

UT Date 2001-03-14 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	6:41	10:59:53.0	31:30:49	300	90	3.0	357 velocity s	4	
0002.DARK	900	6:56	11:15:05.0	31:30:50	300	90	3.0	357 velocity s	4	
0003.DARK	900	7:11	11:30:13.0	31:30:51	300	90	3.0	357 velocity s	4	
0004-0005.DARK	900	7:41	12:00:37.0	31:30:52	300	90	3.0	357 velocity s	4	
0006-0007.DARK	900	8:12	12:31:05.0	31:30:53	300	90	3.0	357 velocity s	4	
0008-0010.DARK	900	8:57	13:16:39.0	31:30:54	300	90	3.0	357 velocity s	4	
0011-0020.BIAS	0	9:14	13:18:58.0	31:30:54	300	90	3.0	357 velocity s	4	
0021-0030.FLAT	6	9:19	13:23:32.0	31:30:54	300	90	3.0	357 velocity s	4	
0031-0040.BIAS	0	9:22	13:26:22.0	31:30:54	300	90	3.0	357 velocity s	2	
0041-0050.FLAT	12	9:29	13:33:55.0	31:30:54	300	90	3.0	357 velocity s	2	
0051.HZ44	120	9:49	13:23:35.2	+36:07:59	300	90	3.0	#56 Photometri	4	
0052.COMP	5	9:51	13:23:35.2	+36:07:59	300	90	3.0	#56 Photometri	4	
0053.SN2001V	1200	9:55	11:57:25.0	25:12:10	300	69	3.0	#2 SN Observat	2	
0054.COMP	12	10:15	11:57:25.0	25:12:10	300	69	3.0	#2 SN Observat	2	
0055.SN3504	1020	10:27	11:03:15.3	27:58:29	300	69	3.0	#2 SN Observat	2	row=86
0056.SN3504	1020	10:44	11:03:15.3	27:58:29	300	69	3.0	#2 SN Observat	2	
0057.COMP	12	11:02	11:03:15.3	27:58:29	300	69	3.0	#2 SN Observat	2	
0058.HZ44	120	11:09	13:23:35.2	+36:07:59	300	93	3.0	#56 Photometri	2	
0059.COMP	12	11:11	13:23:35.2	+36:07:59	300	93	3.0	#56 Photometri	2	
0060.COLA_160	900	11:13	15:34:57	23:30:11	300	90	3.0	#124 COLA	2	

UT Date 2001-03-14 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

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0061.COMP	12	11:29	15:34:57	23:30:11	300	90	3.0	#124 COLA	2	
0062.COLA_164	600	11:32	16:05:13	20:32:33	300	90	3.0	#124 COLA	2	
0063.COMP	12	11:43	16:05:13	20:32:33	300	90	3.0	#124 COLA	2	
0064.COLA_178	1200	11:45	17:49:06	13:19:56	300	90	3.0	#124 COLA	2	
0065.COMP	12	12:05	17:49:06	13:19:56	300	90	3.0	#124 COLA	2	
0066.COLA_180	900	12:07	17:56:56	24:01:02	300	90	3.0	#124 COLA	2	
0067.COMP	12	12:22	17:56:56	24:01:02	300	90	3.0	#124 COLA	2	
0068.SN2001ab	1020	12:35	16:19:34.8	57:37:05	300	-28	3.0	#2 SN Observat	2	
0069.COMP	12	12:53	16:19:34.8	57:37:05	300	-28	3.0	#2 SN Observat	2	
0070-0074.sky	2	13:21	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0075.COMP	5	13:22	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0076-0085.BIAS	0	13:24	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0086-0095.FLAT	6	13:26	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0096-0105.BIAS	0	13:29	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	
0106-0115.FLAT	12	13:33	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	
0116-0122.DARK	900	15:05	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	

UT Date 2001-03-15 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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0001-0010.BIAS	0	1:29	05:36:26.0	31:30:08	300	90	3.0	#57 Velocity S	4	
0011-0020.FLAT	8	1:32	05:39:20.0	31:30:08	300	90	3.0	#57 Velocity S	4	
0021-0030.BIAS	0	1:35	05:41:53.0	31:30:08	300	90	3.0	#57 Velocity S	2	
0031-0035.FLAT	16	1:37	05:44:33.0	31:30:08	300	90	3.0	#57 Velocity S	2	
0036-0040.FLAT	16	1:40	05:47:06.0	31:30:09	300	90	3.0	#57 Velocity S	2	
0041.sky	2	1:43	05:48:00	32:00:00	300	90	3.0	#57 Velocity S	4	Hi Susan!
0042-0045.sky	2	1:44	05:48:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	1:46	05:48:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0047.HD52971	5	2:15	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0048.HD52971	5	2:16	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0049.HD52971	5	2:16	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0050.COMP	5	2:17	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0051.Hiltner600	45	2:20	06:45:12.0	+02:06:00	300	-5	3.0	#56 Photometri	2	clear skies... windy
0052.Hiltner600	45	2:21	06:45:12.0	+02:06:00	300	-5	3.0	#56 Photometri	2	
0053.COMP	10	2:22	06:45:12.0	+02:06:00	300	-5	3.0	#56 Photometri	2	
0054.BXMon	15	2:24	7:25:23	-03:35:51	300	-5	3.0	#12 Symbiotic	4	
0055.BXMon	30	2:24	7:25:23	-03:35:51	300	-5	3.0	#12 Symbiotic	4	
0056.BXMon	180	2:25	7:25:23	-03:35:51	300	-5	3.0	#12 Symbiotic	4	
0057.COMP	5	2:29	7:25:23	-03:35:51	300	-5	3.0	#12 Symbiotic	4	
0058.S32	120	2:31	4:37:45	-01:19:11	300	40	3.0	#12 Symbiotic	4	

UT Date 2001-03-15 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0059.S32	300	2:33	4:37:45	-01:19:11	300	40	3.0	#12 Symbiotic	4	
0060.COMP	5	2:39	4:37:45	-01:19:11	300	40	3.0	#12 Symbiotic	4	
0061.COLA_51	1200	2:40	04:02:48.2	01:57:57	300	48	3.0	#124 COLA	2	
0062.COMP	10	3:00	04:02:48.2	01:57:57	300	48	3.0	#124 COLA	2	
0063.COLA_51	1200	3:01	04:02:48.2	01:57:57	300	48	3.0	#124 COLA	2	
0064.COMP	10	3:21	04:02:48.2	01:57:57	300	48	3.0	#124 COLA	2	
0065.COLA_53	1200	3:23	04:12:22	05:32:51	300	48	3.0	#124 COLA	2	
0066.COMP	10	3:44	04:12:22	05:32:51	300	48	3.0	#124 COLA	2	
0067.UGem	180	3:46	07:55:05	22:00:03	300	90	3.0	#121 UGem	2	
0068.COMP	10	3:50	07:55:05	22:00:03	300	90	3.0	#121 UGem	2	
0069.BGGem	180	3:51	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0070.BGGem	900	3:54	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0071.COMP	10	4:10	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0072.sn2001G	1200	4:13	09:09:33.1	+50:16:51	300	29	3.0	#2 SN Observat	2	
0073.COMP	10	4:34	09:09:33.1	+50:16:51	300	29	3.0	#2 SN Observat	2	
0074.Feige34	120	4:36	10:39:36.7	+43:06:09	300	71	3.0	#56 Photometri	2	
0075.COMP	10	4:39	10:39:36.7	+43:06:09	300	71	3.0	#56 Photometri	2	
0076.Feige34	180	4:48	10:39:36.7	+43:06:09	600	71	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit
0077.COMP	10	4:51	10:39:36.7	+43:06:09	600	71	2.0	#122 Halo Star	4	tilt=430
0078.HD064488	5	4:52	7:55:54.7	39:17:12	600	71	2.0	#122 Halo Star	4	

UT Date 2001-03-15 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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0079.HD064488	5	4:53	7:55:54.7	39:17:12	600	71	2.0	#122 Halo Star	4	
0080.HD064488	5	4:53	7:55:54.7	39:17:12	600	71	2.0	#122 Halo Star	4	
0081.COMP	10	4:54	7:55:54.7	39:17:12	600	71	2.0	#122 Halo Star	4	
0082.RR7n23	90	4:54	8:28:29.5	40:27:48	600	71	2.0	#122 Halo Star	4	
0083.RR7n23	300	4:56	8:28:29.5	40:27:48	600	71	2.0	#122 Halo Star	4	
0084.COMP	10	5:02	8:28:29.5	40:27:48	600	71	2.0	#122 Halo Star	4	
0085.RR7n3	720	5:03	8:22:21.2	37:59:03	600	90	2.0	#122 Halo Star	4	
0086.COMP	10	5:15	8:22:21.2	37:59:03	600	90	2.0	#122 Halo Star	4	
0087.RR7n60	600	5:16	8:42:16.9	36:45:34	600	90	2.0	#122 Halo Star	4	
0088.COMP	10	5:26	8:42:16.9	36:45:34	600	90	2.0	#122 Halo Star	4	
0089.RR7n91	720	5:27	8:49:10.7	39:40:06	600	90	2.0	#122 Halo Star	4	
0090.COMP	10	5:39	8:49:10.7	39:40:06	600	90	2.0	#122 Halo Star	4	
0091.RR7n78	60	5:41	8:46:08.0	39:31:37	600	90	2.0	#122 Halo Star	4	
0092.RR7n78	30	5:42	8:46:08.0	39:31:37	600	90	2.0	#122 Halo Star	4	
0093.COMP	10	5:43	8:46:08.0	39:31:37	600	90	2.0	#122 Halo Star	4	
0094.RR7n103	30	5:44	8:52:20.2	37:41:19	600	90	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit cont.
0095.RR7n103	30	5:44	8:52:20.2	37:41:19	600	90	2.0	#122 Halo Star	4	
0096.COMP	10	5:45	8:52:20.2	37:41:19	600	90	2.0	#122 Halo Star	4	
0097.hs11	600	5:47	10:34:05.8	29:08:53	600	90	2.0	#122 Halo Star	4	
0098.COMP	10	5:58	10:34:05.8	29:08:53	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-15 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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0099.hs12	900	6:01	10:34:27.1	29:32:23	600	90	2.0	#122 Halo Star	4	
0100.COMP	10	6:16	10:34:27.1	29:32:23	600	90	2.0	#122 Halo Star	4	
0101.hs13	240	6:17	10:35:18.6	29:24:14	600	90	2.0	#122 Halo Star	4	
0102.COMP	10	6:21	10:35:18.6	29:24:14	600	90	2.0	#122 Halo Star	4	
0103.hs14	720	6:22	10:35:35.8	29:32:39	600	90	2.0	#122 Halo Star	4	
0104.COMP	10	6:35	10:35:35.8	29:32:39	600	90	2.0	#122 Halo Star	4	
0105.hs15	300	6:35	10:35:43.4	29:38:39	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	6:41	10:35:43.4	29:38:39	600	90	2.0	#122 Halo Star	4	
0107.hs16	300	6:42	10:35:43.4	29:07:45	600	90	2.0	#122 Halo Star	4	
0108.COMP	10	6:47	10:35:43.4	29:07:45	600	90	2.0	#122 Halo Star	4	
0109.hs17	300	6:47	10:35:54.2	29:22:55	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	6:53	10:35:54.2	29:22:55	600	90	2.0	#122 Halo Star	4	
0111.hs18	900	6:53	10:36:01.8	29:28:30	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	7:09	10:36:01.8	29:28:30	600	90	2.0	#122 Halo Star	4	
0113.hs19	1200	7:09	10:36:23.7	29:17:33	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	7:30	10:36:23.7	29:17:33	600	90	2.0	#122 Halo Star	4	
0115.hs20	420	7:31	10:36:24.4	29:32:43	600	90	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit cont.
0116.COMP	10	7:38	10:36:24.4	29:32:43	600	90	2.0	#122 Halo Star	4	
0117.hs21	240	7:39	10:36:42.1	29:26:40	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	7:43	10:36:42.1	29:26:40	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-15 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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0119.hs22	600	7:44	10:37:08.4	29:37:22	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	7:54	10:37:08.4	29:37:22	600	90	2.0	#122 Halo Star	4	
0121.hs23	840	7:55	10:37:12.7	29:25:41	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	8:09	10:37:12.7	29:25:41	600	90	2.0	#122 Halo Star	4	
0123.hs24	360	8:10	10:37:22.8	29:01:20	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	8:16	10:37:22.8	29:01:20	600	90	2.0	#122 Halo Star	4	
0125.hs25	300	8:17	10:37:26.0	29:22:39	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	8:22	10:37:26.0	29:22:39	600	90	2.0	#122 Halo Star	4	
0127.hs26	540	8:23	10:37:35.0	28:52:28	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	8:33	10:37:35.0	28:52:28	600	90	2.0	#122 Halo Star	4	
0129.hs27	300	8:33	10:37:46.2	29:11:40	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	8:38	10:37:46.2	29:11:40	600	90	2.0	#122 Halo Star	4	
0131.hs28	840	8:43	10:37:54.1	29:29:14	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	8:57	10:37:54.1	29:29:14	600	90	2.0	#122 Halo Star	4	
0133.hs29	900	8:58	10:38:09.6	29:17:34	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	9:13	10:38:09.6	29:17:34	600	90	2.0	#122 Halo Star	4	
0135.hs30	600	9:14	10:38:19.6	29:02:37	600	90	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit cont.
0136.COMP	10	9:24	10:38:19.6	29:02:37	600	90	2.0	#122 Halo Star	4	
0137.hs31	360	9:25	10:38:38.0	29:28:59	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	9:31	10:38:38.0	29:28:59	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-15 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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0139.hs32	900	9:32	10:38:50.6	29:34:31	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	9:48	10:38:50.6	29:34:31	600	90	2.0	#122 Halo Star	4	
0141.HZ44	240	9:49	13:23:35	36:07:59	600	90	2.0	#122 Halo Star	4	
0142.COMP	10	9:53	13:23:35	36:07:59	600	90	2.0	#122 Halo Star	4	
0143-0147.FLAT	30	9:57	14:10:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0148-0157.FLAT	45	10:06	14:10:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0158.HZ44	150	10:11	13:23:35.2	+36:07:59	300	100	3.0	#56 Photometri	2	300gpm grating; 3-sec slit; normal set-yp
0159.HZ44	150	10:13	13:23:35.2	+36:07:59	300	100	3.0	#56 Photometri	2	
0160.COMP	10	10:16	13:23:35.2	+36:07:59	300	100	3.0	#56 Photometri	2	
0161.SN2001V	1200	10:18	11:57:25.0	25:12:10	300	72	3.0	#2 SN Observat	2	
0162.COMP	10	10:38	11:57:25.0	25:12:10	300	72	3.0	#2 SN Observat	2	
0163.MRK421	240	10:39	11:04:27.4	+38:12:32	300	80	3.0	#6 AGN Monitor	4	
0164.COMP	5	10:44	11:04:27.4	+38:12:32	300	80	3.0	#6 AGN Monitor	4	
0165.N4051	120	10:45	12:03:09.7	+44:31:53	300	95	3.0	#6 AGN Monitor	4	
0166.N4051	120	10:47	12:03:09.7	+44:31:53	300	95	3.0	#6 AGN Monitor	4	
0167.COMP	5	10:49	12:03:09.7	+44:31:53	300	95	3.0	#6 AGN Monitor	4	
0168.N4151	30	10:50	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0169.N4151	30	10:51	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0170.N4151	30	10:51	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0171.COMP	5	10:52	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	

UT Date 2001-03-15 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0172.N5548	150	10:54	14:17:59.6	+25:08:12	300	55	3.0	#6 AGN Monitor	4	
0173.N5548	150	10:56	14:17:59.6	+25:08:12	300	55	3.0	#6 AGN Monitor	4	
0174.COMP	5	10:59	14:17:59.6	+25:08:12	300	55	3.0	#6 AGN Monitor	4	
0175.MRK279	150	11:01	13:51:53.6	69:33:13	300	55	3.0	#6 AGN Monitor	4	
0176.MRK279	150	11:03	13:51:53.6	69:33:13	300	55	3.0	#6 AGN Monitor	4	
0177.COMP	5	11:06	13:51:53.6	69:33:13	300	55	3.0	#6 AGN Monitor	4	
0178.133654+43490_a	900	11:08	13:39:03.1	43:33:58	300	90	3.0	#113 Galaxy In	2	
0179.COMP	10	11:24	13:39:03.1	43:33:58	300	90	3.0	#113 Galaxy In	2	
0180.133654+43490_b	480	11:24	13:39:05.7	43:32:51	300	90	3.0	#113 Galaxy In	2	
0181.COMP	10	11:33	13:39:05.7	43:32:51	300	90	3.0	#113 Galaxy In	2	
0182.134848+38310_a	900	11:34	13:50:53.9	38:16:30	300	90	3.0	#113 Galaxy In	2	ISS ans STS in the north
0183.COMP	10	11:49	13:50:53.9	38:16:30	300	90	3.0	#113 Galaxy In	2	
0184.SN2001ad	1200	11:53	17:24:02.4	58:59:52	300	34	3.0	#2 SN Observat	2	
0185.COMP	10	12:13	17:24:02.4	58:59:52	300	34	3.0	#2 SN Observat	2	
0186.N5866	240	12:15	15:05:07.2	+55:57:18	300	34	3.0	#57 Velocity S	4	
0187.COMP	5	12:20	15:05:07.2	+55:57:18	300	34	3.0	#57 Velocity S	4	
0188.BDp332642	45	12:21	15:51:59.8	+32:56:54	300	34	3.0	#56 Photometri	2	clear and still windy @ dawn
0189.BDp332642	45	12:22	15:51:59.8	+32:56:54	300	34	3.0	#56 Photometri	2	
0190.COMP	10	12:24	15:51:59.8	+32:56:54	300	34	3.0	#56 Photometri	2	
0191.Com.McNaught.Hart	30	12:30	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	4	

UT Date 2001-03-15 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0192.Com.McNaught.Hart	120	12:31	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	4	
0193.Com.McNaught.Hart	120	12:33	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	4	
0194.COMP	5	12:36	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	4	
0195-0204.BIAS	0	12:39	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	4	
0205-0214.FLAT	8	12:42	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	4	
0215-0224.BIAS	0	12:45	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	2	
0225-0234.FLAT	16	12:49	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	2	
0235-0244.DARK	900	15:10	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	4	

UT Date 2001-03-16 Observers P BerlindColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	1200	0:20	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	2	
0011-0020.BIAS	0	1:22	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	4	
0021-0030.FLAT	8	1:24	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	4	
0031-0040.BIAS	0	1:27	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	2	
0041-0050.FLAT	16	1:33	18:09:00	51:56:00	300	34	3.0	#57 Velocity S	2	
0051.sky	2	1:43	06:00:00	32:00:00	300	34	3.0	#57 Velocity S	4	cirrus to far west
0052-0055.sky	2	1:44	06:00:00	32:00:00	300	34	3.0	#57 Velocity S	4	
0056.COMP	5	1:45	06:00:00	32:00:00	300	34	3.0	#57 Velocity S	4	
0057.HD52971	4	2:11	06:57:51	+27:13:42	300	34	3.0	#57 Velocity S	4	
0058.HD52971	4	2:12	06:57:51	+27:13:42	300	34	3.0	#57 Velocity S	4	
0059.HD52971	4	2:12	06:57:51	+27:13:42	300	34	3.0	#57 Velocity S	4	
0060.COMP	5	2:13	06:57:51	+27:13:42	300	34	3.0	#57 Velocity S	4	
0061.Hiltner600	45	2:16	06:45:12.0	+02:06:00	300	-5	3.0	#56 Photometri	2	
0062.Hiltner600	45	2:17	06:45:12.0	+02:06:00	300	-5	3.0	#56 Photometri	2	
0063.Hiltner600	45	2:18	06:45:12.0	+02:06:00	300	-5	3.0	#56 Photometri	2	
0064.COMP	10	2:20	06:45:12.0	+02:06:00	300	-5	3.0	#56 Photometri	2	
0065.vso47597	720	2:25	5:12:54.5	1:22:40	300	-5	3.0	#112 Orion PMS	2	
0066.COMP	10	2:37	5:12:54.5	1:22:40	300	-5	3.0	#112 Orion PMS	2	
0067.COLA_60	1200	2:40	03:54:15	15:55:43	300	60	3.0	#124 COLA	2	
0068.COMP	10	3:00	03:54:15	15:55:43	300	60	3.0	#124 COLA	2	

UT Date 2001-03-16 Observers P BerlindColl. Focus 1000 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0069.sn2001C	1200	3:05	06:59:36.1	+59:31:01	300	-9	3.0	#2 SN Observat	2	
0070.COMP	10	3:26	06:59:36.1	+59:31:01	300	-9	3.0	#2 SN Observat	2	
0071.102030+18120_a	720	3:29	10:23:10.4	17:57:47	300	90	3.0	#113 Galaxy In	2	
0072.COMP	10	3:41	10:23:10.4	17:57:47	300	90	3.0	#113 Galaxy In	2	
0073.102030+18120_b	1200	3:43	10:23:11.5	17:59:02	300	90	3.0	#113 Galaxy In	2	
0074.COMP	10	4:03	10:23:11.5	17:59:02	300	90	3.0	#113 Galaxy In	2	
0075.101542+13320_b	1200	4:05	10:18:19.0	13:13:52	300	90	3.0	#113 Galaxy In	4	a few thin clouds; good seein
0076.COMP	5	4:25	10:18:19.0	13:13:52	300	90	3.0	#113 Galaxy In	4	
0077.101542+13320_a	1200	4:27	10:18:23.3	13:16:41	300	90	3.0	#113 Galaxy In	4	
0078.COMP	5	4:47	10:18:23.3	13:16:41	300	90	3.0	#113 Galaxy In	4	
0079.111048+47510_a	720	4:52	11:13:40.9	47:34:43	300	90	3.0	#113 Galaxy In	2	
0080.111048+47510_b	900	5:05	11:13:45.6	47:35:51	300	90	3.0	#113 Galaxy In	2	
0081.COMP	10	5:20	11:13:45.6	47:35:51	300	90	3.0	#113 Galaxy In	2	
0082.111342+41210_ab	1200	5:23	11:16:29.1	41:04:41	300	69	3.0	#113 Galaxy In	2	a is @ row 110; b is @ row 71
0083.COMP	10	5:43	11:16:29.1	41:04:41	300	69	3.0	#113 Galaxy In	2	
0084.112618+39070_a	900	5:46	11:28:58.9	38:51:04	300	69	3.0	#113 Galaxy In	2	
0085.COMP	10	6:01	11:28:58.9	38:51:04	300	69	3.0	#113 Galaxy In	2	
0086.112618+39070_b	900	6:02	11:29:05.0	38:49:45	300	69	3.0	#113 Galaxy In	2	
0087.COMP	10	6:17	11:29:05.0	38:49:45	300	69	3.0	#113 Galaxy In	2	
0088.114306+20180_b	600	6:18	11:45:50.0	19:59:16	300	69	3.0	#113 Galaxy In	4	increasing clouds...

UT Date 2001-03-16 Observers P BerlindColl. Focus 1000 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.COMP	5	6:29	11:45:50.0	19:59:16	300	69	3.0	#113 Galaxy In	4	
0090.Feige34	90	6:30	10:39:36.7	+43:06:09	300	90	3.0	#56 Photometri	2	
0091.Feige34	150	6:31	10:39:36.7	+43:06:09	300	90	3.0	#56 Photometri	2	
0092.Feige34	150	6:35	10:39:36.7	+43:06:09	300	90	3.0	#56 Photometri	2	
0093.COMP	10	6:38	10:39:36.7	+43:06:09	300	90	3.0	#56 Photometri	2	
0094.SN2001V	1200	6:41	11:57:25.0	25:12:10	300	-50	3.0	#2 SN Observat	2	
0095.COMP	10	7:03	11:57:25.0	25:12:10	300	-50	3.0	#2 SN Observat	2	
0096.BIAS	0	7:07	11:15:00	32:00:00	600	90	2.0	#2 SN Observat	2	600gpm grating; 2-sec slit
0097.HZ44	120	7:15	10:39:36.7	43:06:09	600	90	2.0	#122 Halo Star	4	tilt=430
0098.HZ44	120	7:21	10:39:36.7	43:06:09	600	90	2.0	#122 Halo Star	4	
0099.COMP	10	7:24	10:39:36.7	43:06:09	600	90	2.0	#122 Halo Star	4	
0100.hs33	900	7:25	10:39:16.2	29:13:59	600	90	2.0	#122 Halo Star	4	
0101.COMP	10	7:40	10:39:16.2	29:13:59	600	90	2.0	#122 Halo Star	4	
0102.hs34	720	7:41	10:39:24.8	29:28:14	600	90	2.0	#122 Halo Star	4	moon
0103.COMP	10	7:53	10:39:24.8	29:28:14	600	90	2.0	#122 Halo Star	4	
0104.hs35	900	7:54	10:39:55.0	29:33:56	600	90	2.0	#122 Halo Star	4	
0105.COMP	10	8:09	10:39:55.0	29:33:56	600	90	2.0	#122 Halo Star	4	
0106.hs36	360	8:10	10:41:09.2	29:37:46	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	8:16	10:41:09.2	29:37:46	600	90	2.0	#122 Halo Star	4	
0108.hs37	720	8:17	10:41:21.4	29:06:03	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-16 Observers P BerlindColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0109.COMP	10	8:29	10:41:21.4	29:06:03	600	90	2.0	#122 Halo Star	4	
0110.hs38	600	8:30	10:41:31.5	29:10:19	600	90	2.0	#122 Halo Star	4	
0111.COMP	10	8:40	10:41:31.5	29:10:19	600	90	2.0	#122 Halo Star	4	
0112.hs39	300	8:41	10:41:43.8	29:30:15	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	8:46	10:41:43.8	29:30:15	600	90	2.0	#122 Halo Star	4	
0114.hs40	720	8:47	10:41:45.9	29:34:35	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	8:59	10:41:45.9	29:34:35	600	90	2.0	#122 Halo Star	4	
0116.hs41	300	9:00	10:41:55.6	29:41:28	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	9:05	10:41:55.6	29:41:28	600	90	2.0	#122 Halo Star	4	
0118.hs42	720	9:06	10:42:54.3	29:07:54	600	90	2.0	#122 Halo Star	4	a few thin clouds around
0119.COMP	10	9:18	10:42:54.3	29:07:54	600	90	2.0	#122 Halo Star	4	
0120.hs43	240	9:19	10:43:39.7	29:22:08	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	9:23	10:43:39.7	29:22:08	600	90	2.0	#122 Halo Star	4	
0122.hs44	660	9:24	10:44:33.7	29:28:09	600	90	2.0	#122 Halo Star	4	
0123.COMP	5	9:36	10:44:33.7	29:28:09	600	90	2.0	#122 Halo Star	4	
0124.hs45	360	9:36	10:44:48.4	29:42:38	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	9:43	10:44:48.4	29:42:38	600	90	2.0	#122 Halo Star	4	
0126.hs46	240	9:43	10:45:57.9	29:38:21	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	9:48	10:45:57.9	29:38:21	600	90	2.0	#122 Halo Star	4	
0128.hs46	240	9:48	10:45:57.9	29:38:21	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-16 Observers P BerlindColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0129.COMP	10	9:53	10:45:57.9	29:38:21	600	90	2.0	#122 Halo Star	4	
0130.hs47	600	9:53	10:46:35.0	29:04:42	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	10:04	10:46:35.0	29:04:42	600	90	2.0	#122 Halo Star	4	
0132.hs48	420	10:04	10:46:40.4	29:01:17	600	90	2.0	#122 Halo Star	4	
0133.COMP	5	10:12	10:46:40.4	29:01:17	600	90	2.0	#122 Halo Star	4	
0134.hs49	540	10:12	10:46:41.8	28:52:39	600	90	2.0	#122 Halo Star	4	
0135.COMP	5	10:22	10:46:41.8	28:52:39	600	90	2.0	#122 Halo Star	4	
0136.hs50	840	10:22	10:47:08.8	29:20:55	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	10:37	10:47:08.8	29:20:55	600	90	2.0	#122 Halo Star	4	
0138.hs51	1200	10:38	10:47:18.2	29:34:49	600	90	2.0	#122 Halo Star	4	increasing clouds
0139.COMP	10	10:58	10:47:18.2	29:34:49	600	90	2.0	#122 Halo Star	4	
0140.hs52	900	10:59	10:48:01.4	29:36:24	600	90	2.0	#122 Halo Star	4	
0141.COMP	10	11:14	10:48:01.4	29:36:24	600	90	2.0	#122 Halo Star	4	
0142.HD105805	2	11:15	12:10:46.1	27:16:53	600	90	2.0	#122 Halo Star	4	
0143.HD105805	2	11:16	12:10:46.1	27:16:53	600	90	2.0	#122 Halo Star	4	
0144.HD105805	2	11:16	12:10:46.1	27:16:53	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	11:16	12:10:46.1	27:16:53	600	90	2.0	#122 Halo Star	4	
0146.HD106103	4	11:17	12:12:24.9	27:22:48	600	90	2.0	#122 Halo Star	4	
0147.HD106103	4	11:17	12:12:24.9	27:22:48	600	90	2.0	#122 Halo Star	4	
0148.HD106103	10	11:18	12:12:24.9	27:22:48	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-16 Observers P BerlindColl. Focus 1000 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0149.COMP	10	11:18	12:12:24.9	27:22:48	600	90	2.0	#122 Halo Star	4	
0150.HD106691	10	11:19	12:16:08.4	25:45:37	600	90	2.0	#122 Halo Star	4	
0151.HD106691	10	11:20	12:16:08.4	25:45:37	600	90	2.0	#122 Halo Star	4	
0152.HD106691	10	11:20	12:16:08.4	25:45:37	600	90	2.0	#122 Halo Star	4	
0153.COMP	10	11:20	12:16:08.4	25:45:37	600	90	2.0	#122 Halo Star	4	
0154.HD107131	4	11:21	12:19:02.0	26:00:30	600	90	2.0	#122 Halo Star	4	
0155.HD107131	4	11:21	12:19:02.0	26:00:30	600	90	2.0	#122 Halo Star	4	
0156.HD107131	2	11:22	12:19:02.0	26:00:30	600	90	2.0	#122 Halo Star	4	
0157.COMP	10	11:24	12:19:02.0	26:00:30	600	90	2.0	#122 Halo Star	4	
0158.HD119516	10	11:25	13:43:26.7	15:34:31	600	90	2.0	#122 Halo Star	4	
0159.HD119516	10	11:25	13:43:26.7	15:34:31	600	90	2.0	#122 Halo Star	4	
0160.HD119516	30	11:26	13:43:26.7	15:34:31	600	90	2.0	#122 Halo Star	4	
0161.COMP	10	11:27	13:43:26.7	15:34:31	600	90	2.0	#122 Halo Star	4	
0162.m92vi10	600	11:29	17:16:34.2	43:07:35	600	90	2.0	#122 Halo Star	4	lots of clouds
0163.COMP	10	11:40	17:16:34.2	43:07:35	600	90	2.0	#122 Halo Star	4	
0164.m92xii01	1200	11:40	17:17:44.7	43:05:59	600	90	2.0	#122 Halo Star	4	
0165.COMP	10	12:01	17:17:44.7	43:05:59	600	90	2.0	#122 Halo Star	4	
0166.BDp332642	90	12:02	15:51:59	32:56:54	600	90	2.0	#122 Halo Star	4	
0167.BDp332642	90	12:04	15:51:59	32:56:54	600	90	2.0	#122 Halo Star	4	
0168.COMP	10	12:06	15:51:59	32:56:54	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-16 Observers P BerlindColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0169.m92s17	360	12:07	17:17:31.7	42:47:49	600	90	2.0	#122 Halo Star	4	
0170.COMP	10	12:13	17:17:31.7	42:47:49	600	90	2.0	#122 Halo Star	4	
0171.FLAT	30	12:15	17:17:31.7	42:47:49	600	90	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit
0172-0175.FLAT	30	12:18	17:17:31.7	42:47:49	600	90	2.0	#122 Halo Star	4	
0176.FLAT	45	12:19	17:17:31.7	42:47:49	600	90	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit
0177-0185.FLAT	45	12:27	17:17:31.7	42:47:49	600	90	2.0	#122 Halo Star	4	
0186-0195.DARK	900	14:45	17:17:31.7	42:47:49	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-17 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	22:00	17:17:31.7	42:47:49	600	90	2.0	#122 Halo Star	4	
0011-0020.BIAS	0	1:21	17:17:31.7	42:47:49	300	90	3.0	#57 Velocity S	4	
0021.FLAT	8	1:21	17:17:31.7	42:47:49	300	90	3.0	#57 Velocity S	4	lots of cirrus
0022-0030.FLAT	8	1:24	17:17:31.7	42:47:49	300	90	3.0	#57 Velocity S	4	
0031-0040.BIAS	0	1:27	17:17:31.7	42:47:49	300	90	3.0	#57 Velocity S	2	
0041-0050.FLAT	16	1:32	17:17:31.7	42:47:49	300	90	3.0	#57 Velocity S	2	
0051-0055.sky	2	1:45	06:00:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	1:46	06:00:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.HD52971	4	2:18	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0058.HD52971	4	2:18	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0059.HD52971	4	2:19	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0060.COMP	5	2:20	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0061.Hiltner600	45	2:26	06:45:12.0	+02:06:00	300	0	3.0	#56 Photometri	2	
0062.Hiltner600	45	2:27	06:45:12.0	+02:06:00	300	0	3.0	#56 Photometri	2	
0063.COMP	10	2:28	06:45:12.0	+02:06:00	300	0	3.0	#56 Photometri	2	
0064.vso49411	300	2:31	5:14:11.5	1:19:10	300	90	3.0	#112 Orion PMS	4	
0065.COMP	5	2:36	5:14:11.5	1:19:10	300	90	3.0	#112 Orion PMS	4	
0066.vso49092	720	2:37	5:13:58.3	1:03:25	300	90	3.0	#112 Orion PMS	4	
0067.COMP	5	2:50	5:13:58.3	1:03:25	300	90	3.0	#112 Orion PMS	4	
0068.vso48898	1020	2:50	5:13:51.4	1:08:53	300	90	3.0	#112 Orion PMS	4	

