

UT Date 2004-12-15 Observers J HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0004.BIAS	0	23:18	21:30:07.2	+31:28:31	300	90	3.0	#57 Velocity S	2	
0005-0010.BIAS	0	23:19	21:31:23.9	+31:28:30	300	90	3.0	#57 Velocity S	2	
0011.DARK	600	23:26	21:48:06.5	+31:28:25	300	90	3.0	#57 Velocity S	2	
0012.DARK	600	23:36	21:58:18.8	+31:28:23	300	90	3.0	#57 Velocity S	2	
0013-0022.BIAS	0	0:02	22:13:41.1	+31:28:19	300	90	3.0	#57 Velocity S	4	
0023-0027.FLAT	8	0:03	22:15:26.9	+31:28:19	300	90	3.0	#57 Velocity S	4	
0028-0032.FLAT	8	0:05	22:17:05.2	+31:28:18	300	90	3.0	#57 Velocity S	4	
0033-0042.BIAS	0	0:07	22:19:17.1	+31:28:18	300	90	3.0	#57 Velocity S	2	
0043.FLAT	16	0:07	22:19:55.4	+31:28:18	300	90	3.0	#57 Velocity S	2	
0044-0050.FLAT	16	0:12	22:24:01.8	+31:28:17	300	90	3.0	#57 Velocity S	2	
0051-0052.FLAT	16	0:13	22:25:13.7	+31:28:16	300	90	3.0	#57 Velocity S	2	
0053.SKY	120	0:46	23:00:36.6	+31:28:10	300	90	3.0	#57 Velocity S	2	
0054.COMP	5	0:56	23:08:37.8	+31:28:09	300	90	3.0	#57 Velocity S	2	
0055.BDp284211	60	1:04	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0056.COMP	10	1:06	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0057.BDp284211	50	1:09	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0058.COMP	5	1:10	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0059.BDp174708	30	1:14	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	
0060.COMP	5	1:15	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	
0061.BDp174708	45	1:16	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	

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0062.COMP	10	1:18	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0063.IC187E	600	1:24	02:01:33.5	+26:29:00	300	90	3.0	#141 Mapping t	2	
0064.COMP	10	1:35	02:01:33.5	+26:29:00	300	90	3.0	#141 Mapping t	2	
0065.IC187E	780	1:37	02:01:33.5	+26:29:00	300	90	3.0	#141 Mapping t	4	
0066.COMP	5	1:50	02:01:33.5	+26:29:00	300	90	3.0	#141 Mapping t	4	
0067.IC187W	400	1:53	02:01:30.7	26:28:51	300	90	3.0	#141 Mapping t	4	
0068.COMP	5	2:00	02:01:30.7	26:28:51	300	90	3.0	#141 Mapping t	4	
0069.2M02450580p1738391	720	2:04	02:45:05.8	+17:38:39	300	90	3.0	#141 Mapping t	4	
0070.COMP	5	2:17	02:45:05.8	+17:38:39	300	90	3.0	#141 Mapping t	4	
0071.2M02453507p4838599	600	2:22	02:45:35.1	+48:39:00	300	0	3.0	#141 Mapping t	4	
0072.COMP	5	2:33	02:45:35.1	+48:39:00	300	0	3.0	#141 Mapping t	4	
0073.2M02483453p4641233	600	2:38	02:48:34.5	+46:41:23	300	90	3.0	#141 Mapping t	4	
0074.COMP	5	2:49	02:48:34.5	+46:41:23	300	90	3.0	#141 Mapping t	4	
0075.2M02480138p3939504	720	2:54	02:48:01.3	+39:39:50	300	90	3.0	#141 Mapping t	4	
0076.COMP	5	3:11	02:48:01.3	+39:39:50	300	90	3.0	#141 Mapping t	4	
0077.2M02532862p3626179	480	3:13	02:53:28.6	+36:26:17	300	90	3.0	#141 Mapping t	4	
0078.COMP	5	3:22	02:53:28.6	+36:26:17	300	90	3.0	#141 Mapping t	4	
0079.2M02501013p0349482	360	3:27	02:50:10.1	+03:49:48	300	90	3.0	#141 Mapping t	4	
0080.COMP	5	3:34	02:50:10.1	+03:49:48	300	90	3.0	#141 Mapping t	4	
0081.2M02521603p0645079	400	3:35	02:52:16.0	+06:45:07	300	90	3.0	#141 Mapping t	4	

