

UT Date 2006-12-12 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:57	21:51:11.1	28:51:53	300	90	3.0	#2 SN Observat	2	
0011.FLAT	25	23:58	21:51:11.1	28:51:53	300	90	3.0	#2 SN Observat	2	start of FAST run
0012-0025.FLAT	25	0:06	21:51:11.1	28:51:53	300	90	3.0	#2 SN Observat	2	
0026.DARK	900	0:09	21:51:11.1	28:51:53	300	90	3.0	#2 SN Observat	2	
0027-0031.sky	3	0:35	22:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0032.COMP	10	0:36	22:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0033.ZAnd	2	1:12	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	clear, windy, poor seeing
0034.ZAnd	10	1:13	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0035.ZAnd	45	1:13	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0036.COMP	10	1:15	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0037.PUVu1	10	1:17	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0038.PUVu1	30	1:17	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0039.PUVu1	90	1:18	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0040.COMP	10	1:20	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0041.CICyg	3	1:23	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0042.CICyg	10	1:23	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0043.CICyg	90	1:24	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0044.COMP	10	1:26	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0046.CHCyg	10	1:28	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0047.CHCyg	30	1:29	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	

UT Date 2006-12-12 Observers P BerlindColl. Focus 1320 Grating/Grism 300

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0048.COMP	10	1:30	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0049.BFCyg	10	1:32	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0050.BFCyg	30	1:32	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0051.BFCyg	60	1:33	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0052.COMP	10	1:35	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0053.BDp284211	240	1:37	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0054.BDp284211	240	1:41	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0055.COMP	10	1:46	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0056.BDp174708	60	1:47	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0057.BDp174708	60	1:48	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0058.BDp174708	60	1:49	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0059.COMP	10	1:51	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0060.RAqr	5	1:53	23:43:49	-15:17:05	300	0	3.0	#12 Symbiotic	2	
0061.RAqr	1	1:54	23:43:49	-15:17:05	300	0	3.0	#12 Symbiotic	2	
0062.RAqr	1	1:54	23:43:49	-15:17:05	300	0	3.0	#12 Symbiotic	2	
0063.RAqr	5	1:55	23:43:49	-15:17:05	300	0	3.0	#12 Symbiotic	2	
0064.COMP	10	1:56	23:43:49	-15:17:05	300	0	3.0	#12 Symbiotic	2	
0065.N7469	150	1:58	23:03:15.7	+08:52:27	300	28	3.0	#6 AGN Monitor	2	
0066.N7469	150	2:02	23:03:15.7	+08:52:27	300	28	3.0	#6 AGN Monitor	2	
0067.COMP	10	2:05	23:03:15.7	+08:52:27	300	28	3.0	#6 AGN Monitor	2	

UT Date 2006-12-12 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.Akn564	210	2:07	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0069.Akn564	210	2:11	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0070.COMP	10	2:15	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0071.N7331	180	2:16	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0072.COMP	10	2:19	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0073.IPHASJ0033+61	120	2:22	00:33:27.3	+61:23:37	300	90	3.0	#157 IPHAS	2	
0074.COMP	10	2:25	00:33:27.3	+61:23:37	300	90	3.0	#157 IPHAS	2	
0075.21312752+6430258	900	2:27	21:31:27.5	+64:30:25	300	90	3.0	#141 Mapping t	2	
0076.COMP	10	2:43	21:31:27.5	+64:30:25	300	90	3.0	#141 Mapping t	2	
0077.22453555+6919091	1200	2:45	22:45:35.5	+69:19:09	300	90	3.0	#141 Mapping t	2	
0078.COMP	10	3:05	22:45:35.5	+69:19:09	300	90	3.0	#141 Mapping t	2	
0079.NGC7541	900	3:09	23:14:44.2	4:32:06	300	90	3.0	#113 Interacti	2	
0080.COMP	10	3:25	23:14:44.2	4:32:06	300	90	3.0	#113 Interacti	2	
0081.NGC7537	1200	3:26	23:14:33.3	4:29:50	300	90	3.0	#113 Interacti	2	
0082.COMP	10	3:47	23:14:33.3	4:29:50	300	90	3.0	#113 Interacti	2	
0083.NGC7715	1500	3:49	23:36:21.6	2:09:32	300	90	3.0	#113 Interacti	2	not a star, all fuzz, beware gal in slit to west
0084.COMP	10	4:14	23:36:21.6	2:09:32	300	90	3.0	#113 Interacti	2	
0085.NGC7714	600	4:15	23:36:14.1	2:09:18	300	90	3.0	#113 Interacti	2	
0086.COMP	10	4:26	23:36:14.1	2:09:18	300	90	3.0	#113 Interacti	2	
0087.225m280	272	4:28	00:41:45.1	+41:05:12	300	90	3.0	#57 Velocity S	2	

UT Date 2006-12-12 Observers P BerlindColl. Focus 1320 Grating/Grism 300

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0088.COMP	10	4:33	00:41:45.1	+41:05:12	300	90	3.0	#57 Velocity S	2	
0089.MRK335	150	4:38	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	seeing is better
0090.MRK335	150	4:41	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0091.COMP	10	4:44	00:06:19.6	+20:12:11	300	90	3.0	#172 SDSS Clus	2	
0092.cirfastf040	480	4:46	01:42:25.5	-10:16:11	300	90	3.0	#172 SDSS Clus	2	
0093.COMP	10	4:55	01:42:25.5	-10:16:11	300	90	3.0	#172 SDSS Clus	2	
0094.cirfastf040	900	4:59	01:42:25.5	-10:16:11	300	90	3.0	#172 SDSS Clus	2	
0095.COMP	10	5:15	01:42:25.5	-10:16:11	300	90	3.0	#172 SDSS Clus	2	
0096.cirfastf038	900	5:16	01:42:02.9	-10:22:32	300	90	3.0	#172 SDSS Clus	2	
0097.COMP	10	5:32	01:42:02.9	-10:22:32	300	90	3.0	#172 SDSS Clus	2	
0098.S045.0586P00.7915	900	5:37	03:00:14.0	+00:47:29	300	90	3.0	#129 CHAMP Sou	2	
0099.COMP	10	5:53	03:00:14.0	+00:47:29	300	90	3.0	#129 CHAMP Sou	2	
0100.0054.4746M05.1289	900	5:57	03:37:53.9	-05:07:43	300	0	3.0	#129 CHAMP Sou	2	
0101.COMP	10	6:13	03:37:53.9	-05:07:43	300	0	3.0	#129 CHAMP Sou	2	
0102.0054.4730M05.1294	1800	6:14	03:37:53.5	-05:07:45	300	0	3.0	#129 CHAMP Sou	2	
0103.COMP	10	6:45	03:37:53.5	-05:07:45	300	0	3.0	#129 CHAMP Sou	2	
0104.sn2006le	1800	6:51	05:00:41.9	62:15:19	300	90	3.0	#2 SN Observat	2	
0105.COMP	10	7:21	05:00:41.9	62:15:19	300	90	3.0	#2 SN Observat	2	
0106.fmfa197	720	7:23	03:38:59.1	15:51:51	300	90	3.0	#171 Local Uni	2	
0107.COMP	10	7:36	03:38:59.1	15:51:51	300	90	3.0	#171 Local Uni	2	

UT Date 2006-12-12 Observers P BerlindColl. Focus 1320 Grating/Grism 300

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0108.fmfa198	600	7:37	03:38:59.3	10:09:49	300	90	3.0	#171 Local Uni	2	
0109.COMP	10	7:48	03:38:59.3	10:09:49	300	90	3.0	#171 Local Uni	2	
0110.fmfa199	300	7:48	03:38:59.6	10:24:43	300	90	3.0	#171 Local Uni	2	
0111.COMP	10	7:54	03:38:59.6	10:24:43	300	90	3.0	#171 Local Uni	2	
0112.fmfa201	900	7:56	03:39:06.3	15:51:44	300	90	3.0	#171 Local Uni	2	
0113.COMP	10	8:11	03:39:06.3	15:51:44	300	90	3.0	#171 Local Uni	2	
0114.fmfa202	240	8:12	03:39:06.5	15:45:56	300	90	3.0	#171 Local Uni	2	
0115.COMP	10	8:16	03:39:06.5	15:45:56	300	90	3.0	#171 Local Uni	2	
0116.fmfa204	360	8:18	03:39:07.9	15:56:13	300	90	3.0	#171 Local Uni	2	
0117.COMP	10	8:24	03:39:07.9	15:56:13	300	90	3.0	#171 Local Uni	2	
0118.fmfa205	720	8:25	03:39:08.5	15:02:45	300	90	3.0	#171 Local Uni	2	
0119.COMP	10	8:37	03:39:08.5	15:02:45	300	90	3.0	#171 Local Uni	2	
0120.fmfa206	720	8:39	03:39:09.9	15:34:10	300	90	3.0	#171 Local Uni	2	
0121.COMP	10	8:51	03:39:09.9	15:34:10	300	90	3.0	#171 Local Uni	2	
0122.fmfa208	720	8:52	03:39:12.3	14:38:39	300	90	3.0	#171 Local Uni	2	
0123.COMP	10	9:05	03:39:12.3	14:38:39	300	90	3.0	#171 Local Uni	2	
0124.cirsfastb028	720	9:07	07:48:21.6	28:47:26	300	81	3.0	#172 SDSS Clus	2	
0125.COMP	10	9:19	07:48:21.6	28:47:26	300	81	3.0	#172 SDSS Clus	2	
0126.cirsfastb029	330	9:21	07:48:27.8	28:53:33	300	81	3.0	#172 SDSS Clus	2	
0127.COMP	10	9:26	07:48:27.8	28:53:33	300	81	3.0	#172 SDSS Clus	2	