UT Date 2001-03-17 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0069.COMP	5	3:08	5:13:51.4	1:08:53	300	90	3.0	#112 Orion PMS	4	
0070.vso45912	900	3:08	5:11:43.0	1:19:09	300	90	3.0	#112 Orion PMS	4	seeing 2 sec+
0071.COMP	5	3:24	5:11:43.0	1:19:09	300	90	3.0	#112 Orion PMS	4	
0072.vso48526	900	3:24	5:13:35.2	1:12:42	300	90	3.0	#112 Orion PMS	4	
0073.COMP	5	3:40	5:13:35.2	1:12:42	300	90	3.0	#112 Orion PMS	4	
0074.vso48303	900	3:40	5:13:25.8	1:14:47	300	90	3.0	#112 Orion PMS	4	
0075.COMP	5	3:56	5:13:25.8	1:14:47	300	90	3.0	#112 Orion PMS	4	
0076.sn2001G	1200	4:01	09:09:33.1	+50:16:51	300	30	3.0	#2 SN Observat	2	
0077.COMP	10	4:21	09:09:33.1	+50:16:51	300	30	3.0	#2 SN Observat	2	
0078.MRK110	360	4:22	09:25:12.9	+52:17:10	300	30	3.0	#6 AGN Monitor	2	
0079.COMP	10	4:29	09:25:12.9	+52:17:10	300	30	3.0	#6 AGN Monitor	2	
0080.Feige34	90	4:30	10:39:36.7	+43:06:09	300	30	3.0	#56 Photometri	2	
0081.Feige34	90	4:32	10:39:36.7	+43:06:09	300	30	3.0	#56 Photometri	2	
0082.BIAS	0	4:36	9:00:00	32:00:00	300	30	3.0	#2 SN Observat	4	
0083.HD064488	5	4:39	7:55:54.7	39:17:12	600	30	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit
0084.HD064488	5	4:39	7:55:54.7	39:17:12	600	30	2.0	#122 Halo Star	4	tilt=430
0085.HD064488	5	4:40	7:55:54.7	39:17:12	600	30	2.0	#122 Halo Star	4	
0086.COMP	10	4:40	7:55:54.7	39:17:12	600	30	2.0	#122 Halo Star	4	
0087.RR7n36	900	4:42	8:32:26.0	39:27:23	600	90	2.0	#122 Halo Star	4	
0088.COMP	10	4:58	8:32:26.0	39:27:23	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-17 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.hs53	900	4:59	10:48:12.9	29:09:17	600	90	2.0	#122 Halo Star	4	
0090.COMP	10	5:14	10:48:12.9	29:09:17	600	90	2.0	#122 Halo Star	4	
0091.hs54	540	5:15	10:48:28.8	29:43:47	600	90	2.0	#122 Halo Star	4	
0092.COMP	10	5:24	10:48:28.8	29:43:47	600	90	2.0	#122 Halo Star	4	
0093.hs55	900	5:25	10:49:10.5	29:42:39	600	90	2.0	#122 Halo Star	4	
0094.COMP	10	5:40	10:49:10.5	29:42:39	600	90	2.0	#122 Halo Star	4	
0095.hs56	720	5:42	10:49:10.9	29:03:40	600	90	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit cont.
0096.COMP	10	5:54	10:49:10.9	29:03:40	600	90	2.0	#122 Halo Star	4	
0097.hs57	720	5:55	10:49:18.8	29:40:11	600	90	2.0	#122 Halo Star	4	
0098.COMP	10	6:08	10:49:18.8	29:40:11	600	90	2.0	#122 Halo Star	4	
0099.hs58	900	6:08	10:49:24.2	29:31:12	600	90	2.0	#122 Halo Star	4	
0100.COMP	10	6:23	10:49:24.2	29:31:12	600	90	2.0	#122 Halo Star	4	
0101.hs59	600	6:24	10:49:46.2	29:25:06	600	90	2.0	#122 Halo Star	4	
0102.COMP	10	6:35	10:49:46.2	29:25:06	600	90	2.0	#122 Halo Star	4	
0103.Feige34	120	6:35	10:39:36.7	+43:06:09	600	90	2.0	#122 Halo Star	4	
0104.Feige34	120	6:38	10:39:36.7	+43:06:09	600	90	2.0	#122 Halo Star	4	
0105.COMP	10	6:40	10:39:36.7	+43:06:09	600	90	2.0	#122 Halo Star	4	
0106.hs60	900	6:41	10:49:46.9	28:49:50	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	6:56	10:49:46.9	28:49:50	600	90	2.0	#122 Halo Star	4	
0108.hs61	480	6:57	10:50:42.3	29:43:20	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-17 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0109.COMP	10	7:06	10:50:42.3	29:43:20	600	90	2.0	#122 Halo Star	4	
0110.hs62	1200	7:06	10:51:02.1	29:04:31	600	90	2.0	#122 Halo Star	4	
0111.COMP	10	7:27	10:51:02.1	29:04:31	600	90	2.0	#122 Halo Star	4	
0112.hs63	600	7:27	10:51:17.6	29:20:33	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	7:38	10:51:17.6	29:20:33	600	90	2.0	#122 Halo Star	4	
0114.hs64	1020	7:38	10:52:35.4	29:11:04	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	7:56	10:52:35.4	29:11:04	600	90	2.0	#122 Halo Star	4	
0116.hs65	540	7:56	10:53:06.7	29:11:30	600	90	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit cont.
0117.COMP	10	8:06	10:53:06.7	29:11:30	600	90	2.0	#122 Halo Star	4	
0118.hs66	1200	8:06	10:53:09.9	29:31:04	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	8:27	10:53:09.9	29:31:04	600	90	2.0	#122 Halo Star	4	
0120.hs67	300	8:27	10:54:03.9	29:04:11	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	8:32	10:54:03.9	29:04:11	600	90	2.0	#122 Halo Star	4	
0122.hs68	900	8:33	10:54:20.1	29:16:30	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	8:49	10:54:20.1	29:16:30	600	90	2.0	#122 Halo Star	4	
0124.hs69	900	8:50	10:54:35.2	29:33:27	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	9:06	10:54:35.2	29:33:27	600	90	2.0	#122 Halo Star	4	
0126.hs70	1200	9:06	10:54:37.4	28:53:07	600	90	2.0	#122 Halo Star	4	more clouds...
0127.COMP	10	9:27	10:54:37.4	28:53:07	600	90	2.0	#122 Halo Star	4	
0128.HZ44	240	9:28	13:23:35.2	+36:07:59	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-17 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0129.COMP	10	9:32	13:23:35.2	+36:07:59	600	90	2.0	#122 Halo Star	4	
0130-0134.FLAT	30	9:35	14:00:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0135-0144.FLAT	45	9:44	14:00:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0145.BIAS	0	9:49	13:23:35.2	+36:07:59	300	90	3.0	#56 Photometri	2	300-line grating; 3-sec slit
0146.BIAS	120	9:50	13:23:35.2	+36:07:59	300	90	3.0	#56 Photometri	2	normal set-up
0147.COMP	10	9:52	13:23:35.2	+36:07:59	300	90	3.0	#56 Photometri	2	
0148.SNic4229	480	9:56	13:22:26.1	-2:25:25	300	20	3.0	#2 SN Observat	2	
0149.SNic4229	1200	10:05	13:22:26.1	-2:25:25	300	20	3.0	#2 SN Observat	2	
0150.COMP	10	10:26	13:22:26.1	-2:25:25	300	20	3.0	#2 SN Observat	2	
0151.SN2001V	1200	10:28	11:57:25.0	25:12:10	300	73	3.0	#2 SN Observat	2	
0152.COMP	10	10:48	11:57:25.0	25:12:10	300	73	3.0	#2 SN Observat	2	
0153.135342p37260_b	900	10:50	13:56:06.3	+37:12:32	300	73	3.0	#113 Galaxy In	4	
0154.COMP	5	11:06	13:56:06.3	+37:12:32	300	73	3.0	#113 Galaxy In	4	
0155.133712+31340_b	900	11:07	13:39:22.2	31:14:55	300	73	3.0	#113 Galaxy In	4	
0156.COMP	5	11:23	13:39:22.2	31:14:55	300	73	3.0	#113 Galaxy In	4	
0157.134848+38310_b	900	11:24	13:50:53.2	38:14:26	300	73	3.0	#113 Galaxy In	4	
0158.COMP	5	11:39	13:50:53.2	38:14:26	300	73	3.0	#113 Galaxy In	4	
0159.135606+25470_a	1200	11:40	13:58:23.7	25:32:59	300	73	3.0	#113 Galaxy In	4	
0160.COMP	5	12:01	13:58:23.7	25:32:59	300	73	3.0	#113 Galaxy In	4	
0161.135606+25470_b	600	12:02	13:58:38.1	25:38:04	300	73	3.0	#113 Galaxy In	4	

UT Date 2001-03-17 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0162.COMP	5	12:12	13:58:38.1	25:38:04	300	73	3.0	#113 Galaxy In	4	
0163.135818+38450_c	480	12:13	14:00:48.2	38:31:37	300	73	3.0	#113 Galaxy In	4	
0164.COMP	5	12:22	14:00:48.2	38:31:37	300	73	3.0	#113 Galaxy In	4	more clouds
0165-0174.BIAS	0	12:25	14:00:48.2	38:31:37	300	73	3.0	#2 SN Observat	4	
0175-0184.FLAT	8	12:28	14:00:48.2	38:31:37	300	73	3.0	#2 SN Observat	4	
0185-0194.BIAS	0	12:31	14:00:48.2	38:31:37	300	73	3.0	#2 SN Observat	2	
0195-0204.FLAT	16	12:36	14:00:48.2	38:31:37	300	73	3.0	#2 SN Observat	2	
0205-0214.DARK	1200	15:39	14:00:48.2	38:31:37	300	73	3.0	#2 SN Observat	2	

UT Date 2001-03-18 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	23:40	14:00:48.2	38:31:37	300	73	3.0	#2 SN Observat	4	
0011.BIAS	0	1:33	14:00:48.2	38:31:37	300	73	3.0	#2 SN Observat	4	scattered clouds
0012-0020.BIAS	0	1:34	14:00:48.2	38:31:37	300	73	3.0	#2 SN Observat	4	
0021-0030.FLAT	8	1:37	14:00:48.2	38:31:37	300	73	3.0	#2 SN Observat	4	
0031-0040.BIAS	0	1:40	14:00:48.2	38:31:37	300	73	3.0	#2 SN Observat	2	
0041-0050.FLAT	16	1:44	14:00:48.2	38:31:37	300	73	3.0	#2 SN Observat	2	
0051-0055.sky	2	1:47	6:6:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	1:48	6:6:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.HD52971	4	2:17	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	windy!
0058.HD52971	4	2:17	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0059.HD52971	4	2:18	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0060.COMP	5	2:18	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0061.Hiltner600	60	2:21	06:45:12.0	+02:06:00	300	0	3.0	#56 Photometri	2	
0062.Hiltner600	60	2:22	06:45:12.0	+02:06:00	300	0	3.0	#56 Photometri	2	
0063.COMP	10	2:23	06:45:12.0	+02:06:00	300	0	3.0	#56 Photometri	2	
0064.vso50039	600	2:27	5:14:37.7	1:04:37	300	90	3.0	#112 Orion PMS	4	
0065.COMP	5	2:37	5:14:37.7	1:04:37	300	90	3.0	#112 Orion PMS	4	
0066.vso50998	720	2:38	5:15:16.5	1:25:41	300	90	3.0	#112 Orion PMS	4	
0067.COMP	5	2:51	5:15:16.5	1:25:41	300	90	3.0	#112 Orion PMS	4	
0068.sn2001C	1200	2:57	06:59:36.1	+59:31:01	300	-5	3.0	#2 SN Observat	2	

UT Date 2001-03-18 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0069.COMP	10	3:18	06:59:36.1	+59:31:01	300	-5	3.0	#2 SN Observat	2	
0070.vso51401	720	3:22	5:15:32.9	1:24:19	300	90	3.0	#112 Orion PMS	4	
0071.COMP	5	3:34	5:15:32.9	1:24:19	300	90	3.0	#112 Orion PMS	4	
0072.vso51494	540	3:35	5:15:37.2	1:11:56	300	90	3.0	#112 Orion PMS	4	
0073.COMP	5	3:44	5:15:37.2	1:11:56	300	90	3.0	#112 Orion PMS	4	
0074.vso53694	540	3:45	5:17:03.3	1:15:37	300	90	3.0	#112 Orion PMS	4	
0075.COMP	5	3:55	5:17:03.3	1:15:37	300	90	3.0	#112 Orion PMS	4	
0076.vso61909	660	3:55	5:22:22.1	1:23:33	300	90	3.0	#112 Orion PMS	4	
0077.COMP	5	4:07	5:22:22.1	1:23:33	300	90	3.0	#112 Orion PMS	4	
0078.vso62865	720	4:07	5:22:54.8	0:56:10	300	90	3.0	#112 Orion PMS	4	big cosmic ray
0079.COMP	5	4:20	5:22:54.8	0:56:10	300	90	3.0	#112 Orion PMS	4	
0080.vso110468	900	4:20	5:50:04.8	1:15:30	300	90	3.0	#112 Orion PMS	4	
0081.COMP	5	4:36	5:50:04.8	1:15:30	300	90	3.0	#112 Orion PMS	4	
0082.BGGem	180	4:37	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0083.BGGem	900	4:41	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0084.COMP	10	4:56	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0085.Feige34	90	4:58	10:39:36.7	+43:06:09	300	62	3.0	#56 Photometri	2	
0086.Feige34	90	5:00	10:39:36.7	+43:06:09	300	62	3.0	#56 Photometri	2	
0087.COMP	10	5:02	10:39:36.7	+43:06:09	300	62	3.0	#56 Photometri	2	
0088.BIAS	0	5:03	9:35:00	32:00:00	300	62	3.0	#56 Photometri	2	

UT Date 2001-03-18 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.Feige34	120	5:09	10:39:36.7	+43:06:09	600	55	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit
0090.Feige34	120	5:11	10:39:36.7	+43:06:09	600	55	2.0	#122 Halo Star	4	tilt=430
0091.COMP	10	5:13	10:39:36.7	+43:06:09	600	55	2.0	#122 Halo Star	4	
0092.hs71	540	5:16	10:55:00.4	29:24:02	600	90	2.0	#122 Halo Star	4	
0093.COMP	10	5:25	10:55:00.4	29:24:02	600	90	2.0	#122 Halo Star	4	
0094.hs72	900	5:26	10:55:34.3	29:41:50	600	90	2.0	#122 Halo Star	4	
0095.COMP	10	5:42	10:55:34.3	29:41:50	600	90	2.0	#122 Halo Star	4	
0096.hs73	1200	5:42	10:55:43.6	29:33:44	600	90	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit cont.
0097.COMP	5	6:03	10:55:43.6	29:33:44	600	90	2.0	#122 Halo Star	4	
0098.hs74	600	6:04	10:56:25.8	29:37:56	600	90	2.0	#122 Halo Star	4	
0099.COMP	10	6:14	10:56:25.8	29:37:56	600	90	2.0	#122 Halo Star	4	
0100.hs75	900	6:15	10:56:30.8	28:54:01	600	90	2.0	#122 Halo Star	4	
0101.COMP	10	6:31	10:56:30.8	28:54:01	600	90	2.0	#122 Halo Star	4	
0102.hs76	420	6:31	10:56:55.3	29:37:40	600	90	2.0	#122 Halo Star	4	
0103.COMP	10	6:39	10:56:55.3	29:37:40	600	90	2.0	#122 Halo Star	4	
0104.hs77	900	6:39	10:57:44.2	29:11:26	600	90	2.0	#122 Halo Star	4	
0105.COMP	10	6:56	10:57:44.2	29:11:26	600	90	2.0	#122 Halo Star	4	
0106.hs78	240	6:57	10:57:52.9	29:11:24	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	7:01	10:57:52.9	29:11:24	600	90	2.0	#122 Halo Star	4	
0108.hs79	1200	7:02	10:58:22.0	29:23:11	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-18 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0109.COMP	10	7:22	10:58:22.0	29:23:11	600	90	2.0	#122 Halo Star	4	
0110.hs80	1200	7:23	10:59:18.6	28:54:36	600	90	2.0	#122 Halo Star	4	
0111.COMP	10	7:43	10:59:18.6	28:54:36	600	90	2.0	#122 Halo Star	4	
0112.hs81	300	7:44	10:59:25.4	29:39:36	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	7:49	10:59:25.4	29:39:36	600	90	2.0	#122 Halo Star	4	
0114.hs82	480	7:50	10:59:27.9	29:25:09	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	7:59	10:59:27.9	29:25:09	600	90	2.0	#122 Halo Star	4	
0116.hs83	300	8:00	10:59:43.4	29:37:00	600	90	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit cont.
0117.COMP	10	8:05	10:59:43.4	29:37:00	600	90	2.0	#122 Halo Star	4	
0118.hs84	800	8:08	11:00:05.0	28:51:31	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	8:21	11:00:05.0	28:51:31	600	90	2.0	#122 Halo Star	4	
0120.hs85	300	8:22	11:00:05.4	29:23:05	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	8:27	11:00:05.4	29:23:05	600	90	2.0	#122 Halo Star	4	
0122.hs86	900	8:28	11:00:05.4	29:25:22	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	8:43	11:00:05.4	29:25:22	600	90	2.0	#122 Halo Star	4	
0124.hs87	420	8:44	11:00:15.4	29:19:15	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	8:51	11:00:15.4	29:19:15	600	90	2.0	#122 Halo Star	4	
0126.hs88	300	8:52	11:00:21.9	29:12:17	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	8:57	11:00:21.9	29:12:17	600	90	2.0	#122 Halo Star	4	
0128.hs89	900	8:58	11:00:55.4	29:09:45	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-18 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0129.COMP	10	9:13	11:00:55.4	29:09:45	600	90	2.0	#122 Halo Star	4	
0130.hs90	360	9:14	11:01:21.3	29:17:56	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	9:20	11:01:21.3	29:17:56	600	90	2.0	#122 Halo Star	4	
0132.hs91	360	9:21	11:01:23.8	29:27:22	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	9:27	11:01:23.8	29:27:22	600	90	2.0	#122 Halo Star	4	
0134.HZ44	240	9:28	13:23:35.2	+36:07:59	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	9:33	13:23:35.2	+36:07:59	600	90	2.0	#122 Halo Star	4	
0136.hs92	300	9:34	11:01:28.2	29:09:12	600	90	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit cont.
0137.COMP	10	9:39	11:01:28.2	29:09:12	600	90	2.0	#122 Halo Star	4	
0138.hs93	300	9:40	11:01:28.2	29:10:46	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	9:45	11:01:28.2	29:10:46	600	90	2.0	#122 Halo Star	4	
0140.hs94	300	9:45	11:02:13.5	29:22:27	600	90	2.0	#122 Halo Star	4	
0141.COMP	10	9:51	11:02:13.5	29:22:27	600	90	2.0	#122 Halo Star	4	
0142.hs95	300	9:52	11:02:34.8	28:55:54	600	90	2.0	#122 Halo Star	4	
0143.COMP	10	9:57	11:02:34.8	28:55:54	600	90	2.0	#122 Halo Star	4	
0144.hs96	480	9:58	11:03:06.8	29:31:43	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	10:06	11:03:06.8	29:31:43	600	90	2.0	#122 Halo Star	4	
0146.hs96	600	10:07	11:03:06.8	29:31:43	600	90	2.0	#122 Halo Star	4	
0147.COMP	10	10:17	11:03:06.8	29:31:43	600	90	2.0	#122 Halo Star	4	
0148.HD107131	4	10:18	12:19:02.0	26:00:30	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-18 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0149.HD107131	4	10:19	12:19:02.0	26:00:30	600	90	2.0	#122 Halo Star	4	
0150.HD107131	4	10:19	12:19:02.0	26:00:30	600	90	2.0	#122 Halo Star	4	
0151.COMP	5	10:20	12:19:02.0	26:00:30	600	90	2.0	#122 Halo Star	4	
0152.HD107214	6	10:20	12:19:28.4	24:17:03	600	90	2.0	#122 Halo Star	4	
0153.HD107214	12	10:21	12:19:28.4	24:17:03	600	90	2.0	#122 Halo Star	4	
0154.HD107214	12	10:22	12:19:28.4	24:17:03	600	90	2.0	#122 Halo Star	4	
0155.COMP	10	10:22	12:19:28.4	24:17:03	600	90	2.0	#122 Halo Star	4	
0156.HD107701	15	10:23	12:22:31.3	25:49:42	600	90	2.0	#122 Halo Star	4	
0157.HD107701	15	10:25	12:22:31.3	25:49:42	600	90	2.0	#122 Halo Star	4	
0158.HD107701	15	10:25	12:22:31.3	25:49:42	600	90	2.0	#122 Halo Star	4	
0159.COMP	10	10:26	12:22:31.3	25:49:42	600	90	2.0	#122 Halo Star	4	
0160.HD107877	5	10:26	12:23:41.0	26:58:47	600	90	2.0	#122 Halo Star	4	
0161.HD107877	10	10:27	12:23:41.0	26:58:47	600	90	2.0	#122 Halo Star	4	
0162.HD107877	10	10:27	12:23:41.0	26:58:47	600	90	2.0	#122 Halo Star	4	
0163.COMP	10	10:28	12:23:41.0	26:58:47	600	90	2.0	#122 Halo Star	4	
0164.HD107935	5	10:29	12:24:03.5	25:51:04	600	90	2.0	#122 Halo Star	4	
0165.HD107935	5	10:29	12:24:03.5	25:51:04	600	90	2.0	#122 Halo Star	4	
0166.HD107935	5	10:29	12:24:03.5	25:51:04	600	90	2.0	#122 Halo Star	4	
0167.COMP	10	10:30	12:24:03.5	25:51:04	600	90	2.0	#122 Halo Star	4	
0168.BDp332642	90	10:31	15:51:59.8	+32:56:54	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-18 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0169.BDp332642	90	10:33	15:51:59.8	+32:56:54	600	90	2.0	#122 Halo Star	4	
0170.COMP	10	10:35	15:51:59.8	+32:56:54	600	90	2.0	#122 Halo Star	4	
0171-0175.FLAT	30	10:38	15:51:59.8	+32:56:54	600	90	2.0	#122 Halo Star	4	
0176-0185.FLAT	45	10:47	15:51:59.8	+32:56:54	600	90	2.0	#122 Halo Star	4	
0186.BIAS	0	10:48	15:51:59.8	+32:56:54	600	90	2.0	#122 Halo Star	4	
0187.BDp332642	60	10:51	15:51:59.8	+32:56:54	300	90	3.0	#56 Photometri	2	300-line grating; 3-sec slit
0188.BDp332642	60	10:52	15:51:59.8	+32:56:54	300	90	3.0	#56 Photometri	2	normal set-up
0189.COMP	10	10:54	15:51:59.8	+32:56:54	300	90	3.0	#56 Photometri	2	
0190.SN2001V	1200	10:56	11:57:25.0	25:12:10	300	69	3.0	#2 SN Observat	2	
0191.COMP	10	11:16	11:57:25.0	25:12:10	300	69	3.0	#2 SN Observat	2	
0192.135130+04120_a	1200	11:18	13:54:03.7	03:57:04	300	90	3.0	#113 Galaxy In	2	
0193.COMP	10	11:39	13:54:03.7	03:57:04	300	90	3.0	#113 Galaxy In	2	
0194.135130+04120_b	600	11:40	13:54:09.5	03:55:30	300	90	3.0	#113 Galaxy In	4	
0195.COMP	5	11:50	13:54:09.5	03:55:30	300	90	3.0	#113 Galaxy In	4	
0196.135818+38450_a	900	11:52	14:00:25.2	38:31:14	300	90	3.0	#113 Galaxy In	4	
0197.COMP	5	12:07	14:00:25.2	38:31:14	300	90	3.0	#113 Galaxy In	4	
0198.140112+35230_a	480	12:08	14:03:24.0	35:07:55	300	90	3.0	#113 Galaxy In	2	
0199.COMP	10	12:16	14:03:24.0	35:07:55	300	90	3.0	#113 Galaxy In	2	
0200.140112+35230_b	360	12:17	14:03:14.7	35:05:52	300	90	3.0	#113 Galaxy In	4	
0201.COMP	5	12:23	14:03:14.7	35:05:52	300	90	3.0	#113 Galaxy In	4	

UT Date 2001-03-18 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0202.N5866	240	12:24	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	clear @ dawn
0203.COMP	5	12:28	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0204-0213.BIAS	0	12:31	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0214-0223.FLAT	8	12:34	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0224-0233.BIAS	0	12:36	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	
0234-0243.FLAT	16	12:42	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	
0244-0248.DARK	1200	14:06	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	2	



WHIPPLE OBSERVATORY FAST SPECTROGRAPH LOG

File	Exp Time	UT Start	RA	Dec	Gr.	P.A. Slit	Program	Bin	Comments
0001-0005.BIAS	0	1:03	05:25:35.0	31:30:22	600	90 2.0	#70 Elliptical	3	
0006-0010.BIAS	0	1:03	05:26:23.0	31:30:23	600	90 2.0	#70 Elliptical	3	
0011-0025.FLAT	20	1:12	05:35:48.0	31:30:23	600	90 2.0	#70 Elliptical	3	
0026.hd40280	1	2:30	05:58:52.8	+25:46:37	600	90 2.0	#70 Elliptical	3	
0027.2473	1	2:32	05:58:52.8	+25:46:37	600	90 2.0	#70 Elliptical	3	
0029.HD40280	1	2:40	05:58:54.0	25:46:37	600	90 2.0	#70 Elliptical	3	
0030.HD40280	60	2:47	05:58:53.0	25:46:24	600	90 1.5	#70 Elliptical	3	
0031.HD40280	120	2:50	05:58:49.0	25:46:44	600	90 1.5	#70 Elliptical	3	
0032.COMP	10	2:54	05:58:48.0	25:46:45	600	90 1.5	#70 Elliptical	3	
0033.PG0823	300	3:02	08:23:1.0	+54:37:58	600	90 1.5	#70 Elliptical	3	
0034.COMP	10	3:07	08:23:1.0	+54:37:58	600	90 1.5	#70 Elliptical	3	
0035.HR3431	120	3:13	08:40:01.5	-12:28:31	600	90 1.5	#70 Elliptical	3	
0036.COMP	10	3:16	08:40:01.5	-12:28:31	600	90 1.5	#70 Elliptical	3	vel std
0037.I598	300	3:49	10:12:48.6	43:08:42	600	8 1.5	#70 Elliptical	3	
0038.COMP	10	3:58	10:12:48.6	43:08:42	600	8 1.5	#70 Elliptical	3	
0039.I598	1800	3:59	10:12:48.6	43:08:42	600	8 1.5	#70 Elliptical	3	
0040.COMP	10	4:30	10:12:48.6	43:08:42	600	8 1.5	#70 Elliptical	3	
0041.I598	1800	4:30	10:12:48.6	43:08:42	600	8 1.5	#70 Elliptical	3	
0042.COMP	10	5:02	10:12:48.6	43:08:42	600	8 1.5	#70 Elliptical	3	
0043.HD106296	120	5:06	12:17:44.3	15:08:40	600	8 1.5	#70 Elliptical	3	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG

UT Date 2001-03-19 Observers J. Hinz, N. Caldwell

Coll. Focus 1000 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A. Slit	Program	Bin	Comments
HD106296	120	5:06	12:17:44.3	15:08:40	600	8 1.5	#70f Elliptica	1	
0601.COMP	10	5:10	12:17:44.3	15:08:40	600	8 1.5	#70f Elliptica	3	
0602.COMP	10	5:18	12:26:50.5	09:35:02	600	8 1.5	#70f Elliptica	3	
0603.VCG944	1800	5:20	12:26:50.5	09:35:02	600	50 1.5	#70f Elliptica	3	
0604.COMP	10	5:51	12:26:50.5	09:35:02	600	50 1.5	#70f Elliptica	3	
0048.VCG944	20	6:00	12:26:50.5	09:35:02	600	50 1.5	#70f Elliptica	2	nucleus at dge of slit, changed readout format after this
0049.COMP	10	6:03	12:26:50.5	09:35:02	600	50 1.5	#70f Elliptica	2	
0050.VCG944	1800	6:03	12:26:50.5	09:35:02	600	50 1.5	#70f Elliptica	2	
0051.COMP	10	6:34	12:26:50.5	09:35:02	600	50 1.5	#70f Elliptica	2	
0052.VCG944	1800	6:37	12:26:50.5	09:35:02	600	50 1.5	#70f Elliptica	2	
0053.VCG944	1800	7:07	12:26:50.5	09:35:02	600	50 1.5	#70f Elliptica	2	
0054.VCG944	1800	7:38	12:26:50.5	09:35:02	600	50 1.5	#70f Elliptica	2	
0055.COMP	10	8:08	12:26:50.5	09:35:02	600	50 1.5	#70f Elliptica	2	
0056.HD108471	120	8:12	12:27:42.1	08:36:37	600	50 1.5	#70f Elliptica	2	
0057.COMP	10	8:16	12:27:42.1	08:36:37	600	50 1.5	#70f Elliptica	2	
0058.COMP	10	8:22	12:28:43.4	11:45:21	600	50 1.5	#70f Elliptica	2	windy; variable seeing
0059.VCG125	1800	8:26	12:28:43.4	11:45:21	600	32 1.5	#70f Elliptica	2	
0060.COMP	10	8:56	12:28:43.4	11:45:21	600	32 1.5	#70f Elliptica	2	
0061.VCG125	1800	8:57	12:28:43.4	11:45:21	600	32 1.5	#70f Elliptica	2	
0062.COMP	10	9:28	12:28:43.4	11:45:21	600	32 1.5	#70f Elliptica	2	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG

