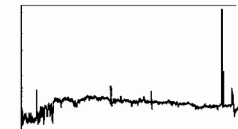
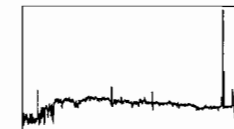
UT Date 2003-09-29 Observers P BerlindColl. Focus 1080 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	1:20	18:26:03.5	+31:30:16	300	90	3.0	#113 Interacti	4	
0002.COMP	5	1:21	18:26:37.1	+31:30:16	300	90	3.0	#113 Interacti	4	
0003.FLAT	8	1:21	18:27:27.6	+31:30:15	300	90	3.0	#113 Interacti	4	
0004.FLAT	16	1:23	18:28:44.3	+31:30:15	300	90	3.0	#113 Interacti	2	
0005.BIAS	0	1:23	18:29:10.2	+31:30:15	300	90	3.0	#113 Interacti	2	
0006.FLAT	4	1:24	18:30:13.8	+31:30:15	300	90	3.0	#113 Interacti	2	
0007.FLAT	4	1:25	18:30:51.7	+31:30:14	300	90	3.0	#113 Interacti	1	
0008.FLAT	16	1:27	18:33:03.7	+31:30:14	300	90	3.0	#113 Interacti	2	
0009.BIAS	0	1:28	18:33:33.7	+31:30:14	300	90	3.0	#113 Interacti	2	
0010.BIAS	4	1:28	18:34:24.7	+31:30:13	300	90	3.0	#113 Interacti	2	
0011.BIAS	0	1:29	18:35:03.2	+31:30:13	300	90	3.0	#113 Interacti	2	
0012.BIAS	4	1:29	18:35:20.2	+31:30:13	300	90	3.0	#113 Interacti	2	
0013.BIAS	0	1:30	18:35:45.5	+31:30:13	300	90	3.0	#113 Interacti	2	
0014.BIAS	0	1:30	18:36:02.3	+31:30:13	300	90	3.0	#113 Interacti	4	
0015.unnamed	1	1:32	18:37:59.9	+31:30:12	0	90	90.0	none	2	
0016-0017.BIAS	0	1:34	18:39:41.9	+31:30:12	300	90	3.0	#113 Interacti	2	
0018.BIAS	1	1:34	18:40:19.7	+31:30:12	300	90	3.0	#113 Interacti	2	
0019.BIAS	1	1:47	18:52:31.5	+31:30:08	300	90	3.0	#113 Interacti	2	
0020.FLAT	16	1:47	18:53:23.2	+31:30:08	300	90	3.0	#113 Interacti	2	
0021.FLAT	1	1:53	18:59:08.2	+31:30:06	300	90	3.0	#113 Interacti	2	

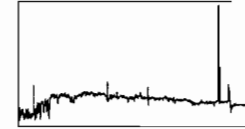
NO DARKS TAKEN FOR THIS NIGHT
 + DARK COUNT IS SLIGHTLY ELEVATED

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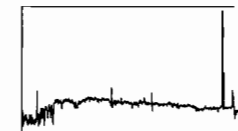
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0022.FLAT	1	1:53	18:59:20.9	+31:30:06	300	90	3.0	#113 Interacti	1	
0023.FLAT	1	1:54	19:00:03.9	+31:30:06	300	90	3.0	#113 Interacti	2	
0024.FLAT	1	1:55	19:01:02.8	+31:30:05	300	90	3.0	#113 Interacti	2	
0025.FLAT	16	1:55	19:01:32.7	+31:30:05	300	90	3.0	#113 Interacti	2	
0026.FLAT	2	1:57	19:02:45.1	+31:30:05	300	90	3.0	#113 Interacti	2	
0027.FLAT	16	1:57	19:03:23.6	+31:30:05	300	90	3.0	#113 Interacti	2	
0028.COMP	10	1:58	19:03:57.5	+31:30:05	300	90	3.0	#113 Interacti	2	
0029-0030.BIAS	0	2:06	19:12:19.5	+31:30:02	300	90	3.0	#113 Interacti	2	
0031.BIAS	0	2:07	19:12:32.6	+31:30:02	300	90	3.0	#113 Interacti	2	fill dewars, fix cables, work on ln2 system
