11:12:54.8	+81:29:24	300	90	3.0	#68 2MASS Reds	4	
0114.2M124953.0+803619	420	8:39	12:49:53.0	+80:36:19	300	90	3.0	#68 2MASS Reds	4	
0115.COMP	5	8:46	12:49:53.0	+80:36:19	300	90	3.0	#68 2MASS Reds	4	
0116.2M125325.8+800308	300	8:48	12:53:25.8	+80:3:8	300	90	3.0	#68 2MASS Reds	4	
0117.COMP	5	8:56	12:53:25.8	+80:3:8	300	90	3.0	#68 2MASS Reds	4	
0118.2M125504.2+785851	400	8:58	12:55:4.2	+78:58:51	300	90	3.0	#68 2MASS Reds	4	
0119.COMP	5	9:06	12:55:4.2	+78:58:51	300	90	3.0	#68 2MASS Reds	4	
0120.2M125559.0+801611	540	9:07	12:55:59.0	+80:16:11	300	90	3.0	#68 2MASS Reds	4	
0121.COMP	5	9:18	12:55:59.0	+80:16:11	300	90	3.0	#68 2MASS Reds	4	
0122.2M125309.0+735729	360	9:20	12:53:9.0	+73:57:29	300	90	3.0	#68 2MASS Reds	4	
0123.COMP	5	9:27	12:53:9.0	+73:57:29	300	90	3.0	#68 2MASS Reds	4	
0124.2M130117.1+535139	400	9:30	13:1:17.1	+53:51:39	300	90	3.0	#68 2MASS Reds	4	
0125.COMP	5	9:37	13:1:17.1	+53:51:39	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-13 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0126.2M130118.0+470509	400	9:38	13:1:18.0	+47:5:9	300	90	3.0	#68 2MASS Reds	4	
0127.COMP	5	9:46	13:1:18.0	+47:5:9	300	90	3.0	#68 2MASS Reds	4	
0128.sn2004bf	1200	9:48	13:49:15.4	+35:15:12	300	90	3.0	#2 SN Observat	2	
0129.COMP	5	10:08	13:49:15.4	+35:15:12	300	90	3.0	#2 SN Observat	2	
0130.2M17385838-0450532	900	10:14	17:38:58.3	-04:50:53	300	90	3.0	#68 2MASS Reds	2	
0131.2M17385838-0450532	1200	10:33	17:38:58.3	-04:50:53	300	40	3.0	#68 2MASS Reds	2	
0132.COMP	5	10:55	17:38:58.3	-04:50:53	300	40	3.0	#68 2MASS Reds	2	
0133.2M17570819+0145553	720	10:59	17:57:08.1	+01:45:55	300	90	3.0	#68 2MASS Reds	4	
0134.COMP	5	11:12	17:57:08.1	+01:45:55	300	90	3.0	#68 2MASS Reds	4	
0135.2M17570553-0414033	1200	11:15	17:57:05.5	-04:14:03	300	90	3.0	#68 2MASS Reds	4	
0136.COMP	5	11:36	17:57:05.5	-04:14:03	300	90	3.0	#68 2MASS Reds	4	
0137.N5548	200	11:40	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0138.N5548	200	11:43	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0139.COMP	5	11:47	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0140.MRK279	180	11:49	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	
0141.MRK279	180	11:53	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	
0142.COMP	5	11:56	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	
0143.BDp332642	40	11:59	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0144.BDp332642	40	12:00	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0145.COMP	5	12:02	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	

UT Date 2004-04-13 Observers HuchraColl. Focus 990 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>Bir</i>	<i>Comments</i>
0146-0155.BIAS	0	12:07	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0156-0165.FLAT	8	12:11	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0166-0175.BIAS	0	12:13	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	
0176-0185.FLAT	16	12:19	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	
0186-0195.DARK	900	14:37	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0196-0205.DARK	900	17:10	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	
0206.BIAS	0	17:52	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	

UT Date 2004-04-14 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0007.BIAS	0	23:44	05:50:27.9	+31:29:39	300	90	3.0	#2 SN Observat	4	
0008-0015.BIAS	0	23:45	05:51:27.3	+31:29:40	300	90	3.0	#2 SN Observat	4	
0016-0021.FLAT	8	23:47	05:53:26.8	+31:29:40	300	90	3.0	#2 SN Observat	4	
0022-0025.FLAT	8	23:49	05:54:47.9	+31:29:41	300	90	3.0	#2 SN Observat	4	
0026-0032.BIAS	0	23:50	05:56:21.5	+31:29:41	300	90	3.0	#2 SN Observat	2	
0033-0035.BIAS	0	23:51	05:57:03.3	+31:29:42	300	90	3.0	#2 SN Observat	2	
0036-0039.FLAT	16	23:53	05:59:24.1	+31:29:42	300	90	3.0	#2 SN Observat	2	
0040-0044.FLAT	16	23:56	06:02:22.2	+31:29:43	300	90	3.0	#2 SN Observat	2	
0045.FLAT	16	23:57	06:02:56.7	+31:29:44	300	90	3.0	#2 SN Observat	2	
0046.DARK	900	0:09	06:30:00.5	+31:29:53	300	90	3.0	#2 SN Observat	2	
0047.DARK	900	0:24	06:45:14.8	+31:29:58	300	90	3.0	#2 SN Observat	2	
0048.DARK	900	0:39	07:00:32.8	+31:30:03	300	90	3.0	#2 SN Observat	2	
0049-0053.Sky	10	2:09	07:11:00.0	+31:30:00	300	90	3.0	#57 Velocity S	2	
0054.COMP	5	2:10	07:11:00.0	+31:30:00	300	90	3.0	#57 Velocity S	2	
0055.HD84937	10	2:24	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0056.HD84937	10	2:25	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0057.HD84937	10	2:25	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0058.COMP	5	2:26	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0059.HD84937	20	2:28	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0060.HD84937	20	2:29	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	

UT Date 2004-04-14 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0061.HD84937	20	2:29	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0062.COMP	5	2:30	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0063.Feige34	100	2:35	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0064.Feige34	100	2:37	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0065.COMP	5	2:39	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0066.Feige34	50	2:41	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0067.Feige34	50	2:42	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0068.COMP	5	2:46	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0069.MRK110	360	2:47	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	4	
0070.COMP	5	2:54	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	4	
0071.N3227	150	2:56	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0072.N3227	150	2:59	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0073.COMP	5	3:02	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0074.MRK421	240	3:03	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0075.MRK421	240	3:07	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0076.COMP	5	3:12	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0077.2M04525591+3438448	1200	3:25	04:52:55.9	+34:38:44	300	50	3.0	#68 2MASS Reds	4	
0078.COMP	5	3:45	04:52:55.9	+34:38:44	300	50	3.0	#68 2MASS Reds	4	
0079.2M05450906+1736351	900	3:48	05:45:09.0	+17:36:35	300	50	3.0	#68 2MASS Reds	4	
0080.COMP	5	4:04	05:45:09.0	+17:36:35	300	50	3.0	#68 2MASS Reds	4	

UT Date 2004-04-14 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0081.2M05450906+1736351	900	4:05	05:45:09.0	+17:36:35	300	50	3.0	#68 2MASS Reds	4	
0082.COMP	5	4:21	05:45:09.0	+17:36:35	300	50	3.0	#68 2MASS Reds	4	
0083.2M081609.5+114655	1200	4:25	8:16:9.5	+11:46:55	300	90	3.0	#68 2MASS Reds	4	
0084.COMP	5	4:45	8:16:9.5	+11:46:55	300	90	3.0	#68 2MASS Reds	4	
0085.2M082835.7+111730	900	4:47	8:28:35.7	+11:17:30	300	75	3.0	#68 2MASS Reds	4	
0086.COMP	5	5:03	8:28:35.7	+11:17:30	300	75	3.0	#68 2MASS Reds	4	
0087.2M082110.4+354733	720	5:16	8:21:10.4	+35:47:33	300	90	3.0	#68 2MASS Reds	4	
0088.COMP	5	5:29	8:21:10.4	+35:47:33	300	90	3.0	#68 2MASS Reds	4	
0089.2M081903.5+560721	540	5:33	8:19:3.5	+56:7:21	300	90	3.0	#68 2MASS Reds	4	
0090.COMP	5	5:44	8:19:3.5	+56:7:21	300	90	3.0	#68 2MASS Reds	4	
0091.2M081659.0+613518	600	5:47	8:16:59.0	+61:35:18	300	90	3.0	#68 2MASS Reds	4	
0092.COMP	5	5:57	8:16:59.0	+61:35:18	300	90	3.0	#68 2MASS Reds	4	
0093.2M083455.1+412406	600	6:13	8:34:55.1	+41:24:6	300	90	3.0	#68 2MASS Reds	4	
0094.COMP	5	6:24	8:34:55.1	+41:24:6	300	90	3.0	#68 2MASS Reds	4	
0095.2M084427.7+553742	300	6:26	8:44:27.7	+55:37:42	300	90	3.0	#68 2MASS Reds	4	
0096.COMP	5	6:31	8:44:27.7	+55:37:42	300	90	3.0	#68 2MASS Reds	4	
0097.2M085200.5+642536	400	6:33	8:52:0.5	+64:25:36	300	90	3.0	#68 2MASS Reds	4	
0098.COMP	5	6:44	8:52:0.5	+64:25:36	300	90	3.0	#68 2MASS Reds	4	
0099.2M085512.6+642345	600	6:45	8:55:12.6	+64:23:45	300	90	3.0	#68 2MASS Reds	4	
0100.COMP	5	6:56	8:55:12.6	+64:23:45	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-14 Observers HuchraColl. Focus 990 Grating/Grism 300

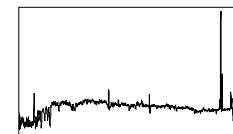
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0101.2M092454.2+420933	330	6:58	9:24:54.2	+42:9:33	300	90	3.0	#68 2MASS Reds	4	
0102.COMP	5	7:04	9:24:54.2	+42:9:33	300	90	3.0	#68 2MASS Reds	4	
0103.2M092445.9+392407	330	7:05	9:24:45.9	+39:24:7	300	90	3.0	#68 2MASS Reds	4	
0104.COMP	5	7:11	9:24:45.9	+39:24:7	300	90	3.0	#68 2MASS Reds	4	
0105.sn2004aw	1200	7:13	11:57:50.2	+25:15:55	300	90	3.0	#2 SN Observat	2	
0106.COMP	5	7:34	11:57:50.2	+25:15:55	300	90	3.0	#2 SN Observat	2	
0107.2M105851.5+013902	420	7:37	10:58:51.5	+01:39:2	300	90	3.0	#68 2MASS Reds	4	
0108.COMP	5	7:44	10:58:51.5	+01:39:2	300	90	3.0	#68 2MASS Reds	4	
0109.2M105826.7+012258	330	7:45	10:58:26.7	+01:22:58	300	90	3.0	#68 2MASS Reds	4	
0110.COMP	5	7:59	10:58:26.7	+01:22:58	300	90	3.0	#68 2MASS Reds	4	
0111.2M105846.9+053110	720	8:00	10:58:46.9	+05:31:10	300	90	3.0	#68 2MASS Reds	4	
0112.COMP	5	8:13	10:58:46.9	+05:31:10	300	90	3.0	#68 2MASS Reds	4	
0113.2M110606.6+344145	360	8:15	11:6:6.6	+34:41:45	300	90	3.0	#68 2MASS Reds	4	
0114.COMP	5	8:21	11:6:6.6	+34:41:45	300	90	3.0	#68 2MASS Reds	4	
0115.2M110657.9+353307	900	8:24	11:6:57.9	+35:33:7	300	90	3.0	#68 2MASS Reds	4	
0116.COMP	5	8:39	11:6:57.9	+35:33:7	300	90	3.0	#68 2MASS Reds	4	
0117.2M122001.5+560946	330	8:41	12:20:1.5	+56:9:46	300	90	3.0	#68 2MASS Reds	4	
0118.COMP	5	8:47	12:20:1.5	+56:9:46	300	90	3.0	#68 2MASS Reds	4	
0119.2M122035.6+521527	780	8:48	12:20:35.6	+52:15:27	300	90	3.0	#68 2MASS Reds	4	
0120.COMP	5	9:01	12:20:35.6	+52:15:27	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-14 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0121.2M123411.0+474428	480	9:02	12:34:11.0	+47:44:28	300	90	3.0	#68 2MASS Reds	4	
0122.COMP	5	9:11	12:34:11.0	+47:44:28	300	90	3.0	#68 2MASS Reds	4	
0123.2M123849.4+423840	360	9:12	12:38:49.4	+42:38:40	300	90	3.0	#68 2MASS Reds	4	
0124.COMP	5	9:19	12:38:49.4	+42:38:40	300	90	3.0	#68 2MASS Reds	4	
0125.2M124408.6+483840	400	9:20	12:44:8.6	+48:38:40	300	90	3.0	#68 2MASS Reds	4	
0126.COMP	5	9:27	12:44:8.6	+48:38:40	300	90	3.0	#68 2MASS Reds	4	
0127.2M123911.6+531919	300	9:29	12:39:11.6	+53:19:19	300	90	3.0	#68 2MASS Reds	4	
0128.COMP	5	9:34	12:39:11.6	+53:19:19	300	90	3.0	#68 2MASS Reds	4	
0129.2M133306.0+323528	300	9:35	13:33:6.0	+32:35:28	300	90	3.0	#68 2MASS Reds	4	
0130.COMP	5	9:41	13:33:6.0	+32:35:28	300	90	3.0	#68 2MASS Reds	4	
0131.2M133307.5+323051	300	9:42	13:33:7.5	+32:30:51	300	90	3.0	#68 2MASS Reds	4	
0132.COMP	5	9:48	13:33:7.5	+32:30:51	300	90	3.0	#68 2MASS Reds	4	
0133.2M133417.5+321159	780	9:50	13:34:17.5	+32:11:59	300	90	3.0	#68 2MASS Reds	4	
0134.COMP	5	10:03	13:34:17.5	+32:11:59	300	90	3.0	#68 2MASS Reds	4	
0135.2M133535.8+332228	900	10:05	13:35:35.8	+33:22:28	300	90	3.0	#68 2MASS Reds	4	
0136.COMP	5	10:21	13:35:35.8	+33:22:28	300	90	3.0	#68 2MASS Reds	4	
0137.2M133948.4+334117	300	10:22	13:39:48.4	+33:41:17	300	90	3.0	#68 2MASS Reds	4	
0138.COMP	5	10:28	13:39:48.4	+33:41:17	300	90	3.0	#68 2MASS Reds	4	
0139.2M134314.9+350506	330	10:29	13:43:14.9	+35:5:6	300	90	3.0	#68 2MASS Reds	4	
0140.COMP	5	10:35	13:43:14.9	+35:5:6	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-14 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0141.sn2004ao	1200	10:37	17:28:09.3	+07:24:55	300	90	3.0	#2 SN Observat	2	
0142.COMP	5	10:58	17:28:09.3	+07:24:55	300	90	3.0	#2 SN Observat	2	
0143.2M17425020-0943265	900	11:00	17:42:50.2	-09:43:26	300	90	3.0	#68 2MASS Reds	4	
0144.COMP	5	11:16	17:42:50.2	-09:43:26	300	90	3.0	#68 2MASS Reds	4	
0145.2M18142850+0046551	900	11:19	18:14:28.5	+00:46:55	300	90	3.0	#68 2MASS Reds	4	
0146.2M18142850+0046551	600	11:47	18:14:28.5	+00:46:55	300	90	3.0	#68 2MASS Reds	4	
0147.COMP	5	11:57	18:14:28.5	+00:46:55	300	90	3.0	#68 2MASS Reds	4	
0148.N5548	150	11:59	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0149.COMP	5	12:02	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0150-0159.BIAS	0	12:19	18:02:57.4	-30:05:10	300	90	3.0	#68	4	
0160-0169.FLAT	8	12:22	18:02:57.4	-30:05:10	300	90	3.0	#68	4	
0170-0179.BIAS	0	12:24	18:02:57.4	-30:05:10	300	90	3.0	#68	2	
0180-0189.FLAT	16	12:30	18:02:57.4	-30:05:10	300	90	3.0	#68	2	
0190-0199.DARK	900	14:53	18:02:57.4	-30:05:10	300	90	3.0	#68	4	
0200-0209.DARK	900	17:25	18:02:57.4	-30:05:10	300	90	3.0	#68	2	

UT Date 2004-04-15 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0003.DARK	900	0:38	18:02:57.4	-30:05:10	300	90	3.0	#68	4	
0004-0005.BIAS	0	1:12	18:02:57.4	-30:05:10	300	90	3.0	#68	4	
0006-0010.BIAS	0	1:30	18:02:57.4	-30:05:10	300	90	3.0	#68	2	
0011.DARK	900	1:31	18:02:57.4	-30:05:10	300	90	3.0	#68	2	
0012-0021.BIAS	0	1:51	18:02:57.4	-30:05:10	300	90	3.0	#68	4	
0022-0031.FLAT	8	1:54	18:02:57.4	-30:05:10	300	90	3.0	#68	4	
0032-0041.BIAS	0	1:56	18:02:57.4	-30:05:10	300	90	3.0	#68	2	
0042-0051.FLAT	16	2:02	18:02:57.4	-30:05:10	300	90	3.0	#68	2	
0052-0056.Sky	30	2:17	18:02:57.4	-30:05:10	300	90	3.0	#57 Velocity S	2	
0057.COMP	5	2:20	18:02:57.4	-30:05:10	300	90	3.0	#57 Velocity S	2	
0058.HD84937	20	2:23	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0059.HD84937	20	2:24	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0060.HD84937	20	2:24	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0061.COMP	5	2:26	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0062.HD84937	10	2:29	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0063.HD84937	10	2:30	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0064.COMP	5	2:32	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0065.Feige34	50	2:44	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0066.Feige34	50	2:45	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0067.COMP	5	2:47	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	

UT Date 2004-04-15 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0068.Feige34	100	2:48	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0069.Feige34	100	2:49	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0070.COMP	5	2:52	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0071.N3227	150	2:54	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0072.N3227	150	2:57	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0073.COMP	5	3:00	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0074.MRK421	240	3:01	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0075.MRK421	240	3:05	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0076.COMP	5	3:10	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0077.2M054550.17-073753.9	900	3:13	05:45:50.1	-07:37:53	300	90	3.0	#68 2MASS Reds	4	
0078.COMP	5	3:26	05:45:48.6	-07:36:56	300	90	3.0	#68 2MASS Reds	4	
0079.2M05205769+2340308	1200	3:31	05:20:57.6	+23:40:30	300	90	3.0	#68 2MASS Reds	4	
0080.2M05205769+2340308	800	3:52	05:20:57.6	+23:40:30	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	4:05	05:20:57.6	+23:40:30	300	90	3.0	#68 2MASS Reds	4	
0082.2M083454.0+010251	360	4:08	8:34:54.0	+01:2:51	300	90	3.0	#68 2MASS Reds	4	
0083.COMP	5	4:15	8:34:54.0	+01:2:51	300	90	3.0	#68 2MASS Reds	4	
0084.2M085007.6+023852	330	4:16	8:50:7.6	+02:38:52	300	90	3.0	#68 2MASS Reds	4	
0085.COMP	5	4:22	8:50:7.6	+02:38:52	300	90	3.0	#68 2MASS Reds	4	
0086.sn2004at	1200	4:28	10:58:45.1	+59:29:12	300	10	3.0	#2 SN Observat	2	
0087.COMP	5	4:48	10:58:45.1	+59:29:12	300	10	3.0	#2 SN Observat	2	

UT Date 2004-04-15 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0088.SNu5894	1200	4:58	10:47:37.4	26:18:12	300	90	3.0	#2 SN Observat	2	
0089.COMP	5	5:18	10:47:37.4	26:18:12	300	90	3.0	#2 SN Observat	2	
0090.SN2004bh	1200	5:21	09:40:56.4	+27:46:46	300	90	3.0	#2 SN Observat	2	
0091.COMP	5	5:42	09:40:56.4	+27:46:46	300	90	3.0	#2 SN Observat	2	
0092.2M094604.9+005218	300	5:44	9:46:4.9	+00:52:18	300	90	3.0	#68 2MASS Reds	2	
0093.COMP	5	5:50	9:46:4.9	+00:52:18	300	90	3.0	#68 2MASS Reds	2	
0094.2M102544.2+102230	330	5:52	10:25:44.2	+10:22:30	300	90	3.0	#68 2MASS Reds	4	
0095.COMP	5	5:58	10:25:44.2	+10:22:30	300	90	3.0	#68 2MASS Reds	4	
0096.2M102857.0+082900	700	5:59	10:28:57.0	+08:29:0	300	90	3.0	#68 2MASS Reds	4	
0097.COMP	5	6:13	10:28:57.0	+08:29:0	300	90	3.0	#68 2MASS Reds	4	
0098.2M103006.2+382810	700	6:15	10:30:6.2	+38:28:10	300	90	3.0	#68 2MASS Reds	4	
0099.COMP	5	6:27	10:30:6.2	+38:28:10	300	90	3.0	#68 2MASS Reds	4	
0100.2M104458.8+370816	300	6:28	10:44:58.8	+37:8:16	300	90	3.0	#68 2MASS Reds	4	
0101.COMP	5	6:34	10:44:58.8	+37:8:16	300	90	3.0	#68 2MASS Reds	4	
0102.2M104506.3+385902	1200	6:35	10:45:6.3	+38:59:2	300	90	3.0	#68 2MASS Reds	4	
0103.COMP	5	6:55	10:45:6.3	+38:59:2	300	90	3.0	#68 2MASS Reds	4	
0104.2M105611.8+465250	300	6:57	10:56:11.8	+46:52:50	300	90	3.0	#68 2MASS Reds	4	
0105.COMP	5	7:02	10:56:11.8	+46:52:50	300	90	3.0	#68 2MASS Reds	4	
0106.2M105946.0+534812	330	7:04	10:59:46.0	+53:48:12	300	90	3.0	#68 2MASS Reds	4	
0107.COMP	5	7:10	10:59:46.0	+53:48:12	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-15 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0108.2M103423.9+592315	300	7:11	10:34:23.9	+59:23:15	300	90	3.0	#68 2MASS Reds	4	
0109.COMP	5	7:17	10:34:23.9	+59:23:15	300	90	3.0	#68 2MASS Reds	4	
0110.2M110809.0+720301	900	7:19	11:8:9.0	+72:3:1	300	90	3.0	#68 2MASS Reds	4	
0111.COMP	5	7:35	11:8:9.0	+72:3:1	300	90	3.0	#68 2MASS Reds	4	
0112.2M110809.0+720301	900	7:36	11:8:9.0	+72:3:1	300	90	3.0	#68 2MASS Reds	4	
0113.COMP	5	7:52	11:8:9.0	+72:3:1	300	90	3.0	#68 2MASS Reds	4	
0114.2M112702.9+573601	900	8:11	11:27:2.9	+57:36:1	300	90	3.0	#68 2MASS Reds	4	
0115.COMP	5	8:27	11:27:2.9	+57:36:1	300	90	3.0	#68 2MASS Reds	4	
0116.2M113024.8+560826	600	8:28	11:30:24.8	+56:8:26	300	90	3.0	#68 2MASS Reds	4	
0117.COMP	5	8:38	11:30:24.8	+56:8:26	300	90	3.0	#68 2MASS Reds	4	
0118.2M115627.2+602505	420	8:40	11:56:27.2	+60:25:5	300	75	3.0	#68 2MASS Reds	4	
0119.COMP	5	8:48	11:56:27.2	+60:25:5	300	75	3.0	#68 2MASS Reds	4	
0120.2M120921.8+753349	330	8:50	12:9:21.8	+75:33:49	300	90	3.0	#68 2MASS Reds	4	
0121.COMP	5	8:56	12:9:21.8	+75:33:49	300	90	3.0	#68 2MASS Reds	4	
0122.2M133714.9+554011	330	8:58	13:37:14.9	+55:40:11	300	90	3.0	#68 2MASS Reds	4	
0123.COMP	5	9:04	13:37:14.9	+55:40:11	300	90	3.0	#68 2MASS Reds	4	
0124.2M134330.5+614953	330	9:05	13:43:30.5	+61:49:53	300	90	3.0	#68 2MASS Reds	4	
0125.COMP	5	9:11	13:43:30.5	+61:49:53	300	90	3.0	#68 2MASS Reds	4	
0126.2M135432.2+582345	720	9:13	13:54:32.2	+58:23:45	300	90	3.0	#68 2MASS Reds	4	
0127.COMP	5	9:25	13:54:32.2	+58:23:45	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-15 Observers HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0128.2M141004.1+580221	330	9:27	14:10:4.1	+58:2:21	300	90	3.0	#68 2MASS Reds	4	
0129.COMP	5	9:33	14:10:4.1	+58:2:21	300	90	3.0	#68 2MASS Reds	4	
0130.2M141117.2+551823	300	9:34	14:11:17.2	+55:18:23	300	90	3.0	#68 2MASS Reds	4	
0131.COMP	5	9:40	14:11:17.2	+55:18:23	300	90	3.0	#68 2MASS Reds	4	
0132.N4051	150	9:41	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0133.N4051	150	9:44	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0134.COMP	5	9:47	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0135.N4151	30	9:48	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0136.N4151	30	9:48	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0137.COMP	5	9:52	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0138.N5548	240	9:55	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0139.N5548	240	9:59	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0140.COMP	5	10:03	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0141.2M175854.9-083633	960	10:09	17:58:54.9	-08:36:33	300	90	3.0	#68 2MASS Reds	4	
0142.COMP	5	10:25	17:58:54.9	-08:36:33	300	90	3.0	#68 2MASS Reds	4	
0143.2M175854.9-083633	1140	10:26	17:58:54.9	-08:36:33	300	90	3.0	#68 2MASS Reds	4	
0144.COMP	5	10:45	17:58:54.9	-08:36:33	300	90	3.0	#68 2MASS Reds	4	
0145-0154.BIAS	0	11:16	18:14:28.4	+00:47:40	300	90	3.0	#2 SN Observat	4	
0155-0156.FLAT	8	11:16	18:14:28.4	+00:47:40	300	90	3.0	#2 SN Observat	4	
0157.FLAT	8	11:17	17:28:48.7	+13:27:47	300	90	3.0	#2 SN Observat	4	