UT Date 2001-03-19 Observers J. Hinz, N. Caldwell

Coll. Focus 1000 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A. Slit	Program	Bin	Comments
0063.VCG1125	1800	9:28	12:28:43.4	11:45:21	600	32 1.5	#70f Elliptica	2	
0064.COMP	10	9:59	12:28:43.4	11:45:21	600	32 1.5	#70f Elliptica	2	
0065.COMP	10	10:06	12:29:53.3	14:04:06	600	32 1.5	#70f Elliptica	2	
0066.VCG1242	1800	10:09	12:29:53.3	14:04:06	600	79 1.5	#70f Elliptica	2	
0067.COMP	10	10:40	12:29:53.3	14:04:06	600	79 1.5	#70f Elliptica	2	
0068.VCG1242	1800	10:41	12:29:53.3	14:04:06	600	79 1.5	#70f Elliptica	2	
0069.COMP	10	11:11	12:29:53.3	14:04:06	600	79 1.5	#70f Elliptica	2	
0070.COMP	10	11:24	14:00:42.0	55:09:52	600	79 1.5	#70f Elliptica	2	
0071.N5422	1800	11:25	14:00:42.0	55:09:52	600	-29 1.5	#70f Elliptica	2	
0072.COMP	10	11:55	14:00:42.0	55:09:52	600	-29 1.5	#70f Elliptica	2	
0073.N5422	1800	11:56	14:00:42.0	55:09:52	600	-29 1.5	#70f Elliptica	2	
0074.COMP	10	12:27	14:00:42.0	55:09:52	600	-29 1.5	#70f Elliptica	2	
0075.HR6563	120	12:30	17:35:42.4	37:18:05	600	-29 1.5	#70f Elliptica	2	
0076.COMP	10	12:33	17:35:42.4	37:18:05	600	-29 1.5	#70f Elliptica	2	
0077.HR6592	120	12:38	17:41:05.5	24:30:47	600	-29 1.5	#70f Elliptica	2	
0078.COMP	10	12:41	17:41:05.5	24:30:47	600	-29 1.5	#70f Elliptica	2	
0079-0088.BIAS	0	13:04	17:41:05.5	24:30:47	600	-29 1.5	#70f Elliptica	2	
0089-0103.FLAT	20	13:13	17:41:05.5	24:30:47	600	-29 1.5	#70f Elliptica	2	

UT Date 2001-03-20 Observers J. Hinz, N. CaldwellColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.BIAS	0	1:56	06:40:00	32:00:00	600	-29	1.5	#70f Elliptica	2	
0011.BIAS	2	1:56	06:40:00	32:00:00	600	-29	1.5	#70f Elliptica	2	
0012.skyflat	30	1:57	06:40:00	32:00:00	600	90	1.5	#70f Elliptica	2	
0013.skyflat	30	1:58	06:40:00	32:00:00	600	90	1.5	#70f Elliptica	2	
0014.skyflat	40	1:59	06:40:00	32:00:00	600	90	1.5	#70f Elliptica	2	
0015.skyflat	50	2:00	06:40:00	32:00:00	600	90	1.5	#70f Elliptica	2	
0016.skyflat	50	2:01	06:40:00	32:00:00	600	90	1.5	#70f Elliptica	2	
0017.skyflat	60	2:02	06:40:00	32:00:00	600	90	1.5	#70f Elliptica	2	
0018-0032.FLAT	20	2:12	06:40:00	32:00:00	600	90	1.5	#70f Elliptica	2	
0033.FLAT	120	2:17	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	
0034.hd40280	120	2:29	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	
0035.COMP	10	2:32	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	
0036.HR3431	120	2:35	08:40:01.5	-12:28:31	600	90	1.5	#70f Elliptica	2	
0037.COMP	10	2:38	08:40:01.5	-12:28:31	600	90	1.5	#70f Elliptica	2	
0038.PG0823p546	300	2:44	08:23:01.0	54:37:58	600	90	1.5	#56 Spectropho	2	
0039.COMP	10	2:50	08:23:01.0	54:37:58	600	90	1.5	#56 Spectropho	2	
0040.I598	1800	3:03	10:12:48.6	43:08:42	600	7	1.5	#70f Elliptica	2	
0041.COMP	10	3:33	10:12:48.6	43:08:42	600	7	1.5	#70f Elliptica	2	
0042.COMP	10	3:47	11:06:32.1	11:23:08	600	7	1.5	#70f Elliptica	2	
0043.N3524	1800	3:48	11:06:32.1	11:23:08	600	16	1.5	#70f Elliptica	2	

UT Date 2001-03-20 Observers J. Hinz, N. CaldwellColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0044.COMP	10	4:19	11:06:32.1	11:23:08	600	16	1.5	#70f Elliptica	2	
0045.N3524	1800	4:19	11:06:32.1	11:23:08	600	16	1.5	#70f Elliptica	2	
0046.COMP	10	4:50	11:06:32.1	11:23:08	600	16	1.5	#70f Elliptica	2	
0047.COMP	10	4:56	12:28:43.4	11:45:21	600	16	1.5	#70f Elliptica	2	
0048.VCC1125	1800	4:57	12:28:43.4	11:45:21	600	32	1.5	#70f Elliptica	2	
0049.COMP	10	5:28	12:28:43.4	11:45:21	600	32	1.5	#70f Elliptica	2	
0050.COMP	10	5:36	12:29:53.3	14:04:06	600	32	1.5	#70f Elliptica	2	
0051.VCC1242	1800	5:37	12:29:53.3	14:04:06	600	79	1.5	#70f Elliptica	2	
0052.COMP	10	6:08	12:29:53.3	14:04:06	600	79	1.5	#70f Elliptica	2	
0053.VCC1242	1800	6:09	12:29:53.3	14:04:06	600	79	1.5	#70f Elliptica	2	
0054.COMP	10	6:40	12:29:53.3	14:04:06	600	79	1.5	#70f Elliptica	2	
0055.COMP	10	6:46	12:30:51.4	08:21:36	600	79	1.5	#70f Elliptica	2	
0056.VCC1318	1800	6:50	12:30:51.4	08:21:36	600	-31	1.5	#70f Elliptica	2	
0057.COMP	10	7:21	12:30:51.4	08:21:36	600	-31	1.5	#70f Elliptica	2	
0058.VCC1318	1800	7:22	12:30:51.4	08:21:36	600	-31	1.5	#70f Elliptica	2	
0059.COMP	10	7:52	12:30:51.4	08:21:36	600	-31	1.5	#70f Elliptica	2	
0060.VCC1318	1800	7:53	12:30:51.4	08:21:36	600	-31	1.5	#70f Elliptica	2	
0061.COMP	10	8:24	12:30:51.4	08:21:36	600	-31	1.5	#70f Elliptica	2	
0062.VCC1318	1800	8:27	12:30:51.4	08:21:36	600	-31	1.5	#70f Elliptica	2	
0063.COMP	10	8:57	12:30:51.4	08:21:36	600	-31	1.5	#70f Elliptica	2	

UT Date 2001-03-20 Observers J. Hinz, N. CaldwellColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0064.COMP	10	9:04	12:42:47.4	11:26:33	600	-31	1.5	#70f Elliptica	2	
0065.VCC1938	1800	9:06	12:42:47.4	11:26:33	600	-57	1.5	#70f Elliptica	2	
0066.COMP	10	9:36	12:42:47.4	11:26:33	600	-57	1.5	#70f Elliptica	2	
0067.VCC1938	1800	9:37	12:42:47.4	11:26:33	600	-57	1.5	#70f Elliptica	2	
0068.COMP	10	10:07	12:42:47.4	11:26:33	600	-57	1.5	#70f Elliptica	2	
0069.VCC1938	1800	10:08	12:42:47.4	11:26:33	600	-57	1.5	#70f Elliptica	2	
0070.COMP	10	10:39	12:42:47.4	11:26:33	600	-57	1.5	#70f Elliptica	2	
0071.VCC1938	1800	10:40	12:42:47.4	11:26:33	600	-57	1.5	#70f Elliptica	2	
0072.COMP	10	11:10	12:42:47.4	11:26:33	600	-57	1.5	#70f Elliptica	2	
0073.COMP	10	11:20	14:00:42.0	55:09:52	600	-57	1.5	#70f Elliptica	2	
0074.N5422	1800	11:21	14:00:42.0	55:09:52	600	-28	1.5	#70f Elliptica	2	
0075.COMP	10	11:51	14:00:42.0	55:09:52	600	-28	1.5	#70f Elliptica	2	
0076.COMP	10	11:56	17:35:42.4	37:18:05	600	-28	1.5	#70f Elliptica	2	
0077.HR6563	120	11:57	17:35:42.4	37:18:05	600	-28	1.5	#70f Elliptica	2	
0078.COMP	10	12:02	17:41:05.5	24:30:47	600	90	1.5	#70f Elliptica	2	
0079.HR6592	120	12:02	17:41:05.5	24:30:47	600	90	1.5	#70f Elliptica	2	
0080.PG1708p602	300	12:07	17:08:35.9	60:13:52	600	90	1.5	#56 Spectropho	2	
0081.COMP	10	12:13	17:08:35.9	60:13:52	600	90	1.5	#56 Spectropho	2	
0082-0091.BIAS	0	12:16	17:08:35.9	60:13:52	600	90	1.5	#70f Elliptica	2	
0092-0106.FLAT	20	12:25	17:08:35.9	60:13:52	600	90	1.5	#70f Elliptica	2	

UT Date 2001-03-21 Observers J. Hinz, N. CaldwellColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.BIAS	0	1:55	06:25:39.0	31:30:27	600	90	1.5	#70f Elliptica	2	
0011-0025.FLAT	20	1:57	06:28:50.0	31:30:27	600	90	1.5	#70f Elliptica	2	
0026.HD40280	120	2:14	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	low counts
0027.COMP	10	2:18	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	
0028.HD40280	240	2:21	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	high clouds
0029.COMP	10	2:27	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	
0030.HR3431	240	2:29	08:40:01.5	-12:28:31	600	90	1.5	#70f Elliptica	2	
0031.COMP	10	2:29	08:40:01.5	-12:28:31	600	90	1.5	#70f Elliptica	2	
0032.PG0823p546	300	2:39	08:23:01.0	54:37:58	600	90	1.5	#56 Spectropho	2	
0033.COMP	10	2:44	08:23:01.0	54:37:58	600	90	1.5	#56 Spectropho	2	
0034.COMP	10	2:55	10:04:31.7	60:06:29	600	90	1.5	#70f Elliptica	2	
0035.N3102	1800	2:56	10:04:31.7	60:06:29	600	47	1.5	#70f Elliptica	2	
0036.COMP	10	3:28	10:04:31.7	60:06:29	600	47	1.5	#70f Elliptica	2	
0037.COMP	10	5:01	12:34:06.1	11:19:17	600	47	1.5	#70f Elliptica	2	
0038.VCC1537	1800	5:03	12:34:06.1	11:19:17	600	5	1.5	#70f Elliptica	2	
0038.COMP	10	5:33	12:34:06.1	11:19:17	600	5	1.5	#70f Elliptica	2	
0040.VCC1537	1800	5:03	12:34:06.1	11:19:17	600	5	1.5	#70f Elliptica	2	
0041.COMP	10	6:05	12:34:06.1	11:19:17	600	5	1.5	#70f Elliptica	2	
0042.VCC1537	1800	6:06	12:34:06.1	11:19:17	600	5	1.5	#70f Elliptica	2	
0043.COMP	10	6:36	12:34:06.1	11:19:17	600	5	1.5	#70f Elliptica	2	

UT Date 2001-03-21 Observers J. Hinz, N. CaldwellColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0044.VCC1537	1800	6:37	12:34:06.1	11:19:17	600	5	1.5	#70f Elliptica	2	
0045.COMP	10	7:08	12:34:06.1	11:19:17	600	5	1.5	#70f Elliptica	2	
0046.COMP	10	7:19	12:34:03.1	07:41:59	600	5	1.5	#70f Elliptica	2	
0047.VCC1535	1800	7:22	12:34:03.1	07:41:59	600	-65	1.5	#70f Elliptica	2	
0048.COMP	10	7:52	12:34:03.1	07:41:59	600	-65	1.5	#70f Elliptica	2	
0049.VCC1535	1800	7:54	12:34:03.1	07:41:59	600	-65	1.5	#70f Elliptica	2	
0050.COMP	10	8:24	12:34:03.1	07:41:59	600	-65	1.5	#70f Elliptica	2	
0051.VCC1535	1800	8:25	12:34:03.1	07:41:59	600	-65	1.5	#70f Elliptica	2	
0052.COMP	10	8:55	12:34:03.1	07:41:59	600	-65	1.5	#70f Elliptica	2	
0051.VCC1535	1800	8:57	12:34:03.1	07:41:59	600	-65	1.5	#70f Elliptica	2	
0054.COMP	10	9:27	12:34:03.1	07:41:59	600	-65	1.5	#70f Elliptica	2	
0055.COMP	10	9:33	12:24:05.0	11:13:06	600	-65	1.5	#70f Elliptica	2	
0056.VCC698	1800	9:34	12:24:05.0	11:13:06	600	-80	1.5	#70f Elliptica	2	
0057.COMP	10	10:05	12:24:05.0	11:13:06	600	-80	1.5	#70f Elliptica	2	
0056.VCC698	1800	10:06	12:24:05.0	11:13:06	600	-80	1.5	#70f Elliptica	2	
0059.COMP	10	10:36	12:24:05.0	11:13:06	600	-80	1.5	#70f Elliptica	2	
0060.VCC698	1800	10:37	12:24:05.0	11:13:06	600	-80	1.5	#70f Elliptica	2	
0061.COMP	10	11:07	12:24:05.0	11:13:06	600	-80	1.5	#70f Elliptica	2	
0062.COMP	10	11:13	14:00:42.0	55:09:52	600	-80	1.5	#70f Elliptica	2	
0063.N5422	1800	11:17	14:00:42.0	55:09:52	600	-27	1.5	#70f Elliptica	2	

UT Date 2001-03-21 Observers J. Hinz, N. CaldwellColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0064.COMP	1800	11:48	14:00:42.0	55:09:52	600	-27	1.5	#70f Elliptica	2	
0065.N5422	1800	11:48	14:00:42.0	55:09:52	600	-27	1.5	#70f Elliptica	2	
0066.COMP	10	12:19	14:00:42.0	55:09:52	600	-27	1.5	#70f Elliptica	2	
0067.COMP	10	12:24	17:35:42.4	37:18:05	600	-27	1.5	#70f Elliptica	2	
0068.HR6563	10	12:25	17:35:42.4	37:18:05	600	-27	1.5	#70f Elliptica	2	
0069.COMP	10	12:29	17:42:28.3	24:33:50	600	90	1.5	#70f Elliptica	2	
0070.HR6602	120	12:30	17:42:28.3	24:33:50	600	90	1.5	#70f Elliptica	2	
0071-0080.BIAS	0	12:35	17:42:28.3	24:33:50	600	90	1.5	#70f Elliptica	2	
0081-0095.FLAT	20	12:44	17:42:28.3	24:33:50	600	90	1.5	#70f Elliptica	2	

UT Date 2001-03-22 Observers J. Hinz, N. CaldwellColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.BIAS	0	23:59	02:05:21.3	13:22:18	600	90	1.5	#70f Elliptica	2	
0011-0025.FLAT	20	0:08	02:05:21.3	13:22:18	600	90	1.5	#70f Elliptica	2	
0026.SKYFLAT	30	1:42	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	some clouds on horizon
0027.SKYFLAT	30	1:44	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	
0028.SKYFLAT	20	1:46	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	
0029.SKYFLAT	10	1:47	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	
0030.SKYFLAT	30	1:56	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	
0031.HD40280	120	2:01	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	
0032.HD40280	120	2:12	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	
0033.HD40280	240	2:17	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	
0034.COMP	10	2:22	05:58:52.9	+25:46:37	600	90	1.5	#70f Elliptica	2	
0035.HR3431	240	2:24	08:40:01.5	-12:28:31	600	90	1.5	#70f Elliptica	2	
0036.COMP	10	2:30	08:40:01.5	-12:28:31	600	90	1.5	#70f Elliptica	2	
0037.PG0823p546	300	2:33	08:23:01.0	54:37:58	600	90	1.5	#56 Spectropho	2	
0038.COMP	10	2:39	08:23:01.0	54:37:58	600	90	1.5	#56 Spectropho	2	
0039.COMP	10	2:45	10:04:31.7	60:06:29	600	90	1.5	#70f Elliptica	2	
0040.N3102	1800	2:48	10:04:31.7	60:06:29	600	46	1.5	#70f Elliptica	2	
0041.COMP	10	3:19	10:04:31.7	60:06:29	600	46	1.5	#70f Elliptica	2	
0042.N3102	1800	3:20	10:04:31.7	60:06:29	600	46	1.5	#70f Elliptica	2	
0043.COMP	10	3:50	10:04:31.7	60:06:29	600	46	1.5	#70f Elliptica	2	

UT Date 2001-03-22 Observers J. Hinz, N. CaldwellColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0044.N3102	1800	3:51	10:04:31.7	60:06:29	600	46	1.5	#70f Elliptica	2	
0045.COMP	10	4:22	10:04:31.7	60:06:29	600	46	1.5	#70f Elliptica	2	
0046.COMP	10	4:26	11:55:03.1	08:26:38	600	46	1.5	#70f Elliptica	2	
0047.HD103484	240	4:28	11:55:03.1	08:26:38	600	90	1.5	#70f Elliptica	2	
0048.COMP	10	4:36	12:17:44.3	15:08:40	600	90	1.5	#70f Elliptica	2	
0049.HD106296	240	4:37	12:17:44.3	15:08:40	600	90	1.5	#70f Elliptica	2	
0050.COMP	10	4:48	12:24:05.0	11:13:06	600	90	1.5	#70f Elliptica	2	
0051.VCC698	1800	4:50	12:24:05.0	11:13:06	600	-81	1.5	#70f Elliptica	2	
0052.COMP	10	5:20	12:24:05.0	11:13:06	600	-81	1.5	#70f Elliptica	2	
0053.COMP	10	5:29	12:27:40.5	13:04:44	600	-81	1.5	#70f Elliptica	2	
0054.VCC1030	1800	5:31	12:27:40.5	13:04:44	600	11	1.5	#70f Elliptica	2	
0055.COMP	10	6:02	12:27:40.5	13:04:44	600	11	1.5	#70f Elliptica	2	clouds moving in
0056.VCC1030	1800	6:05	12:27:40.5	13:04:44	600	11	1.5	#70f Elliptica	2	
0057.COMP	10	6:35	12:27:40.5	13:04:44	600	11	1.5	#70f Elliptica	2	
0058.VCC1030	1800	6:36	12:27:40.5	13:04:44	600	11	1.5	#70f Elliptica	2	
0059.COMP	10	7:06	12:27:40.5	13:04:44	600	11	1.5	#70f Elliptica	2	
0060.VCC1030	1800	7:07	12:27:40.5	13:04:44	600	11	1.5	#70f Elliptica	2	clearing
0061.COMP	10	7:38	12:27:40.5	13:04:44	600	11	1.5	#70f Elliptica	2	
0062.COMP	10	7:49	12:28:03.9	09:48:14	600	11	1.5	#70f Elliptica	2	
0063.VCC1062	1800	7:51	12:28:03.9	09:48:14	600	83	1.5	#70f Elliptica	2	

UT Date 2001-03-22 Observers J. Hinz, N. CaldwellColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0064.COMP	10	8:22	12:28:03.9	09:48:14	600	83	1.5	#70f Elliptica	2	
0065.VCC1062	1800	8:24	12:28:03.9	09:48:14	600	83	1.5	#70f Elliptica	2	
0066.COMP	10	8:54	12:28:03.9	09:48:14	600	83	1.5	#70f Elliptica	2	
0067.VCC1062	1800	8:55	12:28:03.9	09:48:14	600	83	1.5	#70f Elliptica	2	
0068.COMP	10	9:26	12:28:03.9	09:48:14	600	83	1.5	#70f Elliptica	2	
0069.VCC1062	1800	9:27	12:28:03.9	09:48:14	600	83	1.5	#70f Elliptica	2	
0070.COMP	10	9:57	12:28:03.9	09:48:14	600	83	1.5	#70f Elliptica	2	
0071.COMP	10	10:02	13:12:08.4	24:15:28	600	83	1.5	#70f Elliptica	2	
0072.HR4984	240	10:03	13:12:08.4	24:15:28	600	90	1.5	#70f Elliptica	2	
0073.COMP	10	10:13	13:56:58.0	45:58:22	600	90	1.5	#70f Elliptica	2	
0074.UGC0887	1800	10:15	13:56:58.0	45:58:22	600	19	1.5	#70f Elliptica	2	
0075.COMP	10	10:46	13:56:58.0	45:58:22	600	19	1.5	#70f Elliptica	2	
0076.UGC0887	1800	10:48	13:56:58.0	45:58:22	600	19	1.5	#70f Elliptica	2	
0077.COMP	10	11:18	13:56:58.0	45:58:22	600	19	1.5	#70f Elliptica	2	
0078.UGC0887	1800	11:20	13:56:58.0	45:58:22	600	19	1.5	#70f Elliptica	2	
0079.COMP	10	11:50	13:56:58.0	45:58:22	600	19	1.5	#70f Elliptica	2	
0080.UGC0887	1800	11:51	13:56:58.0	45:58:22	600	19	1.5	#70f Elliptica	2	
0081.COMP	10	12:21	13:56:58.0	45:58:22	600	19	1.5	#70f Elliptica	2	
0082.COMP	10	12:27	17:42:28.3	24:33:50	600	19	1.5	#70f Elliptica	2	
0083.HR6602	240	12:28	17:42:28.3	24:33:50	600	90	1.5	#70f Elliptica	2	

UT Date 2001-03-22 Observers J. Hinz, N. CaldwellColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0084-0093.BIAS	0	12:36	17:42:28.3	24:33:50	600	90	1.5	#70f Elliptica	2	
0094-0108.FLAT	20	12:46	17:42:28.3	24:33:50	600	90	1.5	#70f Elliptica	2	

UT Date 2001-03-23 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	1200	21:22	02:20:11.0	31:30:14	300	90	3.0	#70f Elliptica	4	
0002-0003.DARK	1200	22:02	03:00:37.0	31:30:15	300	90	3.0	#70f Elliptica	4	
0004-0005.DARK	1200	22:43	03:41:03.0	31:30:16	300	90	3.0	#70f Elliptica	4	
0006.DARK	1200	23:03	04:01:18.0	31:30:17	300	90	3.0	#70f Elliptica	4	
0007.DARK	1200	23:23	04:21:29.0	31:30:18	300	90	3.0	#70f Elliptica	4	
0008.DARK	1200	23:43	04:41:44.0	31:30:20	300	90	3.0	#70f Elliptica	4	
0009.DARK	1200	0:03	05:01:54.0	31:30:21	300	90	3.0	#70f Elliptica	4	
0010.DARK	1200	0:23	05:22:09.0	31:30:22	300	90	3.0	#70f Elliptica	4	
0011-0020.BIAS	0	0:56	05:35:09.0	31:30:23	300	90	3.0	#70f Elliptica	4	
0021-0026.FLAT	8	1:02	05:40:33.0	31:30:23	300	90	3.0	#70f Elliptica	4	
0027-0030.FLAT	8	1:03	05:41:47.0	31:30:24	300	90	3.0	#70f Elliptica	4	
0031.BIAS	0	1:05	05:43:45.0	31:30:24	300	90	3.0	#70f Elliptica	2	binby2
0032-0040.BIAS	0	1:07	05:46:04.0	31:30:24	300	90	3.0	#70f Elliptica	2	
0041.FLAT	16	1:08	05:46:52.0	31:30:24	300	90	3.0	#70f Elliptica	2	light cirrus to W
0042-0050.FLAT	16	1:13	05:51:43.0	31:30:24	300	90	3.0	#70f Elliptica	2	
0051.sky	8	2:08	06:46:32.0	31:30:29	300	90	3.0	#0f	4	binby4
0052.sky	12	2:08	06:47:12.0	31:30:29	300	90	3.0	#0f	4	
0053-0054.sky	15	2:10	06:49:16.0	31:30:29	300	90	3.0	#0f	4	
0055.sky	20	2:11	06:49:54.0	31:30:29	300	90	3.0	#0f	4	
0056.COMP	5	2:11	06:50:30.0	31:30:29	300	90	3.0	#0f	4	

UT Date 2001-03-23 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.HD52971	2	2:20	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0058.COMP	5	2:21	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0059.N3227	90	2:28	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0060.N3227	90	2:31	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0061.N3227	90	2:33	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0062.COMP	5	2:35	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	4	
0063.MRK110	360	2:37	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	4	
0064.COMP	5	2:44	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	4	
0065.BGGem	180	2:46	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	binby2
0066.BGGem	900	2:50	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0067.COMP	12	3:05	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0068.vso63648	600	3:07	5:23:13.6	1:15:57	300	90	3.0	#112 Orion PMS	4	binby4
0069.COMP	5	3:17	5:23:13.6	1:15:57	300	90	3.0	#112 Orion PMS	4	
0070.vso64122	600	3:18	5:23:29.3	1:03:15	300	90	3.0	#112 Orion PMS	4	
0071.COMP	5	3:29	5:23:29.3	1:03:15	300	90	3.0	#112 Orion PMS	4	
0072.vso66337	600	3:30	5:24:57.9	1:01:55	300	90	3.0	#112 Orion PMS	4	
0073.COMP	5	3:40	5:24:57.9	1:01:55	300	90	3.0	#112 Orion PMS	4	
0074.vso67358	480	3:41	5:25:26.2	1:11:14	300	90	3.0	#112 Orion PMS	4	
0075.COMP	5	3:50	5:25:26.2	1:11:14	300	90	3.0	#112 Orion PMS	4	
0076.vso68624	600	3:51	5:26:15.4	1:08:57	300	90	3.0	#112 Orion PMS	4	

UT Date 2001-03-23 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0077.COMP	5	4:01	5:26:15.4	1:08:57	300	90	3.0	#112 Orion PMS	4	
0078.vso69922	360	4:02	5:27:03.8	1:24:14	300	90	3.0	#112 Orion PMS	4	
0079.COMP	5	4:08	5:27:03.8	1:24:14	300	90	3.0	#112 Orion PMS	4	
0080.vso72029	480	4:10	5:28:14.6	1:25:25	300	90	3.0	#112 Orion PMS	4	
0081.COMP	5	4:18	5:28:14.6	1:25:25	300	90	3.0	#112 Orion PMS	4	
0082.vso111798	720	4:19	5:50:57.7	0:58:11	300	90	3.0	#112 Orion PMS	4	
0083.COMP	5	4:32	5:50:57.7	0:58:11	300	90	3.0	#112 Orion PMS	4	
0084.vso112052	1200	4:33	5:51:07.2	1:14:55	300	90	3.0	#112 Orion PMS	4	
0085.COMP	5	4:53	5:51:07.2	1:14:55	300	90	3.0	#112 Orion PMS	4	
0086.SN2001af	1200	4:59	09:50:28.7	-21:48:30	300	-5	3.0	#2 SN Observat	2	binby2; Type II??
0087.COMP	12	5:19	09:50:28.7	-21:48:30	300	-5	3.0	#2 SN Observat	2	
0088.SN2001V	1200	5:28	11:57:25.0	25:12:10	300	-69	3.0	#2 SN Observat	2	
0089.COMP	12	5:48	11:57:25.0	25:12:10	300	-69	3.0	#2 SN Observat	2	
0090.Feige34	90	5:54	10:36:41.2	43:21:50	300	-69	3.0	#56 Spectropho	2	angle=0 (wrong in header)
0091.COMP	12	5:56	10:36:41.2	43:21:50	300	-69	3.0	#56 Spectropho	2	
0092.Feige34	90	5:57	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	4	
0093.COMP	5	5:59	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	4	
0094.MRK421	300	6:01	11:04:27.4	+38:12:32	300	40	3.0	#6 AGN Monitor	4	binby4
0095.COMP	5	6:07	11:04:27.4	+38:12:32	300	40	3.0	#6 AGN Monitor	4	
0096.hs98	1080	6:17	11:03:55.8	29:37:48	600	90	2.0	#122 Halo Star	4	600 gpm grating 2-as slit

