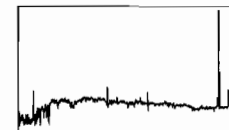


UT Date 2003-04-02 Observers M Calkins

Coll. Focus 810 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	2:12	07:43:44.8	+31:30:45	300	90	3.0	#2 SN Observat	4	
0002.DARK	900	2:28	07:58:55.7	+31:30:48	300	90	3.0	#2 SN Observat	4	
0003.DARK	900	2:43	08:14:02.9	+31:30:52	300	90	3.0	#2 SN Observat	4	
0004.DARK	900	3:28	08:59:53.8	+31:31:03	300	90	3.0	#2 SN Observat	4	
0005.DARK	900	3:43	09:15:01.2	+31:31:06	300	90	3.0	#2 SN Observat	4	
0006.DARK	900	3:59	09:30:11.9	+31:31:09	300	90	3.0	#2 SN Observat	4	
0007.DARK	900	4:14	09:45:19.4	+31:31:12	300	90	3.0	#2 SN Observat	4	
0008.DARK	900	4:29	10:00:30.3	+31:31:15	300	90	3.0	#2 SN Observat	4	
0009.DARK	900	4:44	10:15:37.7	+31:31:17	300	90	3.0	#2 SN Observat	4	
0010.DARK	900	4:59	10:30:48.8	+31:31:20	300	90	3.0	#2 SN Observat	4	
0011-0020.BIAS	0	5:15	10:32:06.6	+31:31:20	300	90	3.0	#2 SN Observat	4	
0021-0030.FLAT	6	6:03	11:20:00.3	+31:31:26	300	90	3.0	#2 SN Observat	4	
0031-0040.BIAS	0	6:08	11:25:12.7	+31:31:27	300	90	3.0	#2 SN Observat	2	
0041-0050.FLAT	12	6:12	11:29:28.7	+31:31:27	300	90	3.0	#2 SN Observat	2	
0051.Feige34	90	6:24	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	clouds at sunset
0052.COMP	5	6:26	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	comp level low...will incr exp times
0053.Feige34	120	6:29	10:36:41.2	43:21:50	300	-50	3.0	#56 Spectropho	2	
0054.COMP	15	6:31	10:36:41.2	43:21:50	300	-50	3.0	#56 Spectropho	2	
0055.GRB030329	1800	6:37	10:44:50.0	21:31:17	300	53	3.0	#126 GRB	2	
0056.GRB030329	1800	7:07	10:44:50.0	21:31:17	300	53	3.0	#126 GRB	2	

UT Date 2003-04-02 Observer CalkinsColl. Focus 810 Grating/Grism 300

File	Exp Time	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.COMP	15	10:44:50.0	21:31:17	300	53	3.0	#126 GRB	2	
0058.sn2003cg	1200	10:14:15.9	+03:28:02	300	49	3.0	#2 SN Observat	2	
0059.COMP	12	10:14:15.9	+03:28:02	300	49	3.0	#2 SN Observat	2	
0060.sn2003cs	1200	11:20:37.5	-04:54:32	300	49	3.0	#2 SN Observat	2	row=78
0061.sn2003cs	360	11:20:37.5	-04:54:32	300	49	3.0	#2 SN Observat	2	shorten exp for clouds...
0062.COMP	15	11:20:37.5	-04:54:32	300	49	3.0	#2 SN Observat	2	
0063-0072.DARK	900	11:20:37.5	-04:54:32	300	90	3.0	#2 SN Observat	2	

UT Date 2003-04-03 Observers M CalkinsColl. Focus 810 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	1:18	06:53:15.7	+31:30:32	300	90	3.0	#2 SN Observat	4	
0002.DARK	900	1:33	07:08:26.8	+31:30:35	300	90	3.0	#2 SN Observat	4	
0003.DARK	900	1:48	07:23:37.7	+31:30:39	300	90	3.0	#2 SN Observat	4	
0004.DARK	900	2:03	07:38:44.9	+31:30:43	300	90	3.0	#2 SN Observat	4	
0005-0013.BIAS	0	2:20	07:39:54.1	+31:30:43	300	90	3.0	#2 SN Observat	4	
0014.BIAS	0	2:20	07:40:02.6	+31:30:44	300	90	3.0	#2 SN Observat	4	
0015-0024.FLAT	6	2:22	07:42:21.7	+31:30:44	300	90	3.0	#2 SN Observat	4	
0025-0030.BIAS	0	2:24	07:43:48.7	+31:30:44	300	90	3.0	#2 SN Observat	2	
0031-0034.BIAS	0	2:24	07:44:40.8	+31:30:45	300	90	3.0	#2 SN Observat	2	
0035-0041.FLAT	12	2:27	07:47:34.0	+31:30:45	300	90	3.0	#2 SN Observat	2	
0042-0044.FLAT	12	2:28	07:48:47.7	+31:30:46	300	90	3.0	#2 SN Observat	2	
0045.Hiltner600	70	2:33	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0046.Hiltner600	70	2:34	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0047.COMP	12	2:36	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0048.Hiltner600	70	2:37	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0049.Hiltner600	70	2:38	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0050.COMP	5	2:40	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0051.Hiltner600	70	2:42	06:42:37.2	02:11:25	300	29	3.0	#56 Spectropho	2	
0052.Hiltner600	70	2:43	06:42:37.2	02:11:25	300	29	3.0	#56 Spectropho	2	
0053.COMP	12	2:45	06:42:37.2	02:11:25	300	29	3.0	#56 Spectropho	2	

UT Date 2003-04-03 Observers M CalkinsColl. Focus 810 Grating/Grism 300

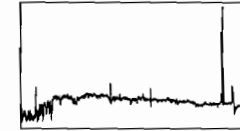
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0054.Akn120	300	2:47	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0055.COMP	12	2:53	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0056.MRK110	360	2:56	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0057.COMP	12	3:03	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0058.BGGem	300	3:06	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0059.COMP	12	3:12	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0060.BGGem	1200	3:13	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0061.COMP	12	3:33	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0062.sn2003ch	1200	3:36	07:17:57.9	+09:41:34	300	42	3.0	#2 SN Observat	2	row=84
0063.COMP	12	3:57	07:17:57.9	+09:41:34	300	42	3.0	#2 SN Observat	2	
0064.sn2003cg	1200	4:00	10:14:15.9	+03:28:02	300	-23	3.0	#2 SN Observat	2	
0065.COMP	12	4:21	10:14:15.9	+03:28:02	300	-23	3.0	#2 SN Observat	2	
0066.N3227	150	4:24	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0067.N3227	150	4:26	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0068.COMP	12	4:30	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0069.cairnsk2_159	1200	4:34	7:36:19.6	55:57:42	300	90	3.0	#64f Cluster I	2	
0070.COMP	12	4:55	7:36:19.6	55:57:42	300	90	3.0	#64f Cluster I	2	
0071.cairnsk2_160	1080	4:56	7:3:25.8	55:30:26	300	90	3.0	#64f Cluster I	2	
0072.COMP	12	5:15	7:3:25.8	55:30:26	300	90	3.0	#64f Cluster I	2	
0073.cairnsk2_161	900	5:16	7:20:17.5	54:11:15	300	90	3.0	#64f Cluster I	2	

UT Date 2003-04-03 Observers M CalkinsColl. Focus 810 Grating/Grism 300

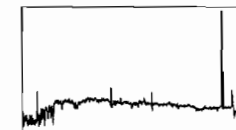
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0074.COMP	12	5:31	7:20:17.5	54:11:15	300	90	3.0	#64f Cluster I	2	
0075.cairnsk2_162	1020	5:33	7:15:4.3	53:29:10	300	90	3.0	#64f Cluster I	2	
0076.COMP	12	5:50	7:15:4.3	53:29:10	300	90	3.0	#64f Cluster I	2	
0077.cairnsk2_163	1200	5:53	7:18:35.3	57:31:36	300	90	3.0	#64f Cluster I	2	
0078.COMP	12	6:13	7:18:35.3	57:31:36	300	90	3.0	#64f Cluster I	2	
0079.sn2003cq	1200	6:25	11:56:14.1	+60:31:19	300	5	3.0	#2 SN Observat	2	need more counts, row=84
0080.COMP	12	6:46	11:56:14.1	+60:31:19	300	5	3.0	#2 SN Observat	2	
0081.sn2003cq	1200	6:47	11:56:14.1	+60:31:19	300	5	3.0	#2 SN Observat	2	
0082.COMP	12	7:07	11:56:14.1	+60:31:19	300	5	3.0	#2 SN Observat	2	
0083.MRK421	360	7:10	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0084.MRK421	360	7:16	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0085.COMP	12	7:23	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0086.f249	1200	7:24	13:16:14.7	+41:29:41	300	90	3.0	#135 Starburst	2	
0087.COMP	12	7:45	13:16:14.7	+41:29:41	300	90	3.0	#135 Starburst	2	
0088.f249a	360	7:47	13:16:06.7	+41:30:03	300	-20	3.0	#135 Starburst	2	
0089.COMP	12	7:53	13:16:06.7	+41:30:03	300	-20	3.0	#135 Starburst	2	
0090.f250	900	7:55	13:20:35.4	+34:08:22	300	-30	3.0	#135 Starburst	2	
0091.COMP	12	8:11	13:20:35.4	+34:08:22	300	-30	3.0	#135 Starburst	2	
0092.f253	1020	8:13	13:38:16.8	+27:46:18	300	30	3.0	#135 Starburst	2	
0093.COMP	12	8:30	13:38:16.8	+27:46:18	300	30	3.0	#135 Starburst	2	

UT Date 2003-04-03 Observ CalkinsColl. Focus 810 Grating/Grism 300

File	Exp Time t	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0094.f254	1200	13:38:25.5	+33:07:03	300	95	3.0	#135 Starburst	2	
0095.COMP	12	13:38:25.5	+33:07:03	300	95	3.0	#135 Starburst	2	
0096.f255	1020	13:41:12.0	+01:46:47	300	90	3.0	#135 Starburst	2	
0097.COMP	12	13:41:12.0	+01:46:47	300	90	3.0	#135 Starburst	2	
0098.f255a	1200	13:41:11.2	+01:47:01	300	90	3.0	#135 Starburst	2	
0099.COMP	12	13:41:11.2	+01:47:01	300	90	3.0	#135 Starburst	2	
0100.hs1248	1200	13:35:53.5	44:48:37	600	90	2.0	#122 Halo Star	4	600L, 2 arcsec, tilt=430
0101.COMP	10	13:35:53.5	44:48:37	600	90	2.0	#122 Halo Star	4	
0102.hs1249	900	13:37:04.6	42:25:23	600	90	2.0	#122 Halo Star	4	
0103.hs1249	900	13:37:04.6	42:25:23	600	90	2.0	#122 Halo Star	4	
0104.COMP	10	13:37:04.6	42:25:23	600	90	2.0	#122 Halo Star	4	
0105.hs1251	1200	13:41:08.6	44:48:29	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	13:41:08.6	44:48:29	600	90	2.0	#122 Halo Star	4	
0107.hs1254	1020	13:44:35.0	45:18:25	600	90	2.0	#122 Halo Star	4	
0108.hs1254	1020	13:44:35.0	45:18:25	600	90	2.0	#122 Halo Star	4	
0109.COMP	10	13:44:35.0	45:18:25	600	90	2.0	#122 Halo Star	4	
0110.hs1301	900	15:11:35.8	62:43:51	600	90	2.0	#122 Halo Star	4	
0111.hs1301	900	15:11:35.8	62:43:51	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	15:11:35.8	62:43:51	600	90	2.0	#122 Halo Star	4	
0113.hs1323	480	15:36:19.9	55:51:58	600	90	2.0	#122 Halo Star	4	

UT Date 2003-04-03 Observers M CalkinsColl. Focus 810 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0114.COMP	10	12:25	15:36:19.9	55:51:58	600	90	2.0	#122 Halo Star	4	
0115.BDp332642	30	12:27	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0116.BDp332642	30	12:27	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	12:28	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0118-0127.FLAT	40	12:37	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0128.sky	2	12:46	15:50:03	33:05:49	300	90	3.0	#57 Velocity S	4	combo setup
0129-0132.sky	2	12:47	15:50:03	33:05:49	300	90	3.0	#57 Velocity S	4	
0133.COMP	5	12:47	15:50:03	33:05:49	300	90	3.0	#57 Velocity S	4	
0134-0143.BIAS	0	12:49	15:50:03	33:05:49	300	90	3.0	#57 Velocity S	4	
0144-0153.FLAT	6	12:52	15:50:03	33:05:49	300	90	3.0	#57 Velocity S	4	
0154-0163.BIAS	0	12:54	15:50:03	33:05:49	300	90	3.0	#57 Velocity S	2	
0164-0173.FLAT	12	12:58	15:50:03	33:05:49	300	90	3.0	#57 Velocity S	2	
0174-0183.DARK	900	15:16	15:50:03	33:05:49	300	90	3.0	#57 Velocity S	2	



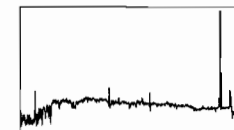
UT Date 2003-04-04 Observers M Calkins

Coll. Focus 810 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0008.DARK	900	1:24	15:50:03	33:05:49	300	90	3.0	#57 Velocity S	2	
0009-0018.BIAS	0	1:43	15:50:03	33:05:49	300	90	3.0	#57 Velocity S	2	
0019-0028.FLAT	12	1:52	15:50:03	33:05:49	300	90	3.0	#57 Velocity S	2	
0029-0033.sky	2	2:08	15:50:03	33:05:49	300	90	3.0	#57 Velocity S	4	NO FLATS For BIN 314 sky
0034.COMP	5	2:09	15:50:03	33:05:49	300	90	3.0	#57 Velocity S	4	
0035.Hiltner600	70	2:27	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0036.Hiltner600	70	2:29	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0037.COMP	12	2:30	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0038.HD52071	2	2:34	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0039.HD52071	2	2:34	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0040.COMP	12	2:35	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0041.2M05325752p1345092	1200	2:38	05:32:57.5	+13:45:09	300	90	3.0	#68 2MASS Reds	2	H alpha
0042.COMP	12	2:59	05:32:57.5	+13:45:09	300	90	3.0	#68 2MASS Reds	2	
0043.2M05344186p1317239	720	3:01	05:34:41.8	+13:17:23	300	90	3.0	#68 2MASS Reds	2	row=84
0044.COMP	12	3:14	05:34:41.8	+13:17:23	300	90	3.0	#68 2MASS Reds	2	
0045.2M05390599p0658250	600	3:16	05:39:05.9	+06:58:25	300	90	3.0	#68 2MASS Reds	2	
0046.COMP	12	3:26	05:39:05.9	+06:58:25	300	90	3.0	#68 2MASS Reds	2	
0047.COMP	35	3:35	11:03:00.5	+31:58:16	600	7	2.0	#88 Mass Funct	2	600L, 2arcsec, tilt=494
0048.MF0001	1200	3:36	11:03:00.5	+31:58:16	600	7	2.0	#88 Mass Funct	2	
0049.MF0001	1200	3:56	11:03:00.5	+31:58:16	600	7	2.0	#88 Mass Funct	2	

29-33 - NOT reduced - NO FLATS

DARKS AT BEGINNING + ENDING OF NIGHT HAVE VERY DIFF MEANJ
 ~20 for beginning of night, ~2 for end of night - structure at
 blue end.

UT Date 2003-04-04 Observers M CalkinsColl. Focus 810 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0050.MF0001	1200	4:16	11:03:00.5	+31:58:16	600	7	2.0	#88 Mass Funct	2	
0051.COMP	35	4:37	11:03:00.5	+31:58:16	600	7	2.0	#88 Mass Funct	2	
0052.Feige34	120	4:40	10:36:41.2	43:21:50	600	35	2.0	#56 Spectropho	2	
0053.COMP	35	4:42	10:36:41.2	43:21:50	600	35	2.0	#56 Spectropho	2	
0054.HD100006	51	4:45	11:30:29.0	18:24:35	600	90	2.0	#88f Mass Func	2	
0055.COMP	35	4:46	11:30:29.0	18:24:35	600	90	2.0	#88f Mass Func	2	
0056.HD100006	54	4:47	11:30:29.0	18:24:35	600	90	2.0	#88f Mass Func	2	
0057.COMP	35	4:49	11:30:29.0	18:24:35	600	90	2.0	#88f Mass Func	2	
0058.NGC4278	180	4:51	12:17:36.1	29:33:29	600	103	2.0	#88f Mass Func	2	
0059.NGC4278	180	4:54	12:17:36.1	29:33:29	600	103	2.0	#88f Mass Func	2	
0060.NGC4278	180	4:58	12:17:36.1	29:33:29	600	103	2.0	#88f Mass Func	2	
0061.COMP	35	5:01	12:17:36.1	29:33:29	600	103	2.0	#88f Mass Func	2	
0062.COMP	35	5:06	10:49:10.0	+29:48:57	600	10	2.0	#88 Mass Funct	2	
0063.MF7123	600	5:07	10:49:10.0	+29:48:57	600	10	2.0	#88 Mass Funct	2	
0064.MF7123	600	5:17	10:49:10.0	+29:48:57	600	10	2.0	#88 Mass Funct	2	
0065.MF7123	600	5:28	10:49:10.0	+29:48:57	600	10	2.0	#88 Mass Funct	2	
0066.COMP	35	5:39	10:49:10.0	+29:48:57	600	10	2.0	#88 Mass Funct	2	
0067.MF7027	450	5:43	10:00:57.2	+03:08:30	600	-20	2.0	#88 Mass Funct	2	
0068.MF7027	450	5:50	10:00:57.2	+03:08:30	600	-20	2.0	#88 Mass Funct	2	
0069.COMP	35	5:59	10:00:57.2	+03:08:30	600	-20	2.0	#88 Mass Funct	2	

UT Date 2003-04-04 Observers M CalkinsColl. Focus 810 Grating/Grism 600

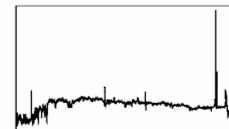
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.MF7139	450	6:03	10:25:46.3	+13:43:0	600	-50	2.0	#88 Mass Funct	2	
0071.MF7139	450	6:11	10:25:46.3	+13:43:0	600	-50	2.0	#88 Mass Funct	2	
0072.COMP	35	6:19	10:25:46.3	+13:43:0	600	-50	2.0	#88 Mass Funct	2	
0073.MF4063	450	6:24	12:04:51.1	+63:07:53	600	75	2.0	#88 Mass Funct	2	
0074.MF4063	450	6:31	12:04:51.1	+63:07:53	600	75	2.0	#88 Mass Funct	2	
0075.COMP	35	6:40	12:04:51.1	+63:07:53	600	75	2.0	#88 Mass Funct	2	
0076.MF7073	450	6:45	10:12:11.7	+04:55:24	600	-5	2.0	#88 Mass Funct	2	
0077.MF7073	450	6:52	10:12:11.7	+04:55:24	600	-5	2.0	#88 Mass Funct	2	
0078.COMP	35	7:00	10:12:11.7	+04:55:24	600	-5	2.0	#88 Mass Funct	2	
0079.MF4039	450	7:06	11:05:04.6	+35:21:56	600	15	2.0	#88 Mass Funct	2	clouds, get again....
0080.MF4039	450	7:13	11:05:04.6	+35:21:56	600	15	2.0	#88 Mass Funct	2	
0081.MF4039	450	7:21	11:05:04.6	+35:21:56	600	15	2.0	#88 Mass Funct	2	
0082.MF4039	450	7:29	11:05:04.6	+35:21:56	600	15	2.0	#88 Mass Funct	2	
0083.COMP	35	7:37	11:05:04.6	+35:21:56	600	15	2.0	#88 Mass Funct	2	
0084.HD114093	49	7:40	13:08:02.4	24:49:52	600	90	2.0	#88f Mass Func	2	
0085.COMP	35	7:42	13:08:02.4	24:49:52	600	90	2.0	#88f Mass Func	2	
0086.NGC4621	180	7:45	12:39:31.2	11:55:15	600	16	2.0	#88f Mass Func	2	
0087.NGC4621	180	7:48	12:39:31.2	11:55:15	600	16	2.0	#88f Mass Func	2	
0088.NGC4621	180	7:51	12:39:31.2	11:55:15	600	16	2.0	#88f Mass Func	2	
0089.COMP	35	7:55	12:39:31.2	11:55:15	600	16	2.0	#88f Mass Func	2	

