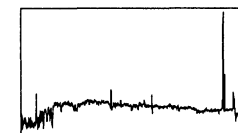


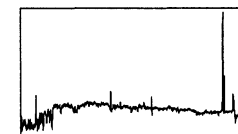
UT Date 2003-03-02 Observers M CalkinsColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	21:59	01:27:33.8	+31:29:30	300	90	3.0	#68 2MASS Reds	4	
0002.DARK	900	22:14	01:42:45.2	+31:29:31	300	90	3.0	#68 2MASS Reds	4	
0003.DARK	900	22:29	01:57:53.3	+31:29:32	300	90	3.0	#68 2MASS Reds	4	
0004.DARK	900	22:44	02:13:01.3	+31:29:33	300	90	3.0	#68 2MASS Reds	4	
0005.DARK	900	23:00	02:28:12.7	+31:29:35	300	90	3.0	#68 2MASS Reds	4	
0006.DARK	900	23:15	02:43:20.7	+31:29:37	300	90	3.0	#68 2MASS Reds	4	
0007.DARK	900	23:30	02:58:28.7	+31:29:39	300	90	3.0	#68 2MASS Reds	4	
0008.DARK	900	23:45	03:13:40.2	+31:29:41	300	90	3.0	#68 2MASS Reds	4	
0009.DARK	900	0:00	03:28:48.0	+31:29:44	300	90	3.0	#68 2MASS Reds	4	
0010.DARK	900	0:15	03:43:55.9	+31:29:47	300	90	3.0	#68 2MASS Reds	4	
0011-0020.BIAS	0	1:32	04:46:31.5	+31:30:00	300	90	3.0	#68 2MASS Reds	4	
0021-0025.FLAT	6	1:34	04:48:33.1	+31:30:00	300	90	3.0	#68 2MASS Reds	4	
0026-0030.FLAT	6	1:36	04:49:40.0	+31:30:01	300	90	3.0	#68 2MASS Reds	4	
0031-0040.BIAS	0	1:38	04:52:15.1	+31:30:01	300	90	3.0	#68 2MASS Reds	2	
0041-0050.FLAT	12	1:43	04:56:59.0	+31:30:02	300	90	3.0	#68 2MASS Reds	2	

UT Date 2003-03-03 Observers Westover/CalkinsColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:31	02:03:26.5	+31:29:33	300	90	3.0	#68 2MASS Reds	4	
0002.DARK	900	22:46	02:18:37.9	+31:29:34	300	90	3.0	#68 2MASS Reds	4	
0003.DARK	900	23:01	02:33:45.9	+31:29:36	300	90	3.0	#68 2MASS Reds	4	
0004.DARK	900	23:16	02:48:53.9	+31:29:38	300	90	3.0	#68 2MASS Reds	4	
0005.DARK	900	23:31	03:04:05.2	+31:29:40	300	90	3.0	#68 2MASS Reds	4	
0006.DARK	900	23:46	03:19:13.0	+31:29:42	300	90	3.0	#68 2MASS Reds	4	
0007.DARK	900	0:02	03:34:21.0	+31:29:45	300	90	3.0	#68 2MASS Reds	4	
0008.DARK	900	0:17	03:49:32.4	+31:29:48	300	90	3.0	#68 2MASS Reds	4	
0009.DARK	900	0:32	04:04:40.2	+31:29:51	300	90	3.0	#68 2MASS Reds	4	
0010.DARK	900	0:47	04:19:48.0	+31:29:54	300	90	3.0	#68 2MASS Reds	4	
0011-0020.BIAS	0	2:01	05:19:15.6	+31:30:08	300	90	3.0	#68 2MASS Reds	4	
0021-0029.FLAT	6	2:23	05:40:44.7	+31:30:13	300	90	3.0	#68 2MASS Reds	4	
0030.FLAT	6	2:23	05:40:57.5	+31:30:14	300	90	3.0	#68 2MASS Reds	4	
0031-0040.BIAS	0	2:26	05:43:40.4	+31:30:14	300	90	3.0	#68 2MASS Reds	2	
0041.FLAT	12	2:26	05:44:43.0	+31:30:14	300	90	3.0	#68 2MASS Reds	2	fog at sunset
0042-0050.FLAT	12	2:30	05:48:25.3	+31:30:15	300	90	3.0	#68 2MASS Reds	2	
0051.Feige34	210	7:51	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0052.Feige34	210	7:55	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0053.COMP	5	7:59	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0054.Feige34	180	8:01	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	

files through file 88 are at tilt pos = 601; not 610

UT Date 2003-03-03 Observers Westover/CalkinsColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0055.Feige34	180	8:04	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0056.COMP	12	8:08	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0057.Feige34	180	8:14	10:36:41.2	43:21:50	300	-43	3.0	#56 Spectropho	2	
0058.Feige34	180	8:17	10:36:41.2	43:21:50	300	-43	3.0	#56 Spectropho	2	
0059.COMP	12	8:21	10:36:41.2	43:21:50	300	-43	3.0	#56 Spectropho	2	
0060.sn2003W	1200	8:39	09:46:49.5	16:02:37	300	55	3.0	#2 SN Observat	2	
0061.COMP	12	9:00	09:46:49.5	16:02:37	300	55	3.0	#2 SN Observat	2	
0062.MRK110	600	9:05	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0063.COMP	12	9:16	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0064.N3227	150	9:22	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0065.N3227	150	9:25	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0066.COMP	12	9:27	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0067.MRK421	300	9:31	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0068.MRK421	300	9:36	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0069.MRK421	300	9:41	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0070.COMP	12	9:46	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0071.N4051	150	9:50	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0072.N4051	150	9:53	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0073.N4051	150	9:56	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0074.COMP	12	9:59	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	

UT Date 2003-03-03 Observers Westover/CalkinsColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0075.sn2003an	1200	10:08	13:27:53.5	+28:30:29	300	-14	3.0	#2 SN Observat	2	where is SN???
0076.COMP	12	10:30	13:27:53.5	+28:30:29	300	-14	3.0	#2 SN Observat	2	
0077.N4151	30	10:43	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0078.N4151	30	10:44	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0079.COMP	12	10:45	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0080.M87	120	10:48	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0081.COMP	12	10:51	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0082.MRK279	120	10:55	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0083.MRK279	120	10:57	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0084.COMP	12	11:00	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0085.N5548	150	11:03	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0086.N5548	150	11:06	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0087.N5548	150	11:09	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0088.COMP	12	11:12	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0089.hs1240	480	11:25	12:22:27.4	17:29:57	600	90	2.0	#122 Halo Star	4	600 L, 2 arcsec, tilt=430
0090.COMP	10	11:34	12:22:27.4	17:29:57	600	90	2.0	#122 Halo Star	4	
0091.hs1241	720	11:38	12:27:51.1	17:19:46	600	90	2.0	#122 Halo Star	4	
0092.COMP	10	11:50	12:27:51.1	17:19:46	600	90	2.0	#122 Halo Star	4	
0093.hs1242	900	11:58	13:25:30.5	38:17:56	600	90	2.0	#122 Halo Star	4	
0094.COMP	10	12:13	13:25:30.5	38:17:56	600	90	2.0	#122 Halo Star	4	



UT Date 2003-03-03 Observers Westover/Calkins

Coll. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0095.hs1243	420	12:16	13:25:46.7	40:08:27	600	90	2.0	#122 Halo Star	4	
0096.COMP	10	12:24	13:25:46.7	40:08:27	600	90	2.0	#122 Halo Star	4	
0097.BDp332642	180	12:29	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0098.COMP	10	12:33	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0099-0108.FLAT	40	12:42	15:50:03	33:05:49	600	90	2.0	#6 AGN Monitor	4	
0109.YYHer	20	12:52	18:14:34	20:59:19	300	90	2.0	#12 Symbiotic	2	combo setup
0110.YYHer	200	12:52	18:14:34	20:59:19	300	90	2.0	#12 Symbiotic	2	↓ -
0111.YYHer	15	12:56	18:14:34	20:59:19	300	90	2.0	#12 Symbiotic	2	
0112.COMP	12	12:57	18:14:34	20:59:19	300	90	2.0	#12 Symbiotic	2	
0113.BDp332642	90	12:59	15:50:03	33:05:49	300	90	2.0	#56 Spectropho	2	
0114.COMP	12	13:01	15:50:03	33:05:49	300	90	2.0	#56 Spectropho	2	
0115-0120.sky	2	13:33	15:50:03	33:05:49	300	90	2.0	#57 Velocity S	4	
0121.COMP	5	13:34	15:50:03	33:05:49	300	90	2.0	#57 Velocity S	4	
0122-0131.BIAS	0	13:36	15:50:03	33:05:49	300	90	2.0	#57 Velocity S	4	
0132-0141.FLAT	6	13:39	15:50:03	33:05:49	300	90	2.0	#57 Velocity S	4	
0142-0151.BIAS	0	13:42	15:50:03	33:05:49	300	90	2.0	#57 Velocity S	2	
0152-0161.FLAT	12	13:46	15:50:03	33:05:49	300	90	2.0	#57 Velocity S	2	
0162-0171.DARK	900	16:04	15:50:03	33:05:49	300	90	2.0	#57 Velocity S	2	

file bin  
 109 read  
 2 ways - with  
 2" slit here &  
 3" slit here -  
 didn't make note of that

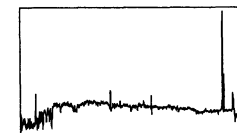
from file 109 onward has 2" slit in header  
 as aperture instead of 3" - think  
 3" is correct but Mike has not answered  
 query by 3/7/03  
 at 3" date in archive. 3/12/03

UT Date 2003-03-04 Observers WestoverColl. Focus 800 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	1:53	15:50:03	33:05:49	300	90	3.0	none	4	
0011-0020.BIAS	0	2:10	15:50:03	33:05:49	300	90	3.0	none	4	
0021-0030.FLAT	6	2:13	15:50:03	33:05:49	300	90	3.0	none	4	
0031-0040.BIAS	0	2:17	15:50:03	33:05:49	300	90	3.0	none	2	
0041-0050.FLAT	12	2:26	15:50:03	33:05:49	300	90	3.0	none	2	
0051.DARK	900	2:27	15:50:03	33:05:49	300	90	3.0	none	2	still cloudy
0052-0060.DARK	900	4:44	15:50:03	33:05:49	300	90	3.0	-	2	

UT Date 2003-03-05 Observers WestoverColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:59	02:39:18.2	+31:29:37	300	90	3.0	-	4	
0002.DARK	900	23:14	02:54:26.5	+31:29:39	300	90	3.0	-	4	
0003.DARK	900	23:29	03:09:34.8	+31:29:41	300	90	3.0	-	4	
0004.DARK	900	23:44	03:24:43.2	+31:29:43	300	90	3.0	-	4	
0005.DARK	900	23:59	03:39:55.1	+31:29:46	300	90	3.0	-	4	
0006.DARK	900	0:14	03:55:03.5	+31:29:49	300	90	3.0	-	4	
0007.DARK	900	0:29	04:10:11.8	+31:29:52	300	90	3.0	-	4	
0008.DARK	900	0:45	04:25:20.2	+31:29:55	300	90	3.0	-	4	
0009.DARK	900	1:00	04:40:32.1	+31:29:59	300	90	3.0	-	4	
0010.DARK	900	1:15	04:55:40.6	+31:30:02	300	90	3.0	-	4	
0011-0018.BIAS	0	1:31	04:56:52.5	+31:30:02	300	90	3.0	-	4	
0019-0020.BIAS	0	1:31	04:57:09.0	+31:30:03	300	90	3.0	-	4	
0021-0030.FLAT	6	1:34	04:59:36.2	+31:30:03	300	90	3.0	-	4	
0031-0040.BIAS	0	1:42	05:07:27.5	+31:30:05	300	90	3.0	-	2	
0041-0043.FLAT	12	1:43	05:09:04.0	+31:30:05	300	90	3.0	-	2	
0044-0050.FLAT	12	1:46	05:12:00.4	+31:30:06	300	90	3.0	-	2	
0051.DARK	900	1:53	05:33:31.1	+31:30:12	300	90	3.0	-	2	cloudy, high humidity
0052.DARK	900	2:08	05:48:44.0	+31:30:16	300	90	3.0	-	2	
0053.DARK	900	2:23	06:04:00.3	+31:30:20	300	90	3.0	-	2	
0054.DARK	900	2:38	06:19:13.3	+31:30:24	300	90	3.0	-	2	

UT Date 2003-03-05 Observers WestoverColl. Focus 800 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>
0055.DARK	900	2:53	06:34:29.7	+31:30:28	300	90	3.0	-	2	
0056.DARK	900	3:09	06:49:46.1	+31:30:32	300	90	3.0	-	2	
0057.DARK	900	3:24	07:04:59.1	+31:30:36	300	90	3.0	-	2	
0058.DARK	900	3:39	07:20:15.5	+31:30:40	300	90	3.0	-	2	
0059.DARK	900	3:54	07:35:28.6	+31:30:44	300	90	3.0	-	2	
0060.DARK	900	4:09	07:50:45.0	+31:30:48	300	90	3.0	-	2	

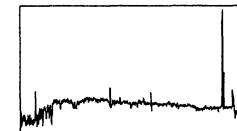




CUMPS ALL BAD

WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



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DATA NOT REDUCED !

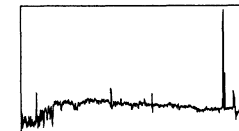
UT Date 2003-03-06 Observers Westover

Coll. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:29	02:13:07.7	+31:29:34	300	90	3.0	-	4	
0002.DARK	900	22:44	02:28:16.0	+31:29:36	300	90	3.0	-	4	
0003.DARK	900	22:59	02:43:24.3	+31:29:37	300	90	3.0	-	4	
0004.DARK	900	23:14	02:58:32.6	+31:29:39	300	90	3.0	-	4	
0005.DARK	900	23:29	03:13:44.4	+31:29:42	300	90	3.0	-	4	
0006.DARK	900	23:44	03:28:52.7	+31:29:44	300	90	3.0	-	4	
0007.DARK	900	23:59	03:44:01.1	+31:29:47	300	90	3.0	-	4	
0008.DARK	900	0:15	03:59:09.2	+31:29:50	300	90	3.0	-	4	
0009.DARK	900	0:30	04:14:21.0	+31:29:53	300	90	3.0	-	4	
0010.DARK	900	0:45	04:29:29.5	+31:29:56	300	90	3.0	-	4	
0011-0017.BIAS	0	1:05	04:35:10.3	+31:29:57	300	90	3.0	-	4	
0018-0020.BIAS	0	1:06	04:35:35.0	+31:29:58	300	90	3.0	-	4	
0021.FLAT	6	1:10	04:39:39.4	+31:29:58	300	90	3.0	-	4	
0022-0030.FLAT	6	1:12	04:41:41.1	+31:29:59	300	90	3.0	-	4	
0031-0033.BIAS	0	1:14	04:43:59.6	+31:29:59	300	90	3.0	-	2	
0034-0040.BIAS	0	1:16	04:45:28.4	+31:30:00	300	90	3.0	-	2	
0041.FLAT	12	1:23	04:52:36.9	+31:30:01	300	90	3.0	-	2	
0042-0050.FLAT	12	1:26	04:56:23.7	+31:30:02	300	90	3.0	-	2	
0051.DARK	900	1:31	05:15:27.6	+31:30:07	300	90	3.0	-	2	humidity still high
0052.DARK	900	1:46	05:30:40.4	+31:30:11	300	90	3.0	-	2	

UT Date 2003-03-06 Observers WestoverColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0053.DARK	900	2:01	05:45:56.7	+31:30:15	300	90	3.0	-	2	
0054.DARK	900	2:16	06:01:09.5	+31:30:19	300	90	3.0	-	2	
0055.DARK	900	2:31	06:16:26.0	+31:30:23	300	90	3.0	-	2	
0056.DARK	900	2:47	06:31:42.3	+31:30:27	300	90	3.0	-	2	
0057.DARK	900	3:02	06:46:55.0	+31:30:31	300	90	3.0	-	2	
0058.DARK	900	3:17	07:02:11.5	+31:30:35	300	90	3.0	-	2	
0059.DARK	900	3:32	07:17:24.4	+31:30:39	300	90	3.0	-	2	
0060.DARK	900	3:47	07:32:40.9	+31:30:44	300	90	3.0	-	2	
0061.BDp332642	90	12:35	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	4	clear skies
0062.BDp332642	90	12:37	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	4	
0063.COMP	5	12:38	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	4	
0064.YYHer	20	12:41	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0065.YYHer	200	12:41	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0066.COMP	5	12:45	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0067.N5548	150	12:52	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0068.N5548	150	12:54	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	sky brightness coming up fast
0069.COMP	5	12:57	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0070-0075.sky	2	13:31	16:33:12	31:31:31	300	90	3.0	-	4	
0076.COMP	5	13:32	16:33:12	31:31:31	300	90	3.0	-	4	
0077-0086.BIAS	0	13:37	16:33:12	31:31:31	300	90	3.0	-	4	

UT Date 2003-03-06 Observers WestoverColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087-0096.FLAT	6	13:39	16:33:12	31:31:31	300	90	3.0	-	4	
0097-0106.BIAS	0	13:42	16:33:12	31:31:31	300	90	3.0	-	2	
0107-0116.FLAT	12	13:46	16:33:12	31:31:31	300	90	3.0	-	2	

UT Date 2003-03-07 Observers P BerlindColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	1:20	04:53:01.5	+31:30:02	300	90	3.0	-	4	messed up again
0002.COMP	5	1:21	04:54:45.7	+31:30:02	300	90	3.0	-	4	ok
0003.COMP	5	1:22	04:55:44.2	+31:30:02	300	90	3.0	-	4	
0004.COMP	5	1:23	04:56:30.2	+31:30:02	300	90	3.0	-	4	
0005-0014.BIAS	0	1:25	04:58:36.5	+31:30:03	300	90	3.0	-	4	
0015-0020.FLAT	8	1:27	05:00:38.8	+31:30:03	300	90	3.0	-	4	
0021-0024.FLAT	8	1:29	05:02:02.4	+31:30:04	300	90	3.0	-	4	
0025-0034.BIAS	0	1:31	05:04:13.1	+31:30:04	300	90	3.0	-	2	
0035.FLAT	16	1:31	05:04:51.0	+31:30:04	300	90	3.0	-	2	
0036-0038.FLAT	16	1:33	05:06:21.5	+31:30:05	300	90	3.0	-	2	
0039-0044.FLAT	16	1:37	5:07:00	32:00:00	300	90	3.0	-	2	
0045.sky	3	1:38	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	clear skies
0046-0049.sky	3	1:39	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0050.COMP	5	1:39	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0051.fastfoc	5	2:19	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0052.fastfoc	5	2:20	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0053.fastfoc	5	2:20	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0054.fastfoc	5	2:20	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0055.fastfoc	5	2:20	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0056.fastfoc	5	2:21	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	

UT Date 2003-03-07 Observers P BerlindColl. Focus 800 Grating/Grism 300

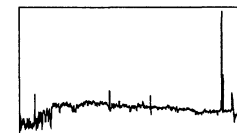
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.fastfoc	5	2:21	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0058.fastfoc	5	2:21	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0059.fastfoc	5	2:21	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0060.fastfoc	5	2:22	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0061.fastfoc	5	2:22	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0062.fastfoc	5	2:22	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0063.COMP	5	2:25	5:07:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0064.NGC1700	240	2:28	04:56:58.1	-04:52:23	300	0	3.0	#57 Velocity S	4	
0065.COMP	5	2:32	04:56:58.1	-04:52:23	300	0	3.0	#57 Velocity S	4	
0066.Akn120	360	2:35	05:13:38.0	-00:12:15	300	20	3.0	#6 AGN Monitor	4	
0067.COMP	5	2:41	05:13:38.0	-00:12:15	300	20	3.0	#6 AGN Monitor	4	
0068.vso-19155	600	2:42	05:20:52.4	-04:00:29	300	20	3.0	#112 Orion PMS	4	
0069.COMP	5	2:52	05:20:52.4	-04:00:29	300	20	3.0	#112 Orion PMS	4	
0070.vso-12470	600	2:53	05:21:06.1	-06:05:59	300	20	3.0	#112 Orion PMS	4	
0071.COMP	5	3:03	05:21:06.1	-06:05:59	300	20	3.0	#112 Orion PMS	4	
0072.vso-19313	600	3:04	05:21:07.7	-04:13:41	300	20	3.0	#112 Orion PMS	4	
0073.COMP	5	3:15	05:21:07.7	-04:13:41	300	20	3.0	#112 Orion PMS	4	
0074.Hiltner600	120	3:17	06:42:37.2	02:11:25	300	2	3.0	#56 Spectropho	2	
0075.Hiltner600	120	3:19	06:42:37.2	02:11:25	300	2	3.0	#56 Spectropho	2	
0076.COMP	10	3:21	06:42:37.2	02:11:25	300	2	3.0	#56 Spectropho	2	

UT Date 2003-03-07 Observers P BerlindColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0077.vso-19951	900	3:23	05:22:19.2	-04:09:41	300	35	3.0	#112 Orion PMS	4	
0078.COMP	5	3:38	05:22:19.2	-04:09:41	300	35	3.0	#112 Orion PMS	4	
0079.vso-20259	540	3:39	05:22:54.6	-04:14:00	300	35	3.0	#112 Orion PMS	4	
0080.COMP	5	3:48	05:22:54.6	-04:14:00	300	35	3.0	#112 Orion PMS	4	
0081.vso-14248	540	3:49	05:24:52.2	-06:00:55	300	35	3.0	#112 Orion PMS	4	
0082.COMP	5	3:59	05:24:52.2	-06:00:55	300	35	3.0	#112 Orion PMS	4	
0083.vso-18293	600	4:00	05:33:23.7	-06:09:33	300	35	3.0	#112 Orion PMS	4	
0084.COMP	5	4:10	05:33:23.7	-06:09:33	300	35	3.0	#112 Orion PMS	4	
0085.vso-18321	720	4:12	05:33:30.2	-06:04:09	300	35	3.0	#112 Orion PMS	4	
0086.COMP	5	4:24	05:33:30.2	-06:04:09	300	35	3.0	#112 Orion PMS	4	
0087.sn2003bm	120	4:27	08:07:22.8	+40:23:44	300	0	3.0	#2 SN Observat	2	
0088.sn2003bm	1200	4:30	08:07:22.8	+40:23:44	300	0	3.0	#2 SN Observat	2	
0089.COMP	10	4:50	08:07:22.8	+40:23:44	300	0	3.0	#2 SN Observat	2	
0090.BGGem	1200	4:56	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0091.BGGem	360	5:17	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0092.COMP	10	5:24	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0093.cairnsk2_145	600	5:26	7:15:27	53:15:43	300	90	3.0	#64f Cluster I	4	
0094.COMP	5	5:36	7:15:27	53:15:43	300	90	3.0	#64f Cluster I	4	
0095.cairnsk2_146	900	5:38	7:13:53.1	53:14:22	300	90	3.0	#64f Cluster I	4	
0096.COMP	5	5:53	7:13:53.1	53:14:22	300	90	3.0	#64f Cluster I	4	