UT Date 2001-03-23 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0097.COMP	10	6:36	11:03:55.8	29:37:48	600	90	2.0	#122 Halo Star	4	tilt=430
0098.hs99	780	6:37	11:04:09.8	29:27:20	600	90	2.0	#122 Halo Star	4	
0099.COMP	10	6:50	11:04:09.8	29:27:20	600	90	2.0	#122 Halo Star	4	
0100.hs100	360	6:52	11:04:13.4	29:08:08	600	90	2.0	#122 Halo Star	4	
0101.COMP	10	6:58	11:04:13.4	29:08:08	600	90	2.0	#122 Halo Star	4	
0102.hs101	780	6:59	11:04:38.2	29:17:43	600	90	2.0	#122 Halo Star	4	
0103.COMP	10	7:12	11:04:38.2	29:17:43	600	90	2.0	#122 Halo Star	4	
0104.hs102	780	7:13	11:04:40.4	28:44:03	600	90	2.0	#122 Halo Star	4	
0105.COMP	10	7:27	11:04:40.4	28:44:03	600	90	2.0	#122 Halo Star	4	
0106.hs103	420	7:28	11:06:45.3	29:17:15	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	7:35	11:06:45.3	29:17:15	600	90	2.0	#122 Halo Star	4	
0108.hs104	960	7:36	11:07:16.6	29:33:50	600	90	2.0	#122 Halo Star	4	
0109.COMP	10	7:53	11:07:16.6	29:33:50	600	90	2.0	#122 Halo Star	4	
0110.hs105	480	7:54	11:07:27.1	29:24:11	600	90	2.0	#122 Halo Star	4	
0111.COMP	10	8:02	11:07:27.1	29:24:11	600	90	2.0	#122 Halo Star	4	
0112.hs106	1020	8:03	11:07:37.2	29:14:22	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	8:21	11:07:37.2	29:14:22	600	90	2.0	#122 Halo Star	4	
0114.hs107	360	8:22	11:07:44.4	29:17:42	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	8:28	11:07:44.4	29:17:42	600	90	2.0	#122 Halo Star	4	
0116.hs108	1080	8:29	11:08:46.6	28:51:43	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-23 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0117.COMP	10	8:48	11:08:46.6	28:51:43	600	90	2.0	#122 Halo Star	4	
0118.hs109	780	8:48	11:09:39.2	29:29:07	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	9:02	11:09:39.2	29:29:07	600	90	2.0	#122 Halo Star	4	
0120.hs110	850	9:03	11:11:03.1	29:04:11	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	9:17	11:11:03.1	29:04:11	600	90	2.0	#122 Halo Star	4	
0122.HD108007	5	9:19	12:24:26.8	25:34:56	600	90	2.0	#122 Halo Star	4	
0123.HD108007	5	9:19	12:24:26.8	25:34:56	600	90	2.0	#122 Halo Star	4	
0124.HD108007	5	9:20	12:24:26.8	25:34:56	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	9:20	12:24:26.8	25:34:56	600	90	2.0	#122 Halo Star	4	
0126.HD108154	5	9:21	12:25:22.5	23:13:44	600	90	2.0	#122 Halo Star	4	
0127.HD108154	5	9:22	12:25:22.5	23:13:44	600	90	2.0	#122 Halo Star	4	
0128.HD108154	5	9:22	12:25:22.5	23:13:44	600	90	2.0	#122 Halo Star	4	
0129.COMP	10	9:23	12:25:22.5	23:13:44	600	90	2.0	#122 Halo Star	4	
0130.HD108382	1	9:24	12:26:59.3	26:49:32	600	90	2.0	#122 Halo Star	4	
0131.HD108382	1	9:25	12:26:59.3	26:49:32	600	90	2.0	#122 Halo Star	4	
0132.HD108382	1	9:25	12:26:59.3	26:49:32	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	9:26	12:26:59.3	26:49:32	600	90	2.0	#122 Halo Star	4	
0134.HD108976	10	9:28	12:31:03.1	27:43:49	600	90	2.0	#122 Halo Star	4	
0135.HD108976	10	9:28	12:31:03.1	27:43:49	600	90	2.0	#122 Halo Star	4	
0136.HD108976	10	9:29	12:31:03.1	27:43:49	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-23 Observers K RinesColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0137.COMP	10	9:29	12:31:03.1	27:43:49	600	90	2.0	#122 Halo Star	4	
0138.HD109307	5	9:30	12:33:34.2	24:16:58	600	90	2.0	#122 Halo Star	4	
0139.HD109307	5	9:31	12:33:34.2	24:16:58	600	90	2.0	#122 Halo Star	4	
0140.HD109307	5	9:31	12:33:34.2	24:16:58	600	90	2.0	#122 Halo Star	4	
0141.COMP	10	9:32	12:33:34.2	24:16:58	600	90	2.0	#122 Halo Star	4	
0142.hs241	480	9:33	12:30:29.1	29:26:29	600	90	2.0	#122 Halo Star	4	
0143.COMP	10	9:42	12:30:29.1	29:26:29	600	90	2.0	#122 Halo Star	4	
0144.hs242	240	9:43	12:30:57.6	29:30:06	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	9:47	12:30:57.6	29:30:06	600	90	2.0	#122 Halo Star	4	
0146.hs243	360	9:48	12:33:37.0	29:09:13	600	90	2.0	#122 Halo Star	4	
0147.COMP	10	9:55	12:33:37.0	29:09:13	600	90	2.0	#122 Halo Star	4	
0148.hs244	600	9:55	12:34:03.7	29:18:01	600	90	2.0	#122 Halo Star	4	
0149.COMP	10	10:06	12:34:03.7	29:18:01	600	90	2.0	#122 Halo Star	4	
0150.hs245	300	10:07	12:36:30.9	29:41:00	600	90	2.0	#122 Halo Star	4	
0151.COMP	10	10:12	12:36:30.9	29:41:00	600	90	2.0	#122 Halo Star	4	
0152.hs246	900	10:13	12:36:48.9	29:00:26	600	90	2.0	#122 Halo Star	4	
0153.COMP	10	10:29	12:36:48.9	29:00:26	600	90	2.0	#122 Halo Star	4	
0154.hs247	600	10:29	12:37:26.7	29:15:50	600	90	2.0	#122 Halo Star	4	
0155.COMP	10	10:40	12:37:26.7	29:15:50	600	90	2.0	#122 Halo Star	4	
0156.hs248	900	10:41	12:38:07.0	29:14:34	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-23 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0157.COMP	10	10:56	12:38:07.0	29:14:34	600	90	2.0	#122 Halo Star	4	
0158-0167.FLAT	45	11:07	12:38:07.0	29:14:34	600	90	2.0	#122 Halo Star	4	
0168.HZ44	60	11:15	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	4	300 gpm grating 3as slit
0169.COMP	5	11:17	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	4	tilt=610
0170.comaf_010	240	11:19	13:14:54.5	34:42:09	300	90	3.0	#64f Cluster I	4	
0171.COMP	5	11:23	13:14:54.5	34:42:09	300	90	3.0	#64f Cluster I	4	
0172.comaf_013	240	11:24	13:07:10.3	34:17:54	300	90	3.0	#64f Cluster I	4	
0173.COMP	5	11:29	13:07:10.3	34:17:54	300	90	3.0	#64f Cluster I	4	
0174.comaf_014	360	11:30	13:10:20.0	32:28:59	300	90	3.0	#64f Cluster I	4	em
0175.COMP	5	11:36	13:10:20.0	32:28:59	300	90	3.0	#64f Cluster I	4	
0176.comaf_015	200	11:38	13:28:56.7	32:52:44	300	90	3.0	#64f Cluster I	4	
0177.COMP	5	11:41	13:28:56.7	32:52:44	300	90	3.0	#64f Cluster I	4	
0178.comaf_017	360	11:42	12:59:12.9	35:51:20	300	90	3.0	#64f Cluster I	4	
0179.COMP	5	11:49	12:59:12.9	35:51:20	300	90	3.0	#64f Cluster I	4	
0180.comaf_018	360	11:49	13:07:20.3	35:47:20	300	90	3.0	#64f Cluster I	4	
0181.COMP	5	11:56	13:07:20.3	35:47:20	300	90	3.0	#64f Cluster I	4	
0182.comaf_019	240	11:57	12:59:19.7	30:01:31	300	90	3.0	#64f Cluster I	4	
0183.COMP	5	12:01	12:59:19.7	30:01:31	300	90	3.0	#64f Cluster I	4	
0184.comaf_021	240	12:04	13:18:24.0	32:50:44	300	90	3.0	#64f Cluster I	4	
0185.COMP	5	12:09	13:18:24.0	32:50:44	300	90	3.0	#64f Cluster I	4	

UT Date 2001-03-23 Observers K RinesColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0186.comaf_023	240	12:09	13:09:43.3	34:59:06	300	90	3.0	#64f Cluster I	4	
0187.COMP	5	12:14	13:09:43.3	34:59:06	300	90	3.0	#64f Cluster I	4	
0188.comaf_024	360	12:15	13:12:29.3	34:03:22	300	90	3.0	#64f Cluster I	4	
0189.COMP	5	12:21	13:12:29.3	34:03:22	300	90	3.0	#64f Cluster I	4	
0190.comaf_025	240	12:22	13:09:36.3	34:52:19	300	90	3.0	#64f Cluster I	4	
0191.COMP	5	12:26	13:09:36.3	34:52:19	300	90	3.0	#64f Cluster I	4	
0192.N5866	240	12:27	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0193.COMP	5	12:32	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0194-0203.BIAS	0	12:37	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	4	
0204-0213.FLAT	8	12:40	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	4	
0214.BIAS	0	12:41	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	2	binby2
0215-0223.BIAS	0	12:54	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	2	
0224-0233.FLAT	16	12:59	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	2	
0234-0243.DARK	1200	16:04	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	2	

UT Date 2001-03-24 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	23:36	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	4	
0011.BIAS	0	0:14	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	4	clear
0012-0020.BIAS	0	0:16	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	4	
0021-0030.FLAT	8	0:19	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	4	
0031.BIAS	0	0:20	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	2	binby2
0032-0040.BIAS	0	0:22	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	2	
0041-0050.FLAT	16	0:28	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	2	
0051.sky	2	1:58	06:40:38.0	31:30:28	300	90	3.0	#56 Spectropho	4	binby4
0052-0055.sky	2	1:59	06:41:49.0	31:30:28	300	90	3.0	#56 Spectropho	4	
0056.COMP	5	2:00	06:42:42.0	31:30:28	300	90	3.0	#56 Spectropho	4	
0057.HD52971	2	2:26	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0058.COMP	5	2:26	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0059.vso72922	480	2:30	5:28:44.6	1:23:30	300	90	3.0	#112 Orion PMS	4	
0060.COMP	5	2:38	5:28:44.6	1:23:30	300	90	3.0	#112 Orion PMS	4	
0061.vso74078	420	2:39	5:29:25.6	0:57:17	300	90	3.0	#112 Orion PMS	4	
0062.COMP	5	2:47	5:29:25.6	0:57:17	300	90	3.0	#112 Orion PMS	4	
0063.vso76936	480	2:48	5:31:08.8	0:58:00	300	90	3.0	#112 Orion PMS	4	
0064.COMP	5	2:56	5:31:08.8	0:58:00	300	90	3.0	#112 Orion PMS	4	
0065.vso80643	600	2:57	5:33:21.3	1:23:45	300	90	3.0	#112 Orion PMS	4	
0066.COMP	5	3:07	5:33:21.3	1:23:45	300	90	3.0	#112 Orion PMS	4	

UT Date 2001-03-24 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.vso81183	600	3:08	5:33:40.4	1:13:16	300	90	3.0	#112 Orion PMS	4	
0068.COMP	5	3:19	5:33:40.4	1:13:16	300	90	3.0	#112 Orion PMS	4	
0069.vso81438	1020	3:20	5:33:47.8	1:01:51	300	90	3.0	#112 Orion PMS	4	
0070.COMP	5	3:37	5:33:47.8	1:01:51	300	90	3.0	#112 Orion PMS	4	
0071.vso81593	1020	3:38	5:33:52.4	1:24:53	300	90	3.0	#112 Orion PMS	4	
0072.COMP	5	3:56	5:33:52.4	1:24:53	300	90	3.0	#112 Orion PMS	4	
0073.vso82313	900	3:57	5:34:09.9	0:57:17	300	90	3.0	#112 Orion PMS	4	
0074.COMP	5	4:12	5:34:09.9	0:57:17	300	90	3.0	#112 Orion PMS	4	
0075.sn2001G	1200	4:15	09:09:33.1	+50:16:51	300	90	3.0	#2 SN Observat	2	binby2, 1.06 airmass
0076.COMP	12	4:35	09:09:33.1	+50:16:51	300	90	3.0	#2 SN Observat	2	
0077.Feige34	90	4:36	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	1.06 airmass
0078.COMP	12	4:39	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0079.Feige34	90	4:39	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	binby4
0080.COMP	5	4:41	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0081.SN2001V	1200	4:46	11:57:25.0	25:12:10	300	-69	3.0	#2 SN Observat	2	binby2
0082.COMP	12	5:07	11:57:25.0	25:12:10	300	-69	3.0	#2 SN Observat	2	
0083.hs111	600	5:16	11:11:17.5	29:22:17	600	90	2.0	#122 Halo Star	4	binby4, 600gpm, 2 slit
0084.COMP	10	5:27	11:11:17.5	29:22:17	600	90	2.0	#122 Halo Star	4	
0085.hs112	700	5:29	11:11:23.2	29:25:19	600	90	2.0	#122 Halo Star	4	
0086.COMP	10	5:41	11:11:23.2	29:25:19	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-24 Observers K RinesColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0087.hs113	240	5:42	11:13:02.6	29:20:01	600	90	2.0	#122 Halo Star	4	
0088.COMP	10	5:46	11:13:02.6	29:20:01	600	90	2.0	#122 Halo Star	4	
0089.hs114	630	5:47	11:13:04.4	29:07:46	600	90	2.0	#122 Halo Star	4	
0090.COMP	10	5:58	11:13:04.4	29:07:46	600	90	2.0	#122 Halo Star	4	
0091.hs115	630	5:59	11:13:17.7	29:16:56	600	90	2.0	#122 Halo Star	4	
0092.COMP	10	6:10	11:13:17.7	29:16:56	600	90	2.0	#122 Halo Star	4	
0093.hs116	720	6:11	11:13:17.7	29:24:22	600	90	2.0	#122 Halo Star	4	
0094.COMP	10	6:24	11:13:17.7	29:24:22	600	90	2.0	#122 Halo Star	4	
0095.hs117	900	6:25	11:13:30.0	29:16:16	600	90	2.0	#122 Halo Star	4	
0096.COMP	10	6:40	11:13:30.0	29:16:16	600	90	2.0	#122 Halo Star	4	
0097.hs118	240	6:41	11:14:46.3	29:03:36	600	90	2.0	#122 Halo Star	4	
0098.COMP	10	6:45	11:14:46.3	29:03:36	600	90	2.0	#122 Halo Star	4	
0099.hs119	600	6:46	11:15:12.2	29:14:33	600	90	2.0	#122 Halo Star	4	
0100.COMP	10	6:57	11:15:12.2	29:14:33	600	90	2.0	#122 Halo Star	4	
0101.hs120	900	6:58	11:15:12.9	29:31:57	600	90	2.0	#122 Halo Star	4	
0102.COMP	10	7:13	11:15:12.9	29:31:57	600	90	2.0	#122 Halo Star	4	
0103.hs121	360	7:14	11:15:42.4	28:46:52	600	90	2.0	#122 Halo Star	4	
0104.COMP	10	7:21	11:15:42.4	28:46:52	600	90	2.0	#122 Halo Star	4	
0105.hs122	240	7:22	11:16:24.9	28:47:48	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	7:26	11:16:24.9	28:47:48	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-24 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0107.hs123	300	7:27	11:17:06.0	29:23:05	600	90	2.0	#122 Halo Star	4	
0108.COMP	10	7:32	11:17:06.0	29:23:05	600	90	2.0	#122 Halo Star	4	
0109.hs124	600	7:33	11:17:28.3	29:40:30	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	7:44	11:17:28.3	29:40:30	600	90	2.0	#122 Halo Star	4	
0111.hs125	900	7:44	11:17:28.6	29:15:59	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	8:00	11:17:28.6	29:15:59	600	90	2.0	#122 Halo Star	4	
0113.hs126	800	8:01	11:17:37.3	29:02:26	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	8:15	11:17:37.3	29:02:26	600	90	2.0	#122 Halo Star	4	
0115.hs127	300	8:16	11:17:45.2	29:22:05	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	8:21	11:17:45.2	29:22:05	600	90	2.0	#122 Halo Star	4	
0117.hs128	600	8:22	11:17:46.3	29:11:13	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	8:32	11:17:46.3	29:11:13	600	90	2.0	#122 Halo Star	4	
0119.hs129	600	8:33	11:18:12.6	28:50:08	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	8:44	11:18:12.6	28:50:08	600	90	2.0	#122 Halo Star	4	
0121.hs130	600	8:44	11:18:45.3	29:29:40	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	8:55	11:18:45.3	29:29:40	600	90	2.0	#122 Halo Star	4	
0123.hs131	400	8:55	11:18:47.8	29:15:21	600	90	2.0	#122 Halo Star	4	bright star to W
0124.COMP	10	9:02	11:18:47.8	29:15:21	600	90	2.0	#122 Halo Star	4	
0125.hs132	900	9:03	11:18:54.0	28:55:39	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	9:19	11:18:54.0	28:55:39	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-24 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0127.Feige34	120	9:20	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0128.COMP	10	9:22	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0129.HD109995	5	9:24	12:38:48.0	39:18:38	600	90	2.0	#122 Halo Star	4	
0130.HD109995	5	9:24	12:38:48.0	39:18:38	600	90	2.0	#122 Halo Star	4	
0131.HD109995	5	9:24	12:38:48.0	39:18:38	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	9:25	12:38:48.0	39:18:38	600	90	2.0	#122 Halo Star	4	
0133-0142.FLAT	40	9:34	12:38:48.0	39:18:38	600	90	2.0	#122 Halo Star	4	
0143.MRK421	300	9:41	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	300 gpm, 3as slit
0144.COMP	5	9:47	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0145.comaf_027	480	9:48	12:57:38.7	32:33:24	300	90	3.0	#64f Cluster I	4	
0146.COMP	5	9:56	12:57:38.7	32:33:24	300	90	3.0	#64f Cluster I	4	
0147.comaf_028	360	9:57	13:05:28.7	33:50:58	300	90	3.0	#64f Cluster I	4	
0148.COMP	5	10:04	13:05:28.7	33:50:58	300	90	3.0	#64f Cluster I	4	
0149.comaf_029	900	10:05	13:03:16.4	32:43:19	300	90	3.0	#64f Cluster I	4	
0150.COMP	5	10:20	13:03:16.4	32:43:19	300	90	3.0	#64f Cluster I	4	
0151.comaf_030	400	10:21	13:06:33.0	34:48:56	300	90	3.0	#64f Cluster I	4	
0152.COMP	5	10:28	13:06:33.0	34:48:56	300	90	3.0	#64f Cluster I	4	
0153.comaf_032	240	10:29	13:12:24.1	34:23:16	300	90	3.0	#64f Cluster I	4	
0154.COMP	5	10:33	13:12:24.1	34:23:16	300	90	3.0	#64f Cluster I	4	
0155.comaf_033	500	10:38	12:43:07.1	32:29:27	300	90	3.0	#64f Cluster I	4	

UT Date 2001-03-24 Observers K RinesColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0156.COMP	5	10:46	12:43:07.1	32:29:27	300	90	3.0	#64f Cluster I	4	
0157.comaf_034	400	10:47	13:22:37.4	32:14:43	300	90	3.0	#64f Cluster I	4	
0158.COMP	5	10:55	13:22:37.4	32:14:43	300	90	3.0	#64f Cluster I	4	
0159.comaf_035	240	10:55	13:26:58.4	32:32:13	300	90	3.0	#64f Cluster I	4	
0160.COMP	5	11:00	13:26:58.4	32:32:13	300	90	3.0	#64f Cluster I	4	
0161.comaf_036	1020	11:02	12:53:03.4	35:46:24	300	90	3.0	#64f Cluster I	4	
0162.COMP	5	11:20	12:53:03.4	35:46:24	300	90	3.0	#64f Cluster I	4	
0163.comaf_037	400	11:21	13:12:29.3	34:20:19	300	90	3.0	#64f Cluster I	4	
0164.COMP	5	11:28	13:12:29.3	34:20:19	300	90	3.0	#64f Cluster I	4	
0165.comaf_038	900	11:29	13:00:17.7	34:56:39	300	90	3.0	#64f Cluster I	4	
0166.COMP	5	11:45	13:00:17.7	34:56:39	300	90	3.0	#64f Cluster I	4	
0167.comaf_040	600	11:46	12:50:37.4	27:25:30	300	90	3.0	#64f Cluster I	4	
0168.COMP	5	11:56	12:50:37.4	27:25:30	300	90	3.0	#64f Cluster I	4	
0169.a2199e_001	480	11:58	16:28:38.5	39:05:00	300	90	3.0	#64f Cluster I	4	
0170.COMP	5	12:07	16:28:38.5	39:05:00	300	90	3.0	#64f Cluster I	4	
0171.a2199e_002	420	12:08	16:25:57.6	43:57:44	300	79	3.0	#64f Cluster I	4	2 galaxies E-W
0172.COMP	5	12:16	16:25:57.6	43:57:44	300	79	3.0	#64f Cluster I	4	
0173.a2199e_003	300	12:17	16:40:29.5	39:14:07	300	90	3.0	#64f Cluster I	4	
0174.COMP	5	12:23	16:40:29.5	39:14:07	300	90	3.0	#64f Cluster I	4	
0175.a2199e_004	240	12:24	16:25:37.4	35:58:39	300	90	3.0	#64f Cluster I	4	

UT Date 2001-03-24 Observers K RinesColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0176.COMP	5	12:28	16:25:37.4	35:58:39	300	90	3.0	#64f Cluster I	4	
0177.a2199e_006	200	12:29	16:06:22.1	36:47:33	300	90	3.0	#64f Cluster I	4	
0178.COMP	5	12:33	16:06:22.1	36:47:33	300	90	3.0	#64f Cluster I	4	
0179.N5866	240	12:34	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0180.COMP	5	12:38	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0181-0190.BIAS	0	12:43	15:05:07.2	+55:57:18	300	90	3.0	#64f Cluster I	4	
0191-0200.FLAT	8	12:46	15:05:07.2	+55:57:18	300	90	3.0	#64f Cluster I	4	
0201.BIAS	0	12:47	15:05:07.2	+55:57:18	300	90	3.0	#64f Cluster I	2	binby2
0202-0210.BIAS	0	12:56	15:05:07.2	+55:57:18	300	90	3.0	#64f Cluster I	2	
0211-0220.FLAT	16	13:02	15:05:07.2	+55:57:18	300	90	3.0	#64f Cluster I	2	
0221-0230.DARK	1200	16:05	15:05:07.2	+55:57:18	300	90	3.0	#64f Cluster I	2	

UT Date 2001-03-25 Observers K RinesColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	23:44	15:05:07.2	+55:57:18	300	90	3.0	#64f Cluster I	4	
0011-0020.BIAS	0	0:09	15:05:07.2	+55:57:18	300	90	3.0	#64f Cluster I	4	
0021-0030.FLAT	8	0:13	15:05:07.2	+55:57:18	300	90	3.0	#64f Cluster I	4	
0031.BIAS	0	0:13	15:05:07.2	+55:57:18	300	90	3.0	#64f Cluster I	2	binby2
0032-0040.BIAS	0	0:16	15:05:07.2	+55:57:18	300	90	3.0	#64f Cluster I	2	
0041-0050.FLAT	16	0:27	15:05:07.2	+55:57:18	300	90	3.0	#64f Cluster I	2	
0051.FLAT	40	0:38	15:05:07.2	+55:57:18	600	90	2.0	#64f Cluster I	4	binby4, 600 gpm, 2as slit
0052-0060.FLAT	40	0:46	15:05:07.2	+55:57:18	600	90	2.0	#64f Cluster I	4	
0061.sky	2	1:58	06:45:02.0	31:30:28	300	90	3.0	#64f Cluster I	4	300gom, 1as slit
0062-0063.sky	2	1:59	06:45:41.0	31:30:28	300	90	3.0	#64f Cluster I	4	
0064-0065.sky	2	1:59	06:46:13.0	31:30:29	300	90	3.0	#64f Cluster I	4	
0066.COMP	5	2:02	06:48:37.0	31:30:29	300	90	3.0	#64f Cluster I	4	
0067.HD52971	2	2:21	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0068.COMP	5	2:22	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0069.Hiltner600	45	2:26	06:42:37.2	02:11:25	300	11	3.0	#56 Spectropho	4	
0070.COMP	5	2:27	06:42:37.2	02:11:25	300	11	3.0	#56 Spectropho	4	
0071.Hiltner600	45	2:27	06:42:37.2	02:11:25	300	11	3.0	#56 Spectropho	2	binby2
0072.COMP	12	2:29	06:42:37.2	02:11:25	300	11	3.0	#56 Spectropho	2	
0073.vso83511	720	2:32	5:34:53.8	1:12:38	300	90	3.0	#112 Orion PMS	4	binby4
0074.COMP	5	2:44	5:34:53.8	1:12:38	300	90	3.0	#112 Orion PMS	4	

UT Date 2001-03-25 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0075.vso83717	720	2:45	5:35:02.2	1:28:33	300	90	3.0	#112 Orion PMS	4	
0076.COMP	5	2:57	5:35:02.2	1:28:33	300	90	3.0	#112 Orion PMS	4	
0077.vso83809	720	2:58	5:35:05.2	1:20:03	300	90	3.0	#112 Orion PMS	4	2 stars W
0078.COMP	5	3:10	5:35:05.2	1:20:03	300	90	3.0	#112 Orion PMS	4	
0079.vso84129	900	3:11	5:35:16.7	0:56:59	300	90	3.0	#112 Orion PMS	4	
0080.COMP	5	3:27	5:35:16.7	0:56:59	300	90	3.0	#112 Orion PMS	4	
0081.vso85463	720	3:27	5:36:03.8	1:12:48	300	90	3.0	#112 Orion PMS	4	
0082.COMP	5	3:40	5:36:03.8	1:12:48	300	90	3.0	#112 Orion PMS	4	
0083.vso85495	600	3:41	5:36:04.3	1:03:43	300	90	3.0	#112 Orion PMS	4	
0084.COMP	5	3:51	5:36:04.3	1:03:43	300	90	3.0	#112 Orion PMS	4	
0085.vso85697	720	3:52	5:36:12.8	1:08:44	300	90	3.0	#112 Orion PMS	4	
0086.COMP	5	4:04	5:36:12.8	1:08:44	300	90	3.0	#112 Orion PMS	4	
0087.MRK421	300	4:06	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0088.COMP	5	4:11	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0089.sn2001C	1200	4:19	06:59:36.1	+59:31:01	300	-50	3.0	#2 SN Observat	2	binby2
0090.COMP	12	4:40	06:59:36.1	+59:31:01	300	-50	3.0	#2 SN Observat	2	
0091.SN2001V	1200	4:43	11:57:25.0	25:12:10	300	-70	3.0	#2 SN Observat	2	
0092.COMP	12	5:03	11:57:25.0	25:12:10	300	-70	3.0	#2 SN Observat	2	
0093.Feige34	45	5:11	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0094.COMP	12	5:12	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	

UT Date 2001-03-25 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0095.Feige34	45	5:13	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	binby4
0096.COMP	5	5:14	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0097.Feige34	120	5:21	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	600 gpm, 2as slit
0098.COMP	10	5:23	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	tilt=430, focus=975
0099.hs133	720	5:25	11:18:56.8	28:52:26	600	90	2.0	#122 Halo Star	4	
0100.COMP	10	5:37	11:18:56.8	28:52:26	600	90	2.0	#122 Halo Star	4	
0101.hs134	540	5:38	11:19:08.7	29:36:51	600	90	2.0	#122 Halo Star	4	
0102.COMP	10	5:47	11:19:08.7	29:36:51	600	90	2.0	#122 Halo Star	4	
0103.hs135	600	5:48	11:19:28.2	28:50:17	600	90	2.0	#122 Halo Star	4	
0104.COMP	10	5:59	11:19:28.2	28:50:17	600	90	2.0	#122 Halo Star	4	
0105.hs136	900	6:00	11:20:50.6	29:02:07	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	6:15	11:20:50.6	29:02:07	600	90	2.0	#122 Halo Star	4	
0107.hs137	600	6:16	11:21:02.5	28:50:33	600	90	2.0	#122 Halo Star	4	
0108.COMP	10	6:26	11:21:02.5	28:50:33	600	90	2.0	#122 Halo Star	4	
0109.hs138	240	6:27	11:21:22.3	29:34:04	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	6:32	11:21:22.3	29:34:04	600	90	2.0	#122 Halo Star	4	
0111.hs139	420	6:33	11:21:41.7	29:09:03	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	6:40	11:21:41.7	29:09:03	600	90	2.0	#122 Halo Star	4	
0113.hs140	300	6:41	11:21:45.0	29:14:05	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	6:47	11:21:45.0	29:14:05	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-25 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0115.hs141	540	6:48	11:21:54.7	29:29:04	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	6:57	11:21:54.7	29:29:04	600	90	2.0	#122 Halo Star	4	
0117.hs142	300	6:58	11:22:04.8	29:10:44	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	7:04	11:22:04.8	29:10:44	600	90	2.0	#122 Halo Star	4	
0119.hs143	540	7:05	11:22:32.5	29:23:30	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	7:14	11:22:32.5	29:23:30	600	90	2.0	#122 Halo Star	4	
0121.hs144	420	7:15	11:23:21.4	29:10:59	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	7:23	11:23:21.4	29:10:59	600	90	2.0	#122 Halo Star	4	
0123.hs145	900	7:24	11:23:58.2	29:40:58	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	7:39	11:23:58.2	29:40:58	600	90	2.0	#122 Halo Star	4	
0125.hs146	600	7:40	11:26:16.4	29:15:33	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	7:51	11:26:16.4	29:15:33	600	90	2.0	#122 Halo Star	4	
0127.hs147	840	7:51	11:26:42.0	29:40:55	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	8:06	11:26:42.0	29:40:55	600	90	2.0	#122 Halo Star	4	
0129.hs148	900	8:07	11:28:29.2	29:15:04	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	8:22	11:28:29.2	29:15:04	600	90	2.0	#122 Halo Star	4	
0131.hs149	900	8:23	11:28:32.5	29:20:15	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	8:38	11:28:32.5	29:20:15	600	90	2.0	#122 Halo Star	4	
0133.hs150	600	8:39	11:29:14.2	28:48:49	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	8:50	11:29:14.2	28:48:49	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-25 Observers K RinesColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0135.hs151	500	8:50	11:29:22.5	29:41:50	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	8:59	11:29:22.5	29:41:50	600	90	2.0	#122 Halo Star	4	
0137.hs152	500	9:00	11:29:25.8	29:03:10	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	9:09	11:29:25.8	29:03:10	600	90	2.0	#122 Halo Star	4	
0139.hs153	300	9:10	11:30:09.0	29:24:19	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	9:15	11:30:09.0	29:24:19	600	90	2.0	#122 Halo Star	4	
0141.hs154	300	9:16	11:30:27.0	29:39:42	600	90	2.0	#122 Halo Star	4	
0142.COMP	10	9:21	11:30:27.0	29:39:42	600	90	2.0	#122 Halo Star	4	
0143.hs155	420	9:22	11:31:16.3	28:55:07	600	90	2.0	#122 Halo Star	4	
0144.COMP	10	9:30	11:31:16.3	28:55:07	600	90	2.0	#122 Halo Star	4	
0145.hs156	720	9:30	11:31:17.7	28:49:00	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	9:43	11:31:17.7	28:49:00	600	90	2.0	#122 Halo Star	4	
0147.hs249	420	9:44	12:38:22.5	29:32:17	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	9:51	12:38:22.5	29:32:17	600	90	2.0	#122 Halo Star	4	
0149.hs250	420	9:52	12:38:39.8	29:22:49	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	9:59	12:38:39.8	29:22:49	600	90	2.0	#122 Halo Star	4	
0151.hs251	540	10:00	12:39:18.0	29:37:52	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	10:10	12:39:18.0	29:37:52	600	90	2.0	#122 Halo Star	4	
0153.hs252	480	10:10	12:40:00.1	29:23:18	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	10:19	12:40:00.1	29:23:18	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-25 Observers K RinesColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0155.hs253	240	10:20	12:40:15.2	29:24:02	600	90	2.0	#122 Halo Star	4	
0156.COMP	10	10:24	12:40:15.2	29:24:02	600	90	2.0	#122 Halo Star	4	
0157.hs254	400	10:25	12:40:16.6	29:42:32	600	90	2.0	#122 Halo Star	4	
0158.COMP	10	10:32	12:40:16.6	29:42:32	600	90	2.0	#122 Halo Star	4	
0159.hs255	180	10:33	12:40:18.1	29:40:36	600	90	2.0	#122 Halo Star	4	
0160.COMP	10	10:36	12:40:18.1	29:40:36	600	90	2.0	#122 Halo Star	4	
0161.hs256	840	10:37	12:40:24.9	29:28:09	600	90	2.0	#122 Halo Star	4	
0162.COMP	10	10:51	12:40:24.9	29:28:09	600	90	2.0	#122 Halo Star	4	
0163.hs257	990	10:52	12:40:36.4	28:59:51	600	90	2.0	#122 Halo Star	4	
0164.COMP	10	11:09	12:40:36.4	28:59:51	600	90	2.0	#122 Halo Star	4	
0165.hs258	540	11:10	12:41:17.5	29:09:14	600	90	2.0	#122 Halo Star	4	
0166.COMP	10	11:19	12:41:17.5	29:09:14	600	90	2.0	#122 Halo Star	4	
0167.hs259	720	11:20	12:41:29.4	28:58:00	600	90	2.0	#122 Halo Star	4	
0168.COMP	10	11:33	12:41:29.4	28:58:00	600	90	2.0	#122 Halo Star	4	
0169.hs260	990	11:34	12:42:25.9	29:30:40	600	90	2.0	#122 Halo Star	4	
0170.COMP	10	11:51	12:42:25.9	29:30:40	600	90	2.0	#122 Halo Star	4	
0171.SA57n1	720	11:52	12:52:18.7	28:20:06	600	90	2.0	#122 Halo Star	4	
0172.COMP	10	12:04	12:52:18.7	28:20:06	600	90	2.0	#122 Halo Star	4	
0173.SA57n80	900	12:05	13:13:10.2	30:44:59	600	90	2.0	#122 Halo Star	4	
0174.COMP	10	12:20	13:13:10.2	30:44:59	600	90	2.0	#122 Halo Star	4	

