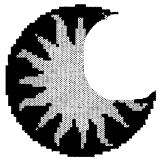
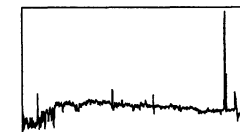
UT Date 2003-11-30 Observers M CalkinsColl. Focus 980 Grating/Grism 300

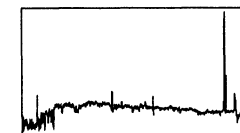
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	0:51	10:36:41.2	43:21:50	300	90	1.0	#57 Velocity S	4	
0011-0020.BIAS	0	1:07	10:36:41.2	43:21:50	300	90	1.0	#57 Velocity S	4	
0021-0030.FLAT	6	1:10	10:36:41.2	43:21:50	300	90	1.0	#57 Velocity S	4	
0031-0040.BIAS	0	1:12	10:36:41.2	43:21:50	300	90	1.0	#57 Velocity S	2	
0041-0050.FLAT	12	1:16	10:36:41.2	43:21:50	300	90	1.0	#57 Velocity S	2	
0051.BDp284211	50	1:20	21:48:57.1	28:37:48	300	90	1.0	#56 Spectropho	4	
0052.COMP	5	1:21	21:48:57.1	28:37:48	300	90	1.0	#56 Spectropho	4	
0053.BDp284211	50	1:22	21:48:57.1	28:37:48	300	69	1.0	#56 Spectropho	2	
0054.COMP	12	1:23	21:48:57.1	28:37:48	300	69	1.0	#56 Spectropho	2	
0055.BDp174708	15	1:26	22:11:31.3	+18:05:34	300	20	1.0	#56 Spectropho	2	
0056.BDp174708	15	1:26	22:11:31.3	+18:05:34	300	20	1.0	#56 Spectropho	2	
0057.COMP	12	1:27	22:11:31.3	+18:05:34	300	20	1.0	#56 Spectropho	2	
0058.3C390.3	300	1:31	18:42:09.1	79:46:17	300	90	1.0	#6 AGN Monitor	2	
0059.3C390.3	300	1:36	18:42:09.1	79:46:17	300	90	1.0	#6 AGN Monitor	2	
0060.3C390.3	300	1:41	18:42:09.1	79:46:17	300	90	1.0	#6 AGN Monitor	2	
0061.COMP	12	1:47	18:42:09.1	79:46:17	300	90	1.0	#6 AGN Monitor	2	
0062.MRK509	180	1:53	20:44:09.8	-10:43:24	300	90	1.0	#6 AGN Monitor	2	
0063.MRK509	180	1:56	20:44:09.8	-10:43:24	300	90	1.0	#6 AGN Monitor	2	
0064.COMP	12	1:59	20:44:09.8	-10:43:24	300	90	1.0	#6 AGN Monitor	2	
0065.sn2003kh	1020	2:04	19:52:17.9	58:58:39	300	110	1.0	#2 SN Observat	2	row=67

UT Date 2003-11-30 Observers M CalkinsColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0066.sn2003kh	1020	2:21	19:52:17.9	58:58:39	300	110	1.0	#2 SN Observat	2	
0067.COMP	12	2:39	19:52:17.9	58:58:39	300	110	1.0	#2 SN Observat	2	
0068.Akn564	180	2:41	22:42:39.4	+29:43:31	300	90	1.0	#6 AGN Monitor	2	
0069.Akn564	180	2:44	22:42:39.4	+29:43:31	300	90	1.0	#6 AGN Monitor	2	
0070.COMP	12	2:48	22:42:39.4	+29:43:31	300	90	1.0	#6 AGN Monitor	2	
0071.N7469	120	2:49	23:03:15.7	+08:52:27	300	90	1.0	#6 AGN Monitor	2	row=72
0072.N7469	120	2:52	23:03:15.7	+08:52:27	300	90	1.0	#6 AGN Monitor	2	
0073.COMP	12	2:54	23:03:15.7	+08:52:27	300	90	1.0	#6 AGN Monitor	2	
0074.MRK335	150	2:56	00:06:19.6	+20:12:11	300	90	1.0	#6 AGN Monitor	2	
0075.MRK335	150	2:58	00:06:19.6	+20:12:11	300	90	1.0	#6 AGN Monitor	2	
0076.COMP	12	3:02	00:06:19.6	+20:12:11	300	90	1.0	#6 AGN Monitor	2	
0077.cairnsk_139	1020	3:08	1:1:8.8	-2:59:50	300	90	1.0	#64 Cluster In	4	
0078.COMP	5	3:25	1:1:8.8	-2:59:50	300	90	1.0	#64 Cluster In	4	
0079.cairnsk_140	540	3:26	1:3:22.5	-0:27:42	300	90	1.0	#64 Cluster In	4	
0080.COMP	5	3:36	1:3:22.5	-0:27:42	300	90	1.0	#64 Cluster In	4	
0081.cairnsk_141	960	3:37	1:12:51.6	-2:11:22	300	90	1.0	#64 Cluster In	4	
0082.COMP	5	3:53	1:12:51.6	-2:11:22	300	90	1.0	#64 Cluster In	4	
0083.cairnsk_142	600	3:55	0:47:45.9	-1:54:48	300	90	1.0	#64 Cluster In	4	
0084.COMP	5	4:06	0:47:45.9	-1:54:48	300	90	1.0	#64 Cluster In	4	
0085.cairnsk_143	600	4:07	0:51:27.7	-3:23:36	300	90	1.0	#64 Cluster In	4	