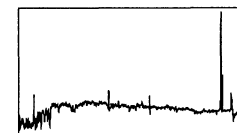
UT Date 2003-03-07 Observers P BerlindColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0097.cairnsk2_147	1200	5:54	7:36:27.4	56:32:58	300	90	3.0	#64f Cluster I	4	
0098.COMP	5	6:15	7:36:27.4	56:32:58	300	90	3.0	#64f Cluster I	4	
0099.sn2003W	1200	6:19	09:46:49.5	16:02:37	300	10	3.0	#2 SN Observat	2	
0100.COMP	10	6:40	09:46:49.5	16:02:37	300	10	3.0	#2 SN Observat	2	
0101.MRK110	600	6:42	09:25:12.9	+52:17:10	300	10	3.0	#6 AGN Monitor	4	
0102.COMP	5	6:52	09:25:12.9	+52:17:10	300	10	3.0	#6 AGN Monitor	4	
0103.N3227	180	6:53	10:23:30.6	+19:51:54	300	10	3.0	#6 AGN Monitor	4	
0104.N3227	180	6:57	10:23:30.6	+19:51:54	300	10	3.0	#6 AGN Monitor	4	
0105.COMP	5	7:00	10:23:30.6	+19:51:54	300	10	3.0	#6 AGN Monitor	4	
0106.MRK421	420	7:01	11:04:27.4	+38:12:32	300	10	3.0	#133 MRK421 an	4	
0107.MRK421	420	7:08	11:04:27.4	+38:12:32	300	10	3.0	#133 MRK421 an	4	
0108.COMP	5	7:16	11:04:27.4	+38:12:32	300	10	3.0	#133 MRK421 an	4	
0109.N4051	150	7:18	12:03:09.7	+44:31:53	300	50	3.0	#6 AGN Monitor	4	
0110.N4051	150	7:21	12:03:09.7	+44:31:53	300	50	3.0	#6 AGN Monitor	4	
0111.COMP	5	7:23	12:03:09.7	+44:31:53	300	50	3.0	#6 AGN Monitor	4	
0112.N4151	40	7:24	12:10:32.6	+39:24:21	300	65	3.0	#6 AGN Monitor	4	
0113.N4151	40	7:25	12:10:32.6	+39:24:21	300	65	3.0	#6 AGN Monitor	4	
0114.COMP	5	7:26	12:10:32.6	+39:24:21	300	65	3.0	#6 AGN Monitor	4	
0115.M87	120	7:28	12:30:49.4	12:23:28	300	65	3.0	#6 AGN Monitor	4	
0116.M87	120	7:30	12:30:49.4	12:23:28	300	65	3.0	#6 AGN Monitor	4	

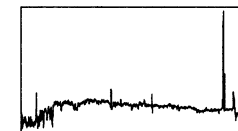
UT Date 2003-03-07 Observers P BerlindColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0117.COMP	5	7:32	12:30:49.4	12:23:28	300	65	3.0	#6 AGN Monitor	4	
0118-0127.FLAT	8	7:35	11:30:00	32:00:00	300	65	3.0	#57 Velocity S	4	
0128-0137.FLAT	16	7:41	11:30:00	32:00:00	300	65	3.0	#57 Velocity S	2	
0138.BIAS	0	7:45	11:30:00	32:00:00	600	65	2.0	#57 Velocity S	4	
0139.COMP	10	7:46	10:36:41.2	43:21:50	600	65	2.0	#122 Halo Star	4	
0140.Feige34	240	7:48	10:36:41.2	43:21:50	600	0	2.0	#122 Halo Star	4	600-line, 2-sec
0141.Feige34	240	7:52	10:36:41.2	43:21:50	600	0	2.0	#122 Halo Star	4	
0142.COMP	10	7:57	10:36:41.2	43:21:50	600	0	2.0	#122 Halo Star	4	
0143.hs1227	900	7:59	11:47:15.6	-1:52:45	600	0	2.0	#122 Halo Star	4	
0144.COMP	10	8:14	11:47:15.6	-1:52:45	600	0	2.0	#122 Halo Star	4	
0145.hs1228	1800	8:15	11:47:19.7	-4:51:22	600	0	2.0	#122 Halo Star	4	
0146.COMP	10	8:46	11:47:19.7	-4:51:22	600	0	2.0	#122 Halo Star	4	
0147.hs1229	1800	8:50	11:47:33.7	-2:28:32	600	20	2.0	#122 Halo Star	4	
0148.COMP	10	9:20	11:47:33.7	-2:28:32	600	20	2.0	#122 Halo Star	4	
0149.hs1230	1800	9:21	11:48:51.5	-2:55:53	600	30	2.0	#122 Halo Star	4	
0150.COMP	10	9:52	11:48:51.5	-2:55:53	600	30	2.0	#122 Halo Star	4	
0151.hs1231	1800	9:53	11:50:38.1	-1:53:53	600	40	2.0	#122 Halo Star	4	
0152.COMP	10	10:24	11:50:38.1	-1:53:53	600	40	2.0	#122 Halo Star	4	
0153.hs1232	900	10:25	11:52:33.1	-1:17:42	600	40	2.0	#122 Halo Star	4	
0154.COMP	10	10:40	11:52:33.1	-1:17:42	600	40	2.0	#122 Halo Star	4	

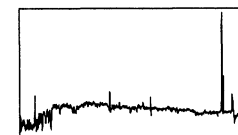


UT Date 2003-03-07 Observers P BerlindColl. Focus 800 Grating/Grism 300

<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>
0155.hs1247	1800	10:42	13:35:24.1	38:36:52	600	-10	2.0	#122 Halo Star	4	
0156.COMP	10	11:13	13:35:24.1	38:36:52	600	-10	2.0	#122 Halo Star	4	
0157.hs1246	1800	11:14	13:30:49.8	38:02:50	600	-10	2.0	#122 Halo Star	4	
0158.COMP	10	11:45	13:30:49.8	38:02:50	600	-10	2.0	#122 Halo Star	4	
0159.hs1250	1800	11:49	13:38:25.2	38:41:57	600	100	2.0	#122 Halo Star	4	
0160.COMP	10	12:20	13:38:25.2	38:41:57	600	100	2.0	#122 Halo Star	4	
0161.BDp332642	120	12:21	15:50:03	33:05:49	600	100	2.0	#122 Halo Star	4	
0162.BDp332642	120	12:23	15:50:03	33:05:49	600	100	2.0	#122 Halo Star	4	
0163.COMP	10	12:26	15:50:03	33:05:49	600	100	2.0	#122 Halo Star	4	
0164-0173.FLAT	40	12:35	15:50:03	33:05:49	600	90	2.0	#57 Velocity S	4	
0174-0183.BIAS	0	12:42	15:50:03	33:05:49	600	90	2.0	#57 Velocity S	4	
0184-0193.DARK	900	15:07	15:50:03	33:05:49	600	90	2.0	#57 Velocity S	4	
0194-0203.DARK	900	17:39	15:50:03	33:05:49	600	90	2.0	#57 Velocity S	2	

UT Date 2003-03-08 Observers P BerlindColl. Focus 800 Grating/Grism 600

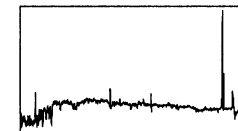
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	21:28	01:19:48.8	+31:29:31	300	90	3.0	#57 Velocity S	4	
0002-0003.DARK	900	21:58	01:50:13.7	+31:29:32	300	90	3.0	#57 Velocity S	4	
0004.DARK	900	22:13	02:05:26.0	+31:29:34	300	90	3.0	#57 Velocity S	4	
0005.DARK	900	22:28	02:20:38.5	+31:29:35	300	90	3.0	#57 Velocity S	4	
0006.DARK	900	22:44	02:35:50.7	+31:29:37	300	90	3.0	#57 Velocity S	4	
0007.DARK	900	22:59	02:51:03.2	+31:29:39	300	90	3.0	#57 Velocity S	4	
0008.DARK	900	23:14	03:06:15.5	+31:29:41	300	90	3.0	#57 Velocity S	4	
0009.DARK	900	23:29	03:21:28.0	+31:29:43	300	90	3.0	#57 Velocity S	4	
0010.DARK	900	23:44	03:36:40.4	+31:29:46	300	90	3.0	#57 Velocity S	4	
0011.DARK	900	23:59	03:51:53.1	+31:29:49	300	90	3.0	#57 Velocity S	2	
0012.DARK	900	0:15	04:07:13.3	+31:29:52	300	90	3.0	#57 Velocity S	2	
0013.DARK	900	0:30	04:22:30.0	+31:29:55	300	90	3.0	#57 Velocity S	2	
0014.DARK	900	0:45	04:37:46.9	+31:29:58	300	90	3.0	#57 Velocity S	2	
0015.DARK	900	1:00	04:53:03.7	+31:30:02	600	90	2.0	#57 Velocity S	2	
0016-0017.BIAS	0	1:31	05:09:02.0	+31:30:05	600	90	2.0	#57 Velocity S	2	
0018-0025.BIAS	0	1:33	05:10:43.4	+31:30:06	600	90	2.0	#57 Velocity S	2	
0026.FLAT	30	1:34	05:11:50.5	+31:30:06	600	90	2.0	#57 Velocity S	2	clouds moving off to east...
0027-0032.FLAT	30	1:39	05:17:01.4	+31:30:07	600	90	2.0	#57 Velocity S	2	
0033-0035.FLAT	30	1:41	05:19:08.2	+31:30:08	600	90	2.0	#57 Velocity S	2	
0036.COMP	10	2:05	6:03:31	27:41:50	600	90	2.0	#12 Symbiotic	2	600-line, 2-sec, red for massfunc em



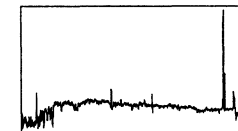
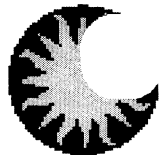
UT Date 2003-03-08 Observers P Berlind

Coll. Focus 800 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0037.Hiltner600	180	2:13	06:42:37.2	02:11:25	600	-23	2.0	#88f Mass Func	2	
0038.Hiltner600	180	2:17	06:42:37.2	02:11:25	600	-23	2.0	#88f Mass Func	2	
0039.COMP	10	2:21	06:42:37.2	02:11:25	600	-23	2.0	#88f Mass Func	2	
0040.COMP	10	2:24	07:17:16.7	+43:08:49	600	-60	2.0	#88f Mass Func	2	
0041.MF2710	600	2:25	07:17:16.7	+43:08:49	600	-60	2.0	#88f Mass Func	2	
0042.MF2710	600	2:35	07:17:16.7	+43:08:49	600	-60	2.0	#88f Mass Func	2	
0043.COMP	10	2:46	07:17:16.7	+43:08:49	600	-60	2.0	#88f Mass Func	2	
0044.COMP	10	2:48	8:5:38.6	+26:10:5	600	5	2.0	#88f Mass Func	2	
0045.MF4013	1200	2:49	8:5:38.6	+26:10:5	600	5	2.0	#88f Mass Func	2	
0046.MF4013	1200	3:12	8:5:38.6	+26:10:5	600	5	2.0	#88f Mass Func	2	
0047.COMP	10	3:34	8:5:38.6	+26:10:5	600	5	2.0	#88f Mass Func	2	
0048.COMP	10	3:36	08:21:27.9	+03:10:9	600	-5	2.0	#88 Mass Funct	2	
0049.MF7098	1200	3:37	08:21:27.9	+03:10:9	600	-5	2.0	#88 Mass Funct	2	
0050.MF7098	1200	3:58	08:21:27.9	+03:10:9	600	-5	2.0	#88 Mass Funct	2	
0051.COMP	10	4:19	08:21:27.9	+03:10:9	600	-5	2.0	#88 Mass Funct	2	
0052.COMP	10	4:20	08:57:01.1	+13:11:56	600	-25	2.0	#88 Mass Funct	2	
0053.MF2959	900	4:23	08:57:01.1	+13:11:56	600	-25	2.0	#88 Mass Funct	2	
0054.MF2959	900	4:39	08:57:01.1	+13:11:56	600	-25	2.0	#88 Mass Funct	2	
0055.COMP	10	4:54	08:57:01.1	+13:11:56	600	-25	2.0	#88 Mass Funct	2	
0056.COMP	10	4:57	09:13:46.2	+62:19:54	600	100	2.0	#88 Mass Funct	2	

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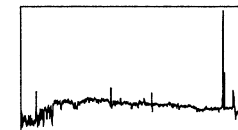
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.MF7061	1200	4:58	09:13:46.2	+62:19:54	600	100	2.0	#88 Mass Funct	2	
0058.MF7061	1200	5:18	09:13:46.2	+62:19:54	600	100	2.0	#88 Mass Funct	2	
0059.COMP	10	5:40	09:13:46.2	+62:19:54	600	100	2.0	#88 Mass Funct	2	
0060.COMP	10	5:42	09:16:49.9	+20:11:53	600	65	2.0	#88 Mass Funct	2	
0061.MF6001	600	5:42	09:16:49.9	+20:11:53	600	65	2.0	#88 Mass Funct	2	
0062.MF6001	600	5:52	09:16:49.9	+20:11:53	600	65	2.0	#88 Mass Funct	2	
0063.COMP	10	6:03	09:16:49.9	+20:11:53	600	65	2.0	#88 Mass Funct	2	
0064.COMP	10	6:08	09:56:12.0	+75:51:55	600	-52	2.0	#88 Mass Funct	2	
0065.MF4024	1200	6:09	09:56:12.0	+75:51:55	600	-52	2.0	#88 Mass Funct	2	
0066.MF4024	1200	6:30	09:56:12.0	+75:51:55	600	-52	2.0	#88 Mass Funct	2	
0067.COMP	10	6:50	09:56:12.0	+75:51:55	600	-52	2.0	#88 Mass Funct	2	
0068.COMP	10	6:55	10:11:34.9	+69:15:29	600	-47	2.0	#88 Mass Funct	2	
0069.MF4034	1200	6:57	10:11:34.9	+69:15:29	600	-47	2.0	#88 Mass Funct	2	
0070.MF4034	1200	7:18	10:11:34.9	+69:15:29	600	-47	2.0	#88 Mass Funct	2	
0071.COMP	10	7:38	10:11:34.9	+69:15:29	600	-47	2.0	#88 Mass Funct	2	
0072.COMP	10	7:40	10:54:36.1	+56:59:26	600	-65	2.0	#88 Mass Funct	2	
0073.MF7050	900	7:40	10:54:36.1	+56:59:26	600	-65	2.0	#88 Mass Funct	2	
0074.MF7050	900	7:56	10:54:36.1	+56:59:26	600	-65	2.0	#88 Mass Funct	2	
0075.COMP	10	8:11	10:54:36.1	+56:59:26	600	-65	2.0	#88 Mass Funct	2	
0076.COMP	10	8:14	10:14:27.6	+77:49:9	600	-5	2.0	#88 Mass Funct	2	

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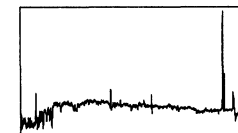
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0077.MF4032	1200	8:14	10:14:27.6	+77:49:9	600	-5	2.0	#88 Mass Funct	2	
0078.MF4032	1200	8:35	10:14:27.6	+77:49:9	600	-5	2.0	#88 Mass Funct	2	
0079.COMP	10	8:55	10:14:27.6	+77:49:9	600	-5	2.0	#88 Mass Funct	2	
0080.COMP	10	8:57	10:22:34.9	+79:49:15	600	25	2.0	#88 Mass Funct	2	
0081.MF7005	600	8:57	10:22:34.9	+79:49:15	600	25	2.0	#88 Mass Funct	2	windy, seeing worse
0082.MF7005	600	9:08	10:22:34.9	+79:49:15	600	25	2.0	#88 Mass Funct	2	
0083.COMP	10	9:19	10:22:34.9	+79:49:15	600	25	2.0	#88 Mass Funct	2	
0084.Feige34	240	9:21	10:36:41.2	43:21:50	600	100	2.0	#88f Mass Func	2	
0085.Feige34	240	9:25	10:36:41.2	43:21:50	600	100	2.0	#88f Mass Func	2	
0086.COMP	10	9:29	10:36:41.2	43:21:50	600	100	2.0	#88f Mass Func	2	
0087.COMP	10	9:31	10:16:08.8	+65:55:1	600	93	2.0	#88 Mass Funct	2	
0088.MF7120	1200	9:32	10:16:08.8	+65:55:1	600	93	2.0	#88 Mass Funct	2	
0089.MF7120	1200	9:53	10:16:08.8	+65:55:1	600	93	2.0	#88 Mass Funct	2	
0090.COMP	10	10:13	10:16:08.8	+65:55:1	600	93	2.0	#88 Mass Funct	2	
0091.MRK421	420	10:14	11:04:27.4	+38:12:32	600	88	2.0	#133 MRK421 an	2	
0092.MRK421	420	10:22	11:04:27.4	+38:12:32	600	88	2.0	#133 MRK421 an	2	
0093.COMP	10	10:29	11:04:27.4	+38:12:32	600	88	2.0	#133 MRK421 an	2	
0094.COMP	10	10:31	11:7:53.6	+66:36:16	600	68	2.0	#88f Mass Func	2	
0095.MF4043	1200	10:32	11:7:53.6	+66:36:16	600	68	2.0	#88f Mass Func	2	
0096.MF4043	1200	10:52	11:7:53.6	+66:36:16	600	68	2.0	#88f Mass Func	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0097.COMP	10	11:13	11:7:53.6	+66:36:16	600	68	2.0	#88f Mass Func	2	
0098.COMP	10	11:18	13:41:39.3	+05:01:58	600	50	2.0	#88 Mass Funct	2	
0099.MF7069	600	11:18	13:41:39.3	+05:01:58	600	50	2.0	#88 Mass Funct	2	
0100.MF7069	600	11:29	13:41:39.3	+05:01:58	600	50	2.0	#88 Mass Funct	2	
0101.COMP	10	11:39	13:41:39.3	+05:01:58	600	50	2.0	#88 Mass Funct	2	
0102.COMP	10	11:41	13:21:18.7	12:12:47	600	70	2.0	#88f Mass Func	2	
0103.MF0038	720	11:42	13:21:18.7	12:12:47	600	70	2.0	#88f Mass Func	2	
0104.MF0038	720	11:54	13:21:18.7	12:12:47	600	70	2.0	#88f Mass Func	2	
0105.COMP	10	12:06	13:21:18.7	12:12:47	600	70	2.0	#88f Mass Func	2	
0106.COMP	10	12:08	13:24:13.6	15:34:07	600	-40	2.0	#88f Mass Func	2	
0107.MF0039	720	12:09	13:24:13.6	15:34:07	600	-40	2.0	#88f Mass Func	2	
0108.MF0039	720	12:21	13:24:13.6	15:34:07	600	-40	2.0	#88f Mass Func	2	
0109.COMP	10	12:34	13:24:13.6	15:34:07	600	-40	2.0	#88f Mass Func	2	
0110.BDp332642	150	12:37	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0111.BDp332642	150	12:40	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0112.COMP	10	12:43	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0113-0122.BIAS	0	12:46	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0123-0132.FLAT	30	12:53	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	1200	21:44	01:45:24.4	+31:29:32	600	90	2.0	#88f Mass Func	2	clouds and smoke to south
0002.DARK	1200	22:05	02:05:43.0	+31:29:34	600	90	2.0	#88f Mass Func	2	
0003.DARK	1200	22:25	02:25:58.0	+31:29:36	600	90	2.0	#88f Mass Func	2	
0004.DARK	1200	22:45	02:46:13.4	+31:29:38	600	90	2.0	#88f Mass Func	2	
0005.DARK	1200	23:05	03:06:28.4	+31:29:41	600	90	2.0	#88f Mass Func	2	
0006.DARK	1200	23:25	03:26:43.6	+31:29:44	600	90	2.0	#88f Mass Func	2	
0007.DARK	1200	23:46	03:46:58.6	+31:29:48	600	90	2.0	#88f Mass Func	2	
0008.DARK	1200	0:06	04:07:13.8	+31:29:52	600	90	2.0	#88f Mass Func	2	
0009.DARK	1200	0:26	04:27:29.1	+31:29:56	600	90	2.0	#88f Mass Func	2	
0010.BIAS	0	0:48	04:29:26.3	+31:29:56	600	90	2.0	#88f Mass Func	2	
0011-0020.BIAS	0	1:33	7:30:00	32:00:00	600	90	2.0	#88f Mass Func	2	
0021.FLAT	55	1:33	7:30:00	32:00:00	600	90	2.0	#88f Mass Func	2	600-line, 2-sec
0022-0030.FLAT	55	1:44	7:30:00	32:00:00	600	90	2.0	#88f Mass Func	2	
0031.HD34559	60	2:04	05:19:16.6	22:05:47	600	90	2.0	#88f Mass Func	2	mass func abs
0032.HD34559	50	2:05	05:19:16.6	22:05:47	600	90	2.0	#88f Mass Func	2	
0033.COMP	20	2:07	05:19:16.6	22:05:47	600	90	2.0	#88f Mass Func	2	
0034.HD27697	40	2:08	04:22:56.1	17:32:33	600	90	2.0	#88f Mass Func	2	
0035.HD27697	40	2:09	04:22:56.1	17:32:33	600	90	2.0	#88f Mass Func	2	
0036.COMP	20	2:10	04:22:56.1	17:32:33	600	90	2.0	#88f Mass Func	2	
0037.HD27382	40	2:11	04:20:21.2	27:21:02	600	90	2.0	#88f Mass Func	2	