UT Date 2001-03-25 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0175.HZ44	240	12:29	13:21:19.0	36:23:39	600	90	2.0	#56 Spectropho	4	
0176.COMP	10	12:33	13:21:19.0	36:23:39	600	90	2.0	#56 Spectropho	4	
0177.HD161817	5	12:35	17:46:40.6	25:44:56	600	90	2.0	#122 Halo Star	4	
0178.HD161817	5	12:35	17:46:40.6	25:44:56	600	90	2.0	#122 Halo Star	4	
0179.HD161817	5	12:36	17:46:40.6	25:44:56	600	90	2.0	#122 Halo Star	4	
0180.COMP	10	12:36	17:46:40.6	25:44:56	600	90	2.0	#122 Halo Star	4	
0181-0190.FLAT	40	12:53	17:46:40.6	25:44:56	600	90	2.0	#56 Spectropho	4	
0191.FLAT	8	13:00	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	4	300 gpm, 3as slit
0192.FLAT	8	13:00	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	4	focus=965
0193-0200.FLAT	8	13:03	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	4	
0201-0210.BIAS	0	13:05	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	4	
0211.BIAS	0	13:06	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	2	binby2
0212-0220.BIAS	0	13:14	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	2	
0221-0230.FLAT	16	13:20	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	2	
0231-0240.DARK	1200	16:23	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	2	

UT Date 2001-03-26 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	1200	23:47	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	4	
0011.BIAS	0	0:09	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	4	clear
0012-0020.BIAS	0	0:10	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	4	
0021-0030.FLAT	8	0:13	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	4	
0031.BIAS	0	0:14	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	2	binby2
0032-0040.BIAS	0	0:17	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	2	
0041-0050.FLAT	16	0:22	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	2	
0051.sky	2	2:00	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	4	binby4
0052-0055.sky	2	2:01	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	4	
0056.COMP	5	2:02	17:46:40.6	25:44:56	300	90	3.0	#56 Spectropho	4	
0057.HD52971	2	2:18	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0058.COMP	5	2:19	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0059.Hiltner600	45	2:21	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0060.COMP	5	2:22	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0061.Hiltner600	45	2:23	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0062.COMP	12	2:24	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0063.vso89373	500	2:27	5:38:17.3	1:07:59	300	90	3.0	#112 Orion PMS	4	
0064.COMP	5	2:36	5:38:17.3	1:07:59	300	90	3.0	#112 Orion PMS	4	
0065.vso86364	720	2:37	5:36:34.8	1:00:43	300	90	3.0	#112 Orion PMS	4	
0066.COMP	5	2:49	5:36:34.8	1:00:43	300	90	3.0	#112 Orion PMS	4	

UT Date 2001-03-26 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.vso86989	720	2:50	5:36:56.8	0:57:21	300	90	3.0	#112 Orion PMS	4	
0068.COMP	5	3:03	5:36:56.8	0:57:21	300	90	3.0	#112 Orion PMS	4	
0069.vso86985	720	3:03	5:36:58.2	1:23:28	300	90	3.0	#112 Orion PMS	4	
0070.COMP	5	3:16	5:36:58.2	1:23:28	300	90	3.0	#112 Orion PMS	4	
0071.vso88989	720	3:17	5:38:05.8	1:14:18	300	90	3.0	#112 Orion PMS	4	
0072.COMP	5	3:29	5:38:05.8	1:14:18	300	90	3.0	#112 Orion PMS	4	
0073.vso89010	720	3:29	5:38:06.4	1:24:09	300	90	3.0	#112 Orion PMS	4	
0074.COMP	5	3:42	5:38:06.4	1:24:09	300	90	3.0	#112 Orion PMS	4	
0075.vso92914	480	3:44	5:40:02.0	1:19:59	300	90	3.0	#112 Orion PMS	4	
0076.COMP	5	3:52	5:40:02.0	1:19:59	300	90	3.0	#112 Orion PMS	4	
0077.vso93287	420	3:53	5:40:14.8	0:58:34	300	90	3.0	#112 Orion PMS	4	
0078.COMP	5	4:00	5:40:14.8	0:58:34	300	90	3.0	#112 Orion PMS	4	
0079.vso94380	600	4:02	5:40:53.7	1:23:44	300	90	3.0	#112 Orion PMS	4	
0080.COMP	5	4:12	5:40:53.7	1:23:44	300	90	3.0	#112 Orion PMS	4	
0081.vso94517	720	4:13	5:40:58.5	0:57:17	300	90	3.0	#112 Orion PMS	4	
0082.COMP	5	4:25	5:40:58.5	0:57:17	300	90	3.0	#112 Orion PMS	4	
0083.vso95547	420	4:26	5:41:36.9	1:15:41	300	90	3.0	#112 Orion PMS	4	
0084.COMP	5	4:33	5:41:36.9	1:15:41	300	90	3.0	#112 Orion PMS	4	
0085.BGGem	180	4:34	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	binby2
0086.BGGem	900	4:38	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	

UT Date 2001-03-26 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.COMP	12	4:53	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0088.SN2001af	1200	4:58	09:50:28.7	-21:48:30	300	90	3.0	#2 SN Observat	2	angle=0, wrong in header
0089.COMP	12	5:18	09:50:28.7	-21:48:30	300	90	3.0	#2 SN Observat	2	
0090.Feige34	45	5:21	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0091.COMP	12	5:22	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0092.Feige34	45	5:23	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	binby4
0093.COMP	5	5:24	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0094.MRK421	300	5:25	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0095.COMP	5	5:31	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0096.SN2001V	1200	5:34	11:57:25.0	25:12:10	300	90	3.0	#2 SN Observat	2	binby2
0097.COMP	12	5:54	11:57:25.0	25:12:10	300	90	3.0	#2 SN Observat	2	
0098.comaf_041	300	5:56	12:58:12.5	33:35:33	300	90	3.0	#64f Cluster I	4	binby4
0099.COMP	5	6:01	12:58:12.5	33:35:33	300	90	3.0	#64f Cluster I	4	
0100.comaf_045	300	6:05	12:35:06.7	32:26:18	300	90	3.0	#64f Cluster I	4	
0101.COMP	5	6:10	12:35:06.7	32:26:18	300	90	3.0	#64f Cluster I	4	
0102.comaf_046	480	6:11	12:35:15.9	30:21:45	300	90	3.0	#64f Cluster I	4	
0103.COMP	5	6:20	12:35:15.9	30:21:45	300	90	3.0	#64f Cluster I	4	
0104.comaf_047	300	6:21	13:20:12.8	33:05:33	300	90	3.0	#64f Cluster I	4	
0105.COMP	5	6:26	13:20:12.8	33:05:33	300	90	3.0	#64f Cluster I	4	
0106.comaf_048	480	6:27	13:08:00.9	26:07:14	300	90	3.0	#64f Cluster I	4	

UT Date 2001-03-26 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0107.COMP	5	6:35	13:08:00.9	26:07:14	300	90	3.0	#64f Cluster I	4	
0108.comaf_049	720	6:36	12:29:38.7	26:13:52	300	90	3.0	#64f Cluster I	4	
0109.COMP	5	6:49	12:29:38.7	26:13:52	300	90	3.0	#64f Cluster I	4	
0110.comaf_050	420	6:50	12:56:09.1	35:38:15	300	90	3.0	#64f Cluster I	4	
0111.COMP	5	6:58	12:56:09.1	35:38:15	300	90	3.0	#64f Cluster I	4	
0112.comaf_051	600	6:59	13:10:24.2	21:34:31	300	90	3.0	#64f Cluster I	4	star E
0113.COMP	5	7:09	13:10:24.2	21:34:31	300	90	3.0	#64f Cluster I	4	
0114.comaf_052	1200	7:11	13:13:20.6	30:33:36	300	90	3.0	#64f Cluster I	4	
0115.COMP	5	7:31	13:13:20.6	30:33:36	300	90	3.0	#64f Cluster I	4	
0116.comaf_053	240	7:32	13:28:45.3	25:05:19	300	90	3.0	#64f Cluster I	4	
0117.COMP	5	7:37	13:28:45.3	25:05:19	300	90	3.0	#64f Cluster I	4	
0118.comaf_058	420	7:39	13:11:38.8	34:38:13	300	90	3.0	#64f Cluster I	4	
0119.COMP	5	7:47	13:11:38.8	34:38:13	300	90	3.0	#64f Cluster I	4	
0120.comaf_059	300	7:48	13:20:48.6	30:45:27	300	90	3.0	#64f Cluster I	4	
0121.COMP	5	7:53	13:20:48.6	30:45:27	300	90	3.0	#64f Cluster I	4	
0122.comaf_060	240	7:54	12:53:37.2	27:36:56	300	90	3.0	#64f Cluster I	4	
0123.COMP	5	7:58	12:53:37.2	27:36:56	300	90	3.0	#64f Cluster I	4	
0124.comaf_062	300	7:59	12:31:53.2	23:57:10	300	90	3.0	#64f Cluster I	4	
0125.COMP	5	8:05	12:31:53.2	23:57:10	300	90	3.0	#64f Cluster I	4	
0126.comaf_063	240	8:06	13:29:09.4	25:45:24	300	90	3.0	#64f Cluster I	4	

UT Date 2001-03-26 Observers K RinesColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0127.COMP	5	8:10	13:29:09.4	25:45:24	300	90	3.0	#64f Cluster I	4	
0128.comaf_064	300	8:11	13:21:22.2	23:56:37	300	90	3.0	#64f Cluster I	4	
0129.COMP	5	8:17	13:21:22.2	23:56:37	300	90	3.0	#64f Cluster I	4	
0130.comaf_065	480	8:18	13:09:28.4	32:26:36	300	90	3.0	#64f Cluster I	4	
0131.COMP	5	8:26	13:09:28.4	32:26:36	300	90	3.0	#64f Cluster I	4	
0132.comaf_066	240	8:27	12:58:46.7	32:11:35	300	90	3.0	#64f Cluster I	4	
0133.COMP	5	8:32	12:58:46.7	32:11:35	300	90	3.0	#64f Cluster I	4	
0134.comaf_067	900	8:33	12:49:39.9	34:15:18	300	90	3.0	#64f Cluster I	4	
0135.COMP	5	8:48	12:49:39.9	34:15:18	300	90	3.0	#64f Cluster I	4	
0136.comaf_068	480	8:50	13:23:00.5	22:32:48	300	90	3.0	#64f Cluster I	4	
0137.COMP	5	8:58	13:23:00.5	22:32:48	300	90	3.0	#64f Cluster I	4	
0138.comaf_069	480	8:59	13:21:45.7	33:11:00	300	90	3.0	#64f Cluster I	4	
0139.COMP	5	9:07	13:21:45.7	33:11:00	300	90	3.0	#64f Cluster I	4	
0140.comaf_070	600	9:08	13:08:48.8	32:59:18	300	90	3.0	#64f Cluster I	4	
0141.COMP	5	9:19	13:08:48.8	32:59:18	300	90	3.0	#64f Cluster I	4	
0142.comaf_072	480	9:20	13:19:43.9	32:05:56	300	90	3.0	#64f Cluster I	4	
0143.COMP	5	9:28	13:19:43.9	32:05:56	300	90	3.0	#64f Cluster I	4	
0144.comaf_071	480	9:29	13:06:33.2	22:51:01	300	90	3.0	#64f Cluster I	4	
0145.COMP	5	9:38	13:06:33.2	22:51:01	300	90	3.0	#64f Cluster I	4	
0146.comaf_073	360	9:38	12:43:25.0	32:53:10	300	90	3.0	#64f Cluster I	4	

UT Date 2001-03-26 Observers K RinesColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0147.COMP	5	9:45	12:43:25.0	32:53:10	300	90	3.0	#64f Cluster I	4	
0148.comaf_074	300	9:46	12:51:29.4	31:48:50	300	90	3.0	#64f Cluster I	4	
0149.COMP	5	9:51	12:51:29.4	31:48:50	300	90	3.0	#64f Cluster I	4	
0150.comaf_075	600	9:52	13:12:38.9	34:03:55	300	90	3.0	#64f Cluster I	4	
0151.COMP	5	10:03	13:12:38.9	34:03:55	300	90	3.0	#64f Cluster I	4	
0152.comaf_076	360	10:04	13:30:45.0	32:17:38	300	90	3.0	#64f Cluster I	4	
0153.COMP	5	10:10	13:30:45.0	32:17:38	300	90	3.0	#64f Cluster I	4	
0154.comaf_077	420	10:11	12:37:42.8	33:26:03	300	90	3.0	#64f Cluster I	4	
0155.COMP	5	10:19	12:37:42.8	33:26:03	300	90	3.0	#64f Cluster I	4	
0156.comaf_078	300	10:20	13:18:20.0	28:37:09	300	90	3.0	#64f Cluster I	4	
0157.COMP	5	10:25	13:18:20.0	28:37:09	300	90	3.0	#64f Cluster I	4	
0158.comaf_080	300	10:26	13:22:24.5	23:27:04	300	90	3.0	#64f Cluster I	4	star W
0159.COMP	5	10:31	13:22:24.5	23:27:04	300	90	3.0	#64f Cluster I	4	
0160.comaf_079	480	10:32	12:28:46.6	25:43:53	300	90	3.0	#64f Cluster I	4	
0161.COMP	5	10:41	12:28:46.6	25:43:53	300	90	3.0	#64f Cluster I	4	
0162.a2199e_007	240	10:42	16:24:54.1	41:03:03	300	90	3.0	#64f Cluster I	4	
0163.COMP	5	10:47	16:24:54.1	41:03:03	300	90	3.0	#64f Cluster I	4	
0164.a2199e_008	300	10:48	16:25:54.3	43:51:26	300	90	3.0	#64f Cluster I	4	
0165.COMP	5	10:53	16:25:54.3	43:51:26	300	90	3.0	#64f Cluster I	4	
0166.a2199e_009	240	10:54	16:22:46.6	39:35:05	300	90	3.0	#64f Cluster I	4	

UT Date 2001-03-26 Observers K RinesColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0167.COMP	5	10:58	16:22:46.6	39:35:05	300	90	3.0	#64f Cluster I	4	
0168.a2199e_011	360	11:00	16:30:41.3	44:30:48	300	90	3.0	#64f Cluster I	4	
0169.COMP	5	11:06	16:30:41.3	44:30:48	300	90	3.0	#64f Cluster I	4	
0170.a2199e_012	240	11:07	16:30:06.8	36:13:12	300	90	3.0	#64f Cluster I	4	
0171.COMP	5	11:12	16:30:06.8	36:13:12	300	90	3.0	#64f Cluster I	4	
0172.a2199e_013	300	11:13	16:13:35.3	35:30:39	300	90	3.0	#64f Cluster I	4	
0173.COMP	5	11:18	16:13:35.3	35:30:39	300	90	3.0	#64f Cluster I	4	
0174.a2199e_015	240	11:19	16:28:07.9	42:16:59	300	90	3.0	#64f Cluster I	4	
0175.COMP	5	11:24	16:28:07.9	42:16:59	300	90	3.0	#64f Cluster I	4	
0176.a2199e_016	240	11:25	16:43:17.0	38:54:08	300	90	3.0	#64f Cluster I	4	
0177.COMP	5	11:29	16:43:17.0	38:54:08	300	90	3.0	#64f Cluster I	4	
0178.a2199e_017	180	11:30	16:27:02.6	43:28:34	300	90	3.0	#64f Cluster I	4	
0179.COMP	5	11:33	16:27:02.6	43:28:34	300	90	3.0	#64f Cluster I	4	
0180.a2199e_018	480	11:35	16:49:23.0	43:15:51	300	90	3.0	#64f Cluster I	4	galaxy E?
0181.COMP	5	11:43	16:49:23.0	43:15:51	300	90	3.0	#64f Cluster I	4	
0182.a2199e_019	240	11:44	16:29:47.6	40:52:19	300	90	3.0	#64f Cluster I	4	
0183.COMP	5	11:49	16:29:47.6	40:52:19	300	90	3.0	#64f Cluster I	4	
0184.a2199e_020	240	11:49	16:32:57.8	42:31:28	300	90	3.0	#64f Cluster I	4	
0185.COMP	5	11:54	16:32:57.8	42:31:28	300	90	3.0	#64f Cluster I	4	
0186.a2199e_021	480	11:55	16:40:02.2	43:41:37	300	90	3.0	#64f Cluster I	4	

UT Date 2001-03-26 Observers K RinesColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0187.COMP	5	12:03	16:40:02.2	43:41:37	300	90	3.0	#64f Cluster I	4	
0188.a2199e_022	480	12:04	16:26:27.4	44:06:46	300	90	3.0	#64f Cluster I	4	
0189.COMP	5	12:19	16:26:27.4	44:06:46	300	90	3.0	#64f Cluster I	4	
0190.a2199e_023	300	12:20	16:33:01.9	42:38:01	300	90	3.0	#64f Cluster I	4	
0191.COMP	5	12:26	16:33:01.9	42:38:01	300	90	3.0	#64f Cluster I	4	
0192.a2199e_024	300	12:26	16:35:39.5	42:27:40	300	90	3.0	#64f Cluster I	4	
0193.COMP	5	12:32	16:35:39.5	42:27:40	300	90	3.0	#64f Cluster I	4	
0194-0203.BIAS	0	12:45	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	4	
0204-0213.FLAT	8	12:49	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	4	
0214.BIAS	0	12:49	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	2	binby2
0215-0223.BIAS	0	12:55	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	2	
0224-0233.FLAT	16	13:00	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	2	
0234-0243.FLAT	1200	16:05	15:05:07.2	+55:57:18	300	90	3.0	#56 Spectropho	2	

UT Date 2001-03-27 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0002.BIAS	0	2:16	07:10:31.0	31:30:30	300	90	3.0	#56 Spectropho	4	
0003-0010.BIAS	0	2:18	07:12:18.0	31:30:31	300	90	3.0	#56 Spectropho	4	
0011.FLAT	8	2:18	07:12:50.0	31:30:31	300	90	3.0	#56 Spectropho	4	clear skies!!
0012-0020.FLAT	8	2:21	07:15:36.0	31:30:31	300	90	3.0	#56 Spectropho	4	
0021.BIAS	0	2:21	07:16:03.0	31:30:31	300	90	3.0	#56 Spectropho	2	hi Susan!
0022-0030.BIAS	0	2:24	07:18:40.0	31:30:31	300	90	3.0	#56 Spectropho	2	
0031.FLAT	16	2:24	07:19:17.0	31:30:31	300	90	3.0	#56 Spectropho	2	rtssystem modified, computer is having major memory problems,
0032.FLAT	16	2:25	07:19:51.0	31:30:31	300	90	3.0	#56 Spectropho	2	beware corrupted files
0033-0038.FLAT	16	2:28	07:23:03.0	31:30:31	300	90	3.0	#56 Spectropho	2	
0039-0040.FLAT	16	2:29	07:24:09.0	31:30:32	300	90	3.0	#56 Spectropho	2	
0041.HD52971	4	2:39	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0042.HD52971	4	2:40	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0043.HD52971	4	2:40	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0044.COMP	5	2:41	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0045.Hiltner600	45	2:44	06:42:37.2	02:11:25	300	25	3.0	#56 Spectropho	2	
0046.Hiltner600	45	2:45	06:42:37.2	02:11:25	300	25	3.0	#56 Spectropho	2	
0047.COMP	10	2:46	06:42:37.2	02:11:25	300	25	3.0	#56 Spectropho	2	
0048.vso52458	900	2:49	5:16:13.6	1:01:58	300	25	3.0	#112 Orion PMS	4	real nice, but it's a galaxy not a star...
0049.COMP	5	3:04	5:16:13.6	1:01:58	300	25	3.0	#112 Orion PMS	4	
0050.vso53649	900	3:05	5:17:00.7	0:57:18	300	25	3.0	#112 Orion PMS	4	

UT Date 2001-03-27 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0051.COMP	5	3:21	5:17:00.7	0:57:18	300	25	3.0	#112 Orion PMS	4	
0052.vso85528	600	3:22	5:36:06.2	1:05:23	300	25	3.0	#112 Orion PMS	4	
0053.COMP	5	3:33	5:36:06.2	1:05:23	300	25	3.0	#112 Orion PMS	4	
0054.vso93218	720	3:36	5:40:13.2	1:19:02	300	25	3.0	#112 Orion PMS	4	
0055.COMP	5	3:48	5:40:13.2	1:19:02	300	25	3.0	#112 Orion PMS	4	
0056.sn2001G	1200	3:54	09:09:33.1	+50:16:51	300	5	3.0	#2 SN Observat	2	
0057.COMP	10	4:15	09:09:33.1	+50:16:51	300	5	3.0	#2 SN Observat	2	
0058.2M102035.1p252300	300	4:18	10:20:35.1	+25:23:00	300	90	3.0	#68 2MASS Reds	4	
0059.COMP	5	4:23	10:20:35.1	+25:23:00	300	90	3.0	#68 2MASS Reds	4	
0060.2M102928.3p205929	180	4:24	10:29:28.3	+20:59:29	300	90	3.0	#68 2MASS Reds	4	
0061.COMP	5	4:27	10:29:28.3	+20:59:29	300	90	3.0	#68 2MASS Reds	4	
0062.2M104011.3p234121	240	4:28	10:40:11.3	+23:41:21	300	90	3.0	#68 2MASS Reds	4	
0063.COMP	5	4:32	10:40:11.3	+23:41:21	300	90	3.0	#68 2MASS Reds	4	
0064.2M104435.8p111745	180	4:33	10:44:35.7	+11:17:45	300	90	3.0	#68 2MASS Reds	4	
0065.COMP	5	4:36	10:44:35.7	+11:17:45	300	90	3.0	#68 2MASS Reds	4	
0066.2M104638.9p114555	180	4:37	10:46:38.9	+11:45:55	300	90	3.0	#68 2MASS Reds	4	
0067.COMP	5	4:40	10:46:38.9	+11:45:55	300	90	3.0	#68 2MASS Reds	4	
0068.2M101654.7m094656	180	4:44	10:16:54.7	-09:46:56	300	90	3.0	#68 2MASS Reds	4	
0069.COMP	5	4:47	10:16:54.7	-09:46:56	300	90	3.0	#68 2MASS Reds	4	
0070.2M103635.3m070645	150	4:48	10:36:35.3	-07:06:45	300	90	3.0	#68 2MASS Reds	4	

UT Date 2001-03-27 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0071.COMP	5	4:51	10:36:35.3	-07:06:45	300	90	3.0	#68 2MASS Reds	4	
0072.2M103858.9m070308	150	4:51	10:38:58.9	-07:03:08	300	90	3.0	#68 2MASS Reds	4	
0073.COMP	5	4:54	10:38:58.9	-07:03:08	300	90	3.0	#68 2MASS Reds	4	
0074.2M075457.4m022211	480	4:55	07:54:57.3	-02:22:11	300	90	3.0	#68 2MASS Reds	4	
0075.COMP	5	5:04	07:54:57.3	-02:22:11	300	90	3.0	#68 2MASS Reds	4	
0076.2M074653.0m010900	180	5:05	07:46:52.9	-01:09:00	300	90	3.0	#68 2MASS Reds	4	
0077.COMP	5	5:09	07:46:52.9	-01:09:00	300	90	3.0	#68 2MASS Reds	4	
0078.2M074240.6p092220	420	5:11	07:42:40.5	+09:22:20	300	90	3.0	#68 2MASS Reds	4	
0079.COMP	5	5:18	07:42:40.5	+09:22:20	300	90	3.0	#68 2MASS Reds	4	
0080.2M075644.2m025937	240	5:19	07:56:44.1	-02:59:37	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	5:23	07:56:44.1	-02:59:37	300	90	3.0	#68 2MASS Reds	4	
0082.2M075705.1m045619	120	5:24	07:57:05.0	-04:56:19	300	90	3.0	#68 2MASS Reds	4	
0083.COMP	5	5:26	07:57:05.0	-04:56:19	300	90	3.0	#68 2MASS Reds	4	
0084.2M080010.3m095406	120	5:27	08:00:10.3	-09:54:06	300	90	3.0	#68 2MASS Reds	4	
0085.COMP	5	5:30	08:00:10.3	-09:54:06	300	90	3.0	#68 2MASS Reds	4	
0086.2M080021.0p111909	90	5:30	08:00:20.9	+11:19:09	300	90	3.0	#68 2MASS Reds	4	
0087.COMP	5	5:32	08:00:20.9	+11:19:09	300	90	3.0	#68 2MASS Reds	4	
0088.2M105519.9m054902	150	5:33	10:55:19.9	-05:49:02	300	90	3.0	#68 2MASS Reds	4	
0089.COMP	5	5:36	10:55:19.9	-05:49:02	300	90	3.0	#68 2MASS Reds	4	
0090.2M110542.6m095500	180	5:37	11:05:42.5	-09:55:00	300	90	3.0	#68 2MASS Reds	4	

UT Date 2001-03-27 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091.COMP	5	5:40	11:05:42.5	-09:55:00	300	90	3.0	#68 2MASS Reds	4	
0092.2M112218.2m030452	180	5:41	11:22:18.2	-03:04:52	300	90	3.0	#68 2MASS Reds	4	
0093.COMP	5	5:44	11:22:18.2	-03:04:52	300	90	3.0	#68 2MASS Reds	4	
0094.2M112606.3m015001	300	5:45	11:26:06.2	-01:50:01	300	90	3.0	#68 2MASS Reds	4	
0095.COMP	5	5:50	11:26:06.2	-01:50:01	300	90	3.0	#68 2MASS Reds	4	
0096.2M114603.8m081616	210	5:51	11:46:03.7	-08:16:16	300	90	3.0	#68 2MASS Reds	4	
0097.COMP	5	5:55	11:46:03.7	-08:16:16	300	90	3.0	#68 2MASS Reds	4	
0098.Feige34	90	5:57	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	no comp; re-do
0099.Feige34	90	5:59	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	no comp; re-do
0100.MRK421	300	6:01	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0101.COMP	5	6:07	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0102.Feige34	90	6:08	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0103.COMP	10	6:10	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0104.2M102528.0p704500	120	6:12	10:25:27.9	+70:45:00	300	90	3.0	#68 2MASS Reds	4	
0105.COMP	5	6:14	10:25:27.9	+70:45:00	300	90	3.0	#68 2MASS Reds	4	
0106.2M103603.7p813224	120	6:22	10:36:03.7	79:0:0	300	90	3.0	#68 2MASS Reds	4	
0107.COMP	5	6:25	10:36:03.7	79:0:0	300	90	3.0	#68 2MASS Reds	4	
0108.comaf_006	600	6:27	12:33:32.6	33:16:30	300	90	3.0	#64f Cluster I	4	
0109.COMP	5	6:37	12:33:32.6	33:16:30	300	90	3.0	#64f Cluster I	4	
0110.comaf_007	120	6:38	12:57:33.6	28:28:56	300	90	3.0	#64f Cluster I	4	

UT Date 2001-03-27 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0111.COMP	5	6:40	12:57:33.6	28:28:56	300	90	3.0	#64f Cluster I	4	
0112.comaf_020	900	6:43	13:19:13.1	26:55:48	300	90	3.0	#64f Cluster I	4	
0113.COMP	5	6:58	13:19:13.1	26:55:48	300	90	3.0	#64f Cluster I	4	
0114.comaf_022	900	7:00	13:07:24.2	32:51:46	300	90	3.0	#64f Cluster I	4	
0115.COMP	5	7:16	13:07:24.2	32:51:46	300	90	3.0	#64f Cluster I	4	
0116.SN2001V	1200	7:19	11:57:25.0	25:12:10	300	33	3.0	#2 SN Observat	2	
0117.COMP	10	7:39	11:57:25.0	25:12:10	300	33	3.0	#2 SN Observat	2	
0118.comaf_055	900	7:41	12:39:34.4	27:26:13	300	90	3.0	#64f Cluster I	4	
0119.COMP	5	7:56	12:39:34.4	27:26:13	300	90	3.0	#64f Cluster I	4	
0120.115100+43440_ab	1200	7:58	11:53:40.0	43:27:38	300	36	3.0	#113 Galaxy In	2	a is @ row 98 and above; b is @ row 66
0121.COMP	10	8:18	11:53:40.0	43:27:38	300	36	3.0	#113 Galaxy In	2	
0122.124336+45280_ab	1200	8:21	12:45:58.4	45:11:56	300	47	3.0	#113 Galaxy In	2	a is @ row 105; b is @ row 64
0123.COMP	10	8:41	12:45:58.4	45:11:56	300	47	3.0	#113 Galaxy In	2	
0124.HZ44	120	8:43	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0125.HZ44	120	8:45	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0126.COMP	10	8:47	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0127.125024+10160_a	720	8:49	12:52:53.5	09:59:20	300	90	3.0	#113 Galaxy In	2	
0128.COMP	10	9:01	12:52:53.5	09:59:20	300	90	3.0	#113 Galaxy In	2	
0129.125024+10160_b	900	9:02	12:52:56.2	10:01:33	300	90	3.0	#113 Galaxy In	2	
0130.COMP	10	9:17	12:52:56.2	10:01:33	300	90	3.0	#113 Galaxy In	2	

UT Date 2001-03-27 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0131.130700+01570_a	720	9:18	13:09:33.0	01:40:22	300	90	3.0	#113 Galaxy In	2	
0132.COMP	10	9:31	13:09:33.0	01:40:22	300	90	3.0	#113 Galaxy In	2	
0133.130700+01570_b	720	9:32	13:09:34.3	01:37:23	300	90	3.0	#113 Galaxy In	4	
0134.COMP	5	9:46	13:09:34.3	01:37:23	300	90	3.0	#113 Galaxy In	4	
0135.131254+13100_b	600	9:47	13:15:21.9	12:54:18	300	90	3.0	#113 Galaxy In	4	
0136.COMP	5	9:57	13:15:21.9	12:54:18	300	90	3.0	#113 Galaxy In	4	
0137.130936+34380_a	600	9:58	13:11:57.3	34:21:55	300	90	3.0	#113 Galaxy In	4	
0138.COMP	5	10:09	13:11:57.3	34:21:55	300	90	3.0	#113 Galaxy In	4	
0139.130936+34380_b	900	10:09	13:11:54.5	34:22:59	300	90	3.0	#113 Galaxy In	4	
0140.COMP	5	10:25	13:11:54.5	34:22:59	300	90	3.0	#113 Galaxy In	4	
0141.132354+40200_a	900	10:25	13:26:10.8	40:04:00	300	90	3.0	#113 Galaxy In	4	
0142.COMP	5	10:41	13:26:10.8	40:04:00	300	90	3.0	#113 Galaxy In	4	
0143.132354+40200_b	900	10:42	13:26:13.3	40:01:28	300	90	3.0	#113 Galaxy In	4	
0144.COMP	5	10:58	13:26:13.3	40:01:28	300	90	3.0	#113 Galaxy In	4	
0145.133530+39250_a	900	10:58	13:37:39.8	39:09:17	300	90	3.0	#113 Galaxy In	2	
0146.COMP	10	11:14	13:37:39.8	39:09:17	300	90	3.0	#113 Galaxy In	2	
0147.133530+39250_b	420	11:15	13:37:53.8	39:08:43	300	90	3.0	#113 Galaxy In	4	
0148.COMP	5	11:23	13:37:53.8	39:08:43	300	90	3.0	#113 Galaxy In	4	
0149.133612+48320_ab	900	11:25	13:38:17.7	48:16:40	300	36	3.0	#113 Galaxy In	2	a is @ row 83; b is @ row 92
0150.COMP	10	11:41	13:38:17.7	48:16:40	300	36	3.0	#113 Galaxy In	2	good one