UT Date 2003-11-30 Observers M CalkinsColl. Focus 980 Grating/Grism 300

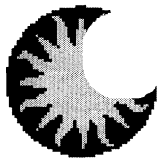
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.COMP	5	4:17	0:51:27.7	-3:23:36	300	90	1.0	#64 Cluster In	4	
0087.cairnsk_144	1080	4:18	1:1:8.8	-1:27:54	300	90	1.0	#64 Cluster In	4	
0088.COMP	5	4:37	1:1:8.8	-1:27:54	300	90	1.0	#64 Cluster In	4	
0089.cairnsk_145	900	4:38	1:3:21.6	-0:28:49	300	90	1.0	#64 Cluster In	2	row=80
0090.COMP	12	4:53	1:3:21.6	-0:28:49	300	90	1.0	#64 Cluster In	2	
0091.cairnsk_146	480	4:55	1:3:20	-2:25:7	300	90	1.0	#64 Cluster In	4	
0092.COMP	5	5:03	1:3:20	-2:25:7	300	90	1.0	#64 Cluster In	4	
0093.cairnsk_147	600	5:04	1:8:21	2:12:8	300	90	1.0	#64 Cluster In	4	
0094.COMP	5	5:14	1:8:21	2:12:8	300	90	1.0	#64 Cluster In	4	
0095.cairnsk_148	780	5:15	1:3:51.8	-1:42:54	300	90	1.0	#64 Cluster In	4	
0096.COMP	5	5:29	1:3:51.8	-1:42:54	300	90	1.0	#64 Cluster In	4	
0097.cairnsx3_003	150	5:31	2:57:5.3	-1:21:27	300	90	1.0	#64f Cluster I	4	
0098.COMP	5	5:34	2:57:5.3	-1:21:27	300	90	1.0	#64f Cluster I	4	
0099.cairnsx3_004	180	5:35	2:57:14.6	-1:25:26	300	90	1.0	#64f Cluster I	4	
0100.COMP	5	5:38	2:57:14.6	-1:25:26	300	90	1.0	#64f Cluster I	4	
0101.cairnsx3_005	240	5:39	2:54:31.9	-1:31:7	300	90	1.0	#64f Cluster I	4	row=41
0102.COMP	5	5:43	2:54:31.9	-1:31:7	300	90	1.0	#64f Cluster I	4	
0103.cairnsx3_006	300	5:44	2:55:22.7	-1:33:58	300	90	1.0	#64f Cluster I	4	
0104.COMP	5	5:49	2:55:22.7	-1:33:58	300	90	1.0	#64f Cluster I	4	
0105.cairnsx3_007	240	5:50	2:56:21.9	-1:46:56	300	90	1.0	#64f Cluster I	4	