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0082.COMP	5	3:43	02:52:16.0	+06:45:07	300	90	3.0	#141 Mapping t	4	
0083.2M02584399p1715453	900	3:44	02:58:44.0	+17:15:45	300	90	3.0	#141 Mapping t	4	
0084.COMP	5	4:01	02:58:44.0	+17:15:45	300	90	3.0	#141 Mapping t	4	
0085.2M02584399p1715453	900	4:01	02:58:44.0	+17:15:45	300	90	3.0	#141 Mapping t	4	
0086.COMP	5	4:17	02:58:44.0	+17:15:45	300	90	3.0	#141 Mapping t	4	
0087.2M02591241p4508055	480	4:20	02:59:12.4	+45:08:05	300	90	3.0	#141 Mapping t	4	
0088.COMP	5	4:28	02:59:12.4	+45:08:05	300	90	3.0	#141 Mapping t	4	
0089.2M02595963p4509130	480	4:30	03:00:00.0	+45:09:13	300	90	3.0	#141 Mapping t	4	
0090.COMP	5	4:38	03:00:00.0	+45:09:13	300	90	3.0	#141 Mapping t	4	
0091.2M02594195p3849571	600	4:47	02:59:41.9	+38:49:57	300	90	3.0	#141 Mapping t	4	
0092.COMP	5	4:58	02:59:41.9	+38:49:57	300	90	3.0	#141 Mapping t	4	
0093.2M03001237p0426175	600	5:02	03:00:12.3	+04:26:17	300	90	3.0	#141 Mapping t	4	
0094.COMP	5	5:13	03:00:12.3	+04:26:17	300	90	3.0	#141 Mapping t	4	
0095.2M03001237p0426175	600	5:13	03:00:12.3	+04:26:17	300	90	3.0	#141 Mapping t	4	
0096.COMP	5	5:24	03:00:12.3	+04:26:17	300	90	3.0	#141 Mapping t	4	
0097.2M03005158p0048268	600	5:25	03:00:51.5	+00:48:26	300	90	3.0	#141 Mapping t	4	
0098.COMP	5	5:37	03:00:51.5	+00:48:26	300	90	3.0	#141 Mapping t	4	
0099.2M03024884p0351494	900	5:38	03:02:48.8	+03:51:49	300	90	3.0	#141 Mapping t	4	
0100.COMP	5	5:53	03:02:48.8	+03:51:49	300	90	3.0	#141 Mapping t	4	
0101.2M03072234p0425173	420	5:55	03:07:22.3	+04:25:17	300	90	3.0	#141 Mapping t	4	

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0102.COMP	5	6:02	03:07:22.3	+04:25:17	300	90	3.0	#141 Mapping t	4	
0103.2M03095739p1907173	360	6:04	03:09:57.4	+19:07:17	300	90	3.0	#141 Mapping t	4	
0104.COMP	5	6:11	03:09:57.4	+19:07:17	300	90	3.0	#141 Mapping t	4	
0105.2M03190321p1347440	360	6:13	03:19:03.2	+13:47:44	300	90	3.0	#141 Mapping t	4	
0106.COMP	5	6:19	03:19:03.2	+13:47:44	300	90	3.0	#141 Mapping t	4	
0107.2M03253075p0151417	420	6:21	03:25:30.7	+01:51:41	300	90	3.0	#141 Mapping t	4	
0108.COMP	5	6:29	03:25:30.7	+01:51:41	300	90	3.0	#141 Mapping t	4	
0109.2M03265392p0742411	1200	6:31	03:26:53.9	+07:42:40	300	90	3.0	#141 Mapping t	4	
0110.COMP	5	6:51	03:26:53.9	+07:42:40	300	90	3.0	#141 Mapping t	4	
0111.2M03265392p0742411	900	6:55	03:26:52.4	+07:42:54	300	90	3.0	#141 Mapping t	4	
0112.COMP	5	7:11	03:26:52.4	+07:42:54	300	90	3.0	#141 Mapping t	4	
0113.sn2004gq	1500	7:15	05:12:04.8	-15:40:54	300	6	3.0	#2 SN Observat	2	
0114.COMP	10	7:41	05:12:04.8	-15:40:54	300	6	3.0	#2 SN Observat	2	
0115.2M04014634p3711255	720	7:49	04:01:46.3	+37:11:25	300	70	3.0	#141 Mapping t	4	
0116.COMP	5	8:02	04:01:46.3	+37:11:25	300	70	3.0	#141 Mapping t	4	
0117.2M04014634p3711255	720	8:03	04:01:46.3	+37:11:25	300	70	3.0	#141 Mapping t	4	
0118.COMP	5	8:15	04:01:46.3	+37:11:25	300	70	3.0	#141 Mapping t	4	
0119.2M04031789p3237118	900	8:17	04:03:17.8	+32:37:12	300	70	3.0	#141 Mapping t	4	
0120.COMP	5	8:33	04:03:17.8	+32:37:12	300	70	3.0	#141 Mapping t	4	
0121.2M04062980p3027592	480	8:34	04:06:29.8	+30:27:59	300	90	3.0	#141 Mapping t	4	