UT Date 2001-03-27 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0151.140248+10390_b	600	11:43	14:05:09.2	10:25:29	300	90	3.0	#113 Galaxy In	4	
0152.COMP	5	11:53	14:05:09.2	10:25:29	300	90	3.0	#113 Galaxy In	4	
0153.140248+10390_a	720	11:54	14:05:16.4	10:25:52	300	90	3.0	#113 Galaxy In	4	
0154.COMP	5	12:07	14:05:16.4	10:25:52	300	90	3.0	#113 Galaxy In	4	
0155.N5866	180	12:08	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0156.COMP	5	12:12	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0157.BIAS	0	12:14	15:05:07.2	+55:57:18	300	90	3.0	#113 Galaxy In	4	observing was very difficult all night long with the
0158.BIAS	0	12:14	15:05:07.2	+55:57:18	300	90	3.0	#113 Galaxy In	4	computer so darn slow!!!
0159-0174.BIAS	0	12:19	15:05:07.2	+55:57:18	300	90	3.0	#113 Galaxy In	4	
0175-0184.FLAT	8	12:22	15:05:07.2	+55:57:18	300	90	3.0	#113 Galaxy In	4	
0185-0194.BIAS	0	12:27	15:05:07.2	+55:57:18	300	90	3.0	#113 Galaxy In	2	
0195-0204.FLAT	16	12:32	15:05:07.2	+55:57:18	300	90	3.0	#113 Galaxy In	2	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:29	03:41:42.0	31:30:17	300	90	3.0	#57 Velocity S	4	thank you Ted and Bill W for fixing
0002.DARK	900	22:44	03:56:53.0	31:30:18	300	90	3.0	#57 Velocity S	4	yesterday's problems
0003.DARK	900	22:59	04:12:03.0	31:30:18	300	90	3.0	#57 Velocity S	4	
0004.DARK	900	23:14	04:27:14.0	31:30:19	300	90	3.0	#57 Velocity S	4	
0005.DARK	900	23:29	04:42:21.0	31:30:20	300	90	3.0	#57 Velocity S	4	
0006.DARK	900	23:44	04:57:32.0	31:30:21	300	90	3.0	#57 Velocity S	4	
0007.DARK	900	23:59	05:12:42.0	31:30:22	300	90	3.0	#57 Velocity S	4	
0008.DARK	900	0:15	05:27:53.0	31:30:23	300	90	3.0	#57 Velocity S	4	
0009.DARK	900	0:30	05:43:03.0	31:30:24	300	90	3.0	#57 Velocity S	4	
0010.DARK	900	0:45	05:58:10.0	31:30:25	300	90	3.0	#57 Velocity S	4	
0011-0020.BIAS	0	1:23	06:21:39.0	31:30:27	300	90	3.0	#57 Velocity S	4	
0021-0030.FLAT	8	1:26	06:24:46.0	31:30:27	300	90	3.0	#57 Velocity S	4	
0031.BIAS	0	1:27	06:25:42.0	31:30:27	300	90	3.0	#57 Velocity S	2	lots of clouds overhead
0032-0040.BIAS	0	1:29	06:27:48.0	31:30:27	300	90	3.0	#57 Velocity S	2	
0041-0048.FLAT	16	1:33	06:32:00.0	31:30:27	300	90	3.0	#57 Velocity S	2	
0049-0050.FLAT	16	1:34	06:32:57.0	31:30:28	300	90	3.0	#57 Velocity S	2	
0051.FLAT	10	1:46	06:44:53.0	31:30:28	300	90	2.0	#87 IRAC	4	300-line; 2-sec slit for Megeath/Fazio
0052-0060.FLAT	10	1:49	06:47:51.0	31:30:29	300	90	2.0	#87 IRAC	4	
0061.HD45807	15	2:23	06:29:09.5	-11:40:37	300	90	2.0	#87 IRAC Stars	4	
0062.HD45807	15	2:24	06:29:09.5	-11:40:37	300	90	2.0	#87 IRAC Stars	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0063.HD45807	30	2:24	06:29:09.5	-11:40:37	300	90	2.0	#87 IRAC Stars	4	
0064.COMP	5	2:25	06:29:09.5	-11:40:37	300	90	2.0	#87 IRAC Stars	4	
0065.HD46379	15	2:26	06:32:46.4	-05:51:35	300	90	2.0	#87 IRAC Stars	4	
0066.HD46379	30	2:27	06:32:46.4	-05:51:35	300	90	2.0	#87 IRAC Stars	4	
0067.HD46379	30	2:27	06:32:46.4	-05:51:35	300	90	2.0	#87 IRAC Stars	4	
0068.COMP	5	2:28	06:32:46.4	-05:51:35	300	90	2.0	#87 IRAC Stars	4	
0069.HD36937south	30	2:30	05:30:26.7	-22:39:25	300	90	2.0	#87 IRAC Stars	4	
0070.HD36937south	45	2:31	05:30:26.7	-22:39:25	300	90	2.0	#87 IRAC Stars	4	
0071.HD36937south	45	2:32	05:30:26.7	-22:39:25	300	90	2.0	#87 IRAC Stars	4	
0072.COMP	5	2:33	05:30:26.7	-22:39:25	300	90	2.0	#87 IRAC Stars	4	
0073.HD36937	15	2:34	5:35:00	-04:31:36	300	90	2.0	#87 IRAC Stars	4	
0074.HD36937	15	2:35	5:35:00	-04:31:36	300	90	2.0	#87 IRAC Stars	4	
0075.HD36937	15	2:35	5:35:00	-04:31:36	300	90	2.0	#87 IRAC Stars	4	
0076.COMP	5	2:36	5:35:00	-04:31:36	300	90	2.0	#87 IRAC Stars	4	
0077.HD52869	15	2:37	7:02:46.1	-1:49:15	300	90	2.0	#87 IRAC Stars	4	
0078.HD52869	15	2:37	7:02:46.1	-1:49:15	300	90	2.0	#87 IRAC Stars	4	
0079.HD52869	15	2:38	7:02:46.1	-1:49:15	300	90	2.0	#87 IRAC Stars	4	
0080.COMP	5	2:38	7:02:46.1	-1:49:15	300	90	2.0	#87 IRAC Stars	4	
0081.Hiltner600	60	2:40	6:42:37.2	02:11:25	300	90	2.0	#87 IRAC Stars	4	
0082.Hiltner600	60	2:41	6:42:37.2	02:11:25	300	90	2.0	#87 IRAC Stars	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.COMP	5	2:42	6:42:37.2	02:11:25	300	90	2.0	#87 IRAC Stars	4	
0084.HD52430	15	2:43	7:01:17.4	2:32:34	300	90	2.0	#87 IRAC Stars	4	
0085.HD52430	15	2:44	7:01:17.4	2:32:34	300	90	2.0	#87 IRAC Stars	4	
0086.HD52430	15	2:44	7:01:17.4	2:32:34	300	90	2.0	#87 IRAC Stars	4	
0087.COMP	5	2:45	7:01:17.4	2:32:34	300	90	2.0	#87 IRAC Stars	4	
0088.HD52386	20	2:46	7:00:30.0	-11:26:59	300	90	2.0	#87 IRAC Stars	4	
0089.HD52386	20	2:47	7:00:30.0	-11:26:59	300	90	2.0	#87 IRAC Stars	4	
0090.HD52386	20	2:48	7:00:30.0	-11:26:59	300	90	2.0	#87 IRAC Stars	4	
0091.COMP	5	2:48	7:00:30.0	-11:26:59	300	90	2.0	#87 IRAC Stars	4	
0092.HD56229	20	2:49	7:16:00.1	-7:10:35	300	90	2.0	#87 IRAC Stars	4	
0093.HD56229	20	2:50	7:16:00.1	-7:10:35	300	90	2.0	#87 IRAC Stars	4	
0094.HD56229	20	2:50	7:16:00.1	-7:10:35	300	90	2.0	#87 IRAC Stars	4	
0095.COMP	5	2:51	7:16:00.1	-7:10:35	300	90	2.0	#87 IRAC Stars	4	
0096.HD53120N	20	2:52	7:03:30.3	-8:27:40	300	90	2.0	#87 IRAC Stars	4	
0097.HD53120N	20	2:53	7:03:30.3	-8:27:40	300	90	2.0	#87 IRAC Stars	4	
0098.HD53120S	20	2:53	7:03:30.3	-8:27:40	300	90	2.0	#87 IRAC Stars	4	
0099.HD53120S	20	2:54	7:03:30.3	-8:27:40	300	90	2.0	#87 IRAC Stars	4	
0100.COMP	5	2:55	7:03:30.3	-8:27:40	300	90	2.0	#87 IRAC Stars	4	
0101.HD54570	20	2:55	7:09:08.9	-4:55:31	300	90	2.0	#87 IRAC Stars	4	
0102.HD54570	10	2:56	7:09:08.9	-4:55:31	300	90	2.0	#87 IRAC Stars	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0103.HD54570	10	2:56	7:09:08.9	-4:55:31	300	90	2.0	#87 IRAC Stars	4	
0104.COMP	5	2:57	7:09:08.9	-4:55:31	300	90	2.0	#87 IRAC Stars	4	
0105.HD56181	10	2:59	7:15:54.0	-4:24:59	300	90	2.0	#87 IRAC Stars	4	
0106.HD56181	10	2:59	7:15:54.0	-4:24:59	300	90	2.0	#87 IRAC Stars	4	
0107.HD56181	10	2:59	7:15:54.0	-4:24:59	300	90	2.0	#87 IRAC Stars	4	
0108.COMP	5	3:00	7:15:54.0	-4:24:59	300	90	2.0	#87 IRAC Stars	4	
0109.HD53482	15	3:01	7:04:58.2	-5:47:57	300	90	2.0	#87 IRAC Stars	4	
0110.HD53482	15	3:01	7:04:58.2	-5:47:57	300	90	2.0	#87 IRAC Stars	4	
0111.HD53482	15	3:02	7:04:58.2	-5:47:57	300	90	2.0	#87 IRAC Stars	4	
0112.COMP	5	3:03	7:04:58.2	-5:47:57	300	90	2.0	#87 IRAC Stars	4	
0113.HD56004	30	3:03	7:15:13.4	-4:35:35	300	90	2.0	#87 IRAC Stars	4	
0114.HD56004	30	3:04	7:15:13.4	-4:35:35	300	90	2.0	#87 IRAC Stars	4	
0115.HD56004	30	3:05	7:15:13.4	-4:35:35	300	90	2.0	#87 IRAC Stars	4	
0116.COMP	5	3:05	7:15:13.4	-4:35:35	300	90	2.0	#87 IRAC Stars	4	
0117.HD55513	20	3:06	7:13:05.4	-2:21:49	300	90	2.0	#87 IRAC Stars	4	
0118.HD55513	20	3:07	7:13:05.4	-2:21:49	300	90	2.0	#87 IRAC Stars	4	
0119.HD55513	20	3:07	7:13:05.4	-2:21:49	300	90	2.0	#87 IRAC Stars	4	
0120.COMP	5	3:08	7:13:05.4	-2:21:49	300	90	2.0	#87 IRAC Stars	4	
0121.HD56492	20	3:08	7:17:01.3	-6:14:17	300	90	2.0	#87 IRAC Stars	4	
0122.HD56492	10	3:09	7:17:01.3	-6:14:17	300	90	2.0	#87 IRAC Stars	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0123.HD56492	10	3:09	7:17:01.3	-6:14:17	300	90	2.0	#87 IRAC Stars	4	
0124.COMP	5	3:10	7:17:01.3	-6:14:17	300	90	2.0	#87 IRAC Stars	4	
0125.HD55807	10	3:11	7:14:33.5	0:18:52	300	90	2.0	#87 IRAC Stars	4	
0126.HD55807	15	3:11	7:14:33.5	0:18:52	300	90	2.0	#87 IRAC Stars	4	
0127.HD55807	15	3:11	7:14:33.5	0:18:52	300	90	2.0	#87 IRAC Stars	4	
0128.COMP	5	3:12	7:14:33.5	0:18:52	300	90	2.0	#87 IRAC Stars	4	
0129.HD58811	15	3:13	7:27:05.6	-4:58:03	300	90	2.0	#87 IRAC Stars	4	
0130.HD58811	15	3:13	7:27:05.6	-4:58:03	300	90	2.0	#87 IRAC Stars	4	
0131.HD58811	15	3:14	7:27:05.6	-4:58:03	300	90	2.0	#87 IRAC Stars	4	
0132.COMP	5	3:14	7:27:05.6	-4:58:03	300	90	2.0	#87 IRAC Stars	4	
0133.HD57748	15	3:15	7:22:25.7	-5:13:54	300	90	2.0	#87 IRAC Stars	4	clearing
0134.HD57748	15	3:15	7:22:25.7	-5:13:54	300	90	2.0	#87 IRAC Stars	4	
0135.HD57748	15	3:16	7:22:25.7	-5:13:54	300	90	2.0	#87 IRAC Stars	4	
0136.COMP	5	3:16	7:22:25.7	-5:13:54	300	90	2.0	#87 IRAC Stars	4	
0137.HD59065	10	3:17	7:28:11.2	-3:05:52	300	90	2.0	#87 IRAC Stars	4	
0138.HD59065	10	3:18	7:28:11.2	-3:05:52	300	90	2.0	#87 IRAC Stars	4	
0139.HD59065	10	3:18	7:28:11.2	-3:05:52	300	90	2.0	#87 IRAC Stars	4	
0140.COMP	5	3:18	7:28:11.2	-3:05:52	300	90	2.0	#87 IRAC Stars	4	
0141.HD55731N	20	3:19	7:14:14.2	4:12:27	300	90	2.0	#87 IRAC Stars	4	
0142.HD55731N	20	3:20	7:14:14.2	4:12:27	300	90	2.0	#87 IRAC Stars	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0143.HD55731S	10	3:21	7:14:14.2	4:12:27	300	90	2.0	#87 IRAC Stars	4	
0144.HD55731S	10	3:21	7:14:14.2	4:12:27	300	90	2.0	#87 IRAC Stars	4	
0145.HD55731S	20	3:21	7:14:14.2	4:12:27	300	90	2.0	#87 IRAC Stars	4	
0146.COMP	5	3:22	7:14:14.2	4:12:27	300	90	2.0	#87 IRAC Stars	4	
0147.HD58273	10	3:23	7:25:05.5	4:22:05	300	90	2.0	#87 IRAC Stars	4	
0148.HD58273	15	3:23	7:25:05.5	4:22:05	300	90	2.0	#87 IRAC Stars	4	
0149.HD58273	15	3:24	7:25:05.5	4:22:05	300	90	2.0	#87 IRAC Stars	4	
0150.COMP	5	3:24	7:25:05.5	4:22:05	300	90	2.0	#87 IRAC Stars	4	
0151.Hiltner600	60	3:25	6:42:37.2	2:11:25	300	90	2.0	#87 IRAC Stars	4	
0152.Hiltner600	60	3:26	6:42:37.2	2:11:25	300	90	2.0	#87 IRAC Stars	4	
0153.COMP	5	3:28	6:42:37.2	2:11:25	300	90	2.0	#87 IRAC Stars	4	
0154.BDp33_1356	4	3:30	06:33:42.7	+33:01:26	300	90	2.0	#87 IRAC Stars	4	
0155.BDp33_1356	4	3:31	06:33:42.7	+33:01:26	300	90	2.0	#87 IRAC Stars	4	
0156.BDp33_1356	4	3:31	06:33:42.7	+33:01:26	300	90	2.0	#87 IRAC Stars	4	
0157.COMP	5	3:31	06:33:42.7	+33:01:26	300	90	2.0	#87 IRAC Stars	4	
0158.BDp15_1541	4	3:33	07:20:06.8	+15:08:35	300	90	2.0	#87 IRAC Stars	4	
0159.BDp15_1541	4	3:33	07:20:06.8	+15:08:35	300	90	2.0	#87 IRAC Stars	4	
0160.BDp15_1541	2	3:33	07:20:06.8	+15:08:35	300	90	2.0	#87 IRAC Stars	4	
0161.COMP	5	3:34	07:20:06.8	+15:08:35	300	90	2.0	#87 IRAC Stars	4	
0162.BDp23_1698	4	3:34	07:23:28.1	+22:56:43	300	90	2.0	#87 IRAC Stars	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0163.BDp23_1698	2	3:35	07:23:28.1	+22:56:43	300	90	2.0	#87 IRAC Stars	4	
0164.BDp23_1698	2	3:35	07:23:28.1	+22:56:43	300	90	2.0	#87 IRAC Stars	4	
0165.COMP	5	3:35	07:23:28.1	+22:56:43	300	90	2.0	#87 IRAC Stars	4	
0166.BDp20_1893	4	3:36	07:45:09.3	+20:18:58	300	90	2.0	#87 IRAC Stars	4	
0167.BDp20_1893	2	3:37	07:45:09.3	+20:18:58	300	90	2.0	#87 IRAC Stars	4	
0168.BDp20_1893	2	3:37	07:45:09.3	+20:18:58	300	90	2.0	#87 IRAC Stars	4	
0169.COMP	5	3:37	07:45:09.3	+20:18:58	300	90	2.0	#87 IRAC Stars	4	
0170.BDp25_1816	2	3:38	08:01:43.8	+25:05:22	300	90	2.0	#87 IRAC Stars	4	
0171.BDp25_1816	2	3:38	08:01:43.8	+25:05:22	300	90	2.0	#87 IRAC Stars	4	
0172.BDp25_1816	2	3:39	08:01:43.8	+25:05:22	300	90	2.0	#87 IRAC Stars	4	
0173.COMP	5	3:39	08:01:43.8	+25:05:22	300	90	2.0	#87 IRAC Stars	4	
0174.BDp15_2027	2	3:40	09:21:15.3	+15:22:17	300	90	2.0	#87 IRAC Stars	4	
0175.BDp15_2027	2	3:40	09:21:15.3	+15:22:17	300	90	2.0	#87 IRAC Stars	4	
0176.BDp15_2027	2	3:40	09:21:15.3	+15:22:17	300	90	2.0	#87 IRAC Stars	4	
0177.COMP	5	3:41	09:21:15.3	+15:22:17	300	90	2.0	#87 IRAC Stars	4	
0178.HD79320	4	3:42	9:13:24.8	3:49:28	300	90	2.0	#87 IRAC Stars	4	
0179.HD79320	4	3:42	9:13:24.8	3:49:28	300	90	2.0	#87 IRAC Stars	4	
0180.HD79320	4	3:42	9:13:24.8	3:49:28	300	90	2.0	#87 IRAC Stars	4	
0181.COMP	5	3:43	9:13:24.8	3:49:28	300	90	2.0	#87 IRAC Stars	4	
0182.HD75751	10	3:44	08:51:47.2	-01:01:34	300	90	2.0	#87 IRAC Stars	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0183.HD75751	20	3:44	08:51:47.2	-01:01:34	300	90	2.0	#87 IRAC Stars	4	
0184.HD75751	20	3:45	08:51:47.2	-01:01:34	300	90	2.0	#87 IRAC Stars	4	
0185.COMP	5	3:45	08:51:47.2	-01:01:34	300	90	2.0	#87 IRAC Stars	4	
0186.HD75597	20	3:46	8:50:44.4	-3:29:17	300	90	2.0	#87 IRAC Stars	4	
0187.HD75597	20	3:47	8:50:44.4	-3:29:17	300	90	2.0	#87 IRAC Stars	4	
0188.HD75597	20	3:47	8:50:44.4	-3:29:17	300	90	2.0	#87 IRAC Stars	4	
0189.COMP	5	3:48	8:50:44.4	-3:29:17	300	90	2.0	#87 IRAC Stars	4	
0190.HD78555	20	3:48	9:08:48.2	-5:14:08	300	90	2.0	#87 IRAC Stars	4	
0191.HD78555	20	3:49	9:08:48.2	-5:14:08	300	90	2.0	#87 IRAC Stars	4	
0192.HD78555	20	3:50	9:08:48.2	-5:14:08	300	90	2.0	#87 IRAC Stars	4	
0193.COMP	5	3:50	9:08:48.2	-5:14:08	300	90	2.0	#87 IRAC Stars	4	
0194.HD81390	10	3:51	9:25:18.6	-0:50:13	300	90	2.0	#87 IRAC Stars	4	
0195.HD81390	10	3:51	9:25:18.6	-0:50:13	300	90	2.0	#87 IRAC Stars	4	
0196.HD81390	10	3:52	9:25:18.6	-0:50:13	300	90	2.0	#87 IRAC Stars	4	
0197.COMP	5	3:52	9:25:18.6	-0:50:13	300	90	2.0	#87 IRAC Stars	4	
0198.HD84543	10	3:53	9:46:05.4	3:26:29	300	90	2.0	#87 IRAC Stars	4	
0199.HD84543	10	3:54	9:46:05.4	3:26:29	300	90	2.0	#87 IRAC Stars	4	
0200.HD84543	10	3:54	9:46:05.4	3:26:29	300	90	2.0	#87 IRAC Stars	4	
0201.COMP	5	3:55	9:46:05.4	3:26:29	300	90	2.0	#87 IRAC Stars	4	
0202.HD86027	10	3:55	9:55:59.5	2:47:54	300	90	2.0	#87 IRAC Stars	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0203.HD86027	10	3:56	9:55:59.5	2:47:54	300	90	2.0	#87 IRAC Stars	4	
0204.HD86027	10	3:56	9:55:59.5	2:47:54	300	90	2.0	#87 IRAC Stars	4	
0205.COMP	5	3:57	9:55:59.5	2:47:54	300	90	2.0	#87 IRAC Stars	4	
0206.HD86563	10	3:57	9:59:22.8	2:57:50	300	90	2.0	#87 IRAC Stars	4	windy!
0207.HD86563	15	3:58	9:59:22.8	2:57:50	300	90	2.0	#87 IRAC Stars	4	
0208.HD86563	15	3:58	9:59:22.8	2:57:50	300	90	2.0	#87 IRAC Stars	4	
0209.COMP	5	3:59	9:59:22.8	2:57:50	300	90	2.0	#87 IRAC Stars	4	
0210.HD86828	15	3:59	10:01:14.4	3:17:07	300	90	2.0	#87 IRAC Stars	4	
0211.HD86828	30	4:00	10:01:14.4	3:17:07	300	90	2.0	#87 IRAC Stars	4	
0212.HD86828	30	4:02	10:01:14.4	3:17:07	300	90	2.0	#87 IRAC Stars	4	
0213.COMP	5	4:03	10:01:14.4	3:17:07	300	90	2.0	#87 IRAC Stars	4	
0214.Feige34	90	4:04	10:36:41.2	43:21:50	300	90	2.0	#87 IRAC Stars	4	
0215.Feige34	90	4:06	10:36:41.2	43:21:50	300	90	2.0	#87 IRAC Stars	4	
0216.COMP	5	4:08	10:36:41.2	43:21:50	300	90	2.0	#87 IRAC Stars	4	
0217.BIAS	0	4:10	9:0:0	30:0:0	300	90	3.0	#87 IRAC Stars	4	
0218.SN2001C	1200	4:15	06:59:36.1	+59:31:01	300	110	3.0	#2 SN Observat	2	3-sec slit back in
0219.COMP	10	4:35	06:59:36.1	+59:31:01	300	110	3.0	#2 SN Observat	2	
0220.SNmCG8	1200	4:38	9:34:31.0	46:27:38	300	-5	3.0	#2 SN Observat	2	early II
0221.COMP	10	4:59	9:34:31.0	46:27:38	300	-5	3.0	#2 SN Observat	2	
0222.SNugc6211	1200	5:02	11:10:29.8	55:09:39	300	30	3.0	#2 SN Observat	2	early Ia