UT Date 2003-11-30 Observers M CalkinsColl. Focus 980 Grating/Grism 300

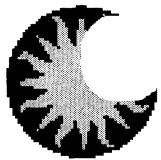
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0106.COMP	5	5:55	2:56:21.9	-1:46:56	300	90	1.0	#64f Cluster I	4	
0107.HD19445	5	5:58	03:08:25.6	26:19:51	300	-3	1.0	#56 Spectropho	2	
0108.HD19445	5	5:58	03:08:25.6	26:19:51	300	-3	1.0	#56 Spectropho	2	
0109.COMP	12	5:59	03:08:25.6	26:19:51	300	-3	1.0	#56 Spectropho	2	
0110.sn2003kd	1200	6:04	03:00:45.8	+44:27:13	300	-3	1.0	#2 SN Observat	2	row=81
0111.COMP	12	6:25	03:00:45.8	+44:27:13	300	-3	1.0	#2 SN Observat	2	
0112.sn2003kd	1200	6:28	03:00:45.8	+44:27:13	300	-32	1.0	#2 SN Observat	2	
0113.COMP	12	6:50	03:00:45.8	+44:27:13	300	-32	1.0	#2 SN Observat	2	
0114.012124p09180_b	1800	6:52	1:24:26.7	9:35:10	300	42	1.0	#113 Interacti	2	
0115.COMP	12	7:23	1:24:26.7	9:35:10	300	42	1.0	#113 Interacti	2	
0116.012124p09180_d	1500	7:26	1:25:3.4	9:30:55	300	110	1.0	#113 Interacti	2	
0117.COMP	12	7:51	1:25:3.4	9:30:55	300	110	1.0	#113 Interacti	2	
0118.023518p41200_b	1320	7:54	2:38:47.7	41:31:54	300	30	1.0	#113 Interacti	2	
0119.COMP	12	8:16	2:38:47.7	41:31:54	300	30	1.0	#113 Interacti	2	
0120.023518p41200_c	1500	8:18	2:38:25.1	41:35:18	300	60	1.0	#113 Interacti	2	
0121.COMP	12	8:43	2:38:25.1	41:35:18	300	60	1.0	#113 Interacti	2	
0122.023518p41200_d	1800	8:45	2:38:17.9	41:34:46	300	65	1.0	#113 Interacti	2	row=74-86
0123.COMP	12	9:16	2:38:17.9	41:34:46	300	65	1.0	#113 Interacti	2	
0124.sn2003kf	1200	9:22	06:04:35.4	-12:37:42	300	8	1.0	#2 SN Observat	2	
0125.COMP	12	9:42	06:04:35.4	-12:37:42	300	8	1.0	#2 SN Observat	2	

UT Date 2003-11-30 Observers M CalkinsColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0126.sn2003ki	1500	9:48	07:51:33.2	63:55:51	300	21	1.0	#2 SN Observat	2	
0127.COMP	12	10:14	07:51:33.2	63:55:51	300	21	1.0	#2 SN Observat	2	
0128.FineFoc	60	10:19	07:02:00.9	31:56:18	300	90	1.0	#2 SN Observat	1	
0129.Akn120	300	10:27	05:13:38.0	-00:12:15	300	90	1.0	#6 AGN Monitor	2	
0130.COMP	12	10:33	05:13:38.0	-00:12:15	300	90	1.0	#6 AGN Monitor	2	
0131.cairnsk2_062	900	10:34	5:19:23.7	3:18:9	300	80	1.0	#64f Cluster I	2	row=63-76, need more cts.
0132.COMP	12	10:50	5:19:23.7	3:18:9	300	80	1.0	#64f Cluster I	2	
0133.cairnsk2_062	900	10:51	5:19:23.7	3:18:9	300	80	1.0	#64f Cluster I	2	
0134.COMP	12	11:07	5:19:23.7	3:18:9	300	80	1.0	#64f Cluster I	2	
0135.cairnsk2_063	480	11:08	5:21:22.8	4:21:46	300	90	1.0	#64f Cluster I	2	
0136.COMP	12	11:19	5:21:22.8	4:21:46	300	90	1.0	#64f Cluster I	2	
0137.cairnsk2_064	540	11:20	5:16:56.1	6:31:35	300	90	1.0	#64f Cluster I	2	
0138.COMP	12	11:30	5:16:56.1	6:31:35	300	90	1.0	#64f Cluster I	2	
0139.cairnsk2_065	780	11:31	5:27:33.3	8:14:25	300	90	1.0	#64f Cluster I	2	need more cts...
0140.COMP	12	11:45	5:27:33.3	8:14:25	300	90	1.0	#64f Cluster I	2	
0141.cairnsk2_065	1080	11:45	5:27:33.3	8:14:25	300	90	1.0	#64f Cluster I	2	
0142.COMP	12	12:04	5:27:33.3	8:14:25	300	90	1.0	#64f Cluster I	2	
0143.N3227	150	12:06	10:23:30.6	+19:51:54	300	90	1.0	#6 AGN Monitor	2	
0144.N3227	150	12:09	10:23:30.6	+19:51:54	300	90	1.0	#6 AGN Monitor	2	
0145.COMP	12	12:12	10:23:30.6	+19:51:54	300	90	1.0	#6 AGN Monitor	2	