UT Date 2003-04-04 Observers M CalkinsColl. Focus 810 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.COMP	35	8:02	12:01:41.0	+04:46:11	600	-40	2.0	#88 Mass Funct	2	
0091.MF7076	450	8:03	12:01:41.0	+04:46:11	600	-40	2.0	#88 Mass Funct	2	pesky clouds...
0092.MF7076	450	8:10	12:01:41.0	+04:46:11	600	-40	2.0	#88 Mass Funct	2	
0093.MF7076	450	8:18	12:01:41.0	+04:46:11	600	-40	2.0	#88 Mass Funct	2	
0094.MF7076	450	8:26	12:01:41.0	+04:46:11	600	-40	2.0	#88 Mass Funct	2	
0095.MF7076	450	8:34	12:01:41.0	+04:46:11	600	-40	2.0	#88 Mass Funct	2	
0096.COMP	35	8:42	12:01:41.0	+04:46:11	600	-40	2.0	#88 Mass Funct	2	
0097.COMP	35	8:45	12:56:44.0	+30:43:8	600	-15	2.0	#88 Mass Funct	2	
0098.MF0035	900	8:46	12:56:44.0	+30:43:8	600	-15	2.0	#88 Mass Funct	2	
0099.MF0035	900	9:01	12:56:44.0	+30:43:8	600	-15	2.0	#88 Mass Funct	2	
0100.MF0035	900	9:17	12:56:44.0	+30:43:8	600	-15	2.0	#88 Mass Funct	2	
0101.COMP	35	9:32	12:56:44.0	+30:43:8	600	-15	2.0	#88 Mass Funct	2	
0102.COMP	35	9:37	13:58:42.2	+13:27:22	600	-40	2.0	#88 Mass Funct	2	
0103.MF7074	900	9:38	13:58:42.2	+13:27:22	600	-40	2.0	#88 Mass Funct	2	
0104.MF7074	900	9:53	13:58:42.2	+13:27:22	600	-40	2.0	#88 Mass Funct	2	
0105.MF7074	900	10:08	13:58:42.2	+13:27:22	600	-40	2.0	#88 Mass Funct	2	
0106.COMP	35	10:24	13:58:42.2	+13:27:22	600	-40	2.0	#88 Mass Funct	2	
0107.HD140716	55	10:27	15:43:59.3	32:30:56	600	90	2.0	#88f Mass Func	2	
0108.COMP	35	10:29	15:43:59.3	32:30:56	600	90	2.0	#88f Mass Func	2	
0109.BDp332642	180	10:32	15:50:03	33:05:49	600	-31	2.0	#56 Spectropho	2	

UT Date 2003-04-04 Observers M CalkinsColl. Focus 810 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0110.COMP	35	10:35	15:50:03	33:05:49	600	-31	2.0	#56 Spectropho	2	
0111.NGC4839	180	10:40	12:54:59.0	27:46:00	600	79	2.0	#88f Mass Func	2	bad standard
0112.NGC4839	180	10:43	12:54:59.0	27:46:00	600	79	2.0	#88f Mass Func	2	
0113.NGC4839	180	10:46	12:54:59.0	27:46:00	600	79	2.0	#88f Mass Func	2	
0114.COMP	35	10:50	12:54:59.0	27:46:00	600	79	2.0	#88f Mass Func	2	
0115.NGC5846	240	10:53	15:03:56.9	01:47:53	600	27	2.0	#88f Mass Func	2	
0116.NGC5846	240	10:57	15:03:56.9	01:47:53	600	27	2.0	#88f Mass Func	2	
0117.NGC5846	240	11:01	15:03:56.9	01:47:53	600	27	2.0	#88f Mass Func	2	
0118.COMP	35	11:06	15:03:56.9	01:47:53	600	27	2.0	#88f Mass Func	2	
0119.COMP	35	11:10	14:33:58.0	+03:44:47	600	-50	2.0	#88 Mass Funct	2	
0120.MF7020	900	11:12	14:33:58.0	+03:44:47	600	-50	2.0	#88 Mass Funct	2	
0121.MF7020	900	11:27	14:33:58.0	+03:44:47	600	-50	2.0	#88 Mass Funct	2	
0122.MF7020	900	11:42	14:33:58.0	+03:44:47	600	-50	2.0	#88 Mass Funct	2	
0123.COMP	35	11:58	14:33:58.0	+03:44:47	600	-50	2.0	#88 Mass Funct	2	
0124.N5866	180	12:07	15:05:07.2	+55:57:18	600	-50	2.0	#57 Velocity S	2	
0125.N5866	180	12:10	15:05:07.2	+55:57:18	600	-50	2.0	#57 Velocity S	2	
0126.N5866	180	12:13	15:05:07.2	+55:57:18	600	-50	2.0	#57 Velocity S	2	
0127.COMP	35	12:17	15:05:07.2	+55:57:18	600	-50	2.0	#57 Velocity S	2	
0128.PG1708p602	300	12:21	17:08:35.9	60:13:52	600	-16	2.0	#56 Spectropho	2	
0129.COMP	35	12:27	17:08:35.9	60:13:52	600	-16	2.0	#56 Spectropho	2	

UT Date 2003-04-04 Obser CalkinsColl. Focus 810 Grating/Grism 600

<i>File</i>	<i>Exp^r Timert</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0130.HD166842	629	18:11:32.0	25:33:40	600	90	2.0	#88f Mass Func	2	
0131.COMP	381	18:11:32.0	25:33:40	600	90	2.0	#88f Mass Func	2	
0132-0136.sky	23	18:11:32.0	25:33:40	600	90	2.0	#57 Velocity S	2	
0137.COMP	383	18:11:32.0	25:33:40	600	90	2.0	#57 Velocity S	2	
0138-0147.BIAS	07	18:11:32.0	25:33:40	600	90	2.0	#57 Velocity S	2	
0148-0157.FLAT	406	18:11:32.0	25:33:40	600	90	2.0	#57 Velocity S	2	
0158-0167.DARK	9064	18:11:32.0	25:33:40	600	90	2.0	#57 Velocity S	2	

UT Date 2003-04-05 Observers P BerlindColl. Focus 580 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	1:59	07:27:13.8	+31:30:40	600	90	2.0	#57 Velocity S	2	
0011.FLAT	55	2:00	07:28:40.4	+31:30:41	600	90	2.0	#57 Velocity S	2	massfunc abs
0012-0013.FLAT	55	2:02	07:30:55.3	+31:30:41	600	90	2.0	#57 Velocity S	2	
0014-0017.FLAT	55	2:06	07:35:24.6	+31:30:42	600	90	2.0	#57 Velocity S	2	
0018-0021.FLAT	55	2:11	07:39:57.4	+31:30:43	600	90	2.0	#57 Velocity S	2	
0022-0024.FLAT	55	2:14	07:43:21.1	+31:30:44	600	90	2.0	#57 Velocity S	2	
0025.FLAT	55	2:15	07:44:09.1	+31:30:45	600	90	2.0	#57 Velocity S	2	
0026.COMP	20	2:39	7:47:00	32:00:00	600	90	2.0	#57 Velocity S	2	600-line, 2-sec, blue
0027.COMP	20	2:41	7:47:00	32:00:00	600	90	2.0	#57 Velocity S	2	
0028.HD34559	30	2:47	05:19:16.6	22:05:47	600	90	2.0	#88f Mass Func	2	
0029.HD34559	30	2:49	05:19:16.6	22:05:47	600	90	2.0	#88f Mass Func	2	
0030.COMP	20	2:50	05:19:16.6	22:05:47	600	90	2.0	#88f Mass Func	2	
0031.HD48433	30	2:51	06:43:59.3	13:13:40	600	90	2.0	#88f Mass Func	2	
0032.HD48433	30	2:52	06:43:59.3	13:13:40	600	90	2.0	#88f Mass Func	2	
0033.COMP	20	2:53	06:43:59.3	13:13:40	600	90	2.0	#88f Mass Func	2	
0034.COMP	20	3:00	10:22:24.3	+03:59:49	600	60	2.0	#88 Mass Funct	2	
0035.MF7017	720	3:01	10:22:24.3	+03:59:49	600	60	2.0	#88 Mass Funct	2	
0036.MF7017	720	3:14	10:22:24.3	+03:59:49	600	60	2.0	#88 Mass Funct	2	
0037.COMP	20	3:26	10:22:24.3	+03:59:49	600	60	2.0	#88 Mass Funct	2	
0038.COMP	20	3:27	10:30:10.7	-03:09:47	600	40	2.0	#88 Mass Funct	2	

UT Date 2003-04-05 Observers P BerlindColl. Focus 580 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0039.MF6005	900	3:28	10:30:10.7	-03:09:47	600	40	2.0	#88 Mass Funct	2	
0040.MF6005	900	3:44	10:30:10.7	-03:09:47	600	40	2.0	#88 Mass Funct	2	
0041.MF6005	900	3:59	10:30:10.7	-03:09:47	600	40	2.0	#88 Mass Funct	2	
0042.COMP	20	4:14	10:30:10.7	-03:09:47	600	40	2.0	#88 Mass Funct	2	
0043.COMP	20	4:16	10:56:15.4	+09:45:15	600	50	2.0	#88 Mass Funct	2	
0044.MF7049	900	4:17	10:56:15.4	+09:45:15	600	50	2.0	#88 Mass Funct	2	
0045.MF7049	900	4:32	10:56:15.4	+09:45:15	600	50	2.0	#88 Mass Funct	2	
0046.COMP	20	4:48	10:56:15.4	+09:45:15	600	50	2.0	#88 Mass Funct	2	
0047.COMP	20	4:49	10:44:12.2	+06:45:32	600	90	2.0	#88 Mass Funct	2	
0048.MF7140	900	4:50	10:44:12.2	+06:45:32	600	90	2.0	#88 Mass Funct	2	
0049.MF7140	900	5:05	10:44:12.2	+06:45:32	600	90	2.0	#88 Mass Funct	2	
0050.COMP	20	5:20	10:44:12.2	+06:45:32	600	90	2.0	#88 Mass Funct	2	
0051.COMP	20	5:22	11:12:12.1	+27:37:29	600	25	2.0	#88 Mass Funct	2	
0052.MF0009	1200	5:23	11:12:12.1	+27:37:29	600	25	2.0	#88 Mass Funct	2	
0053.MF0009	1200	5:43	11:12:12.1	+27:37:29	600	25	2.0	#88 Mass Funct	2	
0054.MF0009	1200	6:03	11:12:12.1	+27:37:29	600	25	2.0	#88 Mass Funct	2	
0055.COMP	20	6:25	11:12:12.1	+27:37:29	600	25	2.0	#88 Mass Funct	2	
0056.COMP	20	6:27	10:40:55.1	+05:59:28	600	-65	2.0	#88 Mass Funct	2	
0057.MF7133	900	6:28	10:40:55.1	+05:59:28	600	-65	2.0	#88 Mass Funct	2	
0058.MF7133	900	6:44	10:40:55.1	+05:59:28	600	-65	2.0	#88 Mass Funct	2	

UT Date 2003-04-05 Observers P BerlindColl. Focus 580 Grating/Grism 600

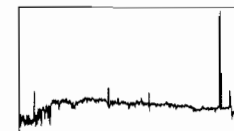
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0059.COMP	20	6:59	10:40:55.1	+05:59:28	600	-65	2.0	#88 Mass Funct	2	
0060.COMP	20	7:01	11:20:50.5	+19:22:26	600	-70	2.0	#88 Mass Funct	2	
0061.MF0010	900	7:02	11:20:50.5	+19:22:26	600	-70	2.0	#88 Mass Funct	2	
0062.MF0010	900	7:17	11:20:50.5	+19:22:26	600	-70	2.0	#88 Mass Funct	2	
0063.COMP	20	7:33	11:20:50.5	+19:22:26	600	-70	2.0	#88 Mass Funct	2	
0064.COMP	20	7:35	11:10:25.7	+03:59:11	600	-60	2.0	#88 Mass Funct	2	
0065.MF7146	900	7:35	11:10:25.7	+03:59:11	600	-60	2.0	#88 Mass Funct	2	
0066.MF7146	900	7:51	11:10:25.7	+03:59:11	600	-60	2.0	#88 Mass Funct	2	
0067.COMP	20	8:06	11:10:25.7	+03:59:11	600	-60	2.0	#88 Mass Funct	2	
0068.Feige34	240	8:10	10:36:41.2	43:21:50	600	93	2.0	#88f Mass Func	2	
0069.Feige34	240	8:14	10:36:41.2	43:21:50	600	93	2.0	#88f Mass Func	2	
0070.COMP	20	8:18	10:36:41.2	43:21:50	600	93	2.0	#88f Mass Func	2	
0071.COMP	20	8:20	11:45:20.8	32:43:20	600	5	2.0	#88f Mass Func	2	
0072.MF0018	900	8:21	11:45:20.8	32:43:20	600	5	2.0	#88f Mass Func	2	
0073.MF0018	900	8:36	11:45:20.8	32:43:20	600	5	2.0	#88f Mass Func	2	
0074.MF0018	900	8:52	11:45:20.8	32:43:20	600	5	2.0	#88f Mass Func	2	
0075.COMP	20	9:07	11:45:20.8	32:43:20	600	5	2.0	#88f Mass Func	2	
0076.COMP	20	9:10	12:05:34.9	+25:05:49	600	30	2.0	#88 Mass Funct	2	
0077.MF7137	900	9:11	12:05:34.9	+25:05:49	600	30	2.0	#88 Mass Funct	2	
0078.MF7137	900	9:26	12:05:34.9	+25:05:49	600	30	2.0	#88 Mass Funct	2	

UT Date 2003-04-05 Observers P BerlindColl. Focus 580 Grating/Grism 600

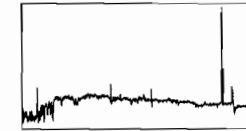
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0079.COMP	20	9:42	12:05:34.9	+25:05:49	600	30	2.0	#88 Mass Funct	2	
0080.NGC4365	240	9:44	12:21:54.9	07:35:42	600	40	2.0	#88f Mass Func	2	
0081.NGC4365	240	9:48	12:21:54.9	07:35:42	600	40	2.0	#88f Mass Func	2	
0082.COMP	20	9:52	12:21:54.9	07:35:42	600	40	2.0	#88f Mass Func	2	
0083.NGC4473	240	9:54	12:27:17.1	13:42:20	600	100	2.0	#88f Mass Func	2	
0084.NGC4473	240	9:58	12:27:17.1	13:42:20	600	100	2.0	#88f Mass Func	2	
0085.COMP	20	10:02	12:27:17.1	13:42:20	600	100	2.0	#88f Mass Func	2	
0086.NGC5846	240	10:04	15:03:56.9	01:47:53	600	90	2.0	#88f Mass Func	2	
0087.NGC5846	240	10:08	15:03:56.9	01:47:53	600	90	2.0	#88f Mass Func	2	
0088.COMP	20	10:12	15:03:56.9	01:47:53	600	90	2.0	#88f Mass Func	2	
0089.BDp332642	180	10:14	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0090.BDp332642	180	10:21	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0091.COMP	20	10:24	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0092.COMP	20	10:27	14:33:59.2	+03:46:38	600	20	2.0	#88 Mass Funct	2	
0093.MF6013	900	10:27	14:33:59.2	+03:46:38	600	20	2.0	#88 Mass Funct	2	
0094.MF6013	900	10:43	14:33:59.2	+03:46:38	600	20	2.0	#88 Mass Funct	2	
0095.MF6013	900	10:58	14:33:59.2	+03:46:38	600	20	2.0	#88 Mass Funct	2	
0096.COMP	20	11:13	14:33:59.2	+03:46:38	600	20	2.0	#88 Mass Funct	2	
0097.COMP	20	11:15	14:40:42.8	+03:27:53	600	20	2.0	#88 Mass Funct	2	
0098.MF6014	900	11:15	14:40:42.8	+03:27:53	600	20	2.0	#88 Mass Funct	2	

UT Date 2003-04-05 Observers P BerlindColl. Focus 580 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0099.MF6014	900	11:31	14:40:42.8	+03:27:53	600	15	2.0	#88 Mass Funct	2	
0100.MF6014	900	11:47	14:40:42.8	+03:27:53	600	15	2.0	#88 Mass Funct	2	
0101.COMP	20	12:02	14:40:42.8	+03:27:53	600	15	2.0	#88 Mass Funct	2	
0102.ad1604p3811	600	12:04	16:04:33.6	38:11:24	600	100	2.0	#126 GRB	2	
0103.COMP	20	12:15	16:04:33.6	38:11:24	600	100	2.0	#126 GRB	2	
0104.HD147677	30	12:17	16:22:05.8	30:53:31	600	90	2.0	#88f Mass Func	2	
0105.HD147677	30	12:18	16:22:05.8	30:53:31	600	90	2.0	#88f Mass Func	2	
0106.COMP	20	12:18	16:22:05.8	30:53:31	600	90	2.0	#88f Mass Func	2	
0107.HD152224	45	12:20	16:50:43.1	32:33:13	600	90	2.0	#88f Mass Func	2	
0108.HD152224	45	12:21	16:50:43.1	32:33:13	600	90	2.0	#88f Mass Func	2	
0109.COMP	20	12:22	16:50:43.1	32:33:13	600	90	2.0	#88f Mass Func	2	
0110.HD156874	45	12:23	17:18:48.5	28:49:22	600	90	2.0	#88f Mass Func	2	
0111.HD156874	45	12:24	17:18:48.5	28:49:22	600	90	2.0	#88f Mass Func	2	
0112.COMP	20	12:25	17:18:48.5	28:49:22	600	90	2.0	#88f Mass Func	2	
0113-0122.BIAS	0	12:29	17:18:48.5	28:49:22	600	90	2.0	#57 Velocity S	2	
0123-0132.FLAT	55	12:40	17:18:48.5	28:49:22	600	90	2.0	#57 Velocity S	2	
0133-0142.DARK	1200	15:43	17:18:48.5	28:49:22	600	90	2.0	#57 Velocity S	2	

UT Date 2003-04-06 Observers P BerlindColl. Focus 560 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	1200	20:34	17:18:48.5	28:49:22	600	90	2.0	#57 Velocity S	2	mass func em
0002-0010.DARK	1200	23:36	17:18:48.5	28:49:22	600	90	2.0	#57 Velocity S	2	
0011.BIAS	0	1:31	17:18:48.5	28:49:22	600	90	2.0	#57 Velocity S	2	600-line, 2-sec, red
0012-0020.BIAS	0	1:33	17:18:48.5	28:49:22	600	90	2.0	#57 Velocity S	2	
0021.FLAT	30	1:33	17:18:48.5	28:49:22	600	90	2.0	#57 Velocity S	2	bad uv flood
0022-0040.FLAT	30	1:47	17:18:48.5	28:49:22	600	90	2.0	#57 Velocity S	2	
0041.COMP	10	2:39	09:20:02.1	+01:02:18	600	20	2.0	#88 Mass Funct	2	
0042.MF6002	780	2:40	09:20:02.1	+01:02:18	600	20	2.0	#88 Mass Funct	2	
0043.MF6002	780	2:53	09:20:02.1	+01:02:18	600	20	2.0	#88 Mass Funct	2	
0044.COMP	10	3:07	09:20:02.1	+01:02:18	600	20	2.0	#88 Mass Funct	2	
0045.COMP	10	3:09	10:00:57.2	+03:08:30	600	-20	2.0	#88 Mass Funct	2	
0046.MF7027	900	3:10	10:00:57.2	+03:08:30	600	-20	2.0	#88 Mass Funct	2	
0047.MF7027	900	3:26	10:00:57.2	+03:08:30	600	-20	2.0	#88 Mass Funct	2	
0048.COMP	10	3:41	10:00:57.2	+03:08:30	600	-20	2.0	#88 Mass Funct	2	
0049.COMP	10	3:43	10:00:30.3	-02:58:10	600	-45	2.0	#88 Mass Funct	2	
0050.MF6003	600	3:44	10:00:30.3	-02:58:10	600	-45	2.0	#88 Mass Funct	2	
0051.MF6003	600	3:55	10:00:30.3	-02:58:10	600	-45	2.0	#88 Mass Funct	2	
0052.COMP	10	4:05	10:00:30.3	-02:58:10	600	-45	2.0	#88 Mass Funct	2	
0053.COMP	10	4:08	10:12:11.7	+04:55:24	600	-5	2.0	#88 Mass Funct	2	
0054.MF7073	900	4:08	10:12:11.7	+04:55:24	600	-5	2.0	#88 Mass Funct	2	