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0122.COMP	5	8:43	04:06:29.8	+30:27:59	300	90	3.0	#141 Mapping t	4	
0123.2M04442021p2603386	900	8:45	04:44:20.2	+26:03:38	300	110	3.0	#141 Mapping t	4	
0124.COMP	5	9:02	04:44:20.2	+26:03:38	300	110	3.0	#141 Mapping t	4	
0125.2M04442021p2603386	900	9:03	04:44:20.2	+26:03:38	300	110	3.0	#141 Mapping t	4	
0126.COMP	5	9:19	04:44:20.2	+26:03:38	300	110	3.0	#141 Mapping t	4	
0127.2M05042219p0620066	450	9:21	05:04:22.1	+06:20:06	300	90	3.0	#141 Mapping t	4	
0128.2M05073539p0521300	420	9:31	05:07:35.4	+05:21:30	300	90	3.0	#141 Mapping t	4	
0129.COMP	5	9:39	05:07:35.4	+05:21:30	300	90	3.0	#141 Mapping t	4	
0130.2M05064960p0122316	360	9:40	05:06:49.6	+01:22:31	300	90	3.0	#141 Mapping t	4	
0131.COMP	5	9:47	05:06:49.6	+01:22:31	300	90	3.0	#141 Mapping t	4	
0132.2M05123451p0704231	420	9:48	05:12:34.5	+07:04:22	300	90	3.0	#141 Mapping t	4	
0133.COMP	5	9:56	05:12:34.5	+07:04:22	300	90	3.0	#141 Mapping t	4	
0134.2M05342391p1317499	660	9:58	05:34:23.9	+13:17:50	300	90	3.0	#141 Mapping t	4	
0135.COMP	5	10:10	05:34:23.9	+13:17:50	300	90	3.0	#141 Mapping t	4	
0136.2M06340572p5230598	600	10:13	06:34:05.7	+52:31:00	300	90	3.0	#141 Mapping t	4	
0137.COMP	5	10:23	06:34:05.7	+52:31:00	300	90	3.0	#141 Mapping t	4	
0138.2M06344854p6254582	480	10:24	06:34:48.5	+62:54:58	300	90	3.0	#141 Mapping t	4	
0139.COMP	5	10:33	06:34:48.5	+62:54:58	300	90	3.0	#141 Mapping t	4	
0140.2M06350418p6258353	360	10:34	06:35:04.1	+62:58:35	300	90	3.0	#141 Mapping t	4	
0141.COMP	5	10:41	06:35:04.1	+62:58:35	300	90	3.0	#141 Mapping t	4	

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0142.2M06411554p6312012	360	10:43	06:41:15.5	+63:12:01	300	90	3.0	#141 Mapping t	4	
0143.COMP	5	10:50	06:41:15.5	+63:12:01	300	90	3.0	#141 Mapping t	4	
0144.2M06505895p5301279	900	10:51	06:50:58.9	+53:01:28	300	90	3.0	#141 Mapping t	4	
0145.COMP	5	11:07	06:50:58.9	+53:01:28	300	90	3.0	#141 Mapping t	4	
0146.sn2004XX	1200	11:12	08:38:23.1	+17:37:39	300	34	3.0	#2 SN Observat	2	
0147.COMP	10	11:33	08:38:23.1	+17:37:39	300	34	3.0	#2 SN Observat	2	
0148.2M12265832+5341040	480	11:39	12:26:58.3	+53:41:4	300	90	3.0	#141 Mapping t	2	
0149.COMP	10	11:48	12:26:58.3	+53:41:4	300	90	3.0	#141 Mapping t	2	
0150.2M12265832+5341040	480	11:49	12:26:58.3	+53:41:4	300	90	3.0	#141 Mapping t	4	
0151.COMP	5	11:58	12:26:58.3	+53:41:4	300	90	3.0	#141 Mapping t	4	
0152.Feige34	30	12:00	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0153.COMP	5	12:01	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0154.Feige34	50	12:01	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0155.COMP	10	12:07	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0156.sn2004gk	900	12:12	12:25:33.2	+12:15:39	300	110	3.0	#2 SN Observat	2	
0157.COMP	10	12:29	12:25:33.2	+12:15:39	300	110	3.0	#2 SN Observat	2	
0158.HD84937	10	12:32	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0159.HD84937	10	12:32	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0160.COMP	10	12:33	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0161.HD84937	7	12:34	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	

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0162.HD84937	7	12:35	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0163.COMP	5	12:37	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0164.MRK421	300	12:38	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0165.MRK421	300	12:43	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0166.COMP	5	12:49	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0167-0176.BIAS	0	12:55	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	4	
0177-0186.FLAT	8	12:59	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	4	
0187-0196.BIAS	0	13:01	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	2	
0197-0206.FLAT	16	13:07	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	2	
0207-0216.DARK	900	16:07	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	4	
0217-0226.DARK	900	18:40	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	2	