0032-0040.BIAS	0	2:08	19:14:27.7	+31:30:02	300	90	3.0	#113 Interacti	2	
0041-0046.FLAT	16	2:11	19:17:35.2	+31:30:01	300	90	3.0	#113 Interacti	2	
0047-0050.FLAT	16	2:13	19:19:30.1	+31:30:00	300	90	3.0	#113 Interacti	2	
0051.202512p10350_b	1200	2:24	20:27:36.5	10:45:36	300	90	3.0	#113 Interacti	2	a few clouds
0052.COMP	10	2:45	20:27:36.5	10:45:36	300	90	3.0	#113 Interacti	2	
0053.201742p15140_b	300	2:47	20:19:58.7	15:23:14	300	90	3.0	#113 Interacti	2	
0054.COMP	10	2:52	20:19:58.7	15:23:14	300	90	3.0	#113 Interacti	2	
0055.213142p21360_b	1200	2:54	21:33:45.5	21:50:8	300	10	3.0	#113 Interacti	2	
0056.COMP	10	3:16	21:33:45.5	21:50:8	300	10	3.0	#113 Interacti	2	
0057.220512p08400_b	1200	3:24	22:7:47.0	8:53:27	300	-32	3.0	#113 Interacti	2	add to file 59
0058.COMP	10	3:45	22:7:47.0	8:53:27	300	-32	3.0	#113 Interacti	2	

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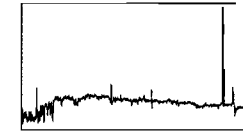
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0059.220512p08400.b	1200	3:46	22:7:47.0	8:53:27	300	-32	3.0	#113 Interacti	2	
0060.COMP	10	4:07	22:7:47.0	8:53:27	300	-32	3.0	#113 Interacti	2	
0061.223730p10460.c	1200	4:09	22:39:53.5	11:8:0	300	-48	3.0	#113 Interacti	2	
0062.COMP	10	4:30	22:39:53.5	11:8:0	300	-48	3.0	#113 Interacti	2	
0063.223730p10460.b	720	4:33	22:39:35.3	11:5:0	300	90	3.0	#113 Interacti	2	
0064.COMP	10	4:46	22:39:35.3	11:5:0	300	90	3.0	#113 Interacti	2	
0065.BDp284211	60	4:47	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0066.BDp284211	60	4:48	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0067.BDp284211	60	4:49	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0068.COMP	10	4:51	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0069.sn2003hy	1200	4:55	21:54:22.7	+15:09:37	300	20	3.0	#2 SN Observat	2	
0070.COMP	10	5:15	21:54:22.7	+15:09:37	300	20	3.0	#2 SN Observat	2	
0071.233412p17150.b	1200	5:19	23:36:42.9	17:27:1	300	3	3.0	#113 Interacti	2	add to file 73
0072.COMP	10	5:40	23:36:42.9	17:27:1	300	3	3.0	#113 Interacti	2	
0073.233412p17150.b	1200	5:40	23:36:42.9	17:27:1	300	3	3.0	#113 Interacti	2	
0074.COMP	10	6:01	23:36:42.9	17:27:1	300	3	3.0	#113 Interacti	2	
0075.234830p19520.b	1200	6:03	23:51:15.9	20:10:2	300	3	3.0	#113 Interacti	2	add to file 55
0076.COMP	10	6:24	23:51:15.9	20:10:2	300	3	3.0	#113 Interacti	2	
0077.234830p19520.b	1200	6:24	23:51:15.9	20:10:2	300	3	3.0	#113 Interacti	2	
0078.COMP	10	6:45	23:51:15.9	20:10:2	300	3	3.0	#113 Interacti	2	