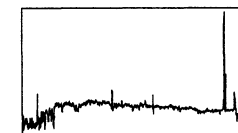
UT Date 2003-03-09 Observers P BerlingColl. Focus 860 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0038.HD27382	40	2:12	04:20:21.2	27:21:02	600	90	2.0	#88f Mass Func	2	
0039.COMP	20	2:13	04:20:21.2	27:21:02	600	90	2.0	#88f Mass Func	2	
0040.HD27348	40	2:14	04:20:24.6	34:34:00	600	90	2.0	#88f Mass Func	2	
0041.HD27348	40	2:15	04:20:24.6	34:34:00	600	90	2.0	#88f Mass Func	2	
0042.COMP	20	2:16	04:20:24.6	34:34:00	600	90	2.0	#88f Mass Func	2	
0043.HD25604	40	2:17	04:04:41.7	22:04:54	600	90	2.0	#88f Mass Func	2	
0044.HD25604	40	2:18	04:04:41.7	22:04:54	600	90	2.0	#88f Mass Func	2	
0045.COMP	20	2:19	04:04:41.7	22:04:54	600	90	2.0	#88f Mass Func	2	
0046.HD27371	30	2:20	04:19:47.6	15:37:39	600	90	2.0	#88f Mass Func	2	
0047.HD27371	30	2:21	04:19:47.6	15:37:39	600	90	2.0	#88f Mass Func	2	
0048.COMP	20	2:22	04:19:47.6	15:37:39	600	90	2.0	#88f Mass Func	2	
0049.NGC1700	330	2:23	04:54:28.1	-04:56:30	600	90	2.0	#88f Mass Func	2	
0050.NGC1700	330	2:30	04:54:28.1	-04:56:30	600	90	2.0	#88f Mass Func	2	
0051.COMP	20	2:36	04:54:28.1	-04:56:30	600	90	2.0	#88f Mass Func	2	
0052.NGC1023	210	2:37	02:37:15.8	38:50:55	600	87	2.0	#88f Mass Func	2	
0053.NGC1023	210	2:41	02:37:15.8	38:50:55	600	87	2.0	#88f Mass Func	2	
0054.COMP	20	2:45	02:37:15.8	38:50:55	600	87	2.0	#88f Mass Func	2	
0055.Hiltner600	180	2:48	06:42:37.2	02:11:25	600	-5	2.0	#88f Mass Func	2	
0056.Hiltner600	180	2:51	06:42:37.2	02:11:25	600	-5	2.0	#88f Mass Func	2	
0057.COMP	20	2:54	06:42:37.2	02:11:25	600	-5	2.0	#88f Mass Func	2	

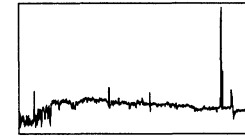
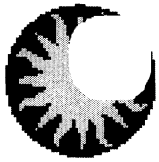


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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.COMP	20	2:56	8:5:38.6	+26:10:5	600	5	2.0	#88f Mass Func	2	
0059.MF4013	600	2:57	8:5:38.6	+26:10:5	600	5	2.0	#88f Mass Func	2	
0060.MF4013	600	3:07	8:5:38.6	+26:10:5	600	5	2.0	#88f Mass Func	2	
0061.COMP	20	3:18	8:5:38.6	+26:10:5	600	5	2.0	#88f Mass Func	2	
0062.COMP	20	3:20	08:21:27.9	+03:10:9	600	-5	2.0	#88 Mass Funct	2	
0063.MF7098	600	3:21	08:21:27.9	+03:10:9	600	-5	2.0	#88 Mass Funct	2	
0064.MF7098	600	3:31	08:21:27.9	+03:10:9	600	-5	2.0	#88 Mass Funct	2	
0065.COMP	20	3:42	08:21:27.9	+03:10:9	600	-5	2.0	#88 Mass Funct	2	
0066.COMP	20	3:43	08:57:01.1	+13:11:56	600	-25	2.0	#88 Mass Funct	2	
0067.MF2959	660	3:45	08:57:01.1	+13:11:56	600	-25	2.0	#88 Mass Funct	2	
0068.MF2959	660	3:56	08:57:01.1	+13:11:56	600	-25	2.0	#88 Mass Funct	2	
0069.COMP	20	4:07	08:57:01.1	+13:11:56	600	-25	2.0	#88 Mass Funct	2	
0070.COMP	20	4:10	09:16:49.9	+20:11:53	600	65	2.0	#88 Mass Funct	2	
0071.MF6001	900	4:11	09:16:49.9	+20:11:53	600	65	2.0	#88 Mass Funct	2	
0072.MF6001	900	4:26	09:16:49.9	+20:11:53	600	65	2.0	#88 Mass Funct	2	
0073.MF6001	900	4:41	09:16:49.9	+20:11:53	600	65	2.0	#88 Mass Funct	2	
0074.COMP	20	4:57	09:16:49.9	+20:11:53	600	65	2.0	#88 Mass Funct	2	
0075.COMP	20	4:59	09:20:02.1	+01:02:18	600	20	2.0	#88 Mass Funct	2	
0076.MF6002	900	5:00	09:20:02.1	+01:02:18	600	20	2.0	#88 Mass Funct	2	
0077.MF6002	900	5:15	09:20:02.1	+01:02:18	600	20	2.0	#88 Mass Funct	2	

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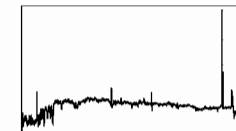
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.MF6002	900	5:30	09:20:02.1	+01:02:18	600	20	2.0	#88 Mass Funct	2	
0079.COMP	20	5:47	09:20:02.1	+01:02:18	600	20	2.0	#88 Mass Funct	2	
0080.COMP	20	5:49	10:48:01.0	+43:11:11	600	10	2.0	#88 Mass Funct	2	
0081.MF7015	660	5:50	10:48:01.0	+43:11:11	600	10	2.0	#88 Mass Funct	2	
0082.MF7015	660	6:01	10:48:01.0	+43:11:11	600	10	2.0	#88 Mass Funct	2	
0083.MF7015	660	6:13	10:48:01.0	+43:11:11	600	10	2.0	#88 Mass Funct	2	
0084.COMP	20	6:24	10:48:01.0	+43:11:11	600	10	2.0	#88 Mass Funct	2	
0085.COMP	20	6:29	09:56:12.0	+75:51:55	600	-52	2.0	#88 Mass Funct	2	
0086.MF4024	900	6:29	09:56:12.0	+75:51:55	600	-52	2.0	#88 Mass Funct	2	
0087.MF4024	900	6:45	09:56:12.0	+75:51:55	600	-52	2.0	#88 Mass Funct	2	
0088.COMP	20	7:00	09:56:12.0	+75:51:55	600	-52	2.0	#88 Mass Funct	2	
0089.Feige34	150	7:02	10:36:41.2	43:21:50	600	0	2.0	#88f Mass Func	2	
0090.Feige34	150	7:05	10:36:41.2	43:21:50	600	0	2.0	#88f Mass Func	2	
0091.COMP	20	7:08	10:36:41.2	43:21:50	600	0	2.0	#88f Mass Func	2	
0092.COMP	20	7:11	10:11:34.9	+69:15:29	600	-47	2.0	#88 Mass Funct	2	
0093.MF4034	900	7:12	10:11:34.9	+69:15:29	600	-47	2.0	#88 Mass Funct	2	
0094.MF4034	900	7:27	10:11:34.9	+69:15:29	600	-47	2.0	#88 Mass Funct	2	
0095.COMP	20	7:43	10:11:34.9	+69:15:29	600	-47	2.0	#88 Mass Funct	2	
0096.COMP	20	7:44	10:54:36.1	+56:59:26	600	-65	2.0	#88 Mass Funct	2	
0097.MF7050	720	7:45	10:54:36.1	+56:59:26	600	-65	2.0	#88 Mass Funct	2	

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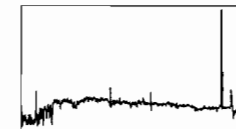
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0098.MF7050	720	7:57	10:54:36.1	+56:59:26	600	-65	2.0	#88 Mass Funct	2	
0099.COMP	20	8:10	10:54:36.1	+56:59:26	600	-65	2.0	#88 Mass Funct	2	
0100.COMP	20	8:13	10:06:10.9	+86:17:42	600	47	2.0	#88 Mass Funct	2	
0101.MF4031	900	8:14	10:06:10.9	+86:17:42	600	47	2.0	#88 Mass Funct	2	
0102.MF4031	900	8:29	10:06:10.9	+86:17:42	600	47	2.0	#88 Mass Funct	2	
0103.MF4031	900	8:44	10:06:10.9	+86:17:42	600	47	2.0	#88 Mass Funct	2	
0104.COMP	20	8:59	10:06:10.9	+86:17:42	600	47	2.0	#88 Mass Funct	2	
0105.COMP	20	9:01	10:14:27.6	+77:49:9	600	-5	2.0	#88 Mass Funct	2	
0106.MF4032	900	9:02	10:14:27.6	+77:49:9	600	-5	2.0	#88 Mass Funct	2	
0107.MF4032	900	9:17	10:14:27.6	+77:49:9	600	-5	2.0	#88 Mass Funct	2	
0108.COMP	20	9:33	10:14:27.6	+77:49:9	600	-5	2.0	#88 Mass Funct	2	
0109.COMP	20	9:36	11:07:53.6	+66:36:16	600	68	2.0	#88 Mass Funct	2	
0110.MF4043	900	9:36	11:07:53.6	+66:36:16	600	68	2.0	#88 Mass Funct	2	
0111.MF4043	900	9:52	11:07:53.6	+66:36:16	600	68	2.0	#88 Mass Funct	2	
0112.COMP	20	10:07	11:07:53.6	+66:36:16	600	68	2.0	#88 Mass Funct	2	
0113.COMP	20	10:09	11:26:44.2	+59:09:19	600	-25	2.0	#88 Mass Funct	2	
0114.MF7087	900	10:10	11:26:44.2	+59:09:19	600	-25	2.0	#88 Mass Funct	2	
0115.MF7087	900	10:25	11:26:44.2	+59:09:19	600	-25	2.0	#88 Mass Funct	2	
0116.MF7087	900	10:40	11:26:44.2	+59:09:19	600	-25	2.0	#88 Mass Funct	2	
0117.COMP	20	10:55	11:26:44.2	+59:09:19	600	-25	2.0	#88 Mass Funct	2	

UT Date 2003-03-09 Observers P BerlindColl. Focus 860 Grating/Grism 600

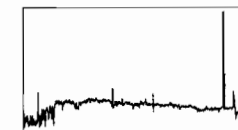
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0118.NGC5846	240	10:58	15:03:56.9	01:47:53	600	90	2.0	#88f Mass Func	2	
0119.NGC5846	240	11:03	15:03:56.9	01:47:53	600	90	2.0	#88f Mass Func	2	
0120.COMP	20	11:07	15:03:56.9	01:47:53	600	90	2.0	#88f Mass Func	2	
0121.COMP	20	11:09	13:00:04.4	+27:59:15	600	40	2.0	#88 Mass Funct	2	
0122.MF7006	900	11:11	13:00:04.4	+27:59:15	600	40	2.0	#88 Mass Funct	2	
0123.MF7006	900	11:26	13:00:04.4	+27:59:15	600	40	2.0	#88 Mass Funct	2	
0124.MF7006	900	11:41	13:00:04.4	+27:59:15	600	40	2.0	#88 Mass Funct	2	
0125.COMP	20	11:57	13:00:04.4	+27:59:15	600	40	2.0	#88 Mass Funct	2	
0126.BDp332642	180	12:00	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0127.BDp332642	180	12:04	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0128.COMP	20	12:07	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0129-0138.BIAS	0	12:12	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0139-0148.FLAT	55	12:23	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	
0149-0158.DARK	900	14:42	15:50:03	33:05:49	600	90	2.0	#88f Mass Func	2	

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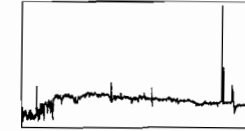
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001.DARK	900	0:09	04:09:43.2	+31:29:52	300	90	3.0	#88f Mass Func	4	
0002.DARK	900	0:24	04:24:50.5	+31:29:56	300	90	3.0	#88f Mass Func	4	
0003.DARK	900	0:40	04:40:01.2	+31:29:59	300	90	3.0	#88f Mass Func	4	
0004.DARK	900	0:55	04:55:08.6	+31:30:02	300	90	3.0	#88f Mass Func	4	
0005.DARK	900	1:10	05:10:19.7	+31:30:06	300	90	3.0	#88f Mass Func	4	
0006.DARK	900	1:25	05:25:26.6	+31:30:10	300	90	3.0	#88f Mass Func	4	
0007.DARK	900	1:40	05:40:37.6	+31:30:13	300	90	3.0	#88f Mass Func	4	
0008-0017.BIAS	0	1:56	05:41:51.8	+31:30:14	300	90	3.0	#88f Mass Func	4	
0018-0025.FLAT	6	1:59	05:44:27.5	+31:30:14	300	90	3.0	#88f Mass Func	4	
0026-0027.FLAT	6	1:59	05:44:53.9	+31:30:15	300	90	3.0	#88f Mass Func	4	
0028-0037.BIAS	0	2:02	05:47:20.8	+31:30:15	300	90	3.0	#88f Mass Func	2	
0038-0039.FLAT	12	2:03	05:48:21.9	+31:30:15	300	90	3.0	#88f Mass Func	2	
0040-0047.FLAT	12	2:06	05:51:41.7	+31:30:16	300	90	3.0	#88f Mass Func	2	
0048.Hiltner600	60	2:25	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0049.Hiltner600	60	2:26	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0050.COMP	5	2:28	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0051.Hiltner600	60	2:30	06:42:37.2	02:11:25	300	-13	3.0	#56 Spectropho	2	
0052.Hiltner600	60	2:31	06:42:37.2	02:11:25	300	-13	3.0	#56 Spectropho	2	
0053.COMP	12	2:33	06:42:37.2	02:11:25	300	-13	3.0	#56 Spectropho	2	
0054.HD52071	2	2:37	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0055.COMP	12	2:37	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0056.Akn120	300	2:40	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0057.COMP	12	2:46	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0058.MoonBright	1	3:08	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	300L, 3arcsec, tilt=811
0059.MoonBright	1	3:08	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0060.MoonBright	1	3:08	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0061.COMP	12	3:09	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0062.MoonBright	0	3:10	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0063.MoonBright	0	3:10	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0064.MoonBright	0	3:10	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0065.COMP	5	3:11	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0066.MoonBright	0	3:11	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0067.MoonBright	0	3:12	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0068.MoonBright	0	3:12	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0069.COMP	5	3:13	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0070.MoonTerminator	0	3:14	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0071.MoonTerminator	0	3:14	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0072.MoonTerminator	0	3:15	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0073.COMP	5	3:15	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0074.MoonTerminator	0	3:17	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0075.MoonTerminator	0	3:17	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0076.MoonTerminator	0	3:17	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0077.COMP	5	3:18	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0078.MoonDark	0	3:21	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	Difficult to align with
0079.MoonDark	0	3:22	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	dark side and sky...
0080.MoonDark	0	3:22	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0081.COMP	5	3:22	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0082.MoonDark	1	3:23	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0083.MoonDark	1	3:24	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0084.MoonDark	1	3:24	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0085.COMP	5	3:24	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0086.MoonDark	1	3:25	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0087.MoonDark	1	3:26	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0088.MoonDark	1	3:26	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0089.COMP	5	3:27	4:21:46	21:41:30	300	90	3.0	#130 FAST spec	2	
0090.Hiltner600	60	3:30	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	row=53
0091.Hiltner600	60	3:32	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0092.COMP	5	3:33	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0093.Hiltner600	60	3:34	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	row=104
0094.Hiltner600	60	3:35	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0095.COMP	5	3:36	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0096-0105.FLAT	20	3:43	06:42:37.2	02:11:25	300	90	3.0	#130 FAST spec	2	
0106.Hiltner600	60	3:49	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	normal combo setup
0107.Hiltner600	60	3:50	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0108.COMP	5	3:52	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0109.Hiltner600	60	3:53	06:42:37.2	02:11:25	300	21	3.0	#56 Spectropho	2	
0110.Hiltner600	60	3:54	06:42:37.2	02:11:25	300	21	3.0	#56 Spectropho	2	
0111.COMP	12	3:56	06:42:37.2	02:11:25	300	21	3.0	#56 Spectropho	2	
0112.vso-21630	1200	4:00	05:25:18.5	-04:24:58	300	90	3.0	#112 Orion PMS	2	
0113.COMP	12	4:21	05:25:18.5	-04:24:58	300	90	3.0	#112 Orion PMS	2	
0114.vso-21692	1020	4:23	05:25:25.7	-04:26:49	300	90	3.0	#112 Orion PMS	2	
0115.COMP	12	4:41	05:25:25.7	-04:26:49	300	90	3.0	#112 Orion PMS	2	
0116.vso-14617	1200	4:43	05:25:36.1	-06:11:31	300	90	3.0	#112 Orion PMS	2	
0117.COMP	12	5:03	05:25:36.1	-06:11:31	300	90	3.0	#112 Orion PMS	2	
0118.vso-21813	1200	5:07	05:25:39.8	-04:11:02	300	90	3.0	#112 Orion PMS	2	
0119.COMP	12	5:28	05:25:39.8	-04:11:02	300	90	3.0	#112 Orion PMS	2	
0120.snn2596	1200	5:34	08:27:27.8	+17:17:14	300	37	3.0	#2 SN Observat	2	row=71
0121.COMP	12	5:54	08:27:27.8	+17:17:14	300	37	3.0	#2 SN Observat	2	
0122.sn2003ae	1200	5:58	09:28:22.5	+27:26:40	300	37	3.0	#2 SN Observat	2	
0123.COMP	12	6:19	09:28:22.5	+27:26:40	300	37	3.0	#2 SN Observat	2	



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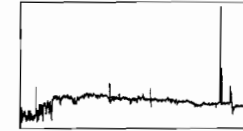
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0124.sn2003W	1200	6:21	09:46:49.4	+16:02:37	300	15	3.0	#2 SN Observat	2	
0125.COMP	12	6:42	09:46:49.4	+16:02:37	300	15	3.0	#2 SN Observat	2	
0126.MRK421	360	6:45	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0127.MRK421	360	6:51	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0128.COMP	12	6:57	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0129.f219	1200	6:59	12:05:45.5	+31:03:31	300	90	3.0	#135 Starburst	2	
0130.COMP	12	7:19	12:05:45.5	+31:03:31	300	90	3.0	#135 Starburst	2	
0131.f219a	240	7:20	12:05:45.5	+31:04:45	300	90	3.0	#135 Starburst	2	
0132.COMP	12	7:25	12:05:45.5	+31:04:45	300	90	3.0	#135 Starburst	2	
0133.f220	1200	7:26	12:07:40.3	+17:18:10	300	90	3.0	#135 Starburst	2	
0134.COMP	12	7:47	12:07:40.3	+17:18:10	300	90	3.0	#135 Starburst	2	
0135.f221	840	7:48	12:15:18.3	+05:45:40	300	90	3.0	#135 Starburst	2	
0136.COMP	12	8:02	12:15:18.3	+05:45:40	300	90	3.0	#135 Starburst	2	
0137.f223	420	8:03	12:19:56.1	+05:20:37	300	90	3.0	#135 Starburst	2	
0138.COMP	12	8:11	12:19:56.1	+05:20:37	300	90	3.0	#135 Starburst	2	
0139.f223a	420	8:12	12:20:03.7	+05:20:28	300	90	3.0	#135 Starburst	2	
0140.COMP	12	8:19	12:20:03.7	+05:20:28	300	90	3.0	#135 Starburst	2	
0141.f225	1200	8:21	12:23:43.8	+12:28:27	300	90	3.0	#135 Starburst	2	
0142.f225	1200	8:41	12:23:43.8	+12:28:27	300	90	3.0	#135 Starburst	2	
0143.COMP	12	9:01	12:23:43.8	+12:28:27	300	90	3.0	#135 Starburst	2	

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File	Exp <sup>-</sup> Timert	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0144.f226	2704	12:25:25.5	+16:28:12	300	20	3.0	#135 Starburst	2	
0145.COMP	129	12:25:25.5	+16:28:12	300	20	3.0	#135 Starburst	2	
0146.f227	7201	12:25:42.8	+00:34:21	300	0	3.0	#135 Starburst	2	
0147.COMP	123	12:25:42.8	+00:34:21	300	0	3.0	#135 Starburst	2	
0148.f228	6006	12:25:46.8	+12:39:44	300	0	3.0	#135 Starburst	2	
0149.COMP	126	12:25:46.8	+12:39:44	300	0	3.0	#135 Starburst	2	
0150.f229	7800	12:25:58.6	+04:28:27	300	90	3.0	#135 Starburst	2	
0151.COMP	123	12:25:58.6	+04:28:27	300	90	3.0	#135 Starburst	2	
0152.f230	12065	12:27:09.0	+05:52:47	300	20	3.0	#135 Starburst	2	
0153.COMP	115	12:27:09.0	+05:52:47	300	20	3.0	#135 Starburst	2	
0154.f231	12020	12:32:00.7	+39:49:58	300	90	3.0	#135 Starburst	2	
0155.COMP	140	12:32:00.7	+39:49:58	300	90	3.0	#135 Starburst	2	
0156.snmcg	9046	14:34:34.9	-27:59:48	300	-10	3.0	#2 SN Observat	2	row=70
0157.snmcg	9001	14:34:34.9	-27:59:48	300	-10	3.0	#2 SN Observat	2	
0158.COMP	116	14:34:34.9	-27:59:48	300	-10	3.0	#2 SN Observat	2	
0159.N4051	1521	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0160.N4051	1523	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0161.N4051	1526	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0162.COMP	129	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0163.N4151	230	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	