UT Date 2003-04-06 Observers P BerlindColl. Focus 560 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>
0055.MF7073	900	4:24	10:12:11.7	+04:55:24	600	-5	2.0	#88 Mass Funct	2	
0056.COMP	10	4:39	10:12:11.7	+04:55:24	600	-5	2.0	#88 Mass Funct	2	
0057.COMP	10	4:41	10:22:24.3	+03:59:49	600	60	2.0	#88 Mass Funct	2	
0058.MF7017	900	4:45	10:22:24.3	+03:59:49	600	60	2.0	#88 Mass Funct	2	
0059.MF7017	900	5:01	10:22:24.3	+03:59:49	600	60	2.0	#88 Mass Funct	2	
0060.COMP	10	5:16	10:22:24.3	+03:59:49	600	60	2.0	#88 Mass Funct	2	
0061.COMP	10	5:17	10:25:46.3	+13:43:0	600	0	2.0	#88 Mass Funct	2	
0062.MF7139	900	5:18	10:25:46.3	+13:43:0	600	0	2.0	#88 Mass Funct	2	
0063.MF7139	900	5:34	10:25:46.3	+13:43:0	600	0	2.0	#88 Mass Funct	2	
0064.COMP	10	5:49	10:25:46.3	+13:43:0	600	0	2.0	#88 Mass Funct	2	
0065.Feige34	300	5:58	10:36:41.2	43:21:50	600	0	2.0	#88f Mass Funct	2	
0066.Feige34	300	6:03	10:36:41.2	43:21:50	600	0	2.0	#88f Mass Funct	2	
0067.COMP	10	6:08	10:36:41.2	43:21:50	600	0	2.0	#88f Mass Funct	2	
0068.COMP	10	6:11	10:44:12.2	+06:45:32	600	90	2.0	#88 Mass Funct	2	
0069.MF7140	900	6:11	10:44:12.2	+06:45:32	600	90	2.0	#88 Mass Funct	2	
0070.MF7140	900	6:27	10:44:12.2	+06:45:32	600	90	2.0	#88 Mass Funct	2	
0071.COMP	10	6:42	10:44:12.2	+06:45:32	600	90	2.0	#88 Mass Funct	2	dome failure, bad tire and rim
0072.COMP	10	6:58	10:49:10.0	+29:48:57	600	90	2.0	#88 Mass Funct	2	
0073.MF7123	1200	6:59	10:49:10.0	+29:48:57	600	10	2.0	#88 Mass Funct	2	
0074.MF7123	1200	7:19	10:49:10.0	+29:48:57	600	10	2.0	#88 Mass Funct	2	

UT Date 2003-04-06 Observers P BerlindColl. Focus 560 Grating/Grism 600

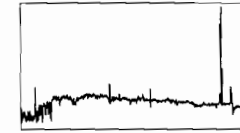
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0075.COMP	10	7:39	10:49:10.0	+29:48:57	600	10	2.0	#88 Mass Funct	2	
0076.COMP	10	7:41	10:56:15.4	+09:45:15	600	50	2.0	#88 Mass Funct	2	
0077.MF7049	900	7:42	10:56:15.4	+09:45:15	600	50	2.0	#88 Mass Funct	2	
0078.MF7049	900	7:57	10:56:15.4	+09:45:15	600	50	2.0	#88 Mass Funct	2	
0079.MF7049	900	8:12	10:56:15.4	+09:45:15	600	50	2.0	#88 Mass Funct	2	
0080.COMP	10	8:28	10:56:15.4	+09:45:15	600	50	2.0	#88 Mass Funct	2	
0081.COMP	10	8:30	11:12:12.1	+27:37:29	600	25	2.0	#88 Mass Funct	2	
0082.MF0009	720	8:31	11:12:12.1	+27:37:29	600	25	2.0	#88 Mass Funct	2	
0083.MF0009	720	8:43	11:12:12.1	+27:37:29	600	25	2.0	#88 Mass Funct	2	
0084.COMP	10	8:56	11:12:12.1	+27:37:29	600	25	2.0	#88 Mass Funct	2	
0085.COMP	10	8:58	11:45:20.8	+32:43:20	600	5	2.0	#88 Mass Funct	2	
0086.MF0018	1200	8:59	11:45:20.8	+32:43:20	600	5	2.0	#88 Mass Funct	2	
0087.MF0018	1200	9:19	11:45:20.8	+32:43:20	600	5	2.0	#88 Mass Funct	2	
0088.MF0018	1200	9:39	11:45:20.8	+32:43:20	600	5	2.0	#88 Mass Funct	2	
0089.COMP	10	10:00	11:45:20.8	+32:43:20	600	5	2.0	#88 Mass Funct	2	
0090.COMP	10	10:01	13:00:04.4	+27:59:15	600	40	2.0	#88 Mass Funct	2	
0091.MF7006	720	10:03	13:00:04.4	+27:59:15	600	40	2.0	#88 Mass Funct	2	
0092.MF7006	720	10:15	13:00:04.4	+27:59:15	600	40	2.0	#88 Mass Funct	2	
0093.COMP	10	10:27	13:00:04.4	+27:59:15	600	40	2.0	#88 Mass Funct	2	No objects are observable. Go to bed.
0094.BDp332642	300	10:32	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	

UT Date 2003-04-06 Observers P BerlindColl. Focus 560 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>
0095.BDp332642	300	10:37	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0096.COMP	10	10:43	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0097.ad1604p3811	600	10:59	16:04:33.6	38:11:24	600	90	2.0	#126 GRB	2	
0098.COMP	10	11:12	16:04:33.6	38:11:24	600	90	2.0	#126 GRB	2	
0099-0108.BIAS	0	11:15	16:04:33.6	38:11:24	600	90	2.0	#57 Velocity S	2	
0109-0118.FLAT	30	11:22	16:04:33.6	38:11:24	600	90	2.0	#57 Velocity S	2	

UT Date 2003-04-07 Observers P BerlindColl. Focus 575 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	23:02	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	4	
0011.DARK	900	23:17	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	2	dome wheel still broken
0012-0015.DARK	900	0:18	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	2	
0016.floodtest	45	0:38	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	1	manual dome control
0017.COMP	5	0:46	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	4	
0018.COMP	30	0:51	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	1	
0019-0020.BIAS	0	0:58	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	4	
0021.fastfoc	10	1:00	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	2	
0022.fastfoc	10	1:00	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	2	
0023.fastfoc	10	1:01	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	2	
0024.fastfoc	10	1:01	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	2	
0025.fastfoc	10	1:01	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	2	
0026.fastfoc	10	1:02	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	2	
0027.fastfoc	10	1:02	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	2	
0028.fastfoc	10	1:03	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	2	
0029.fastfoc	10	1:03	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	2	
0030.COMP	5	1:05	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	4	
0031-0040.BIAS	0	1:07	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	4	
0041.FLAT	8	1:08	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	4	clear skies!
0042-0050.FLAT	8	1:11	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	4	



UT Date 2003-04-07 Observers P Berlind

Coll. Focus 575 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0051-0060.BIAS	0	1:13	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	2	
0061-0070.FLAT	16	1:19	16:04:33.6	38:11:24	300	90	3.0	#57 Velocity S	2	
0071-0075.sky	3	2:00	7:30:00	20:00:00	300	90	3.0	#57 Velocity S	4	
0076.COMP	5	2:01	7:30:00	20:00:00	300	90	3.0	#57 Velocity S	4	
0077.Hiltner600	150	2:41	06:42:37.2	02:11:25	300	35	3.0	#56 Spectropho	2	
0078.Hiltner600	150	2:44	06:42:37.2	02:11:25	300	35	3.0	#56 Spectropho	2	
0079.COMP	10	2:47	06:42:37.2	02:11:25	300	35	3.0	#56 Spectropho	2	
0080.vso-34584	900	2:49	06:04:21.5	-05:55:02	300	35	3.0	#112 Orion PMS	2	
0081.COMP	10	3:04	06:04:21.5	-05:55:02	300	35	3.0	#112 Orion PMS	2	
0082.vso-34695	900	3:05	06:04:31.8	-05:47:54	300	35	3.0	#112 Orion PMS	2	
0083.COMP	10	3:21	06:04:31.8	-05:47:54	300	35	3.0	#112 Orion PMS	2	
0084.vso-49369	900	3:22	06:04:37.3	-03:59:52	300	45	3.0	#112 Orion PMS	2	
0085.COMP	10	3:38	06:04:37.3	-03:59:52	300	45	3.0	#112 Orion PMS	2	
0086.BGGem	1200	3:40	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0087.BGGem	360	4:01	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0088.COMP	10	4:07	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0089.sn2003cg	1200	4:12	10:14:15.9	+03:28:02	300	0	3.0	#2 SN Observat	2	
0090.COMP	10	4:32	10:14:15.9	+03:28:02	300	0	3.0	#2 SN Observat	2	
0091.GRB030329	1200	4:39	10:44:50.0	21:31:17	300	0	3.0	#126 GRB	2	no
0092.GRB030329	1200	5:00	10:44:50.0	21:31:17	300	0	3.0	#126 GRB	2	

UT Date 2003-04-07 Observers P BerlingColl. Focus 575 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0093.COMP	10	5:21	10:44:50.0	21:31:17	300	0	3.0	#126 GRB	2	
0094.sn2003cs	1200	5:25	11:20:37.5	-04:54:32	300	0	3.0	#2 SN Observat	2	
0095.COMP	10	5:45	11:20:37.5	-04:54:32	300	0	3.0	#2 SN Observat	2	
0096.cairnsk2_279	600	6:14	11:36:31.4	15:34:50	300	90	3.0	#64f Cluster I	4	
0097.COMP	5	6:25	11:36:31.4	15:34:50	300	90	3.0	#64f Cluster I	4	
0098.cairnsk2_280	900	6:26	11:43:45.5	19:23:33	300	90	3.0	#64f Cluster I	4	
0099.COMP	5	6:41	11:43:45.5	19:23:33	300	90	3.0	#64f Cluster I	4	
0100.cairnsk2_283	600	6:42	11:39:14.6	14:59:33	300	90	3.0	#64f Cluster I	4	
0101.COMP	5	6:52	11:39:14.6	14:59:33	300	90	3.0	#64f Cluster I	4	
0102.cairnsk2_284	720	6:54	11:27:47	18:25:1	300	90	3.0	#64f Cluster I	4	
0103.COMP	5	7:07	11:27:47	18:25:1	300	90	3.0	#64f Cluster I	4	
0104.cairnsk2_285	900	7:09	11:44:5.5	15:17:15	300	90	3.0	#64f Cluster I	4	
0105.COMP	5	7:24	11:44:5.5	15:17:15	300	90	3.0	#64f Cluster I	4	
0106.cairnsk2_286	1200	7:25	12:4:4.9	20:14:48	300	90	3.0	#64f Cluster I	4	
0107.COMP	5	7:46	12:4:4.9	20:14:48	300	90	3.0	#64f Cluster I	4	
0108.cairnsk2_287	720	7:48	11:25:46.3	19:52:27	300	90	3.0	#64f Cluster I	4	
0109.COMP	5	8:00	11:25:46.3	19:52:27	300	90	3.0	#64f Cluster I	4	
0110.cairnsk2_288	600	8:01	11:35:49.1	21:44:20	300	90	3.0	#64f Cluster I	4	
0111.COMP	5	8:11	11:35:49.1	21:44:20	300	90	3.0	#64f Cluster I	4	
0112.cairnsk2_289	900	8:12	11:46:10.9	15:47:52	300	90	3.0	#64f Cluster I	4	



UT Date 2003-04-07 Observers P Berlind

Coll. Focus 575 Grating/Grism 300

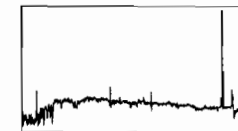
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0113.COMP	5	8:27	11:46:10.9	15:47:52	300	90	3.0	#64f Cluster I	4	
0114.sn2003cq	1200	8:33	11:56:14.1	+60:31:19	300	90	3.0	#2 SN Observat	2	
0115.COMP	10	8:53	11:56:14.1	+60:31:19	300	90	3.0	#2 SN Observat	2	
0116.sn2003cr	1200	9:01	14:58:35.5	+44:53:06	300	0	3.0	#2 SN Observat	2	
0117.COMP	10	9:25	14:58:35.5	+44:53:06	300	0	3.0	#2 SN Observat	2	
0118.N5866	300	9:27	15:05:07.2	+55:57:18	300	0	3.0	#57 Velocity S	4	
0119.COMP	5	9:33	15:05:07.2	+55:57:18	300	0	3.0	#57 Velocity S	4	
0120.BDp332642	150	9:35	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0121.BDp332642	150	9:38	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0122.COMP	10	9:41	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0123.ad1604p3811	420	9:42	16:04:33.6	38:11:24	300	90	3.0	#126 GRB	2	
0124.COMP	10	9:50	16:04:33.6	38:11:24	300	90	3.0	#126 GRB	2	
0125.2M13313610p2318501	300	9:52	13:31:36.1	+23:18:50	300	90	3.0	#68 2MASS Reds	4	
0126.COMP	5	9:57	13:31:36.1	+23:18:50	300	90	3.0	#68 2MASS Reds	4	
0127.2M13322850p1802433	360	9:58	13:32:28.5	+18:02:43	300	90	3.0	#68 2MASS Reds	4	
0128.COMP	5	10:05	13:32:28.5	+18:02:43	300	90	3.0	#68 2MASS Reds	4	
0129.2M13324336p1810343	420	10:06	13:32:43.3	+18:10:34	300	90	3.0	#68 2MASS Reds	4	
0130.COMP	5	10:13	13:32:43.3	+18:10:34	300	90	3.0	#68 2MASS Reds	4	
0131.2M13325059p1809043	300	10:14	13:32:50.5	+18:09:04	300	90	3.0	#68 2MASS Reds	4	
0132.COMP	5	10:19	13:32:50.5	+18:09:04	300	90	3.0	#68 2MASS Reds	4	

UT Date 2003-04-07 Observers P BerlingColl. Focus 575 Grating/Grism 300

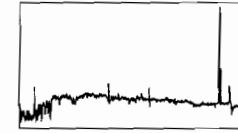
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0133.2M13334917p2113424	330	10:20	13:33:49.1	+21:13:42	300	90	3.0	#68 2MASS Reds	4	
0134.COMP	5	10:25	13:33:49.1	+21:13:42	300	90	3.0	#68 2MASS Reds	4	
0135.2M13341945p1750534	330	10:26	13:34:19.4	+17:50:53	300	90	3.0	#68 2MASS Reds	4	
0136.COMP	5	10:32	13:34:19.4	+17:50:53	300	90	3.0	#68 2MASS Reds	4	
0137.2M13345727p2234593	330	10:40	13:34:57.2	+22:34:59	300	90	3.0	#68 2MASS Reds	4	
0138.COMP	5	10:46	13:34:57.2	+22:34:59	300	90	3.0	#68 2MASS Reds	4	
0139.2M13353738p1319324	480	10:47	13:35:37.3	+13:19:32	300	90	3.0	#68 2MASS Reds	4	
0140.COMP	5	10:56	13:35:37.3	+13:19:32	300	90	3.0	#68 2MASS Reds	4	
0141.2M13360286p2238016	420	10:56	13:36:02.8	+22:38:01	300	90	3.0	#68 2MASS Reds	4	
0142.COMP	5	11:04	13:36:02.8	+22:38:01	300	90	3.0	#68 2MASS Reds	4	
0143.2M13364424p2458472	900	11:05	13:36:44.2	+24:58:47	300	90	3.0	#68 2MASS Reds	4	
0144.COMP	5	11:21	13:36:44.2	+24:58:47	300	90	3.0	#68 2MASS Reds	4	
0145.2M13380870p1920544	600	11:22	13:38:08.7	+19:20:54	300	90	3.0	#68 2MASS Reds	4	
0146.COMP	5	11:32	13:38:08.7	+19:20:54	300	90	3.0	#68 2MASS Reds	4	
0147.2M14115529p1930149	420	11:33	14:11:55.2	+19:30:14	300	90	3.0	#68 2MASS Reds	4	
0148.COMP	5	11:41	14:11:55.2	+19:30:14	300	90	3.0	#68 2MASS Reds	4	
0149.2M14120213p2441391	360	11:42	14:12:02.1	+24:41:39	300	90	3.0	#68 2MASS Reds	4	
0150.COMP	5	11:49	14:12:02.1	+24:41:39	300	90	3.0	#68 2MASS Reds	4	
0151.2M14123417p2645561	480	11:50	14:12:34.1	+26:45:56	300	90	3.0	#68 2MASS Reds	4	
0152.COMP	5	11:58	14:12:34.1	+26:45:56	300	90	3.0	#68 2MASS Reds	4	

UT Date 2003-04-07 Observers P BerlindColl. Focus 575 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>
0153.2M14125422p2507121	360	11:59	14:12:54.2	+25:07:12	300	90	3.0	#68 2MASS Reds	4	
0154.COMP	5	12:05	14:12:54.2	+25:07:12	300	90	3.0	#68 2MASS Reds	4	
0155-0164.BIAS	0	12:08	14:12:54.2	+25:07:12	300	90	3.0	#57 Velocity S	4	
0165-0174.FLAT	8	12:12	14:12:54.2	+25:07:12	300	90	3.0	#57 Velocity S	4	
0175-0184.BIAS	0	12:14	14:12:54.2	+25:07:12	300	90	3.0	#57 Velocity S	2	
0185-0194.FLAT	16	12:20	14:12:54.2	+25:07:12	300	90	3.0	#57 Velocity S	2	

UT Date 2003-04-08 Observers V HradeckyColl. Focus 725 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:58	04:52:14.4	+31:30:03	300	90	3.0	#57 Velocity S	4	bin4
0002.BIAS	0	23:17	04:56:15.1	+31:30:04	300	90	3.0	#57 Velocity S	4	bin2
0003-0011.BIAS	0	23:18	04:57:20.2	+31:30:04	300	90	3.0	#57 Velocity S	4	
0012.FLAT	8	23:18	04:57:41.9	+31:30:04	300	90	3.0	#57 Velocity S	4	bin2
0013-0020.FLAT	8	23:21	05:00:22.8	+31:30:04	300	90	3.0	#57 Velocity S	4	
0021.FLAT	8	23:21	05:00:44.1	+31:30:05	300	90	3.0	#57 Velocity S	4	
0022.BIAS	0	23:21	05:01:01.5	+31:30:05	300	90	3.0	#57 Velocity S	2	bin4
0023-0031.BIAS	0	23:23	05:02:58.3	+31:30:05	300	90	3.0	#57 Velocity S	2	
0032.FLAT	16	23:24	05:03:37.5	+31:30:05	300	90	3.0	#57 Velocity S	2	bin4
0033-0034.FLAT	16	23:25	05:04:47.1	+31:30:05	300	90	3.0	#57 Velocity S	2	
0035-0041.FLAT	16	23:29	05:08:54.4	+31:30:06	300	90	3.0	#57 Velocity S	2	
0042.DARK	900	23:48	05:42:15.6	+31:30:14	300	90	3.0	#57 Velocity S	2	bin2
0043.DARK	900	0:03	05:57:31.1	+31:30:18	300	90	3.0	#57 Velocity S	2	
0044.DARK	900	0:49	06:44:09.7	+31:30:29	300	90	3.0	#57 Velocity S	2	
0045.DARK	900	1:05	06:59:25.3	+31:30:33	300	90	3.0	#57 Velocity S	2	
0046.DARK	900	1:20	07:14:44.9	+31:30:37	300	90	3.0	#57 Velocity S	2	
0047.COMP	5	1:35	07:15:19.8	+31:30:37	300	90	3.0	#57 Velocity S	2	
0048.sky	2	2:01	5:00:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0049-0050.sky	4	2:03	4:20:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0051-0052.sky	6	2:04	4:20:00	32:00:00	300	90	3.0	#57 Velocity S	2	

UT Date 2003-04-08 Observers V HradeckyColl. Focus 725 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0053-0054.sky	5	2:05	4:20:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0055.COMP	5	2:07	4:20:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0056.AGK2p43928	40	2:20	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0057.AGK2p43928	30	2:22	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0058.COMP	5	2:23	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0059.Hiltner600	120	2:38	06:42:37.2	02:11:25	300	32	3.0	#56 Spectropho	2	
0060.Hiltner600	120	2:41	06:42:37.2	02:11:25	300	32	3.0	#56 Spectropho	2	
0061.COMP	5	2:43	06:42:37.2	02:11:25	300	32	3.0	#56 Spectropho	2	
0062.N3227	150	2:49	10:23:30.6	+19:51:54	300	60	3.0	#6 AGN Monitor	2	
0063.N3227	150	2:52	10:23:30.6	+19:51:54	300	60	3.0	#6 AGN Monitor	2	
0064.COMP	5	2:55	10:23:30.6	+19:51:54	300	60	3.0	#6 AGN Monitor	2	
0065.MRK110	300	2:59	09:25:12.9	+52:17:10	300	29	3.0	#6 AGN Monitor	2	NOT MRK 110
0066.COMP	5	3:04	09:25:12.9	+52:17:10	300	29	3.0	#6 AGN Monitor	2	
0067.MRK421	360	3:10	11:04:27.4	+38:12:32	300	88	3.0	#133 MRK421 an	2	
0068.MRK421	360	3:16	11:04:27.4	+38:12:32	300	88	3.0	#133 MRK421 an	2	
0069.COMP	5	3:22	11:04:27.4	+38:12:32	300	88	3.0	#133 MRK421 an	2	
0070.N4051	150	3:25	12:03:09.7	+44:31:53	300	85	3.0	#6 AGN Monitor	2	
0071.N4051	150	3:28	12:03:09.7	+44:31:53	300	85	3.0	#6 AGN Monitor	2	
0072.N4051	150	3:30	12:03:09.7	+44:31:53	300	85	3.0	#6 AGN Monitor	2	
0073.COMP	5	3:33	12:03:09.7	+44:31:53	300	85	3.0	#6 AGN Monitor	2	