UT Date 2004-04-15 Observers HuchraColl. Focus 990 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>Bir</i>	<i>Comments</i>
0158.FLAT	8	11:17	17:29:02.8	+31:22:33	300	90	3.0	#2 SN Observat	4	
0159-0163.FLAT	8	11:19	17:30:44.5	+31:30:25	300	90	3.0	#2 SN Observat	4	
0164.FLAT	8	11:19	17:31:02.1	+31:30:24	300	90	3.0	#2 SN Observat	4	
0165-0174.BIAS	0	11:21	17:33:14.0	+31:30:24	300	90	3.0	#2 SN Observat	2	
0175.FLAT	16	11:22	17:33:52.2	+31:30:24	300	90	3.0	#2 SN Observat	2	
0176-0180.FLAT	16	11:24	17:36:50.0	+31:30:23	300	90	3.0	#2 SN Observat	2	
0181-0184.FLAT	16	11:27	17:39:10.6	+31:30:22	300	90	3.0	#2 SN Observat	2	

UT Date 2004-04-16 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	1:44	07:58:01.7	+31:30:22	300	90	3.0	#2 SN Observat	4	
0011-0019.FLAT	8	1:47	08:01:04.7	+31:30:23	300	90	3.0	#2 SN Observat	4	
0020.FLAT	8	1:47	08:01:25.8	+31:30:24	300	90	3.0	#2 SN Observat	4	
0021-0030.BIAS	0	1:49	08:03:37.8	+31:30:24	300	90	3.0	#2 SN Observat	2	
0031.FLAT	16	1:50	08:04:16.1	+31:30:24	300	90	3.0	#2 SN Observat	2	
0032-0036.FLAT	16	1:53	08:07:14.3	+31:30:25	300	90	3.0	#2 SN Observat	2	
0037-0040.FLAT	16	1:55	08:09:34.8	+31:30:26	300	90	3.0	#2 SN Observat	2	
0041.sky	3	2:09	8:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	clear skies
0042-0045.sky	3	2:10	8:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	2:11	8:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	slight tilt
0047.HD52071	5	2:24	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0048.HD52071	5	2:24	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0049.HD52071	5	2:24	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0050.COMP	5	2:25	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0051.HD84937	10	2:37	09:48:56.1	13:44:39	300	-35	3.0	#56 Spectropho	2	
0052.HD84937	10	2:38	09:48:56.1	13:44:39	300	-35	3.0	#56 Spectropho	2	
0053.HD84937	10	2:38	09:48:56.1	13:44:39	300	-35	3.0	#56 Spectropho	2	
0054.COMP	10	2:39	09:48:56.1	13:44:39	300	-35	3.0	#56 Spectropho	2	
0055.N3227	150	2:42	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0056.N3227	150	2:45	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	

UT Date 2004-04-16 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0057.COMP	5	2:48	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0058.ZCma	10	2:49	07:03:43.1	-11:33:06	300	33	3.0	#112 Orion PMS	4	
0059.ZCma	30	2:50	07:03:43.1	-11:33:06	300	33	3.0	#112 Orion PMS	4	
0060.ZCma	3	2:50	07:03:43.1	-11:33:06	300	33	3.0	#112 Orion PMS	4	
0061.COMP	5	2:51	07:03:43.1	-11:33:06	300	33	3.0	#112 Orion PMS	4	
0062.FUOri	30	2:52	05:45:22.6	+09:04:12	300	57	3.0	#112 Orion PMS	4	
0063.FUOri	30	2:53	05:45:22.6	+09:04:12	300	57	3.0	#112 Orion PMS	4	
0064.COMP	5	2:54	05:45:22.6	+09:04:12	300	57	3.0	#112 Orion PMS	4	
0065.NebulaVertexp28	300	2:57	05:46:13.2	-00:06:04	300	28	3.0	#112 Orion PMS	2	
0066.NebulaVertexp28	1200	3:02	05:46:13.2	-00:06:04	300	28	3.0	#112 Orion PMS	2	
0067.COMP	10	3:23	05:46:13.2	-00:06:04	300	28	3.0	#112 Orion PMS	2	
0068.sn2004bh	1200	3:26	09:40:56.4	+27:46:46	300	55	3.0	#2 SN Observat	2	
0069.COMP	10	3:47	09:40:56.4	+27:46:46	300	55	3.0	#2 SN Observat	2	
0070.2M084449.8+432701	360	3:49	8:44:49.8	+43:27:1	300	90	3.0	#68 2MASS Reds	2	
0071.COMP	10	3:55	8:44:49.8	+43:27:1	300	90	3.0	#68 2MASS Reds	2	
0072.2M084525.1+455740	300	3:56	8:45:25.1	+45:57:40	300	90	3.0	#68 2MASS Reds	4	
0073.COMP	5	4:01	8:45:25.1	+45:57:40	300	90	3.0	#68 2MASS Reds	4	
0074.2M084715.5+352829	240	4:02	8:47:15.5	+35:28:29	300	90	3.0	#68 2MASS Reds	4	
0075.COMP	5	4:07	8:58:5.2	+22:46:33	300	90	3.0	#68 2MASS Reds	4	
0076.2M085805.2+224633	240	4:07	8:58:5.2	+22:46:33	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-16 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0077.COMP	5	4:12	8:58:5.2	+22:46:33	300	90	3.0	#68 2MASS Reds	4	
0078.2M091502.0+173532	240	4:13	9:15:2.0	+17:35:32	300	70	3.0	#68 2MASS Reds	4	
0079.COMP	5	4:17	9:15:2.0	+17:35:32	300	70	3.0	#68 2MASS Reds	4	
0080.2M092456.1+401937	210	4:18	9:24:56.1	+40:19:37	300	70	3.0	#68 2MASS Reds	4	
0081.COMP	5	4:22	9:24:56.1	+40:19:37	300	70	3.0	#68 2MASS Reds	4	
0082.2M093708.1+413735	210	4:22	9:37:8.1	+41:37:35	300	70	3.0	#68 2MASS Reds	4	
0083.COMP	5	4:26	9:37:8.1	+41:37:35	300	70	3.0	#68 2MASS Reds	4	
0084.Feige34	120	4:27	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0085.Feige34	120	4:30	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0086.COMP	10	4:32	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0087.XS00839B7_002	900	4:35	09:33:27.5	+79:08:04	300	0	3.0	#129 Bright Ch	2	
0088.COMP	10	4:51	09:33:27.5	+79:08:04	300	0	3.0	#129 Bright Ch	2	
0089.XS00839B6_003	210	5:00	09:32:13.1	+79:10:27	300	0	3.0	#129 Bright Ch	2	tv camera failure
0090.COMP	10	5:04	09:32:13.1	+79:10:27	300	0	3.0	#129 Bright Ch	2	
0091.XS02095B7_005	240	5:06	09:50:18.6	+14:19:20	300	46	3.0	#129 Bright Ch	2	
0092.COMP	5	5:11	09:50:18.6	+14:19:20	300	46	3.0	#129 Bright Ch	2	tv failure, shoddy wiring was the culprit
0093.XS00937B0_003	1200	5:12	10:25:13.6	+47:06:54	300	100	3.0	#129 Bright Ch	2	
0094.COMP	10	5:33	10:25:13.6	+47:06:54	300	100	3.0	#129 Bright Ch	2	
0095.sn2004bi	1800	5:35	10:47:37.4	+26:18:12	300	70	3.0	#2 SN Observat	2	
0096.COMP	10	6:05	10:47:37.4	+26:18:12	300	70	3.0	#2 SN Observat	2	

UT Date 2004-04-16 Observers P BerlindColl. Focus 990 Grating/Grism 300

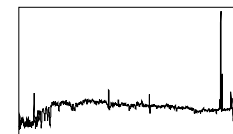
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0097.sn2004as	1500	6:07	11:25:39.1	+22:49:49	300	56	3.0	#2 SN Observat	2	
0098.COMP	10	6:32	11:25:39.1	+22:49:49	300	56	3.0	#2 SN Observat	2	
0099.2M111247.2+872821	720	6:38	11:12:47.2	+87:28:21	300	90	3.0	#68 2MASS Reds	4	
0100.COMP	5	6:51	11:12:47.2	+87:28:21	300	90	3.0	#68 2MASS Reds	4	
0101.2M121925.2+864732	720	6:54	12:19:25.2	+86:47:32	300	90	3.0	#68 2MASS Reds	4	
0102.COMP	5	7:06	12:19:25.2	+86:47:32	300	90	3.0	#68 2MASS Reds	4	
0103.2M111351.7+341704	240	7:08	11:13:51.7	+34:17:4	300	90	3.0	#68 2MASS Reds	4	
0104.COMP	5	7:12	11:13:51.7	+34:17:4	300	90	3.0	#68 2MASS Reds	4	
0105.2M111454.7+255528	300	7:13	11:14:54.7	+25:55:28	300	90	3.0	#68 2MASS Reds	4	
0106.COMP	5	7:18	11:14:54.7	+25:55:28	300	90	3.0	#68 2MASS Reds	4	
0107.2M111939.4+245546	210	7:19	11:19:39.4	+24:55:46	300	90	3.0	#68 2MASS Reds	4	
0108.COMP	5	7:23	11:19:39.4	+24:55:46	300	90	3.0	#68 2MASS Reds	4	
0109.2M112322.0+212317	240	7:23	11:23:22.0	+21:23:17	300	90	3.0	#68 2MASS Reds	4	
0110.COMP	5	7:27	11:23:22.0	+21:23:17	300	90	3.0	#68 2MASS Reds	4	
0111.2M135402.9+372251	180	7:29	13:54:2.9	+37:22:51	300	90	3.0	#68 2MASS Reds	4	
0112.COMP	5	7:32	13:54:2.9	+37:22:51	300	90	3.0	#68 2MASS Reds	4	
0113.2M140220.6+322653	180	7:33	14:2:20.6	+32:26:53	300	90	3.0	#68 2MASS Reds	4	
0114.COMP	5	7:37	14:2:20.6	+32:26:53	300	90	3.0	#68 2MASS Reds	4	
0115.2M141845.7+055004	180	7:38	14:18:45.7	+05:50:4	300	90	3.0	#68 2MASS Reds	4	
0116.COMP	5	7:41	14:18:45.7	+05:50:4	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-16 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0117.c11236p2550.g1	1800	7:50	12:36:59.0	+25:50:46	300	90	3.0	#150 Distant C	2	ok
0118.COMP	10	8:20	12:36:59.0	+25:50:46	300	90	3.0	#150 Distant C	2	
0119.c11236p2550.g2.g5	1800	8:22	12:36:59.0	+25:50:46	300	93	3.0	#150 Distant C	2	g2 at row 84, g5 at row 54
0120.COMP	10	8:52	12:36:59.0	+25:50:46	300	93	3.0	#150 Distant C	2	g2 ok, g5 has h-alpha emission
0121.BDp262606	45	8:56	14:49:02.3	+25:42:09	300	37	3.0	#56 Spectropho	2	
0122.BDp262606	45	8:57	14:49:02.3	+25:42:09	300	37	3.0	#56 Spectropho	2	
0123.COMP	10	8:59	14:49:02.3	+25:42:09	300	37	3.0	#56 Spectropho	2	
0124.c11436p5507.g1	1500	9:02	14:36:55.8	+55:08:01	300	90	3.0	#150 Distant C	2	
0125.COMP	10	9:27	14:36:55.8	+55:08:01	300	90	3.0	#150 Distant C	2	
0126.c11501m0830.g1.g3	1200	9:31	15:01:05.7	-08:32:27	300	17	3.0	#150 Distant C	2	g1 at row 80, g3 at row 110
0127.COMP	10	9:51	15:01:05.7	-08:32:27	300	17	3.0	#150 Distant C	2	
0128.c11501m0830.g2	1200	9:54	15:01:05.7	-08:32:27	300	0	3.0	#150 Distant C	2	
0129.COMP	10	10:14	15:01:05.7	-08:32:27	300	0	3.0	#150 Distant C	2	
0130.BDp332642	120	10:16	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0131.BDp332642	120	10:18	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0132.COMP	10	10:21	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0133.4C34.47	1200	10:23	17:23:20.8	+34:17:57	300	75	3.0	#151 AGN Emiss	2	
0134.COMP	10	10:43	17:23:20.8	+34:17:57	300	75	3.0	#151 AGN Emiss	2	
0135.DracoC1	1200	10:46	17:19:58	57:50:06	300	0	3.0	#12 Symbiotic	2	
0136.COMP	10	11:07	17:19:58	57:50:06	300	0	3.0	#12 Symbiotic	2	

UT Date 2004-04-16 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0137.SC1_608372	900	11:11	18:02:57.4	-30:05:10	300	0	3.0	#126 GRB	2	
0138.COMP	10	11:27	18:02:57.4	-30:05:10	300	0	3.0	#126 GRB	2	
0139.RSOph	10	11:31	17:50:13	-06:42:30	300	0	3.0	#12 Symbiotic	4	
0140.RSOph	60	11:31	17:50:13	-06:42:30	300	0	3.0	#12 Symbiotic	4	
0141.RSOph	180	11:33	17:50:13	-06:42:30	300	0	3.0	#12 Symbiotic	4	
0142.COMP	5	11:36	17:50:13	-06:42:30	300	0	3.0	#12 Symbiotic	4	
0143.YYHer	60	11:41	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0144.YYHer	300	11:42	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0145.COMP	5	11:47	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0146.V443Her	5	11:48	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0147.V443Her	10	11:48	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0148.V443Her	45	11:49	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0149.V443Her	90	11:50	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0150.COMP	5	11:52	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0151.BFCyg	5	11:53	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0152.BFCyg	15	11:53	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0153.BFCyg	45	11:53	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0154.BFCyg	150	11:54	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0155.COMP	5	11:57	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0156.CHCyg	1	11:58	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	

UT Date 2004-04-16 Observers P BerlindColl. Focus 990 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>Bir</i>	<i>Comments</i>
0157.CHCyg	5	11:58	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0158.CHCyg	5	11:59	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0159.CHCyg	1	11:59	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0160.COMP	5	12:00	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0161.CICyg	2	12:01	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0162.CICyg	5	12:01	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0163.CICyg	20	12:01	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0164.CICyg	60	12:02	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0165.COMP	5	12:03	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0166-0175.BIAS	0	12:06	19:50:12	35:41:02	300	90	3.0	#150 Distant C	4	
0176-0185.FLAT	8	12:09	19:50:12	35:41:02	300	90	3.0	#150 Distant C	4	
0186-0195.BIAS	0	12:11	19:50:12	35:41:02	300	90	3.0	#150 Distant C	2	
0196-0205.FLAT	16	12:17	19:50:12	35:41:02	300	90	3.0	#150 Distant C	2	
0206-0215.DARK	900	14:42	19:50:12	35:41:02	300	90	3.0	#150 Distant C	4	
0216-0225.DARK	900	17:15	19:50:12	35:41:02	300	90	3.0	#150 Distant C	2	

UT Date 2004-04-17 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	1:32	19:50:12	35:41:02	300	90	3.0	#150 Distant C	4	
0011-0020.FLAT	8	1:35	19:50:12	35:41:02	300	90	3.0	#150 Distant C	4	
0021-0030.BIAS	0	1:37	19:50:12	35:41:02	300	90	3.0	#150 Distant C	2	
0031-0040.FLAT	16	1:43	19:50:12	35:41:02	300	90	3.0	#150 Distant C	2	
0042.HD52071	5	2:58	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0043.HD52071	5	2:58	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0044.HD52071	2	2:58	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0045.COMP	5	2:59	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0046.HD84937	30	3:50	09:48:56.1	13:44:39	300	15	3.0	#56 Spectropho	2	
0047.HD84937	45	3:51	09:48:56.1	13:44:39	300	15	3.0	#56 Spectropho	2	
0048.HD84937	90	3:52	09:48:56.1	13:44:39	300	15	3.0	#56 Spectropho	2	
0049.HD84937	90	3:55	09:48:56.1	13:44:39	300	15	3.0	#56 Spectropho	2	
0050.COMP	10	3:57	09:48:56.1	13:44:39	300	15	3.0	#56 Spectropho	2	
0051.Feige34	240	3:59	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0052.Feige34	300	4:04	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0053.COMP	10	4:10	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0054.sn2004bg	1200	4:16	11:21:01.5	+21:20:23	300	-25	3.0	#2 SN Observat	2	
0055.COMP	10	4:37	11:21:01.5	+21:20:23	300	-25	3.0	#2 SN Observat	2	
0056.sn2004bd	1020	4:40	11:39:42.1	+31:54:31	300	0	3.0	#2 SN Observat	2	
0057.COMP	10	4:57	11:39:42.1	+31:54:31	300	0	3.0	#2 SN Observat	2	

UT Date 2004-04-17 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0058.sn2004aw	1200	5:04	11:57:50.2	+25:15:55	300	0	3.0	#2 SN Observat	2	
0059.COMP	10	5:25	11:57:50.2	+25:15:55	300	0	3.0	#2 SN Observat	2	
0060.N4051	180	6:15	12:03:09.7	+44:31:53	300	0	3.0	#6 AGN Monitor	4	
0061.N4051	180	6:19	12:03:09.7	+44:31:53	300	0	3.0	#6 AGN Monitor	4	
0062.COMP	5	6:22	12:03:09.7	+44:31:53	300	0	3.0	#6 AGN Monitor	4	
0063.N4151	30	6:24	12:10:32.6	+39:24:21	300	0	3.0	#6 AGN Monitor	4	
0064.N4151	30	6:24	12:10:32.6	+39:24:21	300	0	3.0	#6 AGN Monitor	4	
0065.COMP	5	6:25	12:10:32.6	+39:24:21	300	0	3.0	#6 AGN Monitor	4	
0066.M87	180	6:26	12:30:49.4	12:23:28	300	0	3.0	#6 AGN Monitor	4	
0067.M87	180	6:29	12:30:49.4	12:23:28	300	0	3.0	#6 AGN Monitor	4	
0068.COMP	5	6:33	12:30:49.4	12:23:28	300	0	3.0	#6 AGN Monitor	4	
0069.2M134817.8+250726	180	6:34	13:48:17.8	+25:7:26	300	90	3.0	#68 2MASS Reds	4	
0070.COMP	5	6:37	13:48:17.8	+25:7:26	300	90	3.0	#68 2MASS Reds	4	
0071.2M135039.5+353601	330	6:38	13:50:39.5	+35:36:1	300	90	3.0	#68 2MASS Reds	4	
0072.COMP	5	6:44	13:50:39.5	+35:36:1	300	90	3.0	#68 2MASS Reds	4	
0073.2M141928.3+520807	300	6:44	14:19:28.3	+52:8:7	300	90	3.0	#68 2MASS Reds	4	
0074.COMP	5	6:50	14:19:28.3	+52:8:7	300	90	3.0	#68 2MASS Reds	4	
0075.2M142304.4+380832	1200	7:03	14:23:4.4	+38:8:32	300	90	3.0	#68 2MASS Reds	4	
0076.COMP	5	7:26	14:23:4.4	+38:8:32	300	90	3.0	#68 2MASS Reds	4	
0077.N5548	480	8:02	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	

UT Date 2004-04-17 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0078.N5548	480	8:11	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0079.COMP	5	8:19	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0080.2M142940.6+002159	240	8:20	14:29:40.6	+00:21:59	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	8:24	14:29:40.6	+00:21:59	300	90	3.0	#68 2MASS Reds	4	
0082.2M142845.0+004241	720	8:25	14:28:45.0	+00:42:41	300	90	3.0	#68 2MASS Reds	4	
0083.COMP	5	8:37	14:28:45.0	+00:42:41	300	90	3.0	#68 2MASS Reds	4	
0084.2M142859.2+171914	300	8:38	14:28:59.2	+17:19:14	300	90	3.0	#68 2MASS Reds	4	
0085.COMP	5	8:43	14:28:59.2	+17:19:14	300	90	3.0	#68 2MASS Reds	4	
0086.2M142949.2+112746	210	8:44	14:29:49.2	+11:27:46	300	90	3.0	#68 2MASS Reds	4	
0087.COMP	5	8:48	14:29:49.2	+11:27:46	300	90	3.0	#68 2MASS Reds	4	
0088.2M143256.1+554335	420	8:49	14:32:56.1	+55:43:35	300	90	3.0	#68 2MASS Reds	4	
0089.COMP	5	8:58	14:32:56.1	+55:43:35	300	90	3.0	#68 2MASS Reds	4	
0090.2M143439.2+475805	600	8:58	14:34:39.2	+47:58:5	300	90	3.0	#68 2MASS Reds	2	
0091.COMP	10	9:09	14:34:39.2	+47:58:5	300	90	3.0	#68 2MASS Reds	2	
0092.2M143416.9+593929	480	9:09	14:34:16.9	+59:39:29	300	90	3.0	#68 2MASS Reds	4	
0093.COMP	5	9:18	14:34:16.9	+59:39:29	300	90	3.0	#68 2MASS Reds	4	
0094.sn2004ao	1200	9:21	17:28:09.3	+07:24:55	300	-25	3.0	#2 SN Observat	2	
0095.COMP	10	9:39	17:28:09.3	+07:24:55	300	-25	3.0	#2 SN Observat	2	
0096.2M151642.5+520225	480	9:59	15:16:42.5	+52:2:25	300	90	3.0	#68 2MASS Reds	2	
0097.COMP	10	10:08	15:16:42.5	+52:2:25	300	90	3.0	#68 2MASS Reds	2	