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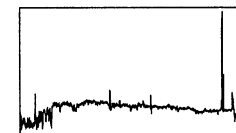
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0164.N4151	30	11:31	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0165.COMP	12	11:32	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0166.MRK279	120	11:34	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0167.MRK279	120	11:36	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0168.COMP	12	11:38	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0169.N5548	150	11:40	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0170.N5548	150	11:43	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0171.N5548	150	11:46	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0172.COMP	12	11:49	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0173.2M16195448m0325281	600	11:50	16:19:54.4	-03:25:28	300	90	3.0	#68 2MASS Reds	2	
0174.COMP	12	12:01	16:19:54.4	-03:25:28	300	90	3.0	#68 2MASS Reds	2	
0175.2M16204239m0954161	660	12:02	16:20:42.3	-09:54:16	300	90	3.0	#68 2MASS Reds	2	
0176.COMP	12	12:13	16:20:42.3	-09:54:16	300	90	3.0	#68 2MASS Reds	2	
0177.2M16334772p1928405	600	12:15	16:33:47.7	+19:28:40	300	90	3.0	#68 2MASS Reds	2	
0178.COMP	12	12:26	16:33:47.7	+19:28:40	300	90	3.0	#68 2MASS Reds	2	
0179.2M17001146m0955480	780	12:27	17:00:11.4	-09:55:48	300	90	3.0	#68 2MASS Reds	2	<i>needs more</i>
0180.COMP	12	12:41	17:00:11.4	-09:55:48	300	90	3.0	#68 2MASS Reds	2	
0181.2M17113737m0520573	720	12:42	17:11:37.3	-05:20:57	300	90	3.0	#68 2MASS Reds	2	
0182.COMP	12	12:54	17:11:37.3	-05:20:57	300	90	3.0	#68 2MASS Reds	2	
0183.YYHer	20	12:56	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	

UT Date 2003-03-10 Observers M CalkinsColl. Focus 800 Grating/Grism 300

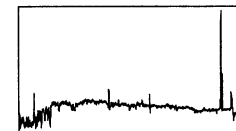
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0184.YYHer	200	12:56	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0185.COMP	12	13:00	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0186-0190.sky	2	13:17	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0191.COMP	5	13:17	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0192-0201.BIAS	0	13:20	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0202-0211.FLAT	6	13:22	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0212-0221.BIAS	0	13:25	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	
0222-0231.FLAT	12	13:29	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	
0232-0241.DARK	900	15:47	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	

UT Date 2003-03-11 Observers M CalkinsColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	1:03	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0011-0020.BIAS	0	1:21	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0021-0030.FLAT	6	1:24	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0031-0040.BIAS	0	1:26	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	
0041-0050.FLAT	12	1:32	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	
0051-0055.sky	2	1:51	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	1:51	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0057.Hiltner600	60	2:04	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0058.Hiltner600	60	2:05	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0059.COMP	5	2:07	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0060.Hiltner600	60	2:07	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0061.Hiltner600	60	2:09	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0062.COMP	12	2:10	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0063.Hiltner600	60	2:13	06:42:37.2	02:11:25	300	-19	3.0	#56 Spectropho	2	
0064.Hiltner600	60	2:14	06:42:37.2	02:11:25	300	-19	3.0	#56 Spectropho	2	
0065.COMP	12	2:16	06:42:37.2	02:11:25	300	-19	3.0	#56 Spectropho	2	
0066.vso-14662	540	2:20	05:25:40.7	-05:52:48	300	15	3.0	#112 Orion PMS	2	row=69
0067.COMP	12	2:30	05:25:40.7	-05:52:48	300	15	3.0	#112 Orion PMS	2	
0068.vso-23396	1200	2:32	05:28:32.1	-04:07:07	300	15	3.0	#112 Orion PMS	2	row=69
0069.COMP	12	2:52	05:28:32.1	-04:07:07	300	15	3.0	#112 Orion PMS	2	

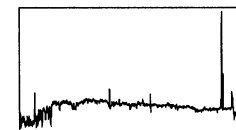
UT Date 2003-03-11 Observers M CalkinsColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.vso-23597	780	2:55	05:28:55.3	-04:20:14	300	30	3.0	#112 Orion PMS	2	row=69
0071.COMP	12	3:08	05:28:55.3	-04:20:14	300	30	3.0	#112 Orion PMS	2	
0072.vso-24414	780	3:11	05:30:42.7	-04:07:42	300	30	3.0	#112 Orion PMS	2	
0073.COMP	12	3:24	05:30:42.7	-04:07:42	300	30	3.0	#112 Orion PMS	2	
0074.vso-26067	900	3:27	05:33:34.4	-04:06:01	300	30	3.0	#112 Orion PMS	2	
0075.COMP	12	3:42	05:33:34.4	-04:06:01	300	30	3.0	#112 Orion PMS	2	
0076.vso-18346	480	3:44	05:33:35.9	-06:06:41	300	35	3.0	#112 Orion PMS	2	
0077.COMP	12	3:53	05:33:35.9	-06:06:41	300	35	3.0	#112 Orion PMS	2	
0078.vso-26114	1020	3:55	05:33:38.1	-04:12:31	300	40	3.0	#112 Orion PMS	2	
0079.COMP	12	4:12	05:33:38.1	-04:12:31	300	40	3.0	#112 Orion PMS	2	
0080.vso-18455	480	4:14	05:33:45.3	-06:04:25	300	40	3.0	#112 Orion PMS	2	
0081.COMP	12	4:23	05:33:45.3	-06:04:25	300	40	3.0	#112 Orion PMS	2	
0082.vso-18587	1020	4:25	05:33:54.5	-06:02:08	300	40	3.0	#112 Orion PMS	2	
0083.COMP	12	4:43	05:33:54.5	-06:02:08	300	40	3.0	#112 Orion PMS	2	
0084.BGGem	300	4:46	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0085.COMP	12	4:51	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0086.BGGem	1200	4:52	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0087.COMP	12	5:12	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0088.sn2003bp	1200	5:16	08:27:27.8	+17:17:14	300	28	3.0	#2 SN Observat	2	row=70
0089.sn2003bp	1200	5:36	08:27:27.8	+17:17:14	300	28	3.0	#2 SN Observat	2	

UT Date 2003-03-11 Observers M CalkinsColl. Focus 800 Grating/Grism 300

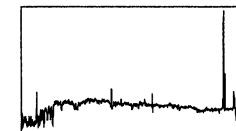
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.COMP	12	5:59	08:27:27.8	+17:17:14	300	28	3.0	#2 SN Observat	2	
0091.snmcg01	1200	6:05	10:55:22.4	-07:39:12	300	-20	3.0	#2 SN Observat	2	
0092.COMP	12	6:26	10:55:22.4	-07:39:12	300	-20	3.0	#2 SN Observat	2	
0093.MRK421	360	6:29	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0094.MRK421	360	6:35	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0095.COMP	12	6:42	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0096.N3227	150	6:44	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0097.N3227	150	6:47	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0098.COMP	12	6:50	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0099.N4051	150	6:51	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0100.N4051	150	6:54	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0101.N4051	150	6:57	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0102.COMP	12	7:00	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0103.M87	45	7:01	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0104.COMP	12	7:03	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0105.M87	180	7:03	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0106.M87	180	7:06	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0107.COMP	12	7:10	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0108.Feige34	150	7:17	10:36:41.2	43:21:50	600	-27	3.0	#70f Elliptica	3	
0109.COMP	25	7:20	10:36:41.2	43:21:50	600	-27	3.0	#70f Elliptica	3	

From file 108 on had cable/readout problems even after Mike started working in binby2 mode only - Only 3 flats available; no DARKS

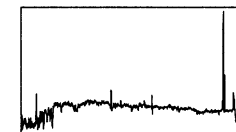
UT Date 2003-03-11 Observers M CalkinsColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0110.COMP	25	7:22	10:36:41.2	43:21:50	600	-27	3.0	#70f Elliptica	3	
0111.COMP	25	7:27	11:18:22.4	+31:31:29	600	-27	3.0	#70f Elliptica	3	
0112.COMP	25	7:30	11:21:01.7	+31:31:30	600	-27	3.0	#70f Elliptica	3	
0113.COMP	25	7:34	11:24:25.1	+31:31:30	600	-27	3.0	#70f Elliptica	3	
0114.BIAS	0	7:39	11:29:29.0	+31:31:30	600	-27	3.0	#70f Elliptica	3	bad files
0115.BIAS	0	7:40	11:30:21.3	+31:31:31	600	-27	3.0	#70f Elliptica	4	
0116.BIAS	0	7:49	11:39:25.1	+31:31:31	600	-27	3.0	#70f Elliptica	3	
0117.BIAS	0	7:49	11:39:50.9	+31:31:31	600	-27	3.0	#70f Elliptica	4	
0118-0119.BIAS	0	8:01	11:51:48.8	+31:31:32	600	90	3.0	#70f Elliptica	2	
0120.f232	1020	8:14	12:33:06.8	+32:05:32	300	90	3.0	#135 Starburst	2	combo setup, row=121 (this is unexplained...)
0121.COMP	12	8:33	12:33:06.8	+32:05:32	300	90	3.0	#135 Starburst	2	
0122.Feige34	120	8:39	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	row=121
0123.COMP	12	8:42	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	} NO GOOD
0124.COMP	12	8:45	12:35:45.8	+31:31:34	300	90	3.0	#56 Spectropho	2	↓
0125.BIAS	0	8:46	12:36:33.5	+31:31:34	300	90	3.0	#56 Spectropho	2	
0126.Feige34	120	8:51	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	row=119
0127.Feige34	120	8:54	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	row=87
0128.COMP	12	8:57	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0129.2M11052812p2500595	720	9:03	11:05:28.1	+25:00:59	300	90	3.0	#68 2MASS Reds	2	
0130.COMP	12	9:15	11:05:28.1	+25:00:59	300	90	3.0	#68 2MASS Reds	2	



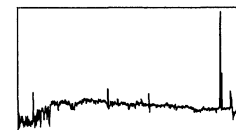
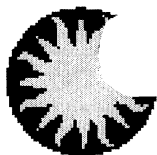
UT Date 2003-03-11 Observers M CalkinsColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0131.2M11061675p2431461	780	9:16	11:06:16.7	+24:31:46	300	90	3.0	#68 2MASS Reds	2	
0132.COMP	12	9:30	11:06:16.7	+24:31:46	300	90	3.0	#68 2MASS Reds	2	
0133.2M11072003m0232482	480	9:31	11:07:20.0	-02:32:48	300	90	3.0	#68 2MASS Reds	2	
0134.COMP	12	9:40	11:07:20.0	-02:32:48	300	90	3.0	#68 2MASS Reds	2	
0135.2M11074189m0310537	540	9:41	11:07:41.8	-03:10:53	300	90	3.0	#68 2MASS Reds	2	
0136.COMP	12	9:50	11:07:41.8	-03:10:53	300	90	3.0	#68 2MASS Reds	2	
0137.2M11074245p2656108	420	9:52	11:07:42.4	+26:56:10	300	90	3.0	#68 2MASS Reds	2	
0138.COMP	12	9:59	11:07:42.4	+26:56:10	300	90	3.0	#68 2MASS Reds	2	
0139.2M11074497p2441438	780	10:00	11:07:44.9	+24:41:43	300	90	3.0	#68 2MASS Reds	2	
0140.COMP	12	10:14	11:07:44.9	+24:41:43	300	90	3.0	#68 2MASS Reds	2	
0141.2M11085890m0434477	540	10:15	11:08:58.9	-04:34:47	300	90	3.0	#68 2MASS Reds	2	row=91
0142.COMP	12	10:26	11:08:58.9	-04:34:47	300	90	3.0	#68 2MASS Reds	2	
0143.2M11093607m0440484	540	10:42	11:09:36.0	-04:40:48	300	90	3.0	#68 2MASS Reds	2	
0144.COMP	12	10:51	11:09:36.0	-04:40:48	300	90	3.0	#68 2MASS Reds	2	
0145.sn2003br	1200	10:55	14:34:34.9	-27:59:48	300	90	3.0	#2 SN Observat	2	
0146.sn2003br	1200	11:15	14:34:34.9	-27:59:48	300	90	3.0	#2 SN Observat	2	row=92
0147.COMP	12	11:35	14:34:34.9	-27:59:48	300	90	3.0	#2 SN Observat	2	
0148.2M13552494p2647385	780	11:38	13:55:24.9	+26:47:38	300	90	3.0	#68 2MASS Reds	2	
0149.COMP	12	11:52	13:55:24.9	+26:47:38	300	90	3.0	#68 2MASS Reds	2	
0150.2M13553370p1445529	480	11:53	13:55:33.7	+14:45:52	300	90	3.0	#68 2MASS Reds	2	

UT Date 2003-03-11 Observers M CalkinsColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0151.COMP	12	12:02	13:55:33.7	+14:45:52	300	90	3.0	#68 2MASS Reds	2	
0152.2M13554510p2512110	420	12:04	13:55:45.1	+25:12:11	300	90	3.0	#68 2MASS Reds	2	
0153.COMP	12	12:11	13:55:45.1	+25:12:11	300	90	3.0	#68 2MASS Reds	2	
0154.2M13555182p1846038	480	12:12	13:55:51.8	+18:46:03	300	90	3.0	#68 2MASS Reds	2	
0155.COMP	12	12:21	13:55:51.8	+18:46:03	300	90	3.0	#68 2MASS Reds	2	
0156.2M13555260p1422427	480	12:22	13:55:52.6	+14:22:42	300	90	3.0	#68 2MASS Reds	2	
0157.COMP	12	12:30	13:55:52.6	+14:22:42	300	90	3.0	#68 2MASS Reds	2	
0158.2M13560548p1946468	360	12:31	13:56:05.4	+19:46:46	300	90	3.0	#68 2MASS Reds	2	
0159.COMP	12	12:38	13:56:05.4	+19:46:46	300	90	3.0	#68 2MASS Reds	2	
0160.2M13562174p0436058	300	12:39	13:56:21.7	+04:36:05	300	90	3.0	#68 2MASS Reds	2	
0161.COMP	12	12:44	13:56:21.7	+04:36:05	300	90	3.0	#68 2MASS Reds	2	
0162.2M13563884p2221372	390	12:46	13:56:38.8	+22:21:37	300	90	3.0	#68 2MASS Reds	2	
0163.COMP	12	12:53	13:56:38.8	+22:21:37	300	90	3.0	#68 2MASS Reds	2	
0164.BDp332642	60	12:54	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0165.COMP	12	12:55	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0166-0175.BIAS	0	13:01	15:50:03	33:05:49	300	90	3.0	#68 2MASS Reds	2	
0176-0185.FLAT	12	13:06	15:50:03	33:05:49	300	90	3.0	#68 2MASS Reds	2	
0186-0195.DARK	900	15:26	15:50:03	33:05:49	300	90	3.0	#68 2MASS Reds	2	NO GOOD

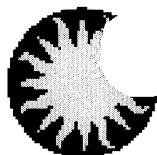
flats 176-178 OK - (that is, they can be read -  
 still have more than usual junk on them)

UT Date 2003-03-12 Observers M CalkinsColl. Focus 800 Grating/Grism 300

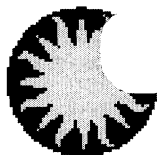
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	23:02	03:10:10.8	+31:29:42	300	90	3.0	#68 2MASS Reds	4	
0002.DARK	900	23:17	03:25:21.7	+31:29:44	300	90	3.0	#68 2MASS Reds	4	
0003.DARK	900	23:32	03:40:29.0	+31:29:47	300	90	3.0	#68 2MASS Reds	4	
0004.DARK	900	23:47	03:55:39.7	+31:29:50	300	90	3.0	#68 2MASS Reds	4	
0005.DARK	900	0:03	04:10:46.6	+31:29:53	300	90	3.0	#68 2MASS Reds	4	
0006.DARK	900	0:18	04:25:57.1	+31:29:56	300	90	3.0	#68 2MASS Reds	4	
0007.DARK	900	0:33	04:41:08.2	+31:29:59	300	90	3.0	#68 2MASS Reds	4	
0008.DARK	900	0:48	04:56:15.3	+31:30:03	300	90	3.0	#68 2MASS Reds	4	
0009.DARK	900	1:03	05:11:26.0	+31:30:06	300	90	3.0	#68 2MASS Reds	4	
0010.DARK	900	1:18	05:26:33.0	+31:30:10	300	90	3.0	#68 2MASS Reds	4	
0011-0014.BIAS	0	1:35	05:28:47.7	+31:30:10	300	90	3.0	#68 2MASS Reds	4	
0015-0020.BIAS	0	1:36	05:29:31.1	+31:30:11	300	90	3.0	#68 2MASS Reds	4	
0021-0030.FLAT	6	1:39	05:32:37.1	+31:30:11	300	90	3.0	#68 2MASS Reds	4	
0031-0040.BIAS	0	1:42	05:35:53.1	+31:30:12	300	90	3.0	#68 2MASS Reds	2	
0041.FLAT	12	1:43	05:36:49.4	+31:30:12	300	90	3.0	#68 2MASS Reds	2	
0042-0050.FLAT	12	1:47	05:40:35.1	+31:30:13	300	90	3.0	#68 2MASS Reds	2	
0051-0055.sky	2	1:55	05:48:18.9	+31:30:15	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	1:55	05:48:41.1	+31:30:16	300	90	3.0	#57 Velocity S	4	
0057.Feige25	240	2:13	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	4	
0058.COMP	5	2:18	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	4	

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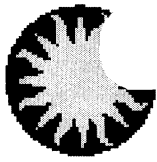
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0059.Feige25	240	2:20	02:36:00	05:15:16	300	55	3.0	#56 Spectropho	2	
0060.COMP	12	2:24	02:36:00	05:15:16	300	55	3.0	#56 Spectropho	2	
0061.vso-18589	1200	3:00	05:33:54.6	-06:04:12	300	25	3.0	#112 Orion PMS	2	
0062.COMP	12	3:21	05:33:54.6	-06:04:12	300	25	3.0	#112 Orion PMS	2	
0063.vso-18945	900	3:23	05:34:01.0	-06:02:26	300	31	3.0	#112 Orion PMS	2	
0064.COMP	12	3:38	05:34:01.0	-06:02:26	300	31	3.0	#112 Orion PMS	2	
0065.vso-19048	540	3:39	05:34:01.5	-05:53:41	300	31	3.0	#112 Orion PMS	2	
0066.COMP	12	3:49	05:34:01.5	-05:53:41	300	31	3.0	#112 Orion PMS	2	
0067.vso-19267	900	3:51	05:34:06.8	-05:50:23	300	38	3.0	#112 Orion PMS	2	
0068.COMP	12	4:12	05:34:06.8	-05:50:23	300	38	3.0	#112 Orion PMS	2	had to restart rtchell prior to comp
0069.vso-19296	1200	4:15	05:34:07.5	-06:04:46	300	38	3.0	#112 Orion PMS	2	
0070.COMP	12	4:35	05:34:07.5	-06:04:46	300	38	3.0	#112 Orion PMS	2	
0071.vso-26414	1200	4:37	05:34:08.0	-04:07:16	300	45	3.0	#112 Orion PMS	2	
0072.COMP	12	4:59	05:34:08.0	-04:07:16	300	45	3.0	#112 Orion PMS	2	
0073.vso-19428	900	5:00	05:34:11.6	-05:55:21	300	45	3.0	#112 Orion PMS	2	
0074.vso-19428	900	5:16	05:34:11.6	-05:55:21	300	45	3.0	#112 Orion PMS	2	
0075.COMP	12	5:31	05:34:11.6	-05:55:21	300	45	3.0	#112 Orion PMS	2	
0076.sn2003bp	1200	5:35	08:27:27.8	+17:17:14	300	48	3.0	#2 SN Observat	2	row=69
0077.sn2003bp	1200	5:55	08:27:27.8	+17:17:14	300	48	3.0	#2 SN Observat	2	
0078.COMP	12	6:16	08:27:27.8	+17:17:14	300	48	3.0	#2 SN Observat	2	