UT Date 2003-04-08 Observer radeckyColl. Focus 725 Grating/Grism 300

File	Exp Time	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0074.sn2003cg	1200	10:14:15.9	+03:28:02	300	4	3.0	#2 SN Observat	2	
0075.COMP	5	10:14:15.9	+03:28:02	300	4	3.0	#2 SN Observat	2	
0076.N4151	30	12:10:32.6	+39:24:21	300	86	3.0	#6 AGN Monitor	2	
0077.N4151	30	12:10:32.6	+39:24:21	300	86	3.0	#6 AGN Monitor	2	
0078.COMP	5	12:10:32.6	+39:24:21	300	86	3.0	#6 AGN Monitor	2	
0079.2M10044632p1643236	500	10:04:46.3	+16:43:23	300	90	3.0	#68 2MASS Reds	2	
0080.COMP	5	10:04:46.3	+16:43:23	300	90	3.0	#68 2MASS Reds	2	
0081.2M10052746p1107151	1000	10:05:27.4	+11:07:15	300	90	3.0	#68 2MASS Reds	2	
0082.COMP	5	10:05:27.4	+11:07:15	300	90	3.0	#68 2MASS Reds	2	
0083.sn2mass	1200	10:10:41.2	+35:44:52	300	20	3.0	#2 SN Observat	2	
0084.COMP	5	10:10:41.2	+35:44:52	300	20	3.0	#2 SN Observat	2	
0085.sn2002cq	1200	11:56:14.1	+60:31:19	300	20	3.0	#2 SN Observat	2	
0086.COMP	5	11:56:14.1	+60:31:19	300	20	3.0	#2 SN Observat	2	
0087.2M11562002m0012201	900	11:56:20.0	-00:12:20	300	0	3.0	#68 2MASS Reds	2	
0088.COMP	5	11:56:20.0	-00:12:20	300	0	3.0	#68 2MASS Reds	2	
0089.COMP	5	11:56:20.0	-00:12:20	300	0	3.0	#68 2MASS Reds	2	
0090.sn2003cs	1200	11:20:37.5	-04:54:32	300	17	3.0	#2 SN Observat	2	
0091.COMP	5	11:20:37.5	-04:54:32	300	17	3.0	#2 SN Observat	2	
0092.2M13113304m0036260	600	13:11:33.0	-00:36:26	300	87	3.0	#68 2MASS Reds	2	
0093.COMP	5	13:11:33.0	-00:36:26	300	87	3.0	#68 2MASS Reds	2	

UT Date 2003-04-08 Observers V HradeckyColl. Focus 725 Grating/Grism 300

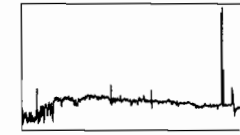
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0094.COMP	5	7:31	13:11:33.0	-00:36:26	300	87	3.0	#68 2MASS Reds	2	
0095.sn2003cr	1200	7:40	14:58:35.5	+44:53:06	300	66	3.0	#68 2MASS Reds	2	
0096.COMP	5	8:00	14:58:35.5	+44:53:06	300	66	3.0	#68 2MASS Reds	2	
0097-0106.BIAS	0	8:07	14:58:35.5	+44:53:06	300	90	3.0	#68 2MASS Reds	4	
0107-0116.FLAT	8	8:11	14:58:35.5	+44:53:06	300	90	3.0	#68 2MASS Reds	4	
0117-0126.BIAS	0	8:13	14:58:35.5	+44:53:06	300	90	3.0	#68 2MASS Reds	2	
0127-0136.FLAT	16	8:19	14:58:35.5	+44:53:06	300	90	3.0	#68 2MASS Reds	2	
0137-0146.BIAS	0	8:39	14:19:36.7	+31:31:27	600	90	2.0	#70	2	
0148.FLAT	16	8:40	14:21:12.2	+31:31:27	600	90	2.0	#70	2	
0149-0157.FLAT	16	8:45	14:26:03.8	+31:31:26	600	90	2.0	#70	2	
0158.vcc2095	600	8:49	12:50:25	11:30:6	600	43	2.0	#70f Elliptica	2	
0159.vcc2095	600	9:00	12:50:25	11:30:6	600	43	2.0	#70f Elliptica	2	
0160.vcc2095	600	9:11	12:50:25	11:30:6	600	43	2.0	#70f Elliptica	2	
0161.COMP	5	9:23	12:50:25	11:30:6	600	58	2.0	#70f Elliptica	2	
0162.vcc1833	1800	9:24	12:37:48	16:12:48	600	58	2.0	#70f Elliptica	2	
0163.vcc1833	1800	9:55	12:37:48	16:12:48	600	58	2.0	#70f Elliptica	2	
0164.COMP	5	10:25	12:37:48	16:12:48	600	58	2.0	#70f Elliptica	2	
0165.vcc1833	1800	10:27	12:37:48	16:12:48	600	62	2.0	#70f Elliptica	2	
0166.COMP	5	10:58	12:37:48	16:12:48	600	62	2.0	#70f Elliptica	2	
0167.Feige98	100	11:00	14:36:04.1	27:42:28	600	62	2.0	#56 Spectropho	2	

UT Date 2003-04-08 Observers V HradeckyColl. Focus 725 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0168.COMP	5	11:02	14:36:04.1	27:42:28	600	62	2.0	#56 Spectropho	2	
0169-0178.FLAT	12	11:18	14:36:04.1	27:42:28	600	62	2.0	#56 Spectropho	4	
0179-0188.BIAS	0	11:20	14:36:04.1	27:42:28	600	62	2.0	#56 Spectropho	4	
0189.hs1325	900	11:25	15:47:30.7	62:42:41	600	90	2.0	#122 Halo Star	4	
0190.COMP	10	11:41	15:47:30.7	62:42:41	600	90	2.0	#122 Halo Star	4	
0191.BDp332642	40	11:44	15:50:03	33:05:49	600	90	2.0	#56 Spectropho	4	
0192.COMP	10	11:46	15:50:03	33:05:49	600	90	2.0	#56 Spectropho	4	
0193.hs1340	900	11:48	16:11:09.8	60:52:51	600	90	2.0	#122 Halo Star	4	
0194.COMP	10	12:04	16:11:09.8	60:52:51	600	90	2.0	#122 Halo Star	4	
0195.hs1381	900	12:06	16:48:04.7	59:13:58	600	90	2.0	#122 Halo Star	4	
0196.COMP	10	12:22	16:48:04.7	59:13:58	600	90	2.0	#122 Halo Star	4	
0197-0206.FLAT	40	12:32	16:48:04.7	59:13:58	600	90	2.0	#122 Halo Star	4	
0207-0216.BIAS	0	12:35	16:48:04.7	59:13:58	600	90	2.0	#122 Halo Star	4	

UT Date 2003-04-09 Observers V HradeckyColl. Focus 725 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	1:18	16:48:04.7	59:13:58	300	90	2.0	#122 Halo Star	4	
0011-0020.FLAT	8	1:21	16:48:04.7	59:13:58	300	90	2.0	#122 Halo Star	4	
0021-0030.BIAS	0	1:23	16:48:04.7	59:13:58	300	90	2.0	#122 Halo Star	2	
0031-0040.FLAT	16	1:29	16:48:04.7	59:13:58	300	90	2.0	#122 Halo Star	2	
0041-0048.sky	2	2:00	5:35:00	32:30:00	300	90	3.0	#57 Velocity S	2	NO COMPS
0049.Hiltner600	150	2:34	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0050.Hiltner600	150	2:38	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0051.COMP	5	2:41	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0052.HD52071	5	2:43	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0053.HD52071	5	2:44	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0054.COMP	5	2:45	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0055.vso-37371	900	2:52	05:51:36.2	-04:09:41	300	44	3.0	#112 Orion PMS	2	
0056.COMP	5	3:07	05:51:36.2	-04:09:41	300	44	3.0	#112 Orion PMS	2	
0057.vso-50609	900	3:19	06:06:21.8	-03:59:18	300	46	3.0	#112 Orion PMS	1	} BIRNBO 20030409
0058.COMP	5	3:34	06:06:21.8	-03:59:18	300	46	3.0	#112 Orion PMS	1	
0059.BGGem	300	3:56	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0060.BGGem	1800	4:02	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0061.COMP	5	4:33	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0062.SN2003ch	1200	4:39	07:17:57.9	+09:41:34	300	56	3.0	#2 SN Observat	2	
0063.COMP	5	4:59	07:17:57.9	+09:41:34	300	56	3.0	#2 SN Observat	2	

UT Date 2003-04-09 Observers V HradeckyColl. Focus 725 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.Feige34	40	5:02	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0065.Feige34	100	5:04	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0066.COMP	5	5:06	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0067.sn2003cg	1200	5:09	10:14:15.9	+03:28:02	300	20	3.0	#2 SN Observat	2	
0068.COMP	5	5:30	10:14:15.9	+03:28:02	300	20	3.0	#2 SN Observat	2	
0069.sn2003cq	1200	5:43	11:56:14.1	+60:31:19	300	20	3.0	#2 SN Observat	2	
0070.COMP	5	6:03	11:56:14.1	+60:31:19	300	20	3.0	#2 SN Observat	2	
0071.COMP	5	6:09	11:56:14.1	+60:31:19	300	90	3.0	#2 SN Observat	2	
0072.MRK110	360	6:10	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0073.COMP	5	6:16	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0074.N3227	150	6:18	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0075.N3227	150	6:20	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0076.COMP	5	6:23	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0077.N4051	150	6:25	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0078.N4051	150	6:27	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0079.N4051	150	6:30	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0080.COMP	5	6:33	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0081.N5548	150	6:35	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0082.N5548	150	6:38	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0083.N5548	150	6:40	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	

UT Date 2003-04-09 Observers V HradeckyColl. Focus 725 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.COMP	5	6:43	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0085.2M13213610p1005383	600	6:45	13:21:36.1	+10:05:38	300	90	3.0	#68 2MASS Reds	2	
0086.COMP	5	6:55	13:21:36.1	+10:05:38	300	90	3.0	#68 2MASS Reds	2	
0087.2M13230519p0833084	1100	7:01	13:23:05.1	+08:33:08	300	90	3.0	#68 2MASS Reds	2	
0088.COMP	5	7:22	13:23:05.1	+08:33:08	300	90	3.0	#68 2MASS Reds	2	
0089-0098.BIAS	0	7:33	13:23:05.1	+08:33:08	600	90	3.0	All	2	
0099-0108.FLAT	16	7:43	13:23:05.1	+08:33:08	600	90	3.0	All	2	
0109.vcc672	1800	7:48	12:21:20	7:23:0	600	38	3.0	#70f Elliptica	2	
0110.COMP	5	8:18	12:21:20	7:23:0	600	38	3.0	#70f Elliptica	2	
0111.vcc672	1800	8:20	12:21:20	7:23:0	600	38	3.0	#70f Elliptica	2	
0112.COMP	5	8:51	12:21:20	7:23:0	600	38	3.0	#70f Elliptica	2	
0113.vcc672	1800	8:51	12:21:20	7:23:0	600	38	3.0	#70f Elliptica	2	clouds
0114.COMP	5	9:22	12:21:20	7:23:0	600	38	3.0	#70f Elliptica	2	
0115-0124.BIAS	0	9:28	12:21:20	7:23:0	600	38	2.0	#70f Elliptica	4	
0125-0134.FLAT	40	9:36	12:21:20	7:23:0	600	38	2.0	#70f Elliptica	4	
0135.hs1383	900	9:43	16:58:57.5	59:53:17	600	38	2.0	#122 Halo Star	4	
0136.COMP	10	9:58	16:58:57.5	59:53:17	600	38	2.0	#122 Halo Star	4	
0137.Feige98	60	10:01	14:36:04.1	27:42:28	600	38	2.0	#56 Spectropho	4	
0138.COMP	10	10:02	14:36:04.1	27:42:28	600	38	2.0	#56 Spectropho	4	
0139.hs1380	750	10:05	16:47:06.7	59:38:26	600	38	2.0	#122 Halo Star	4	

UT Date 2003-04-09 Observers V HradeckyColl. Focus 725 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0140.COMP	10	10:18	16:47:06.7	59:38:26	600	38	2.0	#122 Halo Star	4	
0141.hs1379	900	10:21	16:46:00.5	56:50:10	600	20	2.0	#122 Halo Star	4	
0142.COMP	10	10:37	16:46:00.5	56:50:10	600	20	2.0	#122 Halo Star	4	
0143.hs1384	1050	10:43	17:00:23.8	56:44:30	600	16	2.0	#122 Halo Star	4	
0144.COMP	10	11:01	17:00:23.8	56:44:30	600	16	2.0	#122 Halo Star	4	
0145.hs1382	1200	11:06	16:56:42.2	59:34:04	600	0	2.0	#122 Halo Star	4	
0146.COMP	10	11:26	16:56:42.2	59:34:04	600	0	2.0	#122 Halo Star	4	
0147.hs1378	1200	11:30	16:44:37.0	58:21:55	600	-14	2.0	#122 Halo Star	4	
0148.COMP	10	11:51	16:44:37.0	58:21:55	600	-14	2.0	#122 Halo Star	4	
0149.hs1375	900	11:55	16:42:18.1	58:26:46	600	-25	2.0	#122 Halo Star	4	
0150.COMP	10	12:10	16:42:18.1	58:26:46	600	-25	2.0	#122 Halo Star	4	

UT Date 2003-04-10 Observers V HradeckyColl. Focus 725 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	1:07	16:42:18.1	58:26:46	600	90	2.0	#122 Halo Star	4	Susan - the biases and flats have incorrect headers, sorry. The
0002-0010.BIAS	0	1:08	16:42:18.1	58:26:46	600	90	2.0	#122 Halo Star	4	
0011-0020.FLAT	8	1:11	16:42:18.1	58:26:46	600	90	2.0	#122 Halo Star	4	
0021-0030.BIAS	0	1:14	16:42:18.1	58:26:46	600	90	2.0	#122 Halo Star	2	
0031-0040.FLAT	16	1:19	16:42:18.1	58:26:46	600	90	2.0	#122 Halo Star	2	
0041-0044.sky	2	1:59	9:30:00	+32:30:00	300	90	3.0	#57 Velocity S	2	
0045-0049.sky	4	2:01	9:30:00	+32:30:00	300	90	3.0	#57 Velocity S	2	
0050.sky	5	2:01	9:30:00	+32:30:00	300	90	3.0	#57 Velocity S	2	
0051.COMP	5	2:04	9:30:00	+32:30:00	300	90	3.0	#57 Velocity S	2	
0052.AGK2p43928	40	2:30	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0053.AGK2p43928	40	2:32	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0054.COMP	5	2:33	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0055.Hiltner600	120	2:42	06:42:37.2	02:11:25	300	36	3.0	#56 Spectropho	2	
0056.Hiltner600	120	2:44	06:42:37.2	02:11:25	300	36	3.0	#56 Spectropho	2	
0057.COMP	5	2:46	06:42:37.2	02:11:25	300	36	3.0	#56 Spectropho	2	
0058.vso-23159	900	2:51	05:46:19.0	-05:55:42	300	45	3.0	#112 Orion PMS	2	
0059.COMP	5	3:06	05:46:19.0	-05:55:42	300	45	3.0	#112 Orion PMS	2	
0060.vso-22506	900	3:12	05:44:49.7	-06:05:06	300	48	3.0	#112 Orion PMS	2	
0061.COMP	5	3:27	05:44:49.7	-06:05:06	300	48	3.0	#112 Orion PMS	2	
0062.vso-35718	900	3:29	06:06:49.8	-06:09:35	300	47	3.0	#112 Orion PMS	2	

UT Date 2003-04-10 Observers V HradeckyColl. Focus 725 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0063.COMP	5	3:44	06:06:49.8	-06:09:35	300	47	3.0	#112 Orion PMS	2	
0064.sn2003ch	1200	3:50	07:17:57.9	+09:41:34	300	50	3.0	#2 SN Observat	2	
0065.COMP	5	4:11	07:17:57.9	+09:41:34	300	50	3.0	#2 SN Observat	2	
0066.Feige34	150	4:15	10:36:41.2	43:21:50	300	34	3.0	#56 Spectropho	2	
0067.Feige34	150	4:18	10:36:41.2	43:21:50	300	34	3.0	#56 Spectropho	2	
0068.COMP	5	4:20	10:36:41.2	43:21:50	300	34	3.0	#56 Spectropho	2	
0069.MRK421	360	4:23	11:04:27.4	+38:12:32	300	64	3.0	#133 MRK421 an	2	
0070.MRK421	360	4:29	11:04:27.4	+38:12:32	300	64	3.0	#133 MRK421 an	2	
0071.COMP	5	4:36	11:04:27.4	+38:12:32	300	64	3.0	#133 MRK421 an	2	
0072.sn2003cg	1200	4:39	10:14:15.9	+03:28:02	300	5	3.0	#2 SN Observat	2	
0073.COMP	5	4:59	10:14:15.9	+03:28:02	300	5	3.0	#2 SN Observat	2	
0074.sn2003cq	1200	5:05	11:56:14.1	+60:31:19	300	28	3.0	#2 SN Observat	2	
0075.COMP	5	5:25	11:56:14.1	+60:31:19	300	28	3.0	#2 SN Observat	2	
0076.N4151	30	5:28	12:10:32.6	+39:24:21	300	60	3.0	#6 AGN Monitor	2	
0077.N4151	30	5:29	12:10:32.6	+39:24:21	300	60	3.0	#6 AGN Monitor	2	
0078.COMP	5	5:30	12:10:32.6	+39:24:21	300	60	3.0	#6 AGN Monitor	2	
0079.N3227	150	5:32	10:23:30.6	+19:51:54	300	43	3.0	#6 AGN Monitor	2	
0080.N3227	150	5:35	10:23:30.6	+19:51:54	300	43	3.0	#6 AGN Monitor	2	
0081.COMP	5	5:38	10:23:30.6	+19:51:54	300	43	3.0	#6 AGN Monitor	2	
0082.N4051	150	5:41	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	

UT Date 2003-04-10 Observers V HradeckyColl. Focus 725 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.N4051	150	5:44	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0084.N4051	150	5:47	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0085.COMP	5	5:50	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0086-0095.BIAS	0	5:57	12:03:09.7	+44:31:53	600	90	3.0	#70	2	
0096-0105.FLAT	25	6:05	12:03:09.7	+44:31:53	600	90	3.0	#70	2	
0106.Feige34	150	6:11	10:36:41.2	43:21:50	600	-60	3.0	#56 Spectropho	2	
0107.Feige34	150	6:14	10:36:41.2	43:21:50	600	-60	3.0	#56 Spectropho	2	
0108.COMP	25	6:17	10:36:41.2	43:21:50	600	-60	3.0	#56 Spectropho	2	
0109.vcc408	1200	6:20	12:17:49	5:39:54	600	-6	3.0	#70f Elliptica	2	
0110.COMP	25	6:40	12:17:49	5:39:54	600	4	3.0	#70f Elliptica	2	
0111.vcc408	1200	6:41	12:17:49	5:39:54	600	4	3.0	#70f Elliptica	2	
0112.COMP	25	7:02	12:17:49	5:39:54	600	4	3.0	#70f Elliptica	2	
0113.vcc408	1200	7:03	12:17:49	5:39:54	600	15	3.0	#70f Elliptica	2	thick clouds
0114.COMP	25	7:23	12:17:49	5:39:54	600	15	3.0	#70f Elliptica	2	
0115.vcc778	1800	7:26	12:22:41	15:2:24	600	31	3.0	#70f Elliptica	2	
0116.COMP	25	7:57	12:22:41	15:2:24	600	31	3.0	#70f Elliptica	2	
0117.vcc778	1800	7:58	12:22:41	15:2:24	600	31	3.0	#70f Elliptica	2	
0118.COMP	25	8:30	12:22:41	15:2:24	600	56	3.0	#70f Elliptica	2	
0119.vcc778	1800	8:31	12:22:41	15:2:24	600	56	3.0	#70f Elliptica	2	
0120.COMP	25	9:01	12:22:41	15:2:24	600	56	3.0	#70f Elliptica	2	