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0223.COMP	10	5:23	11:10:29.8	55:09:39	300	30	3.0	#2 SN Observat	2	
0224.Feige34	90	5:25	10:36:41.2	43:21:50	300	15	3.0	#56 Spectropho	2	
0225.Feige34	90	5:26	10:36:41.2	43:21:50	300	15	3.0	#56 Spectropho	2	
0226.COMP	10	5:29	10:36:41.2	43:21:50	300	15	3.0	#56 Spectropho	2	
0227-0231.FLAT	16	5:32	10:36:41.2	43:21:50	300	15	3.0	#56 Spectropho	2	
0232.BIAS	0	5:34	10:30:00	30:0:0	300	90	2.0	#56 Spectropho	4	
0233.FLAT	10	5:34	10:30:00	30:0:0	300	90	2.0	#56 Spectropho	4	2-sec slit back in
0234-0237.FLAT	10	5:35	10:30:00	30:0:0	300	90	2.0	#56 Spectropho	4	
0238.HD88708	15	5:36	10:14:00.7	0:28:07	300	90	2.0	#87 IRAC Stars	4	
0239.HD88708	30	5:37	10:14:00.7	0:28:07	300	90	2.0	#87 IRAC Stars	4	
0240.HD88708	30	5:38	10:14:00.7	0:28:07	300	90	2.0	#87 IRAC Stars	4	
0241.COMP	5	5:39	10:14:00.7	0:28:07	300	90	2.0	#87 IRAC Stars	4	
0242.HD89562	20	5:39	10:20:08.8	3:11:54	300	90	2.0	#87 IRAC Stars	4	
0243.HD89562	20	5:40	10:20:08.8	3:11:54	300	90	2.0	#87 IRAC Stars	4	
0244.HD89562	20	5:40	10:20:08.8	3:11:54	300	90	2.0	#87 IRAC Stars	4	
0245.HD89562	20	5:41	10:20:08.8	3:11:54	300	90	2.0	#87 IRAC Stars	4	
0246.COMP	5	5:42	10:20:08.8	3:11:54	300	90	2.0	#87 IRAC Stars	4	
0247.HD89823	20	5:43	10:22:05.6	1:09:40	300	90	2.0	#87 IRAC Stars	4	
0248.HD89823	20	5:44	10:22:05.6	1:09:40	300	90	2.0	#87 IRAC Stars	4	
0249.HD89823	20	5:44	10:22:05.6	1:09:40	300	90	2.0	#87 IRAC Stars	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0250.COMP	5	5:45	10:22:05.6	1:09:40	300	90	2.0	#87 IRAC Stars	4	
0251.HD89907	20	5:45	10:22:36.4	2:47:47	300	90	2.0	#87 IRAC Stars	4	
0252.HD89907	20	5:46	10:22:36.4	2:47:47	300	90	2.0	#87 IRAC Stars	4	
0253.HD89907	20	5:46	10:22:36.4	2:47:47	300	90	2.0	#87 IRAC Stars	4	
0254.COMP	5	5:47	10:22:36.4	2:47:47	300	90	2.0	#87 IRAC Stars	4	
0255.HD90593	20	5:48	10:27:44.0	4:28:20	300	90	2.0	#87 IRAC Stars	4	
0256.HD90593	20	5:48	10:27:44.0	4:28:20	300	90	2.0	#87 IRAC Stars	4	
0257.HD90593	20	5:49	10:27:44.0	4:28:20	300	90	2.0	#87 IRAC Stars	4	
0258.COMP	5	5:49	10:27:44.0	4:28:20	300	90	2.0	#87 IRAC Stars	4	
0259.HD96576	20	5:50	11:07:30.8	-4:38:53	300	90	2.0	#87 IRAC Stars	4	
0260.HD96576	20	5:51	11:07:30.8	-4:38:53	300	90	2.0	#87 IRAC Stars	4	
0261.HD96576	20	5:51	11:07:30.8	-4:38:53	300	90	2.0	#87 IRAC Stars	4	
0262.COMP	5	5:52	11:07:30.8	-4:38:53	300	90	2.0	#87 IRAC Stars	4	
0263.HD97340	20	5:52	11:12:10.4	-0:24:34	300	90	2.0	#87 IRAC Stars	4	
0264.HD97340	10	5:53	11:12:10.4	-0:24:34	300	90	2.0	#87 IRAC Stars	4	
0265.HD97340	10	5:53	11:12:10.4	-0:24:34	300	90	2.0	#87 IRAC Stars	4	
0266.COMP	5	5:54	11:12:10.4	-0:24:34	300	90	2.0	#87 IRAC Stars	4	
0267.HD97373	20	5:54	11:12:24.4	-0:47:26	300	90	2.0	#87 IRAC Stars	4	
0268.HD97373	20	5:55	11:12:24.4	-0:47:26	300	90	2.0	#87 IRAC Stars	4	
0269.HD97373	20	5:56	11:12:24.4	-0:47:26	300	90	2.0	#87 IRAC Stars	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0270.COMP	5	5:56	11:12:24.4	-0:47:26	300	90	2.0	#87 IRAC Stars	4	
0271.HD97180	20	5:57	11:11:08.8	-5:19:18	300	90	2.0	#87 IRAC Stars	4	
0272.HD97180	15	5:58	11:11:08.8	-5:19:18	300	90	2.0	#87 IRAC Stars	4	
0273.HD97180	15	5:58	11:11:08.8	-5:19:18	300	90	2.0	#87 IRAC Stars	4	
0274.COMP	5	5:59	11:11:08.8	-5:19:18	300	90	2.0	#87 IRAC Stars	4	
0275.HD97198	20	5:59	11:11:16.2	-5:28:13	300	90	2.0	#87 IRAC Stars	4	
0276.HD97198	10	6:00	11:11:16.2	-5:28:13	300	90	2.0	#87 IRAC Stars	4	
0277.HD97198	10	6:00	11:11:16.2	-5:28:13	300	90	2.0	#87 IRAC Stars	4	
0278.COMP	5	6:01	11:11:16.2	-5:28:13	300	90	2.0	#87 IRAC Stars	4	
0279.HD99776	10	6:01	11:28:38.9	-3:22:38	300	90	2.0	#87 IRAC Stars	4	
0280.HD99776	15	6:02	11:28:38.9	-3:22:38	300	90	2.0	#87 IRAC Stars	4	
0281.HD99776	15	6:02	11:28:38.9	-3:22:38	300	90	2.0	#87 IRAC Stars	4	
0282.COMP	5	6:03	11:28:38.9	-3:22:38	300	90	2.0	#87 IRAC Stars	4	
0283.HD100630	20	6:03	11:34:45.3	-4:57:15	300	90	2.0	#87 IRAC Stars	4	
0284.HD100630	10	6:04	11:34:45.3	-4:57:15	300	90	2.0	#87 IRAC Stars	4	
0285.HD100630	10	6:04	11:34:45.3	-4:57:15	300	90	2.0	#87 IRAC Stars	4	
0286.COMP	5	6:05	11:34:45.3	-4:57:15	300	90	2.0	#87 IRAC Stars	4	
0287.HD99848	10	6:07	11:29:11.3	-6:41:54	300	90	2.0	#87 IRAC Stars	4	
0288.HD99848	20	6:07	11:29:11.3	-6:41:54	300	90	2.0	#87 IRAC Stars	4	
0289.HD99848	20	6:08	11:29:11.3	-6:41:54	300	90	2.0	#87 IRAC Stars	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0290.COMP	5	6:08	11:29:11.3	-6:41:54	300	90	2.0	#87 IRAC Stars	4	
0291.HD99968	20	6:09	11:30:03.1	-6:50:04	300	90	2.0	#87 IRAC Stars	4	
0292.HD99968	20	6:09	11:30:03.1	-6:50:04	300	90	2.0	#87 IRAC Stars	4	
0293.HD99968	30	6:10	11:30:03.1	-6:50:04	300	90	2.0	#87 IRAC Stars	4	
0294.COMP	5	6:11	11:30:03.1	-6:50:04	300	90	2.0	#87 IRAC Stars	4	
0295.HD100019	20	6:11	11:30:29.9	-4:41:28	300	90	2.0	#87 IRAC Stars	4	
0296.HD100019	20	6:12	11:30:29.9	-4:41:28	300	90	2.0	#87 IRAC Stars	4	
0297.HD100019	30	6:12	11:30:29.9	-4:41:28	300	90	2.0	#87 IRAC Stars	4	
0298.COMP	5	6:13	11:30:29.9	-4:41:28	300	90	2.0	#87 IRAC Stars	4	
0299.HD100619	30	6:14	11:34:40.3	-5:35:25	300	90	2.0	#87 IRAC Stars	4	
0300.HD100619	30	6:15	11:34:40.3	-5:35:25	300	90	2.0	#87 IRAC Stars	4	
0301.HD100619	30	6:15	11:34:40.3	-5:35:25	300	90	2.0	#87 IRAC Stars	4	
0302.COMP	5	6:16	11:34:40.3	-5:35:25	300	90	2.0	#87 IRAC Stars	4	
0303.HD102016	30	6:17	11:44:26.3	-0:22:44	300	90	2.0	#87 IRAC Stars	4	
0304.HD102016	30	6:17	11:44:26.3	-0:22:44	300	90	2.0	#87 IRAC Stars	4	
0305.HD102016	30	6:18	11:44:26.3	-0:22:44	300	90	2.0	#87 IRAC Stars	4	
0306.COMP	5	6:19	11:44:26.3	-0:22:44	300	90	2.0	#87 IRAC Stars	4	
0307.HD102058	30	6:19	11:44:45.4	-0:05:13	300	90	2.0	#87 IRAC Stars	4	
0308.HD102058	30	6:20	11:44:45.4	-0:05:13	300	90	2.0	#87 IRAC Stars	4	
0309.HD102058	30	6:21	11:44:45.4	-0:05:13	300	90	2.0	#87 IRAC Stars	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0310.COMP	5	6:22	11:44:45.4	-0:05:13	300	90	2.0	#87 IRAC Stars	4	
0311.HD104183	30	6:22	11:59:56.7	0:54:11	300	90	2.0	#87 IRAC Stars	4	
0312.HD104183	45	6:23	11:59:56.7	0:54:11	300	90	2.0	#87 IRAC Stars	4	
0313.HD104183	45	6:24	11:59:56.7	0:54:11	300	90	2.0	#87 IRAC Stars	4	
0314.COMP	5	6:25	11:59:56.7	0:54:11	300	90	2.0	#87 IRAC Stars	4	
0315.HD109898	30	6:26	12:38:29.4	-11:26:47	300	90	2.0	#87 IRAC Stars	4	
0316.HD109898	45	6:27	12:38:29.4	-11:26:47	300	90	2.0	#87 IRAC Stars	4	
0317.HD109898	45	6:28	12:38:29.4	-11:26:47	300	90	2.0	#87 IRAC Stars	4	
0318.COMP	5	6:29	12:38:29.4	-11:26:47	300	90	2.0	#87 IRAC Stars	4	
0319.Feige34	90	6:31	10:36:41.2	43:21:50	300	90	2.0	#87 IRAC Stars	4	
0320.Feige34	90	6:32	10:36:41.2	43:21:50	300	90	2.0	#87 IRAC Stars	4	
0321.COMP	5	6:34	10:36:41.2	43:21:50	300	90	2.0	#87 IRAC Stars	4	
0322.BIAS	0	6:36	11:40:00	30:0:0	300	90	3.0	#87 IRAC Stars	4	3-sec slit back in
0323.N4051	120	6:36	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0324.N4051	120	6:39	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0325.COMP	5	6:41	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0326.N4151	30	6:42	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0327.N4151	30	6:42	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0328.N4151	30	6:43	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0329.COMP	5	6:44	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0330.SN2001V	1200	6:46	11:57:25.0	25:12:10	300	0	3.0	#2 SN Observat	2	
0331.COMP	10	7:07	11:57:25.0	25:12:10	300	0	3.0	#2 SN Observat	2	
0332.115500-00580_a	1200	7:09	11:57:31.7	-01:15:10	300	90	3.0	#113 Galaxy In	4	seeing worse
0333.COMP	5	7:30	11:57:31.7	-01:15:10	300	90	3.0	#113 Galaxy In	4	
0334.115500-00580_b	1200	7:33	11:57:31.2	-01:17:13	300	90	3.0	#113 Galaxy In	4	high cz
0335.COMP	5	7:53	11:57:31.2	-01:17:13	300	90	3.0	#113 Galaxy In	4	
0336.120206+11190_a	1200	7:54	12:04:38.6	11:02:59	300	90	3.0	#113 Galaxy In	4	
0337.COMP	5	8:14	12:04:38.6	11:02:59	300	90	3.0	#113 Galaxy In	4	
0338.120206+11190_b	660	8:15	12:04:43.9	11:01:58	300	90	3.0	#113 Galaxy In	4	
0339.COMP	5	8:26	12:04:43.9	11:01:58	300	90	3.0	#113 Galaxy In	4	
0340.HZ44	120	8:27	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0341.HZ44	120	8:29	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0342.COMP	10	8:32	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0343.125818-01050_a	1200	8:33	13:00:54.4	-01:20:47	300	90	3.0	#113 Galaxy In	4	
0344.COMP	5	8:54	13:00:54.4	-01:20:47	300	90	3.0	#113 Galaxy In	4	
0345.125818-01050_b	900	8:54	13:00:49.0	-01:21:37	300	90	3.0	#113 Galaxy In	4	
0346.COMP	5	9:10	13:00:49.0	-01:21:37	300	90	3.0	#113 Galaxy In	4	
0347.TXCVn	10	9:11	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	4	
0348.TXCVn	30	9:12	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	4	
0349.TXCVn	30	9:12	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0350.COMP	5	9:13	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	4	
0351.RWHya	5	9:16	13:34:18	-25:22:51	300	0	3.0	#12 Symbiotic	4	
0352.RWHya	2	9:17	13:34:18	-25:22:51	300	0	3.0	#12 Symbiotic	4	
0353.RWHya	15	9:17	13:34:18	-25:22:51	300	0	3.0	#12 Symbiotic	4	
0354.RWHya	30	9:18	13:34:18	-25:22:51	300	0	3.0	#12 Symbiotic	4	
0355.COMP	5	9:19	13:34:18	-25:22:51	300	0	3.0	#12 Symbiotic	4	
0356.BD21d3873	10	9:19	14:16:34	-21:45:51	300	0	3.0	#12 Symbiotic	4	
0357.BD21d3873	20	9:20	14:16:34	-21:45:51	300	0	3.0	#12 Symbiotic	4	
0358.BD21d3873	90	9:21	14:16:34	-21:45:51	300	0	3.0	#12 Symbiotic	4	
0359.COMP	5	9:23	14:16:34	-21:45:51	300	0	3.0	#12 Symbiotic	4	
0360.142506+03100_b	900	9:25	14:27:37.9	02:58:54	300	0	3.0	#113 Galaxy In	4	seeing better
0361.COMP	5	9:40	14:27:37.9	02:58:54	300	0	3.0	#113 Galaxy In	4	
0362.143300+23110_b	540	9:42	14:35:25.1	22:56:05	300	90	3.0	#113 Galaxy In	4	
0363.COMP	5	9:51	14:35:25.1	22:56:05	300	90	3.0	#113 Galaxy In	4	
0364.144648+22240_b	600	9:52	14:49:02.7	22:10:04	300	90	3.0	#113 Galaxy In	4	
0365.COMP	5	10:02	14:49:02.7	22:10:04	300	90	3.0	#113 Galaxy In	4	
0366.sheep31a	1200	10:03	13:54:08.5	+33:40:22	300	90	3.0	#125 Hard X-Ra	4	M*
0367.COMP	5	10:24	13:54:08.5	+33:40:22	300	90	3.0	#125 Hard X-Ra	4	
0368.sheep33_b	1200	10:25	14:26:52.6	+26:19:25	300	90	3.0	#125 Hard X-Ra	4	H+K @ 5000A?; M* in slit to E
0369.COMP	5	10:45	14:26:52.6	+26:19:25	300	90	3.0	#125 Hard X-Ra	4	may need another 40-min?

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0370.sheep33	1200	10:46	14:26:52.6	+26:19:25	300	90	3.0	#125 Hard X-Ra	4	
0371.COMP	5	11:06	14:26:52.6	+26:19:25	300	90	3.0	#125 Hard X-Ra	4	
0372.sheep47	1200	11:07	14:28:07.7	+23:37:23	300	90	3.0	#125 Hard X-Ra	4	
0373.COMP	5	11:28	14:28:07.7	+23:37:23	300	90	3.0	#125 Hard X-Ra	4	
0374.sheep80	30	11:28	14:26:56.6	+23:36:54	300	90	3.0	#125 Hard X-Ra	4	clouds in the fast west
0375.COMP	5	11:29	14:26:56.6	+23:36:54	300	90	3.0	#125 Hard X-Ra	4	
0376.HD154791	1	11:30	17:06:34	23:58:17	300	90	3.0	#12 Symbiotic	4	
0377.HD154791	2	11:31	17:06:34	23:58:17	300	90	3.0	#12 Symbiotic	4	
0378.HD154791	2	11:31	17:06:34	23:58:17	300	90	3.0	#12 Symbiotic	4	
0379.HD154791	6	11:32	17:06:34	23:58:17	300	90	3.0	#12 Symbiotic	4	
0380.COMP	5	11:32	17:06:34	23:58:17	300	90	3.0	#12 Symbiotic	4	
0381.DracoC1	900	11:33	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	4	
0382.COMP	5	11:49	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	4	
0383.YYHer	10	11:50	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0384.YYHer	30	11:50	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0385.YYHer	360	11:51	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0386.COMP	5	11:57	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0387.S149	10	11:58	18:18:56	27:26:27	300	90	3.0	#12 Symbiotic	4	
0388.S149	30	11:59	18:18:56	27:26:27	300	90	3.0	#12 Symbiotic	4	
0389.S149	360	11:59	18:18:56	27:26:27	300	90	3.0	#12 Symbiotic	4	

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0390.COMP	5	12:06	18:18:56	27:26:27	300	90	3.0	#12 Symbiotic	4	
0391.N5866	180	12:07	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	clouds moving in fast @ twilight
0392.COMP	5	12:10	15:05:07.2	+55:57:18	300	90	3.0	#57 Velocity S	4	
0393.BDp332642	60	12:11	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	4	
0394.BDp332642	120	12:12	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	4	
0395.COMP	5	12:15	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	4	
0396-0405.BIAS	0	12:19	15:50:03	33:05:49	300	90	3.0	#12 Symbiotic	4	
0406-0415.FLAT	8	12:22	15:50:03	33:05:49	300	90	3.0	#12 Symbiotic	4	
0416-0425.BIAS	0	12:24	15:50:03	33:05:49	300	90	3.0	#12 Symbiotic	2	
0426-0435.FLAT	16	12:29	15:50:03	33:05:49	300	90	3.0	#12 Symbiotic	2	

UT Date 2001-03-29 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0002.DARK	1200	21:52	03:13:26.0	31:30:16	300	90	3.0	#12 Symbiotic	2	
0003.DARK	1200	22:12	03:33:41.0	31:30:17	300	90	3.0	#12 Symbiotic	2	
0004-0005.DARK	1200	22:52	04:14:16.0	31:30:18	300	90	3.0	#12 Symbiotic	2	
0006.DARK	1200	23:12	04:34:31.0	31:30:20	300	90	3.0	#12 Symbiotic	2	
0007.DARK	1200	23:33	04:54:50.0	31:30:21	300	90	3.0	#12 Symbiotic	2	
0008.DARK	1200	23:53	05:15:05.0	31:30:22	300	90	3.0	#12 Symbiotic	2	
0009.DARK	1200	0:13	05:35:20.0	31:30:23	300	90	3.0	#12 Symbiotic	2	
0010.DARK	1200	0:33	05:55:39.0	31:30:25	300	90	3.0	#12 Symbiotic	2	
0011-0014.BIAS	0	1:31	06:32:58.0	31:30:27	300	90	3.0	#12 Symbiotic	4	
0015-0020.BIAS	0	1:31	06:33:42.0	31:30:28	300	90	3.0	#12 Symbiotic	4	
0021.FLAT	8	1:32	06:34:13.0	31:30:28	300	90	3.0	#12 Symbiotic	4	cirrus; moon
0022-0030.FLAT	8	1:34	06:36:36.0	31:30:28	300	90	3.0	#12 Symbiotic	4	
0031-0040.BIAS	0	1:36	06:38:55.0	31:30:28	300	90	3.0	#12 Symbiotic	2	
0041-0050.FLAT	16	1:41	06:44:07.0	31:30:28	300	90	3.0	#12 Symbiotic	2	
0051-0055.sky	2	1:54	6:50:00	30:0:0	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	1:54	6:50:00	30:0:0	300	90	3.0	#57 Velocity S	4	
0057.HD52971	4	2:18	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0058.HD52971	4	2:19	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0059.HD52971	4	2:19	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0060.COMP	5	2:19	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	

UT Date 2001-03-29 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0061.Hiltner600	45	2:21	06:42:37.2	02:11:25	300	17	3.0	#56 Spectropho	4	
0062.Hiltner600	45	2:23	06:42:37.2	02:11:25	300	17	3.0	#56 Spectropho	4	
0063.COMP	5	2:24	06:42:37.2	02:11:25	300	17	3.0	#56 Spectropho	4	
0064.BXMon	15	2:25	7:25:23	-03:35:51	300	17	3.0	#12 Symbiotic	4	
0065.BXMon	45	2:25	7:25:23	-03:35:51	300	17	3.0	#12 Symbiotic	4	
0066.BXMon	180	2:26	7:25:23	-03:35:51	300	17	3.0	#12 Symbiotic	4	
0067.COMP	5	2:30	7:25:23	-03:35:51	300	17	3.0	#12 Symbiotic	4	
0068.2M055145.4p505023	180	2:32	05:51:45.4	+50:50:23	300	17	3.0	#68 2MASS Reds	4	
0069.COMP	5	2:36	05:51:45.4	+50:50:23	300	17	3.0	#68 2MASS Reds	4	
0070.2M061429.4p510651	180	2:36	06:14:29.3	+51:06:51	300	17	3.0	#68 2MASS Reds	4	
0071.COMP	5	2:40	06:14:29.3	+51:06:51	300	17	3.0	#68 2MASS Reds	4	
0072.2M061436.6p513040	150	2:40	06:14:36.6	+51:30:40	300	17	3.0	#68 2MASS Reds	4	
0073.COMP	5	2:43	06:14:36.6	+51:30:40	300	17	3.0	#68 2MASS Reds	4	
0074.2M061407.8p510403	210	2:44	06:14:07.8	+51:04:03	300	17	3.0	#68 2MASS Reds	4	
0075.COMP	5	2:47	06:14:07.8	+51:04:03	300	17	3.0	#68 2MASS Reds	4	
0076.2M061510.2p513818	150	2:48	06:15:10.2	+51:38:18	300	17	3.0	#68 2MASS Reds	4	
0077.COMP	5	2:51	06:15:10.2	+51:38:18	300	17	3.0	#68 2MASS Reds	4	
0078.2M061532.3p561445	180	2:52	06:15:32.2	+56:14:45	300	17	3.0	#68 2MASS Reds	4	
0079.COMP	5	2:55	06:15:32.2	+56:14:45	300	17	3.0	#68 2MASS Reds	4	
0080.2M061533.4p515847	180	2:55	06:15:33.4	+51:58:47	300	17	3.0	#68 2MASS Reds	4	

UT Date 2001-03-29 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0081.COMP	5	2:59	06:15:33.4	+51:58:47	300	17	3.0	#68 2MASS Reds	4	
0082.2M061855.9p512806	180	2:59	06:18:55.8	+51:28:06	300	17	3.0	#68 2MASS Reds	4	
0083.COMP	5	3:03	06:18:55.8	+51:28:06	300	17	3.0	#68 2MASS Reds	4	
0084.2M062026.0p533450	150	3:03	06:20:26.0	+53:34:50	300	17	3.0	#68 2MASS Reds	4	
0085.COMP	5	3:06	06:20:26.0	+53:34:50	300	17	3.0	#68 2MASS Reds	4	
0086.BGGem_0	180	3:07	6:03:31	27:41:50	300	17	3.0	#100 BGGem	2	
0087.BGGem	900	3:11	6:03:31	27:41:50	300	17	3.0	#100 BGGem	2	
0088.COMP	10	3:26	6:03:31	27:41:50	300	17	3.0	#100 BGGem	2	
0089.2M053018.1p532115	300	3:27	05:30:18.1	+53:21:15	300	17	3.0	#68 2MASS Reds	4	
0090.COMP	5	3:33	05:30:18.1	+53:21:15	300	17	3.0	#68 2MASS Reds	4	
0091.2M053103.3p611745	300	3:33	05:31:03.2	+61:17:45	300	17	3.0	#68 2MASS Reds	4	
0092.COMP	5	3:39	05:31:03.2	+61:17:45	300	17	3.0	#68 2MASS Reds	4	
0093.2M053426.0p513505	420	3:40	05:34:26.0	+51:35:05	300	17	3.0	#68 2MASS Reds	4	
0094.COMP	5	3:47	05:34:26.0	+51:35:05	300	17	3.0	#68 2MASS Reds	4	
0095.MRK110_13505	300	3:49	09:25:12.9	+52:17:10	300	17	3.0	#6 AGN Monitor	4	
0096.COMP	5	3:54	09:25:12.9	+52:17:10	300	17	3.0	#6 AGN Monitor	4	
0097.N3227_13505	90	3:55	10:23:30.6	+19:51:54	300	17	3.0	#6 AGN Monitor	4	
0098.N3227_13505	90	3:57	10:23:30.6	+19:51:54	300	17	3.0	#6 AGN Monitor	4	
0099.COMP	5	3:59	10:23:30.6	+19:51:54	300	17	3.0	#6 AGN Monitor	4	
0100.110936+45330_a	1200	4:00	11:12:26.8	45:15:55	300	90	3.0	#113 Galaxy In	4	

UT Date 2001-03-29 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0101.COMP	5	4:20	11:12:26.8	45:15:55	300	90	3.0	#113 Galaxy In	4	
0102.110936+45330_b	900	4:21	11:12:29.6	45:14:03	300	90	3.0	#113 Galaxy In	4	
0103.COMP	5	4:36	11:12:29.6	45:14:03	300	90	3.0	#113 Galaxy In	4	
0104.112218+35540_a	1200	4:37	11:25:01.3	35:37:44	300	90	3.0	#113 Galaxy In	4	
0105.COMP	5	4:57	11:25:01.3	35:37:44	300	90	3.0	#113 Galaxy In	4	
0106.112218+35540_b	420	4:58	11:25:22.0	35:40:34	300	90	3.0	#113 Galaxy In	4	
0107.COMP	5	5:05	11:25:22.0	35:40:34	300	90	3.0	#113 Galaxy In	4	
0108.113136+12480_ab	900	5:08	11:34:11.8	12:30:43	300	-6	3.0	#113 Galaxy In	2	a is @ row96; b is @ row 70
0109.COMP	10	5:24	11:34:11.8	12:30:43	300	-6	3.0	#113 Galaxy In	2	
0110.Feige34	90	5:25	10:36:41.2	43:21:50	300	10	3.0	#56 Spectropho	2	
0111.Feige34	90	5:27	10:36:41.2	43:21:50	300	10	3.0	#56 Spectropho	2	
0112.COMP	10	5:29	10:36:41.2	43:21:50	300	10	3.0	#56 Spectropho	2	delay to try to fix tv images, better
0113.SNugc6211	1200	5:51	11:10:29.8	55:09:39	300	10	3.0	#2 SN Observat	2	
0114.COMP	10	6:12	11:10:29.8	55:09:39	300	10	3.0	#2 SN Observat	2	
0115.113148+33270_a	720	6:14	11:34:27.7	33:10:44	300	90	3.0	#113 Galaxy In	4	
0116.COMP	5	6:27	11:34:27.7	33:10:44	300	90	3.0	#113 Galaxy In	4	
0117.113148+33270_bc	900	6:30	11:34:14.1	33:13:35	300	-20	3.0	#113 Galaxy In	2	b is @ row 81 (LSB); c is @ row 100
0118.COMP	10	6:45	11:34:14.1	33:13:35	300	-20	3.0	#113 Galaxy In	2	
0119.SN2001V	1200	6:47	11:57:25.0	25:12:10	300	0	3.0	#2 SN Observat	2	
0120.COMP	10	7:08	11:57:25.0	25:12:10	300	0	3.0	#2 SN Observat	2	

UT Date 2001-03-29 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0121.114254+00170_a	1200	7:10	11:45:26.2	00:00:14	300	0	3.0	#113 Galaxy In	4	
0122.COMP	5	7:30	11:45:26.2	00:00:14	300	0	3.0	#113 Galaxy In	4	
0123.114254+00170_b	600	7:31	11:45:35.5	00:01:08	300	0	3.0	#113 Galaxy In	4	
0124.COMP	5	7:42	11:45:35.5	00:01:08	300	0	3.0	#113 Galaxy In	4	
0125.114430+13590_a	1200	7:43	11:47:06.3	13:42:26	300	0	3.0	#113 Galaxy In	2	
0126.COMP	10	8:03	11:47:06.3	13:42:26	300	0	3.0	#113 Galaxy In	2	
0127.114430+13590_b	720	8:04	11:47:00.5	13:42:44	300	0	3.0	#113 Galaxy In	4	
0128.COMP	5	8:17	11:47:00.5	13:42:44	300	0	3.0	#113 Galaxy In	4	
0129.HZ44	120	8:18	13:21:19.0	36:23:39	300	0	3.0	#56 Spectropho	2	
0130.HZ44	120	8:20	13:21:19.0	36:23:39	300	0	3.0	#56 Spectropho	2	
0131.COMP	10	8:23	13:21:19.0	36:23:39	300	0	3.0	#56 Spectropho	2	
0132.SNngc5278_05	120	8:25	13:41:43.8	+55:40:23	300	0	3.0	#2 SN Observat	2	
0133.SNngc5278	1200	8:29	13:41:43.8	+55:40:23	300	0	3.0	#2 SN Observat	2	
0134.COMP	10	8:50	13:41:43.8	+55:40:23	300	0	3.0	#2 SN Observat	2	
0135.MRK279	240	8:51	13:51:53.6	69:33:13	300	0	3.0	#6 AGN Monitor	4	
0136.COMP	5	8:56	13:51:53.6	69:33:13	300	0	3.0	#6 AGN Monitor	4	
0137.130436+13550_ab	1200	8:59	13:07:03.2	13:38:11	300	93	3.0	#113 Galaxy In	2	a is @ row 85; b is @ row 94
0138.COMP	10	9:19	13:07:03.2	13:38:11	300	93	3.0	#113 Galaxy In	2	
0139.130018+15470_a	900	9:20	13:02:43.4	15:30:24	300	93	3.0	#113 Galaxy In	4	
0140.COMP	5	9:35	13:02:43.4	15:30:24	300	93	3.0	#113 Galaxy In	4	

UT Date 2001-03-29 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0141.130018+15470_b	900	9:36	13:02:52.8	15:30:16	300	93	3.0	#113 Galaxy In	4	
0142.COMP	5	9:51	13:02:52.8	15:30:16	300	93	3.0	#113 Galaxy In	4	
0143.150854+01460_b	480	9:53	15:11:25.1	01:34:31	300	93	3.0	#113 Galaxy In	4	
0144.COMP	5	10:01	15:11:25.1	01:34:31	300	93	3.0	#113 Galaxy In	4	
0145.N5548_b	120	10:02	14:17:59.6	+25:08:12	300	93	3.0	#6 AGN Monitor	4	
0146.N5548_b	120	10:04	14:17:59.6	+25:08:12	300	93	3.0	#6 AGN Monitor	4	
0147.COMP	5	10:06	14:17:59.6	+25:08:12	300	93	3.0	#6 AGN Monitor	4	
0148.sheep33ew	1200	10:08	14:26:52.6	+26:19:25	300	93	3.0	#125 Hard X-Ra	4	cont. from yesterday.please extract both comps;
0149.COMP	5	10:29	14:26:52.6	+26:19:25	300	93	3.0	#125 Hard X-Ra	4	e @ row 51; w @ row 42
0150.sheep33ew	1200	10:29	14:26:52.6	+26:19:25	300	93	3.0	#125 Hard X-Ra	4	yes; H+K @ 5000A
0151.COMP	5	10:50	14:26:52.6	+26:19:25	300	93	3.0	#125 Hard X-Ra	4	
0152.sheep17	1200	10:51	15:31:52.3	+24:14:31	300	93	3.0	#125 Hard X-Ra	4	
0153.COMP	5	11:11	15:31:52.3	+24:14:31	300	93	3.0	#125 Hard X-Ra	4	
0154.UKSCe1	600	11:17	16:15:30	-22:12:15	300	0	3.0	#12 Symbiotic	4	
0155.COMP	5	11:27	16:15:30	-22:12:15	300	0	3.0	#12 Symbiotic	4	
0156.Hen1341_05	10	11:28	17:08:36	-17:26:30	300	0	3.0	#12 Symbiotic	4	
0157.Hen1341	30	11:29	17:08:36	-17:26:30	300	0	3.0	#12 Symbiotic	4	
0158.Hen1341	90	11:29	17:08:36	-17:26:30	300	0	3.0	#12 Symbiotic	4	
0159.COMP	5	11:31	17:08:36	-17:26:30	300	0	3.0	#12 Symbiotic	4	
0160.M1m21	5	11:33	17:34:17	-19:09:24	300	0	3.0	#12 Symbiotic	4	

UT Date 2001-03-29 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0161.M1m21	20	11:33	17:34:17	-19:09:24	300	0	3.0	#12 Symbiotic	4	
0162.M1m21	360	11:34	17:34:17	-19:09:24	300	0	3.0	#12 Symbiotic	4	
0163.COMP	5	11:40	17:34:17	-19:09:24	300	0	3.0	#12 Symbiotic	4	
0164.RTSer	10	11:41	17:39:52	-11:56:39	300	0	3.0	#12 Symbiotic	4	
0165.RTSer	40	11:41	17:39:52	-11:56:39	300	0	3.0	#12 Symbiotic	4	
0166.RTSer	360	11:42	17:39:52	-11:56:39	300	0	3.0	#12 Symbiotic	4	
0167.COMP	5	11:48	17:39:52	-11:56:39	300	0	3.0	#12 Symbiotic	4	
0168.UUSer	30	11:49	17:42:39	-15:24:45	300	0	3.0	#12 Symbiotic	4	
0169.UUSer	90	11:50	17:42:39	-15:24:45	300	0	3.0	#12 Symbiotic	4	
0170.UUSer	360	11:52	17:42:39	-15:24:45	300	0	3.0	#12 Symbiotic	4	
0171.COMP	5	11:58	17:42:39	-15:24:45	300	0	3.0	#12 Symbiotic	4	
0172.XX0ph	1	11:59	17:43:56	-06:16:08	300	0	3.0	#12 Symbiotic	4	
0173.XX0ph	5	11:59	17:43:56	-06:16:08	300	0	3.0	#12 Symbiotic	4	
0174.XX0ph	10	11:59	17:43:56	-06:16:08	300	0	3.0	#12 Symbiotic	4	
0175.COMP	5	12:00	17:43:56	-06:16:08	300	0	3.0	#12 Symbiotic	4	
0176.RS0ph	10	12:00	17:50:13	-06:42:30	300	0	3.0	#12 Symbiotic	4	
0177.RS0ph	20	12:01	17:50:13	-06:42:30	300	0	3.0	#12 Symbiotic	4	
0178.RS0ph	240	12:01	17:50:13	-06:42:30	300	0	3.0	#12 Symbiotic	4	
0179.COMP	5	12:06	17:50:13	-06:42:30	300	0	3.0	#12 Symbiotic	4	
0180.110m471	4	12:06	18:41:27	00:33:54	300	0	3.0	#87 IRAC Stars	4	

UT Date 2001-03-29 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0181.110m471	4	12:07	18:41:27	00:33:54	300	0	3.0	#87 IRAC Stars	4	
0182.110m471	4	12:07	18:41:27	00:33:54	300	0	3.0	#87 IRAC Stars	4	
0183.110m471	8	12:07	18:41:27	00:33:54	300	0	3.0	#87 IRAC Stars	4	
0184.COMP	5	12:08	18:41:27	00:33:54	300	0	3.0	#87 IRAC Stars	4	
0185.CICyg	10	12:09	19:50:12	35:41:02	300	0	3.0	#12 Symbiotic	4	
0186.CICyg	5	12:10	19:50:12	35:41:02	300	0	3.0	#12 Symbiotic	4	
0187.CICyg	60	12:10	19:50:12	35:41:02	300	0	3.0	#12 Symbiotic	4	
0188.COMP	5	12:11	19:50:12	35:41:02	300	0	3.0	#12 Symbiotic	4	
0189.CHCyg	1	12:12	19:24:33	50:14:30	300	0	3.0	#12 Symbiotic	4	
0190.CHCyg	5	12:13	19:24:33	50:14:30	300	0	3.0	#12 Symbiotic	4	
0191.CHCyg	1	12:13	19:24:33	50:14:30	300	0	3.0	#12 Symbiotic	4	
0192.COMP	5	12:13	19:24:33	50:14:30	300	0	3.0	#12 Symbiotic	4	
0193.BFCyg	1	12:14	19:23:53	29:40:27	300	0	3.0	#12 Symbiotic	4	
0194.BFCyg	10	12:15	19:23:53	29:40:27	300	0	3.0	#12 Symbiotic	4	
0195.BFCyg	6	12:15	19:23:53	29:40:27	300	0	3.0	#12 Symbiotic	4	
0196.BFCyg	60	12:15	19:23:53	29:40:27	300	0	3.0	#12 Symbiotic	4	
0197.COMP	5	12:17	19:23:53	29:40:27	300	0	3.0	#12 Symbiotic	4	
0198.V443Her	10	12:18	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0199.V443Her	90	12:19	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0200.V443Her	5	12:21	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	

UT Date 2001-03-29 Observers P BerlindColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0201.COMP	5	12:21	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0202.BDp332642_05	60	12:22	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	4	
0203.BDp332642	60	12:23	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	4	
0204.COMP	5	12:24	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	4	
0205-0214.BIAS	0	12:27	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	4	
0215-0224.FLAT	8	12:30	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	4	
0225-0234.BIAS	0	12:33	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0235-0244.FLAT	16	12:38	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	2	
0245-0254.DARK	900	15:06	15:50:03	33:05:49	300	90	3.0	#56 Spectropho	4	