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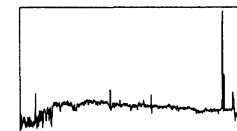
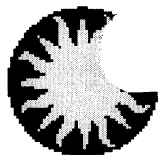
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0079.sn2003W	1200	6:19	09:46:49.4	+16:02:37	300	19	3.0	#2 SN Observat	2	
0080.COMP	12	6:39	09:46:49.4	+16:02:37	300	19	3.0	#2 SN Observat	2	
0081.2M09225621p2241109	720	6:44	09:22:56.2	+22:41:10	300	90	3.0	#68 2MASS Reds	2	
0082.COMP	12	6:58	09:22:56.2	+22:41:10	300	90	3.0	#68 2MASS Reds	2	
0083.2M09230026p2237070	300	7:32	09:23:00.2	+22:37:07	300	90	3.0	#68 2MASS Reds	2	
0084.COMP	12	7:38	09:23:00.2	+22:37:07	300	90	3.0	#68 2MASS Reds	2	
0085.2M09230094p2417386	210	7:40	09:23:00.9	+24:17:38	300	90	3.0	#68 2MASS Reds	2	
0086.COMP	12	7:44	09:23:00.9	+24:17:38	300	90	3.0	#68 2MASS Reds	2	
0087.2M09230733p2241320	210	7:45	09:23:07.3	+22:41:32	300	90	3.0	#68 2MASS Reds	2	
0088.COMP	12	7:49	09:23:07.3	+22:41:32	300	90	3.0	#68 2MASS Reds	2	
0089.2M09231706p2530387	240	7:50	09:23:17.0	+25:30:38	300	90	3.0	#68 2MASS Reds	2	
0090.COMP	12	7:54	09:23:17.0	+25:30:38	300	90	3.0	#68 2MASS Reds	2	
0091.2M09232229p2226113	330	7:55	09:23:22.2	+22:26:11	300	90	3.0	#68 2MASS Reds	2	
0092.COMP	12	8:01	09:23:22.2	+22:26:11	300	90	3.0	#68 2MASS Reds	2	
0093.2M09234249p2220234	1200	8:02	09:23:42.4	+22:20:23	300	90	3.0	#68 2MASS Reds	2	
0094.COMP	12	8:22	09:23:42.4	+22:20:23	300	90	3.0	#68 2MASS Reds	2	
0095.2M09234890p2448533	270	8:23	09:23:48.9	+24:48:53	300	90	3.0	#68 2MASS Reds	2	
0096.COMP	12	8:28	09:23:48.9	+24:48:53	300	90	3.0	#68 2MASS Reds	2	
0097.2M09241330p2440287	390	8:29	09:24:13.3	+24:40:28	300	90	3.0	#68 2MASS Reds	2	
0098.COMP	12	8:36	09:24:13.3	+24:40:28	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0099.2M09242805p2225423	300	8:37	09:24:28.0	+22:25:42	300	90	3.0	#68 2MASS Reds	2	
0100.COMP	12	8:43	09:24:28.0	+22:25:42	300	90	3.0	#68 2MASS Reds	2	
0101.2M09245857p1514264	390	8:44	09:24:58.5	+15:14:26	300	90	3.0	#68 2MASS Reds	2	
0102.COMP	12	8:51	09:24:58.5	+15:14:26	300	90	3.0	#68 2MASS Reds	2	
0103.2M09250716p1501089	540	8:52	09:25:07.1	+15:01:08	300	90	3.0	#68 2MASS Reds	2	
0104.COMP	12	9:01	09:25:07.1	+15:01:08	300	90	3.0	#68 2MASS Reds	2	
0105.2M09252825p2336302	480	9:03	09:25:28.2	+23:36:30	300	90	3.0	#68 2MASS Reds	2	
0106.COMP	12	9:11	09:25:28.2	+23:36:30	300	90	3.0	#68 2MASS Reds	2	
0107.N4051	150	9:13	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0108.N4051	150	9:15	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0109.N4051	150	9:18	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0110.COMP	12	9:21	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0111.N4151	30	9:22	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0112.N4151	30	9:23	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0113.COMP	12	9:24	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0114.MRK279	120	9:26	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0115.MRK279	120	9:28	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0116.COMP	12	9:32	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0117.N5548	150	9:34	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0118.N5548	150	9:36	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	

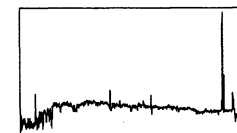
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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0119.N5548	150	9:39	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0120.COMP	12	9:42	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0121.f234	1020	9:46	12:34:39.5	+07:09:37	300	30	3.0	#135 Starburst	2	<i>huge &amp; lots of structure extracted</i>
0122.COMP	12	10:04	12:34:39.5	+07:09:37	300	30	3.0	#135 Starburst	2	<i>whole thing</i>
0123.f235	1200	10:07	12:37:41.1	+27:07:44	300	90	3.0	#135 Starburst	2	
0124.COMP	12	10:28	12:37:41.1	+27:07:44	300	90	3.0	#135 Starburst	2	
0125.MRK421	360	10:29	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0126.MRK421	360	10:35	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0127.COMP	12	10:42	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0128.2M13562174p0436058	480	10:44	13:56:21.7	+04:36:05	300	90	3.0	#68 2MASS Reds	2	repeat from 3/10
0129.COMP	12	10:53	13:56:21.7	+04:36:05	300	90	3.0	#68 2MASS Reds	2	
0130.2M13563884p2221372	420	10:54	13:56:38.8	+22:21:37	300	90	3.0	#68 2MASS Reds	2	repeat from 3/10
0131.COMP	12	11:01	13:56:38.8	+22:21:37	300	90	3.0	#68 2MASS Reds	2	
0132.2M13564914p2554574	420	11:03	13:56:49.1	+25:54:57	300	90	3.0	#68 2MASS Reds	2	
0133.COMP	12	11:10	13:56:49.1	+25:54:57	300	90	3.0	#68 2MASS Reds	2	
0134.2M13573973p2546300	1020	11:13	13:57:39.7	+25:46:30	300	20	3.0	#68 2MASS Reds	2	
0135.COMP	12	11:31	13:57:39.7	+25:46:30	300	20	3.0	#68 2MASS Reds	2	
0136.2M13575258p2305240	780	11:33	13:57:52.5	+23:05:24	300	90	3.0	#68 2MASS Reds	2	
0137.COMP	12	11:46	13:57:52.5	+23:05:24	300	90	3.0	#68 2MASS Reds	2	
0138.2M13584538p2039426	660	11:48	13:58:45.3	+20:39:42	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0139.COMP	12	12:00	13:58:45.3	+20:39:42	300	90	3.0	#68 2MASS Reds	2	
0140.2M13591165p2557348	480	12:01	13:59:11.6	+25:57:34	300	90	3.0	#68 2MASS Reds	2	
0141.COMP	12	12:10	13:59:11.6	+25:57:34	300	90	3.0	#68 2MASS Reds	2	
0142.2M13552425p2517295	1200	12:12	13:55:24.2	+25:17:29	300	90	3.0	#68 2MASS Reds	2	
0143.COMP	12	12:33	13:55:24.2	+25:17:29	300	90	3.0	#68 2MASS Reds	2	
0144.2M13594168p2500460	480	12:34	13:59:41.6	+25:00:46	300	90	3.0	#68 2MASS Reds	2	
0145.COMP	12	12:43	13:59:41.6	+25:00:46	300	90	3.0	#68 2MASS Reds	2	
0146.YYHer	20	12:47	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0147.YYHer	200	12:47	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0148.COMP	12	12:51	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0149.BDp332642	120	12:52	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0150.COMP	12	12:55	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0151.BDp332642	90	12:56	15:50:03	33:05:49	300	93	3.0	#56 Spectropho	2	
0152.COMP	12	12:58	15:50:03	33:05:49	300	93	3.0	#56 Spectropho	2	
0153-0162.BIAS	0	13:03	15:50:03	33:05:49	300	90	3.0	#68 2MASS Reds	2	
0163-0172.FLAT	12	13:11	15:50:03	33:05:49	300	90	3.0	#68 2MASS Reds	2	
0173-0182.BIAS	0	13:13	15:50:03	33:05:49	300	90	3.0	#68 2MASS Reds	4	
0183-0192.FLAT	6	13:16	15:50:03	33:05:49	300	90	3.0	#68 2MASS Reds	4	
0193-0202.DARK	900	15:36	15:50:03	33:05:49	300	90	3.0	#68 2MASS Reds	2	



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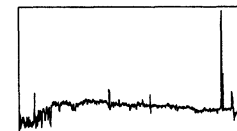
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	0:31	05:15:51.3	+31:30:07	300	90	3.0	#68 2MASS Reds	4	
0011.DARK	900	0:32	05:31:55.1	+31:30:11	300	90	3.0	#68 2MASS Reds	4	
0012.DARK	900	0:47	05:47:05.9	+31:30:15	300	90	3.0	#68 2MASS Reds	4	
0013.DARK	900	1:03	06:02:12.9	+31:30:19	300	90	3.0	#68 2MASS Reds	4	
0014.DARK	900	1:18	06:17:23.9	+31:30:23	300	90	3.0	#68 2MASS Reds	4	
0015.DARK	900	1:33	06:32:31.4	+31:30:27	300	90	3.0	#68 2MASS Reds	4	
0016.COMP	5	1:56	06:41:03.4	+31:30:29	300	90	3.0	#68 2MASS Reds	4	
0017.BIAS	0	2:07	06:52:47.3	+33:57:40	300	90	3.0	#68 2MASS Reds	1	
0018.starinfocus	1	2:09	06:52:47.3	+33:57:40	300	90	3.0	#68 2MASS Reds	1	
0019.starinfocus	1	2:10	06:52:47.3	+33:57:40	300	90	3.0	#68 2MASS Reds	1	
0020.staroutfocus	1	2:12	06:52:47.3	+33:57:40	300	90	3.0	#68 2MASS Reds	1	
0021.starinfocus	1	2:13	06:52:47.3	+33:57:40	300	90	3.0	#68 2MASS Reds	1	
0022.starinsidefocus	1	2:14	06:52:47.3	+33:57:40	300	90	3.0	#68 2MASS Reds	1	
0023.starinsidefocus401	1	2:15	06:52:47.3	+33:57:40	300	90	3.0	#68 2MASS Reds	1	
0024.starinfocus398	1	2:16	06:52:47.3	+33:57:40	300	90	3.0	#68 2MASS Reds	1	
0025.staroutfocus395	1	2:18	06:52:47.3	+33:57:40	300	90	3.0	#68 2MASS Reds	1	
0026.starinfocus401	1	2:20	06:52:47.3	+33:57:40	300	90	3.0	#68 2MASS Reds	1	
0027.starinfocus399	1	2:21	06:52:47.3	+33:57:40	300	90	3.0	#68 2MASS Reds	1	
0028.starinfocus398	1	2:22	06:52:47.3	+33:57:40	300	90	3.0	#68 2MASS Reds	1	
0029.BIAS	0	2:23	4:40:00	33:00:00	300	90	3.0	#68 2MASS Reds	1	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0030.fntstrinsidefoc401	5	2:28	4:40:00	33:00:00	300	90	3.0	#68 2MASS Reds	1	
0031.fntstrinsidefoc400	5	2:29	4:40:00	33:00:00	300	90	3.0	#68 2MASS Reds	1	
0032.fntstrinsidefoc398	5	2:30	4:40:00	33:00:00	300	90	3.0	#68 2MASS Reds	1	
0033.fntstrinfoc396	5	2:31	4:40:00	33:00:00	300	90	3.0	#68 2MASS Reds	1	
0034.fntstroutsidefoc393	5	2:32	4:40:00	33:00:00	300	90	3.0	#68 2MASS Reds	1	
0035.fntstroutsidefoc392	5	2:33	4:40:00	33:00:00	300	90	3.0	#68 2MASS Reds	1	
0036.fntstroutsidefoc390	5	2:33	4:40:00	33:00:00	300	90	3.0	#68 2MASS Reds	1	
0037.fntstrinfoc398	5	2:35	4:40:00	33:00:00	300	90	3.0	#68 2MASS Reds	1	
0038.fntstrinfoc398	5	2:36	4:40:00	33:00:00	300	90	3.0	#68 2MASS Reds	1	
0039.HIP27574	2	2:40	05:50:24.1	+01:46:42	300	90	3.0	#89 Ae/Be Star	1	
0040.strinsidefoc399	10	2:42	05:50:24.1	+01:46:42	300	90	3.0	#89 Ae/Be Star	1	
0041.strinsidefoc398	10	2:43	05:50:24.1	+01:46:42	300	90	3.0	#89 Ae/Be Star	1	
0042.strinsidefoc396	10	2:44	05:50:24.1	+01:46:42	300	90	3.0	#89 Ae/Be Star	1	
0043.strinsidefoc395	10	2:44	05:50:24.1	+01:46:42	300	90	3.0	#89 Ae/Be Star	1	
0044.starinfocus	10	2:46	05:50:24.1	+01:46:42	300	90	3.0	#89 Ae/Be Star	1	
0045-0054.BIAS	0	2:50	7:45:00	32:00:00	300	90	3.0	#89 Ae/Be Star	4	
0055-0064.FLAT	8	2:54	7:45:00	32:00:00	300	90	3.0	#89 Ae/Be Star	4	
0065-0074.BIAS	0	2:56	7:45:00	32:00:00	300	90	3.0	#89 Ae/Be Star	2	
0075-0084.FLAT	16	3:02	7:45:00	32:00:00	300	90	3.0	#89 Ae/Be Star	2	
0085.Hiltner600	120	3:13	06:42:37.2	02:11:25	300	28	3.0	#56 Spectropho	2	

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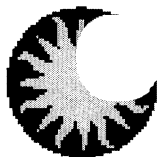
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.COMP	12	3:15	06:42:37.2	02:11:25	300	28	3.0	#56 Spectropho	2	
0087.HD52071	10	3:19	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0088.COMP	12	3:19	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0089.Akn120	300	3:23	05:13:38.0	-00:12:15	300	48	3.0	#6 AGN Monitor	4	
0090.COMP	5	3:28	05:13:38.0	-00:12:15	300	48	3.0	#6 AGN Monitor	4	
0091.sn2003ch	1200	3:35	07:17:57.9	+09:41:34	300	30	3.0	#2 SN Observat	2	
0092.COMP	12	4:03	07:17:57.9	+09:41:34	300	30	3.0	#2 SN Observat	2	
0093.sn2003bv	1200	4:08	07:22:11.9	+40:28:01	300	105	3.0	#2 SN Observat	2	
0094.COMP	12	4:29	07:22:11.9	+40:28:01	300	105	3.0	#2 SN Observat	2	
0095.MRK110	300	4:36	09:25:12.9	+52:17:10	300	5	3.0	#6 AGN Monitor	4	
0096.COMP	5	4:42	09:25:12.9	+52:17:10	300	5	3.0	#6 AGN Monitor	4	
0097.sn2003cg	1200	5:30	10:14:15.9	+03:28:02	300	5	3.0	#2 SN Observat	2	
0098.COMP	12	5:51	10:14:15.9	+03:28:02	300	5	3.0	#2 SN Observat	2	
0099.sn2003ci	1200	6:01	11:10:23.8	+04:49:35	300	-10	3.0	#2 SN Observat	2	
0100.COMP	12	6:22	11:10:23.8	+04:49:35	300	-10	3.0	#2 SN Observat	2	
0101.N3227	150	6:25	10:23:30.6	+19:51:54	300	40	3.0	#6 AGN Monitor	4	
0102.N3227	150	6:28	10:23:30.6	+19:51:54	300	40	3.0	#6 AGN Monitor	4	
0103.COMP	5	6:31	10:23:30.6	+19:51:54	300	40	3.0	#6 AGN Monitor	4	
0104.MRK421	360	6:34	11:04:27.4	+38:12:32	300	-20	3.0	#133 MRK421 an	4	
0105.MRK421	360	6:40	11:04:27.4	+38:12:32	300	-20	3.0	#133 MRK421 an	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0106.COMP	5	6:47	11:04:27.4	+38:12:32	300	-20	3.0	#133 MRK421 an	4	
0107.N4051	150	8:13	12:03:09.7	+44:31:53	300	-45	3.0	#6 AGN Monitor	4	
0108.N4051	150	8:16	12:03:09.7	+44:31:53	300	-45	3.0	#6 AGN Monitor	4	
0109.N4051	150	8:18	12:03:09.7	+44:31:53	300	-45	3.0	#6 AGN Monitor	4	
0110.COMP	5	8:21	12:03:09.7	+44:31:53	300	-45	3.0	#6 AGN Monitor	4	
0111.N4151	30	8:24	12:10:32.6	+39:24:21	300	110	3.0	#6 AGN Monitor	4	} No Comps
0112.N4151	30	8:25	12:10:32.6	+39:24:21	300	110	3.0	#6 AGN Monitor	4	
0113.M87	180	8:28	12:30:49.4	12:23:28	300	25	3.0	#6 AGN Monitor	4	
0114.M87	180	8:31	12:30:49.4	12:23:28	300	25	3.0	#6 AGN Monitor	4	
0115.COMP	5	8:34	12:30:49.4	12:23:28	300	25	3.0	#6 AGN Monitor	4	
0116.MRK279	120	8:39	13:51:53.6	69:33:13	300	10	3.0	#6 AGN Monitor	4	
0117.MRK279	120	8:41	13:51:53.6	69:33:13	300	10	3.0	#6 AGN Monitor	4	
0118.COMP	5	8:44	13:51:53.6	69:33:13	300	10	3.0	#6 AGN Monitor	4	
0119.N5548	150	8:47	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	4	
0120.N5548	150	8:50	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	4	
0121.N5548	150	8:53	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	4	
0122.COMP	5	8:55	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	4	
0123.f236	1200	9:00	12:45:17.0	+27:07:31	300	90	3.0	#135 Starburst	4	
0124.COMP	5	9:20	12:45:17.0	+27:07:31	300	90	3.0	#135 Starburst	4	
0125.f237	1200	9:24	12:45:58.4	+45:11:58	300	90	3.0	#135 Starburst	4	

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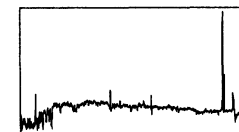
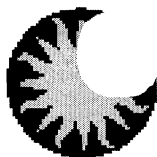
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0126.COMP	5	9:48	12:45:58.4	+45:11:58	300	90	3.0	#135 Starburst	4	
0127.f237a	600	9:50	12:45:59.0	+45:11:35	300	90	3.0	#135 Starburst	4	
0128.COMP	5	10:01	12:45:59.0	+45:11:35	300	90	3.0	#135 Starburst	4	
0129.f237b	600	10:02	12:46:01.7	+45:12:26	300	90	3.0	#135 Starburst	4	
0130.COMP	5	10:12	12:46:01.7	+45:12:26	300	90	3.0	#135 Starburst	4	
0131.f238	1200	10:14	12:46:55.4	+26:33:52	300	90	3.0	#135 Starburst	4	
0132.COMP	5	10:34	12:46:55.4	+26:33:52	300	90	3.0	#135 Starburst	4	
0133.f240	1200	10:36	12:56:05.9	+27:40:43	300	90	3.0	#135 Starburst	4	
0134.COMP	5	10:57	12:56:05.9	+27:40:43	300	90	3.0	#135 Starburst	4	
0135.f239	1200	10:58	12:53:14.6	+04:27:48	300	90	3.0	#135 Starburst	4	
0136.COMP	5	11:19	12:53:14.6	+04:27:48	300	90	3.0	#135 Starburst	4	
0137.f290	1200	11:25	14:47:29.3	+07:10:12	300	90	3.0	#135 Starburst	4	
0138.COMP	5	11:46	14:47:29.3	+07:10:12	300	90	3.0	#135 Starburst	4	
0139.f291	1200	11:47	14:47:28.5	+12:45:54	300	90	3.0	#135 Starburst	4	
0140.COMP	5	12:08	14:47:28.5	+12:45:54	300	90	3.0	#135 Starburst	4	
0141.f292	1200	12:10	14:49:02.4	+21:19:51	300	90	3.0	#135 Starburst	4	
0142.COMP	5	12:28	14:49:02.4	+21:19:51	300	90	3.0	#135 Starburst	4	
0143-0147.DARK	900	13:40	14:49:02.4	+21:19:51	300	90	3.0	#135 Starburst	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:25	14:49:02.4	+21:19:51	300	90	3.0	#2 SN Observat	4	
0011-0020.FLAT	8	23:28	14:49:02.4	+21:19:51	300	90	3.0	#2 SN Observat	4	
0021-0030.BIAS	0	23:30	14:49:02.4	+21:19:51	300	90	3.0	#2 SN Observat	2	
0031-0040.FLAT	16	23:36	14:49:02.4	+21:19:51	300	90	3.0	#2 SN Observat	2	
0041-0045.DARK	900	0:38	14:49:02.4	+21:19:51	300	90	3.0	#2 SN Observat	4	
0046.SKY	15	1:53	14:49:02.4	+21:19:51	0	90	90.0	#57 Velocity S	4	
0047.SKY	20	1:54	14:49:02.4	+21:19:51	0	90	90.0	#57 Velocity S	4	
0048.SKY	25	1:54	14:49:02.4	+21:19:51	0	90	90.0	#57 Velocity S	4	
0049.SKY	30	1:55	14:49:02.4	+21:19:51	0	90	90.0	#57 Velocity S	4	
0050.SKY	35	1:56	14:49:02.4	+21:19:51	0	90	90.0	#57 Velocity S	4	
0051.COMP	5	1:57	14:49:02.4	+21:19:51	300	90	3.0	#57 Velocity S	4	
0052.HD52071	5	2:11	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0053.COMP	5	2:12	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0054.Hiltner600	120	2:16	06:42:37.2	02:11:25	300	8	3.0	#56 Spectropho	2	
0055.COMP	12	2:18	06:42:37.2	02:11:25	300	8	3.0	#56 Spectropho	2	
0056.BGGem	300	2:25	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0057.BGGem	1200	2:32	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0058.COMP	12	2:57	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0059.hd23302	1	3:02	03:44:52.5	+24:06:48	300	90	3.0	#68 2MASS Reds	2	
0060.17tauneb	60	3:03	03:44:52.5	+24:06:28	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0061.COMP	12	3:04	03:44:52.5	+24:06:28	300	90	3.0	#68 2MASS Reds	2	
0062.hd44113	15	3:09	06:19:34.0	-11:03:08	300	90	3.0	#68 2MASS Reds	2	
0063.COMP	12	3:09	06:19:34.0	-11:03:08	300	90	3.0	#68 2MASS Reds	2	
0064.hd44179	5	3:11	06:19:58.2	-10:38:14	300	90	3.0	#68 2MASS Reds	2	
0065.hd44179neb1	60	3:12	06:19:58.5	-10:38:09	300	90	3.0	#68 2MASS Reds	2	
0066.hd44179neb2	120	3:13	06:19:58.8	-10:38:04	300	90	3.0	#68 2MASS Reds	2	
0067.hd44179neb3	240	3:16	06:19:59.1	-10:38:00	300	90	3.0	#68 2MASS Reds	2	
0068.hd44179out2	120	3:21	06:19:59.0	-10:38:20	300	90	3.0	#68 2MASS Reds	2	
0069.hd44179out3b	240	3:23	06:19:56.9	-10:38:08	300	90	3.0	#68 2MASS Reds	2	
0070.hd44179out3	240	3:28	06:19:59.4	-10:38:23	300	90	3.0	#68 2MASS Reds	2	
0071.hd44179	5	3:33	06:19:58.2	-10:38:14	300	90	3.0	#68 2MASS Reds	2	
0072.COMP	12	3:34	06:19:58.2	-10:38:14	300	90	3.0	#68 2MASS Reds	2	
0073.2M05483450p0329323	600	3:38	05:48:34.5	+03:29:32	300	90	3.0	#68 2MASS Reds	4	
0074.COMP	5	3:48	05:48:34.5	+03:29:32	300	90	3.0	#68 2MASS Reds	4	
0075.2M05481660p0638126	600	3:50	05:48:16.6	+06:38:12	300	90	3.0	#68 2MASS Reds	4	
0076.COMP	5	4:01	05:48:16.6	+06:38:12	300	90	3.0	#68 2MASS Reds	4	
0077.2M06084688p3229032	600	4:06	06:08:46.8	+32:29:03	300	90	3.0	#68 2MASS Reds	4	
0078.COMP	5	4:16	06:08:46.8	+32:29:03	300	90	3.0	#68 2MASS Reds	4	
0079.2M09254960p2222093	600	4:21	09:25:49.6	+22:22:09	300	90	3.0	#68 2MASS Reds	4	
0080.COMP	5	4:31	09:25:49.6	+22:22:09	300	90	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0081.2M09255557p2408203	600	4:33	09:25:55.5	+24:08:20	300	90	3.0	#68 2MASS Reds	4	
0082.COMP	5	4:44	09:25:55.5	+24:08:20	300	90	3.0	#68 2MASS Reds	4	
0083.2M09283688p1227315	600	4:45	09:28:36.8	+12:27:31	300	90	3.0	#68 2MASS Reds	4	
0084.COMP	5	4:56	09:28:36.8	+12:27:31	300	90	3.0	#68 2MASS Reds	4	
0085.2M09291860p1210549	600	4:57	09:29:18.6	+12:10:54	300	90	3.0	#68 2MASS Reds	4	
0086.COMP	5	5:08	09:29:18.6	+12:10:54	300	90	3.0	#68 2MASS Reds	4	
0087.2M09292160p1205057	600	5:09	09:29:21.6	+12:05:05	300	90	3.0	#68 2MASS Reds	4	
0088.COMP	5	5:20	09:29:21.6	+12:05:05	300	90	3.0	#68 2MASS Reds	4	
0089.2M09292254p2505090	600	5:21	09:29:22.5	+25:05:09	300	90	3.0	#68 2MASS Reds	4	
0090.COMP	5	5:31	09:29:22.5	+25:05:09	300	90	3.0	#68 2MASS Reds	4	
0091.2M09293765p1443185	600	5:35	09:29:37.6	+14:43:18	300	90	3.0	#68 2MASS Reds	4	
0092.COMP	5	5:47	09:29:37.6	+14:43:18	300	90	3.0	#68 2MASS Reds	4	
0093.2M09300545p1358216	600	5:48	09:30:05.4	+13:58:21	300	90	3.0	#68 2MASS Reds	4	
0094.COMP	5	5:58	09:30:05.4	+13:58:21	300	90	3.0	#68 2MASS Reds	4	
0095.2M09310908p2055012	480	6:00	09:31:09.0	+20:55:01	300	90	3.0	#68 2MASS Reds	4	
0096.COMP	5	6:08	09:31:09.0	+20:55:01	300	90	3.0	#68 2MASS Reds	4	
0097.2M09335100p1525475	480	6:09	09:33:51.0	+15:25:47	300	90	3.0	#68 2MASS Reds	4	
0098.COMP	5	6:18	09:33:51.0	+15:25:47	300	90	3.0	#68 2MASS Reds	4	
0099.2M09340442p1749547	480	6:19	09:34:04.4	+17:49:54	300	90	3.0	#68 2MASS Reds	4	
0100.COMP	5	6:28	09:34:04.4	+17:49:54	300	90	3.0	#68 2MASS Reds	4	