UT Date 2003-04-10 Observers V HradeckyColl. Focus 725 Grating/Grism 300

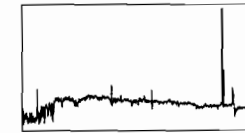
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0121.f285	1200	9:14	14:32:25.7	+08:04:46	300	90	3.0	#135 Starburst	2	
0122.COMP	5	9:34	14:32:25.7	+08:04:46	300	90	3.0	#135 Starburst	2	
0123.Feige98	150	9:40	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	2	
0124.Feige98	150	9:43	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	2	
0125.COMP	5	9:46	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	2	
0126.f265	1300	9:49	14:02:03.5	+09:55:46	300	0	3.0	#135 Starburst	2	
0127.COMP	5	10:12	14:02:03.5	+09:55:46	300	0	3.0	#135 Starburst	2	
0128.N5548	150	10:16	14:17:59.6	+25:08:12	300	70	3.0	#6 AGN Monitor	2	thick clouds
0129.N5548	150	10:19	14:17:59.6	+25:08:12	300	70	3.0	#6 AGN Monitor	2	
0130.N5548	150	10:22	14:17:59.6	+25:08:12	300	70	3.0	#6 AGN Monitor	2	
0131.COMP	5	10:25	14:17:59.6	+25:08:12	300	70	3.0	#6 AGN Monitor	2	
0132.f268	1800	10:28	14:06:09.3	+02:19:51	300	90	3.0	#135 Starburst	2	
0133.COMP	5	10:59	14:06:09.3	+02:19:51	300	90	3.0	#135 Starburst	2	
0134.2M16360777p2630594	1800	11:04	16:36:07.7	+26:30:59	300	90	3.0	#68 2MASS Reds	2	Bad - clouds, wrong object? <i>STAV</i>
0135.COMP	5	11:35	16:36:07.7	+26:30:59	300	90	3.0	#68 2MASS Reds	2	
0136.2M16360777p2630594	1800	11:36	16:36:07.7	+26:30:59	300	90	3.0	#68 2MASS Reds	2	
0137.COMP	5	12:07	16:36:07.7	+26:30:59	300	90	3.0	#68 2MASS Reds	2	
0138-0147.BIAS	0	12:09	16:36:07.7	+26:30:59	300	90	3.0	#135 Starburst	4	
0148-0157.FLAT	8	12:12	16:36:07.7	+26:30:59	300	90	3.0	#135 Starburst	4	
0158-0167.BIAS	0	12:15	16:36:07.7	+26:30:59	300	90	3.0	#135 Starburst	2	

UT Date 2003-04-10 Obser HradeckyColl. Focus 725 Grating/Grism 300

<i>File</i>	<i>Exp⁻ Time t</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>
0168-0177.FLAT	160	16:36:07.7	+26:30:59	300	90	3.0	#135 Starburst	2	

UT Date 2003-04-11 Observers V HradeckyColl. Focus 815 Grating/Grism 300

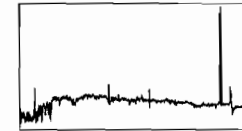
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	1:09	07:00:26.7	+31:30:33	300	90	3.0	#135 Starburst	4	
0011-0020.FLAT	8	1:12	07:03:58.6	+31:30:34	300	90	3.0	#135 Starburst	4	
0021-0023.BIAS	0	1:13	07:04:38.2	+31:30:34	300	90	3.0	#135 Starburst	2	
0024-0030.BIAS	0	1:15	07:06:09.2	+31:30:35	300	90	3.0	#135 Starburst	2	
0031-0034.FLAT	16	1:17	07:08:32.5	+31:30:35	300	90	3.0	#135 Starburst	2	
0035-0040.FLAT	16	1:20	07:12:05.2	+31:30:36	300	90	3.0	#135 Starburst	2	
0041-0042.sky	5	2:06	5:00:00	+32:30:00	300	90	3.0	#57 Velocity S	2	
0043.sky	6	2:06	5:00:00	+32:30:00	300	90	3.0	#57 Velocity S	2	
0044-0045.sky	7	2:07	5:00:00	+32:30:00	300	90	3.0	#57 Velocity S	2	
0046.sky	8	2:07	5:00:00	+32:30:00	300	90	3.0	#57 Velocity S	2	
0047.COMP	5	2:08	5:00:00	+32:30:00	300	90	3.0	#57 Velocity S	2	
0048.Hiltner600	120	3:07	06:42:37.2	02:11:25	300	43	3.0	#56 Spectropho	2	
0049.Hiltner600	120	3:09	06:42:37.2	02:11:25	300	43	3.0	#56 Spectropho	2	
0050.COMP	5	3:12	06:42:37.2	02:11:25	300	43	3.0	#56 Spectropho	2	
0051.vso-35268	1000	3:16	06:05:38.6	-05:50:12	300	46	3.0	#112 Orion PMS	2	
0052.COMP	5	3:34	06:05:38.6	-05:50:12	300	46	3.0	#112 Orion PMS	2	
0053.COMP	5	3:36	06:05:39.5	-05:50:19	300	46	3.0	#112 Orion PMS	2	
0054.vso-50252	1000	3:45	06:05:55.0	-04:13:05	300	52	3.0	#112 Orion PMS	2	
0055.COMP	5	4:02	06:05:55.0	-04:13:05	300	52	3.0	#112 Orion PMS	2	
0056.sn2003ch	1200	4:10	07:17:57.9	+09:41:34	300	53	3.0	#2 SN Observat	2	High background - moon nearby

UT Date 2003-04-11 Observers V HradeckyColl. Focus 815 Grating/Grism 300

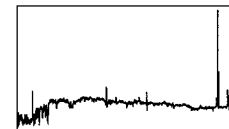
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.COMP	5	4:34	07:17:57.9	+09:41:34	300	53	3.0	#56 Spectropho	2	
0058.Feige34	150	4:38	10:36:41.2	43:21:50	300	10	3.0	#56 Spectropho	2	
0059.Feige34	150	4:41	10:36:41.2	43:21:50	300	10	3.0	#56 Spectropho	2	
0060.COMP	5	4:44	10:36:41.2	43:21:50	300	10	3.0	#56 Spectropho	2	
0061.WILSON6377	30	4:46	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0062.WILSON6377	10	4:47	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0063.COMP	5	4:47	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0064.sn2003cg	1200	5:19	10:14:15.9	+03:28:02	300	24	3.0	#2 SN Observat	2	
0065.COMP	5	5:39	10:14:15.9	+03:28:02	300	24	3.0	#2 SN Observat	2	
0066.sn2003cq	1200	5:44	11:56:14.1	+60:31:19	300	10	3.0	#2 SN Observat	2	
0067.COMP	5	6:05	11:56:14.1	+60:31:19	300	10	3.0	#2 SN Observat	2	
0068.N3227	150	6:07	10:23:30.6	+19:51:54	300	56	3.0	#6 AGN Monitor	2	
0069.N3227	150	6:10	10:23:30.6	+19:51:54	300	56	3.0	#6 AGN Monitor	2	
0070.COMP	5	6:12	10:23:30.6	+19:51:54	300	56	3.0	#6 AGN Monitor	2	
0071.N4051	150	6:15	12:03:09.7	+44:31:53	300	-1	3.0	#6 AGN Monitor	2	
0072.N4051	150	6:18	12:03:09.7	+44:31:53	300	-1	3.0	#6 AGN Monitor	2	
0073.N4051	150	6:21	12:03:09.7	+44:31:53	300	-1	3.0	#6 AGN Monitor	2	
0074.COMP	5	6:24	12:03:09.7	+44:31:53	300	-1	3.0	#6 AGN Monitor	2	OUT OF FOCUS
0075.MRK279	120	6:28	13:51:53.6	69:33:13	300	35	3.0	#6 AGN Monitor	2	
0076.MRK279	120	6:30	13:51:53.6	69:33:13	300	35	3.0	#6 AGN Monitor	2	

UT Date 2003-04-11 Observers V HradeckyColl. Focus 815 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0077.COMP	5	6:33	13:51:53.6	69:33:13	300	35	3.0	#6 AGN Monitor	2	OUT OF FOCUS
0078.N5548	150	6:36	14:17:59.6	+25:08:12	300	-68	3.0	#6 AGN Monitor	2	
0079.N5548	150	6:39	14:17:59.6	+25:08:12	300	-68	3.0	#6 AGN Monitor	2	
0080.N5548	150	6:41	14:17:59.6	+25:08:12	300	-68	3.0	#6 AGN Monitor	2	
0081.COMP	5	6:45	14:17:59.6	+25:08:12	300	-68	3.0	#6 AGN Monitor	2	OUT OF FOCUS
0082.M87	180	6:47	12:30:49.4	12:23:28	300	3	3.0	#6 AGN Monitor	2	
0083.M87	180	6:51	12:30:49.4	12:23:28	300	3	3.0	#6 AGN Monitor	2	
0084.COMP	5	6:54	12:30:49.4	12:23:28	300	3	3.0	#6 AGN Monitor	2	OUT OF FOCUS
0085.2M13371468m0456287	600	6:57	13:37:14.6	-04:56:28	300	73	3.0	#68 2MASS Reds	2	
0086.COMP	5	7:07	13:37:14.6	-04:56:28	300	73	3.0	#68 2MASS Reds	2	OUT OF FOCUS
0087.2M13375107p0515045	800	7:23	13:37:51.0	+05:15:04	300	90	3.0	#68 2MASS Reds	2	
0088.COMP	5	7:37	13:37:51.0	+05:15:04	300	90	3.0	#68 2MASS Reds	2	
0089-0098.BIAS	0	7:45	13:37:51.0	+05:15:04	600	90	3.0	#70	2	
0099-0108.FLAT	25	7:52	13:37:51.0	+05:15:04	600	90	3.0	#70	2	
0109.vcc1720	1200	7:55	12:34:59	9:49:48	600	34	3.0	#70f Elliptica	2	
0110.COMP	25	8:16	12:34:59	9:49:48	600	42	3.0	#70f Elliptica	2	
0111.vcc1720	1200	8:17	12:34:59	9:49:48	600	42	3.0	#70f Elliptica	2	
0112.vcc1720	1200	8:37	12:34:59	9:49:48	600	47	3.0	#70f Elliptica	2	
0113.COMP	25	8:59	12:34:59	9:49:48	600	47	3.0	#70f Elliptica	2	
0114.Feige98	120	9:02	14:36:04.1	27:42:28	600	38	3.0	#56 Spectropho	2	

UT Date 2003-04-11 Observers V HradeckyColl. Focus 815 Grating/Grism 300

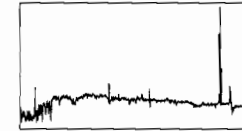
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0115.Feige98	120	9:04	14:36:04.1	27:42:28	600	38	3.0	#56 Spectropho	2	
0116.COMP	25	9:06	14:36:04.1	27:42:28	600	38	3.0	#56 Spectropho	2	
0117-0126.BIAS	0	9:11	14:36:04.1	27:42:28	300	38	3.0	BIAS	2	
0127-0136.FLAT	16	9:16	14:36:04.1	27:42:28	300	38	3.0	BIAS	2	
0137.f280	900	9:19	14:30:42.4	+01:52:54	300	90	3.0	#135 Starburst	2	
0138.COMP	5	9:35	14:30:42.4	+01:52:54	300	90	3.0	#135 Starburst	2	
0139.f279	1350	9:36	14:29:15.1	+11:41:41	300	90	3.0	#135 Starburst	2	
0140.COMP	5	9:59	14:29:15.1	+11:41:41	300	90	3.0	#135 Starburst	2	
0141.Feige98	120	10:01	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	2	
0142.Feige98	120	10:03	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	2	
0143.COMP	5	10:05	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	2	
0144.f286	1100	10:09	14:35:25.3	+00:20:04	300	90	3.0	#135 Starburst	2	
0145.COMP	5	10:27	14:35:25.3	+00:20:04	300	90	3.0	#135 Starburst	2	
0146.f281	1260	10:33	14:30:46.0	+00:14:52	300	90	3.0	#135 Starburst	2	
0147.COMP	5	10:54	14:30:46.0	+00:14:52	300	90	3.0	#135 Starburst	2	
0148.3C390.3	360	10:58	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0149.3C390.3	360	11:05	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0150.COMP	5	11:11	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0151-0160.BIAS	0	11:17	18:42:09.1	79:46:17	600	90	2.0	ALL	4	
0161.Feige98	100	11:21	14:36:04.1	27:42:28	600	74	2.0	#56 Spectropho	4	

UT Date 2003-04-11 Obser HradeckyColl. Focus 815 Grating/Grism 300

<i>File</i>	<i>Exp - Time t</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>
0162.Feige98	100.2	14:36:04.1	27:42:28	600	74	2.0	#56 Spectropho	4	
0163.COMP	10.4	14:36:04.1	27:42:28	600	74	2.0	#56 Spectropho	4	
0164.hs1376	900.8	16:43:24.1	59:50:32	600	-16	2.0	#122 Halo Star	4	
0165.COMP	10.3	16:43:24.1	59:50:32	600	-16	2.0	#122 Halo Star	4	
0166.hs1377	1200.6	16:44:29.1	56:17:57	600	-26	2.0	#122 Halo Star	4	
0167.COMP	10.7	16:44:29.1	56:17:57	600	-26	2.0	#122 Halo Star	4	
0168-0177.FLAT	40.1	16:44:29.1	56:17:57	600	70	2.0	ALL	4	

UT Date 2003-04-24 Observers M CalkinsColl. Focus 825 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	1:59	08:57:20.3	+31:38:30	300	90	3.0	ALL	4	
0002.DARK	900	2:14	09:12:31.5	+31:38:33	300	90	3.0	ALL	4	
0003.DARK	900	2:29	09:27:38.9	+31:38:36	300	90	3.0	ALL	4	
0004-0013.BIAS	0	2:45	09:28:53.0	+31:38:36	300	90	3.0	ALL	4	
0014-0023.FLAT	6	2:48	09:31:28.5	+31:38:37	300	90	3.0	ALL	4	
0024-0031.BIAS	0	2:51	09:34:31.2	+31:38:37	300	90	3.0	ALL	2	
0032-0033.BIAS	0	2:51	09:34:57.2	+31:38:38	300	90	3.0	ALL	2	
0034-0043.FLAT	12	2:55	09:39:12.7	+31:38:38	300	90	3.0	ALL	2	
0044.BGGem	300	3:01	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0045.COMP	12	3:06	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0046.BGGem	1200	3:07	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0047.COMP	12	3:28	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0048.MRK705	240	3:37	09:26:03.4	12:44:03	300	90	3.0	#6 AGN Monitor	2	
0049.MRK705	240	3:41	09:26:03.4	12:44:03	300	90	3.0	#6 AGN Monitor	2	
0050.MRK705	240	3:45	09:26:03.4	12:44:03	300	90	3.0	#6 AGN Monitor	2	
0051.COMP	12	3:50	09:26:03.4	12:44:03	300	90	3.0	#6 AGN Monitor	2	
0052.Feige34	90	3:57	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	object on tram section of slit - why??
0053.COMP	5	3:59	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	comp has weird appearance...
0054.Feige34	120	4:04	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0055.COMP	12	4:08	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	comp appearance back to normal...

UT Date 2003-04-24 Observers M CalkinsColl. Focus 825 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0056.Feige34	150	4:09	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0057.COMP	12	4:13	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0058.N3377	240	4:15	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0059.COMP	12	4:19	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0060.MRK110	360	4:21	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0061.COMP	12	4:28	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0062.N3227	150	4:29	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0063.N3227	150	4:32	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0064.COMP	12	4:35	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0065.MRK421	300	4:37	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0066.MRK421	300	4:42	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0067.MRK421	300	4:47	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0068.COMP	12	4:53	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0069.N4593	150	5:00	12:39:39.4	-05:20:39	300	90	3.0	#6 AGN Monitor	2	
0070.N4593	150	5:03	12:39:39.4	-05:20:39	300	90	3.0	#6 AGN Monitor	2	
0071.N4593	150	5:05	12:39:39.4	-05:20:39	300	90	3.0	#6 AGN Monitor	2	
0072.COMP	12	5:08	12:39:39.4	-05:20:39	300	90	3.0	#6 AGN Monitor	2	
0073.cairnsk2_290	780	5:10	11:27:30.3	20:54:25	300	90	3.0	#64f Cluster I	2	
0074.COMP	12	5:23	11:27:30.3	20:54:25	300	90	3.0	#64f Cluster I	2	
0075.cairnsk2_291	900	5:25	11:30:33.1	16:9:39	300	90	3.0	#64f Cluster I	2	row=75

UT Date 2003-04-24 Observers M CalkinsColl. Focus 825 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.COMP	12	5:40	11:30:33.1	16:9:39	300	90	3.0	#64f Cluster I	2	
0077.cairnsk2_292	1200	5:57	11:35:49.1	17:45:15	300	90	3.0	#64f Cluster I	2	
0078.COMP	12	6:19	11:35:49.1	17:45:15	300	90	3.0	#64f Cluster I	2	
0079.cairnsk2_293	1200	6:20	11:40:59.4	14:38:0	300	90	3.0	#64f Cluster I	2	
0080.COMP	12	6:41	11:40:59.4	14:38:0	300	90	3.0	#64f Cluster I	2	
0081.cairnsk2_294	780	6:43	12:5:15.2	20:18:38	300	90	3.0	#64f Cluster I	2	
0082.COMP	12	6:57	12:5:15.2	20:18:38	300	90	3.0	#64f Cluster I	2	
0083.cairnsk2_295	540	6:58	11:33:58.7	18:4:41	300	90	3.0	#64f Cluster I	2	
0084.COMP	12	7:07	11:33:58.7	18:4:41	300	90	3.0	#64f Cluster I	2	
0085.cairnsk2_296	780	7:09	11:52:32.8	15:41:48	300	90	3.0	#64f Cluster I	2	
0086.COMP	12	7:22	11:52:32.8	15:41:48	300	90	3.0	#64f Cluster I	2	
0087.sn2003du	1200	7:28	14:34:35.8	59:20:03	300	11	3.0	#2 SN Observat	2	
0088.COMP	12	7:49	14:34:35.8	59:20:03	300	11	3.0	#2 SN Observat	2	
0089.BDp332642	70	7:52	15:50:03	33:05:49	300	92	3.0	#56 Spectropho	2	
0090.COMP	12	7:54	15:50:03	33:05:49	300	92	3.0	#56 Spectropho	2	
0091.FineFoc	60	8:03	14:59:52.3	30:03:40	300	90	5.0	#56 Spectropho	1	
0092-0101.BIAS	0	8:13	14:59:52.3	30:03:40	300	90	5.0	#56 Spectropho	1	
0102-0111.FLAT	12	8:19	14:59:52.3	30:03:40	300	90	5.0	#56 Spectropho	1	
0112.BDp332642	70	8:25	15:50:03	33:05:49	300	90	5.0	#56 Spectropho	2	300line, tilt=610, 5 arcsec
0113.BDp332642	70	8:27	15:50:03	33:05:49	300	90	5.0	#56 Spectropho	2	

UT Date 2003-04-24 Observers M CalkinsColl. Focus 825 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0114.COMP	7	8:29	15:50:03	33:05:49	300	90	5.0	#56 Spectropho	2	
0115-0124.FLAT	7	8:33	15:50:03	33:05:49	300	90	5.0	#56 Spectropho	2	
0125.BDp332642	120	8:38	15:50:03	33:05:49	600	90	5.0	#56 Spectropho	2	600line, tilt=612, 5 arcsec
0126.BDp332642	120	8:40	15:50:03	33:05:49	600	90	5.0	#56 Spectropho	2	
0127.COMP	14	8:43	15:50:03	33:05:49	600	90	5.0	#56 Spectropho	2	
0128-0137.FLAT	14	8:49	15:50:03	33:05:49	600	90	5.0	#56 Spectropho	2	
0138.BDp332642	70	8:57	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	back to combo setup...
0139.COMP	12	8:59	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0140.f258	1020	9:03	13:46:49.4	+14:24:03	300	90	3.0	#135 Starburst	2	
0141.COMP	12	9:20	13:46:49.4	+14:24:03	300	90	3.0	#135 Starburst	2	
0142.f258a	1080	9:22	13:46:51.2	+14:24:54	300	25	3.0	#135 Starburst	2	
0143.COMP	12	9:41	13:46:51.2	+14:24:54	300	25	3.0	#135 Starburst	2	
0144.f259	1200	9:42	13:47:04.4	+11:06:22	300	90	3.0	#135 Starburst	2	
0145.COMP	12	10:03	13:47:04.4	+11:06:22	300	90	3.0	#135 Starburst	2	
0146.f287	1200	10:05	14:36:32.0	+41:41:08	300	35	3.0	#135 Starburst	2	
0147.COMP	12	10:27	14:36:32.0	+41:41:08	300	35	3.0	#135 Starburst	2	
0148.f288	1020	10:29	14:40:55.5	+14:20:00	300	35	3.0	#135 Starburst	2	FAST malfunction