UT Date 2003-11-30 Observers M CalkinsColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0146.MRK421	300	12:14	11:04:27.4	+38:12:32	300	90	1.0	#133 MRK421 an	2	
0147.MRK421	300	12:19	11:04:27.4	+38:12:32	300	90	1.0	#133 MRK421 an	2	
0148.MRK421	300	12:24	11:04:27.4	+38:12:32	300	90	1.0	#133 MRK421 an	2	
0149.COMP	12	12:29	11:04:27.4	+38:12:32	300	90	1.0	#133 MRK421 an	2	
0150.N4051	150	12:31	12:03:09.7	+44:31:53	300	90	1.0	#6 AGN Monitor	2	
0151.N4051	150	12:34	12:03:09.7	+44:31:53	300	90	1.0	#6 AGN Monitor	2	
0152.N4051	150	12:36	12:03:09.7	+44:31:53	300	90	1.0	#6 AGN Monitor	2	
0153.COMP	12	12:39	12:03:09.7	+44:31:53	300	90	1.0	#6 AGN Monitor	2	
0154.N4151	30	12:41	12:10:32.6	+39:24:21	300	90	1.0	#6 AGN Monitor	2	
0155.N4151	30	12:41	12:10:32.6	+39:24:21	300	90	1.0	#6 AGN Monitor	2	
0156.COMP	12	12:42	12:10:32.6	+39:24:21	300	90	1.0	#6 AGN Monitor	2	
0157.M87	180	12:44	12:30:49.4	12:23:28	300	90	1.0	#6 AGN Monitor	2	
0158.M87	180	12:48	12:30:49.4	12:23:28	300	90	1.0	#6 AGN Monitor	2	
0159.COMP	12	12:51	12:30:49.4	12:23:28	300	90	1.0	#6 AGN Monitor	2	
0160.cairnsk3_017	300	12:52	12:40:1.1	24:8:30	300	90	1.0	#64f Cluster I	2	clouds...need more cts.
0161.COMP	12	12:58	12:40:1.1	24:8:30	300	90	1.0	#64f Cluster I	2	
0162.cairnsk3_017	420	12:58	12:40:1.1	24:8:30	300	90	1.0	#64f Cluster I	2	
0163.COMP	12	13:06	12:40:1.1	24:8:30	300	90	1.0	#64f Cluster I	2	
0164.Feige34	60	13:07	10:36:41.2	43:21:50	300	90	1.0	#56 Spectropho	2	
0165.COMP	12	13:09	10:36:41.2	43:21:50	300	90	1.0	#56 Spectropho	2	

UT Date 2003-11-30 Observers M CalkinsColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0166.Feige34	60	13:10	10:36:41.2	43:21:50	300	20	1.0	#56 Spectropho	2	
0167.COMP	12	13:11	10:36:41.2	43:21:50	300	20	1.0	#56 Spectropho	2	
0168.Feige34	60	13:12	10:36:41.2	43:21:50	300	90	1.0	#56 Spectropho	4	
0169.COMP	5	13:14	10:36:41.2	43:21:50	300	90	1.0	#56 Spectropho	4	
0170.WILSON6377	5	13:15	09:58:18	+55:50:00	300	90	1.0	#57 Velocity S	4	
0171.COMP	5	13:16	09:58:18	+55:50:00	300	90	1.0	#57 Velocity S	4	
0172.WILSON6377	5	13:16	09:58:18	+55:50:00	300	90	1.0	#57 Velocity S	2	
0173.COMP	12	13:17	09:58:18	+55:50:00	300	90	1.0	#57 Velocity S	2	
0174-0183.BIAS	0	13:19	09:58:18	+55:50:00	300	90	1.0	#2 SN Observat	4	
0184-0193.FLAT	6	13:22	09:58:18	+55:50:00	300	90	1.0	#2 SN Observat	4	
0194-0203.BIAS	0	13:25	09:58:18	+55:50:00	300	90	1.0	#2 SN Observat	2	
0204-0213.FLAT	12	13:30	09:58:18	+55:50:00	300	90	1.0	#2 SN Observat	2	
0214-0223.DARK	900	15:50	09:58:18	+55:50:00	300	90	1.0	#2 SN Observat	2	