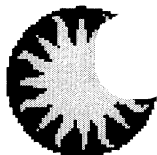


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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0101.2M09350224p2716156	480	6:29	09:35:02.2	+27:16:15	300	90	3.0	#68 2MASS Reds	4	
0102.COMP	5	6:38	09:35:02.2	+27:16:15	300	90	3.0	#68 2MASS Reds	4	
0103.2M09351523p2435146	480	6:39	09:35:15.2	+24:35:14	300	90	3.0	#68 2MASS Reds	4	
0104.COMP	5	6:47	09:35:15.2	+24:35:14	300	90	3.0	#68 2MASS Reds	4	
0105.sn2003cg	1200	6:49	10:14:15.9	+03:28:02	300	30	3.0	#2 SN Observat	2	
0106.COMP	12	7:09	10:14:15.9	+03:28:02	300	30	3.0	#2 SN Observat	2	
0107.sn2003W	1200	7:14	09:46:49.4	+16:02:37	300	60	3.0	#2 SN Observat	2	
0108.COMP	12	7:35	09:46:49.4	+16:02:37	300	60	3.0	#2 SN Observat	2	
0109.f241	600	7:39	12:58:21.2	+04:53:08	300	60	3.0	#135 Starburst	4	
0110.COMP	5	7:49	12:58:21.2	+04:53:08	300	60	3.0	#135 Starburst	4	
0111.f246	1200	7:51	13:01:50.3	+04:20:01	300	105	3.0	#135 Starburst	4	
0112.COMP	5	8:11	13:01:50.3	+04:20:01	300	105	3.0	#135 Starburst	4	
0113.f247	900	8:13	13:15:21.7	+01:18:49	300	25	3.0	#135 Starburst	4	
0114.COMP	5	8:28	13:15:21.7	+01:18:49	300	25	3.0	#135 Starburst	4	
0115.f248	900	8:30	13:15:21.7	+01:55:39	300	90	3.0	#135 Starburst	4	
0116.f248	900	8:45	13:15:21.7	+01:55:39	300	90	3.0	#135 Starburst	4	
0117.COMP	5	9:01	13:15:21.7	+01:55:39	300	90	3.0	#135 Starburst	4	
0118.f251	600	9:04	13:21:23.1	+00:20:32	300	-20	3.0	#135 Starburst	4	
0119.f251	600	9:16	13:21:23.1	+00:20:32	300	-20	3.0	#135 Starburst	4	
0120.COMP	5	9:26	13:21:23.1	+00:20:32	300	-20	3.0	#135 Starburst	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0121.f256	900	9:33	13:41:07.9	+23:16:55	300	-15	3.0	#135 Starburst	4	
0122.COMP	5	9:49	13:41:07.9	+23:16:55	300	-15	3.0	#135 Starburst	4	
0123.f256a	300	9:51	13:41:09.4	+23:16:40	300	80	3.0	#135 Starburst	4	
0124.COMP	5	9:57	13:41:09.4	+23:16:40	300	80	3.0	#135 Starburst	4	
0125.f257	900	10:00	13:43:30.4	+43:27:48	300	73	3.0	#135 Starburst	4	
0126.f257	900	10:15	13:43:30.4	+43:27:48	300	73	3.0	#135 Starburst	4	
0127.COMP	5	10:31	13:43:30.4	+43:27:48	300	73	3.0	#135 Starburst	4	
0128.2M17123320m0535267	420	10:34	17:12:33.2	-05:35:26	300	75	3.0	#68 2MASS Reds	4	
0129.COMP	5	10:42	17:12:33.2	-05:35:26	300	75	3.0	#68 2MASS Reds	4	
0130.2M17125383m0718146	420	10:44	17:12:53.8	-07:18:14	300	40	3.0	#68 2MASS Reds	4	2 REALLY BAD OBSERVATIONS! CULTY NOT 1 GOOD ONE?
0131.2M17125383m0718146	420	10:52	17:12:53.8	-07:18:14	300	40	3.0	#68 2MASS Reds	4	
0132.COMP	5	11:00	17:12:53.8	-07:18:14	300	40	3.0	#68 2MASS Reds	4	
0133.2M17132425m0548433	480	11:02	17:13:24.2	-05:48:43	300	90	3.0	#68 2MASS Reds	4	
0134.COMP	5	11:19	17:13:24.2	-05:48:43	300	90	3.0	#68 2MASS Reds	4	
0135.2M17134314m0604385	480	11:21	17:13:43.1	-06:04:38	300	90	3.0	#68 2MASS Reds	4	
0136.COMP	5	11:29	17:13:43.1	-06:04:38	300	90	3.0	#68 2MASS Reds	4	
0137-0141.DARK	900	12:45	17:13:43.1	-06:04:38	300	90	3.0	#68 2MASS Reds	2	

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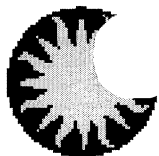
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	1:12	06:19:22.5	+31:30:23	300	90	3.0	#68 2MASS Reds	4	
0002.DARK	900	1:27	06:34:33.2	+31:30:27	300	90	3.0	#68 2MASS Reds	4	
0003.DARK	900	1:42	06:49:44.3	+31:30:31	300	90	3.0	#68 2MASS Reds	4	
0004-0013.BIAS	0	2:01	06:53:56.5	+31:30:32	300	90	3.0	#68 2MASS Reds	4	
0014-0023.FLAT	6	2:06	06:59:17.0	+31:30:33	300	90	3.0	#68 2MASS Reds	4	
0024-0033.BIAS	0	2:10	07:02:10.7	+31:30:34	300	90	3.0	#68 2MASS Reds	2	
0034.FLAT	12	2:10	07:02:58.5	+31:30:34	300	90	3.0	#68 2MASS Reds	2	
0035-0043.FLAT	12	2:14	07:06:44.3	+31:30:35	300	90	3.0	#68 2MASS Reds	2	
0044.Hiltner600	70	2:27	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0045.Hiltner600	70	2:29	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0046.COMP	5	2:30	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0047.Hiltner600	70	2:31	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0048.Hiltner600	70	2:32	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0049.COMP	12	2:34	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0050.Hiltner600	70	2:36	06:42:37.2	02:11:25	300	18	3.0	#56 Spectropho	2	
0051.Hiltner600	70	2:38	06:42:37.2	02:11:25	300	18	3.0	#56 Spectropho	2	
0052.COMP	12	2:40	06:42:37.2	02:11:25	300	18	3.0	#56 Spectropho	2	
0053.HD52071	5	2:42	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0054.HD52071	5	2:43	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0055.COMP	12	2:43	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	

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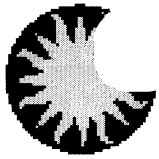
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0056.HD52071	3	2:44	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0057.HD52071	3	2:44	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0058.COMP	12	2:45	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0059.sn2003ch	1200	2:48	07:17:57.9	+09:41:34	300	12	3.0	#2 SN Observat	2	row=74
0060.COMP	12	3:09	07:17:57.9	+09:41:34	300	12	3.0	#2 SN Observat	2	
0061.BGGem	300	3:12	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0062.COMP	12	3:18	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0063.BGGem	1200	3:19	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0064.COMP	12	3:39	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0065.cairnsk2_053	300	3:43	5:12:2.6	8:26:24	300	90	3.0	#64f Cluster I	2	
0066.COMP	12	3:48	5:12:2.6	8:26:24	300	90	3.0	#64f Cluster I	2	
0067.cairnsk2_057	480	3:51	5:17:28.5	4:12:29	300	90	3.0	#64f Cluster I	2	
0068.COMP	12	3:59	5:17:28.5	4:12:29	300	90	3.0	#64f Cluster I	2	
0069.cairnsk2_058	540	4:01	5:17:42.8	5:26:20	300	90	3.0	#64f Cluster I	2	
0070.COMP	12	4:10	5:17:42.8	5:26:20	300	90	3.0	#64f Cluster I	2	
0071.cairnsk2_059	1200	4:11	5:26:17.6	6:21:55	300	90	3.0	#64f Cluster I	2	row=76 NOT U. good
0072.COMP	12	4:32	5:26:17.6	6:21:55	300	90	3.0	#64f Cluster I	2	
0073.cairnsk2_148	1200	4:35	7:16:13.5	58:26:20	300	90	3.0	#64f Cluster I	2	
0074.COMP	12	4:55	7:16:13.5	58:26:20	300	90	3.0	#64f Cluster I	2	
0075.cairnsk2_149	900	4:57	7:17:29.1	53:24:45	300	90	3.0	#64f Cluster I	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.COMP	12	5:12	7:17:29.1	53:24:45	300	90	3.0	#64f Cluster I	2	
0077.cairnsk2_150	600	5:13	7:31:12.6	53:41:52	300	90	3.0	#64f Cluster I	2	
0078.COMP	12	5:24	7:31:12.6	53:41:52	300	90	3.0	#64f Cluster I	2	
0079.cairnsk2_151	1020	5:25	7:40:27.2	55:21:42	300	90	3.0	#64f Cluster I	2	
0080.COMP	12	5:43	7:40:27.2	55:21:42	300	90	3.0	#64f Cluster I	2	
0081.cairnsk2_152	1200	5:44	7:10:31.8	55:9:13	300	90	3.0	#64f Cluster I	2	
0082.COMP	12	6:04	7:10:31.8	55:9:13	300	90	3.0	#64f Cluster I	2	
0083.sn2003cg	1200	6:09	10:14:15.9	+03:28:02	300	20	3.0	#2 SN Observat	2	
0084.COMP	12	6:29	10:14:15.9	+03:28:02	300	20	3.0	#2 SN Observat	2	
0085.COMP	30	6:49	12:39:38	7:57:6	600	-15	3.0	#70f Elliptica	2	600L, 3 arcsec, tilt = 452
0086.vcc1913	1800	6:51	12:39:38	7:57:6	600	-15	3.0	#70f Elliptica	2	
0087.vcc1913	1800	7:21	12:39:38	7:57:6	600	-15	3.0	#70f Elliptica	2	
0088.vcc1913	1800	7:51	12:39:38	7:57:6	600	-15	3.0	#70f Elliptica	2	
0089.COMP	30	8:21	12:39:38	7:57:6	600	-15	3.0	#70f Elliptica	2	
0090.COMP	30	8:27	12:41:9	11:49:30	600	21	3.0	#70f Elliptica	2	
0091.vcc1978	600	8:28	12:41:9	11:49:30	600	21	3.0	#70f Elliptica	2	
0092.vcc1978	600	8:39	12:41:9	11:49:30	600	21	3.0	#70f Elliptica	2	
0093.vcc1978	600	8:49	12:41:9	11:49:30	600	21	3.0	#70f Elliptica	2	
0094.COMP	30	8:59	12:41:9	11:49:30	600	21	3.0	#70f Elliptica	2	
0095.BDp332642	90	9:03	15:50:03	33:05:49	600	95	3.0	#70f Elliptica	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0096.COMP	30	9:05	15:50:03	33:05:49	600	95	3.0	#70f Elliptica	2	
0097-0106.FLAT	30	9:14	15:50:03	33:05:49	600	90	3.0	#70f Elliptica	2	
0107.MRK421	300	9:18	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	combo setup
0108.MRK421	300	9:23	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0109.MRK421	300	9:29	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0110.COMP	12	9:34	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0111.f243	1200	9:41	13:00:02.1	+33:26:13	300	25	3.0	#135 Starburst	2	
0112.COMP	12	10:02	13:00:02.1	+33:26:13	300	25	3.0	#135 Starburst	2	
0113.f244	1200	10:04	13:01:16.6	+48:03:37	300	90	3.0	#135 Starburst	2	
0114.COMP	12	10:27	13:01:16.6	+48:03:37	300	90	3.0	#135 Starburst	2	
0115.f245	900	10:28	13:01:18.3	+48:03:32	300	90	3.0	#135 Starburst	2	
0116.f245	900	10:44	13:01:18.3	+48:03:32	300	90	3.0	#135 Starburst	2	
0117.COMP	12	10:59	13:01:18.3	+48:03:32	300	90	3.0	#135 Starburst	2	
0118.BDp332642	90	11:01	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0119.COMP	12	11:03	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0120-0129.FLAT	12	11:08	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0130.BDp332642	90	11:14	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	11:16	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0132.hs1297	900	11:19	15:08:07.9	58:06:47	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	11:37	15:08:07.9	58:06:47	600	90	2.0	#122 Halo Star	4	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0134.hs1298	900	11:39	15:09:51.4	55:05:31	600	90	2.0	#122 Halo Star	4	
0135.hs1298	900	11:54	15:09:51.4	55:05:31	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	12:10	15:09:51.4	55:05:31	600	90	2.0	#122 Halo Star	4	
0137.hs1299	780	12:11	15:11:07.1	62:32:48	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	12:24	15:11:07.1	62:32:48	600	90	2.0	#122 Halo Star	4	
0139-0148.FLAT	40	12:44	15:11:21.9	53:56:19	600	90	2.0	#122 Halo Star	4	
0149-0158.BIAS	0	12:48	15:11:21.9	53:56:19	600	90	2.0	#122 Halo Star	4	
0159-0168.DARK	900	15:06	15:11:21.9	53:56:19	600	90	2.0	#122 Halo Star	2	

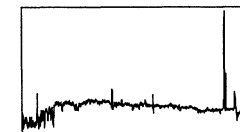
UT Date 2003-03-28 Observers M CalkinsColl. Focus 810 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	23:25	04:36:03.7	+31:29:59	300	90	3.0	#122 Halo Star	4	
0002.DARK	900	23:40	04:51:10.9	+31:30:02	300	90	3.0	#122 Halo Star	4	
0003.DARK	900	23:55	05:06:22.0	+31:30:05	300	90	3.0	#122 Halo Star	4	
0004.DARK	900	0:10	05:21:32.8	+31:30:09	300	90	3.0	#122 Halo Star	4	
0005.DARK	900	0:25	05:36:40.0	+31:30:12	300	90	3.0	#122 Halo Star	4	
0006.DARK	900	0:40	05:51:50.7	+31:30:16	300	90	3.0	#122 Halo Star	4	
0007.DARK	900	0:56	06:06:58.0	+31:30:20	300	90	3.0	#122 Halo Star	4	
0008.DARK	900	1:11	06:22:08.9	+31:30:24	300	90	3.0	#122 Halo Star	4	
0009-0016.BIAS	0	1:40	06:36:01.5	+31:30:27	300	90	3.0	#122 Halo Star	4	
0017-0018.BIAS	0	1:40	06:36:18.5	+31:30:28	300	90	3.0	#122 Halo Star	4	
0019-0026.FLAT	6	1:55	06:51:17.0	+31:30:31	300	90	3.0	#122 Halo Star	4	
0027-0028.FLAT	6	1:55	06:51:43.1	+31:30:32	300	90	3.0	#122 Halo Star	4	
0029-0038.BIAS	0	1:58	06:54:18.4	+31:30:32	300	90	3.0	#122 Halo Star	2	
0039-0040.FLAT	12	1:58	06:55:10.7	+31:30:32	300	90	3.0	#122 Halo Star	2	
0041-0048.FLAT	12	2:02	06:58:25.9	+31:30:33	300	90	3.0	#122 Halo Star	2	
0049-0050.sky	3	2:06	07:02:50.1	+31:30:34	300	90	3.0	#57 Velocity S	4	
0051-0053.sky	3	2:07	07:03:20.3	+31:30:35	300	90	3.0	#57 Velocity S	4	
0054.COMP	5	2:07	07:03:42.0	+31:30:35	300	90	3.0	#57 Velocity S	4	
0055.Hiltner600	80	2:33	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0056.Hiltner600	80	2:34	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	



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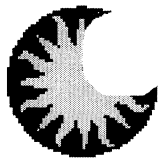
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.COMP	5	2:36	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0058.Hiltner600	80	2:37	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0059.Hiltner600	80	2:39	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0060.COMP	12	2:41	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0061.Hiltner600	80	2:42	06:42:37.2	02:11:25	300	20	3.0	#56 Spectropho	2	
0062.Hiltner600	80	2:44	06:42:37.2	02:11:25	300	20	3.0	#56 Spectropho	2	
0063.COMP	12	2:46	06:42:37.2	02:11:25	300	20	3.0	#56 Spectropho	2	
0064.sn2003ch	1200	2:55	07:17:57.9	+09:41:34	300	0	3.0	#2 SN Observat	2	working through thin cirrus
0065.sn2003ch	1200	3:15	07:17:57.9	+09:41:34	300	0	3.0	#2 SN Observat	2	
0066.COMP	12	3:36	07:17:57.9	+09:41:34	300	0	3.0	#2 SN Observat	2	
0067.cairnsk2_153	1200	3:43	7:10:2	56:23:13	300	90	3.0	#64f Cluster I	2	
0068.COMP	12	4:04	7:10:2	56:23:13	300	90	3.0	#64f Cluster I	2	
0069.cairnsk2_154	1200	4:30	7:22:25.6	54:46:7	300	90	3.0	#64f Cluster I	2	
0070.COMP	12	4:51	7:22:25.6	54:46:7	300	90	3.0	#64f Cluster I	2	
0071.cairnsk2_155	1200	4:53	7:39:10.9	56:51:15	300	90	3.0	#64f Cluster I	2	
0072.COMP	12	5:13	7:39:10.9	56:51:15	300	90	3.0	#64f Cluster I	2	
0073.cairnsk2_156	1200	5:14	7:11:30	57:57:17	300	90	3.0	#64f Cluster I	2	
0074.COMP	12	5:35	7:11:30	57:57:17	300	90	3.0	#64f Cluster I	2	
0075.cairnsk2_157	1200	5:36	7:17:10.5	53:18:32	300	90	3.0	#64f Cluster I	2	
0076.COMP	12	5:57	7:17:10.5	53:18:32	300	90	3.0	#64f Cluster I	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0077.sn2003cg	1200	6:03	10:14:15.9	+03:28:02	300	20	3.0	#2 SN Observat	2	
0078.COMP	12	6:24	10:14:15.9	+03:28:02	300	20	3.0	#2 SN Observat	2	
0079.COMP	25	6:28	10:14:15.9	+03:28:02	600	90	3.0	#2 SN Observat	3	test comp
0080.vcc778	900	6:36	12:22:41	15:2:24	600	-15	3.0	#70f Elliptica	3	600L, 3 arcsec, tilt=700, binby 3
0081.COMP	25	6:51	12:22:41	15:2:24	600	-15	3.0	#70f Elliptica	3	
0082.vcc798	900	6:54	12:22:53	18:28:0	600	-20	3.0	#70f Elliptica	3	
0083.COMP	25	7:09	12:22:53	18:28:0	600	-20	3.0	#70f Elliptica	3	
0084.vcc1619	900	7:11	12:32:59	12:29:48	600	-40	3.0	#70f Elliptica	3	
0085.COMP	25	7:27	12:32:59	12:29:48	600	-40	3.0	#70f Elliptica	3	
0086.NGC4636	900	7:29	12:40:16.8	+02:57:43	600	-28	3.0	#70f Elliptica	3	
0087.COMP	25	7:44	12:40:16.8	+02:57:43	600	-28	3.0	#70f Elliptica	3	
0088.vcc1192	900	7:51	12:26:58	8:16:12	600	-20	3.0	#70f Elliptica	3	
0089.COMP	25	8:06	12:26:58	8:16:12	600	-20	3.0	#70f Elliptica	3	
0090.vcc654	900	8:09	12:21:4	17:0:6	600	20	3.0	#70f Elliptica	3	
0091.COMP	25	8:24	12:21:4	17:0:6	600	20	3.0	#70f Elliptica	3	
0092.Feige34	120	8:28	10:36:41.2	43:21:50	600	95	3.0	#70f Elliptica	3	
0093.COMP	25	8:31	10:36:41.2	43:21:50	600	95	3.0	#70f Elliptica	3	
0094-0103.FLAT	25	8:43	10:36:41.2	43:21:50	600	90	3.0	#70f Elliptica	3	
0104-0113.BIAS	0	8:47	10:36:41.2	43:21:50	600	90	3.0	#70f Elliptica	3	
0114.COMP	25	9:43	12:26:29	14:15:18	600	54	3.0	#70f Elliptica	3	600L, 3 arcsec, tilt=452

