

UT Date 2004-12-16 Observers J HuchraColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	23:04	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	2	
0011-0020.BIAS	0	23:06	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	4	
0021-0022.DARK	600	23:35	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	4	
0023-0032.BIAS	0	23:58	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	4	
0033-0042.FLAT	8	0:01	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	4	
0043-0052.BIAS	0	0:03	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	2	
0053-0073.FLAT	16	0:19	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	2	
0074.SKY	300	0:58	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	2	
0075.COMP	5	0:57	11:04:27.4	+38:12:32	300	90	3.0	#141 Mapping t	2	
0076.M32	300	1:10	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	2	
0077.COMP	10	1:16	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	2	
0078.M32	200	1:18	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0079.COMP	5	1:24	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0080.BDp284211	40	1:26	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0081.COMP	5	1:27	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0082.BDp284211	60	1:28	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0083.COMP	10	1:29	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0084.BDp174708	30	1:34	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0085.COMP	10	1:35	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0086.BDp174708	20	1:36	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	

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0087.COMP	5	1:36	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	
0088.2M19595504+4233309	300	1:41	19:59:55.0	42:33:30	300	100	3.0	#141 Mapping t	4	
0089.COMP	5	1:46	19:59:55.0	42:33:30	300	100	3.0	#141 Mapping t	4	
0090.2M19565376+4021092	400	1:48	19:56:53.7	40:21:09	300	90	3.0	#141 Mapping t	4	
0091.COMP	5	1:55	19:56:53.7	40:21:09	300	90	3.0	#141 Mapping t	4	
0092.2M20235470+1341480	480	1:59	20:23:54.7	13:41:48	300	5	3.0	#141 Mapping t	4	
0093.COMP	5	2:08	20:23:54.7	13:41:48	300	5	3.0	#141 Mapping t	4	
0094.2M21465488+3903124	360	2:12	21:46:54.8	39:03:12	300	90	3.0	#141 Mapping t	4	
0095.COMP	5	2:21	21:46:54.8	39:03:12	300	90	3.0	#141 Mapping t	4	
0096.2M21553775+1742123	400	2:23	21:55:37.7	17:42:12	300	90	3.0	#141 Mapping t	4	
0097.COMP	5	2:30	21:55:37.7	17:42:12	300	90	3.0	#141 Mapping t	4	
0098.2M23472909+5502481	300	2:33	23:47:29.0	55:02:48	300	90	3.0	#141 Mapping t	4	
0099.COMP	5	2:39	23:47:29.0	55:02:48	300	90	3.0	#141 Mapping t	4	
0100.2M02364998+5410339	480	2:41	02:36:49.9	54:10:33	300	90	3.0	#141 Mapping t	4	
0101.COMP	5	2:49	02:36:49.9	54:10:33	300	90	3.0	#141 Mapping t	4	
0102.2M04002219+3839233	330	2:54	04:00:22.1	38:39:23	300	90	3.0	#141 Mapping t	4	
0103.COMP	5	3:04	04:00:22.1	38:39:23	300	90	3.0	#141 Mapping t	4	
0104.2M04002219+3839233	600	3:07	04:00:22.1	38:39:23	300	30	3.0	#141 Mapping t	4	
0105.COMP	5	3:21	04:00:22.1	38:39:23	300	30	3.0	#141 Mapping t	4	
0106.2M04341003+2556378	1200	3:28	4:34:10.0	+25:56:37	300	90	3.0	#141 Mapping t	4	

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0107.COMP	5	3:49	4:34:10.0	+25:56:37	300	90	3.0	#141 Mapping t	4	
0108.2M04341003+2556378	1200	3:58	4:34:10.0	+25:56:37	300	90	3.0	#141 Mapping t	4	
0109.COMP	5	4:19	4:34:10.0	+25:56:37	300	90	3.0	#141 Mapping t	4	
0110.2M03034925p4625047	420	4:22	03:03:49.2	+46:25:04	300	90	3.0	#141 Mapping t	4	
0111.COMP	5	4:30	03:03:49.2	+46:25:04	300	90	3.0	#141 Mapping t	4	
0112.2M03044015p3601538	300	4:32	03:04:40.1	+36:01:53	300	90	3.0	#141 Mapping t	4	
0113.COMP	5	4:37	03:04:40.1	+36:01:53	300	90	3.0	#141 Mapping t	4	
0114.2M03044419p4332532	360	4:39	03:04:44.1	+43:32:53	300	90	3.0	#141 Mapping t	4	
0115.COMP	5	4:45	03:04:44.1	+43:32:53	300	90	3.0	#141 Mapping t	4	
0116.2M03062019p4215000	480	4:49	03:06:20.2	+42:15:00	300	90	3.0	#141 Mapping t	4	
0117.COMP	5	4:57	03:06:20.2	+42:15:00	300	90	3.0	#141 Mapping t	4	
0118.2M03044815p2437237	480	4:58	03:04:48.1	+24:37:23	300	90	3.0	#141 Mapping t	4	
0119.COMP	5	5:07	03:04:48.1	+24:37:23	300	90	3.0	#141 Mapping t	4	
0120.2M03080545p4207478	300	5:08	03:08:05.4	+42:07:48	300	90	3.0	#141 Mapping t	4	
0121.COMP	5	5:14	03:08:05.4	+42:07:48	300	90	3.0	#141 Mapping t	4	
0122.2M03094919p4251179	420	5:18	03:09:49.2	+42:51:18	300	90	3.0	#141 Mapping t	4	
0123.COMP	5	5:25	03:09:49.2	+42:51:18	300	90	3.0	#141 Mapping t	4	
0124.2M03114387p3345031	360	5:28	03:11:43.8	+33:45:03	300	90	3.0	#141 Mapping t	4	
0125.COMP	5	5:34	03:11:43.8	+33:45:03	300	90	3.0	#141 Mapping t	4	
0126.2M03121941p3524165	480	5:36	03:12:19.4	+35:24:15	300	90	3.0	#141 Mapping t	4	