UT Date 2004-04-17 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0098.2M152914.6+525150	660	10:11	15:29:14.6	+52:51:50	300	90	3.0	#68 2MASS Reds	4	
0099.COMP	5	10:23	15:29:14.6	+52:51:50	300	90	3.0	#68 2MASS Reds	4	
0100.2M154157.9+483325	420	10:23	15:41:57.9	+48:33:25	300	90	3.0	#68 2MASS Reds	4	
0101.COMP	5	10:31	15:41:57.9	+48:33:25	300	90	3.0	#68 2MASS Reds	4	
0102.2M151723.0+041249	480	10:44	15:17:23.0	+04:12:49	300	90	3.0	#68 2MASS Reds	4	
0103.COMP	5	10:52	15:17:23.0	+04:12:49	300	90	3.0	#68 2MASS Reds	4	
0104-0113.BIAS	0	11:01	15:47:18.0	+02:57:24	300	90	3.0	#2 SN Observat	4	
0114-0123.FLAT	8	11:04	15:47:18.0	+02:57:24	300	90	3.0	#2 SN Observat	4	
0124-0133.BIAS	0	11:07	15:47:18.0	+02:57:24	300	90	3.0	#2 SN Observat	2	
0134-0143.FLAT	16	11:12	15:47:18.0	+02:57:24	300	90	3.0	#2 SN Observat	2	
0144-0153.DARK	900	13:33	15:47:18.0	+02:57:24	300	90	3.0	#2 SN Observat	4	
0154-0163.DARK	900	16:05	15:47:18.0	+02:57:24	300	90	3.0	#2 SN Observat	2	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	1:46	08:07:53.1	+31:30:25	300	90	3.0	#2 SN Observat	4	
0011-0019.FLAT	8	1:49	08:10:56.1	+31:30:26	300	90	3.0	#2 SN Observat	4	
0020.FLAT	8	1:49	08:11:17.2	+31:30:27	300	90	3.0	#2 SN Observat	4	
0021-0030.BIAS	0	1:51	08:13:28.8	+31:30:27	300	90	3.0	#2 SN Observat	2	
0031.FLAT	16	1:52	08:14:07.1	+31:30:27	300	90	3.0	#2 SN Observat	2	
0032-0036.FLAT	16	1:55	08:17:01.8	+31:30:28	300	90	3.0	#2 SN Observat	2	
0037-0040.FLAT	16	1:57	08:19:22.4	+31:30:29	300	90	3.0	#2 SN Observat	2	
0041.sky	3	2:09	8:33:00	33:00:00	300	90	3.0	#57 Velocity S	4	clouds, terrible seeing most of the night
0042-0045.sky	3	2:10	8:33:00	33:00:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	2:10	8:33:00	33:00:00	300	90	3.0	#57 Velocity S	4	FAST focus motor failed yet again
0047.HD52071	5	2:32	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	likely from same old cable problems
0048.HD52071	5	2:32	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0049.HD52071	5	2:32	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0050.COMP	5	2:33	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	what a huge pain to deal with
0051.HD84937	30	2:38	09:48:56.1	13:44:39	300	-28	3.0	#56 Spectropho	2	
0052.HD84937	30	2:39	09:48:56.1	13:44:39	300	-28	3.0	#56 Spectropho	2	
0053.HD84937	30	2:40	09:48:56.1	13:44:39	300	-28	3.0	#56 Spectropho	2	
0054.COMP	10	2:41	09:48:56.1	13:44:39	300	-28	3.0	#56 Spectropho	2	
0055.MRK110	420	2:43	09:25:12.9	+52:17:10	300	0	3.0	#6 AGN Monitor	4	
0056.COMP	5	2:51	09:25:12.9	+52:17:10	300	0	3.0	#6 AGN Monitor	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0057.0111	600	2:57	08:38:19.3	15:15:14	300	90	3.0	#64 Cluster In	4	
0058.COMP	5	3:07	08:38:19.3	15:15:14	300	90	3.0	#64 Cluster In	4	
0059.c0112	720	3:08	08:40:8.6	15:38:19	300	90	3.0	#64 Cluster In	4	
0060.COMP	5	3:24	08:40:8.6	15:38:19	300	90	3.0	#64 Cluster In	4	
0061.c0113	720	3:27	08:38:36.5	15:43:18	300	90	3.0	#64 Cluster In	4	
0062.COMP	5	3:39	08:38:36.5	15:43:18	300	90	3.0	#64 Cluster In	4	
0063.c0114	900	3:40	08:37:33.5	15:43:43	300	90	3.0	#64 Cluster In	4	
0064.COMP	5	3:55	08:37:33.5	15:43:43	300	90	3.0	#64 Cluster In	4	
0065.c0116	720	3:57	08:37:41.1	16:05:03	300	90	3.0	#64 Cluster In	4	
0066.COMP	5	4:09	08:37:41.1	16:05:03	300	90	3.0	#64 Cluster In	4	
0067.c0115	720	4:12	08:37:34.3	15:49:08	300	-15	3.0	#64 Cluster In	4	
0068.COMP	5	4:25	08:37:34.3	15:49:08	300	-15	3.0	#64 Cluster In	4	
0069.Feige34	150	4:27	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0070.Feige34	300	4:30	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0071.COMP	10	4:35	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0072.c0117_c0118	900	4:39	10:14:28.5	-01:17:25	300	-4	3.0	#64 Cluster In	2	gal 117 at row 78, gal 118 at row 97
0073.COMP	10	4:55	10:14:28.5	-01:17:25	300	-4	3.0	#64 Cluster In	2	
0074.c0119	420	4:57	10:16:28.6	-01:05:55	300	-4	3.0	#64 Cluster In	4	
0075.COMP	5	5:04	10:16:28.6	-01:05:55	300	-4	3.0	#64 Cluster In	4	
0076.c0120	720	5:05	10:12:28.1	-00:42:36	300	-4	3.0	#64 Cluster In	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0077.COMP	5	5:17	10:12:28.1	-00:42:36	300	-4	3.0	#64 Cluster In	4	
0078.2M130710.6+341753	420	5:19	13:7:10.6	+34:17:53	300	90	3.0	#68 2MASS Reds	4	
0079.COMP	5	5:27	13:7:10.6	+34:17:53	300	90	3.0	#68 2MASS Reds	4	
0080.2M131047.0+500530	420	5:28	13:10:47.0	+50:5:30	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	5:35	13:10:47.0	+50:5:30	300	90	3.0	#68 2MASS Reds	4	
0082.2M131426.0+505845	360	5:36	13:14:26.0	+50:58:45	300	90	3.0	#68 2MASS Reds	4	
0083.COMP	5	5:42	13:14:26.0	+50:58:45	300	90	3.0	#68 2MASS Reds	4	
0084.2M131432.7+443027	540	5:43	13:14:32.7	+44:30:27	300	90	3.0	#68 2MASS Reds	4	
0085.COMP	5	5:53	13:14:32.7	+44:30:27	300	90	3.0	#68 2MASS Reds	4	
0086.2M133043.1+383441	330	5:54	13:30:43.1	+38:34:41	300	90	3.0	#68 2MASS Reds	4	
0087.COMP	5	6:01	13:30:43.1	+38:34:41	300	90	3.0	#68 2MASS Reds	4	
0088.2M135128.2+343400	420	6:01	13:51:28.2	+34:34:0	300	90	3.0	#68 2MASS Reds	4	
0089.COMP	5	6:08	13:51:28.2	+34:34:0	300	90	3.0	#68 2MASS Reds	4	
0090.2M135159.4+135803	900	6:10	13:51:59.4	+13:58:3	300	90	3.0	#68 2MASS Reds	4	
0091.COMP	5	6:27	13:51:59.4	+13:58:3	300	90	3.0	#68 2MASS Reds	4	
0092.2M135336.3+213408	360	6:28	13:53:36.3	+21:34:8	300	90	3.0	#68 2MASS Reds	4	
0093.COMP	5	6:34	13:53:36.3	+21:34:8	300	90	3.0	#68 2MASS Reds	4	
0094.2M135344.2+344814	300	6:35	13:53:44.2	+34:48:14	300	90	3.0	#68 2MASS Reds	4	
0095.COMP	5	6:40	13:53:44.2	+34:48:14	300	90	3.0	#68 2MASS Reds	4	
0096.2M144255.9+064319	540	6:50	14:42:55.9	+06:43:19	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0097.COMP	5	7:00	14:42:55.9	+06:43:19	300	90	3.0	#68 2MASS Reds	4	
0098.2M145028.1+110649	240	7:00	14:50:28.1	+11:6:49	300	90	3.0	#68 2MASS Reds	4	
0099.COMP	5	7:05	14:50:28.1	+11:6:49	300	90	3.0	#68 2MASS Reds	4	
0100.2M143818.6+173633	420	7:05	14:38:18.6	+17:36:33	300	90	3.0	#68 2MASS Reds	4	
0101.COMP	5	7:13	14:38:18.6	+17:36:33	300	90	3.0	#68 2MASS Reds	4	
0102.2M144146.9+565504	300	7:14	14:41:46.9	+56:55:4	300	90	3.0	#68 2MASS Reds	4	
0103.COMP	5	7:19	14:41:46.9	+56:55:4	300	90	3.0	#68 2MASS Reds	4	
0104.2M144246.6+614244	420	7:20	14:42:46.6	+61:42:44	300	90	3.0	#68 2MASS Reds	4	
0105.COMP	5	7:27	14:42:46.6	+61:42:44	300	90	3.0	#68 2MASS Reds	4	
0106.2M144619.4+543812	360	7:28	14:46:19.4	+54:38:12	300	90	3.0	#68 2MASS Reds	4	
0107.COMP	5	7:34	14:46:19.4	+54:38:12	300	90	3.0	#68 2MASS Reds	4	
0108.2M145122.7+552405	360	7:35	14:51:22.7	+55:24:5	300	90	3.0	#68 2MASS Reds	4	
0109.COMP	5	7:42	14:51:22.7	+55:24:5	300	90	3.0	#68 2MASS Reds	4	
0110.2M144630.2+323829	240	7:42	14:46:30.2	+32:38:29	300	90	3.0	#68 2MASS Reds	4	
0111.COMP	5	7:47	14:46:30.2	+32:38:29	300	90	3.0	#68 2MASS Reds	4	
0112.2M145305.9+365527	300	7:55	14:53:5.9	+36:55:27	300	90	3.0	#68 2MASS Reds	4	
0113.COMP	5	8:00	14:53:5.9	+36:55:27	300	90	3.0	#68 2MASS Reds	4	
0114.2M145728.4+215639	360	8:01	14:57:28.4	+21:56:39	300	90	3.0	#68 2MASS Reds	4	
0115.COMP	5	8:07	14:57:28.4	+21:56:39	300	90	3.0	#68 2MASS Reds	4	
0116.2M150411.8+072723	360	8:09	15:4:11.8	+07:27:23	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0117.COMP	5	8:15	15:4:11.8	+07:27:23	300	90	3.0	#68 2MASS Reds	4	
0118.2M150833.6+061118	360	8:16	15:8:33.6	+06:11:18	300	90	3.0	#68 2MASS Reds	4	
0119.COMP	5	8:22	15:8:33.6	+06:11:18	300	90	3.0	#68 2MASS Reds	4	
0120.2M150731.5+161151	300	8:23	15:7:31.5	+16:11:51	300	90	3.0	#68 2MASS Reds	4	
0121.COMP	5	8:28	15:7:31.5	+16:11:51	300	90	3.0	#68 2MASS Reds	4	
0122.2M150827.8+681149	210	8:30	15:8:27.8	+68:11:49	300	90	3.0	#68 2MASS Reds	4	
0123.COMP	5	8:34	15:8:27.8	+68:11:49	300	90	3.0	#68 2MASS Reds	4	
0124.2M151147.5+635946	210	8:34	15:11:47.5	+63:59:46	300	90	3.0	#68 2MASS Reds	4	
0125.COMP	5	8:38	15:11:47.5	+63:59:46	300	90	3.0	#68 2MASS Reds	4	
0126.2M151252.7+660349	210	8:39	15:12:52.7	+66:3:49	300	90	3.0	#68 2MASS Reds	4	
0127.COMP	5	8:42	15:12:52.7	+66:3:49	300	90	3.0	#68 2MASS Reds	4	
0128.2M150844.7+553621	240	8:43	15:8:44.7	+55:36:21	300	90	3.0	#68 2MASS Reds	4	
0129.COMP	5	8:48	15:8:44.7	+55:36:21	300	90	3.0	#68 2MASS Reds	4	
0130.2M151103.8+370133	240	8:49	15:11:3.8	+37:1:33	300	90	3.0	#68 2MASS Reds	4	
0131.COMP	5	8:53	15:11:3.8	+37:1:33	300	90	3.0	#68 2MASS Reds	4	
0132.2M151638.8+410149	240	8:53	15:16:38.8	+41:1:49	300	90	3.0	#68 2MASS Reds	4	
0133.COMP	5	8:58	15:16:38.8	+41:1:49	300	90	3.0	#68 2MASS Reds	4	
0134.2M143612.9+785502	600	8:59	14:36:12.9	+78:55:2	300	90	3.0	#68 2MASS Reds	4	
0135.COMP	5	9:10	14:36:12.9	+78:55:2	300	90	3.0	#68 2MASS Reds	4	
0136.2M152634.5+750416	660	9:10	15:26:34.5	+75:4:16	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0137.COMP	5	9:22	15:26:34.5	+75:4:16	300	90	3.0	#68 2MASS Reds	4	
0138.2M154412.9+272351	480	9:25	15:44:12.9	+27:23:51	300	90	3.0	#68 2MASS Reds	4	
0139.COMP	5	9:34	15:44:12.9	+27:23:51	300	90	3.0	#68 2MASS Reds	4	
0140.2M154911.7+253705	420	9:34	15:49:11.7	+25:37:5	300	90	3.0	#68 2MASS Reds	4	
0141.COMP	5	9:42	15:49:11.7	+25:37:5	300	90	3.0	#68 2MASS Reds	4	
0142.2M154718.0+025724	210	9:43	15:47:18.0	+02:57:24	300	90	3.0	#68 2MASS Reds	4	
0143.COMP	5	9:46	15:47:18.0	+02:57:24	300	90	3.0	#68 2MASS Reds	4	
0144.2M161012.1+004701	240	9:47	16:10:12.1	+00:47:1	300	90	3.0	#68 2MASS Reds	4	
0145.COMP	5	9:51	16:10:12.1	+00:47:1	300	90	3.0	#68 2MASS Reds	4	
0146.2M155430.8+050009	300	9:52	15:54:30.8	+05:0:9	300	90	3.0	#68 2MASS Reds	4	
0147.COMP	5	9:57	15:54:30.8	+05:0:9	300	90	3.0	#68 2MASS Reds	4	
0148.2M155754.6+092435	210	9:58	15:57:54.6	+09:24:35	300	90	3.0	#68 2MASS Reds	4	
0149.COMP	5	10:02	15:57:54.6	+09:24:35	300	90	3.0	#68 2MASS Reds	4	
0150.2M160450.8+215923	330	10:03	16:4:50.8	+21:59:23	300	90	3.0	#68 2MASS Reds	4	
0151.COMP	5	10:08	16:4:50.8	+21:59:23	300	90	3.0	#68 2MASS Reds	4	
0152.2M160125.2+354918	390	10:09	16:1:25.2	+35:49:18	300	90	3.0	#68 2MASS Reds	4	
0153.COMP	5	10:16	16:1:25.2	+35:49:18	300	90	3.0	#68 2MASS Reds	4	
0154.2M160714.4+331908	300	10:17	16:7:14.4	+33:19:8	300	90	3.0	#68 2MASS Reds	4	
0155.COMP	5	10:23	16:7:14.4	+33:19:8	300	90	3.0	#68 2MASS Reds	4	
0156.2M160728.6+273150	240	10:24	16:7:28.6	+27:31:50	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0157.COMP	5	10:28	16:7:28.6	+27:31:50	300	90	3.0	#68 2MASS Reds	4	
0158.2M161257.0+304614	240	10:29	16:12:57.0	+30:46:14	300	90	3.0	#68 2MASS Reds	4	
0159.COMP	5	10:33	16:12:57.0	+30:46:14	300	90	3.0	#68 2MASS Reds	4	
0160.2M161454.2+371106	240	10:34	16:14:54.2	+37:11:6	300	90	3.0	#68 2MASS Reds	4	
0161.COMP	5	10:38	16:14:54.2	+37:11:6	300	90	3.0	#68 2MASS Reds	4	
0162.2M150847.8+832959	360	10:40	15:8:47.8	+83:29:59	300	90	3.0	#68 2MASS Reds	4	
0163.COMP	5	10:47	15:8:47.8	+83:29:59	300	90	3.0	#68 2MASS Reds	4	
0164.2M161553.2+602257	240	10:48	16:15:53.2	+60:22:57	300	90	3.0	#68 2MASS Reds	4	
0165.COMP	5	10:52	16:15:53.2	+60:22:57	300	90	3.0	#68 2MASS Reds	4	
0166.2M161757.7+563822	240	10:53	16:17:57.7	+56:38:22	300	90	3.0	#68 2MASS Reds	4	
0167.COMP	5	10:57	16:17:57.7	+56:38:22	300	90	3.0	#68 2MASS Reds	4	
0168.2M161717.6+400528	240	10:58	16:17:17.6	+40:5:28	300	90	3.0	#68 2MASS Reds	4	
0169.COMP	5	11:02	16:17:17.6	+40:5:28	300	90	3.0	#68 2MASS Reds	4	
0170.2M161824.8+205323	240	11:03	16:18:24.8	+20:53:23	300	90	3.0	#68 2MASS Reds	4	
0171.COMP	5	11:07	16:18:24.8	+20:53:23	300	90	3.0	#68 2MASS Reds	4	
0172.2M161938.7+405235	240	11:08	16:19:38.7	+40:52:35	300	90	3.0	#68 2MASS Reds	4	
0173.COMP	5	11:16	16:19:38.7	+40:52:35	300	90	3.0	#68 2MASS Reds	4	
0174.2M162745.6+410421	210	11:17	16:27:45.6	+41:4:21	300	90	3.0	#68 2MASS Reds	4	
0175.COMP	5	11:21	16:27:45.6	+41:4:21	300	90	3.0	#68 2MASS Reds	4	
0176.2M162748.7+560136	330	11:22	16:27:48.7	+56:1:36	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

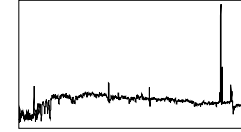
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0177.COMP	5	11:28	16:27:48.7	+56:1:36	300	90	3.0	#68 2MASS Reds	4	
0178.2M163015.9+243427	240	11:29	16:30:15.9	+24:34:27	300	90	3.0	#68 2MASS Reds	4	
0179.COMP	5	11:33	16:30:15.9	+24:34:27	300	90	3.0	#68 2MASS Reds	4	
0180.2M163213.3+021852	240	11:34	16:32:13.3	+02:18:52	300	90	3.0	#68 2MASS Reds	4	
0181.COMP	5	11:38	16:32:13.3	+02:18:52	300	90	3.0	#68 2MASS Reds	4	
0182.2M164136.6+005559	240	11:39	16:41:36.6	+00:55:59	300	90	3.0	#68 2MASS Reds	4	
0183.COMP	5	11:43	16:41:36.6	+00:55:59	300	90	3.0	#68 2MASS Reds	4	
0184.2M163759.9+073655	210	11:45	16:37:59.9	+07:36:55	300	90	3.0	#68 2MASS Reds	4	
0185.COMP	5	11:49	16:37:59.9	+07:36:55	300	90	3.0	#68 2MASS Reds	4	
0186.2M164220.8+070648	210	11:49	16:42:20.8	+07:6:48	300	90	3.0	#68 2MASS Reds	4	
0187.COMP	5	11:53	16:42:20.8	+07:6:48	300	90	3.0	#68 2MASS Reds	4	
0188.FineFoc	60	11:54	18:02:17.9	30:46:44	300	90	3.0	#68 2MASS Reds	1	
0189-0198.BIAS	0	12:00	18:02:17.9	30:46:44	300	90	3.0	#68 2MASS Reds	4	
0199-0208.FLAT	8	12:03	18:02:17.9	30:46:44	300	90	3.0	#68 2MASS Reds	4	
0209-0218.BIAS	0	12:06	18:02:17.9	30:46:44	300	90	3.0	#68 2MASS Reds	2	
0219-0228.FLAT	16	12:11	18:02:17.9	30:46:44	300	90	3.0	#68 2MASS Reds	2	
0229.COMP	5	12:15	18:38:42.1	+31:30:01	300	90	3.0	#68 2MASS Reds	4	
0230.DARK	900	12:20	18:59:36.0	+31:29:54	300	90	3.0	#68 2MASS Reds	4	
0231.DARK	900	12:36	19:14:46.8	+31:29:49	300	90	3.0	#68 2MASS Reds	4	
0232.DARK	900	12:51	19:30:01.5	+31:29:44	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0233.DARK	900	13:06	19:45:12.6	+31:29:39	300	90	3.0	#68 2MASS Reds	4	
0234.DARK	900	13:21	20:00:26.5	+31:29:34	300	90	3.0	#68 2MASS Reds	4	
0235.DARK	900	13:36	20:15:36.7	+31:29:29	300	90	3.0	#68 2MASS Reds	4	
0236.DARK	900	13:51	20:30:51.4	+31:29:25	300	90	3.0	#68 2MASS Reds	4	
0237.DARK	900	14:07	20:46:01.9	+31:29:20	300	90	3.0	#68 2MASS Reds	4	
0238.DARK	900	14:22	21:01:16.0	+31:29:16	300	90	3.0	#68 2MASS Reds	4	
0239.DARK	900	14:37	21:16:26.4	+31:29:11	300	90	3.0	#68 2MASS Reds	4	
0240.DARK	900	14:52	21:31:40.5	+31:29:07	300	90	3.0	#68 2MASS Reds	2	
0241.DARK	900	15:07	21:46:59.0	+31:29:04	300	90	3.0	#68 2MASS Reds	2	
0242.DARK	900	15:23	22:02:17.5	+31:29:00	300	90	3.0	#68 2MASS Reds	2	
0243.DARK	900	15:38	22:17:32.9	+31:28:57	300	90	3.0	#68 2MASS Reds	2	
0244.DARK	900	15:53	22:32:51.2	+31:28:54	300	90	3.0	#68 2MASS Reds	2	
0245.DARK	900	16:08	22:48:09.1	+31:28:51	300	90	3.0	#68 2MASS Reds	2	
0246.DARK	900	16:24	23:03:27.7	+31:28:49	300	90	3.0	#68 2MASS Reds	2	
0247.DARK	900	16:39	23:18:43.2	+31:28:46	300	90	3.0	#68 2MASS Reds	2	
0248.DARK	900	16:54	23:34:01.9	+31:28:45	300	90	3.0	#68 2MASS Reds	2	
0249.DARK	900	17:09	23:49:17.2	+31:28:43	300	90	3.0	#68 2MASS Reds	2	