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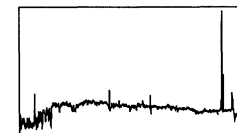
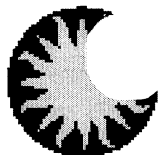
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0115.vcc1154	900	9:44	12:26:29	14:15:18	600	54	3.0	#70f Elliptica	3	
0116.vcc1154	900	9:59	12:26:29	14:15:18	600	54	3.0	#70f Elliptica	3	
0117.vcc1154	900	10:15	12:26:29	14:15:18	600	54	3.0	#70f Elliptica	3	
0118.COMP	25	10:30	12:26:29	14:15:18	600	54	3.0	#70f Elliptica	3	
0119.COMP	25	10:36	12:49:47	11:35:12	600	55	3.0	#70f Elliptica	3	
0120.vcc2092	600	10:38	12:49:47	11:35:12	600	55	3.0	#70f Elliptica	3	
0121.vcc2092	600	10:48	12:49:47	11:35:12	600	55	3.0	#70f Elliptica	3	
0122.vcc2092	600	10:58	12:49:47	11:35:12	600	55	3.0	#70f Elliptica	3	
0123.COMP	25	11:09	12:49:47	11:35:12	600	55	3.0	#70f Elliptica	3	
0124.BDp332642	150	11:12	15:50:03	33:05:49	600	109	3.0	#70f Elliptica	3	
0125.COMP	25	11:15	15:50:03	33:05:49	600	109	3.0	#70f Elliptica	3	
0126-0135.FLAT	25	11:22	15:50:03	33:05:49	600	90	3.0	#70f Elliptica	3	
0136.BDp332642	150	11:34	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	combo setup
0137.COMP	12	11:37	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0138.2M17162159m0625468	1200	11:40	17:16:21.5	-06:25:46	300	90	3.0	#68 2MASS Reds	2	
0139.COMP	12	12:01	17:16:21.5	-06:25:46	300	90	3.0	#68 2MASS Reds	2	
0140.3C390.3	480	12:05	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0141.3C390.3	480	12:13	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0142.COMP	12	12:22	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0143.YYHer	25	12:24	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	

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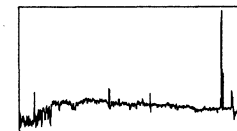
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0144.YYHer	230	12:26	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0145.YYHer	15	12:30	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0146.COMP	12	12:30	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0147-0156.BIAS	0	12:35	18:14:34	20:59:19	300	90	3.0	#6 AGN Monitor	4	
0157-0166.FLAT	6	12:38	18:14:34	20:59:19	300	90	3.0	#6 AGN Monitor	4	
0167-0176.BIAS	0	12:42	18:14:34	20:59:19	300	90	3.0	#6 AGN Monitor	2	
0177-0186.FLAT	12	12:47	18:14:34	20:59:19	300	90	3.0	#6 AGN Monitor	2	
0187-0196.DARK	900	15:08	18:14:34	20:59:19	300	90	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	1:03	18:14:34	20:59:19	300	90	3.0	#6 AGN Monitor	4	
0006-0015.BIAS	0	1:32	18:14:34	20:59:19	300	90	3.0	#6 AGN Monitor	4	
0016-0025.FLAT	6	1:41	18:14:34	20:59:19	300	90	3.0	#6 AGN Monitor	4	
0026-0035.BIAS	0	1:44	18:14:34	20:59:19	300	90	3.0	#6 AGN Monitor	2	
0036-0045.FLAT	12	1:51	18:14:34	20:59:19	300	90	3.0	#6 AGN Monitor	2	
0046-0050.sky	2	2:05	18:14:34	20:59:19	300	90	3.0	#57 Velocity S	4	
0051.COMP	5	2:05	18:14:34	20:59:19	300	90	3.0	#57 Velocity S	4	
0052.Hiltner600	150	2:33	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	terrible seeing!
0053.Hiltner600	150	2:35	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0054.COMP	5	2:38	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0055.Hiltner600	150	2:39	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0056.Hiltner600	150	2:42	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0057.COMP	12	2:45	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0058.Hiltner600	150	2:47	06:42:37.2	02:11:25	300	23	3.0	#56 Spectropho	2	
0059.Hiltner600	150	2:50	06:42:37.2	02:11:25	300	23	3.0	#56 Spectropho	2	
0060.COMP	12	2:53	06:42:37.2	02:11:25	300	23	3.0	#56 Spectropho	2	
0061.BGGem	420	2:56	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0062.COMP	12	3:04	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0063.BGGem	900	3:06	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0064.BGGem	900	3:21	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0065.COMP	12	3:36	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0066.sn2003ch	1200	3:42	07:17:57.9	+09:41:34	300	50	3.0	#2 SN Observat	2	row=68
0067.sn2003ch	1200	4:03	07:17:57.9	+09:41:34	300	50	3.0	#2 SN Observat	2	
0068.COMP	12	4:23	07:17:57.9	+09:41:34	300	50	3.0	#2 SN Observat	2	
0069.2M09594123p1404122	720	4:26	09:59:41.2	+14:04:12	300	90	3.0	#68 2MASS Reds	2	(48in troubles!!!)
0070.COMP	12	4:42	09:59:41.2	+14:04:12	300	90	3.0	#68 2MASS Reds	2	
0071.2M09594683p1129189	1020	4:43	09:59:46.8	+11:29:18	300	90	3.0	#68 2MASS Reds	2	
0072.COMP	12	5:01	09:59:46.8	+11:29:18	300	90	3.0	#68 2MASS Reds	2	
0073.2M09594861p0831218	1200	5:02	09:59:48.6	+08:31:21	300	90	3.0	#68 2MASS Reds	2	
0074.COMP	12	5:23	09:59:48.6	+08:31:21	300	90	3.0	#68 2MASS Reds	2	
0075.2M10005713p0737431	1200	5:26	10:00:57.1	+07:37:43	300	90	3.0	#68 2MASS Reds	2	
0076.COMP	12	5:46	10:00:57.1	+07:37:43	300	90	3.0	#68 2MASS Reds	2	
0077.2M10013428p0655559	480	5:48	10:01:34.2	+06:55:55	300	90	3.0	#68 2MASS Reds	2	
0078.COMP	12	5:56	10:01:34.2	+06:55:55	300	90	3.0	#68 2MASS Reds	2	
0079.2M10014530p1503358	300	5:58	10:01:45.3	+15:03:35	300	90	3.0	#68 2MASS Reds	2	
0080.COMP	12	6:04	10:01:45.3	+15:03:35	300	90	3.0	#68 2MASS Reds	2	
0081.2M10020681p1749229	1200	6:06	10:02:06.8	+17:49:22	300	90	3.0	#68 2MASS Reds	2	
0082.COMP	12	6:26	10:02:06.8	+17:49:22	300	90	3.0	#68 2MASS Reds	2	
0083.2M10030373p1257003	300	6:27	10:03:03.7	+12:57:00	300	90	3.0	#68 2MASS Reds	2	
0084.COMP	12	6:33	10:03:03.7	+12:57:00	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0085.sn2003cg	900	6:35	10:14:15.9	+03:28:02	300	32	3.0	#2 SN Observat	2	
0086.sn2003cg	900	6:51	10:14:15.9	+03:28:02	300	32	3.0	#2 SN Observat	2	
0087.COMP	12	7:06	10:14:15.9	+03:28:02	300	32	3.0	#2 SN Observat	2	
0088.vcc1834	1800	7:16	12:37:50	3:23:30	600	-11	3.0	#70f Elliptica	3	600L, 3 arcsec, tilt=452
0089.vcc1834	1800	7:46	12:37:50	3:23:30	600	-11	3.0	#70f Elliptica	3	
0090.vcc1834	1800	8:16	12:37:50	3:23:30	600	-11	3.0	#70f Elliptica	3	
0091.COMP	25	8:46	12:37:50	3:23:30	600	-11	3.0	#70f Elliptica	3	
0092.COMP	25	8:49	12:34:21	7:31:24	600	32	3.0	#70f Elliptica	3	
0093.vcc1692	900	8:50	12:34:21	7:31:24	600	32	3.0	#70f Elliptica	3	
0094.vcc1692	900	9:05	12:34:21	7:31:24	600	32	3.0	#70f Elliptica	3	
0095.vcc1692	900	9:20	12:34:21	7:31:24	600	32	3.0	#70f Elliptica	3	
0096.COMP	25	9:35	12:34:21	7:31:24	600	32	3.0	#70f Elliptica	3	
0097.BDp332642	150	9:38	15:50:03	33:05:49	600	90	3.0	#70f Elliptica	3	close for winds!
0098.COMP	25	9:41	15:50:03	33:05:49	600	90	3.0	#70f Elliptica	3	
0099-0108.FLAT	25	10:45	15:50:03	33:05:49	600	90	3.0	#70f Elliptica	3	
0109-0118.BIAS	0	10:48	15:50:03	33:05:49	600	90	3.0	#70f Elliptica	3	
0119-0128.DARK	900	14:14	17:16:30.5	-06:14:33	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	0:34	17:16:30.5	-06:14:33	300	90	3.0	#68 2MASS Reds	4	
0011-0020.BIAS	0	1:51	06:55:26.8	+31:30:32	300	90	3.0	#68 2MASS Reds	4	
0021.FLAT	8	1:51	06:55:48.7	+31:30:32	300	90	3.0	#68 2MASS Reds	4	
0022-0030.FLAT	8	1:54	06:58:54.6	+31:30:33	300	90	3.0	#68 2MASS Reds	4	
0031-0035.BIAS	0	1:56	07:00:00.2	+31:30:33	300	90	3.0	#68 2MASS Reds	2	
0036-0040.BIAS	0	1:57	07:01:05.2	+31:30:34	300	90	3.0	#68 2MASS Reds	2	
0041-0044.FLAT	16	1:59	07:03:28.5	+31:30:34	300	90	3.0	#68 2MASS Reds	2	
0045-0050.FLAT	16	2:02	07:06:00.8	+31:30:35	300	90	3.0	#68 2MASS Reds	2	
0051.COMP	5	2:27	6:00:00	32:00:00	300	90	3.0	#68 2MASS Reds	2	
0052.COMP	5	2:31	07:35:31.8	+31:30:43	300	90	3.0	#68 2MASS Reds	4	
0053.COMP	5	2:36	07:41:01.9	+31:30:44	300	90	3.0	#68 2MASS Reds	4	
0054.COMP	5	2:40	07:44:48.0	+31:30:45	300	90	3.0	#68 2MASS Reds	4	
0055.COMP	5	2:42	07:46:32.4	+31:30:45	300	90	3.0	#68 2MASS Reds	4	
0056.COMP	5	2:44	07:48:55.9	+31:30:46	300	90	3.0	#68 2MASS Reds	4	
0057.COMP	5	2:45	07:49:56.3	+31:30:46	300	90	3.0	#68 2MASS Reds	4	
0058.fastfoc	5	2:49	07:54:08.4	+31:30:47	300	90	3.0	#68 2MASS Reds	4	
0059.fastfoc	5	2:50	07:54:25.7	+31:30:47	300	90	3.0	#68 2MASS Reds	4	
0060.fastfoc	5	2:50	07:54:42.6	+31:30:48	300	90	3.0	#68 2MASS Reds	4	
0061.fastfoc	5	2:50	07:54:56.3	+31:30:48	300	90	3.0	#68 2MASS Reds	4	
0062.fastfoc	5	2:51	07:55:13.3	+31:30:48	300	90	3.0	#68 2MASS Reds	4	

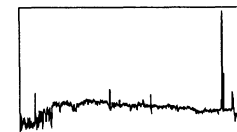


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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0063.fastfoc	5	2:51	07:55:30.4	+31:30:48	300	90	3.0	#68 2MASS Reds	4	
0064.fastfoc	5	2:51	07:55:47.6	+31:30:48	300	90	3.0	#68 2MASS Reds	4	
0065.fastfoc	5	2:51	07:56:01.1	+31:30:48	300	90	3.0	#68 2MASS Reds	4	
0066.fastfoc	5	2:52	07:56:18.5	+31:30:48	300	90	3.0	#68 2MASS Reds	4	
0067.fastfoc	5	2:52	07:56:35.4	+31:30:48	300	90	3.0	#68 2MASS Reds	4	
0068.fastfoc	5	2:52	07:56:49.1	+31:30:48	300	90	3.0	#68 2MASS Reds	4	
0069.fastfoc	5	2:58	08:02:14.0	+31:30:49	300	90	3.0	#68 2MASS Reds	4	
0070.fastfoc	5	2:58	08:02:27.5	+31:30:49	300	90	3.0	#68 2MASS Reds	4	
0071.fastfoc	5	2:58	08:02:44.8	+31:30:50	300	90	3.0	#68 2MASS Reds	4	
0072.fastfoc	5	2:58	08:03:01.9	+31:30:50	300	90	3.0	#68 2MASS Reds	4	
0073.fastfoc	5	2:59	08:03:19.1	+31:30:50	300	90	3.0	#68 2MASS Reds	4	
0074.fastfoc	5	2:59	08:03:32.7	+31:30:50	300	90	3.0	#68 2MASS Reds	4	
0075.fastfoc	5	2:59	08:03:49.8	+31:30:50	300	90	3.0	#68 2MASS Reds	4	
0076.fastfoc	5	2:59	08:04:06.9	+31:30:50	300	90	3.0	#68 2MASS Reds	4	
0077.fastfoc	5	3:00	08:04:20.5	+31:30:50	300	90	3.0	#68 2MASS Reds	4	
0078.fastfoc	5	3:00	08:04:37.8	+31:30:50	300	90	3.0	#68 2MASS Reds	4	
0079.fastfoc	5	3:00	08:04:54.8	+31:30:50	300	90	3.0	#68 2MASS Reds	4	
0080.COMP	5	3:01	08:05:56.0	+31:30:50	300	90	3.0	#68 2MASS Reds	4	
0081.BIAS	0	3:04	08:08:35.7	+31:30:51	300	90	3.0	#68 2MASS Reds	4	after repeated startup problems with FAST
0082-0090.BIAS	0	3:05	08:09:15.5	+31:30:51	300	90	3.0	#68 2MASS Reds	4	

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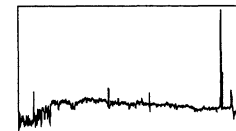
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091.FLAT	8	3:05	08:09:15.5	+31:30:51	300	90	3.0	#68 2MASS Reds	4	focus is now down at 300
0092-0100.FLAT	8	3:08	08:09:15.4	+31:30:51	300	90	3.0	#68 2MASS Reds	4	
0101-0110.FLAT	16	3:13	08:09:15.4	+31:30:51	300	90	3.0	#68 2MASS Reds	2	
0111.BIAS	0	3:15	10:44:50.0	21:31:17	300	90	3.0	#68 2MASS Reds	2	
0112.sn2003ch	1200	3:39	07:17:57.9	+09:41:34	300	45	3.0	#2 SN Observat	2	3-4-5-sec seeing all night long
0113.COMP	10	4:00	07:17:57.9	+09:41:34	300	45	3.0	#2 SN Observat	2	
0114.2M10041928p1730187	900	4:08	10:04:19.2	+17:30:18	300	90	3.0	#68 2MASS Reds	4	
0115.COMP	5	4:24	10:04:19.2	+17:30:18	300	90	3.0	#68 2MASS Reds	4	
0116.GRB030329	1200	4:27	10:44:50.0	21:31:17	300	0	3.0	#126 GRB	2	
0117.COMP	10	4:48	10:44:50.0	21:31:17	300	0	3.0	#126 GRB	2	
0118.GRB030329	1200	4:48	10:44:50.0	21:31:17	300	0	3.0	#126 GRB	2	
0119.COMP	10	5:09	10:44:50.0	21:31:17	300	0	3.0	#126 GRB	2	
0120.sn2003cg	1200	5:10	10:14:15.9	+03:28:02	300	0	3.0	#2 SN Observat	2	
0121.COMP	10	5:30	10:14:15.9	+03:28:02	300	0	3.0	#2 SN Observat	2	
0122.Feige34	360	5:43	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0123.Feige34	360	5:49	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0124.COMP	10	5:56	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0125.2M10042398p1225547	1200	5:57	10:04:23.9	+12:25:54	300	0	3.0	#68 2MASS Reds	4	
0126.COMP	5	6:26	10:04:23.9	+12:25:54	300	0	3.0	#68 2MASS Reds	4	
0127.2M10042949p1446147	1200	6:27	10:04:29.4	+14:46:14	300	0	3.0	#68 2MASS Reds	4	

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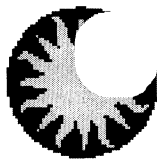
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0128.COMP	5	6:48	10:04:29.4	+14:46:14	300	0	3.0	#68 2MASS Reds	4	
0129.2M10081666p1550442	1200	6:51	10:08:16.6	+15:50:44	300	0	3.0	#68 2MASS Reds	4	
0130.COMP	5	7:11	10:08:16.6	+15:50:44	300	0	3.0	#68 2MASS Reds	4	
0131.2M10084502p1241168	1200	7:12	10:08:45.0	+12:41:16	300	0	3.0	#68 2MASS Reds	4	
0132.COMP	5	7:32	10:08:45.0	+12:41:16	300	0	3.0	#68 2MASS Reds	4	
0133.2M10085731p1138249	1020	7:33	10:08:57.3	+11:38:24	300	0	3.0	#68 2MASS Reds	4	
0134.COMP	5	7:51	10:08:57.3	+11:38:24	300	0	3.0	#68 2MASS Reds	4	
0135.2M10094161p0726360	1200	7:52	10:09:41.6	+07:26:36	300	0	3.0	#68 2MASS Reds	4	
0136.COMP	5	8:14	10:09:41.6	+07:26:36	300	0	3.0	#68 2MASS Reds	4	
0137.N5548	360	9:18	14:17:59.6	+25:08:12	300	0	3.0	#6 AGN Monitor	4	
0138.N5548	360	9:24	14:17:59.6	+25:08:12	300	0	3.0	#6 AGN Monitor	4	
0139.COMP	5	9:31	14:17:59.6	+25:08:12	300	0	3.0	#6 AGN Monitor	4	
0140.2M14001313p0325280	900	9:33	14:00:13.1	+03:25:28	300	90	3.0	#68 2MASS Reds	4	
0141.COMP	5	9:49	14:00:13.1	+03:25:28	300	90	3.0	#68 2MASS Reds	4	
0142.2M14002640p1751333	900	9:50	14:00:26.4	+17:51:33	300	90	3.0	#68 2MASS Reds	4	
0143.COMP	5	10:05	14:00:26.4	+17:51:33	300	90	3.0	#68 2MASS Reds	4	
0144.2M14003187p1218163	900	10:06	14:00:31.8	+12:18:16	300	90	3.0	#68 2MASS Reds	4	
0145.COMP	5	10:22	14:00:31.8	+12:18:16	300	90	3.0	#68 2MASS Reds	4	
0146.2M14003448p2546069	900	10:23	14:00:34.4	+25:46:06	300	90	3.0	#68 2MASS Reds	4	
0147.COMP	5	10:38	14:00:34.4	+25:46:06	300	90	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0148.2M14004243p1455503	900	10:39	14:00:42.4	+14:55:50	300	90	3.0	#68 2MASS Reds	4	
0149.COMP	5	10:54	14:00:42.4	+14:55:50	300	90	3.0	#68 2MASS Reds	4	
0150.2M14014624m0410489	900	10:55	14:01:46.2	-04:10:48	300	90	3.0	#68 2MASS Reds	4	
0151.COMP	5	11:12	14:01:46.2	-04:10:48	300	90	3.0	#68 2MASS Reds	4	
0152.2M14022700p2546096	900	11:19	14:02:27.0	+25:46:09	300	90	3.0	#68 2MASS Reds	4	
0153.COMP	5	11:34	14:02:27.0	+25:46:09	300	90	3.0	#68 2MASS Reds	4	
0154.2M14030448p2446252	900	11:37	14:03:04.4	+24:46:25	300	90	3.0	#68 2MASS Reds	4	
0155.COMP	5	11:52	14:03:04.4	+24:46:25	300	90	3.0	#68 2MASS Reds	4	
0156-0165.BIAS	0	11:55	14:03:04.4	+24:46:25	300	90	3.0	#2 SN Observat	4	
0166-0175.FLAT	8	11:58	14:03:04.4	+24:46:25	300	90	3.0	#2 SN Observat	4	
0176-0185.BIAS	0	12:01	14:03:04.4	+24:46:25	300	90	3.0	#2 SN Observat	2	
0186-0195.FLAT	16	12:06	14:03:04.4	+24:46:25	300	90	3.0	#2 SN Observat	2	
0196-0205.DARK	1200	15:10	14:03:04.4	+24:46:25	300	90	3.0	#2 SN Observat	2	