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0127.COMP	5	5:45	03:12:19.4	+35:24:15	300	90	3.0	#141 Mapping t	4	
0128.2M03130381p3458268	360	5:46	03:13:03.8	+34:58:27	300	90	3.0	#141 Mapping t	4	
0129.COMP	5	5:53	03:13:03.8	+34:58:27	300	90	3.0	#141 Mapping t	4	
0130.2M03142783p3346169	330	5:54	03:14:27.8	+33:46:17	300	90	3.0	#141 Mapping t	4	
0131.COMP	5	6:00	03:14:27.8	+33:46:17	300	90	3.0	#141 Mapping t	4	
0132.2M03154700p4045262	600	6:01	03:15:46.9	+40:45:26	300	90	3.0	#141 Mapping t	4	
0133.COMP	5	6:12	03:15:46.9	+40:45:26	300	90	3.0	#141 Mapping t	4	
0134.2M03164883p4415466	420	6:13	03:16:48.8	+44:15:46	300	90	3.0	#141 Mapping t	4	
0135.COMP	5	6:20	03:16:48.8	+44:15:46	300	90	3.0	#141 Mapping t	4	
0136.2M03172017p3808304	450	6:22	03:17:20.1	+38:08:30	300	10	3.0	#141 Mapping t	4	
0137.COMP	5	6:30	03:17:20.1	+38:08:30	300	10	3.0	#141 Mapping t	4	
0138.2M03195440p4200526	330	6:32	03:19:54.3	+42:00:52	300	90	3.0	#141 Mapping t	4	
0139.COMP	5	6:39	03:19:54.3	+42:00:52	300	90	3.0	#141 Mapping t	4	
0140.2M03215149p4147500	360	6:40	03:21:51.4	+41:47:50	300	45	3.0	#141 Mapping t	4	
0141.COMP	5	6:47	03:21:51.4	+41:47:50	300	45	3.0	#141 Mapping t	4	
0142.2M03241271p3429291	480	6:48	03:24:12.7	+34:29:29	300	90	3.0	#141 Mapping t	4	
0143.COMP	5	6:57	03:24:12.7	+34:29:29	300	90	3.0	#141 Mapping t	4	
0144.2M03252211p4242457	480	6:59	03:25:22.1	+42:42:45	300	90	3.0	#141 Mapping t	4	
0145.COMP	5	7:09	03:25:22.1	+42:42:45	300	90	3.0	#141 Mapping t	4	
0146.2M05261833+1727412	300	7:10	05:26:18.3	17:27:41	300	90	3.0	#141 Mapping t	4	

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0147.COMP	5	7:16	05:26:18.3	17:27:41	300	90	3.0	#141 Mapping t	4	
0148.2M05330469+1714062	480	7:17	05:33:04.6	17:14:06	300	90	3.0	#141 Mapping t	4	
0149.COMP	5	7:26	05:33:04.6	17:14:06	300	90	3.0	#141 Mapping t	4	
0150.2M05341679+1508106	420	7:27	05:34:16.7	15:08:10	300	90	3.0	#141 Mapping t	4	
0151.COMP	5	7:35	05:34:16.7	15:08:10	300	90	3.0	#141 Mapping t	4	
0152.2M05355242+1529244	600	7:36	05:35:52.4	15:29:24	300	90	3.0	#141 Mapping t	4	
0153.COMP	5	7:46	05:35:52.4	15:29:24	300	90	3.0	#141 Mapping t	4	
0154.sn2004gq	1500	7:52	05:12:04.8	-15:40:54	300	20	3.0	#2 SN Observat	2	
0155.COMP	10	8:24	05:12:04.8	-15:40:54	300	20	3.0	#2 SN Observat	2	
0156.2M04394266p2912286	1200	8:30	04:39:42.6	+29:12:28	300	110	3.0	#141 Mapping t	4	
0157.COMP	5	8:51	04:39:42.6	+29:12:28	300	110	3.0	#141 Mapping t	4	
0158.2M05365917+1614426	450	8:55	05:36:59.1	16:14:42	300	75	3.0	#141 Mapping t	4	
0159.COMP	5	9:03	05:36:59.1	16:14:42	300	75	3.0	#141 Mapping t	4	
0160.2M05371082+1439457	900	9:04	05:37:10.8	14:39:45	300	90	3.0	#141 Mapping t	4	
0161.COMP	5	9:20	05:37:10.8	14:39:45	300	90	3.0	#141 Mapping t	4	
0162.2M05371082+1439457	900	9:21	05:37:10.8	14:39:45	300	90	3.0	#141 Mapping t	4	
0163.COMP	5	9:37	05:37:10.8	14:39:45	300	90	3.0	#141 Mapping t	4	
0164.2M05380286+1615240	300	9:38	05:38:02.8	16:15:24	300	90	3.0	#141 Mapping t	4	
0165.COMP	5	9:44	05:38:02.8	16:15:24	300	90	3.0	#141 Mapping t	4	
0166.2M05380286+1615240	600	9:46	06:19:12.2	+28:10:04	300	90	3.0	#141 Mapping t	4	