UT Date 2006-12-12 Observers P BerlindColl. Focus 1320 Grating/Grism 300

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0128.cirsfastb030	720	9:28	07:48:32.0	27:50:48	300	81	3.0	#172 SDSS Clus	2	
0129.COMP	10	9:40	07:48:32.0	27:50:48	300	81	3.0	#172 SDSS Clus	2	
0130.cirsfastb050	720	9:41	07:50:35.5	29:27:01	300	90	3.0	#172 SDSS Clus	2	
0131.COMP	10	9:54	07:50:35.5	29:27:01	300	90	3.0	#172 SDSS Clus	2	
0132.cirsfastb051	720	9:55	07:51:14.7	28:09:12	300	90	3.0	#172 SDSS Clus	2	
0133.COMP	10	10:08	07:51:14.7	28:09:12	300	90	3.0	#172 SDSS Clus	2	
0134.cirsfastb052	210	10:09	07:51:26.5	28:14:03	300	60	3.0	#172 SDSS Clus	2	
0135.COMP	10	10:13	07:51:26.5	28:14:03	300	60	3.0	#172 SDSS Clus	2	
0136.cirsfastb053	720	10:15	07:52:11.4	28:23:19	300	90	3.0	#172 SDSS Clus	2	
0137.COMP	10	10:27	07:52:11.4	28:23:19	300	90	3.0	#172 SDSS Clus	2	
0138.cirsfastb054	720	10:28	07:52:13.0	28:45:30	300	90	3.0	#172 SDSS Clus	2	
0139.COMP	10	10:41	07:52:13.0	28:45:30	300	90	3.0	#172 SDSS Clus	2	
0140.cirsfastb055	600	10:42	07:52:23.5	28:32:38	300	90	3.0	#172 SDSS Clus	2	
0141.COMP	10	10:52	07:52:23.5	28:32:38	300	90	3.0	#172 SDSS Clus	2	
0142.sn2006jc	1800	10:57	09:17:20.7	+41:54:32	300	0	3.0	#2 SN Observat	2	
0143.COMP	10	11:28	09:17:20.7	+41:54:32	300	0	3.0	#2 SN Observat	2	
0144.cirsfastb056	240	11:35	07:52:25.7	28:30:39	300	90	3.0	#172 SDSS Clus	2	
0145.COMP	10	11:39	07:52:25.7	28:30:39	300	90	3.0	#172 SDSS Clus	2	
0146.cirsfastb057	360	11:40	07:53:30.7	28:18:50	300	90	3.0	#172 SDSS Clus	2	
0147.COMP	10	11:47	07:53:30.7	28:18:50	300	90	3.0	#172 SDSS Clus	2	

UT Date 2006-12-12 Observers P BerlindColl. Focus 1320 Grating/Grism 300

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0148.cirsfastb058	180	11:48	07:53:57.0	30:51:54	300	90	3.0	#172 SDSS Clus	2	a star
0149.COMP	10	11:51	07:53:57.0	30:51:54	300	90	3.0	#172 SDSS Clus	2	
0150.cirsfastb059	600	11:53	07:54:32.6	28:30:23	300	90	3.0	#172 SDSS Clus	2	
0151.COMP	10	12:04	07:54:32.6	28:30:23	300	90	3.0	#172 SDSS Clus	2	
0152.cirsfastb060	90	12:05	07:55:11.4	30:57:03	300	90	3.0	#172 SDSS Clus	2	another star. 2 stars
0153.COMP	10	12:07	07:55:11.4	30:57:03	300	90	3.0	#172 SDSS Clus	2	
0154.cirsfastb061	300	12:08	07:55:32.5	27:44:10	300	90	3.0	#172 SDSS Clus	2	
0155.COMP	10	12:13	07:55:32.5	27:44:10	300	90	3.0	#172 SDSS Clus	2	
0156.S119.9052P30.1462	180	12:14	07:59:37.2	+30:08:46	300	90	3.0	#129 CHAMP Sou	2	
0157.COMP	10	12:18	07:59:37.2	+30:08:46	300	90	3.0	#129 CHAMP Sou	2	
0158.S120.1943P36.0711	180	12:19	08:00:46.6	+36:04:16	300	90	3.0	#129 CHAMP Sou	2	wind picking up again
0159.COMP	10	12:22	08:00:46.6	+36:04:16	300	90	3.0	#129 CHAMP Sou	2	
0160.S120.2005P36.1227	180	12:23	08:00:48.1	+36:07:21	300	90	3.0	#129 CHAMP Sou	2	
0161.COMP	10	12:26	08:00:48.1	+36:07:21	300	90	3.0	#129 CHAMP Sou	2	
0162.S120.2542P36.0971	60	12:27	08:01:01.0	+36:05:49	300	90	3.0	#129 CHAMP Sou	2	
0163.COMP	10	12:28	08:01:01.0	+36:05:49	300	90	3.0	#129 CHAMP Sou	2	
0164.S120.4881P44.2440	720	12:30	08:01:57.1	+44:14:38	300	100	3.0	#129 CHAMP Sou	2	
0165.COMP	10	12:42	08:01:57.1	+44:14:38	300	100	3.0	#56 Spectropho	2	
0166.HD84937	5	12:44	09:48:54.8	13:45:13	300	35	3.0	#56 Spectropho	2	
0167.HD84937	5	12:45	09:48:54.8	13:45:13	300	35	3.0	#56 Spectropho	2	

UT Date 2006-12-12 Observers P BerlindColl. Focus 1320 Grating/Grism 300

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0168.HD84937	5	12:45	09:48:54.8	13:45:13	300	35	3.0	#56 Spectropho	2	
0169.COMP	10	12:46	09:48:54.8	13:45:13	300	35	3.0	#56 Spectropho	2	
0170.Feige34	120	12:48	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0171.Feige34	120	12:51	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0172.COMP	10	12:53	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0173.N3227	150	12:54	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0174.N3227	150	12:57	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0175.COMP	10	13:00	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0176.MRK421	240	13:01	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	bright
0177.MRK421	240	13:05	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0178.COMP	10	13:10	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0179.N4051	150	13:11	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0180.N4051	150	13:13	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0181.COMP	10	13:16	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0182.N4151	30	13:17	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0183.N4151	30	13:18	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0184.COMP	10	13:19	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0185-0194.BIAS	0	13:22	12:10:32.6	+39:24:21	300	90	3.0	#12 Symbiotic	2	
0195-0209.FLAT	25	13:31	12:10:32.6	+39:24:21	300	90	3.0	#12 Symbiotic	2	
0210-0219.DARK	900	16:04	12:10:32.6	+39:24:21	300	90	3.0	#12 Symbiotic	2	



UT Date 2006-12-13 Observers P BerlindColl. Focus 1320 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.BIAS	0	0:04	12:10:32.6	+39:24:21	300	90	3.0	#12 Symbiotic	2	
0011-0025.FLAT	25	0:13	12:10:32.6	+39:24:21	300	90	3.0	#12 Symbiotic	2	
0026-0030.sky	3	0:36	22:40:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0031.COMP	10	0:37	22:40:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0032.BDp174708	45	1:19	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0033.BDp174708	45	1:20	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0034.BDp174708	45	1:21	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0035.COMP	10	1:23	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0036.BDp284211	150	1:24	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0037.BDp284211	150	1:26	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0038.COMP	10	1:30	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0039.N7331	120	1:31	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0040.COMP	10	1:33	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0041.BIAS	0	1:35	22:34:46.9	+34:09:43	300	90	3.0	#12 Symbiotic	2	test, check binning, ok
0042.fmf001	660	1:41	00:37:36.1	6:23:49	300	90	3.0	#171f Local Un	2	
0043.COMP	10	1:52	00:37:36.1	6:23:49	300	90	3.0	#171f Local Un	2	
0044.fmf004	848	1:54	00:41:06.1	6:09:42	300	90	3.0	#171f Local Un	2	
0045.COMP	10	2:09	00:41:06.1	6:09:42	300	90	3.0	#171f Local Un	2	
0046.fmf002	720	2:09	00:38:30.7	7:25:56	300	90	3.0	#171f Local Un	2	
0047.COMP	10	2:22	00:38:30.7	7:25:56	300	90	3.0	#171f Local Un	2	

UT Date 2006-12-13 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.fmb003	692	2:23	00:40:19.9	7:00:45	300	90	3.0	#171f Local Un	2	a close pair of gals, target is the brighter gal on the east sid
0049.COMP	10	2:35	00:40:19.9	7:00:45	300	90	3.0	#171f Local Un	2	did not see gal2 while setting up through clouds
0050.00462503-1425496	667	2:43	00:46:25.0	-14:25:49	300	90	3.0	#141 Mapping t	2	
0051.COMP	10	2:56	00:46:25.0	-14:25:49	300	90	3.0	#141 Mapping t	2	
0052.00333393-0523208	600	2:57	00:33:33.9	-05:23:20	300	90	3.0	#141 Mapping t	2	
0053.COMP	10	3:08	00:33:33.9	-05:23:20	300	90	3.0	#141 Mapping t	2	
0054.00341617+0140128	300	3:09	00:34:16.1	+01:40:12	300	90	3.0	#141 Mapping t	2	
0055.COMP	10	3:14	00:34:16.1	+01:40:12	300	90	3.0	#141 Mapping t	2	
0056.00304918+0306460	268	3:15	00:30:49.1	+03:06:46	300	90	3.0	#141 Mapping t	2	
0057.COMP	10	3:20	00:30:49.1	+03:06:46	300	90	3.0	#141 Mapping t	2	
0058.cirsfastf012	480	3:24	01:07:39.5	14:44:04	300	90	3.0	#172 SDSS Clus	2	
0059.COMP	10	3:32	01:07:39.5	14:44:04	300	90	3.0	#172 SDSS Clus	2	
0060.cirsfastf013	600	3:33	01:09:42.2	14:17:06	300	90	3.0	#172 SDSS Clus	2	
0061.COMP	10	3:44	01:09:42.2	14:17:06	300	90	3.0	#172 SDSS Clus	2	
0062.cirsfastf014	900	3:45	01:10:00.7	14:47:49	300	90	3.0	#172 SDSS Clus	2	
0063.COMP	10	4:01	01:10:00.7	14:47:49	300	90	3.0	#172 SDSS Clus	2	more clouds...
0064.IPHAS_B59	300	4:05	02:49:13.9	63:10:42	300	90	3.0	#157 IPHAS	2	
0065.COMP	10	4:11	02:49:13.9	63:10:42	300	90	3.0	#157 IPHAS	2	
0066.IPHAS_B60	360	4:12	02:49:28.4	59:52:48	300	90	3.0	#157 IPHAS	2	
0067.COMP	10	4:19	02:49:28.4	59:52:48	300	90	3.0	#157 IPHAS	2	