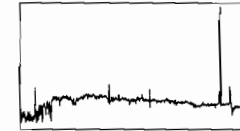
UT Date 2003-04-25 Observers M Calkins

Coll. Focus 795 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	0:06	07:08:02.7	+31:30:35	300	90	3.0	#135 Starburst	4	
0002.DARK	900	0:21	07:23:13.6	+31:30:39	300	90	3.0	#135 Starburst	4	
0003.DARK	900	0:37	07:38:20.8	+31:30:43	300	90	3.0	#135 Starburst	4	
0004.DARK	900	0:52	07:53:31.1	+31:30:46	300	90	3.0	#135 Starburst	4	
0005.DARK	900	1:07	08:08:38.1	+31:30:50	300	90	3.0	#135 Starburst	4	
0006.DARK	900	1:22	08:23:48.7	+31:30:53	300	90	3.0	#135 Starburst	4	
0007.DARK	900	1:37	08:38:59.4	+31:30:56	300	90	3.0	#135 Starburst	4	
0008-0017.BIAS	0	1:53	08:40:22.2	+31:30:57	300	90	3.0	#135 Starburst	4	
0018-0027.FLAT	6	1:56	08:43:20.0	+31:30:57	300	90	3.0	#135 Starburst	4	
0028-0037.BIAS	0	2:01	08:47:48.4	+31:30:58	300	90	3.0	#135 Starburst	2	
0038-0047.FLAT	12	2:05	08:52:29.8	+31:30:59	300	90	3.0	#135 Starburst	2	
0048.sky	2	2:21	09:07:40.7	+31:31:02	300	90	3.0	#57 Velocity S	4	
0049-0052.sky	2	2:21	09:08:15.4	+31:31:03	300	90	3.0	#57 Velocity S	4	
0053.COMP	5	2:22	09:08:37.6	+31:31:03	300	90	3.0	#57 Velocity S	4	
0054.Feige34	150	2:56	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0055.COMP	5	2:59	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0056.Feige34	150	3:02	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	telescope troubles....
0057.COMP	12	3:05	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0058.cairnsk2_164	1200	4:02	7:20:47.5	58:10:33	300	90	3.0	#64f Cluster I	2	sufficient counts?
0059.COMP	12	4:22	7:20:47.5	58:10:33	300	90	3.0	#64f Cluster I	2	

UT Date 2003-04-25 Observers M CalkinsColl. Focus 795 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0060.COMP	12	4:36	11:59:48.8	+29:09:28	300	45	3.0	#129 CHAMP Sou	2	
0061.XS00874B2_001	1200	4:37	11:59:48.8	+29:09:28	300	45	3.0	#129 CHAMP Sou	2	
0062.XS00874B2_001	1200	4:57	11:59:48.8	+29:09:28	300	45	3.0	#129 CHAMP Sou	2	
0063.XS00874B2_001	1200	5:18	11:59:48.8	+29:09:28	300	45	3.0	#129 CHAMP Sou	2	
0064.COMP	12	5:38	11:59:48.8	+29:09:28	300	45	3.0	#129 CHAMP Sou	2	
0065.XS00874B2_035	1200	5:40	11:59:51.6	+29:06:47	300	90	3.0	#129 CHAMP Sou	2	
0066.COMP	12	6:01	11:59:51.6	+29:06:47	300	90	3.0	#129 CHAMP Sou	2	
0067.XS02254B2_017	1200	6:05	14:10:43.9	+52:06:01	300	100	3.0	#129 CHAMP Sou	2	
0068.XS02254B2_017	1200	6:25	14:10:43.9	+52:06:01	300	100	3.0	#129 CHAMP Sou	2	
0069.COMP	12	6:45	14:10:43.9	+52:06:01	300	100	3.0	#129 CHAMP Sou	2	
0070.f259	900	6:51	13:47:04.4	+11:06:22	300	90	3.0	#135 Starburst	2	
0071.COMP	12	7:07	13:47:04.4	+11:06:22	300	90	3.0	#135 Starburst	2	
0072.f260	720	7:08	13:48:14.7	+15:25:51	300	90	3.0	#135 Starburst	2	
0073.COMP	12	7:20	13:48:14.7	+15:25:51	300	90	3.0	#135 Starburst	2	
0074.f260a	300	7:21	13:48:14.3	+15:25:38	300	90	3.0	#135 Starburst	2	
0075.COMP	12	7:27	13:48:14.3	+15:25:38	300	90	3.0	#135 Starburst	2	
0076.f260b	1200	7:28	13:48:14.1	+15:26:37	300	90	3.0	#135 Starburst	2	
0077.COMP	12	7:48	13:48:14.1	+15:26:37	300	90	3.0	#135 Starburst	2	
0078.f261	780	7:50	13:49:14.1	+35:15:25	300	110	3.0	#135 Starburst	2	
0079.COMP	12	8:03	13:49:14.1	+35:15:25	300	110	3.0	#135 Starburst	2	



UT Date 2003-04-25 Observers M Calkins

Coll. Focus 795 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0080.f261a	1200	8:06	13:49:12.4	+35:17:04	300	90	3.0	#135 Starburst	2	
0081.COMP	12	8:26	13:49:12.4	+35:17:04	300	90	3.0	#135 Starburst	2	
0082.f262	660	8:28	13:55:01.7	+44:35:10	300	90	3.0	#135 Starburst	2	
0083.COMP	12	8:39	13:55:01.7	+44:35:10	300	90	3.0	#135 Starburst	2	
0084.f263	840	8:41	13:56:02.8	+18:22:19	300	80	3.0	#135 Starburst	2	agn
0085.COMP	12	8:56	13:56:02.8	+18:22:19	300	80	3.0	#135 Starburst	2	
0086.f264	660	8:59	14:00:31.1	+08:53:59	300	110	3.0	#135 Starburst	2	
0087.COMP	12	9:10	14:00:31.1	+08:53:59	300	110	3.0	#135 Starburst	2	
0088.BDp332642	80	9:12	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0089.COMP	12	9:14	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0090.FineFoc	60	9:21	14:59:52.3	30:03:40	300	90	5.0	#0 Calibration	1	300L, 5arcsec, tilt=610, binby1
0091-0100.BIAS	0	9:35	14:59:52.3	30:03:40	300	90	5.0	#0 Calibration	1	
0101-0110.FLAT	12	9:42	14:59:52.3	30:03:40	300	90	5.0	#0 Calibration	1	
0111.FLAT	7	9:43	14:59:52.3	30:03:40	300	90	5.0	#0 Calibration	2	300L, 5arcsec, tilt=610, binby2
0112-0120.FLAT	7	9:46	14:59:52.3	30:03:40	300	90	5.0	#0 Calibration	2	
0121.FLAT	14	9:50	14:59:52.3	30:03:40	600	90	5.0	#0 Calibration	2	600L, 5arcsec, tilt=612, binby2
0122-0130.FLAT	14	9:54	14:59:52.3	30:03:40	600	90	5.0	#0 Calibration	2	
0131.BDp332642	120	10:01	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	600L, 2arcsec, tilt=430, binby4
0132.BDp332642	120	10:03	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	10:06	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	

UT Date 2003-04-25 Observers M CalkinsColl. Focus 795 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0134.hs1282	840	10:07	14:31:40.9	57:09:44	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	10:22	14:31:40.9	57:09:44	600	90	2.0	#122 Halo Star	4	
0136.hs1293	1020	10:23	14:55:39.5	50:24:21	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	10:41	14:55:39.5	50:24:21	600	90	2.0	#122 Halo Star	4	
0138.hs1294	1080	10:42	14:56:20.7	51:01:35	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	11:00	14:56:20.7	51:01:35	600	90	2.0	#122 Halo Star	4	
0140.hs1303	1200	11:02	15:14:40.9	57:50:35	600	90	2.0	#122 Halo Star	4	
0141.COMP	10	11:22	15:14:40.9	57:50:35	600	90	2.0	#122 Halo Star	4	
0142.hs1354	1200	11:23	16:23:02.9	65:57:42	600	90	2.0	#122 Halo Star	4	
0143.COMP	10	11:44	16:23:02.9	65:57:42	600	90	2.0	#122 Halo Star	4	
0144.hs1348	480	11:45	16:20:11.2	62:09:09	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	11:53	16:20:11.2	62:09:09	600	90	2.0	#122 Halo Star	4	
0146-0155.FLAT	40	12:02	16:20:11.2	62:09:09	600	90	2.0	#122 Halo Star	4	
0156-0165.BIAS	0	12:05	16:20:11.2	62:09:09	600	90	2.0	#122 Halo Star	4	
0166-0175.DARK	900	14:23	16:20:11.2	62:09:09	600	90	2.0	#122 Halo Star	2	

UT Date 2003-04-26 Observers M CalkinsColl. Focus 795 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	1:56	9:0:0	31:30:0	600	90	2.0	#122 Halo Star	4	
0011-0020.BIAS	0	2:15	9:0:0	31:30:0	300	90	3.0	#122 Halo Star	4	
0021-0030.FLAT	6	2:17	9:0:0	31:30:0	300	90	3.0	#122 Halo Star	4	
0031-0040.BIAS	0	2:53	9:0:0	31:30:0	300	90	3.0	#122 Halo Star	2	
0041-0050.FLAT	12	2:57	9:0:0	31:30:0	300	90	3.0	#122 Halo Star	2	
0051.Feige34	90	3:03	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0052.COMP	5	3:05	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0053.Feige34	100	3:05	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0054.COMP	12	3:08	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0055.Feige34	100	3:09	10:36:41.2	43:21:50	300	40	3.0	#56 Spectropho	2	
0056.COMP	12	3:12	10:36:41.2	43:21:50	300	40	3.0	#56 Spectropho	2	
0057.N3377	240	3:14	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0058.COMP	12	3:19	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0059.cairnsk2_165	720	3:21	7:12:0.3	53:52:29	300	90	3.0	#64f Cluster I	2	
0060.COMP	12	3:33	7:12:0.3	53:52:29	300	90	3.0	#64f Cluster I	2	
0061.cairnsk2_166	660	3:34	7:39:50.7	54:47:2	300	90	3.0	#64f Cluster I	2	
0062.COMP	12	3:46	7:39:50.7	54:47:2	300	90	3.0	#64f Cluster I	2	
0063.cairnsk2_167	900	3:47	7:9:46.4	55:55:51	300	90	3.0	#64f Cluster I	2	
0064.COMP	12	4:03	7:9:46.4	55:55:51	300	90	3.0	#64f Cluster I	2	
0065.cairnsk2_168	1200	4:04	7:19:42.4	57:31:7	300	90	3.0	#64f Cluster I	2	

UT Date 2003-04-26 Observers M CalkinsColl. Focus 795 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0066.COMP	12	4:25	7:19:42.4	57:31:7	300	90	3.0	#64f Cluster I	2	
0067.cairnsk2_169	1200	4:26	7:21:22.7	54:11:48	300	90	3.0	#64f Cluster I	2	
0068.COMP	12	4:47	7:21:22.7	54:11:48	300	90	3.0	#64f Cluster I	2	
0069.cairnsk2_170	1020	4:49	7:9:4.4	56:52:20	300	90	3.0	#64f Cluster I	2	
0070.COMP	12	5:06	7:9:4.4	56:52:20	300	90	3.0	#64f Cluster I	2	
0071.XS01629B2_004	1200	5:09	09:12:15.3	+05:55:34	300	90	3.0	#129 CHAMP Sou	2	
0072.COMP	12	5:29	09:12:15.3	+05:55:34	300	90	3.0	#129 CHAMP Sou	2	
0073.XS00419B7_009	480	5:33	09:11:41.9	+05:51:52	300	90	3.0	#129 CHAMP Sou	2	
0074.COMP	12	5:41	09:11:41.9	+05:51:52	300	90	3.0	#129 CHAMP Sou	2	
0075.XS00541B3_025	1200	5:44	14:16:01.8	+44:45:20	300	90	3.0	#129 CHAMP Sou	2	
0076.COMP	12	6:05	14:16:01.8	+44:45:20	300	90	3.0	#129 CHAMP Sou	2	
0077.XS02254B1_003	300	6:07	14:11:20.7	+52:14:11	300	90	3.0	#129 CHAMP Sou	2	
0078.COMP	12	6:12	14:11:20.7	+52:14:11	300	90	3.0	#129 CHAMP Sou	2	
0079.XS02254B1_014	300	6:13	14:11:30.8	+52:14:23	300	90	3.0	#129 CHAMP Sou	2	
0080.COMP	12	6:19	14:11:30.8	+52:14:23	300	90	3.0	#129 CHAMP Sou	2	
0081.XS00367B7_014	660	6:22	14:24:29.8	+22:56:40	300	90	3.0	#129 CHAMP Sou	2	
0082.COMP	12	6:33	14:24:29.8	+22:56:40	300	90	3.0	#129 CHAMP Sou	2	
0083.XS00367B6_006	720	6:35	14:24:34.5	+22:50:52	300	90	3.0	#129 CHAMP Sou	2	
0084.COMP	12	6:48	14:24:34.5	+22:50:52	300	90	3.0	#129 CHAMP Sou	2	
0085.MRK421	360	6:50	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	

UT Date 2003-04-26 Observers M CalkinsColl. Focus 795 Grating/Grism 300

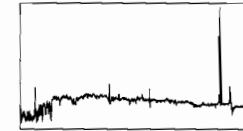
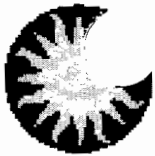
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.MRK421	360	6:56	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0087.MRK421	360	7:03	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0088.COMP	12	7:09	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0089.N4051	150	7:10	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0090.N4051	150	7:13	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0091.N4051	150	7:16	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0092.COMP	12	7:19	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0093.N4151	30	7:20	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0094.N4151	30	7:21	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0095.COMP	12	7:22	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0096.M87	180	7:24	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0097.M87	180	7:27	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0098.COMP	12	7:31	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0099.MRK279	120	7:33	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0100.MRK279	120	7:36	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0101.COMP	12	7:38	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0102.N5548	150	7:40	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0103.N5548	150	7:43	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0104.N5548	150	7:46	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0105.COMP	12	7:49	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	

UT Date 2003-04-26 Observers M CalkinsColl. Focus 795 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0106.sn2003du	1200	7:53	14:34:35.8	59:20:03	300	-4	3.0	#2 SN Observat	2	
0107.COMP	12	8:13	14:34:35.8	59:20:03	300	-4	3.0	#2 SN Observat	2	
0108.FineFoc	120	8:20	15:02:35.1	31:11:30	300	90	5.0	#0 Calibration	1	300L, 5arcsec, tilt=610, binby1
0109-0118.BIAS	0	8:32	15:02:35.1	31:11:30	300	90	5.0	#0 Calibration	1	
0119-0128.FLAT	12	8:38	15:02:35.1	31:11:30	300	90	5.0	#0 Calibration	1	
0129.COMP	25	8:48	12:39:1	7:35:18	600	53	3.0	#70f Elliptica	3	600L, 3arcsec, tilt=452, binby3
0130.vcc1883	1200	8:48	12:39:1	7:35:18	600	53	3.0	#70f Elliptica	3	
0131.vcc1883	1200	9:09	12:39:1	7:35:18	600	53	3.0	#70f Elliptica	3	
0132.vcc1883	1200	9:29	12:39:1	7:35:18	600	53	3.0	#70f Elliptica	3	
0133.COMP	25	9:49	12:39:1	7:35:18	600	53	3.0	#70f Elliptica	3	
0134.BDp332642	180	10:06	15:50:03	33:05:49	600	91	3.0	#70f Elliptica	3	
0135.COMP	25	10:10	15:50:03	33:05:49	600	91	3.0	#70f Elliptica	3	
0136-0145.BIAS	0	10:13	15:50:03	33:05:49	600	91	3.0	none	3	
0146-0155.FLAT	25	10:19	15:50:03	33:05:49	600	91	3.0	none	3	
0156.BDp332642	150	10:29	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0157.COMP	10	10:32	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0158.hs1286	480	10:33	14:46:39.2	53:09:26	600	90	2.0	#122 Halo Star	4	
0159.COMP	10	10:41	14:46:39.2	53:09:26	600	90	2.0	#122 Halo Star	4	
0160.hs1287	660	10:42	14:47:50.6	51:01:11	600	90	2.0	#122 Halo Star	4	
0161.COMP	10	10:54	14:47:50.6	51:01:11	600	90	2.0	#122 Halo Star	4	

UT Date 2003-04-26 Observers M CalkinsColl. Focus 795 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0162.hs1289	1200	10:55	14:49:22.0	51:06:59	600	90	2.0	#122 Halo Star	4	
0163.COMP	10	11:15	14:49:22.0	51:06:59	600	90	2.0	#122 Halo Star	4	
0164.hs1289	1200	11:16	14:49:22.0	51:06:59	600	90	2.0	#122 Halo Star	4	
0165.COMP	10	11:37	14:49:22.0	51:06:59	600	90	2.0	#122 Halo Star	4	
0166.hs1285	900	11:38	14:45:01.7	49:54:23	600	90	2.0	#122 Halo Star	4	
0167.COMP	10	11:53	14:45:01.7	49:54:23	600	90	2.0	#122 Halo Star	4	
0168-0177.BIAS	0	11:56	14:45:01.7	49:54:23	600	90	2.0	#122 Halo Star	4	
0178-0187.FLAT	40	12:04	14:45:01.7	49:54:23	600	90	2.0	#122 Halo Star	4	
0188-0192.sky	2	12:19	14:45:01.7	49:54:23	300	90	3.0	#57 Velocity S	4	
0193.COMP	5	12:19	14:45:01.7	49:54:23	300	90	3.0	#57 Velocity S	4	
0194-0203.FLAT	6	12:25	14:45:01.7	49:54:23	300	90	3.0	#57 Velocity S	4	
0204-0213.DARK	900	14:42	14:45:01.7	49:54:23	300	90	3.0	#57 Velocity S	4	

UT Date 2003-04-27 Observers P BerlindColl. Focus 500 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	21:55	05:04:12.1	+31:30:06	300	90	3.0	#57 Velocity S	4	
0002.DARK	900	22:10	05:19:22.8	+31:30:09	300	90	3.0	#57 Velocity S	4	
0003.DARK	900	22:25	05:34:30.1	+31:30:13	300	90	3.0	#57 Velocity S	4	
0004.DARK	900	22:40	05:49:41.3	+31:30:16	300	90	3.0	#57 Velocity S	4	
0005.DARK	900	22:55	06:04:48.6	+31:30:20	300	90	3.0	#57 Velocity S	4	
0006.DARK	900	23:11	06:19:59.7	+31:30:24	300	90	3.0	#57 Velocity S	4	
0007.DARK	900	23:26	06:35:07.1	+31:30:27	300	90	3.0	#57 Velocity S	4	
0008.DARK	900	23:41	06:50:18.5	+31:30:31	300	90	3.0	#57 Velocity S	4	
0009.DARK	900	23:56	07:05:25.8	+31:30:34	300	90	3.0	#57 Velocity S	4	
0010.DARK	900	0:11	07:20:36.6	+31:30:38	300	90	3.0	#57 Velocity S	4	
0011.FLAT	30	1:24	08:19:42.2	+31:30:52	300	90	3.0	#57 Velocity S	1	
0012.COMP	5	1:29	08:24:19.6	+31:30:53	300	90	3.0	#57 Velocity S	4	
0013.fastfoc	5	1:41	08:36:11.9	+31:30:56	300	90	3.0	#57 Velocity S	4	fast focus mechanism and cables continue to
0014.fastfoc	5	1:42	08:36:28.9	+31:30:56	300	90	3.0	#57 Velocity S	4	
0015.fastfoc	5	1:42	08:36:46.0	+31:30:56	300	90	3.0	#57 Velocity S	4	
0016.fastfoc	5	1:42	08:37:03.2	+31:30:56	300	90	3.0	#57 Velocity S	4	
0017.fastfoc	5	1:42	08:37:16.8	+31:30:56	300	90	3.0	#57 Velocity S	4	
0018.fastfoc	5	1:43	08:37:34.0	+31:30:56	300	90	3.0	#57 Velocity S	4	
0019.fastfoc	5	1:43	08:37:51.2	+31:30:56	300	90	3.0	#57 Velocity S	4	
0020.fastfoc	5	1:43	08:38:04.7	+31:30:56	300	90	3.0	#57 Velocity S	4	



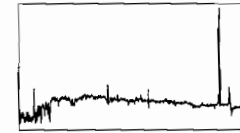
UT Date 2003-04-27 Observers P Berling

Coll. Focus 500 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0021.fastfoc	5	1:43	08:38:21.9	+31:30:56	300	90	3.0	#57 Velocity S	4	
0022.fastfoc	5	1:44	08:38:38.8	+31:30:56	300	90	3.0	#57 Velocity S	4	
0023.fastfoc	5	1:44	08:38:56.1	+31:30:56	300	90	3.0	#57 Velocity S	4	
0024.COMP	5	1:46	08:41:06.5	+31:30:57	300	90	3.0	#57 Velocity S	4	be in poor condition
0025-0034.BIAS	0	1:49	08:43:25.4	+31:30:57	300	90	3.0	#57 Velocity S	4	
0035.FLAT	8	1:49	08:43:47.1	+31:30:57	300	90	3.0	#57 Velocity S	4	fast ccd flood continues to be in
0036-0038.FLAT	8	1:50	08:44:47.6	+31:30:57	300	90	3.0	#57 Velocity S	4	
0039-0044.FLAT	8	1:52	08:46:49.6	+31:30:58	300	90	3.0	#57 Velocity S	4	
0045.BIAS	0	1:52	08:47:06.9	+31:30:58	300	90	3.0	#57 Velocity S	2	extremely poor condition
0046-0054.BIAS	0	1:54	08:49:04.0	+31:30:58	300	90	3.0	#57 Velocity S	2	
0055.FLAT	16	1:55	08:49:42.7	+31:30:58	300	90	3.0	#57 Velocity S	2	
0056-0063.FLAT	16	1:59	08:54:25.0	+31:30:59	300	90	3.0	#57 Velocity S	2	
0064.FLAT	16	2:00	08:54:59.8	+31:31:00	300	90	3.0	#57 Velocity S	2	
0065-0069.sky	3	2:14	9:03:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0070.COMP	5	2:16	9:03:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0071.HD52071	5	2:49	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0072.HD52071	5	2:50	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0073.HD52071	5	2:50	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0074.COMP	5	2:51	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0075.N3377	180	2:53	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	

UT Date 2003-04-27 Observers P BerlindColl. Focus 500 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.COMP	5	2:56	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0077.cairnsk2_172	900	3:12	7:23:31.1	57:27:17	300	90	3.0	#64f Cluster I	4	
0078.COMP	5	3:30	7:23:31.1	57:27:17	300	90	3.0	#64f Cluster I	4	
0079.cairnsk2_173	1200	3:33	7:13:50.2	53:43:9	300	90	3.0	#64f Cluster I	4	
0080.COMP	5	3:54	7:13:50.2	53:43:9	300	90	3.0	#64f Cluster I	4	
0081.Feige34	180	3:55	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	wow is that sensitivity down!
0082.Feige34	180	3:59	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0083.COMP	10	4:02	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0084.sn2003cg	1200	4:04	10:14:15.9	+03:28:02	300	25	3.0	#2 SN Observat	2	
0085.COMP	10	4:27	10:14:15.9	+03:28:02	300	25	3.0	#2 SN Observat	2	
0086.cairnss2_075	900	4:37	11:43:49.1	19:58:6	300	0	3.0	#64f Cluster I	4	
0087.COMP	5	4:53	11:43:49.1	19:58:6	300	0	3.0	#64f Cluster I	4	
0088.sn2003cq	1200	4:56	11:56:14.1	+60:31:19	300	0	3.0	#2 SN Observat	2	
0089.sn2003cq	1200	5:18	11:56:14.1	+60:31:19	300	0	3.0	#2 SN Observat	2	clouds moving in
0090.COMP	10	5:38	11:56:14.1	+60:31:19	300	0	3.0	#2 SN Observat	2	
0091.sn2003du	1200	5:40	14:34:35.8	59:20:03	300	45	3.0	#2 SN Observat	2	
0092.COMP	10	6:01	14:34:35.8	59:20:03	300	45	3.0	#2 SN Observat	2	tests for Ted
0093.cairnss2_074	1200	6:22	11:51:34.6	15:28:31	300	90	3.0	#64f Cluster I	4	ugh focus wacked upon startup
0094.COMP	5	6:42	11:51:34.6	15:28:31	300	90	3.0	#64f Cluster I	4	bad focus, redo
0095.BIAS	0	8:10	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	4	clouds.