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0167.COMP	5	9:57	06:19:12.2	+28:10:04	300	90	3.0	#141 Mapping t	4	
0168.2M05380286+1615240	480	9:59	06:24:58.9	25:02:01	300	90	3.0	#141 Mapping t	4	
0169.COMP	5	10:10	8:0:24.4	+59:46:16	300	90	3.0	#141 Mapping t	4	
0170.2M08002447+5946161	300	10:11	8:0:24.4	+59:46:16	300	90	3.0	#141 Mapping t	4	
0171.COMP	5	10:17	8:0:24.4	+59:46:16	300	90	3.0	#141 Mapping t	4	
0172.2M080220.21+5643005	300	10:18	8:2:20.2	+56:43:0	300	90	3.0	#141 Mapping t	4	
0173.COMP	5	10:24	8:2:20.2	+56:43:0	300	90	3.0	#141 Mapping t	4	
0174.2M080500.71+6059400	360	10:25	8:5:0.7	+60:59:40	300	90	3.0	#141 Mapping t	4	
0175.COMP	5	10:31	8:5:0.7	+60:59:40	300	90	3.0	#141 Mapping t	4	
0176.2M081215.54+6214473	480	10:32	8:12:15.5	+62:14:47	300	90	3.0	#141 Mapping t	4	
0177.COMP	5	10:41	8:12:15.5	+62:14:47	300	90	3.0	#141 Mapping t	4	
0178.BIAS	0	11:32	08:38:23.1	+17:37:39	300	25	3.0	#2 SN Observat	2	
0179.sn2004gs	1200	11:33	08:38:23.1	+17:37:39	300	25	3.0	#2 SN Observat	2	
0180.COMP	10	11:54	08:38:23.1	+17:37:39	300	25	3.0	#2 SN Observat	2	
0181.sn2004gk	900	11:58	12:25:33.2	+12:15:39	300	110	3.0	#2 SN Observat	2	
0182.COMP	10	12:14	12:25:33.2	+12:15:39	300	110	3.0	#2 SN Observat	2	
0183.2M10302024+2113153	300	12:17	10:30:20.2	+21:13:15	300	90	3.0	#141 Mapping t	4	
0184.COMP	5	12:22	10:30:20.2	+21:13:15	300	90	3.0	#141 Mapping t	4	
0185.2M10470260+2632347	360	12:23	10:47:2.6	+26:32:34	300	90	3.0	#141 Mapping t	4	
0186.COMP	5	12:30	10:47:2.6	+26:32:34	300	90	3.0	#141 Mapping t	4	

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0187.2M10482196+1839570	300	12:31	10:48:21.9	+18:39:57	300	90	3.0	#141 Mapping t	4	
0188.COMP	5	12:37	10:48:21.9	+18:39:57	300	90	3.0	#141 Mapping t	4	
0189.MRK421	200	12:38	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0190.MRK421	200	12:42	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0191.COMP	5	12:45	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0192.Feige34	50	12:47	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0193.COMP	5	12:48	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0194.Feige34	60	12:49	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0195.COMP	10	12:51	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0196.HD84937	20	12:54	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0197.HD84937	10	12:54	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0198.COMP	10	12:55	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0199.HD84937	5	12:56	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0200.COMP	5	12:56	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0201.N3379	300	12:59	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	4	
0202.COMP	5	13:05	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	4	
0203.N4486B	300	13:07	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0204.N4486B	200	13:12	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0205.COMP	5	13:16	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0206-0215.BIAS	0	13:22	12:30:32	+12:29:25	300	90	3.0	#141 Mapping t	4	

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0216-0225.FLAT	8	13:25	12:30:32	+12:29:25	300	90	3.0	#141 Mapping t	4	
0226-0235.BIAS	0	13:27	12:30:32	+12:29:25	300	90	3.0	#141 Mapping t	2	
0236-0245.FLAT	16	13:33	12:30:32	+12:29:25	300	90	3.0	#141 Mapping t	2	
0246-0255.DARK	900	16:02	12:30:32	+12:29:25	300	90	3.0	#141 Mapping t	4	
0256-0265.DARK	900	18:34	12:30:32	+12:29:25	300	90	3.0	#141 Mapping t	2	