UT Date 2006-12-13 Observers P BerlindColl. Focus 1320 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.IPHAS_B61	606	4:20	02:49:40.1	58:15:56	300	80	3.0	#157 IPHAS	2	
0069.COMP	10	4:30	02:49:40.1	58:15:56	300	80	3.0	#157 IPHAS	2	
0070.IPHAS_B62	240	4:32	02:49:40.6	62:14:24	300	90	3.0	#157 IPHAS	2	
0071.COMP	10	4:36	02:49:40.6	62:14:24	300	90	3.0	#157 IPHAS	2	
0072.IPHAS_B63	900	4:37	02:50:58.7	56:48:4	300	90	3.0	#157 IPHAS	2	
0073.COMP	10	4:53	02:50:58.7	56:48:4	300	90	3.0	#157 IPHAS	2	
0074.IPHAS_B64	1060	4:54	02:50:59.1	61:56:48	300	90	3.0	#157 IPHAS	2	
0075.COMP	10	5:12	02:50:59.1	61:56:48	300	90	3.0	#157 IPHAS	2	
0076.IPHAS_B65	240	5:14	02:51:2.2	61:57:33	300	90	3.0	#157 IPHAS	2	
0077.COMP	10	5:18	02:51:2.2	61:57:33	300	90	3.0	#157 IPHAS	2	
0078.IPHAS_B66	727	5:19	02:51:30.4	62:10:52	300	90	3.0	#157 IPHAS	2	
0079.COMP	10	5:32	02:51:30.4	62:10:52	300	90	3.0	#157 IPHAS	2	
0080.IPHAS_B67	240	5:33	02:52:0.2	62:11:45	300	90	3.0	#157 IPHAS	2	
0081.COMP	10	5:37	02:52:0.2	62:11:45	300	90	3.0	#157 IPHAS	2	
0082.IPHAS_B68	150	5:38	02:52:4.1	58:34:23	300	90	3.0	#157 IPHAS	2	
0083.COMP	10	5:41	02:52:4.1	58:34:23	300	90	3.0	#157 IPHAS	2	
0084.IPHAS_B71	720	5:42	02:53:24.5	61:46:22	300	90	3.0	#157 IPHAS	2	
0085.COMP	10	5:54	02:53:24.5	61:46:22	300	90	3.0	#157 IPHAS	2	
0086.IPHAS_B72	300	5:55	02:54:42.5	57:36:54	300	90	3.0	#157 IPHAS	2	sky is getting much better
0087.COMP	10	6:00	02:54:42.5	57:36:54	300	90	3.0	#157 IPHAS	2	

UT Date 2006-12-13 Observers P BerlindColl. Focus 1320 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.IPHAS_B74	300	6:01	02:57:0.5	57:57:42	300	90	3.0	#157 IPHAS	2	
0089.COMP	10	6:06	02:57:0.5	57:57:42	300	90	3.0	#157 IPHAS	2	
0090.IPHAS_B73	90	6:07	02:55:41.0	54:46:13	300	90	3.0	#157 IPHAS	2	id ok
0091.COMP	10	6:09	02:55:41.0	54:46:13	300	90	3.0	#157 IPHAS	2	
0092.fmb115	1200	6:11	02:56:37.6	4:49:14	300	90	3.0	#171f Local Un	2	
0093.COMP	10	6:32	02:56:37.6	4:49:14	300	90	3.0	#171f Local Un	2	
0094.fmb116	386	6:33	02:57:42.1	5:25:56	300	90	3.0	#171f Local Un	2	
0095.COMP	10	6:40	02:57:42.1	5:25:56	300	90	3.0	#171f Local Un	2	
0096.fmb117_118	1200	6:41	02:57:45.3	5:57:13	300	90	3.0	#171f Local Un	2	one galaxy with 2 names
0097.COMP	10	7:02	02:57:45.3	5:57:13	300	90	3.0	#171f Local Un	2	
0098.Akn120	180	7:04	05:13:38.0	-00:12:15	300	80	3.0	#6 AGN Monitor	2	
0099.Akn120	180	7:08	05:13:38.0	-00:12:15	300	80	3.0	#6 AGN Monitor	2	
0100.COMP	10	7:11	05:13:38.0	-00:12:15	300	80	3.0	#6 AGN Monitor	2	
0101.fmfa207	720	7:13	03:39:12.0	10:19:07	300	80	3.0	#171 Local Uni	2	
0102.COMP	10	7:25	03:39:12.0	10:19:07	300	80	3.0	#171 Local Uni	2	
0103.fmfa203	900	7:26	03:39:07.1	9:43:29	300	80	3.0	#171 Local Uni	2	
0104.COMP	10	7:42	03:39:07.1	9:43:29	300	80	3.0	#171 Local Uni	2	
0105.fmfa200	900	7:42	03:38:59.8	9:34:04	300	80	3.0	#171 Local Uni	2	
0106.COMP	10	7:58	03:38:59.8	9:34:04	300	80	3.0	#171 Local Uni	2	
0107.fmfa209	900	7:59	03:39:16.0	10:32:40	300	90	3.0	#171 Local Uni	2	

UT Date 2006-12-13 Observers P BerlindColl. Focus 1320 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>
0108.COMP	10	8:15	03:39:16.0	10:32:40	300	90	3.0	#171 Local Uni	2	
0109.fmfa210	540	8:16	03:39:16.5	9:46:20	300	90	3.0	#171 Local Uni	2	
0110.COMP	10	8:25	03:39:16.5	9:46:20	300	90	3.0	#171 Local Uni	2	
0111.fmfa212	360	8:26	03:39:18.1	9:53:53	300	90	3.0	#171 Local Uni	2	
0112.COMP	10	8:32	03:39:18.1	9:53:53	300	90	3.0	#171 Local Uni	2	
0113.fmfa211	300	8:33	03:39:17.3	15:51:23	300	90	3.0	#171 Local Uni	2	
0114.COMP	10	8:39	03:39:17.3	15:51:23	300	90	3.0	#171 Local Uni	2	
0115.fmfa213	540	8:40	03:39:22.5	15:54:14	300	90	3.0	#171 Local Uni	2	
0116.COMP	10	8:49	03:39:22.5	15:54:14	300	90	3.0	#171 Local Uni	2	
0117.fmfa214	600	8:50	03:39:26.4	10:16:26	300	90	3.0	#171 Local Uni	2	
0118.COMP	10	9:00	03:39:26.4	10:16:26	300	90	3.0	#171 Local Uni	2	
0119.fmfa242	900	9:02	03:41:40.1	14:30:12	300	90	3.0	#171 Local Uni	2	
0120.COMP	10	9:18	03:41:40.1	14:30:12	300	90	3.0	#171 Local Uni	2	
0121.06464226-1912298	600	9:19	06:46:42.2	-19:12:29	300	90	3.0	#141 Mapping t	2	
0122.COMP	10	9:30	06:46:42.2	-19:12:29	300	90	3.0	#141 Mapping t	2	
0123.07102026-2230487	600	9:32	07:10:20.2	-22:30:48	300	90	3.0	#141 Mapping t	2	
0124.COMP	10	9:42	07:10:20.2	-22:30:48	300	90	3.0	#141 Mapping t	2	
0125.07480565-1434155	420	9:44	07:48:05.6	-14:34:15	300	90	3.0	#141 Mapping t	2	
0126.COMP	10	9:51	07:48:05.6	-14:34:15	300	90	3.0	#141 Mapping t	2	
0127.07494015-1401469	600	9:52	07:49:40.1	-14:01:46	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-13 Observers P BerlindColl. Focus 1320 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>
0128.COMP	10	10:02	07:49:40.1	-14:01:46	300	90	3.0	#141 Mapping t	2	
0129.07051537-1839124	90	10:03	07:05:15.3	-18:39:12	300	90	3.0	#141 Mapping t	2	a star
0130.COMP	10	10:05	07:05:15.3	-18:39:12	300	90	3.0	#141 Mapping t	2	
0131.08030576-1627231	300	10:07	08:03:05.7	-16:27:23	300	90	3.0	#141 Mapping t	2	
0132.COMP	10	10:12	08:03:05.7	-16:27:23	300	90	3.0	#141 Mapping t	2	
0133.08064305-1407547	600	10:13	08:06:43.0	-14:07:54	300	90	3.0	#141 Mapping t	2	
0134.COMP	10	10:24	08:06:43.0	-14:07:54	300	90	3.0	#141 Mapping t	2	
0135.08083911-1858106	600	10:25	08:08:39.1	-18:58:10	300	90	3.0	#141 Mapping t	2	
0136.COMP	10	10:35	08:08:39.1	-18:58:10	300	90	3.0	#141 Mapping t	2	
0137.08171213-1832346	420	10:36	08:17:12.1	-18:32:34	300	90	3.0	#141 Mapping t	2	
0138.COMP	10	10:43	08:17:12.1	-18:32:34	300	90	3.0	#141 Mapping t	2	
0139.08140394-2029497	300	10:44	08:14:03.9	-20:29:49	300	90	3.0	#141 Mapping t	2	
0140.COMP	10	10:50	08:14:03.9	-20:29:49	300	90	3.0	#141 Mapping t	2	
0141.08163364-2039438	480	10:50	08:16:33.6	-20:39:43	300	90	3.0	#141 Mapping t	2	
0142.COMP	10	10:59	08:16:33.6	-20:39:43	300	90	3.0	#141 Mapping t	2	
0143.08362494-1922430	60	11:00	08:36:24.9	-19:22:43	300	90	3.0	#141 Mapping t	2	a star
0144.COMP	10	11:02	08:36:24.9	-19:22:43	300	90	3.0	#141 Mapping t	2	
0145.08391430-2337174	240	11:02	08:39:14.3	-23:37:17	300	90	3.0	#141 Mapping t	2	
0146.COMP	10	11:07	08:39:14.3	-23:37:17	300	90	3.0	#141 Mapping t	2	
0147.08480925-2306342	300	11:08	08:48:09.2	-23:06:34	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-13 Observers P BerlindColl. Focus 1320 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>
0148.COMP	10	11:13	08:48:09.2	-23:06:34	300	90	3.0	#141 Mapping t	2	
0149.09005790-2239549	480	11:14	09:00:57.9	-22:39:54	300	90	3.0	#141 Mapping t	2	
0150.COMP	10	11:22	09:00:57.9	-22:39:54	300	90	3.0	#141 Mapping t	2	
0151.08432649-1103157	210	11:24	08:43:26.4	-11:03:15	300	90	3.0	#141 Mapping t	2	
0152.COMP	10	11:28	08:43:26.4	-11:03:15	300	90	3.0	#141 Mapping t	2	
0153.07471832-0010086	420	11:29	07:47:18.3	-00:10:08	300	90	3.0	#141 Mapping t	2	beware A-type star in slit to east
0154.COMP	10	11:36	07:47:18.3	-00:10:08	300	90	3.0	#141 Mapping t	2	
0155.fmf137	600	11:39	07:20:49.1	56:30:04	300	90	3.0	#171f Local Un	2	
0156.COMP	10	11:49	07:20:49.1	56:30:04	300	90	3.0	#171f Local Un	2	
0157.fmf138	540	11:50	07:20:59.9	56:31:40	300	90	3.0	#171f Local Un	2	
0158.COMP	10	11:59	07:20:59.9	56:31:40	300	90	3.0	#171f Local Un	2	
0159.fmf139	480	12:00	07:21:12.6	55:07:18	300	90	3.0	#171f Local Un	2	
0160.COMP	10	12:09	07:21:12.6	55:07:18	300	90	3.0	#171f Local Un	2	
0161.fmf140	360	12:09	07:22:09.8	55:39:51	300	90	3.0	#171f Local Un	2	
0162.COMP	10	12:16	07:22:09.8	55:39:51	300	90	3.0	#171f Local Un	2	
0163.fmf141	360	12:17	07:22:34.8	56:32:29	300	80	3.0	#171f Local Un	2	
0164.COMP	10	12:23	07:22:34.8	56:32:29	300	80	3.0	#171f Local Un	2	
0165.fmf142	360	12:24	07:25:00.4	55:52:43	300	80	3.0	#171f Local Un	2	
0166.COMP	10	12:30	07:25:00.4	55:52:43	300	80	3.0	#171f Local Un	2	
0167.fmf143	540	12:31	07:25:44.7	55:35:32	300	80	3.0	#171f Local Un	2	