UT Date 2003-03-31 Observers P BerlindColl. Focus 300 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	22:43	14:03:04.4	+24:46:25	300	90	3.0	#2 SN Observat	4	
0011-0018.DARK	900	0:45	14:03:04.4	+24:46:25	300	90	3.0	#2 SN Observat	2	
0019-0030.BIAS	0	1:17	14:03:04.4	+24:46:25	300	90	3.0	#2 SN Observat	4	
0031.FLAT	8	1:17	14:03:04.4	+24:46:25	300	90	3.0	#2 SN Observat	4	clear skies
0032-0040.FLAT	8	1:20	14:03:04.4	+24:46:25	300	90	3.0	#2 SN Observat	4	
0041-0050.BIAS	0	1:22	14:03:04.4	+24:46:25	300	90	3.0	#2 SN Observat	2	
0051-0060.FLAT	16	1:28	14:03:04.4	+24:46:25	300	90	3.0	#2 SN Observat	2	
0061.COMP	5	1:44	7:00:00	32:00:00	300	90	3.0	#2 SN Observat	4	
0062-0066.sky	3	1:57	7:00:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0067.COMP	5	1:58	7:00:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0068.Hiltner600	90	2:26	06:42:37.2	02:11:25	300	21	3.0	#56 Spectropho	2	
0069.Hiltner600	90	2:28	06:42:37.2	02:11:25	300	21	3.0	#56 Spectropho	2	
0070.COMP	10	2:30	06:42:37.2	02:11:25	300	21	3.0	#56 Spectropho	2	
0071.HD52071	5	2:32	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0072.HD52071	5	2:32	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0073.HD52071	5	2:32	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0074.COMP	5	2:35	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0075.Akn120	360	2:37	05:13:38.0	-00:12:15	300	46	3.0	#6 AGN Monitor	4	
0076.COMP	5	2:44	05:13:38.0	-00:12:15	300	46	3.0	#6 AGN Monitor	4	
0077.vso-26447	720	2:45	05:34:12.4	-04:13:10	300	46	3.0	#112 Orion PMS	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.COMP	5	2:57	05:34:12.4	-04:13:10	300	46	3.0	#112 Orion PMS	4	
0079.vso-19431	900	2:58	05:34:13.4	-05:55:41	300	46	3.0	#112 Orion PMS	4	
0080.COMP	5	3:13	05:34:13.4	-05:55:41	300	46	3.0	#112 Orion PMS	4	
0081.vso-19449	720	3:14	05:34:24.3	-06:06:55	300	46	3.0	#112 Orion PMS	4	
0082.COMP	5	3:27	05:34:24.3	-06:06:55	300	46	3.0	#112 Orion PMS	4	
0083.sn2003ch	1200	3:30	07:17:57.9	+09:41:34	300	43	3.0	#2 SN Observat	2	
0084.COMP	10	3:50	07:17:57.9	+09:41:34	300	43	3.0	#2 SN Observat	2	
0085.BGGem	1200	3:52	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0086.BGGem	360	4:12	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0087.COMP	10	4:19	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0088.sn2003W	1200	4:23	09:46:49.4	+16:02:37	300	0	3.0	#2 SN Observat	2	
0089.COMP	10	4:43	09:46:49.4	+16:02:37	300	0	3.0	#2 SN Observat	2	
0090.sn2003cg	1200	4:45	10:14:15.9	+03:28:02	300	0	3.0	#2 SN Observat	2	
0091.COMP	10	5:05	10:14:15.9	+03:28:02	300	0	3.0	#2 SN Observat	2	
0092.MRK110	720	5:07	09:25:12.9	+52:17:10	300	0	3.0	#6 AGN Monitor	4	
0093.COMP	5	5:20	09:25:12.9	+52:17:10	300	0	3.0	#6 AGN Monitor	4	
0094.N3227	150	5:21	10:23:30.6	+19:51:54	300	8	3.0	#6 AGN Monitor	4	
0095.N3227	150	5:24	10:23:30.6	+19:51:54	300	8	3.0	#6 AGN Monitor	4	
0096.COMP	5	5:27	10:23:30.6	+19:51:54	300	8	3.0	#6 AGN Monitor	4	
0097.MRK421	420	5:28	11:04:27.4	+38:12:32	300	8	3.0	#133 MRK421 an	4	

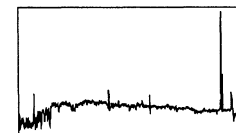
UT Date 2003-03-31 Observers P BerlindColl. Focus 300 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0098.MRK421	420	5:35	11:04:27.4	+38:12:32	300	8	3.0	#133 MRK421 an	4	
0099.COMP	5	5:42	11:04:27.4	+38:12:32	300	8	3.0	#133 MRK421 an	4	
0100.N4051	150	5:45	12:03:09.7	+44:31:53	300	51	3.0	#6 AGN Monitor	4	
0101.N4051	150	5:47	12:03:09.7	+44:31:53	300	51	3.0	#6 AGN Monitor	4	
0102.N4051	150	5:50	12:03:09.7	+44:31:53	300	51	3.0	#6 AGN Monitor	4	
0103.COMP	5	5:53	12:03:09.7	+44:31:53	300	51	3.0	#6 AGN Monitor	4	
0104.N4151	45	5:54	12:10:32.6	+39:24:21	300	51	3.0	#6 AGN Monitor	4	
0105.N4151	45	5:55	12:10:32.6	+39:24:21	300	51	3.0	#6 AGN Monitor	4	
0106.COMP	5	5:56	12:10:32.6	+39:24:21	300	51	3.0	#6 AGN Monitor	4	
0107.Feige34	180	6:01	10:36:41.2	43:21:50	300	-28	3.0	#56 Spectropho	2	
0108.Feige34	180	6:04	10:36:41.2	43:21:50	300	-28	3.0	#56 Spectropho	2	
0109.COMP	10	6:08	10:36:41.2	43:21:50	300	-28	3.0	#56 Spectropho	2	
0110.M87	180	6:10	12:30:49.4	12:23:28	300	-35	3.0	#6 AGN Monitor	4	
0111.M87	180	6:13	12:30:49.4	12:23:28	300	-35	3.0	#6 AGN Monitor	4	
0112.COMP	5	6:16	12:30:49.4	12:23:28	300	-35	3.0	#6 AGN Monitor	4	
0113.snic0849	1200	6:23	13:07:38	-00:56:00	300	0	3.0	#2 SN Observat	2	
0114.COMP	10	6:44	13:07:38	-00:56:00	300	0	3.0	#2 SN Observat	2	
0115-0124.FLAT	8	6:48	12:00:00	32:00:00	300	0	3.0	#57 Velocity S	4	
0125-0134.FLAT	16	6:54	12:00:00	32:00:00	300	0	3.0	#57 Velocity S	2	
0135.COMP	10	7:00	12:00:00	32:00:00	600	0	2.0	#57 Velocity S	2	

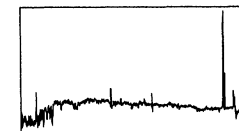
UT Date 2003-03-31 Observers P BerlindColl. Focus 300 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0136.hs1244	1200	7:11	13:27:19.2	36:45:27	600	90	2.0	#122 Halo Star	4	600-line, 2-sec
0137.COMP	10	7:32	13:27:19.2	36:45:27	600	90	2.0	#122 Halo Star	4	
0138.hs1245	900	7:33	13:30:03.2	43:30:13	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	7:48	13:30:03.2	43:30:13	600	90	2.0	#122 Halo Star	4	
0140.hs1252	900	7:49	13:42:26.1	40:49:32	600	90	2.0	#122 Halo Star	4	
0141.COMP	5	8:04	13:42:26.1	40:49:32	600	90	2.0	#122 Halo Star	4	
0142.hs1253	1200	8:05	13:42:37.3	45:30:50	600	90	2.0	#122 Halo Star	4	
0143.COMP	10	8:26	13:42:37.3	45:30:50	600	90	2.0	#122 Halo Star	4	
0144.hs1256	720	8:28	13:47:53.5	41:42:36	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	8:40	13:47:53.5	41:42:36	600	90	2.0	#122 Halo Star	4	
0146.hs1257	720	8:41	13:47:56.3	46:01:05	600	90	2.0	#122 Halo Star	4	
0147.COMP	10	8:53	13:47:56.3	46:01:05	600	90	2.0	#122 Halo Star	4	
0148.hs1259	900	8:54	13:51:13.1	41:10:18	600	90	2.0	#122 Halo Star	4	
0149.COMP	10	9:09	13:51:13.1	41:10:18	600	90	2.0	#122 Halo Star	4	
0150.hs1261	1200	9:10	13:55:41.5	45:09:07	600	90	2.0	#122 Halo Star	4	
0151.COMP	10	9:31	13:55:41.5	45:09:07	600	90	2.0	#122 Halo Star	4	
0152.hs1263	1200	9:31	13:59:14.1	44:53:34	600	90	2.0	#122 Halo Star	4	
0153.COMP	10	9:52	13:59:14.1	44:53:34	600	90	2.0	#122 Halo Star	4	
0154.hs1291	1200	9:53	14:51:36.7	57:00:31	600	90	2.0	#122 Halo Star	4	
0155.COMP	10	10:15	14:51:36.7	57:00:31	600	90	2.0	#122 Halo Star	4	

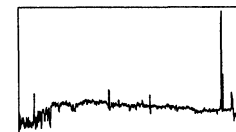


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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0156.hs1288	1200	10:15	14:49:03.9	52:59:54	600	90	2.0	#122 Halo Star	4	
0157.COMP	10	10:36	14:49:03.9	52:59:54	600	90	2.0	#122 Halo Star	4	
0158.hs1290	900	10:36	14:51:16.7	55:36:45	600	90	2.0	#122 Halo Star	4	
0159.COMP	10	10:52	14:51:16.7	55:36:45	600	90	2.0	#122 Halo Star	4	
0160.BDp332642	120	10:53	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0161.BDp332642	240	10:55	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0162.BDp332642	240	10:59	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0163.COMP	10	11:04	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0164.hs1292	900	11:05	14:51:56.3	56:46:31	600	90	2.0	#122 Halo Star	4	
0165.COMP	10	11:20	14:51:56.3	56:46:31	600	90	2.0	#122 Halo Star	4	
0166.hs1296	600	11:22	15:06:04.6	59:39:37	600	90	2.0	#122 Halo Star	4	
0167.COMP	10	11:32	15:06:04.6	59:39:37	600	90	2.0	#122 Halo Star	4	
0168.hs1304	900	11:33	15:15:02.0	54:06:17	600	90	2.0	#122 Halo Star	4	
0169.COMP	10	11:48	15:15:02.0	54:06:17	600	90	2.0	#122 Halo Star	4	
0170.hs1305	900	11:49	15:16:41.0	53:02:51	600	90	2.0	#122 Halo Star	4	
0171.COMP	10	12:04	15:16:41.0	53:02:51	600	90	2.0	#122 Halo Star	4	
0172.hs1344	720	12:07	16:17:27.6	65:54:20	600	90	2.0	#122 Halo Star	4	
0173.COMP	10	12:19	16:17:27.6	65:54:20	600	90	2.0	#122 Halo Star	4	
0174-0193.FLAT	40	12:36	16:17:27.6	65:54:20	600	90	2.0	#122 Halo Star	4	
0194-0203.BIAS	0	12:38	16:17:27.6	65:54:20	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0204-0213.BIAS	0	12:40	16:17:27.6	65:54:20	600	90	2.0	#122 Halo Star	2	
0214-0223.DARK	900	14:57	16:17:27.6	65:54:20	600	90	2.0	#122 Halo Star	4	

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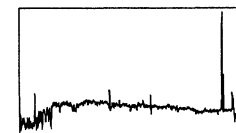
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:40	04:07:03.1	+31:29:53	600	90	2.0	#122 Halo Star	4	
0002.DARK	900	22:55	04:22:14.1	+31:29:56	600	90	2.0	#122 Halo Star	4	
0003.DARK	900	23:11	04:37:29.2	+31:29:59	600	90	2.0	#122 Halo Star	4	
0004.DARK	900	23:26	04:52:40.7	+31:30:02	600	90	2.0	#122 Halo Star	4	
0005.DARK	900	23:41	05:07:51.8	+31:30:06	600	90	2.0	#122 Halo Star	4	
0006.DARK	900	23:56	05:23:06.6	+31:30:09	600	90	2.0	#122 Halo Star	4	
0007.DARK	900	0:11	05:38:17.9	+31:30:13	600	90	2.0	#122 Halo Star	4	
0008.DARK	900	0:26	05:53:29.3	+31:30:17	600	90	2.0	#122 Halo Star	4	
0009.DARK	900	0:42	06:08:44.0	+31:30:20	600	90	2.0	#122 Halo Star	4	
0010.DARK	900	0:57	06:23:56.1	+31:30:24	600	90	2.0	#122 Halo Star	4	
0011.DARK	900	1:12	06:39:07.0	+31:30:28	600	90	2.0	#122 Halo Star	2	
0012-0021.BIAS	0	1:45	06:57:34.4	+31:30:33	300	90	3.0	#122 Halo Star	4	
0022-0028.FLAT	8	1:48	06:59:57.5	+31:30:33	300	90	3.0	#122 Halo Star	4	
0029-0031.FLAT	8	1:49	07:01:02.2	+31:30:34	300	90	3.0	#122 Halo Star	4	
0032-0041.BIAS	0	1:51	07:03:12.9	+31:30:34	300	90	3.0	#122 Halo Star	2	
0042-0051.FLAT	16	1:57	07:03:24.3	+31:30:34	300	90	3.0	#122 Halo Star	2	
0052-0056.sky	5	2:00	7:10:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.COMP	5	2:01	7:10:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0058.Hiltner600	90	2:27	06:42:37.2	02:11:25	300	22	3.0	#56 Spectropho	2	
0059.Hiltner600	90	2:29	06:42:37.2	02:11:25	300	22	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0060.COMP	10	2:31	06:42:37.2	02:11:25	300	22	3.0	#56 Spectropho	2	
0061.HD52071	5	2:34	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0062.HD52071	5	2:34	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0063.HD52071	5	2:35	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0064.COMP	5	2:35	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0065.vso-19460	600	2:39	05:34:28.0	-05:59:52	300	45	3.0	#112 Orion PMS	4	
0066.COMP	5	2:49	05:34:28.0	-05:59:52	300	45	3.0	#112 Orion PMS	4	
0067.vso-19484	480	2:50	05:34:38.7	-05:57:42	300	45	3.0	#112 Orion PMS	4	
0068.COMP	5	2:58	05:34:38.7	-05:57:42	300	45	3.0	#112 Orion PMS	4	
0069.vso-19482	720	2:59	05:34:38.5	-05:47:34	300	45	3.0	#112 Orion PMS	4	
0070.COMP	5	3:13	05:34:38.5	-05:47:34	300	45	3.0	#112 Orion PMS	4	
0071.vso-19480	720	3:14	05:34:36.1	-06:05:34	300	45	3.0	#112 Orion PMS	4	
0072.COMP	5	3:27	05:34:36.1	-06:05:34	300	45	3.0	#112 Orion PMS	4	
0073.vso-19471	1200	3:27	05:34:33.0	-05:57:46	300	45	3.0	#112 Orion PMS	4	
0074.COMP	5	3:48	05:34:33.0	-05:57:46	300	45	3.0	#112 Orion PMS	4	
0075.sn2003ch	1200	3:49	07:17:57.9	+09:41:34	300	45	3.0	#2 SN Observat	2	
0076.COMP	10	4:10	07:17:57.9	+09:41:34	300	45	3.0	#2 SN Observat	2	
0077.snmcg10	1200	4:14	8:09:11.1	57:41:14	300	-40	3.0	#2 SN Observat	2	
0078.COMP	10	4:34	8:09:11.1	57:41:14	300	-40	3.0	#2 SN Observat	2	
0079.cairnsk2_158	900	4:43	7:35:46.3	55:41:33	300	90	3.0	#64f Cluster I	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0080.COMP	5	4:58	7:35:46.3	55:41:33	300	90	3.0	#64f Cluster I	4	
0081.sn2003cg	1200	5:01	10:14:15.9	+03:28:02	300	5	3.0	#2 SN Observat	2	
0082.COMP	10	5:22	10:14:15.9	+03:28:02	300	5	3.0	#2 SN Observat	2	
0083.GRB030329	1200	5:28	10:44:50.0	21:31:17	300	5	3.0	#126 GRB	2	
0084.COMP	10	5:49	10:44:50.0	21:31:17	300	5	3.0	#126 GRB	2	
0085.Feige34	150	5:50	10:36:41.2	43:21:50	300	5	3.0	#56 Spectropho	2	
0086.Feige34	150	5:53	10:36:41.2	43:21:50	300	5	3.0	#56 Spectropho	2	
0087.Feige34	150	5:56	10:36:41.2	43:21:50	300	5	3.0	#56 Spectropho	2	
0088.COMP	10	5:59	10:36:41.2	43:21:50	300	5	3.0	#56 Spectropho	2	
0089-0098.FLAT	16	6:04	11:30:00	32:00:00	300	5	3.0	#2 SN Observat	2	
0099-0108.FLAT	8	6:07	11:30:00	32:00:00	300	5	3.0	#2 SN Observat	4	
0109.BIAS	0	6:10	11:30:00	32:00:00	600	5	2.0	#2 SN Observat	4	
0110.Feige34	240	6:11	10:36:41.2	43:21:50	600	0	2.0	#122 Halo Star	4	600-line, 2-sec
0111.COMP	10	6:15	10:36:41.2	43:21:50	600	0	2.0	#122 Halo Star	4	
0112.hs1264	1200	6:17	13:59:23.5	44:27:19	600	0	2.0	#122 Halo Star	4	
0113.COMP	10	6:38	13:59:23.5	44:27:19	600	0	2.0	#122 Halo Star	4	
0114.hs1268	1200	6:39	14:06:10.4	46:34:44	600	0	2.0	#122 Halo Star	4	
0115.COMP	10	6:59	14:06:10.4	46:34:44	600	0	2.0	#122 Halo Star	4	
0116.hs1269	900	7:00	14:08:33.3	53:05:49	600	0	2.0	#122 Halo Star	4	
0117.COMP	10	7:15	14:08:33.3	53:05:49	600	0	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0118.hs1275	1200	7:16	14:18:31.3	54:12:31	600	0	2.0	#122 Halo Star	4	
0119.COMP	10	7:36	14:18:31.3	54:12:31	600	0	2.0	#122 Halo Star	4	
0120.hs1274	1200	7:37	14:14:00.2	47:11:15	600	0	2.0	#122 Halo Star	4	
0121.COMP	10	7:58	14:14:00.2	47:11:15	600	0	2.0	#122 Halo Star	4	
0122.hs1276	1200	7:58	14:18:52.7	46:52:17	600	0	2.0	#122 Halo Star	4	
0123.COMP	10	8:18	14:18:52.7	46:52:17	600	0	2.0	#122 Halo Star	4	
0124.hs1267	900	8:19	14:03:20.6	44:00:13	600	0	2.0	#122 Halo Star	4	
0125.COMP	10	8:35	14:03:20.6	44:00:13	600	0	2.0	#122 Halo Star	4	
0126.hs1270	900	8:35	14:09:00.9	49:17:39	600	0	2.0	#122 Halo Star	4	
0127.COMP	10	8:51	14:09:00.9	49:17:39	600	0	2.0	#122 Halo Star	4	
0128.hs1271	1200	8:51	14:12:12.2	44:48:49	600	0	2.0	#122 Halo Star	4	
0129.COMP	10	9:12	14:12:12.2	44:48:49	600	0	2.0	#122 Halo Star	4	
0130.hs1272	900	9:13	14:13:09.8	49:27:16	600	0	2.0	#122 Halo Star	4	
0131.COMP	10	9:28	14:13:09.8	49:27:16	600	0	2.0	#122 Halo Star	4	
0132.hs1273	1200	9:29	14:13:13.9	46:15:35	600	0	2.0	#122 Halo Star	4	
0133.COMP	10	9:50	14:13:13.9	46:15:35	600	0	2.0	#122 Halo Star	4	
0134.hs1277	900	9:50	14:19:07.0	47:34:40	600	0	2.0	#122 Halo Star	4	
0135.COMP	10	10:06	14:19:07.0	47:34:40	600	0	2.0	#122 Halo Star	4	
0136.hs1278	1200	10:06	14:20:00.0	47:17:34	600	0	2.0	#122 Halo Star	4	
0137.COMP	10	10:27	14:20:00.0	47:17:34	600	0	2.0	#122 Halo Star	4	

UT Date 2003-04-01 Observers P BerlindColl. Focus 800 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0138.hs1279	900	10:27	14:20:37.2	46:37:07	600	0	2.0	#122 Halo Star	4	
0139.COMP	10	10:43	14:20:37.2	46:37:07	600	0	2.0	#122 Halo Star	4	
0140.hs1281	720	10:44	14:24:58.5	47:21:45	600	0	2.0	#122 Halo Star	4	
0141.COMP	10	10:57	14:24:58.5	47:21:45	600	0	2.0	#122 Halo Star	4	
0142.hs1283	720	10:58	14:31:47.2	55:35:20	600	0	2.0	#122 Halo Star	4	
0143.COMP	10	11:10	14:31:47.2	55:35:20	600	0	2.0	#122 Halo Star	4	
0144.hs1284	1200	11:11	14:39:02.1	53:57:44	600	0	2.0	#122 Halo Star	4	
0145.COMP	10	11:32	14:39:02.1	53:57:44	600	0	2.0	#122 Halo Star	4	
0146.BDp332642	240	11:33	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0147.BDp332642	240	11:37	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	11:42	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	4	
0149.hs1285	1200	11:42	14:45:01.7	49:54:23	600	90	2.0	#122 Halo Star	4	redo
0150.COMP	10	12:03	14:45:01.7	49:54:23	600	90	2.0	#122 Halo Star	4	
0151-0170.FLAT	40	12:26	14:46:39.2	53:09:26	600	90	2.0	#2 SN Observat	4	
0171-0180.BIAS	0	12:28	14:46:39.2	53:09:26	600	90	2.0	#2 SN Observat	4	
0181-0190.BIAS	0	12:31	14:46:39.2	53:09:26	600	90	2.0	#2 SN Observat	2	
0191-0200.DARK	1200	15:37	14:46:39.2	53:09:26	300	90	3.0	#2 SN Observat	2	