UT Date 2004-04-19 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	1:12	07:38:08.3	+31:30:16	300	90	3.0	#0 Calibration	4	binby4 x10
0002-0010.BIAS	0	1:13	07:39:12.5	+31:30:16	300	90	3.0	#0 Calibration	4	
0011.BIAS	0	1:13	07:39:29.7	+31:30:16	300	90	3.0	#0 Calibration	2	binby2 x10
0012-0015.BIAS	0	1:14	07:40:24.2	+31:30:16	300	90	3.0	#0 Calibration	2	
0016-0020.BIAS	0	1:15	07:41:28.1	+31:30:17	300	90	3.0	#0 Calibration	2	
0021-0024.FLAT	16	1:26	07:52:35.9	+31:30:20	300	90	3.0	#0 Calibration	2	
0025-0030.FLAT	16	1:29	07:55:26.2	+31:30:21	300	90	3.0	#0 Calibration	2	
0031-0033.SKY	1	2:00	6:30:0	31:30:0	300	90	3.0	#57 Velocity S	2	
0034.COMP	10	2:00	6:30:0	31:30:0	300	90	3.0	#57 Velocity S	2	
0035.FineFoc	60	2:37	09:00:05.4	31:28:18	300	90	3.0	#56 Spectropho	1	seeing 1-2
0036.HD84937	15	2:47	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0037.HD84937	15	2:48	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0038.COMP	10	2:49	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0039.Feige34	150	2:53	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0040.Feige34	150	2:58	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0041.COMP	10	3:01	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0042.sn2004bg	1080	3:34	11:21:01.5	+21:20:23	300	-50	3.0	#2 SN Observat	2	
0043.COMP	10	3:52	11:21:01.5	+21:20:23	300	-50	3.0	#2 SN Observat	2	
0044.BIAS	0	4:03	11:25:39.1	+22:49:49	300	45	3.0	#2 SN Observat	2	
0045.BIAS	0	4:06	11:25:37.6	+22:53:56	300	45	3.0	#2 SN Observat	2	

UT Date 2004-04-19 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0046.BIAS	0	4:13	11:25:37.6	+22:53:56	300	45	3.0	#2 SN Observat	2	ok
0047.HD84937	15	4:29	09:48:56.1	13:44:39	300	40	3.0	#56 Spectropho	4	binby4 tiltpos=695
0048.COMP	5	4:29	09:48:56.1	13:44:39	300	40	3.0	#56 Spectropho	4	
0049.B20738+31	1200	4:38	07:41:10.7	+31:11:59	300	76	3.0	#151 AGN Emiss	4	
0050.COMP	5	4:57	07:41:10.7	+31:11:59	300	76	3.0	#151 AGN Emiss	4	
0051.4C23.24	1800	5:00	10:14:47.1	+23:01:15	300	76	3.0	#151 AGN Emiss	4	
0052.COMP	5	5:30	10:14:47.1	+23:01:15	300	76	3.0	#151 AGN Emiss	4	
0053.3C263	1200	5:37	11:39:57.1	+65:47:49	300	-10	3.0	#151 AGN Emiss	4	
0054.COMP	5	5:57	11:39:57.1	+65:47:49	300	-10	3.0	#151 AGN Emiss	4	
0055-0064.FLAT	8	6:00	11:39:57.1	+65:47:49	300	-10	3.0	#151 AGN Emiss	4	
0065.sn2004as	1200	6:05	11:25:39.1	+22:49:49	300	57	3.0	#2 SN Observat	2	did qfast in data dir
0066.COMP	10	6:26	11:25:39.1	+22:49:49	300	57	3.0	#2 SN Observat	2	
0067.sn2004bd	1200	6:29	11:39:42.1	+31:54:31	300	110	3.0	#2 SN Observat	2	did qfast in data dir
0068.COMP	10	6:49	11:39:42.1	+31:54:31	300	110	3.0	#2 SN Observat	2	
0069.BDp332642	40	6:55	15:50:03.0	33:05:49	300	95	5.0	#56 Spectropho	2	5 arcsec slit
0070.BDp332642	40	6:56	15:50:03.0	33:05:49	300	95	5.0	#56 Spectropho	2	
0071.BDp332642	40	6:57	15:50:03.0	33:05:49	300	95	5.0	#56 Spectropho	2	did qfast in data dir
0072.COMP	5	6:58	15:50:03.0	33:05:49	300	95	5.0	#56 Spectropho	2	
0073-0082.FLAT	7	7:02	15:50:03.0	33:05:49	300	95	5.0	#56 Spectropho	2	
0083.BDp332642	40	7:07	15:50:03.0	33:05:49	600	95	2.0	#56 Spectropho	4	600 line grating 2 arcsec slit

UT Date 2004-04-19 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0084.COMP	10	7:08	15:50:03.0	33:05:49	600	95	2.0	#56 Spectropho	4	
0085.hs2444	174	7:12	13:05:54.4	64:38:56	600	90	2.0	#122 Halo Star	4	
0086.COMP	10	7:15	13:05:54.4	64:38:56	600	90	2.0	#122 Halo Star	4	
0087.hs2447	324	7:16	13:06:29.1	65:00:57	600	90	2.0	#122 Halo Star	4	
0088.COMP	10	7:22	13:06:29.1	65:00:57	600	90	2.0	#122 Halo Star	4	
0089.hs2448	546	7:27	13:07:15.6	77:10:44	600	90	2.0	#122 Halo Star	4	
0090.COMP	10	7:36	13:07:15.6	77:10:44	600	90	2.0	#122 Halo Star	4	
0091.hs2442	552	7:38	13:05:37.3	73:30:18	600	90	2.0	#122 Halo Star	4	
0092.COMP	10	7:47	13:05:37.3	73:30:18	600	90	2.0	#122 Halo Star	4	
0093.hs2451	576	7:48	13:07:42.5	63:38:52	600	90	2.0	#122 Halo Star	4	
0094.COMP	5	7:58	13:07:42.5	63:38:52	600	90	2.0	#122 Halo Star	4	
0095.hs2450	318	7:59	13:07:39.7	56:56:04	600	90	2.0	#122 Halo Star	4	
0096.COMP	10	8:05	13:07:39.7	56:56:04	600	90	2.0	#122 Halo Star	4	
0097.hs2449	576	8:06	13:07:24.2	54:17:04	600	90	2.0	#122 Halo Star	4	
0098.COMP	5	8:16	13:07:24.2	54:17:04	600	90	2.0	#122 Halo Star	4	
0099.hs2446	180	8:17	13:06:17.8	52:06:12	600	90	2.0	#122 Halo Star	4	
0100.COMP	10	8:20	13:06:17.8	52:06:12	600	90	2.0	#122 Halo Star	4	
0101.hs2445	354	8:21	13:06:10.6	47:38:12	600	90	2.0	#122 Halo Star	4	
0102.COMP	10	8:27	13:06:10.6	47:38:12	600	90	2.0	#122 Halo Star	4	
0103.hs2452	390	8:28	13:07:48.3	43:31:32	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-19 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0104.COMP	10	8:35	13:07:48.3	43:31:32	600	90	2.0	#122 Halo Star	4	
0105.hs2443	486	8:37	13:05:48.1	37:18:56	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	8:45	13:05:48.1	37:18:56	600	90	2.0	#122 Halo Star	4	
0107.hs2710	280	8:54	14:52:45.9	80:05:32	600	90	2.0	#122 Halo Star	4	
0108.COMP	10	8:58	14:52:45.9	80:05:32	600	90	2.0	#122 Halo Star	4	
0109.hs2706	300	9:00	14:50:40.3	78:34:14	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	9:05	14:50:40.3	78:34:14	600	90	2.0	#122 Halo Star	4	
0111.hs2707	246	9:06	14:50:46.6	78:53:23	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	9:11	14:50:46.6	78:53:23	600	90	2.0	#122 Halo Star	4	
0113.hs2715	246	9:13	14:56:14.0	73:55:33	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	9:17	14:56:14.0	73:55:33	600	90	2.0	#122 Halo Star	4	
0115.hs2716	522	9:18	14:56:18.4	71:42:11	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	9:27	14:56:18.4	71:42:11	600	90	2.0	#122 Halo Star	4	
0117.hs2714	552	9:28	14:54:09.7	70:49:39	600	90	2.0	#122 Halo Star	4	clouds coming in
0118.COMP	5	9:38	14:54:09.7	70:49:39	600	90	2.0	#122 Halo Star	4	
0119.hs2720	400	9:39	14:57:55.1	69:15:37	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	9:46	14:57:55.1	69:15:37	600	90	2.0	#122 Halo Star	4	
0121.hs2717	420	9:48	14:56:20.4	64:56:49	600	90	2.0	#122 Halo Star	4	clouds getting thicker
0122.COMP	10	9:55	14:56:20.4	64:56:49	600	90	2.0	#122 Halo Star	4	
0123.hs2718	600	9:57	14:56:42.9	61:21:46	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-19 Observers W. BrownColl. Focus 1020 Grating/Grism 600

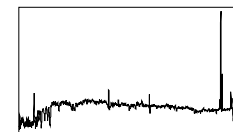
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0124.COMP	10	10:08	14:56:42.9	61:21:46	600	90	2.0	#122 Halo Star	4	
0125.hs2718	600	10:08	14:56:42.9	61:21:46	600	90	2.0	#122 Halo Star	4	heavy cloud cover
0126.hs2719	600	10:20	14:57:15.7	61:16:39	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	10:30	14:57:15.7	61:16:39	600	90	2.0	#122 Halo Star	4	
0129.FLAT	20	11:16	14:57:15.7	61:16:39	600	90	2.0	#122 Halo Star	4	x15
0130-0143.FLAT	20	11:23	14:57:15.7	61:16:39	600	90	2.0	#122 Halo Star	4	
0144.BIAS	0	11:26	14:57:15.7	61:16:39	600	90	2.0	#122 Halo Star	4	x10
0145-0153.BIAS	0	11:27	14:57:15.7	61:16:39	600	90	2.0	#122 Halo Star	4	
0154.BIAS	0	11:28	14:57:15.7	61:16:39	600	90	2.0	#0 Calibration	2	x10
0155-0163.BIAS	0	11:30	14:57:15.7	61:16:39	600	90	2.0	#0 Calibration	2	
0164-0173.DARK	900	13:52	14:57:15.7	61:16:39	600	90	2.0	#0 Calibration	4	
0174-0183.DARK	900	16:25	14:57:15.7	61:16:39	600	90	2.0	#0 Calibration	2	

UT Date 2004-04-20 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	1:07	07:36:42.0	+31:30:15	600	90	2.0	#0 Calibration	2	binby2 x10
0002-0004.BIAS	0	1:07	07:37:21.1	+31:30:15	600	90	2.0	#0 Calibration	2	
0005-0010.BIAS	0	1:09	07:38:37.8	+31:30:16	600	90	2.0	#0 Calibration	2	
0011.BIAS	0	1:09	07:39:16.6	+31:30:16	600	90	2.0	#0 Calibration	4	binby4 x10
0012-0020.BIAS	0	1:10	07:40:20.5	+31:30:16	600	90	2.0	#0 Calibration	4	
0021.FLAT	24	1:27	07:57:58.5	+31:30:22	600	90	2.0	#0 Calibration	4	x15
0022.FLAT	24	1:28	07:58:49.8	+31:30:22	600	90	2.0	#0 Calibration	4	
0023-0028.FLAT	24	1:31	08:01:56.3	+31:30:23	600	90	2.0	#0 Calibration	4	
0029-0034.FLAT	24	1:35	08:04:59.7	+31:30:24	600	90	2.0	#0 Calibration	4	
0035.FLAT	24	1:35	08:05:33.1	+31:30:25	600	90	2.0	#0 Calibration	4	
0036.SKY	2	2:05	6:30:0	31:30:0	600	90	2.0	#57 Velocity S	4	photometric
0037-0038.SKY	2	2:05	6:30:0	31:30:0	600	90	2.0	#57 Velocity S	4	
0039.FineFoc	60	2:27	09:00:05.4	31:28:18	600	90	2.0	#56 Spectropho	1	
0040.Fiege34	160	2:48	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0041.Fiege34	160	2:52	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0042.COMP	10	2:55	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0043.hs1922	240	2:57	11:29:17.1	44:48:21	600	90	2.0	#122 Halo Star	4	
0044.COMP	10	3:01	11:29:17.1	44:48:21	600	90	2.0	#122 Halo Star	4	
0045.hs1933	240	3:02	11:31:27.0	44:42:04	600	90	2.0	#122 Halo Star	4	
0046.COMP	10	3:06	11:31:27.0	44:42:04	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-20 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0047.hs1941	160	3:07	11:32:04.9	48:24:19	600	90	2.0	#122 Halo Star	4	
0048.COMP	10	3:10	11:32:04.9	48:24:19	600	90	2.0	#122 Halo Star	4	
0049.hs1942	396	3:11	11:32:06.1	44:30:28	600	90	2.0	#122 Halo Star	4	
0050.COMP	10	3:18	11:32:06.1	44:30:28	600	90	2.0	#122 Halo Star	4	
0051.hs1731	480	3:19	10:47:44.7	42:04:38	600	90	2.0	#122 Halo Star	4	
0052.COMP	10	3:27	10:47:44.7	42:04:38	600	90	2.0	#122 Halo Star	4	
0053.hs1919	530	3:29	11:29:03.7	32:16:43	600	90	2.0	#122 Halo Star	4	
0054.COMP	10	3:38	11:29:03.7	32:16:43	600	90	2.0	#122 Halo Star	4	
0055.hs1920	280	3:39	11:29:04.5	22:55:13	600	90	2.0	#122 Halo Star	4	
0056.COMP	10	3:44	11:29:04.5	22:55:13	600	90	2.0	#122 Halo Star	4	
0057.hs1930	160	3:45	11:30:46.7	22:30:07	600	90	2.0	#122 Halo Star	4	
0058.COMP	10	3:48	11:30:46.7	22:30:07	600	90	2.0	#122 Halo Star	4	
0059.hs1932	440	3:49	11:31:10.6	25:37:14	600	90	2.0	#122 Halo Star	4	
0060.COMP	10	3:57	11:31:10.6	25:37:14	600	90	2.0	#122 Halo Star	4	
0061.hs1935	240	3:58	11:31:28.8	28:37:40	600	90	2.0	#122 Halo Star	4	
0062.COMP	10	4:02	11:31:28.8	28:37:40	600	90	2.0	#122 Halo Star	4	
0063.hs1936	240	4:03	11:31:37.3	24:03:47	600	90	2.0	#122 Halo Star	4	
0064.COMP	10	4:07	11:31:37.3	24:03:47	600	90	2.0	#122 Halo Star	4	
0065.hs1928	440	4:08	11:30:07.5	22:59:40	600	90	2.0	#122 Halo Star	4	
0066.COMP	10	4:16	11:30:07.5	22:59:40	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-20 Observers W. BrownColl. Focus 1020 Grating/Grism 600

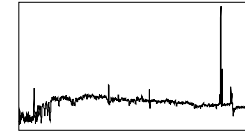
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.hs1924	330	4:16	11:29:50.8	16:58:46	600	90	2.0	#122 Halo Star	4	
0068.COMP	10	4:22	11:29:50.8	16:58:46	600	90	2.0	#122 Halo Star	4	
0069.hs1921	160	4:23	11:29:13.0	13:51:44	600	90	2.0	#122 Halo Star	4	
0070.COMP	10	4:26	11:29:13.0	13:51:44	600	90	2.0	#122 Halo Star	4	
0071.hs1926	380	4:27	11:29:58.5	16:53:12	600	90	2.0	#122 Halo Star	4	
0072.COMP	10	4:35	11:29:58.6	+16:53:08	600	90	2.0	#122 Halo Star	4	TCS died; restart Realtime
0073.hs1931	600	4:38	11:31:07.5	11:52:49	600	90	2.0	#122 Halo Star	4	
0074.COMP	10	4:48	11:31:07.5	11:52:49	600	90	2.0	#122 Halo Star	4	
0075.hs1934	190	4:49	11:31:28.6	10:38:47	600	90	2.0	#122 Halo Star	4	
0076.COMP	10	4:52	11:31:28.6	10:38:47	600	90	2.0	#122 Halo Star	4	
0077.hs1925	600	4:53	11:29:56.6	8:18:57	600	90	2.0	#122 Halo Star	4	
0078.COMP	10	5:04	11:29:56.6	8:18:57	600	90	2.0	#122 Halo Star	4	
0079.hs1939	480	5:04	11:32:03.4	6:55:09	600	90	2.0	#122 Halo Star	4	
0080.COMP	10	5:13	11:32:03.4	6:55:09	600	90	2.0	#122 Halo Star	4	
0081.hs1940	342	5:14	11:32:03.6	4:56:05	600	90	2.0	#122 Halo Star	4	
0082.COMP	10	5:20	11:32:03.6	4:56:05	600	90	2.0	#122 Halo Star	4	
0083.hs1949	222	5:20	11:33:42.2	5:58:14	600	90	2.0	#122 Halo Star	4	
0084.COMP	10	5:24	11:33:42.2	5:58:14	600	90	2.0	#122 Halo Star	4	
0085.hs1950	420	5:25	11:34:10.2	8:44:51	600	90	2.0	#122 Halo Star	4	
0086.COMP	10	5:32	11:34:10.2	8:44:51	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-20 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0087.hs1959	550	5:33	11:35:55.7	11:14:21	600	90	2.0	#122 Halo Star	4	
0088.COMP	10	5:43	11:35:55.7	11:14:21	600	90	2.0	#122 Halo Star	4	
0089.hs1944	340	5:44	11:32:27.3	15:17:31	600	90	2.0	#122 Halo Star	4	
0090.COMP	10	5:50	11:32:27.3	15:17:31	600	90	2.0	#122 Halo Star	4	
0091.hs1945	270	5:50	11:32:47.5	13:27:40	600	90	2.0	#122 Halo Star	4	
0092.COMP	10	5:55	11:32:47.5	13:27:40	600	90	2.0	#122 Halo Star	4	
0093.hs1947	192	6:00	11:33:02.6	11:56:53	600	90	2.0	#122 Halo Star	4	
0094.COMP	10	6:03	11:33:02.6	11:56:53	600	90	2.0	#122 Halo Star	4	
0095.hs1946	280	6:04	11:32:49.1	17:48:18	600	90	2.0	#122 Halo Star	4	
0096.COMP	10	6:09	11:32:49.1	17:48:18	600	90	2.0	#122 Halo Star	4	
0097.hs1963	252	6:10	11:36:25.6	18:07:54	600	90	2.0	#122 Halo Star	4	
0098.COMP	10	6:14	11:36:25.6	18:07:54	600	90	2.0	#122 Halo Star	4	
0099.hs1953	180	6:15	11:34:36.7	18:19:22	600	90	2.0	#122 Halo Star	4	
0100.COMP	10	6:18	11:34:36.7	18:19:22	600	90	2.0	#122 Halo Star	4	
0101.hs1946	300	6:19	11:32:49.1	17:48:18	600	90	2.0	#122 Halo Star	4	
0102.COMP	10	6:24	11:32:49.1	17:48:18	600	90	2.0	#122 Halo Star	4	
0103.hs1948	228	6:25	11:33:17.9	26:03:58	600	90	2.0	#122 Halo Star	4	
0104.COMP	10	6:29	11:33:17.9	26:03:58	600	90	2.0	#122 Halo Star	4	
0105.hs1958	390	6:30	11:35:40.7	26:34:13	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	6:37	11:35:40.7	26:34:13	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-20 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0107.hs1957	342	6:38	11:35:26.7	27:22:11	600	90	2.0	#122 Halo Star	4	
0108.COMP	10	6:44	11:35:26.7	27:22:11	600	90	2.0	#122 Halo Star	4	
0109.hs1943	444	6:45	11:32:23.4	38:32:01	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	6:53	11:32:23.4	38:32:01	600	90	2.0	#122 Halo Star	4	
0111.hs1937	510	6:54	11:31:39.1	31:12:48	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	7:02	11:31:39.1	31:12:48	600	90	2.0	#122 Halo Star	4	
0113.hs1938	360	7:03	11:31:55.0	31:58:11	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	7:10	11:31:55.0	31:58:11	600	90	2.0	#122 Halo Star	4	
0115.sn2004bi	1200	7:20	10:47:37.4	+26:18:12	300	70	3.0	#2 SN Observat	2	binby2, 3001, 3 slit, 619
0116.COMP	10	7:40	10:47:37.4	+26:18:12	300	70	3.0	#2 SN Observat	2	
0117.sn2004bg	1200	7:43	11:21:01.5	+21:20:23	300	66	3.0	#2 SN Observat	2	
0118.COMP	10	8:03	11:21:01.5	+21:20:23	300	66	3.0	#2 SN Observat	2	
0119.BDp332642	45	8:05	15:50:03.0	33:05:49	300	66	3.0	#56 Spectropho	2	
0120.BDp332642	45	8:06	15:50:03.0	33:05:49	300	66	3.0	#56 Spectropho	2	
0121.COMP	10	8:07	15:50:03.0	33:05:49	300	66	3.0	#56 Spectropho	2	
0122.sn2004ao	1200	8:13	17:28:09.3	+07:24:55	300	-51	3.0	#2 SN Observat	2	
0123.COMP	10	8:34	17:28:09.3	+07:24:55	300	-51	3.0	#2 SN Observat	2	
0124.BDp262606	40	8:36	14:49:02.3	+25:42:09	300	-51	3.0	#56 Spectropho	2	
0125.BDp262606	40	8:37	14:49:02.3	+25:42:09	300	-51	3.0	#56 Spectropho	2	
0126.COMP	10	8:38	14:49:02.3	+25:42:09	300	-51	3.0	#56 Spectropho	2	

UT Date 2004-04-20 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0127.FLAT	16	8:39	14:49:02.3	+25:42:09	300	-51	3.0	#56 Spectropho	2	x10
0128-0136.FLAT	16	8:43	14:49:02.3	+25:42:09	300	-51	3.0	#56 Spectropho	2	
0137.BDp262606	25	8:48	14:49:02.3	+25:42:09	300	-51	3.0	#56 Spectropho	4	binby4, 300l, 3 slit, 695
0138.COMP	5	8:49	14:49:02.3	+25:42:09	300	-51	3.0	#56 Spectropho	4	
0139.3C334	1500	8:53	16:20:21.9	+17:36:23	300	-30	3.0	#151 AGN Emiss	4	
0140.COMP	5	9:18	16:20:21.9	+17:36:23	300	-30	3.0	#151 AGN Emiss	4	
0141.4C28.45	1800	9:23	18:32:50.2	+28:33:35	300	103	3.0	#151 AGN Emiss	4	
0142.COMP	5	9:54	18:32:50.2	+28:33:35	300	103	3.0	#151 AGN Emiss	4	
0143.3C395	1800	9:58	19:02:55.9	+31:59:41	300	103	3.0	#151 AGN Emiss	4	
0144.COMP	5	10:28	19:02:55.9	+31:59:41	300	103	3.0	#151 AGN Emiss	4	
0145.FLAT	7	10:30	19:02:55.9	+31:59:41	300	103	3.0	#151 AGN Emiss	4	x10
0146-0154.FLAT	7	10:32	19:02:55.9	+31:59:41	300	103	3.0	#151 AGN Emiss	4	
0155.BDp262606	30	10:41	14:49:02.3	+25:42:09	300	70	3.0	#56 Spectropho	4	now tiltpos=740, using GG-495
0156.COMP	5	10:42	14:49:02.3	+25:42:09	300	70	3.0	#56 Spectropho	4	
0157.OU401	1500	10:46	18:01:32.4	+44:04:20	300	110	3.0	#151 AGN Emiss	4	
0158.COMP	5	11:11	18:01:32.4	+44:04:20	300	110	3.0	#151 AGN Emiss	4	
0159.OU401	1500	11:12	18:01:32.4	+44:04:20	300	110	3.0	#151 AGN Emiss	4	
0160.COMP	10	11:37	18:01:32.4	+44:04:20	300	110	3.0	#151 AGN Emiss	4	
0161.FLAT	7	11:38	18:01:32.4	+44:04:20	300	110	3.0	#56 Spectropho	4	x10
0162-0170.FLAT	7	11:40	18:01:32.4	+44:04:20	300	110	3.0	#56 Spectropho	4	