UT Date 2006-12-13 Observers P BerlindColl. Focus 1320 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>
0168.COMP	10	12:40	07:25:44.7	55:35:32	300	80	3.0	#171f Local Un	2	
0169.fmb147	300	12:45	11:05:33.9	28:30:07	300	90	3.0	#171f Local Un	2	
0170.COMP	10	12:50	11:05:33.9	28:30:07	300	90	3.0	#171f Local Un	2	
0171.fmb148	240	12:51	11:08:14.6	28:32:26	300	90	3.0	#171f Local Un	2	
0172.COMP	10	12:55	11:08:14.6	28:32:26	300	90	3.0	#171f Local Un	2	
0173.fmb149	420	12:56	11:10:24.9	28:42:29	300	90	3.0	#171f Local Un	2	
0174.COMP	10	13:04	11:10:24.9	28:42:29	300	90	3.0	#171f Local Un	2	
0175.fmb150	240	13:04	11:10:28.6	27:32:09	300	90	3.0	#171f Local Un	2	
0176.COMP	10	13:09	11:10:28.6	27:32:09	300	90	3.0	#171f Local Un	2	
0177.fmb151	240	13:09	11:11:07.2	27:39:39	300	90	3.0	#171f Local Un	2	
0178.COMP	10	13:14	11:11:07.2	27:39:39	300	90	3.0	#171f Local Un	2	
0179-0188.BIAS	0	13:17	11:11:07.2	27:39:39	300	90	3.0	#12 Symbiotic	2	
0189-0203.FLAT	25	13:26	11:11:07.2	27:39:39	300	90	3.0	#12 Symbiotic	2	
0204-0213.DARK	900	15:57	11:11:07.2	27:39:39	300	90	3.0	#12 Symbiotic	2	



UT Date 2006-12-14 Observers M CalkinsColl. Focus 1320 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>
0001-0004.DARK	900	0:49	22:08:01.5	+31:27:41	300	90	3.0	#12 Symbiotic	4	
0005-0014.BIAS	0	1:07	22:08:01.5	+31:27:41	300	90	3.0	#12 Symbiotic	4	
0015-0024.FLAT	12	1:11	22:08:01.5	+31:27:41	300	90	3.0	#12 Symbiotic	4	
0025-0034.BIAS	0	1:13	22:08:01.5	+31:27:41	300	90	3.0	#12 Symbiotic	2	
0035-0054.FLAT	25	1:25	22:08:01.5	+31:27:41	300	90	3.0	#12 Symbiotic	2	
0055.SDSS2136+0041	1200	1:38	21:36:38.5	+00:41:54	300	41	3.0	#165 Quasar Br	2	
0056.COMP	12	1:59	21:36:38.5	+00:41:54	300	41	3.0	#165 Quasar Br	2	
0057.SDSS2215-0045	1200	2:03	22:15:11.9	-00:45:49	300	37	3.0	#165 Quasar Br	2	
0058.SDSS2215-0045	1200	2:23	22:15:11.9	-00:45:49	300	37	3.0	#165 Quasar Br	2	
0059.SDSS2215-0045	1200	2:44	22:15:11.9	-00:45:49	300	37	3.0	#165 Quasar Br	2	
0060.COMP	12	3:04	22:15:11.9	-00:45:49	300	37	3.0	#165 Quasar Br	2	
0061.BDp284211	70	3:07	21:51:11.1	28:51:53	300	73	3.0	#56 Spectropho	2	
0062.BDp284211	70	3:08	21:51:11.1	28:51:53	300	73	3.0	#56 Spectropho	2	
0063.COMP	12	3:10	21:51:11.1	28:51:53	300	73	3.0	#56 Spectropho	2	
0064.BDp174708	40	3:13	22:11:31.4	18:05:33	300	63	3.0	#56 Spectropho	2	
0065.BDp174708	40	3:14	22:11:31.4	18:05:33	300	63	3.0	#56 Spectropho	2	
0066.BDp174708	40	3:15	22:11:31.4	18:05:33	300	63	3.0	#56 Spectropho	2	
0067.COMP	12	3:16	22:11:31.4	18:05:33	300	63	3.0	#56 Spectropho	2	
0068.SDSS2313+0034	1200	3:20	23:13:24.4	+00:34:44	300	42	3.0	#165 Quasar Br	2	
0069.SDSS2313+0034	1200	3:40	23:13:24.4	+00:34:44	300	42	3.0	#165 Quasar Br	2	

UT Date 2006-12-14 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.SDSS2313+0034	1200	4:00	23:13:24.4	+00:34:44	300	42	3.0	#165 Quasar Br	2	
0071.COMP	12	4:21	23:13:24.4	+00:34:44	300	42	3.0	#165 Quasar Br	2	
0072.SDSS0045+1438	1500	4:28	00:45:27.6	+14:38:16	300	51	3.0	#165 Quasar Br	2	
0073.SDSS0045+1438	1500	4:53	00:45:27.6	+14:38:16	300	51	3.0	#165 Quasar Br	2	
0074.SDSS0045+1438	1500	5:19	00:45:27.6	+14:38:16	300	51	3.0	#165 Quasar Br	2	
0075.COMP	12	5:44	00:45:27.6	+14:38:16	300	51	3.0	#165 Quasar Br	2	
0076.SDSS0132-0027	1500	5:48	01:32:35.2	-00:27:04	300	44	3.0	#165 Quasar Br	2	
0077.COMP	12	6:14	01:32:35.2	-00:27:04	300	44	3.0	#165 Quasar Br	2	
0078.sn20061f	1800	6:20	04:38:29.4	44:02:01	300	13	3.0	#2 SN Observat	2	row=90
0079.COMP	12	6:51	04:38:29.4	44:02:01	300	13	3.0	#2 SN Observat	2	
0080.sn20061e	1800	6:55	05:00:41.9	62:15:19	300	0	3.0	#2 SN Observat	2	row=88
0081.COMP	12	7:26	05:00:41.9	62:15:19	300	0	3.0	#2 SN Observat	2	
0082.fmfa278	600	7:30	04:15:08.1	1:34:10	300	90	3.0	#171 Local Uni	2	
0083.COMP	12	7:40	04:15:08.1	1:34:10	300	90	3.0	#171 Local Uni	2	
0084.fmfa279	780	7:41	04:15:21.4	1:11:28	300	90	3.0	#171 Local Uni	2	
0085.COMP	12	7:56	04:15:21.4	1:11:28	300	90	3.0	#171 Local Uni	2	
0086.fmfa280	1020	7:57	04:15:53.2	0:42:00	300	90	3.0	#171 Local Uni	2	
0087.COMP	12	8:15	04:15:53.2	0:42:00	300	90	3.0	#171 Local Uni	2	
0088.fmfa281	1500	8:17	04:16:18.5	2:53:10	300	90	3.0	#171 Local Uni	2	weak emission, rotation curves
0089.COMP	12	8:43	04:16:18.5	2:53:10	300	90	3.0	#171 Local Uni	2	