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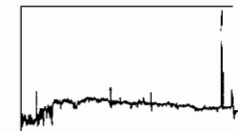
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0079.cairnss_148	300	6:48	0:56:16.1	-1:15:19	300	90	3.0	#64 Cluster In	2	
0080.COMP	10	6:53	0:56:16.1	-1:15:19	300	90	3.0	#64 Cluster In	2	
0081.cairnss_149	180	6:54	0:57:2	-0:52:30	300	90	3.0	#64 Cluster In	2	
0082.COMP	10	6:57	0:57:2	-0:52:30	300	90	3.0	#64 Cluster In	2	
0083.cairnss_150	180	6:58	0:57:34.9	-1:23:27	300	90	3.0	#64 Cluster In	2	
0084.COMP	10	7:01	0:57:34.9	-1:23:27	300	90	3.0	#64 Cluster In	2	
0085.cairnss_151	180	7:02	0:55:18.8	-1:16:37	300	90	3.0	#64 Cluster In	2	
0086.COMP	10	7:05	0:55:18.8	-1:16:37	300	90	3.0	#64 Cluster In	2	
0087.cairnss_152	180	7:06	0:55:54.5	-0:55:13	300	90	3.0	#64 Cluster In	2	
0088.COMP	10	7:09	0:55:54.5	-0:55:13	300	90	3.0	#64 Cluster In	2	
0089.cairnss_153	180	7:10	0:57:27.6	-0:28:17	300	90	3.0	#64 Cluster In	2	
0090.COMP	10	7:13	0:57:27.6	-0:28:17	300	90	3.0	#64 Cluster In	2	
0091.cairnss_154	240	7:14	0:55:8.9	-1:2:47	300	90	3.0	#64 Cluster In	2	
0092.COMP	10	7:18	0:55:8.9	-1:2:47	300	90	3.0	#64 Cluster In	2	
0093.cairnss_155	180	7:19	0:56:2.7	-1:20:3	300	90	3.0	#64 Cluster In	2	
0094.COMP	10	7:22	0:56:2.7	-1:20:3	300	90	3.0	#64 Cluster In	2	
0095.cairnss_156	180	7:23	0:55:55.6	-1:14:49	300	90	3.0	#64 Cluster In	2	
0096.COMP	10	7:26	0:55:55.6	-1:14:49	300	90	3.0	#64 Cluster In	2	
0097.cairnss_157	240	7:27	0:56:10.6	-1:7:0	300	90	3.0	#64 Cluster In	2	
0098.COMP	10	7:32	0:56:10.6	-1:7:0	300	90	3.0	#64 Cluster In	2	

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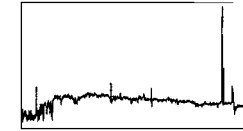
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0099.cairnss_158	240	7:32	0:56:51.5	-1:16:20	300	90	3.0	#64 Cluster In	2	
0100.COMP	10	7:37	0:56:51.5	-1:16:20	300	90	3.0	#64 Cluster In	2	
0101.cairnss_159	240	7:37	0:56:20.9	-1:10:35	300	90	3.0	#64 Cluster In	2	
0102.COMP	10	7:42	0:56:20.9	-1:10:35	300	90	3.0	#64 Cluster In	2	
0103.cairnss_160	240	7:42	0:57:16.9	-0:40:10	300	90	3.0	#64 Cluster In	2	
0104.COMP	10	7:47	0:57:16.9	-0:40:10	300	90	3.0	#64 Cluster In	2	
0105.cairnss_161	240	7:47	0:56:25.9	-1:16:29	300	90	3.0	#64 Cluster In	2	
0106.COMP	10	7:52	0:56:25.9	-1:16:29	300	90	3.0	#64 Cluster In	2	
0107.cairnss_162	300	7:52	0:55:13.6	-1:4:33	300	90	3.0	#64 Cluster In	2	
0108.COMP	10	7:58	0:55:13.6	-1:4:33	300	90	3.0	#64 Cluster In	2	
0109.sn2003ic	1200	8:00	00:41:50.2	-09:18:19	300	20	3.0	#2 SN Observat	2	