UT Date 2004-04-20 Observers W. BrownColl. 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>Bin</i>	<i>Comments</i>
0171.BIAS	0	11:45	18:01:32.4	+44:04:20	300	90	3.0	#0 Calibration	4	x10 (binby4 still)
0172-0180.BIAS	0	11:46	18:01:32.4	+44:04:20	300	90	3.0	#0 Calibration	4	
0181.BIAS	0	11:46	18:01:32.4	+44:04:20	300	90	3.0	#0 Calibration	2	x10 (binby2)
0182-0190.BIAS	0	11:48	18:01:32.4	+44:04:20	300	90	3.0	#0 Calibration	2	
0191-0200.DARK	900	14:09	18:01:32.4	+44:04:20	300	90	3.0	#0 Calibration	4	
0201-0210.DARK	900	16:41	18:01:32.4	+44:04:20	300	90	3.0	#0 Calibration	2	

UT Date 2004-04-21 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	1:26	18:01:32.4	+44:04:20	600	90	2.0	#0 Calibration	4	x10 binby4
0002-0010.BIAS	0	1:27	18:01:32.4	+44:04:20	600	90	2.0	#0 Calibration	4	
0011.FLAT	24	1:28	18:01:32.4	+44:04:20	600	90	2.0	#0 Calibration	4	x10
0012-0020.FLAT	24	1:32	18:01:32.4	+44:04:20	600	90	2.0	#0 Calibration	4	
0021.SKY	2	2:06	6:30:0	31:30:0	600	90	2.0	#57 Velocity S	4	clear
0022.SKY	2	2:06	6:30:0	31:30:0	600	90	2.0	#57 Velocity S	4	though cirrus on SW and N horizons
0023.SKY	2	2:06	6:30:0	31:30:0	600	90	2.0	#57 Velocity S	4	
0024.FineFoc	60	2:32	09:00:05.4	31:28:18	600	90	2.0	#57 Velocity S	1	seeing 1.6 arcsec
0025.Feige34	160	2:48	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	600l, 2 slit, tilt 440
0026.COMP	10	2:51	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0027.hs1956	240	2:56	11:35:25.8	30:43:18	600	90	2.0	#122 Halo Star	4	
0028.COMP	10	3:01	11:35:25.8	30:43:18	600	90	2.0	#122 Halo Star	4	
0029.hs1965	192	3:02	11:37:05.1	29:47:58	600	90	2.0	#122 Halo Star	4	
0030.COMP	10	3:05	11:37:05.1	29:47:58	600	90	2.0	#122 Halo Star	4	
0031.hs1975	170	3:06	11:38:59.1	25:39:56	600	90	2.0	#122 Halo Star	4	
0032.COMP	10	3:09	11:38:59.1	25:39:56	600	90	2.0	#122 Halo Star	4	
0033.hs1976	330	3:10	11:39:03.0	32:01:02	600	90	1.5	#122 Halo Star	4	
0034.COMP	10	3:16	11:39:03.0	32:01:02	600	90	1.5	#122 Halo Star	4	
0035.hs1962	216	3:17	11:36:24.3	39:29:33	600	90	1.5	#122 Halo Star	4	
0036.COMP	10	3:21	11:36:24.3	39:29:33	600	90	1.5	#122 Halo Star	4	

UT Date 2004-04-21 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0037.hs1952	504	3:22	11:34:25.0	30:12:05	600	90	1.5	#122 Halo Star	4	
0038.COMP	10	3:31	11:34:25.0	30:12:05	600	90	1.5	#122 Halo Star	4	
0039.hs1967	546	3:32	11:37:29.6	30:57:42	600	90	1.5	#122 Halo Star	4	
0040.COMP	10	3:41	11:37:29.6	30:57:42	600	90	1.5	#122 Halo Star	4	
0041.hs1969	546	3:42	11:38:06.9	30:14:55	600	90	1.5	#122 Halo Star	4	
0042.COMP	10	3:51	11:38:06.9	30:14:55	600	90	1.5	#122 Halo Star	4	
0043.hs1961	474	3:52	11:36:17.4	51:25:34	600	90	1.5	#122 Halo Star	4	
0044.COMP	10	4:01	11:36:17.4	51:25:34	600	90	1.5	#122 Halo Star	4	
0045.hs1954	594	4:01	11:34:40.3	51:41:25	600	90	1.5	#122 Halo Star	4	
0046.COMP	10	4:11	11:34:40.3	51:41:25	600	90	1.5	#122 Halo Star	4	
0047.hs1929	246	4:12	11:30:33.3	66:53:32	600	90	1.5	#122 Halo Star	4	
0048.COMP	10	4:17	11:30:33.3	66:53:32	600	90	1.5	#122 Halo Star	4	
0049.hs1955	180	4:18	11:35:21.1	70:06:25	600	90	1.5	#122 Halo Star	4	
0050.COMP	10	4:21	11:35:21.1	70:06:25	600	90	1.5	#122 Halo Star	4	
0051.hs1966	210	4:22	11:37:18.1	71:47:34	600	90	1.5	#122 Halo Star	4	
0052.COMP	10	4:26	11:37:18.1	71:47:34	600	90	1.5	#122 Halo Star	4	
0053.hs1951	480	4:27	11:34:12.6	72:09:41	600	90	1.5	#122 Halo Star	4	
0054.COMP	10	4:35	11:34:12.6	72:09:41	600	90	1.5	#122 Halo Star	4	
0055.hs1964	246	4:36	11:36:36.3	74:58:29	600	90	1.5	#122 Halo Star	4	
0056.COMP	10	4:41	11:36:36.3	74:58:29	600	90	1.5	#122 Halo Star	4	

UT Date 2004-04-21 Observers W. BrownColl. Focus 1020 Grating/Grism 600

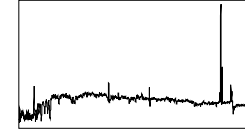
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.hs1927	168	4:41	11:30:06.1	75:26:15	600	90	1.5	#122 Halo Star	4	
0058.COMP	10	4:44	11:30:06.1	75:26:15	600	90	1.5	#122 Halo Star	4	
0059.hs1968	324	4:46	11:37:35.9	75:27:36	600	90	1.5	#122 Halo Star	4	
0060.COMP	10	4:52	11:37:35.9	75:27:36	600	90	1.5	#122 Halo Star	4	
0061.hs1960	360	4:53	11:36:06.1	80:21:05	600	90	1.5	#122 Halo Star	4	
0062.COMP	10	4:59	11:36:06.1	80:21:05	600	90	1.5	#122 Halo Star	4	
0063.hs2018	360	5:00	11:45:43.9	81:10:02	600	90	1.5	#122 Halo Star	4	
0064.COMP	10	5:06	11:45:43.9	81:10:02	600	90	1.5	#122 Halo Star	4	
0065.hs2003	258	5:07	11:43:23.6	79:50:01	600	90	1.5	#122 Halo Star	4	
0066.COMP	10	5:12	11:43:23.6	79:50:01	600	90	1.5	#122 Halo Star	4	
0067.hs2001	234	5:13	11:43:04.5	78:45:27	600	90	1.5	#122 Halo Star	4	
0068.COMP	10	5:17	11:43:04.5	78:45:27	600	90	1.5	#122 Halo Star	4	
0069.hs1994	168	5:18	11:41:27.1	76:51:56	600	90	1.5	#122 Halo Star	4	
0070.COMP	10	5:21	11:41:27.1	76:51:56	600	90	1.5	#122 Halo Star	4	
0071.hs2006	210	5:21	11:44:03.2	75:19:36	600	90	1.5	#122 Halo Star	4	
0072.COMP	10	5:25	11:44:03.2	75:19:36	600	90	1.5	#122 Halo Star	4	
0073.hs2014	522	5:26	11:45:07.0	72:37:42	600	90	1.5	#122 Halo Star	4	
0074.COMP	10	5:35	11:45:07.0	72:37:42	600	90	1.5	#122 Halo Star	4	
0075.hs2000	312	5:36	11:42:27.5	70:08:59	600	90	1.5	#122 Halo Star	4	
0076.COMP	10	5:41	11:42:27.5	70:08:59	600	90	1.5	#122 Halo Star	4	

UT Date 2004-04-21 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0077.hs2005	190	5:42	11:43:45.1	69:04:56	600	90	1.5	#122 Halo Star	4	
0078.COMP	10	5:45	11:43:45.1	69:04:56	600	90	1.5	#122 Halo Star	4	
0079.hs2008	210	5:46	11:44:25.8	68:12:48	600	90	1.5	#122 Halo Star	4	
0080.COMP	10	5:50	11:44:25.8	68:12:48	600	90	1.5	#122 Halo Star	4	
0081.hs2026	230	5:51	11:46:56.5	64:20:05	600	90	1.5	#122 Halo Star	4	
0082.COMP	10	5:55	11:46:56.5	64:20:05	600	90	1.5	#122 Halo Star	4	
0083.hs2024	222	5:56	11:46:31.4	54:07:57	600	90	1.5	#122 Halo Star	4	
0084.COMP	10	6:00	11:46:31.4	54:07:57	600	90	1.5	#122 Halo Star	4	
0085.hs1991	240	6:01	11:41:03.7	52:23:56	600	90	1.5	#122 Halo Star	4	
0086.COMP	10	6:05	11:41:03.7	52:23:56	600	90	1.5	#122 Halo Star	4	
0087.hs1996	220	6:06	11:41:47.7	47:42:48	600	90	1.5	#122 Halo Star	4	
0088.COMP	10	6:10	11:41:47.7	47:42:48	600	90	1.5	#122 Halo Star	4	
0089.hs2019	582	6:12	11:45:47.4	46:41:23	600	90	1.5	#122 Halo Star	4	
0090.COMP	10	6:22	11:45:47.4	46:41:23	600	90	1.5	#122 Halo Star	4	
0091.hs1974	430	6:23	11:38:47.2	45:36:04	600	90	1.5	#122 Halo Star	4	
0092.COMP	10	6:30	11:38:47.2	45:36:04	600	90	1.5	#122 Halo Star	4	
0093.hs1973	260	6:31	11:38:43.3	44:47:48	600	90	1.5	#122 Halo Star	4	
0094.COMP	10	6:35	11:38:43.3	44:47:48	600	90	1.5	#122 Halo Star	4	
0095.hs1971	420	6:36	11:38:31.5	43:15:32	600	90	1.5	#122 Halo Star	4	
0096.COMP	10	6:43	11:38:31.5	43:15:32	600	90	1.5	#122 Halo Star	4	

UT Date 2004-04-21 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0097.hs1972	350	6:45	11:38:31.9	21:18:55	600	90	1.5	#122 Halo Star	4	
0098.COMP	10	6:51	11:38:31.9	21:18:55	600	90	1.5	#122 Halo Star	4	
0099.hs1970	445	6:52	11:38:30.8	23:03:56	600	90	1.5	#122 Halo Star	4	
0100.COMP	10	7:00	11:38:30.8	23:03:56	600	90	1.5	#122 Halo Star	4	
0101.hs1990	160	7:00	11:40:57.3	24:15:04	600	90	1.5	#122 Halo Star	4	
0102.COMP	10	7:03	11:40:57.3	24:15:04	600	90	1.5	#122 Halo Star	4	
0103.hs1998	360	7:04	11:42:15.7	27:33:04	600	90	1.5	#122 Halo Star	4	
0104.COMP	10	7:10	11:42:15.7	27:33:04	600	90	1.5	#122 Halo Star	4	
0105.hs1985	320	7:11	11:40:23.3	42:42:04	600	90	1.5	#122 Halo Star	4	
0106.COMP	10	7:17	11:40:23.3	42:42:04	600	90	1.5	#122 Halo Star	4	
0107.hs1993	360	7:18	11:41:17.7	39:53:46	600	90	1.5	#122 Halo Star	4	
0108.COMP	10	7:24	11:41:17.7	39:53:46	600	90	1.5	#122 Halo Star	4	
0109.hs1997	606	7:25	11:41:53.0	36:29:23	600	90	1.5	#122 Halo Star	4	
0110.COMP	10	7:35	11:41:53.0	36:29:23	600	90	1.5	#122 Halo Star	4	
0111.hs2004	900	7:37	11:43:35.0	37:37:28	600	90	1.5	#122 Halo Star	4	
0112.COMP	10	7:52	11:43:35.0	37:37:28	600	90	1.5	#122 Halo Star	4	
0113.hs1999	600	7:53	11:42:24.6	37:47:03	600	90	3.0	#122 Halo Star	4	
0114.COMP	10	8:03	11:42:24.6	37:47:03	600	90	3.0	#122 Halo Star	4	
0115.hs2673	420	8:06	14:29:17.3	79:42:30	600	90	3.0	#122 Halo Star	4	
0116.COMP	10	8:14	14:29:17.3	79:42:30	600	90	3.0	#122 Halo Star	4	

UT Date 2004-04-21 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0117.hs2666	210	8:14	14:25:21.0	76:23:44	600	90	3.0	#122 Halo Star	4	
0118.COMP	10	8:18	14:25:21.0	76:23:44	600	90	3.0	#122 Halo Star	4	
0119.hs2660	500	8:19	14:21:50.8	76:11:01	600	90	3.0	#122 Halo Star	4	
0120.COMP	10	8:28	14:21:50.8	76:11:01	600	90	3.0	#122 Halo Star	4	
0121.hs2672	460	8:29	14:28:36.2	75:15:43	600	90	3.0	#122 Halo Star	4	
0122.COMP	10	8:37	14:28:36.2	75:15:43	600	90	3.0	#122 Halo Star	4	
0123.hs2664	570	8:38	14:23:42.2	69:54:44	600	90	3.0	#122 Halo Star	4	
0124.COMP	10	8:47	14:23:42.2	69:54:44	600	90	3.0	#122 Halo Star	4	
0125.hs2667	270	8:48	14:26:00.9	66:22:54	600	90	3.0	#122 Halo Star	4	
0126.COMP	10	8:53	14:26:00.9	66:22:54	600	90	3.0	#122 Halo Star	4	
0127.hs2674	324	8:54	14:29:57.1	65:00:25	600	90	3.0	#122 Halo Star	4	
0128.COMP	10	9:00	14:29:57.1	65:00:25	600	90	3.0	#122 Halo Star	4	
0129.hs2663	486	9:01	14:22:46.2	70:41:20	600	90	3.0	#122 Halo Star	4	
0130.COMP	10	9:09	14:22:46.2	70:41:20	600	90	3.0	#122 Halo Star	4	
0131.hs2659	312	9:10	14:20:36.1	70:30:09	600	90	3.0	#122 Halo Star	4	
0132.COMP	10	9:16	14:20:36.1	70:30:09	600	90	3.0	#122 Halo Star	4	
0133.hs2675	414	9:18	14:30:10.3	62:35:07	600	90	3.0	#122 Halo Star	4	
0134.COMP	10	9:25	14:30:10.3	62:35:07	600	90	3.0	#122 Halo Star	4	
0135.hs2669	474	9:26	14:26:26.2	57:00:09	600	90	3.0	#122 Halo Star	4	
0136.COMP	10	9:34	14:26:26.2	57:00:09	600	90	3.0	#122 Halo Star	4	

UT Date 2004-04-21 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0137.hs2665	330	9:36	14:23:47.7	56:35:40	600	90	3.0	#122 Halo Star	4	
0138.COMP	10	9:42	14:23:47.7	56:35:40	600	90	3.0	#122 Halo Star	4	
0139.hs2668	324	9:43	14:26:08.5	55:21:55	600	90	3.0	#122 Halo Star	4	
0140.COMP	10	9:48	14:26:08.5	55:21:55	600	90	3.0	#122 Halo Star	4	
0141.hs2671	588	9:49	14:27:27.9	52:59:43	600	90	3.0	#122 Halo Star	4	
0142.COMP	10	9:59	14:27:27.9	52:59:43	600	90	3.0	#122 Halo Star	4	
0143.hs2684	520	10:00	14:34:19.1	53:19:16	600	90	3.0	#122 Halo Star	4	
0144.COMP	10	10:09	14:34:19.1	53:19:16	600	90	3.0	#122 Halo Star	4	
0145.hs2662	456	10:10	14:22:01.2	52:41:10	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	10:18	14:22:01.2	52:41:10	600	90	2.0	#122 Halo Star	4	
0147.hs2676	330	10:18	14:30:16.8	52:43:55	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	10:24	14:30:16.8	52:43:55	600	90	2.0	#122 Halo Star	4	
0149.hs2661	402	10:25	14:22:01.0	51:13:37	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	10:32	14:22:01.0	51:13:37	600	90	2.0	#122 Halo Star	4	
0151.hs2670	258	10:33	14:27:18.2	52:33:55	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	10:37	14:27:18.2	52:33:55	600	90	2.0	#122 Halo Star	4	
0153.hs2658	348	10:38	14:20:29.4	48:57:23	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	10:44	14:20:29.4	48:57:23	600	90	2.0	#122 Halo Star	4	
0155.hs2711	594	10:45	14:53:20.2	59:05:15	600	90	2.0	#122 Halo Star	4	
0156.COMP	10	10:55	14:53:20.2	59:05:15	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-21 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0157.hs2712	180	10:56	14:53:27.2	66:15:12	600	90	2.0	#122 Halo Star	4	
0158.COMP	10	10:59	14:53:27.2	66:15:12	600	90	2.0	#122 Halo Star	4	
0159.hs2721	500	11:00	14:58:04.8	66:41:05	600	90	2.0	#122 Halo Star	4	
0160.COMP	10	11:09	14:58:04.8	66:41:05	600	90	2.0	#122 Halo Star	4	
0161.hs2722	348	11:10	14:59:50.7	62:10:25	600	90	2.0	#122 Halo Star	4	
0162.COMP	10	11:16	14:59:50.7	62:10:25	600	90	2.0	#122 Halo Star	4	
0163.hs2704	516	11:18	14:50:12.6	58:25:35	600	90	2.0	#122 Halo Star	4	
0164.COMP	10	11:27	14:50:12.6	58:25:35	600	90	2.0	#122 Halo Star	4	
0165.hs2705	500	11:27	14:50:38.5	57:35:16	600	90	2.0	#122 Halo Star	4	
0166.COMP	10	11:36	14:50:38.5	57:35:16	600	90	2.0	#122 Halo Star	4	
0167.hs2708	276	11:37	14:51:16.7	55:36:45	600	90	2.0	#122 Halo Star	4	
0168.COMP	10	11:42	14:51:16.7	55:36:45	600	90	2.0	#122 Halo Star	4	
0169.hs2709	258	11:43	14:51:56.3	56:46:30	600	90	2.0	#122 Halo Star	4	
0170.COMP	10	11:47	14:51:56.3	56:46:30	600	90	2.0	#122 Halo Star	4	
0171.hs2713	180	11:48	14:53:44.1	57:01:05	600	90	2.0	#122 Halo Star	4	
0172.COMP	10	11:51	14:53:44.1	57:01:05	600	90	2.0	#122 Halo Star	4	
0173.BDp332642	60	11:53	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0174.COMP	10	11:55	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0175.FLAT	24	11:58	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	x10
0176-0184.FLAT	24	12:02	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	



UT Date 2004-04-21 Observers W. Brown

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>Bin</i>	<i>Comments</i>
0185.BIAS	0	12:03	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	x10
0186-0194.BIAS	0	12:04	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0195.DARK	900	12:05	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	x10
0196-0204.DARK	900	14:21	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	

UT Date 2004-04-22 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	1:18	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	x10
0002-0010.BIAS	0	1:19	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0011.FLAT	24	1:21	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	x15
0012-0025.FLAT	24	1:28	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0026-0027.SKY	3	2:08	9:0:0	31:30:0	600	90	2.0	#57 Velocity S	4	
0028.SKY	4	2:08	9:0:0	31:30:0	600	90	2.0	#57 Velocity S	4	
0029.FineFoc	60	2:29	09:00:05.4	31:28:18	600	90	2.0	#56 Spectropho	1	
0030.Feige34	180	2:46	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0031.COMP	10	2:49	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0032.hs2020	200	2:54	11:45:49.9	31:49:27	600	90	2.0	#122 Halo Star	4	
0033.COMP	10	2:58	11:45:49.9	31:49:27	600	90	2.0	#122 Halo Star	4	
0034.hs2027	200	2:59	11:47:03.3	32:01:37	600	90	2.0	#122 Halo Star	4	
0035.COMP	10	3:03	11:47:03.3	32:01:37	600	90	2.0	#122 Halo Star	4	
0036.hs2028	246	3:03	11:47:05.2	29:33:59	600	90	2.0	#122 Halo Star	4	
0037.COMP	10	3:08	11:47:05.2	29:33:59	600	90	2.0	#122 Halo Star	4	
0038.hs2009	160	3:08	11:44:37.9	23:47:51	600	90	2.0	#122 Halo Star	4	
0039.COMP	10	3:11	11:44:37.9	23:47:51	600	90	2.0	#122 Halo Star	4	
0040.hs2015	318	3:12	11:45:10.5	25:39:03	600	90	2.0	#122 Halo Star	4	
0041.COMP	10	3:18	11:45:10.5	25:39:03	600	90	2.0	#122 Halo Star	4	
0042.hs2011	380	3:19	11:44:50.7	28:37:30	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-22 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0043.COMP	10	3:25	11:44:50.7	28:37:30	600	90	2.0	#122 Halo Star	4	
0044.hs1980	520	3:26	11:39:24.1	32:50:42	600	90	2.0	#122 Halo Star	4	
0045.COMP	10	3:35	11:39:24.1	32:50:42	600	90	2.0	#122 Halo Star	4	
0046.hs1978	420	3:36	11:39:18.3	38:53:54	600	90	2.0	#122 Halo Star	4	
0047.COMP	10	3:43	11:39:18.3	38:53:54	600	90	2.0	#122 Halo Star	4	
0048.hs1984	410	3:44	11:40:22.5	18:04:26	600	90	2.0	#122 Halo Star	4	
0049.COMP	10	3:51	11:40:22.5	18:04:26	600	90	2.0	#122 Halo Star	4	
0050.hs1989	252	3:52	11:40:55.5	18:44:11	600	90	2.0	#122 Halo Star	4	
0051.COMP	10	3:56	11:40:55.5	18:44:11	600	90	2.0	#122 Halo Star	4	
0052.hs1982	160	3:57	11:39:36.0	17:00:10	600	90	2.0	#122 Halo Star	4	
0053.COMP	10	4:00	11:39:36.0	17:00:10	600	90	2.0	#122 Halo Star	4	
0054.hs1983	150	4:00	11:39:45.8	15:47:40	600	90	2.0	#122 Halo Star	4	
0055.COMP	10	4:03	11:39:45.8	15:47:40	600	90	2.0	#122 Halo Star	4	
0056.hs1979	570	4:04	11:39:22.8	15:30:57	600	90	2.0	#122 Halo Star	4	
0057.COMP	10	4:14	11:39:22.8	15:30:57	600	90	2.0	#122 Halo Star	4	
0058.hs2002	210	4:15	11:43:07.6	8:42:53	600	90	2.0	#122 Halo Star	4	
0059.COMP	10	4:19	11:43:07.6	8:42:53	600	90	2.0	#122 Halo Star	4	
0060.hs1977	600	4:20	11:39:18.0	13:00:55	600	90	2.0	#122 Halo Star	4	
0061.COMP	10	4:30	11:39:18.0	13:00:55	600	90	2.0	#122 Halo Star	4	
0062.hs1986	410	4:31	11:40:26.9	7:29:13	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-22 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0063.COMP	10	4:38	11:40:26.9	7:29:13	600	90	2.0	#122 Halo Star	4	
0064.hs1981	522	4:38	11:39:24.2	4:26:17	600	90	2.0	#122 Halo Star	4	
0065.COMP	10	4:48	11:39:24.2	4:26:17	600	90	2.0	#122 Halo Star	4	
0066.hs1987	210	4:49	11:40:32.8	4:38:51	600	90	2.0	#122 Halo Star	4	
0067.COMP	10	4:53	11:40:32.8	4:38:51	600	90	2.0	#122 Halo Star	4	
0068.hs1995	264	4:54	11:41:32.7	2:39:07	600	90	2.0	#122 Halo Star	4	
0069.COMP	10	4:59	11:41:32.7	2:39:07	600	90	2.0	#122 Halo Star	4	
0070.hs2007	396	4:59	11:44:06.9	3:44:50	600	90	2.0	#122 Halo Star	4	
0071.COMP	10	5:06	11:44:06.9	3:44:50	600	90	2.0	#122 Halo Star	4	
0072.hs2012	216	5:07	11:44:54.5	3:15:50	600	90	2.0	#122 Halo Star	4	
0073.COMP	10	5:11	11:44:54.5	3:15:50	600	90	2.0	#122 Halo Star	4	
0074.hs2030	444	5:11	11:47:17.5	4:47:46	600	90	2.0	#122 Halo Star	4	
0075.COMP	10	5:19	11:47:17.5	4:47:46	600	90	2.0	#122 Halo Star	4	
0076.hs2036	312	5:20	11:48:12.9	1:33:13	600	90	2.0	#122 Halo Star	4	
0077.COMP	10	5:25	11:48:12.9	1:33:13	600	90	2.0	#122 Halo Star	4	
0078.hs2016	384	5:26	11:45:12.2	7:51:13	600	90	2.0	#122 Halo Star	4	
0079.COMP	10	5:33	11:45:12.2	7:51:13	600	90	2.0	#122 Halo Star	4	
0080.hs2043	282	5:34	11:49:32.4	2:37:08	600	90	2.0	#122 Halo Star	4	
0081.COMP	10	5:39	11:49:32.4	2:37:08	600	90	2.0	#122 Halo Star	4	
0082.hs2050	160	5:39	11:51:13.0	4:24:49	600	90	2.0	#122 Halo Star	4	