UT Date 2006-12-14 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.fmfa358	600	8:46	08:23:36.7	4:23:02	300	100	3.0	#171 Local Uni	2	
0091.COMP	12	8:57	08:23:36.7	4:23:02	300	100	3.0	#171 Local Uni	2	
0092.fmfa359	1320	8:58	08:25:06.8	5:12:53	300	90	3.0	#171 Local Uni	2	
0093.COMP	12	9:21	08:25:06.8	5:12:53	300	90	3.0	#171 Local Uni	2	
0094.fmfa360	1020	9:23	08:25:54.6	4:43:13	300	50	3.0	#171 Local Uni	2	
0095.COMP	12	9:40	08:25:54.6	4:43:13	300	50	3.0	#171 Local Uni	2	
0096.fmfa361	1020	9:42	08:25:58.7	4:34:49	300	90	3.0	#171 Local Uni	2	
0097.COMP	12	9:59	08:25:58.7	4:34:49	300	90	3.0	#171 Local Uni	2	
0098.fmfa362	360	10:01	08:26:24.9	4:49:05	300	100	3.0	#171 Local Uni	2	
0099.COMP	12	10:07	08:26:24.9	4:49:05	300	100	3.0	#171 Local Uni	2	
0100.fmfa363	720	10:10	08:26:53.5	4:29:06	300	80	3.0	#171 Local Uni	2	
0101.COMP	12	10:22	08:26:53.5	4:29:06	300	80	3.0	#171 Local Uni	2	
0102.sn2006jc	1800	10:26	09:17:20.7	+41:54:32	300	45	3.0	#2 SN Observat	2	row=90
0103.COMP	12	10:57	09:17:20.7	+41:54:32	300	45	3.0	#2 SN Observat	2	
0104.c17-BU	1200	10:59	10:58:21.6	29:38:39	300	90	3.0	#113 Interacti	2	
0105.COMP	12	11:20	10:58:21.6	29:38:39	300	90	3.0	#113 Interacti	2	
0106.c17-FB	1080	11:21	11:10:37.4	28:43:57	300	90	3.0	#113 Interacti	2	
0107.COMP	12	11:40	11:10:37.4	28:43:57	300	90	3.0	#113 Interacti	2	
0108.c17-FH	1500	11:41	11:10:55.8	29:19:39	300	90	3.0	#113 Interacti	2	
0109.COMP	12	12:07	11:10:55.8	29:19:39	300	90	3.0	#113 Interacti	2	

UT Date 2006-12-14 Observers M CalkinsColl. Focus 1320 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>
0110.sn2006lv	1500	12:09	11:32:03.3	+36:42:03	300	78	3.0	#2 SN Observat	2	
0111.COMP	12	12:35	11:32:03.3	+36:42:03	300	78	3.0	#2 SN Observat	2	
0113.BIAS	0	13:18	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	2	
0114-0123.BIAS	0	13:22	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	4	
0124-0133.FLAT	12	13:26	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	4	
0134-0143.BIAS	0	13:29	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	2	
0144-0163.FLAT	25	13:42	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	2	
0164-0173.DARK	900	16:02	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	2	

UT Date 2006-12-15 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	23:32	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	4	high counts...bad
0002-0005.DARK	900	0:33	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	4	
0006.BIAS	0	0:55	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	4	bad
0007-0015.BIAS	0	0:56	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	4	
0016.DARK	900	1:19	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	4	test, counts still slightly high
0017.DARK	900	1:38	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	4	
0018-0027.BIAS	0	1:55	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	2	
0028-0047.FLAT	25	2:07	11:18:15.7	+31:32:19	300	90	3.0	#165 Quasar Br	2	
0048.BDp284211	70	2:12	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	2	through clouds
0049.BDp284211	70	2:14	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	2	
0050.COMP	12	2:17	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	2	
0051.BDp174708	45	2:20	22:11:31.4	18:05:33	300	60	3.0	#56 Spectropho	2	
0052.BDp174708	45	2:21	22:11:31.4	18:05:33	300	60	3.0	#56 Spectropho	2	
0053.BDp174708	45	2:22	22:11:31.4	18:05:33	300	60	3.0	#56 Spectropho	2	
0054.COMP	12	2:23	22:11:31.4	18:05:33	300	60	3.0	#56 Spectropho	2	
0055.00181907+3813465	1020	2:29	00:18:19.0	+38:13:46	300	90	3.0	#141 Mapping t	2	
0056.COMP	12	2:47	00:18:19.0	+38:13:46	300	90	3.0	#141 Mapping t	2	
0057.00204006+0652233	1800	2:49	00:20:40.0	+06:52:23	300	110	3.0	#141 Mapping t	2	
0058.COMP	12	3:20	00:20:40.0	+06:52:23	300	110	3.0	#141 Mapping t	2	
0059.00204370+0949123	600	3:22	00:20:43.7	+09:49:12	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-15 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0060.COMP	12	3:32	00:20:43.7	+09:49:12	300	90	3.0	#141 Mapping t	2	
0061.4P	420	3:47	2:27:8.8	2:12:1	300	70	3.0	#173 Small Sol	2	
0062.COMP	12	3:55	2:27:8.8	2:12:1	300	70	3.0	#173 Small Sol	2	
0063.2006WH1	1020	3:58	3:20:3.3	6:9:38	300	110	3.0	#173 Small Sol	2	
0064.COMP	12	4:16	3:20:3.3	6:9:38	300	110	3.0	#173 Small Sol	2	
0065.00204421+0347139	660	4:19	00:20:44.2	+03:47:13	300	90	3.0	#141 Mapping t	2	
0066.COMP	12	4:31	00:20:44.2	+03:47:13	300	90	3.0	#141 Mapping t	2	
0067.00213137+3804367	1200	4:33	00:21:31.3	+38:04:36	300	90	3.0	#141 Mapping t	2	
0068.COMP	12	4:54	00:21:31.3	+38:04:36	300	90	3.0	#141 Mapping t	2	
0069.00213147+4720006	600	4:55	00:21:31.4	+47:20:00	300	94	3.0	#141 Mapping t	2	row=82
0070.COMP	12	5:06	00:21:31.4	+47:20:00	300	94	3.0	#141 Mapping t	2	
0071.00075615+7255402	1320	5:08	00:07:56.1	+72:55:40	300	90	3.0	#141 Mapping t	2	
0072.COMP	12	5:31	00:07:56.1	+72:55:40	300	90	3.0	#141 Mapping t	2	
0073.00181282+0833440	1500	5:34	00:18:12.8	+08:33:44	300	90	3.0	#141 Mapping t	2	clearing
0074.COMP	12	5:59	00:18:12.8	+08:33:44	300	90	3.0	#141 Mapping t	2	
0075.03584198+0636172	300	6:02	03:58:41.9	+06:36:17	300	100	3.0	#141 Mapping t	2	
0076.COMP	12	6:07	03:58:41.9	+06:36:17	300	100	3.0	#141 Mapping t	2	
0077.03584423+1624130	1080	6:09	03:58:44.2	+16:24:13	300	90	3.0	#141 Mapping t	2	
0078.COMP	12	6:28	03:58:44.2	+16:24:13	300	90	3.0	#141 Mapping t	2	
0079.03594130+0633189	300	6:29	03:59:41.3	+06:33:18	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-15 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0080.COMP	12	6:34	03:59:41.3	+06:33:18	300	90	3.0	#141 Mapping t	2	
0081.04000979+7925127	1200	6:39	04:00:09.7	+79:25:12	300	90	3.0	#141 Mapping t	2	
0082.COMP	12	7:00	04:00:09.7	+79:25:12	300	90	3.0	#141 Mapping t	2	
0083.04014427+1924038	540	7:02	04:01:44.2	+19:24:03	300	90	3.0	#141 Mapping t	2	
0084.COMP	12	7:12	04:01:44.2	+19:24:03	300	90	3.0	#141 Mapping t	2	
0085.HD23650	60	7:15	03:49:34.9	+58:46:05	300	90	3.0	#173 Small Sol	2	cnts too high
0086.COMP	12	7:17	03:49:34.9	+58:46:05	300	90	3.0	#173 Small Sol	2	
0087.HD23650	30	7:17	03:49:34.9	+58:46:05	300	90	3.0	#173 Small Sol	2	
0088.COMP	12	7:18	03:49:34.9	+58:46:05	300	90	3.0	#173 Small Sol	2	
0089.BD+58681	30	7:20	04:01:28.0	+58:31:49	300	90	3.0	#173 Small Sol	2	
0090.COMP	12	7:21	04:01:28.0	+58:31:49	300	90	3.0	#173 Small Sol	2	
0091.DARK	300	7:24	4:34:13.6	19:01:54	300	90	3.0	#173 Small Sol	2	test - looks good
0092.ApolloSoyuz	600	7:30	4:34:13.6	19:01:54	300	90	3.0	#173 Small Sol	2	
0093.COMP	12	7:40	4:34:13.6	19:01:54	300	90	3.0	#173 Small Sol	2	
0094.G191-23	30	7:42	05:08:26.6	+55:25:12	300	90	3.0	#173 Small Sol	2	
0095.G191-23	30	7:43	05:08:26.6	+55:25:12	300	90	3.0	#173 Small Sol	2	
0096.COMP	12	7:44	05:08:26.6	+55:25:12	300	90	3.0	#173 Small Sol	2	
0097.Sabrina	660	7:46	5:10:37	22:53:5	300	90	3.0	#173 Small Sol	2	
0098.COMP	12	7:57	5:10:37	22:53:5	300	90	3.0	#173 Small Sol	2	
0099.BD+441305	30	7:59	05:53:34.2	+44:32:39	300	90	3.0	#173 Small Sol	2	

UT Date 2006-12-15 Observers M CalkinsColl. Focus 1320 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>
0100.BD+441305	30	8:00	05:53:34.2	+44:32:39	300	90	3.0	#173 Small Sol	2	
0101.COMP	12	8:01	05:53:34.2	+44:32:39	300	90	3.0	#173 Small Sol	2	
0102.2006UN216	1200	8:05	5:31:1.2	22:15:27	300	90	3.0	#173 Small Sol	2	
0103.COMP	12	8:25	5:31:1.2	22:15:27	300	90	3.0	#173 Small Sol	2	
0104.05002755+7018388	1020	8:28	05:00:27.5	+70:18:38	300	90	3.0	#141 Mapping t	2	
0105.COMP	12	8:46	05:00:27.5	+70:18:38	300	90	3.0	#141 Mapping t	2	
0106.05003483+0425013	600	8:48	05:00:34.8	+04:25:01	300	90	3.0	#141 Mapping t	2	
0107.COMP	12	9:01	05:00:34.8	+04:25:01	300	90	3.0	#141 Mapping t	2	
0108.05011158-1326439	480	9:02	05:01:11.5	-13:26:43	300	90	3.0	#141 Mapping t	2	
0109.COMP	12	9:11	05:01:11.5	-13:26:43	300	90	3.0	#141 Mapping t	2	
0110.cirsfastb031	780	9:15	07:48:46.1	29:14:52	300	60	3.0	#172 SDSS Clus	2	
0111.COMP	12	9:28	07:48:46.1	29:14:52	300	60	3.0	#172 SDSS Clus	2	
0112.cirsfastb032	1020	9:30	07:48:47.8	28:14:23	300	90	3.0	#172 SDSS Clus	2	
0113.COMP	12	9:48	07:48:47.8	28:14:23	300	90	3.0	#172 SDSS Clus	2	
0114.cirsfastb033	540	9:49	07:49:01.5	28:57:33	300	90	3.0	#172 SDSS Clus	2	
0115.COMP	12	10:01	07:49:01.5	28:57:33	300	90	3.0	#172 SDSS Clus	2	
0116.cirsfastb034	720	10:02	07:49:04.8	30:39:25	300	90	3.0	#172 SDSS Clus	2	
0117.COMP	12	10:15	07:49:04.8	30:39:25	300	90	3.0	#172 SDSS Clus	2	
0118.cirsfastb035	1500	10:16	07:49:05.7	28:37:09	300	90	3.0	#172 SDSS Clus	2	
0119.COMP	12	10:42	07:49:05.7	28:37:09	300	90	3.0	#172 SDSS Clus	2	