0110.COMP	10	8:21	00:41:50.2	-09:18:19	300	20	3.0	#2 SN Observat	2	
0111.cairnsk4_013	360	8:26	2:59:59.6	45:9:13	300	100	3.0	#64 Cluster In	2	
0112.COMP	10	8:33	2:59:59.6	45:9:13	300	100	3.0	#64 Cluster In	2	
0113.cairnsk4_011	600	8:34	3:31:48.2	38:57:26	300	90	3.0	#64 Cluster In	2	
0114.COMP	10	8:44	3:31:48.2	38:57:26	300	90	3.0	#64 Cluster In	2	
0115.cairnsk4_015	300	8:45	3:12:28.2	41:10:7	300	90	3.0	#64 Cluster In	2	
0116.COMP	10	8:50	3:12:28.2	41:10:7	300	90	3.0	#64 Cluster In	2	
0117.cairnsk4_016	300	8:51	3:32:47.5	38:23:30	300	90	3.0	#64 Cluster In	2	
0118.COMP	10	8:57	3:32:47.5	38:23:30	300	90	3.0	#64 Cluster In	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0119.cairnsk4_019	600	8:57	3:10:45.1	44:11:40	300	90	3.0	#64 Cluster In	2	
0120.COMP	10	9:08	3:10:45.1	44:11:40	300	90	3.0	#64 Cluster In	2	
0121.cairnsk4_020	330	9:09	3:6:20.1	42:15:0	300	90	3.0	#64 Cluster In	2	
0122.COMP	10	9:14	3:6:20.1	42:15:0	300	90	3.0	#64 Cluster In	2	
0123.cairnsk4_018	300	9:15	2:55:2.3	41:36:23	300	90	3.0	#64 Cluster In	2	
0124.COMP	10	9:21	2:55:2.3	41:36:23	300	90	3.0	#64 Cluster In	2	
0125.cairnsk4_017	330	9:21	3:46:1	42:1:5	300	90	3.0	#64 Cluster In	2	
0126.COMP	10	9:28	3:46:1	42:1:5	300	90	3.0	#64 Cluster In	2	
0127.cairnsk4_021	360	9:28	3:11:21.3	42:13:57	300	90	3.0	#64 Cluster In	2	fainter star just to west of gal
0128.COMP	10	9:35	3:11:21.3	42:13:57	300	90	3.0	#64 Cluster In	2	
0129.cairnsk4_022	900	9:36	3:30:9.1	42:57:11	300	90	3.0	#64 Cluster In	2	
0130.COMP	10	9:51	3:30:9.1	42:57:11	300	90	3.0	#64 Cluster In	2	
0131.cairnsk4_023	300	9:52	3:31:55.1	39:27:22	300	90	3.0	#64 Cluster In	2	
0132.COMP	10	9:58	3:31:55.1	39:27:22	300	90	3.0	#64 Cluster In	2	
0133.cairnsk4_024	300	9:59	2:48:1.3	39:39:50	300	90	3.0	#64 Cluster In	2	
0134.COMP	10	10:05	2:48:1.3	39:39:50	300	90	3.0	#64 Cluster In	2	
0135.cairnsk4_025	180	10:05	2:50:24.3	44:25:34	300	90	3.0	#64 Cluster In	2	
0136.COMP	10	10:09	2:50:24.3	44:25:34	300	90	3.0	#64 Cluster In	2	
0137.cairnsk4_028	180	10:10	2:53:28.6	36:26:17	300	90	3.0	#64 Cluster In	2	
0138.COMP	10	10:13	2:53:28.6	36:26:17	300	90	3.0	#64 Cluster In	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0139.cairnsk4_026	600	10:14	3:12:19.4	35:24:16	300	90	3.0	#64 Cluster In	2	
0140.COMP	10	10:24	3:12:19.4	35:24:16	300	90	3.0	#64 Cluster In	2	
0141.cairnsk4_027	300	10:25	3:23:26.9	41:24:23	300	90	3.0	#64 Cluster In	2	
0142.COMP	10	10:30	3:23:26.9	41:24:23	300	90	3.0	#64 Cluster In	2	