UT Date 2004-04-22 Observers W. Brown

Coll. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0083.COMP	10	5:42	11:51:13.0	4:24:49	600	90	2.0	#122 Halo Star	4	
0084.hs2055	528	5:43	11:51:45.4	3:44:01	600	90	2.0	#122 Halo Star	4	
0085.COMP	10	5:52	11:51:45.4	3:44:01	600	90	2.0	#122 Halo Star	4	
0086.hs2059	170	5:53	11:52:29.8	4:30:44	600	90	2.0	#122 Halo Star	4	
0087.COMP	10	5:56	11:52:29.8	4:30:44	600	90	2.0	#122 Halo Star	4	
0088.hs2013	366	5:56	11:45:00.2	9:35:29	600	90	2.0	#122 Halo Star	4	
0089.COMP	10	6:03	11:45:00.2	9:35:29	600	90	2.0	#122 Halo Star	4	
0090.hs2010	318	6:04	11:44:40.0	12:14:20	600	90	2.0	#122 Halo Star	4	
0091.COMP	10	6:09	11:44:40.0	12:14:20	600	90	2.0	#122 Halo Star	4	
0092.hs1992	210	6:10	11:41:12.0	15:10:41	600	90	2.0	#122 Halo Star	4	
0093.COMP	10	6:14	11:41:12.0	15:10:41	600	90	2.0	#122 Halo Star	4	
0094.hs2017	354	6:14	11:45:41.6	22:12:43	600	90	2.0	#122 Halo Star	4	
0095.COMP	10	6:21	11:45:41.6	22:12:43	600	90	2.0	#122 Halo Star	4	
0096.hs2023	600	6:22	11:46:31.4	46:46:32	600	90	2.0	#122 Halo Star	4	
0097.COMP	10	6:33	11:46:31.4	46:46:32	600	90	2.0	#122 Halo Star	4	
0098.hs2021	576	6:33	11:46:09.5	42:44:43	600	90	2.0	#122 Halo Star	4	
0099.COMP	10	6:43	11:46:09.5	42:44:43	600	90	2.0	#122 Halo Star	4	
0100.hs1988	468	6:44	11:40:49.9	39:51:06	600	90	2.0	#122 Halo Star	4	
0101.COMP	10	6:52	11:40:49.9	39:51:06	600	90	2.0	#122 Halo Star	4	
0102.hs2022	504	6:53	11:46:18.0	40:54:11	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-22 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0103.COMP	10	7:02	11:46:18.0	40:54:11	600	90	2.0	#122 Halo Star	4	
0104.hs2033	258	7:03	11:47:45.1	9:34:34	600	90	2.0	#122 Halo Star	4	
0105.COMP	10	7:08	11:47:45.1	9:34:34	600	90	2.0	#122 Halo Star	4	
0106.hs2032	300	7:08	11:47:30.6	14:41:16	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	7:14	11:47:30.6	14:41:16	600	90	2.0	#122 Halo Star	4	
0108.hs2031	384	7:14	11:47:29.4	18:29:41	600	90	2.0	#122 Halo Star	4	
0109.COMP	10	7:21	11:47:29.4	18:29:41	600	90	2.0	#122 Halo Star	4	
0110.hs2034	234	7:22	11:47:54.6	15:51:22	600	90	2.0	#122 Halo Star	4	
0111.COMP	10	7:26	11:47:54.6	15:51:22	600	90	2.0	#122 Halo Star	4	
0112.hs2025	330	7:27	11:46:45.5	38:42:14	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	7:33	11:46:45.5	38:42:14	600	90	2.0	#122 Halo Star	4	
0114.sn2004as	1200	7:42	11:25:39.1	+22:49:49	300	67	3.0	#2 SN Observat	2	now 3001, tilt 619, 3 slit, binby2
0115.COMP	10	8:02	11:25:39.1	+22:49:49	300	67	3.0	#2 SN Observat	2	seeing is 3; this sn was tough
0116.sn2004aw	1200	8:03	11:57:50.2	+25:15:55	300	67	3.0	#2 SN Observat	2	
0117.COMP	10	8:24	11:57:50.2	+25:15:55	300	67	3.0	#2 SN Observat	2	
0118.sn2004bd	1200	8:27	11:39:42.1	+31:54:31	300	76	3.0	#2 SN Observat	2	
0119.COMP	10	8:48	11:39:42.1	+31:54:31	300	76	3.0	#2 SN Observat	2	
0120.BDp262606	40	8:49	14:49:02.3	+25:42:09	300	76	3.0	#56 Spectropho	2	
0121.COMP	10	8:50	14:49:02.3	+25:42:09	300	76	3.0	#56 Spectropho	2	
0122.BDp332642	60	8:52	15:50:03.0	33:05:49	300	76	3.0	#56 Spectropho	2	

UT Date 2004-04-22 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0123.COMP	10	8:53	15:50:03.0	33:05:49	300	76	3.0	#56 Spectropho	2	
0124.BDp332642	45	8:54	15:50:03.0	33:05:49	300	76	3.0	#56 Spectropho	4	now binby4
0125.COMP	5	8:55	15:50:03.0	33:05:49	300	76	3.0	#56 Spectropho	4	
0126.131830p09140_a	720	8:57	13:20:59.6	8:58:42	300	27	3.0	#113 Interacti	4	
0127.COMP	5	9:10	13:20:59.6	8:58:42	300	27	3.0	#113 Interacti	4	
0128.162354p13170_a	1080	9:13	16:26:17.5	13:11:29	300	-20	3.0	#113 Interacti	4	
0129.COMP	5	9:31	16:26:17.5	13:11:29	300	-20	3.0	#113 Interacti	4	
0130.141324p36270_b	1500	9:34	14:15:48.2	36:13:2	300	-20	3.0	#113 Interacti	4	
0131.COMP	5	9:59	14:15:48.2	36:13:2	300	-20	3.0	#113 Interacti	4	
0132.142954p36310_c	1200	10:04	14:32:17.1	36:20:30	300	16	3.0	#113 Interacti	4	
0133.COMP	5	10:24	14:32:17.1	36:20:30	300	16	3.0	#113 Interacti	4	
0134.142954p36310_c	1200	10:24	14:32:17.1	36:20:30	300	16	3.0	#113 Interacti	4	
0135.COMP	5	10:45	14:32:17.1	36:20:30	300	16	3.0	#113 Interacti	4	
0136.160048p05470_a	1080	10:48	16:3:16.2	5:38:27	300	80	3.0	#113 Interacti	4	
0137.COMP	5	11:07	16:3:16.2	5:38:27	300	80	3.0	#113 Interacti	4	
0138.MRK279	180	11:10	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	
0139.MRK279	180	11:13	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	
0140.COMP	5	11:16	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	
0141.3C390.3	360	11:18	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	4	
0142.3C390.3	360	11:24	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	4	

UT Date 2004-04-22 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0143.COMP	5	11:31	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	4	
0144.N5548	240	11:32	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0145.N5548	240	11:36	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0146.COMP	5	11:41	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0147.N5866	30	11:43	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0148.COMP	5	11:44	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0149.BDp404032	70	11:47	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	4	
0150.COMP	5	11:48	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	4	
0151.BDp404032	140	11:49	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	2	binby2
0152.COMP	10	11:52	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	2	
0153.FLAT	16	11:55	20:06:40.0	41:06:15	300	90	3.0	#113 Interacti	2	x10
0154-0162.FLAT	16	11:59	20:06:40.0	41:06:15	300	90	3.0	#113 Interacti	2	
0163.BIAS	0	12:00	20:06:40.0	41:06:15	300	90	3.0	#113 Interacti	2	x10
0164-0172.BIAS	0	12:01	20:06:40.0	41:06:15	300	90	3.0	#113 Interacti	2	
0173.FLAT	8	12:03	20:06:40.0	41:06:15	300	90	3.0	#113 Interacti	4	x10 binby4
0174-0182.FLAT	8	12:05	20:06:40.0	41:06:15	300	90	3.0	#113 Interacti	4	
0183.BIAS	0	12:06	20:06:40.0	41:06:15	300	90	3.0	#113 Interacti	4	x10
0184-0192.BIAS	0	12:07	20:06:40.0	41:06:15	300	90	3.0	#113 Interacti	4	
0193-0202.DARK	900	14:24	20:06:40.0	41:06:15	300	90	3.0	#113 Interacti	4	
0203-0212.DARK	900	16:56	20:06:40.0	41:06:15	300	90	3.0	#113 Interacti	2	

UT Date 2004-04-23 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	1:28	20:06:40.0	41:06:15	600	90	2.0	#0 Calibration	4	x10
0002-0010.BIAS	0	1:29	20:06:40.0	41:06:15	600	90	2.0	#0 Calibration	4	
0011.FLAT	24	1:31	20:06:40.0	41:06:15	600	90	2.0	#0 Calibration	4	x10
0012-0020.FLAT	24	1:36	20:06:40.0	41:06:15	600	90	2.0	#0 Calibration	4	
0021-0023.SKY	3	2:09	10:30:0	31:30:0	600	90	2.0	#57 Velocity S	4	
0024.FineFoc	60	2:32	09:00:05.4	31:28:18	600	90	2.0	#57 Velocity S	1	windy, 2-3 arcsec seeing
0025.Feige34	160	2:53	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0026.COMP	10	2:56	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0027.hs2060	165	2:57	11:52:36.2	30:15:24	600	90	2.0	#122 Halo Star	4	
0028.COMP	10	3:00	11:52:36.2	30:15:24	600	90	2.0	#122 Halo Star	4	
0029.hs2054	210	3:01	11:51:30.5	35:52:57	600	90	2.0	#122 Halo Star	4	
0030.COMP	10	3:05	11:51:30.5	35:52:57	600	90	2.0	#122 Halo Star	4	
0031.hs2051	288	3:06	11:51:17.8	29:48:47	600	90	2.0	#122 Halo Star	4	
0032.COMP	10	3:11	11:51:17.8	29:48:47	600	90	2.0	#122 Halo Star	4	
0033.hs2051	240	3:11	11:51:17.8	29:48:47	600	90	2.0	#122 Halo Star	4	
0034.COMP	10	3:16	11:51:17.8	29:48:47	600	90	2.0	#122 Halo Star	4	
0035.hs2056	360	3:16	11:51:50.4	33:06:36	600	90	2.0	#122 Halo Star	4	
0036.COMP	10	3:23	11:51:50.4	33:06:36	600	90	2.0	#122 Halo Star	4	
0037.hs2066	360	3:23	11:53:20.1	25:04:37	600	90	2.0	#122 Halo Star	4	
0038.COMP	10	3:30	11:53:20.1	25:04:37	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-23 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0039.hs2063	480	3:30	11:53:00.8	31:08:42	600	90	2.0	#122 Halo Star	4	
0040.COMP	10	3:39	11:53:00.8	31:08:42	600	90	2.0	#122 Halo Star	4	
0041.hs2067	600	3:39	11:53:28.1	34:34:11	600	90	2.0	#122 Halo Star	4	
0042.COMP	10	3:50	11:53:28.1	34:34:11	600	90	2.0	#122 Halo Star	4	
0043.hs2049	520	3:51	11:50:58.5	38:53:23	600	90	2.0	#122 Halo Star	4	
0044.COMP	10	4:00	11:50:58.5	38:53:23	600	90	2.0	#122 Halo Star	4	
0045.hs2046	480	4:00	11:50:09.6	39:27:53	600	90	2.0	#122 Halo Star	4	
0046.COMP	10	4:09	11:50:09.6	39:27:53	600	90	2.0	#122 Halo Star	4	
0047.hs2048	420	4:09	11:50:54.4	41:06:58	600	90	2.0	#122 Halo Star	4	
0048.COMP	10	4:17	11:50:54.4	41:06:58	600	90	2.0	#122 Halo Star	4	
0049.hs2044	600	4:18	11:49:48.5	48:14:06	600	90	2.0	#122 Halo Star	4	
0050.COMP	10	4:28	11:49:48.5	48:14:06	600	90	2.0	#122 Halo Star	4	
0051.hs2042	540	4:29	11:49:25.4	50:06:33	600	90	2.0	#122 Halo Star	4	
0052.COMP	10	4:38	11:49:25.4	50:06:33	600	90	2.0	#122 Halo Star	4	
0053.hs2041	600	4:39	11:49:00.5	53:16:07	600	90	2.0	#122 Halo Star	4	
0054.COMP	10	4:49	11:49:00.5	53:16:07	600	90	2.0	#122 Halo Star	4	
0055.hs2037	280	4:51	11:48:14.9	64:27:24	600	90	2.0	#122 Halo Star	4	
0056.COMP	10	4:56	11:48:14.9	64:27:24	600	90	2.0	#122 Halo Star	4	
0057.hs2029	360	4:57	11:47:07.0	73:54:16	600	90	2.0	#122 Halo Star	4	
0058.COMP	10	5:03	11:47:07.0	73:54:16	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-23 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0059.hs2082	580	5:04	11:55:09.7	78:41:04	600	90	2.0	#122 Halo Star	4	
0060.COMP	10	5:14	11:55:09.7	78:41:04	600	90	2.0	#122 Halo Star	4	
0061.hs2062	400	5:15	11:52:51.0	72:40:09	600	90	2.0	#122 Halo Star	4	
0062.COMP	10	5:22	11:52:51.0	72:40:09	600	90	2.0	#122 Halo Star	4	
0063.hs2078	180	5:23	11:54:58.8	69:55:20	600	90	2.0	#122 Halo Star	4	
0064.COMP	10	5:26	11:54:58.8	69:55:20	600	90	2.0	#122 Halo Star	4	
0065.hs2069	200	5:27	11:53:38.1	64:14:37	600	90	2.0	#122 Halo Star	4	
0066.COMP	10	5:31	11:53:38.1	64:14:37	600	90	2.0	#122 Halo Star	4	
0067.hs2071	170	5:32	11:53:53.0	69:02:06	600	90	2.0	#122 Halo Star	4	
0068.COMP	10	5:35	11:53:53.0	69:02:06	600	90	2.0	#122 Halo Star	4	
0069.hs2073	190	5:35	11:54:18.2	65:17:18	600	90	2.0	#122 Halo Star	4	
0070.COMP	10	5:39	11:54:18.2	65:17:18	600	90	2.0	#122 Halo Star	4	
0071.hs2077	480	5:40	11:54:43.7	54:10:26	600	90	2.0	#122 Halo Star	4	
0072.COMP	10	5:48	11:54:43.7	54:10:26	600	90	2.0	#122 Halo Star	4	
0073.hs2072	312	5:49	11:53:55.5	54:41:23	600	90	2.0	#122 Halo Star	4	
0074.COMP	10	5:54	11:53:55.5	54:41:23	600	90	2.0	#122 Halo Star	4	
0075.hs2074	450	5:56	11:54:20.0	8:17:50	600	90	2.0	#122 Halo Star	4	
0076.COMP	10	6:04	11:54:20.0	8:17:50	600	90	2.0	#122 Halo Star	4	
0077.hs2038	540	6:04	11:48:42.2	11:52:26	600	90	2.0	#122 Halo Star	4	
0078.COMP	10	6:14	11:48:42.2	11:52:26	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-23 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0079.hs2053	560	6:15	11:51:28.2	11:56:27	600	90	2.0	#122 Halo Star	4	
0080.COMP	10	6:25	11:51:28.2	11:56:27	600	90	2.0	#122 Halo Star	4	
0081.hs2053	480	6:25	11:51:28.2	11:56:27	600	90	2.0	#122 Halo Star	4	
0082.COMP	10	6:34	11:51:28.2	11:56:27	600	90	2.0	#122 Halo Star	4	
0083.hs2065	540	6:34	11:53:16.0	13:12:42	600	90	2.0	#122 Halo Star	4	
0084.COMP	10	6:44	11:53:16.0	13:12:42	600	90	2.0	#122 Halo Star	4	
0085.hs2045	640	6:44	11:49:58.9	12:16:10	600	90	2.0	#122 Halo Star	4	
0086.COMP	10	6:55	11:49:58.9	12:16:10	600	90	2.0	#122 Halo Star	4	
0087.hs2039	200	6:56	11:48:43.4	13:37:39	600	90	2.0	#122 Halo Star	4	
0088.COMP	10	7:00	11:48:43.4	13:37:39	600	90	2.0	#122 Halo Star	4	
0089.hs2061	384	7:00	11:52:48.8	15:54:32	600	90	2.0	#122 Halo Star	4	
0090.COMP	10	7:07	11:52:48.8	15:54:32	600	90	2.0	#122 Halo Star	4	
0091.hs2064	318	7:08	11:53:13.7	16:43:56	600	90	2.0	#122 Halo Star	4	
0092.COMP	10	7:13	11:53:13.7	16:43:56	600	90	2.0	#122 Halo Star	4	
0093.hs2047	330	7:14	11:50:28.9	17:59:57	600	90	2.0	#122 Halo Star	4	
0094.COMP	10	7:20	11:50:28.9	17:59:57	600	90	2.0	#122 Halo Star	4	
0095.hs2052	420	7:20	11:51:18.2	17:30:48	600	90	2.0	#122 Halo Star	4	
0096.COMP	10	7:28	11:51:18.2	17:30:48	600	90	2.0	#122 Halo Star	4	
0097.hs2058	330	7:28	11:52:16.2	19:25:29	600	90	2.0	#122 Halo Star	4	
0098.COMP	10	7:34	11:52:16.2	19:25:29	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-23 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0099.hs2035	600	7:35	11:47:55.3	21:04:35	600	90	2.0	#122 Halo Star	4	
0100.COMP	10	7:45	11:47:55.3	21:04:35	600	90	2.0	#122 Halo Star	4	
0101.hs2068	540	7:46	11:53:34.6	46:00:14	600	90	2.0	#122 Halo Star	4	
0102.COMP	10	7:56	11:53:34.6	46:00:14	600	90	2.0	#122 Halo Star	4	
0103.hs2070	600	7:57	11:53:44.9	23:52:34	600	90	2.0	#122 Halo Star	4	
0104.COMP	10	8:07	11:53:44.9	23:52:34	600	90	2.0	#122 Halo Star	4	
0105.hs2040	330	8:08	11:48:48.0	25:55:22	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	8:13	11:48:48.0	25:55:22	600	90	2.0	#122 Halo Star	4	
0107.hs2057	456	8:14	11:52:12.3	38:40:56	600	90	2.0	#122 Halo Star	4	
0108.COMP	10	8:22	11:52:12.3	38:40:56	600	90	2.0	#122 Halo Star	4	
0109.hs2075	402	8:23	11:54:20.5	45:07:52	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	8:30	11:54:20.5	45:07:52	600	90	2.0	#122 Halo Star	4	
0111.hs2657	210	8:31	14:20:20.6	59:25:40	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	8:35	14:20:20.6	59:25:40	600	90	2.0	#122 Halo Star	4	
0113.hs2654	420	8:36	14:19:53.8	56:39:20	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	8:43	14:19:53.8	56:39:20	600	90	2.0	#122 Halo Star	4	
0115.hs2655	540	8:44	14:19:59.8	55:46:36	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	8:54	14:19:59.8	55:46:36	600	90	2.0	#122 Halo Star	4	
0117.hs2656	240	8:54	14:20:09.9	49:47:22	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	8:58	14:20:09.9	49:47:22	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-23 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0119.hs2727	210	9:00	15:02:19.8	74:43:37	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	9:04	15:02:19.8	74:43:37	600	90	2.0	#122 Halo Star	4	
0121.hs2736	456	9:05	15:07:11.1	75:39:52	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	9:13	15:07:11.1	75:39:52	600	90	2.0	#122 Halo Star	4	
0123.hs2737	260	9:14	15:07:16.7	71:19:56	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	9:18	15:07:16.7	71:19:56	600	90	2.0	#122 Halo Star	4	
0125.hs2734	450	9:19	15:06:31.1	71:40:18	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	9:27	15:06:31.1	71:40:18	600	90	2.0	#122 Halo Star	4	
0127.hs2735	420	9:28	15:07:03.5	70:43:55	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	9:35	15:07:03.5	70:43:55	600	90	2.0	#122 Halo Star	4	
0129.hs2733	450	9:37	15:06:08.4	66:38:11	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	9:45	15:06:08.4	66:38:11	600	90	2.0	#122 Halo Star	4	
0131.hs2728	240	9:46	15:02:54.5	69:33:27	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	9:50	15:02:54.5	69:33:27	600	90	2.0	#122 Halo Star	4	
0133.hs2730	600	9:52	15:04:38.5	61:36:54	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	10:03	15:04:37.9	+61:36:28	600	90	2.0	#122 Halo Star	4	TCS died, restarting system
0135.hs2731	204	10:04	15:05:22.0	63:04:30	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	10:08	15:05:22.0	63:04:30	600	90	2.0	#122 Halo Star	4	
0137.hs2732	204	10:09	15:06:04.6	59:39:38	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	10:13	15:06:04.6	59:39:38	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-23 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0139.hs2729	600	10:13	15:03:30.1	56:40:33	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	10:24	15:03:30.1	56:40:33	600	90	2.0	#122 Halo Star	4	
0141.hs2738	260	10:24	15:09:55.3	68:02:53	600	90	2.0	#122 Halo Star	4	
0142.COMP	10	10:29	15:09:55.3	68:02:53	600	90	2.0	#122 Halo Star	4	
0143.hs2739	180	10:30	15:11:08.9	71:44:17	600	90	2.0	#122 Halo Star	4	
0144.COMP	10	10:33	15:11:08.9	71:44:17	600	90	2.0	#122 Halo Star	4	
0145.hs2740	528	10:34	15:13:00.9	56:20:34	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	10:43	15:13:00.9	56:20:34	600	90	2.0	#122 Halo Star	4	
0147.hs2856	570	10:44	16:30:46.1	73:48:30	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	10:54	16:30:46.1	73:48:30	600	90	2.0	#122 Halo Star	4	
0149.hs2857	594	10:55	16:30:47.0	69:33:09	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	11:05	16:30:47.0	69:33:09	600	90	2.0	#122 Halo Star	4	
0151.hs2858	522	11:05	16:31:08.3	67:27:53	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	11:14	16:31:08.3	67:27:53	600	90	2.0	#122 Halo Star	4	
0153.hs2855	606	11:15	16:30:12.8	64:39:59	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	11:26	16:30:12.8	64:39:59	600	90	2.0	#122 Halo Star	4	
0155.hs2861	250	11:26	16:32:59.7	66:42:03	600	90	2.0	#122 Halo Star	4	
0156.COMP	10	11:31	16:32:59.7	66:42:03	600	90	2.0	#122 Halo Star	4	
0157.hs2860	330	11:32	16:31:57.5	67:32:27	600	90	2.0	#122 Halo Star	4	
0158.COMP	10	11:37	16:31:57.5	67:32:27	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-23 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0159.hs2859	310	11:38	16:31:24.4	62:10:59	600	90	2.0	#122 Halo Star	4	
0160.COMP	10	11:43	16:31:24.4	62:10:59	600	90	2.0	#122 Halo Star	4	
0161.hs2854	360	11:44	16:29:31.4	63:41:52	600	90	2.0	#122 Halo Star	4	
0162.COMP	10	11:50	16:29:31.4	63:41:52	600	90	2.0	#122 Halo Star	4	
0163.BDp404032	90	11:53	20:06:40.0	41:06:15	600	90	2.0	#56 Spectropho	4	
0164.COMP	10	11:55	20:06:40.0	41:06:15	600	90	2.0	#56 Spectropho	4	
0165.BDp332642	120	11:57	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0166.COMP	10	11:59	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0167.FLAT	24	12:03	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	x10
0168-0176.FLAT	24	12:07	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0177.BIAS	0	12:08	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	x10
0178-0186.BIAS	0	12:09	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0187-0196.DARK	900	14:27	15:50:03.0	33:05:49	600	90	2.0	#0 Calibration	4	