UT Date 2006-12-15 Observers M CalkinsColl. Focus 1320 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>
0120.cirsfastb036	1800	10:44	07:49:06.1	30:45:39	300	90	3.0	#172 SDSS Clus	2	
0121.COMP	12	11:15	07:49:06.1	30:45:39	300	90	3.0	#172 SDSS Clus	2	
0122.sn2006jc	1800	11:19	09:17:20.7	+41:54:32	300	-14	3.0	#2 SN Observat	2	
0123.COMP	12	11:50	09:17:20.7	+41:54:32	300	-14	3.0	#2 SN Observat	2	
0124.sn2006lv	1800	11:55	11:32:03.3	+36:42:03	300	81	3.0	#2 SN Observat	2	
0125.COMP	12	12:26	11:32:03.3	+36:42:03	300	81	3.0	#2 SN Observat	2	
0126.c17-FJ	1320	12:28	11:10:59.4	28:44:42	300	90	3.0	#113 Interacti	2	
0127.COMP	12	12:50	11:10:59.4	28:44:42	300	90	3.0	#113 Interacti	2	
0128.c17-FK	1200	12:51	11:10:59.8	29:20:11	300	90	3.0	#113 Interacti	2	
0129.COMP	12	13:12	11:10:59.8	29:20:11	300	90	3.0	#113 Interacti	2	
0130.MRK421	300	13:14	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0131.MRK421	300	13:19	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0132.COMP	12	13:24	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0133.Feige34	60	13:26	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0134.COMP	12	13:27	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0135-0144.BIAS	0	13:41	10:39:36.8	43:06:10	300	90	3.0	#172 SDSS Clus	2	
0145-0164.FLAT	25	13:55	10:39:36.8	43:06:10	300	90	3.0	#172 SDSS Clus	2	
0165-0174.DARK	900	16:33	10:39:36.8	43:06:10	300	90	3.0	#172 SDSS Clus	2	

UT Date 2006-12-16 Observers M CalkinsColl. Focus 1320 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>
0001-0005.DARK	900	0:40	10:39:36.8	43:06:10	300	90	3.0	#172 SDSS Clus	4	
0006-0015.BIAS	0	0:57	10:39:36.8	43:06:10	300	90	3.0	#172 SDSS Clus	4	
0016-0025.FLAT	12	1:01	10:39:36.8	43:06:10	300	90	3.0	#172 SDSS Clus	4	
0026-0035.BIAS	0	1:06	10:39:36.8	43:06:10	300	90	3.0	#172 SDSS Clus	2	
0036-0055.FLAT	25	1:19	10:39:36.8	43:06:10	300	90	3.0	#172 SDSS Clus	2	
0056.BDp284211	60	1:38	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0057.BDp284211	60	1:39	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0058.COMP	12	1:40	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0059.BDp174708	40	1:43	22:11:31.4	18:05:33	300	55	3.0	#56 Spectropho	2	
0060.BDp174708	40	1:44	22:11:31.4	18:05:33	300	55	3.0	#56 Spectropho	2	
0061.BDp174708	40	1:44	22:11:31.4	18:05:33	300	55	3.0	#56 Spectropho	2	
0062.COMP	12	1:46	22:11:31.4	18:05:33	300	55	3.0	#56 Spectropho	2	
0063.NGC6786	1200	1:54	19:10:51.7	73:24:40	300	90	3.0	#113 Interacti	2	
0064.COMP	12	2:15	19:10:51.7	73:24:40	300	90	3.0	#113 Interacti	2	
0065.NGC7469	1320	3:08	23:03:15.2	8:52:37	300	100	3.0	#113 Interacti	2	
0066.COMP	12	3:31	23:03:15.2	8:52:37	300	100	3.0	#113 Interacti	2	
0067.IC5283	1500	3:33	23:03:17.8	8:53:44	300	110	3.0	#113 Interacti	2	
0068.COMP	12	3:58	23:03:17.8	8:53:44	300	110	3.0	#113 Interacti	2	
0069.fmfa216	900	4:08	03:39:37.9	9:09:38	300	95	3.0	#171 Local Uni	2	
0070.COMP	12	4:24	03:39:37.9	9:09:38	300	95	3.0	#171 Local Uni	2	

UT Date 2006-12-16 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0071.fmfa217	1320	4:25	03:39:38.0	15:44:39	300	90	3.0	#171 Local Uni	2	
0072.COMP	12	4:48	03:39:38.0	15:44:39	300	90	3.0	#171 Local Uni	2	
0073.fmfa218	1800	4:49	03:39:40.0	14:37:23	300	90	3.0	#171 Local Uni	2	
0074.COMP	12	5:20	03:39:40.0	14:37:23	300	90	3.0	#171 Local Uni	2	
0075.fmfa224	1800	5:23	03:39:47.5	10:17:49	300	90	3.0	#171 Local Uni	2	
0076.COMP	12	5:54	03:39:47.5	10:17:49	300	90	3.0	#171 Local Uni	2	
0077.fmfa225	1500	5:55	03:39:58.2	15:55:16	300	90	3.0	#171 Local Uni	2	
0078.COMP	12	6:21	03:39:58.2	15:55:16	300	90	3.0	#171 Local Uni	2	
0079.fmfa229	1500	6:23	03:40:22.3	9:13:34	300	100	3.0	#171 Local Uni	2	
0080.COMP	12	6:49	03:40:22.3	9:13:34	300	100	3.0	#171 Local Uni	2	
0081.sn2006lf	1800	6:56	04:38:29.4	44:02:01	300	-28	3.0	#2 SN Observat	2	row=79
0082.COMP	12	7:27	04:38:29.4	44:02:01	300	-28	3.0	#2 SN Observat	2	
0083.sn2006le	1800	7:31	05:00:41.9	62:15:19	300	-25	3.0	#2 SN Observat	2	
0084.COMP	12	8:02	05:00:41.9	62:15:19	300	-25	3.0	#2 SN Observat	2	
0085.fmfa282	1080	8:06	04:16:21.7	0:39:20	300	90	3.0	#171 Local Uni	2	
0086.COMP	12	8:24	04:16:21.7	0:39:20	300	90	3.0	#171 Local Uni	2	
0087.fmfa283	1800	8:25	04:16:26.6	0:37:39	300	90	3.0	#171 Local Uni	2	
0088.COMP	12	8:56	04:16:26.6	0:37:39	300	90	3.0	#171 Local Uni	2	
0089.fmfa284	840	8:58	04:16:28.1	0:41:10	300	90	3.0	#171 Local Uni	2	
0090.COMP	12	9:12	04:16:28.1	0:41:10	300	90	3.0	#171 Local Uni	2	

UT Date 2006-12-16 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091.sn2006jc	2100	9:21	09:17:20.7	+41:54:32	300	80	3.0	#2 SN Observat	2	row=83
0092.COMP	12	9:57	09:17:20.7	+41:54:32	300	80	3.0	#2 SN Observat	2	
0093.bcand229	1080	10:07	8:22:57.5	18:44:00	600	90	2.0	#166 Hyper Vel	4	600L, 2 arcsec, tilt=440
0094.COMP	10	10:26	8:22:57.5	18:44:00	600	90	2.0	#166 Hyper Vel	4	
0095.bcand230	1020	10:27	8:28:30.3	16:57:46	600	90	2.0	#166 Hyper Vel	4	
0096.COMP	10	10:44	8:28:30.3	16:57:46	600	90	2.0	#166 Hyper Vel	4	
0097.bcand231	1200	10:45	8:39:01.5	16:11:48	600	90	2.0	#166 Hyper Vel	4	
0098.COMP	10	11:06	8:39:01.5	16:11:48	600	90	2.0	#166 Hyper Vel	4	
0099.bcand232	1260	11:07	8:53:53.5	22:16:29	600	90	2.0	#166 Hyper Vel	4	
0100.COMP	10	11:28	8:53:53.5	22:16:29	600	90	2.0	#166 Hyper Vel	4	
0101.bcand233	1080	11:30	8:55:30.6	19:04:37	600	90	2.0	#166 Hyper Vel	4	
0102.COMP	10	11:48	8:55:30.6	19:04:37	600	90	2.0	#166 Hyper Vel	4	
0103.bcand239	1500	11:50	9:30:48.9	16:17:11	600	90	2.0	#166 Hyper Vel	4	
0104.COMP	10	12:15	9:30:48.9	16:17:11	600	90	2.0	#166 Hyper Vel	4	
0105.bcand240	1080	12:16	9:59:29.8	22:09:21	600	90	2.0	#166 Hyper Vel	4	
0106.COMP	10	12:35	9:59:29.8	22:09:21	600	90	2.0	#166 Hyper Vel	4	
0107.bcand241	1260	12:36	9:04:44.5	20:02:21	600	90	2.0	#166 Hyper Vel	4	
0108.COMP	12	12:58	9:04:44.5	20:02:21	600	90	2.0	#166 Hyper Vel	4	
0109.bcand242	840	12:59	9:05:53.0	22:03:23	600	90	2.0	#166 Hyper Vel	4	
0110.COMP	10	13:14	9:05:53.0	22:03:23	600	90	2.0	#166 Hyper Vel	4	