UT Date 2003-04-27 Observers P. BerlindColl. Focus 500 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>
0096-0104.BIAS	0	8:11	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	4	
0105-0114.FLAT	8	8:14	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	4	
0115-0124.BIAS	0	8:17	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	2	
0125-0134.FLAT	16	8:22	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	2	
0135-0144.DARK	1200	11:39	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	2	

UT Date 2003-04-28 Observers P BerlindColl. Focus 775 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.1200tilt10	45	20:51	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	2	
0002.1200tilt10	120	20:53	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	2	
0003.1200tilt285	30	21:18	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	2	
0004.1200tilt285	120	21:19	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	2	
0005.1200tilt560	30	21:26	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	2	
0006.1200tilt560	15	21:28	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	2	
0007.1200tilt560	120	21:28	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	2	
0008.1200tilt835	10	22:08	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	2	
0009.1200tilt835	20	22:08	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	2	
0010.1200tilt860	10	22:11	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	2	
0011.1200tilt860	20	22:11	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	2	
0012.fastflood	20	22:12	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	2	
0013.fastflood	90	22:15	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	2	
0014.fastflood	180	22:17	11:43:2	23:56:39	1200	90	1.5	#57 Velocity S	1	
0015.COMP	5	22:23	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	4	
0016.COMP	5	22:23	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	4	
0017-0026.DARK	900	0:41	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	4	
0027-0028.DARK	900	1:11	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	2	
0029-0038.BIAS	0	2:01	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	4	
0039-0048.FLAT	8	2:05	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	4	

UT Date 2003-04-28 Observers P BerlindColl. Focus 775 Grating/Grism 300

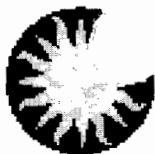
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0049-0058.BIAS	0	2:07	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	2	
0059-0063.FLAT	16	2:10	11:43:2	23:56:39	300	90	3.0	#57 Velocity S	2	
0064-0068.FLAT	16	2:13	9:10:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0069-0073.sky	3	2:15	9:10:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0074.COMP	5	2:18	9:10:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0075.COMP	5	2:33	9:10:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0076.FineFoc	100	2:44	09:58:53.2	31:24:43	300	90	3.0	#57 Velocity S	1	
0077.cairnss2_074	300	2:59	11:51:34.6	15:28:31	300	90	3.0	#64f Cluster I	4	
0078.COMP	5	3:04	11:51:34.6	15:28:31	300	90	3.0	#64f Cluster I	4	
0079.cairnss2_077	210	3:05	12:2:5.4	17:49:23	300	90	3.0	#64f Cluster I	4	
0080.COMP	5	3:09	12:2:5.4	17:49:23	300	90	3.0	#64f Cluster I	4	
0081.cairnss2_076	420	3:10	11:43:22.7	16:29:7	300	90	3.0	#64f Cluster I	4	
0082.COMP	5	3:17	11:43:22.7	16:29:7	300	90	3.0	#64f Cluster I	4	
0083.sn2003ch	120	3:22	07:17:57.9	+09:41:34	300	60	3.0	#2 SN Observat	2	
0084.sn2003ch	1200	3:24	07:17:57.9	+09:41:34	300	60	3.0	#2 SN Observat	2	
0085.COMP	10	3:45	07:17:57.9	+09:41:34	300	60	3.0	#2 SN Observat	2	
0086.Feige34	180	3:47	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0087.Feige34	180	3:51	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0088.COMP	10	3:54	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0089.cairnss2_078	180	3:56	11:44:0.7	20:1:45	300	90	3.0	#64f Cluster I	4	

UT Date 2003-04-28 Observers P BerlindColl. Focus 775 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.COMP	5	4:00	11:44:0.7	20:1:45	300	90	3.0	#64f Cluster I	4	
0091.cairnss2_079	180	4:01	11:54:20	16:14:29	300	90	3.0	#64f Cluster I	4	
0092.COMP	5	4:04	11:54:20	16:14:29	300	90	3.0	#64f Cluster I	4	
0093.cairnss2_080	360	4:05	11:43:2	23:56:39	300	90	3.0	#64f Cluster I	4	
0094.COMP	5	4:11	11:43:2	23:56:39	300	90	3.0	#64f Cluster I	4	
0095.cairnss2_081	480	4:12	11:51:31.2	23:51:46	300	90	3.0	#64f Cluster I	4	
0096.COMP	5	4:22	11:51:31.2	23:51:46	300	90	3.0	#64f Cluster I	4	
0097.cairnss2_083	360	4:23	11:39:14.8	17:8:36	300	90	3.0	#64f Cluster I	4	
0098.COMP	5	4:30	11:39:14.8	17:8:36	300	90	3.0	#64f Cluster I	4	
0099.cairnss2_084	360	4:30	12:3:7	20:48:19	300	90	3.0	#64f Cluster I	4	
0100.COMP	5	4:37	12:3:7	20:48:19	300	90	3.0	#64f Cluster I	4	
0101.cairnss2_085	300	4:37	11:45:59.8	20:26:20	300	90	3.0	#64f Cluster I	4	
0102.COMP	5	4:43	11:45:59.8	20:26:20	300	90	3.0	#64f Cluster I	4	
0103.cairnss2_086	420	4:44	11:56:15	17:1:46	300	90	3.0	#64f Cluster I	4	
0104.COMP	5	4:51	11:56:15	17:1:46	300	90	3.0	#64f Cluster I	4	
0105.cairnss2_087	420	4:52	11:44:52.2	19:27:15	300	90	3.0	#64f Cluster I	4	
0106.COMP	5	4:59	11:44:52.2	19:27:15	300	90	3.0	#64f Cluster I	4	
0107.cairnss2_088	420	5:00	12:1:44.9	20:19:41	300	90	3.0	#64f Cluster I	4	
0108.COMP	5	5:07	12:1:44.9	20:19:41	300	90	3.0	#64f Cluster I	4	
0109.cairnss2_089	600	5:08	11:42:39.4	24:49:21	300	90	3.0	#64f Cluster I	4	

UT Date 2003-04-28 Observers P BerlindColl. Focus 775 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0110.COMP	5	5:19	11:42:39.4	24:49:21	300	90	3.0	#64f Cluster I	4	
0111.cairnss2_090	210	5:20	11:36:54.3	19:58:17	300	90	3.0	#64f Cluster I	4	
0112.COMP	5	5:23	11:36:54.3	19:58:17	300	90	3.0	#64f Cluster I	4	
0113.cairnss2_091	210	5:24	11:51:29.1	15:46:13	300	90	3.0	#64f Cluster I	4	
0114.COMP	5	5:28	11:51:29.1	15:46:13	300	90	3.0	#64f Cluster I	4	
0115.cairnss2_092	210	5:28	12:4:50.7	19:14:51	300	90	3.0	#64f Cluster I	4	
0116.COMP	5	5:32	12:4:50.7	19:14:51	300	90	3.0	#64f Cluster I	4	
0117.sn2003du	1200	5:38	14:34:35.8	59:20:03	300	45	3.0	#2 SN Observat	2	
0118.COMP	10	5:59	14:34:35.8	59:20:03	300	45	3.0	#2 SN Observat	2	
0119.Pr12	1200	6:02	14:45:28.0	+31:26:04	300	0	3.0	#135 Starburst	2	
0120.COMP	10	6:22	14:45:28.0	+31:26:04	300	0	3.0	#135 Starburst	2	
0121.XS00939B0_004	1200	6:26	15:10:04.0	+07:40:37	300	90	3.0	#129 CHAMP Sou	2	
0122.COMP	10	6:46	15:10:04.0	+07:40:37	300	90	3.0	#129 CHAMP Sou	2	
0123.XS00800B7_006	720	6:48	15:14:23.8	+36:35:11	300	90	3.0	#129 CHAMP Sou	2	
0124.COMP	10	7:00	15:14:23.8	+36:35:11	300	90	3.0	#129 CHAMP Sou	2	
0125.XS00800B7_004	1200	7:01	15:14:27.0	+36:38:02	300	90	3.0	#129 CHAMP Sou	2	
0126.COMP	10	7:21	15:14:27.0	+36:38:02	300	90	3.0	#129 CHAMP Sou	2	
0127.XS00800B8_003	1200	7:23	15:14:44.5	+36:42:38	300	90	3.0	#129 CHAMP Sou	2	
0128.COMP	10	7:44	15:14:44.5	+36:42:38	300	90	3.0	#129 CHAMP Sou	2	
0129.XS02085B6_003	1200	7:46	15:32:56.8	-00:32:09	300	90	3.0	#129 CHAMP Sou	2	

UT Date 2003-04-28 Observers P BerlindColl. Focus 775 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0130.XS02085B6_003	1200	8:07	15:32:56.8	-00:32:09	300	90	3.0	#129 CHAMP Sou	2	
0131.COMP	10	8:27	15:32:56.8	-00:32:09	300	90	3.0	#129 CHAMP Sou	2	
0132.XS00869B7_038	1200	8:29	15:34:47.2	+23:29:12	300	90	3.0	#129 CHAMP Sou	2	
0133.COMP	10	8:49	15:34:47.2	+23:29:12	300	90	3.0	#129 CHAMP Sou	2	
0134.FineFoc	120	8:51	15:58:27.9	31:11:38	300	90	3.0	#57 Velocity S	1	
0135.XS00822B6_002	1200	8:59	15:43:16.4	+54:05:26	300	90	3.0	#129 CHAMP Sou	2	needs a little more, also observed file 148
0136.COMP	10	9:19	15:43:16.4	+54:05:26	300	90	3.0	#129 CHAMP Sou	2	
0137.BDp332642	120	9:20	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0138.BDp332642	120	9:22	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0139.COMP	10	9:25	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0140.XS00326B7_015	300	9:28	15:49:47.2	+21:28:56	300	90	3.0	#129 CHAMP Sou	2	
0141.COMP	10	9:33	15:49:47.2	+21:28:56	300	90	3.0	#129 CHAMP Sou	2	
0142.XS00546B2_010	1200	9:34	16:23:00.2	+26:37:55	300	90	3.0	#129 CHAMP Sou	2	
0143.COMP	10	9:55	16:23:00.2	+26:37:55	300	90	3.0	#129 CHAMP Sou	2	
0144.XS00546B1_002	120	9:56	16:24:15.5	+26:37:28	300	90	3.0	#129 CHAMP Sou	2	
0145.COMP	10	9:58	16:24:15.5	+26:37:28	300	90	3.0	#129 CHAMP Sou	2	
0146.XS00841B7_013	1200	10:00	18:06:03.3	+69:51:17	300	90	3.0	#129 CHAMP Sou	2	
0147.COMP	10	10:21	18:06:03.3	+69:51:17	300	90	3.0	#129 CHAMP Sou	2	
0148.XS00822B6_002	1200	10:23	15:43:16.4	+54:05:26	300	90	3.0	#129 CHAMP Sou	2	add to file 135 please
0149.COMP	10	10:43	15:43:16.4	+54:05:26	300	90	3.0	#129 CHAMP Sou	2	

UT Date 2003-04-28 Observers P BerlindColl. Focus 775 Grating/Grism 300

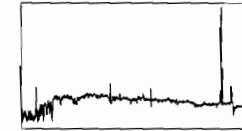
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0150.Pr13a	1200	10:51	15:32:31.5	+57:53:16	300	90	3.0	#135 Starburst	2	
0151.COMP	10	11:11	15:32:31.5	+57:53:16	300	90	3.0	#135 Starburst	2	
0152.N5866	240	11:12	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0153.COMP	5	11:16	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0154.YYHer	30	11:18	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0155.YYHer	10	11:19	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0156.YYHer	150	11:19	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0157.COMP	5	11:23	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0158.FineFoc	120	11:25	17:58:24.1	31:10:50	300	90	3.0	#57 Velocity S	1	
0159-0168.BIAS	0	11:42	17:58:24.1	31:10:50	300	90	3.0	#57 Velocity S	4	
0169-0178.FLAT	8	11:46	17:58:24.1	31:10:50	300	90	3.0	#57 Velocity S	4	
0179-0188.BIAS	0	11:48	17:58:24.1	31:10:50	300	90	3.0	#57 Velocity S	2	
0189-0198.FLAT	16	11:54	17:58:24.1	31:10:50	300	90	3.0	#57 Velocity S	2	
0199-0208.DARK	1200	14:59	17:58:24.1	31:10:50	300	90	3.0	#57 Velocity S	2	

UT Date 2003-04-29 Observers P BerlindColl. Focus 820 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	1200	23:56	3:20:00	25:00:00	600	90	2.0	#57 Velocity S	2	
0008.FLAT	30	1:05	3:20:00	25:00:00	600	90	2.0	#57 Velocity S	2	telescope won
0009-0020.FLAT	30	1:13	3:20:00	25:00:00	600	90	2.0	#57 Velocity S	2	
0021.BIAS	0	1:19	3:20:00	25:00:00	600	90	2.0	#57 Velocity S	2	loosen worm with Wayne
0022-0030.BIAS	0	1:21	3:20:00	25:00:00	600	90	2.0	#57 Velocity S	2	
0031.Feige34	240	5:10	10:36:41.2	43:21:50	600	100	2.0	#88f Mass Func	2	clear skies
0032.Feige34	480	5:15	10:36:41.2	43:21:50	600	100	2.0	#88f Mass Func	2	
0033.COMP	10	5:23	10:36:41.2	43:21:50	600	100	2.0	#88f Mass Func	2	
0034.COMP	10	5:25	10:48:01.0	+43:11:11	600	10	2.0	#88 Mass Funct	2	
0035.MF7015	900	5:27	10:48:01.0	+43:11:11	600	10	2.0	#88 Mass Funct	2	
0036.MF7015	900	5:43	10:48:01.0	+43:11:11	600	10	2.0	#88 Mass Funct	2	
0037.COMP	10	5:59	10:48:01.0	+43:11:11	600	10	2.0	#88 Mass Funct	2	
0038.COMP	10	6:05	10:40:55.1	+05:59:28	600	-65	2.0	#88 Mass Funct	2	
0039.MF7133	900	6:06	10:40:55.1	+05:59:28	600	-65	2.0	#88 Mass Funct	2	
0040.MF7133	900	6:25	10:40:55.1	+05:59:28	600	-65	2.0	#88 Mass Funct	2	
0041.COMP	5	6:40	10:40:55.1	+05:59:28	600	-65	2.0	#88 Mass Funct	2	
0042.COMP	10	6:41	11:13:15.9	+03:39:26	600	-5	2.0	#88 Mass Funct	2	
0043.MF7094	900	6:43	11:13:15.9	+03:39:26	600	-5	2.0	#88 Mass Funct	2	
0044.MF7094	900	7:00	11:13:15.9	+03:39:26	600	-5	2.0	#88 Mass Funct	2	
0045.MF7094	720	7:16	11:13:15.9	+03:39:26	600	-5	2.0	#88 Mass Funct	2	clouds moving in

UT Date 2003-04-29 Observers P BerlindColl. Focus 820 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0046.COMP	10	7:28	11:13:15.9	+03:39:26	600	-5	2.0	#88 Mass Funct	2	
0047.COMP	10	8:22	14:33:58.0	+03:44:47	600	-60	2.0	#88 Mass Funct	2	
0048.MF7020	720	8:23	14:33:58.0	+03:44:47	600	-60	2.0	#88 Mass Funct	2	
0049.MF7020	540	8:36	14:33:58.0	+03:44:47	600	-60	2.0	#88 Mass Funct	2	stopped by clouds
0050.COMP	10	8:46	14:33:58.0	+03:44:47	600	-60	2.0	#88 Mass Funct	2	
0051.BDp332642	360	9:58	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0052.BDp332642	360	10:05	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0053.COMP	10	10:11	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0054.BDp332642	5	10:18	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0055.FineFoc	60	10:22	15:50:03	33:05:49	600	90	2.0	#88 Mass Funct	1	
0056.FineFoc	60	10:30	15:50:52	32:57:45	600	90	2.0	#88 Mass Funct	1	
0057.sn2003dw	1200	10:48	16:45:51.1	+59:37:38	600	90	2.0	#2 SN Observat	2	lots of clouds
0058.COMP	10	11:09	16:45:51.1	+59:37:38	600	90	2.0	#2 SN Observat	2	
0059-0068.BIAS	0	11:25	16:45:51.1	+59:37:38	600	90	2.0	#88 Mass Funct	2	
0069-0078.FLAT	30	11:33	16:45:51.1	+59:37:38	600	90	2.0	#88 Mass Funct	2	

UT Date 2003-04-30 Observers M CalkinsColl. Focus 902 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	2:46	09:52:26.8	+31:31:10	600	90	2.0	#88 Mass Funct	2	
0011-0015.FLAT	35	2:52	09:59:35.5	+31:31:11	600	90	2.0	#88 Mass Funct	2	
0016-0020.FLAT	35	2:56	10:03:33.4	+31:31:12	600	90	2.0	#88 Mass Funct	2	
0021.Feige34	240	3:09	10:36:41.2	43:21:50	600	25	2.0	#56 Spectropho	2	
0022.COMP	35	3:14	10:36:41.2	43:21:50	600	25	2.0	#56 Spectropho	2	
0023.HD109519	52	3:19	12:35:08.2	21:52:53	600	90	2.0	#88f Mass Func	2	
0024.COMP	35	3:21	12:35:08.2	21:52:53	600	90	2.0	#88f Mass Func	2	
0025.NGC4278	240	3:24	12:17:36.1	29:33:29	600	105	2.0	#88f Mass Func	2	
0026.NGC4278	240	3:28	12:17:36.1	29:33:29	600	105	2.0	#88f Mass Func	2	
0027.NGC4278	240	3:32	12:17:36.1	29:33:29	600	105	2.0	#88f Mass Func	2	
0028.COMP	35	3:37	12:17:36.1	29:33:29	600	105	2.0	#88f Mass Func	2	
0029.COMP	35	3:42	11:13:15.9	+03:39:26	600	-5	2.0	#88 Mass Funct	2	
0030.MF7094	600	3:43	11:13:15.9	+03:39:26	600	-5	2.0	#88 Mass Funct	2	
0031.MF7094	600	3:53	11:13:15.9	+03:39:26	600	-5	2.0	#88 Mass Funct	2	
0032.MF7094	600	4:04	11:13:15.9	+03:39:26	600	-5	2.0	#88 Mass Funct	2	
0033.COMP	35	4:14	11:13:15.9	+03:39:26	600	-5	2.0	#88 Mass Funct	2	
0034.COMP	35	4:17	11:37:04.2	+12:55:35	600	-55	2.0	#88 Mass Funct	2	
0035.MF0016	900	4:18	11:37:04.2	+12:55:35	600	-55	2.0	#88 Mass Funct	2	
0036.MF0016	900	4:34	11:37:04.2	+12:55:35	600	-55	2.0	#88 Mass Funct	2	
0037.MF0016	900	4:49	11:37:04.2	+12:55:35	600	-55	2.0	#88 Mass Funct	2	