UT Date 2001-03-30 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001.DARK	900	1:16	06:36:57.0	31:30:28	300	90	2.0	#88	2	
0002.DARK	900	1:31	06:52:12.0	31:30:29	300	90	2.0	#88	2	
0003.DARK	900	1:46	07:07:28.0	31:30:30	300	90	2.0	#88	2	
0004.DARK	900	2:01	07:22:52.0	31:30:31	300	90	2.0	#88	2	
0005-0014.BIAS	0	2:21	07:27:07.0	31:30:32	300	90	2.0	#88	2	
0015-0022.FLAT	35	2:29	07:35:40.0	31:30:32	300	90	2.0	#88	2	
0023-0024.FLAT	35	2:30	07:37:19.0	31:30:33	300	90	2.0	#88	2	
0025.Hiltner600	60	2:41	06:42:37.2	02:11:25	300	11	2.0	#56 Spectropho	2	
0026.Hiltner600	60	2:43	06:42:37.2	02:11:25	300	11	2.0	#56 Spectropho	2	
0027.COMP	30	2:44	06:42:37.2	02:11:25	300	11	2.0	#56 Spectropho	2	
0028.NGC1700	180	2:50	04:54:28.1	-04:56:30	300	90	2.0	#88f Velocity	2	
0029.NGC1700	180	2:55	04:54:28.1	-04:56:30	300	90	2.0	#88f Velocity	2	
0030.COMP	30	2:58	04:54:28.1	-04:56:30	300	90	2.0	#88f Velocity	2	
0031.HD27348	52	3:04	04:20:24.6	34:34:00	300	90	2.0	#88f Mass Func	2	
0032.COMP	30	3:05	04:20:24.6	34:34:00	300	90	2.0	#88f Mass Func	2	
0033.MF4040	600	3:09	11:16:13.5	+29:23:7	300	72	2.0	#88f Mass Func	2	
0034.MF4040	600	3:19	11:16:13.5	+29:23:7	300	72	2.0	#88f Mass Func	2	
0035.MF4040	600	3:29	11:16:13.5	+29:23:7	300	72	2.0	#88f Mass Func	2	
0036.COMP	30	3:40	11:16:13.5	+29:23:7	300	72	2.0	#88f Mass Func	2	
0037.COMP	30	3:46	10:29:5.0	+27:41:36	300	72	2.0	#88f Mass Func	2	

UT Date 2001-03-30 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0038.MF4037	600	3:47	10:29:5.0	+27:41:36	300	-50	2.0	#88f Mass Func	2	
0039.MF4037	600	3:57	10:29:5.0	+27:41:36	300	-50	2.0	#88f Mass Func	2	
0040.MF4037	600	4:07	10:29:5.0	+27:41:36	300	-50	2.0	#88f Mass Func	2	
0041.COMP	30	4:18	10:29:5.0	+27:41:36	300	-50	2.0	#88f Mass Func	2	
0042.COMP	30	4:24	10:27:14.7	16:02:57	300	-50	2.0	#88f Mass Func	2	
0043.MF7113	600	4:25	10:27:14.7	16:02:57	300	110	2.0	#88f Mass Func	2	
0044.MF7113	600	4:35	10:27:14.7	16:02:57	300	110	2.0	#88f Mass Func	2	
0045.MF7113	600	4:46	10:27:14.7	16:02:57	300	110	2.0	#88f Mass Func	2	
0046.COMP	30	4:56	10:27:14.7	16:02:57	300	110	2.0	#88f Mass Func	2	
0047.MF4065	450	4:59	12:20:12.6	+58:5:34	300	110	2.0	#88f Mass Func	2	
0048.MF4065	450	5:07	12:20:12.6	+58:5:34	300	110	2.0	#88f Mass Func	2	
0049.COMP	30	5:15	12:20:12.6	+58:5:34	300	110	2.0	#88f Mass Func	2	
0050.COMP	30	5:18	10:29:49.3	51:48:06	300	110	2.0	#88f Mass Func	2	
0051.MF7128	900	5:18	10:29:49.3	51:48:06	300	60	2.0	#88f Mass Func	2	lengthen exposures due to clouds
0052.MF7128	900	5:34	10:29:49.3	51:48:06	300	60	2.0	#88f Mass Func	2	
0053.MF7128	900	5:49	10:29:49.3	51:48:06	300	60	2.0	#88f Mass Func	2	
0054.COMP	30	6:04	10:29:49.3	51:48:06	300	60	2.0	#88f Mass Func	2	
0055.HD48433	48	6:07	06:43:59.3	13:13:40	300	90	2.0	#88f Mass Func	2	
0056.COMP	30	6:09	06:43:59.3	13:13:40	300	90	2.0	#88f Mass Func	2	
0057.COMP	30	6:13	11:26:55.6	+22:36:3	300	100	2.0	#88f Mass Func	2	

UT Date 2001-03-30 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0058.MF0012	1200	6:14	11:26:55.6	+22:36:3	300	100	2.0	#88f Mass Func	2	
0059.MF0012	1200	6:34	11:26:55.6	+22:36:3	300	100	2.0	#88f Mass Func	2	
0060.MF0012	1200	6:55	11:26:55.6	+22:36:3	300	100	2.0	#88f Mass Func	2	
0061.COMP	30	7:15	11:26:55.6	+22:36:3	300	100	2.0	#88f Mass Func	2	
0062.PG0939p262	420	7:17	09:39:58.8	26:14:42	300	68	2.0	#56 Spectropho	2	
0063.COMP	30	7:25	09:39:58.8	26:14:42	300	68	2.0	#56 Spectropho	2	
0064.NGC4168	180	7:29	12:09:43.5	13:29:05	300	-34	2.0	#88f Mass Func	2	
0065.NGC4168	180	7:32	12:09:43.5	13:29:05	300	-34	2.0	#88f Mass Func	2	
0066.COMP	30	7:35	12:09:43.5	13:29:05	300	-34	2.0	#88f Mass Func	2	
0067.COMP	30	7:40	14:54:32.2	+37:04:32	300	-34	2.0	#88f Mass Func	2	
0068.MF0063	900	7:41	14:54:32.2	+37:04:32	300	106	2.0	#88f Mass Func	2	
0069.MF0063	900	7:56	14:54:32.2	+37:04:32	300	106	2.0	#88f Mass Func	2	
0070.MF0063	900	8:12	14:54:32.2	+37:04:32	300	106	2.0	#88f Mass Func	2	
0071.COMP	30	8:27	14:54:32.2	+37:04:32	300	106	2.0	#88f Mass Func	2	
0072.HD117876	54	8:29	13:32:48.2	24:20:48	300	90	2.0	#88f Mass Func	2	
0073.COMP	30	8:31	13:32:48.2	24:20:48	300	90	2.0	#88f Mass Func	2	
0074.COMP	30	8:34	11:35:24.8	+57:38:59	300	90	2.0	#88f Mass Func	2	
0075.MF4050	600	8:35	11:35:24.8	+57:38:59	300	110	2.0	#88f Mass Func	2	
0076.MF4050	600	8:45	11:35:24.8	+57:38:59	300	110	2.0	#88f Mass Func	2	
0077.MF4050	600	8:56	11:35:24.8	+57:38:59	300	110	2.0	#88f Mass Func	2	

UT Date 2001-03-30 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0078.COMP	30	9:06	11:35:24.8	+57:38:59	300	110	2.0	#88f Mass Func	2	
0079.COMP	30	9:10	11:38:36.1	+33:52:5	300	110	2.0	#88f Mass Func	2	
0080.MF7059	600	9:11	11:38:36.1	+33:52:5	300	-35	2.0	#88f Mass Func	2	
0081.MF7059	600	9:21	11:38:36.1	+33:52:5	300	-35	2.0	#88f Mass Func	2	
0082.MF7059	600	9:32	11:38:36.1	+33:52:5	300	-35	2.0	#88f Mass Func	2	
0083.COMP	30	9:42	11:38:36.1	+33:52:5	300	-35	2.0	#88f Mass Func	2	
0084.COMP	30	9:49	11:41:25.8	+27:51:33	300	-35	2.0	#88f Mass Func	2	
0085.MF4051	600	9:50	11:41:25.8	+27:51:33	300	-60	2.0	#88f Mass Func	2	
0086.MF4051	600	10:00	11:41:25.8	+27:51:33	300	-60	2.0	#88f Mass Func	2	
0087.MF4051	600	10:10	11:41:25.8	+27:51:33	300	-60	2.0	#88f Mass Func	2	
0088.COMP	30	10:21	11:41:25.8	+27:51:33	300	-60	2.0	#88f Mass Func	2	
0089.COMP	30	10:27	12:59:08.1	+27:47:3	300	-60	2.0	#88f Mass Func	2	
0090.MF7086	900	10:28	12:59:08.1	+27:47:3	300	-50	2.0	#88f Mass Func	2	
0091.MF7086	900	10:43	12:59:08.1	+27:47:3	300	-50	2.0	#88f Mass Func	2	
0092.MF7086	900	10:58	12:59:08.1	+27:47:3	300	-50	2.0	#88f Mass Func	2	
0093.COMP	30	11:14	12:59:08.1	+27:47:3	300	-50	2.0	#88f Mass Func	2	
0094.COMP	30	11:16	14:14:54.4	+60:00:40	300	-50	2.0	#88f Mass Func	2	
0095.MF4076	600	11:17	14:14:54.4	+60:00:40	300	32	2.0	#88f Mass Func	2	
0096.MF4076	600	11:28	14:14:54.4	+60:00:40	300	32	2.0	#88f Mass Func	2	
0097.MF4076	600	11:38	14:14:54.4	+60:00:40	300	32	2.0	#88f Mass Func	2	

UT Date 2001-03-30 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0098.COMP	30	11:48	14:14:54.4	+60:00:40	300	32	2.0	#88f Mass Func	2	
0099.COMP	30	11:56	14:00:15.6	+38:30:10	300	32	2.0	#88f Mass Func	2	
0100.MF0047	600	11:57	14:00:15.6	+38:30:10	300	-40	2.0	#88f Mass Func	2	
0101.MF0047	600	12:07	14:00:15.6	+38:30:10	300	-40	2.0	#88f Mass Func	2	
0102.MF0047	600	12:17	14:00:15.6	+38:30:10	300	-40	2.0	#88f Mass Func	2	
0103.COMP	30	12:27	14:00:15.6	+38:30:10	300	-40	2.0	#88f Mass Func	2	
0104.BDp332642	120	12:30	15:50:03	33:05:49	300	86	2.0	#56 Spectropho	2	
0105.COMP	30	12:33	15:50:03	33:05:49	300	86	2.0	#56 Spectropho	2	
0106.HD155344	53	12:35	17:09:56.9	26:27:19	300	90	2.0	#88f Velocity	2	
0107.COMP	30	12:36	17:09:56.9	26:27:19	300	90	2.0	#88f Velocity	2	
0108-0112.sky	2	13:08	17:09:56.9	26:27:19	300	90	2.0	#88f Velocity	2	
0113.COMP	30	13:09	17:09:56.9	26:27:19	300	90	2.0	#88f Velocity	2	
0114-0123.BIAS	0	13:12	17:09:56.9	26:27:19	300	90	2.0	#88f Velocity	2	
0124-0133.FLAT	35	13:20	17:09:56.9	26:27:19	300	90	2.0	#88f Velocity	2	
0134-0143.DARK	900	15:40	17:09:56.9	26:27:19	300	90	2.0	#88f Velocity	2	

UT Date 2001-03-31 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	1:17	17:09:56.9	26:27:19	300	90	2.0	#88f Velocity	2	
0011-0020.BIAS	0	1:49	17:09:56.9	26:27:19	300	90	2.0	#88f Velocity	2	
0021-0030.FLAT	35	1:59	17:09:56.9	26:27:19	300	90	2.0	#88f Velocity	2	
0031.PG0934p554	180	3:31	09:34:49.8	55:19:25	300	40	2.0	#56 Spectropho	2	
0032.COMP	30	3:35	09:34:49.8	55:19:25	300	40	2.0	#56 Spectropho	2	
0033.MF2832	450	3:38	08:06:52.7	+19:50:38	300	77	2.0	#56 Spectropho	2	
0034.MF2832	450	3:46	08:06:52.7	+19:50:38	300	77	2.0	#56 Spectropho	2	
0035.COMP	30	3:54	08:06:52.7	+19:50:38	300	77	2.0	#56 Spectropho	2	
0036.MF2706	450	3:58	07:15:22.3	+36:02:17	300	-33	2.0	#56 Spectropho	2	
0037.MF2706	450	4:06	07:15:22.3	+36:02:17	300	-33	2.0	#56 Spectropho	2	
0038.COMP	30	4:14	07:15:22.3	+36:02:17	300	-33	2.0	#56 Spectropho	2	
0039.MF7112	450	4:16	07:59:51.2	+56:54:54	300	-4	2.0	#56 Spectropho	2	
0040.MF7112	450	4:24	07:59:51.2	+56:54:54	300	-4	2.0	#56 Spectropho	2	
0041.COMP	30	4:32	07:59:51.2	+56:54:54	300	-4	2.0	#56 Spectropho	2	
0042.MF4026	900	4:34	09:14:26.1	+36:06:44	300	40	2.0	#56 Spectropho	2	
0043.MF4026	900	4:49	09:14:26.1	+36:06:44	300	40	2.0	#56 Spectropho	2	
0044.MF4026	900	5:05	09:14:26.1	+36:06:44	300	40	2.0	#56 Spectropho	2	
0045.COMP	30	5:20	09:14:26.1	+36:06:44	300	40	2.0	#56 Spectropho	2	
0046.COMP	30	5:23	10:29:49.2	+51:48:6	300	40	2.0	#56 Spectropho	2	
0047.MF7128	900	5:24	10:29:49.2	+51:48:6	300	60	2.0	#56 Spectropho	2	

UT Date 2001-03-31 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0048.MF7128	900	5:39	10:29:49.2	+51:48:6	300	60	2.0	#56 Spectropho	2	
0049.MF7128	900	6:00	10:29:49.2	+51:48:6	300	60	2.0	#56 Spectropho	2	
0050.COMP	30	6:15	10:29:49.2	+51:48:6	300	60	2.0	#56 Spectropho	2	
0051.MF7090	720	6:21	12:00:08.5	+08:54:50	300	15	2.0	#56 Spectropho	2	
0052.MF7090	720	6:34	12:00:08.5	+08:54:50	300	15	2.0	#56 Spectropho	2	
0053.COMP	30	6:46	12:00:08.5	+08:54:50	300	15	2.0	#56 Spectropho	2	
0054.GD140	180	6:53	11:34:27.5	30:04:27	300	-65	2.0	#56 Spectropho	2	
0055.COMP	30	6:56	11:34:27.5	30:04:27	300	-65	2.0	#56 Spectropho	2	
0056.MF7086	720	7:08	12:59:08.1	+27:47:3	300	-49	2.0	#56 Spectropho	2	
0057.MF7086	720	7:20	12:59:08.1	+27:47:3	300	-49	2.0	#56 Spectropho	2	
0058.COMP	30	7:33	12:59:08.1	+27:47:3	300	-49	2.0	#56 Spectropho	2	
0059.MF4037	900	7:39	10:29:05.0	+27:41:36	300	-55	2.0	#56 Spectropho	2	
0060.MF4037	900	7:54	10:29:05.0	+27:41:36	300	-55	2.0	#56 Spectropho	2	
0061.MF4037	900	8:10	10:29:05.0	+27:41:36	300	-55	2.0	#56 Spectropho	2	
0062.COMP	30	8:25	10:29:05.0	+27:41:36	300	-55	2.0	#56 Spectropho	2	
0063.MF7097	720	8:30	09:27:30.4	+55:21:28	300	90	2.0	#56 Spectropho	2	
0064.MF7097	720	8:43	09:27:30.4	+55:21:28	300	90	2.0	#56 Spectropho	2	
0065.COMP	30	8:55	09:27:30.4	+55:21:28	300	90	2.0	#56 Spectropho	2	
0066.MF4040	450	9:02	11:16:13.5	+29:23:7	300	72	2.0	#56 Spectropho	2	
0067.MF4040	450	9:10	11:16:13.5	+29:23:7	300	72	2.0	#56 Spectropho	2	

UT Date 2001-03-31 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0068.COMP	30	9:18	11:16:13.5	+29:23:7	300	72	2.0	#56 Spectropho	2	
0069.COMP	30	9:20	17:03:15.2	+60:20:16	300	72	2.0	#56 Spectropho	2	
0070.MF7048	900	9:22	17:03:15.2	+60:20:16	300	70	2.0	#56 Spectropho	2	
0071.MF7048	900	9:37	17:03:15.2	+60:20:16	300	70	2.0	#56 Spectropho	2	
0072.COMP	30	9:52	17:03:15.2	+60:20:16	300	70	2.0	#56 Spectropho	2	
0073.COMP	30	9:56	14:14:20.8	+07:30:57	300	90	2.0	#56 Spectropho	2	
0074.MF7075	900	9:57	14:14:20.8	+07:30:57	300	80	2.0	#88 Mass Funct	2	
0075.MF7075	900	10:12	14:14:20.8	+07:30:57	300	80	2.0	#88 Mass Funct	2	
0076.COMP	30	10:28	14:14:20.8	+07:30:57	300	80	2.0	#88 Mass Funct	2	
0077.MF0012	450	10:30	11:26:55.6	+22:36:3	300	100	2.0	#88 Mass Funct	2	
0078.MF0012	450	10:38	11:26:55.6	+22:36:3	300	100	2.0	#88 Mass Funct	2	
0079.COMP	30	10:46	11:26:55.6	+22:36:3	300	100	2.0	#88 Mass Funct	2	
0080.COMP	30	10:48	11:35:24.8	+57:38:59	300	100	2.0	#88 Mass Funct	2	
0081.MF4050	900	10:49	11:35:24.8	+57:38:59	300	110	2.0	#88 Mass Funct	2	
0082.MF4050	900	11:05	11:35:24.8	+57:38:59	300	110	2.0	#88 Mass Funct	2	
0083.COMP	30	11:20	11:35:24.8	+57:38:59	300	110	2.0	#88 Mass Funct	2	
0084.COMP	30	11:24	16:24:27.4	+19:28:57	300	110	2.0	#88 Mass Funct	2	
0085.MF7108	900	11:25	16:24:27.4	+19:28:57	300	110	2.0	#88 Mass Funct	2	
0086.MF7108	900	11:40	16:24:27.4	+19:28:57	300	110	2.0	#88 Mass Funct	2	
0087.COMP	30	11:56	16:24:27.4	+19:28:57	300	110	2.0	#88 Mass Funct	2	

UT Date 2001-03-31 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0088.BDp332642	60	11:59	15:50:03	33:05:49	300	89	2.0	#56 Spectropho	2	
0089.COMP	30	12:00	15:50:03	33:05:49	300	89	2.0	#56 Spectropho	2	
0090-0094.sky	2	13:08	15:50:03	33:05:49	300	89	2.0	#56 Spectropho	2	
0095.COMP	30	13:09	15:50:03	33:05:49	300	89	2.0	#56 Spectropho	2	
0096-0105.BIAS	0	13:13	15:50:03	33:05:49	300	89	2.0	#56 Spectropho	2	
0106-0115.FLAT	35	13:21	15:50:03	33:05:49	300	89	2.0	#56 Spectropho	2	
0116-0125.DARK	900	15:52	15:50:03	33:05:49	300	89	2.0	#56 Spectropho	2	

UT Date 2001-04-01 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	1:49	15:50:03	33:05:49	300	89	3.0	#56 Spectropho	4	
0011-0020.BIAS	0	2:06	15:50:03	33:05:49	300	89	3.0	#56 Spectropho	4	
0021-0030.FLAT	6	2:09	15:50:03	33:05:49	300	89	3.0	#56 Spectropho	4	
0031-0040.BIAS	0	2:11	15:50:03	33:05:49	300	89	3.0	#56 Spectropho	2	
0041-0050.FLAT	12	2:17	15:50:03	33:05:49	300	89	3.0	#56 Spectropho	2	
0051.Feige34	90	2:34	10:36:41.2	43:21:50	300	89	3.0	#56 Spectropho	4	
0052.Feige34	90	2:35	10:36:41.2	43:21:50	300	89	3.0	#56 Spectropho	4	
0053.COMP	5	2:37	10:36:41.2	43:21:50	300	89	3.0	#56 Spectropho	4	
0054.Feige34	90	2:39	10:36:41.2	43:21:50	300	84	3.0	#56 Spectropho	2	
0055.Feige34	90	2:41	10:36:41.2	43:21:50	300	84	3.0	#56 Spectropho	2	
0056.COMP	12	2:43	10:36:41.2	43:21:50	300	84	3.0	#56 Spectropho	2	
0057.HD52971	2	2:46	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0058.HD52971	2	2:46	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0059.COMP	12	2:48	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0060.HD52971	2	2:49	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0061.HD52971	2	2:49	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0062.COMP	5	2:49	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0063.nrgb078.063	1200	2:59	10:14:46.9	+39:53:12	300	90	3.0	#59 X-Ray Grou	4	
0064.COMP	5	3:19	10:14:46.9	+39:53:12	300	90	3.0	#59 X-Ray Grou	4	
0065.nrgb078.064	1200	3:21	10:14:55.8	+38:09:47	300	90	3.0	#59 X-Ray Grou	4	

UT Date 2001-04-01 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0066.COMP	5	3:41	10:14:55.8	+38:09:47	300	90	3.0	#59 X-Ray Grou	4	
0067.nrgb078.079	420	3:45	10:15:58.3	+39:14:32	300	90	3.0	#59 X-Ray Grou	4	
0068.COMP	5	3:52	10:15:58.3	+39:14:32	300	90	3.0	#59 X-Ray Grou	4	
0069.nrgb078.082	1200	3:54	10:16:11.4	+38:23:54	300	90	3.0	#59 X-Ray Grou	4	cirrus overhead
0070.COMP	5	4:14	10:16:11.4	+38:23:54	300	90	3.0	#59 X-Ray Grou	4	
0071.nrgb078.083	1200	4:16	10:16:13.6	+38:11:32	300	90	3.0	#59 X-Ray Grou	4	
0072.COMP	5	4:36	10:16:13.6	+38:11:32	300	90	3.0	#59 X-Ray Grou	4	
0073.nrgb078.097	1200	4:38	10:18:07.4	+38:06:39	300	90	3.0	#59 X-Ray Grou	4	
0074.COMP	5	4:58	10:18:07.4	+38:06:39	300	90	3.0	#59 X-Ray Grou	4	
0075.SN2001V	1200	5:02	11:57:25.0	25:12:10	300	110	3.0	#2 SN Observat	2	
0076.COMP	12	5:23	11:57:25.0	25:12:10	300	110	3.0	#2 SN Observat	2	
0077.GD140	180	5:26	11:34:27.5	30:04:27	300	103	3.0	#56 Spectropho	2	
0078.COMP	12	5:29	11:34:27.5	30:04:27	300	103	3.0	#56 Spectropho	2	Would like more counts
0079.GD140	360	5:30	11:34:27.5	30:04:27	300	103	3.0	#56 Spectropho	2	
0080.COMP	12	5:36	11:34:27.5	30:04:27	300	103	3.0	#56 Spectropho	2	
0081.MRK421	240	5:38	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0082.MRK421	240	5:42	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0083.COMP	12	5:47	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	clouds..
0084.hs157	660	6:07	11:31:53.4	29:24:49	600	90	2.0	#122 Halo Star	4	
0085.COMP	5	6:18	11:31:53.4	29:24:49	600	90	2.0	#122 Halo Star	4	

UT Date 2001-04-01 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0086.hs158	540	6:19	11:32:03.1	29:18:03	600	90	2.0	#122 Halo Star	4	
0087.COMP	5	6:29	11:32:03.1	29:18:03	600	90	2.0	#122 Halo Star	4	
0088.Feige34	120	6:29	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0089.COMP	5	6:32	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0090.hs159	900	6:33	11:33:06.8	29:41:20	600	90	2.0	#122 Halo Star	4	
0091.COMP	5	6:49	11:33:06.8	29:41:20	600	90	2.0	#122 Halo Star	4	
0092.hs160	240	6:50	11:34:29.6	29:14:39	600	90	2.0	#122 Halo Star	4	
0093.COMP	5	6:55	11:34:29.6	29:14:39	600	90	2.0	#122 Halo Star	4	
0094.hs161	570	6:56	11:35:26.5	29:39:02	600	90	2.0	#122 Halo Star	4	
0095.COMP	5	7:06	11:35:26.5	29:39:02	600	90	2.0	#122 Halo Star	4	
0096.hs162	1020	7:06	11:35:27.6	29:35:36	600	90	2.0	#122 Halo Star	4	
0097.COMP	5	7:24	11:35:27.6	29:35:36	600	90	2.0	#122 Halo Star	4	
0098.hs163	900	7:25	11:35:30.8	29:08:47	600	90	2.0	#122 Halo Star	4	
0099.COMP	5	7:40	11:35:30.8	29:08:47	600	90	2.0	#122 Halo Star	4	
0100.hs164	900	7:41	11:35:39.4	29:23:34	600	90	2.0	#122 Halo Star	4	
0101.COMP	5	7:56	11:35:39.4	29:23:34	600	90	2.0	#122 Halo Star	4	
0102.hs165	600	7:57	11:35:43.4	29:06:48	600	90	2.0	#122 Halo Star	4	
0103.COMP	5	8:07	11:35:43.4	29:06:48	600	90	2.0	#122 Halo Star	4	
0104.hs166	840	8:08	11:36:00.0	29:23:32	600	90	2.0	#122 Halo Star	4	
0105.COMP	5	8:22	11:36:00.0	29:23:32	600	90	2.0	#122 Halo Star	4	

UT Date 2001-04-01 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0106.hs167	900	8:23	11:36:14.0	29:01:30	600	90	2.0	#122 Halo Star	4	
0107.COMP	5	8:39	11:36:14.0	29:01:30	600	90	2.0	#122 Halo Star	4	
0108.hs168	240	8:40	11:36:38.1	28:43:58	600	90	2.0	#122 Halo Star	4	
0109.COMP	5	8:44	11:36:38.1	28:43:58	600	90	2.0	#122 Halo Star	4	
0110.hs169	240	8:45	11:37:27.4	29:11:39	600	90	2.0	#122 Halo Star	4	
0111.COMP	5	8:49	11:37:27.4	29:11:39	600	90	2.0	#122 Halo Star	4	
0112.hs170	960	8:50	11:38:25.8	29:30:02	600	90	2.0	#122 Halo Star	4	
0113.COMP	5	9:06	11:38:25.8	29:30:02	600	90	2.0	#122 Halo Star	4	
0114.hs171	240	9:07	11:38:26.8	29:05:27	600	90	2.0	#122 Halo Star	4	
0115.COMP	5	9:12	11:38:26.8	29:05:27	600	90	2.0	#122 Halo Star	4	
0116.hs172	900	9:13	11:38:42.0	29:19:34	600	90	2.0	#122 Halo Star	4	
0117.COMP	5	9:28	11:38:42.0	29:19:34	600	90	2.0	#122 Halo Star	4	
0118.hs173	840	9:29	11:38:52.4	28:46:27	600	90	2.0	#122 Halo Star	4	
0119.COMP	5	9:43	11:38:52.4	28:46:27	600	90	2.0	#122 Halo Star	4	
0120.hs174	1020	9:44	11:40:46.5	28:58:32	600	90	2.0	#122 Halo Star	4	
0121.COMP	5	10:02	11:40:46.5	28:58:32	600	90	2.0	#122 Halo Star	4	
0122.hs175	720	10:02	11:41:25.4	28:54:12	600	90	2.0	#122 Halo Star	4	
0123.COMP	5	10:15	11:41:25.4	28:54:12	600	90	2.0	#122 Halo Star	4	
0124.hs176	570	10:16	11:42:56.8	29:38:58	600	90	2.0	#122 Halo Star	4	
0125.COMP	5	10:25	11:42:56.8	29:38:58	600	90	2.0	#122 Halo Star	4	

UT Date 2001-04-01 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0126.hs177	840	10:27	11:42:58.3	28:46:33	600	90	2.0	#122 Halo Star	4	
0127.COMP	5	10:41	11:42:58.3	28:46:33	600	90	2.0	#122 Halo Star	4	
0128.hs178	720	10:42	11:43:37.2	28:55:59	600	90	2.0	#122 Halo Star	4	
0129.COMP	5	10:54	11:43:37.2	28:55:59	600	90	2.0	#122 Halo Star	4	
0130.hs179	240	10:55	11:44:09.9	29:37:31	600	90	2.0	#122 Halo Star	4	
0131.COMP	5	11:00	11:44:09.9	29:37:31	600	90	2.0	#122 Halo Star	4	
0132.hs180	240	11:01	11:45:18.0	29:33:59	600	90	2.0	#122 Halo Star	4	
0133.COMP	5	11:05	11:45:18.0	29:33:59	600	90	2.0	#122 Halo Star	4	
0134.hs239	900	11:06	12:29:12.8	29:07:46	600	90	2.0	#122 Halo Star	4	
0135.COMP	5	11:22	12:29:12.8	29:07:46	600	90	2.0	#122 Halo Star	4	
0136.hs240	240	11:22	12:29:33.3	29:33:41	600	90	2.0	#122 Halo Star	4	
0137.COMP	5	11:27	12:29:33.3	29:33:41	600	90	2.0	#122 Halo Star	4	
0138.HZ44	240	11:28	13:21:19.0	36:23:39	600	90	2.0	#56 Spectropho	4	
0139.COMP	5	11:32	13:21:19.0	36:23:39	600	90	2.0	#56 Spectropho	4	
0140-0149.FLAT	40	11:41	13:21:19.0	36:23:39	600	90	2.0	#56 Spectropho	4	
0150.RJ105	600	11:47	18:35:02	01:46:55	300	90	3.0	#12 Symbiotic	4	
0151.COMP	5	11:57	18:35:02	01:46:55	300	90	3.0	#12 Symbiotic	4	
0152.DQSer	720	11:58	18:44:40	05:02:49	300	90	3.0	#12 Symbiotic	2	row=75
0153.DQSer	180	12:11	18:44:40	05:02:49	300	90	3.0	#12 Symbiotic	2	
0154.DQSer	60	12:14	18:44:40	05:02:49	300	90	3.0	#12 Symbiotic	2	

UT Date 2001-04-01 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0155.COMP	12	12:15	18:44:40	05:02:49	300	90	3.0	#12 Symbiotic	2	
0156.V1413Aq1	300	12:16	19:03:47	16:26:17	300	90	3.0	#12 Symbiotic	2	
0157.V1413Aq1	30	12:22	19:03:47	16:26:17	300	90	3.0	#12 Symbiotic	2	
0158.COMP	12	12:23	19:03:47	16:26:17	300	90	3.0	#12 Symbiotic	2	
0159.HMSge	60	12:24	19:41:57	16:44:41	300	90	3.0	#12 Symbiotic	2	
0160.HMSge	2	12:25	19:41:57	16:44:41	300	90	3.0	#12 Symbiotic	2	
0161.HMSge	1	12:25	19:41:57	16:44:41	300	90	3.0	#12 Symbiotic	2	
0162.COMP	12	12:26	19:41:57	16:44:41	300	90	3.0	#12 Symbiotic	2	
0163-0167.sky	2	13:00	19:41:57	16:44:41	300	90	3.0	#57 Velocity S	4	
0168.COMP	5	13:00	19:41:57	16:44:41	300	90	3.0	#57 Velocity S	4	
0169-0178.BIAS	0	13:02	19:41:57	16:44:41	300	90	3.0	#57 Velocity S	4	
0179-0188.FLAT	6	13:05	19:41:57	16:44:41	300	90	3.0	#57 Velocity S	4	
0189-0198.BIAS	0	13:12	19:41:57	16:44:41	300	90	3.0	#57 Velocity S	2	
0199-0208.FLAT	12	13:17	19:41:57	16:44:41	300	90	3.0	#57 Velocity S	2	
0209-0218.DARK	900	15:35	19:41:57	16:44:41	300	90	3.0	#57 Velocity S	2	