UT Date 2006-12-16 Observers M CalkinsColl. Focus 1320 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>
0111.Feige34	70	13:16	10:39:36.8	43:06:10	600	90	2.0	#166 Hyper Vel	4	
0112.COMP	10	13:18	10:39:36.8	43:06:10	600	90	2.0	#166 Hyper Vel	4	
0113-0122.FLAT	45	13:27	10:39:36.8	43:06:10	600	90	2.0	#166 Hyper Vel	4	
0123.BIAS	0	13:47	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	4	combo setup
0124-0132.BIAS	0	13:48	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	4	
0133-0142.FLAT	12	13:52	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	4	
0143-0152.BIAS	0	13:55	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	2	
0153-0172.FLAT	25	14:07	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	2	
0173-0182.DARK	900	16:27	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	2	

UT Date 2006-12-17 Observers P BerlindColl. Focus 1320 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.BIAS	0	1:05	23:11:56.6	+31:27:26	300	90	3.0	#57 Velocity S	2	
0011.FLAT	25	1:06	23:11:56.6	+31:27:26	300	90	3.0	#57 Velocity S	2	wind 20-35 mph
0012-0025.FLAT	25	1:14	23:11:56.6	+31:27:26	300	90	3.0	#57 Velocity S	2	
0026.ZAnd	2	1:20	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0027.ZAnd	10	1:21	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0028.ZAnd	30	1:22	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0029.COMP	10	1:22	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0030.EGAnd	2	1:23	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0031.EGAnd	2	1:24	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0032.EGAnd	10	1:24	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0033.EGAnd	20	1:25	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0034.COMP	10	1:26	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0035.AXPer	2	1:27	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0036.AXPer	2	1:27	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0037.AXPer	10	1:27	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0038.AXPer	0	1:27	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0039.AXPer	90	1:28	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0040.COMP	10	1:30	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0041.BDp174708	45	1:33	22:11:31.4	18:05:33	300	54	3.0	#56 Spectropho	2	
0042.BDp174708	45	1:34	22:11:31.4	18:05:33	300	54	3.0	#56 Spectropho	2	

UT Date 2006-12-17 Observers P BerlindColl. Focus 1320 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>
0043.COMP	10	1:35	22:11:31.4	18:05:33	300	54	3.0	#56 Spectropho	2	
0044.BDp284211	90	1:37	21:51:11.1	28:51:53	300	78	3.0	#56 Spectropho	2	
0045.BDp284211	90	1:39	21:51:11.1	28:51:53	300	78	3.0	#56 Spectropho	2	
0046.COMP	10	1:41	21:51:11.1	28:51:53	300	78	3.0	#56 Spectropho	2	
0047.N7331	120	1:42	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0048.COMP	10	1:44	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0049.Akn564	210	1:45	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0050.Akn564	210	1:49	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0051.COMP	10	1:52	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0052.N7469	150	1:54	23:03:15.7	+08:52:27	300	35	3.0	#6 AGN Monitor	2	
0053.N7469	150	1:56	23:03:15.7	+08:52:27	300	35	3.0	#6 AGN Monitor	2	
0054.COMP	10	1:59	23:03:15.7	+08:52:27	300	35	3.0	#6 AGN Monitor	2	
0055.RAqr	2	2:01	23:43:49	-15:17:05	300	35	3.0	#12 Symbiotic	2	
0056.RAqr	1	2:01	23:43:49	-15:17:05	300	35	3.0	#12 Symbiotic	2	
0057.RAqr	5	2:01	23:43:49	-15:17:05	300	35	3.0	#12 Symbiotic	2	
0058.RAqr	5	2:02	23:43:49	-15:17:05	300	35	3.0	#12 Symbiotic	2	
0059.COMP	10	2:02	23:43:49	-15:17:05	300	35	3.0	#12 Symbiotic	2	
0060.MRK335	180	2:04	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0061.MRK335	180	2:08	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0062.COMP	10	2:11	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	

UT Date 2006-12-17 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0063.cirsfastf132	600	2:12	22:09:40.3	13:38:09	300	90	3.0	#172 SDSS Clus	2	
0064.COMP	10	2:23	22:09:40.3	13:38:09	300	90	3.0	#172 SDSS Clus	2	
0065.cirsfastf133	360	2:24	22:17:07.2	13:21:57	300	90	3.0	#172 SDSS Clus	2	there is a brighter gal a few sec away to the sw
0066.COMP	10	2:30	22:17:07.2	13:21:57	300	90	3.0	#172 SDSS Clus	2	
0067.cirsfastf134	600	2:32	23:17:22.9	15:43:17	300	90	3.0	#172 SDSS Clus	2	
0068.COMP	10	2:42	23:17:22.9	15:43:17	300	90	3.0	#172 SDSS Clus	2	
0069.fmf382	360	2:43	23:34:31.4	27:07:28	300	90	3.0	#171f Local Un	2	
0070.COMP	10	2:49	23:34:31.4	27:07:28	300	90	3.0	#171f Local Un	2	
0071.fmf385	360	2:50	23:35:10.5	27:21:36	300	90	3.0	#171f Local Un	2	
0072.COMP	10	2:56	23:35:10.5	27:21:36	300	90	3.0	#171f Local Un	2	
0073.fmf387	360	2:57	23:35:23.1	27:19:22	300	90	3.0	#171f Local Un	2	
0074.COMP	10	3:03	23:35:23.1	27:19:22	300	90	3.0	#171f Local Un	2	
0075.fmf393	300	3:04	23:35:46.3	26:36:18	300	90	3.0	#171f Local Un	2	
0076.COMP	10	3:09	23:35:46.3	26:36:18	300	90	3.0	#171f Local Un	2	
0077.fmf397	300	3:10	23:36:30.4	26:23:28	300	90	3.0	#171f Local Un	2	
0078.COMP	10	3:15	23:36:30.4	26:23:28	300	90	3.0	#171f Local Un	2	
0079.fmf401	420	3:16	23:37:09.4	26:58:01	300	90	3.0	#171f Local Un	2	
0080.COMP	10	3:24	23:37:09.4	26:58:01	300	90	3.0	#171f Local Un	2	
0081.fmf404	720	3:24	23:38:30.1	26:35:50	300	90	3.0	#171f Local Un	2	
0082.COMP	10	3:37	23:38:30.1	26:35:50	300	90	3.0	#171f Local Un	2	



UT Date 2006-12-17 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.fmb406	540	3:38	23:39:11.4	26:13:32	300	90	3.0	#171f Local Un	2	
0084.COMP	10	3:47	23:39:11.4	26:13:32	300	90	3.0	#171f Local Un	2	
0085.fmb407	720	3:48	23:39:55.1	26:40:27	300	90	3.0	#171f Local Un	2	
0086.COMP	10	4:00	23:39:55.1	26:40:27	300	90	3.0	#171f Local Un	2	
0087.fmb408	720	4:01	23:40:41.2	26:36:41	300	90	3.0	#171f Local Un	2	
0088.COMP	10	4:13	23:40:41.2	26:36:41	300	90	3.0	#171f Local Un	2	
0089.fmb409	720	4:14	23:40:46.0	26:33:18	300	90	3.0	#171f Local Un	2	weak
0090.COMP	10	4:27	23:40:46.0	26:33:18	300	90	3.0	#171f Local Un	2	
0091.fmb410	600	4:29	23:41:19.6	27:42:33	300	46	3.0	#171f Local Un	2	
0092.COMP	10	4:39	23:41:19.6	27:42:33	300	46	3.0	#171f Local Un	2	
0093.fmb411	600	4:40	23:41:25.8	27:40:49	300	46	3.0	#171f Local Un	2	
0094.COMP	10	4:50	23:41:25.8	27:40:49	300	46	3.0	#171f Local Un	2	
0095.fmb412	660	4:51	23:41:40.5	27:38:26	300	46	3.0	#171f Local Un	2	
0096.COMP	10	5:03	23:41:40.5	27:38:26	300	46	3.0	#171f Local Un	2	
0097.fmb413	540	5:04	23:41:52.6	27:07:16	300	46	3.0	#171f Local Un	2	
0098.COMP	10	5:13	23:41:52.6	27:07:16	300	46	3.0	#171f Local Un	2	
0099.fmfa233	540	5:15	03:40:33.8	10:22:58	300	90	3.0	#171 Local Uni	2	
0100.COMP	10	5:24	03:40:33.8	10:22:58	300	90	3.0	#171 Local Uni	2	
0101.fmfa235	720	5:26	03:40:47.0	10:04:56	300	90	3.0	#171 Local Uni	2	
0102.COMP	10	5:38	03:40:47.0	10:04:56	300	90	3.0	#171 Local Uni	2	