UT Date 2003-04-30 Observers M CalkinsColl. Focus 902 Grating/Grism 600

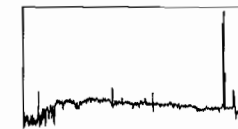
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0038.COMP	35	5:05	11:37:04.2	+12:55:35	600	-55	2.0	#88 Mass Funct	2	
0039.COMP	35	5:16	12:02:57.8	+04:50:45	600	-55	2.0	#88 Mass Funct	2	
0040.MF7127	600	5:17	12:02:57.8	+04:50:45	600	-55	2.0	#88 Mass Funct	2	
0041.MF7127	600	5:27	12:02:57.8	+04:50:45	600	-55	2.0	#88 Mass Funct	2	need more cts...
0042.COMP	35	5:37	12:02:57.8	+04:50:45	600	-55	2.0	#88 Mass Funct	2	
0043.MF7127	1200	5:39	12:02:57.8	+04:50:45	600	-55	2.0	#88 Mass Funct	2	
0044.MF7127	1200	5:59	12:02:57.8	+04:50:45	600	-55	2.0	#88 Mass Funct	2	
0045.COMP	35	6:19	12:02:57.8	+04:50:45	600	-55	2.0	#88 Mass Funct	2	
0046.COMP	35	6:23	12:05:37.7	+01:49:41	600	30	2.0	#88 Mass Funct	2	
0047.MF7093	600	6:24	12:05:37.7	+01:49:41	600	30	2.0	#88 Mass Funct	2	
0048.MF7093	600	6:35	12:05:37.7	+01:49:41	600	30	2.0	#88 Mass Funct	2	
0049.COMP	35	6:45	12:05:37.7	+01:49:41	600	30	2.0	#88 Mass Funct	2	
0050.HD120420	49	6:49	13:48:38.7	31:11:24	600	90	2.0	#88f Mass Funct	2	
0051.COMP	35	6:50	13:48:38.7	31:11:24	600	90	2.0	#88f Mass Funct	2	
0052.FineFoc	60	6:57	13:56:20.5	31:52:54	600	90	2.0	#88 Mass Funct	1	
0053.NGC4839	240	7:09	12:54:59.0	27:46:00	600	71	2.0	#88f Mass Funct	2	
0054.NGC4839	240	7:13	12:54:59.0	27:46:00	600	71	2.0	#88f Mass Funct	2	
0055.NGC4839	240	7:17	12:54:59.0	27:46:00	600	71	2.0	#88f Mass Funct	2	
0056.COMP	35	7:22	12:54:59.0	27:46:00	600	71	2.0	#88f Mass Funct	2	
0057.MF4071	450	7:24	13:18:28.5	+31:46:37	600	-25	2.0	#88 Mass Funct	2	

UT Date 2003-04-30 Observers M CalkinsColl. Focus 902 Grating/Grism 600

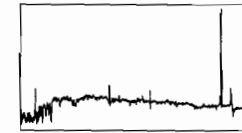
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.MF4071	450	7:32	13:18:28.5	+31:46:37	600	-25	2.0	#88 Mass Funct	2	
0059.COMP	35	7:40	13:18:28.5	+31:46:37	600	-25	2.0	#88 Mass Funct	2	
0060.COMP	35	7:46	14:02:55.7	+09:25:13	600	-60	2.0	#88 Mass Funct	2	
0061.MF6011	600	7:47	14:02:55.7	+09:25:13	600	-60	2.0	#88 Mass Funct	2	
0062.MF6011	600	7:57	14:02:55.7	+09:25:13	600	-60	2.0	#88 Mass Funct	2	
0063.MF6011	600	8:07	14:02:55.7	+09:25:13	600	-60	2.0	#88 Mass Funct	2	
0064.COMP	35	8:18	14:02:55.7	+09:25:13	600	-60	2.0	#88 Mass Funct	2	
0065.COMP	35	8:22	12:15:37.6	+23:58:54	600	55	2.0	#88 Mass Funct	2	
0066.MF6009	600	8:23	12:15:37.6	+23:58:54	600	55	2.0	#88 Mass Funct	2	
0067.MF6009	600	8:33	12:15:37.6	+23:58:54	600	55	2.0	#88 Mass Funct	2	
0068.MF6009	600	8:43	12:15:37.6	+23:58:54	600	55	2.0	#88 Mass Funct	2	
0069.COMP	35	8:54	12:15:37.6	+23:58:54	600	55	2.0	#88 Mass Funct	2	
0070.HD140716	50	8:56	15:43:59.3	32:30:56	600	90	2.0	#88f Mass Funct	2	
0071.COMP	35	8:58	15:43:59.3	32:30:56	600	90	2.0	#88f Mass Funct	2	
0072.FineFoc	60	9:00	16:02:03.6	32:01:37	600	90	2.0	#88 Mass Funct	1	
0073.COMP	35	9:08	14:00:37.3	-02:51:29	600	90	2.0	#88 Mass Funct	4	got burned by finefoc script resetting binning!
0074.MF6010	600	9:09	14:00:37.3	-02:51:29	600	90	2.0	#88 Mass Funct	4	didn
0075.MF6010	600	9:19	14:00:37.3	-02:51:29	600	90	2.0	#88 Mass Funct	4	
0076.MF6010	600	9:30	14:00:37.3	-02:51:29	600	90	2.0	#88 Mass Funct	4	
0077.COMP	35	9:40	14:00:37.3	-02:51:29	600	90	2.0	#88 Mass Funct	4	

UT Date 2003-04-30 Observers M CalkinsColl. Focus 902 Grating/Grism 600

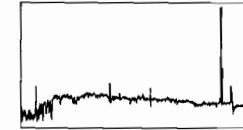
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.MF7028	600	9:44	13:53:41.9	+03:22:39	600	105	2.0	#88 Mass Funct	4	
0079.MF7028	600	9:54	13:53:41.9	+03:22:39	600	105	2.0	#88 Mass Funct	4	
0080.COMP	35	10:04	13:53:41.9	+03:22:39	600	105	2.0	#88 Mass Funct	4	
0081.COMP	35	10:06	13:15:21.5	+01:55:39	600	90	2.0	#88 Mass Funct	4	
0082.MF7024	900	10:07	13:15:21.5	+01:55:39	600	90	2.0	#88 Mass Funct	4	
0083.MF7024	900	10:22	13:15:21.5	+01:55:39	600	90	2.0	#88 Mass Funct	4	
0084.COMP	35	10:38	13:15:21.5	+01:55:39	600	90	2.0	#88 Mass Funct	4	
0085.HD155344	49	10:41	17:09:56.9	26:27:19	600	90	2.0	#88f Mass Func	4	
0086.COMP	35	10:42	17:09:56.9	26:27:19	600	90	2.0	#88f Mass Func	4	
0087.NGC5846	240	10:45	15:03:56.9	01:47:53	600	48	2.0	#88f Mass Func	4	
0088.NGC5846	240	10:49	15:03:56.9	01:47:53	600	48	2.0	#88f Mass Func	4	
0089.NGC5846	240	10:53	15:03:56.9	01:47:53	600	48	2.0	#88f Mass Func	4	
0090.COMP	35	10:58	15:03:56.9	01:47:53	600	48	2.0	#88f Mass Func	4	
0091.BDp332642	150	11:01	15:50:03	33:05:49	600	83	2.0	#56 Spectropho	4	
0092.COMP	35	11:04	15:50:03	33:05:49	600	83	2.0	#56 Spectropho	4	
0093-0102.BIAS	0	11:07	15:50:03	33:05:49	600	83	2.0	#88 Mass Funct	4	
0103-0112.FLAT	24	11:12	15:50:03	33:05:49	600	83	2.0	#88 Mass Funct	4	
0113-0122.DARK	900	14:23	17:16:30.5	-06:14:33	300	90	3.0	#88 Mass Funct	4	

UT Date 2003-05-01 Observers M CalkinsColl. Focus 825 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	23:58	07:23:32.6	+31:30:39	300	90	3.0	#88 Mass Funct	2	
0002.DARK	900	0:13	07:38:46.8	+31:30:42	300	90	3.0	#88 Mass Funct	2	
0003.DARK	900	0:29	07:54:04.1	+31:30:46	300	90	3.0	#88 Mass Funct	2	
0004.DARK	900	0:44	08:09:18.4	+31:30:50	300	90	3.0	#88 Mass Funct	2	
0005.DARK	900	0:59	08:24:32.1	+31:30:53	300	90	3.0	#88 Mass Funct	2	
0006.DARK	900	1:14	08:39:49.2	+31:30:56	300	90	3.0	#88 Mass Funct	2	
0007.DARK	900	1:29	08:55:02.8	+31:30:59	300	90	3.0	#88 Mass Funct	2	
0008.BIAS	0	1:45	08:55:19.7	+31:30:59	300	90	3.0	#88 Mass Funct	2	
0009-0017.BIAS	0	1:47	08:57:18.2	+31:31:00	300	90	3.0	#88 Mass Funct	2	
0018-0023.FLAT	35	2:09	09:20:15.1	+31:31:04	600	90	2.0	#88 Velocity S	2	
0024-0027.FLAT	35	2:12	09:23:26.3	+31:31:05	600	90	2.0	#88 Velocity S	2	
0028-0032.sky	3	2:15	09:25:59.1	+31:31:05	600	90	2.0	#88 Velocity S	2	
0033.COMP	35	2:16	09:27:03.5	+31:31:06	600	90	2.0	#88 Velocity S	2	
0034.Feige34	240	2:46	10:36:41.2	43:21:50	600	41	2.0	#56 Spectropho	2	
0035.COMP	35	2:50	10:36:41.2	43:21:50	600	41	2.0	#56 Spectropho	2	
0036.NGC3031	180	2:54	09:51:27.3	69:18:08	600	-3	2.0	#88f Mass Func	2	
0037.NGC3031	180	2:57	09:51:27.3	69:18:08	600	-3	2.0	#88f Mass Func	2	
0038.NGC3031	180	3:01	09:51:27.3	69:18:08	600	-3	2.0	#88f Mass Func	2	
0039.COMP	35	3:04	09:51:27.3	69:18:08	600	-3	2.0	#88f Mass Func	2	
0040.HD100006	57	3:08	11:30:29.0	18:24:35	600	90	2.0	#88f Mass Func	2	

UT Date 2003-05-01 Observers M CalkinsColl. Focus 825 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0041.COMP	35	3:09	11:30:29.0	18:24:35	600	90	2.0	#88f Mass Func	2	
0042.COMP	35	3:15	12:04:27.2	+01:53:42	600	105	2.0	#88 Mass Funct	2	
0043.MF6007	600	3:16	12:04:27.2	+01:53:42	600	105	2.0	#88 Mass Funct	2	
0044.MF6007	600	3:26	12:04:27.2	+01:53:42	600	105	2.0	#88 Mass Funct	2	
0045.MF6007	600	3:37	12:04:27.2	+01:53:42	600	105	2.0	#88 Mass Funct	2	
0046.COMP	35	3:47	12:04:27.2	+01:53:42	600	105	2.0	#88 Mass Funct	2	
0047.BIAS	0	3:48	12:04:27.2	+01:53:42	600	105	2.0	#88 Mass Funct	1	
0048.FineFoc	60	3:53	11:01:27.4	31:14:47	600	90	2.0	#88 Mass Funct	1	
0049.MF7002	600	4:08	13:05:58.6	+03:57:23	600	105	2.0	#88 Mass Funct	2	
0050.MF7002	600	4:18	13:05:58.6	+03:57:23	600	105	2.0	#88 Mass Funct	2	need more cts
0051.COMP	35	4:28	13:05:58.6	+03:57:23	600	105	2.0	#88 Mass Funct	2	
0052.MF7002	600	4:29	13:05:58.6	+03:57:23	600	105	2.0	#88 Mass Funct	2	
0053.MF7002	600	4:40	13:05:58.6	+03:57:23	600	105	2.0	#88 Mass Funct	2	
0054.COMP	35	4:50	13:05:58.6	+03:57:23	600	105	2.0	#88 Mass Funct	2	
0055.MF0030	600	4:53	12:20:14.2	+17:20:47	600	-30	2.0	#88 Mass Funct	2	
0056.MF0030	600	5:04	12:20:14.2	+17:20:47	600	-30	2.0	#88 Mass Funct	2	
0057.COMP	35	5:14	12:20:14.2	+17:20:47	600	-30	2.0	#88 Mass Funct	2	
0058.COMP	35	5:17	11:42:23.6	+10:15:51	600	65	2.0	#88 Mass Funct	2	
0059.MF6006	600	5:18	11:42:23.6	+10:15:51	600	65	2.0	#88 Mass Funct	2	
0060.MF6006	600	5:29	11:42:23.6	+10:15:51	600	65	2.0	#88 Mass Funct	2	

UT Date 2003-05-01 Observers M CalkinsColl. Focus 825 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0061.MF6006	600	5:39	11:42:23.6	+10:15:51	600	65	2.0	#88 Mass Funct	2	
0062.COMP	35	5:49	11:42:23.6	+10:15:51	600	65	2.0	#88 Mass Funct	2	
0063.HD114724	52	5:53	13:12:08.4	24:15:28	600	90	2.0	#88f Mass Func	2	
0064.COMP	35	5:54	13:12:08.4	24:15:28	600	90	2.0	#88f Mass Func	2	
0065.NGC4621	180	5:57	12:39:31.2	11:55:15	600	15	2.0	#88f Mass Func	2	
0066.NGC4621	180	6:00	12:39:31.2	11:55:15	600	15	2.0	#88f Mass Func	2	
0067.NGC4621	180	6:03	12:39:31.2	11:55:15	600	15	2.0	#88f Mass Func	2	
0068.COMP	35	6:07	12:39:31.2	11:55:15	600	15	2.0	#88f Mass Func	2	
0069.COMP	35	6:11	14:00:37.3	-02:51:29	600	-14	2.0	#88 Mass Funct	2	
0070.MF6010	600	6:12	14:00:37.3	-02:51:29	600	-14	2.0	#88 Mass Funct	2	
0071.MF6010	600	6:22	14:00:37.3	-02:51:29	600	-14	2.0	#88 Mass Funct	2	
0072.MF6010	600	6:32	14:00:37.3	-02:51:29	600	-14	2.0	#88 Mass Funct	2	
0073.COMP	35	6:43	14:00:37.3	-02:51:29	600	-14	2.0	#88 Mass Funct	2	
0074.COMP	35	6:48	13:53:41.9	+03:22:39	600	90	2.0	#88 Mass Funct	2	
0075.MF7028	900	6:50	13:53:41.9	+03:22:39	600	90	2.0	#88f Mass Func	2	
0076.MF7028	900	7:05	13:53:41.9	+03:22:39	600	90	2.0	#88f Mass Func	2	
0077.COMP	35	7:20	13:53:41.9	+03:22:39	600	90	2.0	#88f Mass Func	2	
0078.COMP	35	7:24	13:15:21.5	+01:55:39	600	30	2.0	#88 Mass Funct	2	
0079.MF7024	900	7:25	13:15:21.5	+01:55:39	600	30	2.0	#88 Mass Funct	2	
0080.MF7024	900	7:40	13:15:21.5	+01:55:39	600	30	2.0	#88 Mass Funct	2	

UT Date 2003-05-01 Observers M CalkinsColl. Focus 825 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0081.COMP	35	7:56	13:15:21.5	+01:55:39	600	30	2.0	#88 Mass Funct	2	
0082.HD134335	52	7:59	15:08:35.6	25:06:31	600	90	2.0	#88f Mass Func	2	
0083.COMP	35	8:00	15:08:35.6	25:06:31	600	90	2.0	#88f Mass Func	2	
0084.NGC5846	240	8:03	15:03:56.9	01:47:53	600	2	2.0	#88f Mass Func	2	row=79
0085.NGC5846	240	8:07	15:03:56.9	01:47:53	600	2	2.0	#88f Mass Func	2	
0086.NGC5846	240	8:11	15:03:56.9	01:47:53	600	2	2.0	#88f Mass Func	2	
0087.COMP	35	8:16	15:03:56.9	01:47:53	600	2	2.0	#88f Mass Func	2	
0088.BDp332642	150	8:20	15:50:03	33:05:49	600	76	2.0	#56 Spectropho	2	no observable abs....
0089.COMP	35	8:23	15:50:03	33:05:49	600	76	2.0	#56 Spectropho	2	
0090.FineFoc	60	8:27	16:02:03.6	32:01:37	600	90	2.0	#56 Spectropho	1	
0091.FineFoc	60	8:42	16:02:03.6	32:01:37	600	90	2.0	#56 Spectropho	1	
0092.FineFoc	60	8:51	16:02:03.6	32:01:37	600	90	2.0	#56 Spectropho	1	
0093.BDp332642	150	9:01	15:50:03	33:05:49	600	105	2.0	#56 Spectropho	2	em exposures....
0094.COMP	35	9:04	15:50:03	33:05:49	600	105	2.0	#56 Spectropho	2	
0095.BDp332642	150	9:05	15:50:03	33:05:49	600	105	2.0	#56 Spectropho	2	
0096.COMP	35	9:08	15:50:03	33:05:49	600	105	2.0	#56 Spectropho	2	
0097.COMP	35	9:10	13:53:41.9	+03:22:39	600	105	2.0	#88 Mass Funct	2	
0098.MF7028	900	9:11	13:53:41.9	+03:22:39	600	105	2.0	#88 Mass Funct	2	
0099.MF7028	900	9:27	13:53:41.9	+03:22:39	600	105	2.0	#88 Mass Funct	2	
0100.MF7028	900	9:42	13:53:41.9	+03:22:39	600	105	2.0	#88 Mass Funct	2	

UT Date 2003-05-01 Observers M CalkinsColl. Focus 825 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0101.COMP	35	9:57	13:53:41.9	+03:22:39	600	105	2.0	#88 Mass Funct	2	
0102.MF7074	450	10:02	13:58:42.2	+13:27:22	600	-60	2.0	#88 Mass Funct	2	
0103.MF7074	450	10:09	13:58:42.2	+13:27:22	600	-60	2.0	#88 Mass Funct	2	
0104.COMP	35	10:18	13:58:42.2	+13:27:22	600	-60	2.0	#88 Mass Funct	2	
0105.COMP	35	10:21	13:18:28.5	+31:46:37	600	-25	2.0	#88 Mass Funct	2	
0106.MF4071	900	10:23	13:18:28.5	+31:46:37	600	-25	2.0	#88 Mass Funct	2	
0107.MF4071	900	10:38	13:18:28.5	+31:46:37	600	-25	2.0	#88 Mass Funct	2	
0108.MF4071	900	10:53	13:18:28.5	+31:46:37	600	-25	2.0	#88 Mass Funct	2	
0109.COMP	35	11:08	13:18:28.5	+31:46:37	600	-25	2.0	#88 Mass Funct	2	
0110.MF6014	450	11:12	14:40:42.8	+03:27:53	600	15	2.0	#88 Mass Funct	2	
0111.MF6014	450	11:20	14:40:42.8	+03:27:53	600	15	2.0	#88 Mass Funct	2	
0112.MF6014	450	11:27	14:40:42.8	+03:27:53	600	15	2.0	#88 Mass Funct	2	
0113.COMP	35	11:35	14:40:42.8	+03:27:53	600	15	2.0	#88 Mass Funct	2	
0114.BDp404032	180	11:40	20:06:40	41:06:15	600	65	2.0	#56 Spectropho	2	
0115.COMP	35	11:44	20:06:40	41:06:15	600	65	2.0	#56 Spectropho	2	
0116-0120.sky	3	12:37	20:06:40	41:06:15	600	90	2.0	#57 Velocity S	2	
0121.COMP	35	12:38	20:06:40	41:06:15	600	90	2.0	#57 Velocity S	2	
0122-0131.BIAS	0	12:41	20:06:40	41:06:15	600	90	2.0	#88 Velocity S	2	
0132-0141.FLAT	35	12:48	20:06:40	41:06:15	600	90	2.0	#88 Velocity S	2	
0142-0151.BIAS	0	12:51	20:06:40	41:06:15	600	90	2.0	#88 Velocity S	2	

UT Date 2003-05-01 ObseM CalkinsColl. Focus 825 Grating/Grism 600

<i>File</i>	<i>ExpT Timert</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>
0152-0161.FLAT	359	20:06:40	41:06:15	600	90	2.0	#88 Velocity S	2	
0162-0171.DARK	9019	20:06:40	41:06:15	600	90	2.0	#88 Velocity S	2	