UT Date 2004-04-24 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	1:22	15:50:03.0	33:05:49	600	90	2.0	#0 Calibration	2	binby2
0002-0010.BIAS	0	1:24	15:50:03.0	33:05:49	600	90	2.0	#0 Calibration	2	
0011.BIAS	0	1:24	15:50:03.0	33:05:49	600	90	2.0	#0 Calibration	4	binby4
0012-0020.BIAS	0	1:25	15:50:03.0	33:05:49	600	90	2.0	#0 Calibration	4	
0021.FLAT	24	1:28	15:50:03.0	33:05:49	600	90	2.0	#0 Calibration	4	600l, 440 tilt, 2 slit
0022-0030.FLAT	24	1:33	15:50:03.0	33:05:49	600	90	2.0	#0 Calibration	4	
0031-0033.SKY	3	2:10	9:30:0	31:30:0	600	90	2.0	#57 Velocity S	4	
0034.COMP	10	2:11	9:30:0	31:30:0	600	90	2.0	#57 Velocity S	4	
0035.FineFoc	60	2:27	09:00:05.4	31:28:18	600	90	2.0	#57 Velocity S	1	
0036.Feige34	160	2:52	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0037.COMP	10	2:55	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0038.hs2103	198	2:56	11:58:13.6	30:55:16	600	90	2.0	#122 Halo Star	4	
0039.COMP	10	3:00	11:58:13.6	30:55:16	600	90	2.0	#122 Halo Star	4	
0040.hs2080	180	3:00	11:55:00.9	28:58:31	600	90	2.0	#122 Halo Star	4	
0041.COMP	10	3:04	11:55:00.9	28:58:31	600	90	2.0	#122 Halo Star	4	
0042.hs2087	240	3:05	11:56:18.1	45:58:21	600	90	2.0	#122 Halo Star	4	
0043.COMP	10	3:09	11:56:18.1	45:58:21	600	90	2.0	#122 Halo Star	4	
0044.hs2081	258	3:10	11:55:03.5	50:18:44	600	90	2.0	#122 Halo Star	4	
0045.COMP	10	3:14	11:55:03.5	50:18:44	600	90	2.0	#122 Halo Star	4	
0046.hs2089	244	3:16	11:56:45.4	65:27:13	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-24 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0047.COMP	10	3:20	11:56:45.4	65:27:13	600	90	2.0	#122 Halo Star	4	
0048.hs2108	180	3:21	11:59:08.4	72:41:03	600	90	2.0	#122 Halo Star	4	
0049.COMP	10	3:24	11:59:08.4	72:41:03	600	90	2.0	#122 Halo Star	4	
0050.hs2097	330	3:25	11:57:43.6	77:32:45	600	90	2.0	#122 Halo Star	4	
0051.COMP	10	3:31	11:57:43.6	77:32:45	600	90	2.0	#122 Halo Star	4	
0052.hs2106	260	3:32	11:58:27.8	64:43:37	600	90	2.0	#122 Halo Star	4	
0053.COMP	10	3:36	11:58:27.8	64:43:37	600	90	2.0	#122 Halo Star	4	
0054.hs2113	552	3:37	11:59:25.4	64:03:13	600	90	2.0	#122 Halo Star	4	
0055.COMP	10	3:46	11:59:25.4	64:03:13	600	90	2.0	#122 Halo Star	4	
0056.hs2109	270	3:47	11:59:09.6	61:23:45	600	90	2.0	#122 Halo Star	4	
0057.COMP	10	3:52	11:59:09.6	61:23:45	600	90	2.0	#122 Halo Star	4	
0058.hs2090	498	3:53	11:56:48.9	52:06:22	600	90	2.0	#122 Halo Star	4	
0059.COMP	10	4:02	11:56:48.9	52:06:22	600	90	2.0	#122 Halo Star	4	
0060.hs2110	270	4:03	11:59:09.7	50:30:39	600	90	2.0	#122 Halo Star	4	
0061.COMP	10	4:08	11:59:09.7	50:30:39	600	90	2.0	#122 Halo Star	4	
0062.hs2111	510	4:08	11:59:10.6	49:15:13	600	90	2.0	#122 Halo Star	4	
0063.COMP	10	4:17	11:59:10.6	49:15:13	600	90	2.0	#122 Halo Star	4	
0064.hs2112	180	4:18	11:59:22.6	37:33:34	600	90	2.0	#122 Halo Star	4	
0065.COMP	10	4:21	11:59:22.6	37:33:34	600	90	2.0	#122 Halo Star	4	
0066.hs2079	460	4:22	11:55:00.8	24:27:07	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-24 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0067.COMP	10	4:30	11:55:00.8	24:27:07	600	90	2.0	#122 Halo Star	4	
0068.hs2076	474	4:31	11:54:38.1	19:03:54	600	90	2.0	#122 Halo Star	4	
0069.COMP	10	4:39	11:54:38.1	19:03:54	600	90	2.0	#122 Halo Star	4	
0070.hs2083	300	4:40	11:55:19.8	11:28:55	600	90	2.0	#122 Halo Star	4	
0071.COMP	10	4:45	11:55:19.8	11:28:55	600	90	2.0	#122 Halo Star	4	
0072.hs2091	486	4:46	11:56:57.6	11:01:54	600	90	2.0	#122 Halo Star	4	
0073.COMP	10	4:54	11:56:57.6	11:01:54	600	90	2.0	#122 Halo Star	4	
0074.hs2084	150	4:55	11:55:28.5	7:31:16	600	90	2.0	#122 Halo Star	4	
0075.COMP	10	4:57	11:55:28.5	7:31:16	600	90	2.0	#122 Halo Star	4	
0076.hs2092	570	4:58	11:57:03.2	5:22:14	600	90	2.0	#122 Halo Star	4	
0077.COMP	10	5:08	11:57:03.2	5:22:14	600	90	2.0	#122 Halo Star	4	
0078.hs2096	612	5:09	11:57:40.6	14:18:36	600	90	2.0	#122 Halo Star	4	
0079.COMP	10	5:19	11:57:40.6	14:18:36	600	90	2.0	#122 Halo Star	4	
0080.hs2104	216	5:20	11:58:15.3	11:48:19	600	90	2.0	#122 Halo Star	4	
0081.COMP	10	5:24	11:58:15.3	11:48:19	600	90	2.0	#122 Halo Star	4	
0082.hs2105	336	5:25	11:58:21.1	16:09:13	600	90	2.0	#122 Halo Star	4	
0083.COMP	10	5:31	11:58:21.1	16:09:13	600	90	2.0	#122 Halo Star	4	
0084.hs2107	450	5:31	11:59:02.0	16:58:50	600	90	2.0	#122 Halo Star	4	
0085.COMP	10	5:39	11:59:02.0	16:58:50	600	90	2.0	#122 Halo Star	4	
0086.hs2085	306	5:40	11:55:37.3	23:57:39	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-24 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0087.COMP	10	5:45	11:55:37.3	23:57:39	600	90	2.0	#122 Halo Star	4	
0088.hs2088	360	5:46	11:56:35.3	24:53:27	600	90	2.0	#122 Halo Star	4	
0089.COMP	10	5:52	11:56:35.3	24:53:27	600	90	2.0	#122 Halo Star	4	
0090.hs2086	444	5:53	11:56:02.5	46:44:47	600	90	2.0	#122 Halo Star	4	
0091.COMP	10	6:01	11:56:02.5	46:44:47	600	90	2.0	#122 Halo Star	4	
0092.hs2093	564	6:01	11:57:25.6	46:16:37	600	90	2.0	#122 Halo Star	4	
0093.COMP	10	6:11	11:57:25.6	46:16:37	600	90	2.0	#122 Halo Star	4	
0094.hs2094	546	6:12	11:57:28.0	36:47:50	600	90	2.0	#122 Halo Star	4	
0095.COMP	10	6:22	11:57:28.0	36:47:50	600	90	2.0	#122 Halo Star	4	
0096.hs2095	510	6:22	11:57:31.5	21:50:42	600	90	2.0	#122 Halo Star	4	
0097.COMP	10	6:31	11:57:31.5	21:50:42	600	90	2.0	#122 Halo Star	4	
0098.sn2004bi	1200	6:39	10:47:37.4	+26:18:12	300	71	3.0	#2 SN Observat	2	300l, tilt 619, 3 slit
0099.COMP	10	6:59	10:47:37.4	+26:18:12	300	71	3.0	#2 SN Observat	2	
0100.sn2004bj	1200	7:05	13:16:18.0	+07:02:52	300	20	3.0	#2 SN Observat	2	
0101.COMP	10	7:25	13:16:18.0	+07:02:52	300	20	3.0	#2 SN Observat	2	
0102.sn2004bk	1200	7:27	13:37:28.7	+04:06:11	300	20	3.0	#2 SN Observat	2	
0103.COMP	10	7:47	13:37:28.7	+04:06:11	300	20	3.0	#2 SN Observat	2	
0104.BDp262606	30	7:49	14:49:02.3	+25:42:09	300	20	3.0	#56 Spectropho	2	
0105.COMP	10	7:50	14:49:02.3	+25:42:09	300	20	3.0	#56 Spectropho	2	
0106.BDp262606	20	7:51	14:49:02.3	+25:42:09	300	20	3.0	#56 Spectropho	4	

UT Date 2004-04-24 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0107.COMP	5	7:52	14:49:02.3	+25:42:09	300	20	3.0	#56 Spectropho	4	
0108.MRK421	300	7:54	11:04:27.4	+38:12:32	300	80	3.0	#6 AGN Monitor	4	
0109.COMP	5	7:59	11:04:27.4	+38:12:32	300	80	3.0	#6 AGN Monitor	4	
0110.MRK421	300	7:59	11:04:27.4	+38:12:32	300	80	3.0	#6 AGN Monitor	4	
0111.COMP	5	8:05	11:04:27.4	+38:12:32	300	80	3.0	#6 AGN Monitor	4	
0112.N4051	150	8:06	12:03:09.7	+44:31:53	300	97	3.0	#6 AGN Monitor	4	
0113.N4051	150	8:09	12:03:09.7	+44:31:53	300	97	3.0	#6 AGN Monitor	4	
0114.COMP	5	8:11	12:03:09.7	+44:31:53	300	97	3.0	#6 AGN Monitor	4	
0115.N4151	30	8:12	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0116.N4151	30	8:13	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0117.COMP	5	8:14	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0118.M87	180	8:16	12:30:49.4	12:23:28	300	55	3.0	#6 AGN Monitor	4	
0119.M87	180	8:20	12:30:49.4	12:23:28	300	55	3.0	#6 AGN Monitor	4	
0120.COMP	5	8:23	12:30:49.4	12:23:28	300	55	3.0	#6 AGN Monitor	4	
0121.cairnsk5_138	900	8:24	13:0:56.9	21:56:26	300	90	3.0	#64 Cluster In	4	
0122.COMP	5	8:40	13:0:56.9	21:56:26	300	90	3.0	#64 Cluster In	4	
0123.cairnsk5_140	720	8:42	12:42:50.2	31:53:24	300	50	3.0	#64 Cluster In	4	
0124.COMP	5	8:54	12:42:50.2	31:53:24	300	50	3.0	#64 Cluster In	4	
0125.cairnsk5_145	900	8:55	13:1:1.1	33:23:16	300	50	3.0	#64 Cluster In	4	
0126.COMP	5	9:10	13:1:1.1	33:23:16	300	50	3.0	#64 Cluster In	4	

UT Date 2004-04-24 Observers W. BrownColl. Focus 1020 Grating/Grism 600

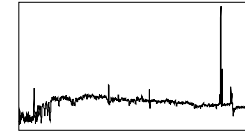
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0127.cairnsk5_147	900	9:12	13:24:20	25:3:40	300	80	3.0	#64 Cluster In	4	
0128.COMP	5	9:28	13:24:20	25:3:40	300	80	3.0	#64 Cluster In	4	
0129.cairnsk5_166	1020	9:29	13:25:10.9	25:34:40	300	80	3.0	#64 Cluster In	4	
0130.COMP	5	9:46	13:25:10.9	25:34:40	300	80	3.0	#64 Cluster In	4	
0131.BDp332642	20	9:48	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0132.COMP	5	9:48	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0133.BDp332642	90	9:49	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0134.COMP	10	9:51	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0135.143024p31530.c	1800	9:54	14:32:43.5	31:36:13	300	90	3.0	#113 Interacti	2	
0136.COMP	10	10:24	14:32:43.5	31:36:13	300	90	3.0	#113 Interacti	2	
0137.143312p22570.b	1800	10:26	14:35:29.0	22:43:37	300	110	3.0	#113 Interacti	2	
0138.COMP	10	10:56	14:35:29.0	22:43:37	300	110	3.0	#113 Interacti	2	
0139.153400p39570.b	1200	10:58	15:35:54.0	39:48:50	300	110	3.0	#113 Interacti	2	
0140.COMP	10	11:19	15:35:54.0	39:48:50	300	110	3.0	#113 Interacti	2	
0141.N5866	240	11:22	15:05:07.2	+55:57:18	300	110	3.0	#57 Velocity S	2	
0142.COMP	10	11:27	15:05:07.2	+55:57:18	300	110	3.0	#57 Velocity S	2	
0143.3C390.3	360	11:32	18:42:09.1	79:46:17	300	7	3.0	#6 AGN Monitor	4	
0144.3C390.3	360	11:38	18:42:09.1	79:46:17	300	7	3.0	#6 AGN Monitor	4	
0145.COMP	5	11:44	18:42:09.1	79:46:17	300	7	3.0	#6 AGN Monitor	4	
0146.FLAT	8	11:47	18:42:09.1	79:46:17	300	90	3.0	#122 Halo Star	4	binby4

UT Date 2004-04-24 Observers W. BrownColl. 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>Bin</i>	<i>Comments</i>
0147-0155.FLAT	8	11:49	18:42:09.1	79:46:17	300	90	3.0	#0 Calibration	4	
0156.FLAT	16	11:50	18:42:09.1	79:46:17	300	90	3.0	#0 Calibration	2	binby2
0157-0165.FLAT	16	11:54	18:42:09.1	79:46:17	300	90	3.0	#0 Calibration	2	
0166-0175.BIAS	0	11:57	18:42:09.1	79:46:17	300	90	3.0	#0 Calibration	2	
0176.BIAS	0	11:57	18:42:09.1	79:46:17	300	90	3.0	#0 Calibration	4	binby4
0177-0185.BIAS	0	11:58	18:42:09.1	79:46:17	300	90	3.0	#0 Calibration	4	
0186-0195.DARK	900	14:19	18:42:09.1	79:46:17	300	90	3.0	#0 Calibration	4	
0196-0205.DARK	900	16:51	18:42:09.1	79:46:17	300	90	3.0	#0 Calibration	2	

UT Date 2004-04-25 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	1:31	08:36:15.4	+31:30:34	300	90	3.0	#0 Calibration	4	
0002.DARK	900	1:47	08:51:26.0	+31:30:39	300	90	3.0	#0 Calibration	4	
0003.DARK	900	2:02	09:06:32.5	+31:30:43	300	90	3.0	#0 Calibration	4	
0004.DARK	900	2:17	09:21:42.0	+31:30:47	300	90	3.0	#0 Calibration	4	
0005.DARK	900	2:32	09:36:51.7	+31:30:51	300	90	3.0	#0 Calibration	4	
0006-0015.BIAS	0	2:48	09:38:20.9	+31:30:51	300	90	3.0	#0 Calibration	4	
0016-0021.FLAT	6	2:50	09:40:11.6	+31:30:51	300	90	3.0	#0 Calibration	4	
0022-0025.FLAT	6	2:51	09:41:02.5	+31:30:52	300	90	3.0	#0 Calibration	4	
0026-0035.BIAS	0	2:53	09:43:23.1	+31:30:52	300	90	3.0	#0 Calibration	2	
0036-0037.FLAT	12	2:54	09:44:22.4	+31:30:52	300	90	3.0	#0 Calibration	2	
0038-0045.FLAT	12	2:57	09:47:38.4	+31:30:53	300	90	3.0	#0 Calibration	2	
0046.Feige34	70	3:02	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0047.Feige34	70	3:04	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0048.COMP	5	3:05	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0049.Feige34	70	3:07	10:36:41.2	43:21:50	300	41	3.0	#56 Spectropho	2	
0050.Feige34	70	3:09	10:36:41.2	43:21:50	300	41	3.0	#56 Spectropho	2	
0051.COMP	12	3:10	10:36:41.2	43:21:50	300	41	3.0	#56 Spectropho	2	
0052.HD84937	8	3:13	09:48:56.1	13:44:39	300	9	3.0	#56 Spectropho	2	
0053.HD84937	8	3:13	09:48:56.1	13:44:39	300	9	3.0	#56 Spectropho	2	
0054.COMP	12	3:14	09:48:56.1	13:44:39	300	9	3.0	#56 Spectropho	2	

UT Date 2004-04-25 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0055.c0121	300	3:22	11:12:54.3	28:00:03	300	90	3.0	#64 Cluster In	2	
0056.COMP	12	3:28	11:12:54.3	28:00:03	300	90	3.0	#64 Cluster In	2	
0057.c0122	480	3:29	11:14:6.5	28:08:27	300	90	3.0	#64 Cluster In	2	
0058.COMP	12	3:38	11:14:6.5	28:08:27	300	90	3.0	#64 Cluster In	2	
0059.c0123	660	3:40	11:09:2.8	28:16:56	300	90	3.0	#64 Cluster In	2	
0060.COMP	12	3:51	11:09:2.8	28:16:56	300	90	3.0	#64 Cluster In	2	
0061.c0124	1200	3:52	11:07:9.9	28:25:33	300	90	3.0	#64 Cluster In	2	
0062.COMP	12	4:13	11:07:9.9	28:25:33	300	90	3.0	#64 Cluster In	2	
0063.c0125	660	4:15	11:14:44.3	28:34:25	300	90	3.0	#64 Cluster In	2	
0064.COMP	12	4:26	11:14:44.3	28:34:25	300	90	3.0	#64 Cluster In	2	
0065.c0126	360	4:27	11:09:8.8	28:40:21	300	90	3.0	#64 Cluster In	2	
0066.COMP	12	4:34	11:09:8.8	28:40:21	300	90	3.0	#64 Cluster In	2	
0067.c0127	720	4:35	11:10:40.3	28:41:08	300	90	3.0	#64 Cluster In	2	
0068.COMP	12	4:47	11:10:40.3	28:41:08	300	90	3.0	#64 Cluster In	2	
0069.c0128	720	4:49	11:16:23.8	28:37:35	300	90	3.0	#64 Cluster In	2	
0070.COMP	12	5:01	11:16:23.8	28:37:35	300	90	3.0	#64 Cluster In	2	
0071.c0129	660	5:02	11:16:27.5	29:11:32	300	90	3.0	#64 Cluster In	2	
0072.COMP	12	5:14	11:16:27.5	29:11:32	300	90	3.0	#64 Cluster In	2	
0073.c0130	600	5:14	11:16:10.8	29:26:33	300	90	3.0	#64 Cluster In	2	
0074.COMP	12	5:25	11:16:10.8	29:26:33	300	90	3.0	#64 Cluster In	2	

UT Date 2004-04-25 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0075.c0131	1080	5:26	11:15:28.4	29:49:05	300	90	3.0	#64 Cluster In	2	
0076.COMP	12	5:44	11:15:28.4	29:49:05	300	90	3.0	#64 Cluster In	2	
0077.sn2004bg	1200	5:46	11:21:01.5	+21:20:23	300	54	3.0	#2 SN Observat	2	row=79
0078.COMP	12	6:07	11:21:01.5	+21:20:23	300	54	3.0	#2 SN Observat	2	
0079.sn2004bj	1020	6:11	13:16:18.0	+07:02:52	300	-8	3.0	#2 SN Observat	2	increase exposure time, add a frame...
0080.sn2004bj	1200	6:28	13:16:18.0	+07:02:52	300	-8	3.0	#2 SN Observat	2	
0081.sn2004bj	1200	6:48	13:16:18.0	+07:02:52	300	-8	3.0	#2 SN Observat	2	
0082.COMP	12	7:09	13:16:18.0	+07:02:52	300	-8	3.0	#2 SN Observat	2	
0083.114924p17050.c	1920	7:12	11:51:54.8	16:50:44	300	65	3.0	#113 Interacti	2	
0084.COMP	12	7:45	11:51:54.8	16:50:44	300	65	3.0	#113 Interacti	2	
0085.120942p29270.d	1050	7:48	12:12:20.3	29:12:41	300	-44	3.0	#113 Interacti	2	spectra is from row 55 to row 122
0086.120942p29270.d	1050	8:06	12:12:20.3	29:12:41	300	-44	3.0	#113 Interacti	2	
0087.COMP	12	8:24	12:12:20.3	29:12:41	300	-44	3.0	#113 Interacti	2	
0088.142912p06220.d	1050	8:29	14:31:28.3	6:14:37	300	27	3.0	#113 Interacti	2	
0089.142912p06220.d	1050	8:47	14:31:28.3	6:14:37	300	27	3.0	#113 Interacti	2	
0090.COMP	12	9:05	14:31:28.3	6:14:37	300	27	3.0	#113 Interacti	2	
0091.162012p39030.c	1050	9:06	16:21:51.9	38:57:13	300	27	3.0	#113 Interacti	2	
0092.162012p39030.c	1050	9:24	16:21:51.9	38:57:13	300	27	3.0	#113 Interacti	2	
0093.COMP	12	9:42	16:21:51.9	38:57:13	300	27	3.0	#113 Interacti	2	
0094.162012p39030.d	1050	9:44	16:21:57.1	38:56:42	300	-50	3.0	#113 Interacti	2	