0143.cairnsk4_029	330	10:31	3:30:44	42:1:11	300	90	3.0	#64 Cluster In	2	
0144.COMP	10	10:39	3:30:44	42:1:11	300	90	3.0	#64 Cluster In	2	
0145.cairnsk4_030	240	10:40	3:15:47	40:45:26	300	90	3.0	#64 Cluster In	2	
0146.COMP	10	10:44	3:15:47	40:45:26	300	90	3.0	#64 Cluster In	2	
0147.cairnsk4_031	300	10:45	3:28:53.7	40:2:10	300	90	3.0	#64 Cluster In	2	
0148.COMP	10	10:50	3:28:53.7	40:2:10	300	90	3.0	#64 Cluster In	2	
0149.cairnsk4_032	240	10:51	3:38:59.9	39:19:39	300	90	3.0	#64 Cluster In	2	
0150.COMP	10	10:55	3:38:59.9	39:19:39	300	90	3.0	#64 Cluster In	2	
0151.cairnsk4_033	360	10:56	3:22:29.3	41:3:0	300	90	3.0	#64 Cluster In	2	
0152.COMP	10	11:03	3:22:29.3	41:3:0	300	90	3.0	#64 Cluster In	2	
0153.cairnsk4_034	180	11:04	2:39:52.2	42:55:51	300	90	3.0	#64 Cluster In	2	
0154.COMP	10	11:07	2:39:52.2	42:55:51	300	90	3.0	#64 Cluster In	2	
0155.cairnsk4_035	480	11:08	3:4:49.7	41:26:10	300	90	3.0	#64 Cluster In	2	
0156.COMP	10	11:16	3:4:49.7	41:26:10	300	90	3.0	#64 Cluster In	2	
0157.cairnsk4_036	600	11:18	3:9:12.6	47:19:51	300	90	3.0	#64 Cluster In	2	
0158.COMP	10	11:28	3:9:12.6	47:19:51	300	90	3.0	#64 Cluster In	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0159.cairnsk4_038	240	11:29	2:36:51.2	41:20:21	300	90	3.0	#64 Cluster In	2	
0160.COMP	10	11:33	2:36:51.2	41:20:21	300	90	3.0	#64 Cluster In	2	
0161.cairnsk4_037	330	11:35	3:24:12.7	34:29:29	300	90	3.0	#64 Cluster In	2	
0162.COMP	10	11:40	3:24:12.7	34:29:29	300	90	3.0	#64 Cluster In	2	
0163.cairnsk4_039	540	11:41	3:18:6.4	47:51:26	300	90	3.0	#64 Cluster In	2	
0164.COMP	10	11:51	3:18:6.4	47:51:26	300	90	3.0	#64 Cluster In	2	
0165.cairnsk4_040	360	11:51	3:35:17.6	44:1:16	300	90	3.0	#64 Cluster In	2	
0166.COMP	10	11:58	3:35:17.6	44:1:16	300	90	3.0	#64 Cluster In	2	
0167.cairnsk4_057	180	11:59	3:40:28.4	40:3:47	300	90	3.0	#64 Cluster In	2	
0168.COMP	10	12:02	3:40:28.4	40:3:47	300	90	3.0	#64 Cluster In	2	
0169.cairnsk4_058	330	12:03	3:43:44.1	42:9:4	300	90	3.0	#64 Cluster In	2	
0170.COMP	10	12:09	3:43:44.1	42:9:4	300	90	3.0	#64 Cluster In	2	
0171.HD52071	2	12:10	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0172.HD52071	2	12:11	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0173.HD52071	2	12:11	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0174.COMP	10	12:11	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0175-0184.BIAS	0	12:15	06:57:51	+27:13:42	300	90	3.0	#113 Interacti	2	
0185-0194.FLAT	16	12:20	06:57:51	+27:13:42	300	90	3.0	#113 Interacti	2	