UT Date 2004-04-25 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0095.162012p39030_d	1050	10:02	16:21:57.1	38:56:42	300	-50	3.0	#113 Interacti	2	
0096.COMP	12	10:20	16:21:57.1	38:56:42	300	-50	3.0	#113 Interacti	2	
0097.sn2004ao	1200	10:28	17:28:09.3	+07:24:55	300	-5	3.0	#2 SN Observat	2	row=84
0098.COMP	12	10:49	17:28:09.3	+07:24:55	300	-5	3.0	#2 SN Observat	2	
0099.2M164228.2+011913	300	10:51	16:42:28.2	+01:19:13	300	90	3.0	#68 2MASS Reds	2	
0100.COMP	12	10:56	16:42:28.2	+01:19:13	300	90	3.0	#68 2MASS Reds	2	
0101.2M164847.9+091521	900	10:58	16:48:47.9	+09:15:21	300	90	3.0	#68 2MASS Reds	2	
0102.COMP	12	11:13	16:48:47.9	+09:15:21	300	90	3.0	#68 2MASS Reds	2	
0103.2M164932.8+614306	960	11:16	16:49:32.8	+61:43:6	300	90	3.0	#68 2MASS Reds	2	
0104.COMP	12	11:32	16:49:32.8	+61:43:6	300	90	3.0	#68 2MASS Reds	2	
0105.2M165053.2+352837	300	11:34	16:50:53.2	+35:28:37	300	90	3.0	#68 2MASS Reds	2	
0106.COMP	12	11:39	16:50:53.2	+35:28:37	300	90	3.0	#68 2MASS Reds	2	
0107.2M165551.5+473130	300	11:41	16:55:51.5	+47:31:30	300	90	3.0	#68 2MASS Reds	2	
0108.COMP	12	11:46	16:55:51.5	+47:31:30	300	90	3.0	#68 2MASS Reds	2	
0109.2M165729.1+272102	330	11:48	16:57:29.1	+27:21:2	300	90	3.0	#68 2MASS Reds	2	
0110.COMP	12	11:54	16:57:29.1	+27:21:2	300	90	3.0	#68 2MASS Reds	2	
0111.BDp404032	45	11:57	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	2	
0112.BDp404032	45	11:58	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	2	
0113.COMP	12	11:59	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	2	
0114-0123.BIAS	0	12:04	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	4	



UT Date 2004-04-25 Observers M Calkins

Coll. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0124-0133.FLAT	6	12:06	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	4	
0134-0143.BIAS	0	12:10	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	2	
0144-0153.FLAT	12	12:14	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	2	
0154-0163.DARK	900	14:35	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	2	

UT Date 2004-04-26 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	1:32	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	4	
0011-0020.BIAS	0	1:54	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	4	
0021-0030.FLAT	6	1:58	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	4	
0031-0040.BIAS	0	2:00	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	2	
0041-0050.FLAT	12	2:04	20:06:40.0	41:06:15	300	90	3.0	#56 Spectropho	2	
0051-0055.sky	2	2:11	20:06:40.0	41:06:15	300	90	3.0	#57 Velocity S	2	
0056.COMP	12	2:11	20:06:40.0	41:06:15	300	90	3.0	#57 Velocity S	2	
0057.Feige34	70	2:47	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0058.Feige34	70	2:49	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0059.COMP	5	2:50	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0060.Feige34	70	2:52	10:36:41.2	43:21:50	300	48	3.0	#56 Spectropho	2	
0061.Feige34	70	2:53	10:36:41.2	43:21:50	300	48	3.0	#56 Spectropho	2	
0062.COMP	12	2:55	10:36:41.2	43:21:50	300	48	3.0	#56 Spectropho	2	
0063.HD84937	7	2:57	09:48:56.1	13:44:39	300	0	3.0	#56 Spectropho	2	
0064.HD84937	7	2:57	09:48:56.1	13:44:39	300	0	3.0	#56 Spectropho	2	get again
0065.COMP	12	2:58	09:48:56.1	13:44:39	300	0	3.0	#56 Spectropho	2	
0066.HD84937	45	2:59	09:48:56.1	13:44:39	300	0	3.0	#56 Spectropho	2	
0067.HD84937	45	2:59	09:48:56.1	13:44:39	300	0	3.0	#56 Spectropho	2	wait out clouds
0068.COMP	12	3:01	09:48:56.1	13:44:39	300	0	3.0	#56 Spectropho	2	
0069.MRK421	600	3:21	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	work through clouds...

UT Date 2004-04-26 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0070.MRK421	600	3:31	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0071.MRK421	600	3:41	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0072.COMP	12	3:51	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0073.N4051	300	3:53	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0074.N4051	300	3:58	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0075.COMP	12	4:04	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0076.sn2004bi	1200	4:36	10:47:37.4	+26:18:12	300	27	3.0	#2 SN Observat	2	
0077.sn2004bi	1200	4:56	10:47:37.4	+26:18:12	300	27	3.0	#2 SN Observat	2	clouds.....
0078.COMP	12	5:16	10:47:37.4	+26:18:12	300	27	3.0	#2 SN Observat	2	
0079.sn2004bd	1200	5:20	11:39:42.1	+31:54:31	300	90	3.0	#2 SN Observat	2	
0080.COMP	12	5:43	11:39:42.1	+31:54:31	300	90	3.0	#2 SN Observat	2	
0081.sn2004aw	1200	5:47	11:57:50.2	+25:15:55	300	45	3.0	#2 SN Observat	2	
0082.sn2004aw	1200	6:08	11:57:50.2	+25:15:55	300	45	3.0	#2 SN Observat	2	
0083.COMP	12	6:28	11:57:50.2	+25:15:55	300	45	3.0	#2 SN Observat	2	
0084.cairnsk5_141	1200	6:30	12:49:35	24:26:41	300	90	3.0	#64 Cluster In	2	
0085.COMP	12	6:50	12:49:35	24:26:41	300	90	3.0	#64 Cluster In	2	
0086.cairnsk5_142	780	6:52	12:33:31.8	27:46:58	300	90	3.0	#64 Cluster In	2	
0087.COMP	12	7:05	12:33:31.8	27:46:58	300	90	3.0	#64 Cluster In	2	
0088.cairnsk5_143	1080	7:06	12:36:10.8	26:41:45	300	90	3.0	#64 Cluster In	2	
0089.COMP	12	7:25	12:36:10.8	26:41:45	300	90	3.0	#64 Cluster In	2	

UT Date 2004-04-26 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0090.cairnsk5_146	1200	7:27	13:4:19.4	33:19:13	300	90	3.0	#64 Cluster In	2	
0091.COMP	12	7:48	13:4:19.4	33:19:13	300	90	3.0	#64 Cluster In	2	
0092.cairnsk5_149	1200	7:49	12:39:19.9	27:36:16	300	70	3.0	#64 Cluster In	2	row=82
0093.COMP	12	8:10	12:39:19.9	27:36:16	300	70	3.0	#64 Cluster In	2	
0094.cairnsk5_150	1200	8:11	12:41:59.5	24:45:47	300	90	3.0	#64 Cluster In	2	clouds clearing
0095.COMP	12	8:31	12:41:59.5	24:45:47	300	90	3.0	#64 Cluster In	2	
0096.cairnsk5_151	1080	8:33	12:45:41.1	24:44:56	300	90	3.0	#64 Cluster In	2	
0097.COMP	12	8:52	12:45:41.1	24:44:56	300	90	3.0	#64 Cluster In	2	
0098.cairnsk5_153	780	8:54	12:48:24.8	30:42:37	300	90	3.0	#64 Cluster In	2	
0099.COMP	12	9:07	12:48:24.8	30:42:37	300	90	3.0	#64 Cluster In	2	
0100.cairnsk5_154	1200	9:08	13:2:6.6	31:31:52	300	90	3.0	#64 Cluster In	2	
0101.COMP	12	9:29	13:2:6.6	31:31:52	300	90	3.0	#64 Cluster In	2	
0102.132036p23340.b	1050	9:31	13:23:1.9	23:19:41	300	110	3.0	#113 Interacti	2	
0103.132036p23340.b	1050	9:49	13:23:1.9	23:19:41	300	110	3.0	#113 Interacti	2	
0104.COMP	12	10:07	13:23:1.9	23:19:41	300	110	3.0	#113 Interacti	2	
0105.140124p15060.b	1050	10:09	14:3:55.3	14:53:16	300	95	3.0	#113 Interacti	2	
0106.140124p15060.b	1050	10:27	14:3:55.3	14:53:16	300	95	3.0	#113 Interacti	2	
0107.COMP	12	10:45	14:3:55.3	14:53:16	300	95	3.0	#113 Interacti	2	
0108.155854p08580_c	780	10:49	16:1:22.8	8:50:30	300	60	3.0	#113 Interacti	2	
0109.155854p08580_c	780	11:02	16:1:22.8	8:50:30	300	60	3.0	#113 Interacti	2	

UT Date 2004-04-26 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0110.COMP	12	11:15	16:1:22.8	8:50:30	300	60	3.0	#113 Interacti	2	
0111.154806p19050_c	900	11:17	15:50:6.5	18:57:50	300	60	3.0	#113 Interacti	2	
0112.154806p19050_c	900	11:32	15:50:6.5	18:57:50	300	60	3.0	#113 Interacti	2	will get again...
0113.COMP	12	11:47	15:50:6.5	18:57:50	300	60	3.0	#113 Interacti	2	
0114.MRK509	180	11:51	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0115.MRK509	180	11:54	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0116.COMP	12	11:57	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0117.BDp332642	70	11:59	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	clouds returning
0118.COMP	12	12:01	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0119-0128.BIAS	0	12:05	15:50:03.0	33:05:49	300	90	3.0	#57 Velocity S	4	
0129-0138.FLAT	6	12:07	15:50:03.0	33:05:49	300	90	3.0	#57 Velocity S	4	
0139-0148.BIAS	0	12:10	15:50:03.0	33:05:49	300	90	3.0	#57 Velocity S	2	
0149-0158.FLAT	12	12:14	15:50:03.0	33:05:49	300	90	3.0	#57 Velocity S	2	
0159-0168.DARK	900	14:33	15:50:03.0	33:05:49	300	90	3.0	#57 Velocity S	2	

UT Date 2004-04-27 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	0:54	08:06:29.2	+31:30:25	300	90	3.0	#57 Velocity S	4	
0002.DARK	900	1:09	08:21:35.2	+31:30:30	300	90	3.0	#57 Velocity S	4	
0003.DARK	900	1:24	08:36:45.7	+31:30:34	300	90	3.0	#57 Velocity S	4	
0004.DARK	900	1:39	08:51:55.7	+31:30:39	300	90	3.0	#57 Velocity S	4	
0005.DARK	900	1:54	09:07:05.0	+31:30:43	300	90	3.0	#57 Velocity S	4	
0006.DARK	900	2:09	09:22:12.0	+31:30:47	300	90	3.0	#57 Velocity S	4	
0007.DARK	900	2:25	09:37:22.5	+31:30:51	300	90	3.0	#57 Velocity S	4	
0008.DARK	900	2:40	09:52:33.1	+31:30:54	300	90	3.0	#57 Velocity S	4	
0009.DARK	900	2:55	10:07:43.1	+31:30:58	300	90	3.0	#57 Velocity S	4	
0010.DARK	900	3:10	10:22:50.2	+31:31:01	300	90	3.0	#57 Velocity S	4	
0011-0020.BIAS	0	3:26	10:24:06.9	+31:31:01	300	90	3.0	#57 Velocity S	4	
0021-0030.FLAT	6	3:40	10:38:00.3	+31:31:03	300	90	3.0	#57 Velocity S	4	
0031-0040.BIAS	0	3:44	10:41:50.1	+31:31:04	300	90	3.0	#57 Velocity S	2	
0041.FLAT	12	3:46	10:43:45.3	+31:31:04	300	90	3.0	#57 Velocity S	2	wind gusts to 45+ mph
0042-0050.FLAT	12	3:49	10:47:26.3	+31:31:05	300	90	3.0	#57 Velocity S	2	
0051.HD84937	10	5:45	09:48:56.1	13:44:39	300	59	3.0	#56 Spectropho	2	
0052.HD84937	10	5:45	09:48:56.1	13:44:39	300	59	3.0	#56 Spectropho	2	
0053.COMP	12	5:46	09:48:56.1	13:44:39	300	59	3.0	#56 Spectropho	2	
0054.Feige34	80	5:49	10:36:41.2	43:21:50	300	104	3.0	#56 Spectropho	2	
0055.Feige34	80	5:50	10:36:41.2	43:21:50	300	104	3.0	#56 Spectropho	2	

UT Date 2004-04-27 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0056.COMP	12	5:52	10:36:41.2	43:21:50	300	104	3.0	#56 Spectropho	2	
0057.sn2004at	900	5:57	10:58:45.1	+59:29:12	300	-47	3.0	#2 SN Observat	2	winds milder, clouds moving through
0058.sn2004at	900	6:13	10:58:45.1	+59:29:12	300	-47	3.0	#2 SN Observat	2	
0059.COMP	12	6:28	10:58:45.1	+59:29:12	300	-47	3.0	#2 SN Observat	2	
0060.sn2004bg	1200	6:32	11:21:01.5	+21:20:23	300	63	3.0	#2 SN Observat	2	
0061.COMP	12	6:52	11:21:01.5	+21:20:23	300	63	3.0	#2 SN Observat	2	
0062.cairnsk5_155	1200	6:54	13:3:20.1	22:28:4	300	90	3.0	#64 Cluster In	2	clouds passing through, try again
0063.cairnsk5_155	1200	7:15	13:3:20.1	22:28:4	300	90	3.0	#64 Cluster In	2	Will get again
0064.COMP	12	7:35	13:3:20.1	22:28:4	300	90	3.0	#64 Cluster In	2	
0065.TXCVn	20	7:39	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	Through thick clouds!
0066.TXCVn	70	7:40	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0067.TXCVn	180	7:42	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0068.COMP	12	7:45	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0069.RWHya	5	7:49	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0070.RWHya	30	7:49	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0071.RWHya	240	7:50	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0072.COMP	12	7:55	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	wait out clouds
0073-0082.DARK	900	14:50	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	

UT Date 2004-04-28 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	1:31	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	4	
0011-0020.BIAS	0	1:56	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	4	
0021-0030.FLAT	6	1:59	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	4	
0031-0040.BIAS	0	2:02	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0041-0050.FLAT	12	2:06	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0051.Feige34	70	2:39	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0052.Feige34	70	2:40	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0053.COMP	5	2:42	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0054.Feige34	70	2:43	10:36:41.2	43:21:50	300	48	3.0	#56 Spectropho	2	
0055.Feige34	70	2:44	10:36:41.2	43:21:50	300	48	3.0	#56 Spectropho	2	
0056.COMP	12	2:46	10:36:41.2	43:21:50	300	48	3.0	#56 Spectropho	2	
0057.HD84937	7	2:48	09:48:56.1	13:44:39	300	0	3.0	#56 Spectropho	2	
0058.HD84937	7	2:48	09:48:56.1	13:44:39	300	0	3.0	#56 Spectropho	2	
0059.COMP	12	2:53	09:48:56.1	13:44:39	300	0	3.0	#56 Spectropho	2	
0060.BXMon	15	2:56	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0061.BXMon	180	2:56	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0062.COMP	12	3:00	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0063.MRK110	360	3:02	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0064.COMP	12	3:08	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0065.N3227	180	3:11	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	

UT Date 2004-04-28 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0066.N3227	180	3:14	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0067.COMP	12	3:17	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0068.MRK421	300	3:31	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0069.MRK421	300	3:36	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0070.MRK421	300	3:41	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0071.COMP	12	3:46	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0072.sn2004bi	1200	3:50	10:47:37.4	+26:18:12	300	7	3.0	#2 SN Observat	2	high background...
0073.COMP	12	4:15	10:47:37.4	+26:18:12	300	7	3.0	#2 SN Observat	2	
0074.sn2004bd	1200	4:19	11:39:42.1	+31:54:31	300	93	3.0	#2 SN Observat	2	
0075.COMP	12	4:40	11:39:42.1	+31:54:31	300	93	3.0	#2 SN Observat	2	
0076.TXCVn	10	4:41	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0077.TXCVn	30	4:42	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0078.COMP	12	4:43	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0079.N4051	150	4:44	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0080.N4051	150	4:47	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0081.COMP	12	4:50	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0082.N4151	30	4:51	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0083.N4151	30	4:52	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0084.COMP	12	4:53	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0085.M87	180	4:54	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	

UT Date 2004-04-28 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0086.M87	180	4:58	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0087.COMP	12	5:01	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0088.MRK279	180	5:03	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0089.MRK279	180	5:06	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0090.COMP	12	5:10	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0091.N5548	240	5:12	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0092.N5548	240	5:16	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0093.COMP	12	5:20	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0094.c0132	720	5:23	11:21:11.4	33:31:28	300	90	3.0	#64 Cluster In	2	
0095.COMP	12	5:35	11:21:11.4	33:31:28	300	90	3.0	#64 Cluster In	2	
0096.c0133	780	5:37	11:22:51.8	33:33:23	300	90	3.0	#64 Cluster In	2	
0097.COMP	12	5:50	11:22:51.8	33:33:23	300	90	3.0	#64 Cluster In	2	
0098.c0135	1200	6:04	11:19:30.2	33:37:24	300	90	3.0	#64 Cluster In	2	
0099.COMP	12	6:25	11:19:30.2	33:37:24	300	90	3.0	#64 Cluster In	2	
0100.c0134	1080	6:26	11:21:20.9	33:33:54	300	90	3.0	#64 Cluster In	2	
0101.COMP	12	6:44	11:21:20.9	33:33:54	300	90	3.0	#64 Cluster In	2	
0102.c0148	1200	6:48	14:00:14.4	-11:24:35	300	90	3.0	#64 Cluster In	2	
0103.COMP	12	7:11	14:00:14.4	-11:24:35	300	90	3.0	#64 Cluster In	2	
0104.c0149	780	7:12	14:00:26.2	-11:18:11	300	90	3.0	#64 Cluster In	2	
0105.COMP	12	7:26	14:00:26.2	-11:18:11	300	90	3.0	#64 Cluster In	2	

UT Date 2004-04-28 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0106.c0150	780	7:29	14:04:15.9	-11:08:33	300	90	3.0	#64 Cluster In	2	row=84
0107.COMP	12	7:42	14:04:15.9	-11:08:33	300	90	3.0	#64 Cluster In	2	
0108.c0151	1020	7:43	14:04:54.4	-11:02:55	300	90	3.0	#64 Cluster In	2	
0109.COMP	12	8:01	14:04:54.4	-11:02:55	300	90	3.0	#64 Cluster In	2	
0110.c0152	780	8:01	14:03:42.2	-11:00:44	300	90	3.0	#64 Cluster In	2	
0111.COMP	12	8:15	14:03:42.2	-11:00:44	300	90	3.0	#64 Cluster In	2	
0112.RWHya	2	8:19	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0113.RWHya	10	8:19	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0114.RWHya	20	8:19	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0115.COMP	12	8:20	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0116.c0153	1200	8:22	14:04:20.0	-10:58:06	300	90	3.0	#64 Cluster In	2	
0117.COMP	12	8:43	14:04:20.0	-10:58:06	300	90	3.0	#64 Cluster In	2	
0118.cairnsk5_155	1080	8:45	13:3:20.1	22:28:4	300	90	3.0	#64 Cluster In	2	
0119.COMP	12	9:03	13:3:20.1	22:28:4	300	90	3.0	#64 Cluster In	2	
0120.cairnsk5_156	1200	9:04	13:4:27	22:11:32	300	90	3.0	#64 Cluster In	2	need 2nd exposure...
0121.cairnsk5_156	1200	9:25	13:4:27	22:11:32	300	90	3.0	#64 Cluster In	2	
0122.COMP	12	9:45	13:4:27	22:11:32	300	90	3.0	#64 Cluster In	2	
0123.TCrB	15	9:47	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0124.TCrB	60	9:47	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0125.COMP	12	9:49	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	

UT Date 2004-04-28 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0126.AGDra	2	9:51	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0127.AGDra	15	9:51	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0128.AGDra	45	9:51	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0129.COMP	12	9:53	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0130.152342p18150.b	1200	9:56	15:26:1.3	18:7:15	300	-7	3.0	#113 Interacti	2	
0131.152342p18150.b	1200	10:16	15:26:1.3	18:7:15	300	-7	3.0	#113 Interacti	2	
0132.COMP	12	10:37	15:26:1.3	18:7:15	300	-7	3.0	#113 Interacti	2	
0133.154806p19050.c	900	10:39	15:50:6.5	18:57:50	300	80	3.0	#113 Interacti	2	
0134.154806p19050.c	900	10:55	15:50:6.5	18:57:50	300	80	3.0	#113 Interacti	2	
0135.COMP	12	11:10	15:50:6.5	18:57:50	300	80	3.0	#113 Interacti	2	
0136.sn2004ao	1200	11:12	17:28:09.3	+07:24:55	300	23	3.0	#2 SN Observat	2	
0137.COMP	12	11:33	17:28:09.3	+07:24:55	300	23	3.0	#2 SN Observat	2	
0138.RSOph	10	11:35	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0139.RSOph	60	11:35	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0140.RSOph	150	11:36	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0141.COMP	12	11:39	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0142.YYHer	10	11:41	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0143.YYHer	60	11:41	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0144.COMP	12	11:43	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0145.V443Her	5	11:49	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	

UT Date 2004-04-28 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0146.V443Her	45	11:49	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0147.V443Her	90	11:50	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0148.COMP	12	11:52	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0149.BFCyg	1	11:54	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0150.BFCyg	60	11:54	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0151.COMP	12	11:55	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0152.CHCyg	1	11:56	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0153.CHCyg	5	11:57	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0154.CHCyg	30	11:57	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0155.COMP	12	11:58	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0156.CICyg	2	11:59	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0157.CICyg	20	11:59	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0158.CICyg	60	12:00	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0159.COMP	12	12:01	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0160.BDp332642	80	12:03	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0161.COMP	12	12:05	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0162-0171.BIAS	0	12:08	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0172-0181.FLAT	6	12:10	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0182-0191.BIAS	0	12:13	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0192-0201.FLAT	12	12:16	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	



UT Date 2004-04-28 Observers M Calkins

Coll. Focus 1000 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>
0202-0211.DARK	900	14:34	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	