UT Date 2006-12-17 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0103.fmfa236	900	5:39	03:40:49.9	10:15:58	300	90	3.0	#171 Local Uni	2	
0104.COMP	10	5:55	03:40:49.9	10:15:58	300	90	3.0	#171 Local Uni	2	
0105.fmfa237	900	5:56	03:41:06.8	15:31:35	300	90	3.0	#171 Local Uni	2	weak, H-alpha em at pix 2271
0106.COMP	10	6:11	03:41:06.8	15:31:35	300	90	3.0	#171 Local Uni	2	
0107.fmfa238	900	6:12	03:41:14.8	15:15:13	300	90	3.0	#171 Local Uni	2	
0108.COMP	10	6:27	03:41:14.8	15:15:13	300	90	3.0	#171 Local Uni	2	
0109.sn2006le	1800	6:31	05:00:41.9	62:15:19	300	90	3.0	#2 SN Observat	2	
0110.COMP	10	7:02	05:00:41.9	62:15:19	300	90	3.0	#2 SN Observat	2	
0111.fmfa239	720	7:03	03:41:28.8	14:32:11	300	90	3.0	#171 Local Uni	2	
0112.COMP	10	7:16	03:41:28.8	14:32:11	300	90	3.0	#171 Local Uni	2	
0113.fmfa161	1200	7:18	03:37:24.0	9:30:41	300	90	3.0	#171 Local Uni	2	weak, H-alpha em at pix 2283
0114.COMP	10	7:38	03:37:24.0	9:30:41	300	90	3.0	#171 Local Uni	2	
0115.03521792+4106549	900	7:40	03:52:17.9	+41:06:54	300	90	3.0	#141 Mapping t	2	
0116.COMP	10	7:56	03:52:17.9	+41:06:54	300	90	3.0	#141 Mapping t	2	
0117.03533378+4614056	600	7:58	03:53:33.7	+46:14:05	300	100	3.0	#141 Mapping t	2	
0118.COMP	10	8:08	03:53:33.7	+46:14:05	300	100	3.0	#141 Mapping t	2	
0119.03584103+3720474	1200	8:10	03:58:41.0	+37:20:47	300	90	3.0	#141 Mapping t	2	weak, H-alpha em at pix 2225
0120.COMP	10	8:31	03:58:41.0	+37:20:47	300	90	3.0	#141 Mapping t	2	
0121.04092878+3916303	900	8:32	04:09:28.7	+39:16:30	300	90	3.0	#141 Mapping t	2	
0122.COMP	10	8:47	04:09:28.7	+39:16:30	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-17 Observers P BerlindColl. Focus 1320 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>
0123.04094166+3837017	900	8:49	04:09:41.6	+38:37:01	300	90	3.0	#141 Mapping t	2	weak
0124.COMP	10	9:04	04:09:41.6	+38:37:01	300	90	3.0	#141 Mapping t	2	
0125.04055073+3043032	900	9:06	04:05:50.7	+30:43:03	300	80	3.0	#141 Mapping t	2	wham stopped by local fog
0126.COMP	10	9:21	04:05:50.7	+30:43:03	300	80	3.0	#141 Mapping t	2	
0127.BIAS	0	10:30	06:34:10.7	-07:22:47	300	90	3.0	#57 Velocity S	2	fog
0128-0136.BIAS	0	10:32	06:34:10.7	-07:22:47	300	90	3.0	#57 Velocity S	2	
0137-0151.FLAT	25	10:42	06:34:10.7	-07:22:47	300	90	3.0	#57 Velocity S	2	
0152-0161.DARK	900	13:18	06:34:10.7	-07:22:47	300	90	3.0	#57 Velocity S	2	

UT Date 2006-12-18 Observers P BerlindColl. Focus 1320 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>
0001-0005.DARK	900	23:50	06:34:10.7	-07:22:47	300	90	3.0	#57 Velocity S	2	
0006.BIAS	0	0:09	06:34:10.7	-07:22:47	300	90	3.0	#57 Velocity S	2	fog
0007-0015.BIAS	0	0:10	06:34:10.7	-07:22:47	300	90	3.0	#57 Velocity S	2	
0016-0030.FLAT	25	0:19	06:34:10.7	-07:22:47	300	90	3.0	#57 Velocity S	2	
0031-0040.DARK	900	2:39	06:34:10.7	-07:22:47	300	90	3.0	#57 Velocity S	2	

UT Date 2006-12-19 Observers P BerlindColl. Focus 1320 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.BIAS	0	0:37	06:34:10.7	-07:22:47	300	90	3.0	#57 Velocity S	2	more fog
0002-0010.BIAS	0	0:38	06:34:10.7	-07:22:47	300	90	3.0	#57 Velocity S	2	
0011-0025.FLAT	25	0:53	06:34:10.7	-07:22:47	300	90	3.0	#57 Velocity S	2	
0026-0035.DARK	900	3:22	06:34:10.7	-07:22:47	300	90	3.0	#57 Velocity S	2	

UT Date 2006-12-20 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	2:51	22:55:22.2	+31:27:29	300	90	3.0	#57 Velocity S	4	
0011-0020.BIAS	0	4:19	22:55:22.2	+31:27:29	300	90	3.0	#57 Velocity S	4	
0021-0030.FLAT	12	4:32	22:55:22.2	+31:27:29	300	90	3.0	#57 Velocity S	4	
0032.BIAS	0	5:38	22:55:22.2	+31:27:29	300	90	3.0	#57 Velocity S	2	there is no file 31
0033-0041.BIAS	0	5:39	22:55:22.2	+31:27:29	300	90	3.0	#57 Velocity S	2	
0042-0061.FLAT	25	5:53	22:55:22.2	+31:27:29	300	90	3.0	#57 Velocity S	2	
0062.Hiltner600	60	8:03	06:45:13.4	02:08:14	300	0	3.0	#56 Spectropho	2	
0063.COMP	12	8:04	06:45:13.4	02:08:14	300	0	3.0	#56 Spectropho	2	
0064.Hiltner600	60	8:05	06:45:13.4	02:08:14	300	0	3.0	#56 Spectropho	4	
0065.COMP	5	8:07	06:45:13.4	02:08:14	300	0	3.0	#56 Spectropho	4	
0066.sn20061e	1800	8:52	05:00:41.9	62:15:19	300	-30	3.0	#2 SN Observat	2	
0067.COMP	12	9:22	05:00:41.9	62:15:19	300	-30	3.0	#2 SN Observat	2	
0068.06412559+6311551	720	9:32	06:41:25.5	+63:11:55	300	90	3.0	#141 Mapping t	2	
0069.COMP	12	9:45	06:41:25.5	+63:11:55	300	90	3.0	#141 Mapping t	2	
0070.06414913+6312543	780	9:47	06:41:49.1	+63:12:54	300	90	3.0	#141 Mapping t	2	
0071.COMP	12	10:00	06:41:49.1	+63:12:54	300	90	3.0	#141 Mapping t	2	
0072.06421768+3934302	600	10:04	06:42:17.6	+39:34:30	300	90	3.0	#141 Mapping t	2	
0073.COMP	12	10:15	06:42:17.6	+39:34:30	300	90	3.0	#141 Mapping t	2	
0074.06422385+5310451	1020	10:20	06:42:23.8	+53:10:45	300	90	3.0	#141 Mapping t	2	
0075.COMP	12	10:37	06:42:23.8	+53:10:45	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-20 Observers M CalkinsColl. Focus 1320 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>
0076.06424530+5305061	720	10:38	06:42:45.3	+53:05:06	300	90	3.0	#141 Mapping t	2	
0077.COMP	12	10:51	06:42:45.3	+53:05:06	300	90	3.0	#141 Mapping t	2	
0078.08133461-1201068	720	11:00	08:13:34.6	-12:01:06	300	90	3.0	#141 Mapping t	2	
0079.COMP	12	11:12	08:13:34.6	-12:01:06	300	90	3.0	#141 Mapping t	2	
0080.08304084-1942424	600	11:14	08:30:40.8	-19:42:42	300	100	3.0	#141 Mapping t	2	
0081.COMP	12	11:25	08:30:40.8	-19:42:42	300	100	3.0	#141 Mapping t	2	
0082.08412024-1228241	600	11:30	08:41:20.2	-12:28:24	300	85	3.0	#141 Mapping t	2	
0083.COMP	12	11:41	08:41:20.2	-12:28:24	300	85	3.0	#141 Mapping t	2	
0084.08464853-1447528	600	11:43	08:46:48.5	-14:47:52	300	85	3.0	#141 Mapping t	2	
0085.COMP	12	11:54	08:46:48.5	-14:47:52	300	85	3.0	#141 Mapping t	2	
0086.08513188-2455308	900	11:56	08:51:31.8	-24:55:30	300	90	3.0	#141 Mapping t	2	
0087.COMP	12	12:11	08:51:31.8	-24:55:30	300	90	3.0	#141 Mapping t	2	
0088.sn2006lv	1800	12:17	11:32:03.3	+36:42:03	300	70	3.0	#2 SN Observat	2	
0089.COMP	12	12:47	11:32:03.3	+36:42:03	300	70	3.0	#2 SN Observat	2	
0090.Feige34	60	12:52	10:39:36.8	43:06:10	300	-30	3.0	#56 Spectropho	2	
0091.COMP	12	12:54	10:39:36.8	43:06:10	300	-30	3.0	#56 Spectropho	2	
0092.sn2006ss	1500	13:01	14:20:27.4	35:11:42	300	90	3.0	#56 Spectropho	2	
0093.COMP	12	13:27	14:20:27.4	35:11:42	300	90	3.0	#56 Spectropho	2	
0094-0103.BIAS	0	13:32	14:20:27.4	35:11:42	300	90	3.0	#57 Velocity S	4	
0104-0113.FLAT	12	13:37	14:20:27.4	35:11:42	300	90	3.0	#57 Velocity S	4	

UT Date 2006-12-20 Observers M CalkinsColl. Focus 1320 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>
0114-0123.BIAS	0	13:40	14:20:27.4	35:11:42	300	90	3.0	#57 Velocity S	2	
0124-0143.FLAT	25	13:52	14:20:27.4	35:11:42	300	90	3.0	#57 Velocity S	2	
0144-0153.DARK	900	16:12	14:20:27.4	35:11:42	300	90	3.0	#57 Velocity S	2	



UT Date 2006-12-21 Observers M CalkinsColl. Focus 1320 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>
0001-0007.DARK	900	0:56	14:20:27.4	35:11:42	300	90	3.0	#57 Velocity S	4	
0008-0017.BIAS	0	1:12	14:20:27.4	35:11:42	300	90	3.0	#57 Velocity S	4	
0018-0027.FLAT	12	1:16	14:20:27.4	35:11:42	300	90	3.0	#57 Velocity S	4	
0028-0037.BIAS	0	1:18	14:20:27.4	35:11:42	300	90	3.0	#57 Velocity S	2	
0038-0057.FLAT	25	1:31	14:20:27.4	35:11:42	300	90	3.0	#57 Velocity S	2	
0058.BDp284211	60	1:36	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0059.BDp284211	60	1:37	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0060.COMP	12	1:38	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0061.BDp174708	35	1:40	22:11:31.4	18:05:33	300	58	3.0	#56 Spectropho	2	
0062.BDp174708	35	1:41	22:11:31.4	18:05:33	300	58	3.0	#56 Spectropho	2	
0063.BDp174708	35	1:42	22:11:31.4	18:05:33	300	58	3.0	#56 Spectropho	2	
0064.COMP	12	1:43	22:11:31.4	18:05:33	300	58	3.0	#56 Spectropho	2	
0065.M31	60	1:44	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0066.COMP	12	1:47	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0067.M31	60	1:48	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	4	
0068.COMP	5	1:49	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	4	
0069.BDp284211	60	1:52	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	4	
0070.COMP	5	1:53	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	4	
0071.BDp174708	40	1:54	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	4	
0072.COMP	5	1:55	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	4	

UT Date 2006-12-21 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0073.cirsfastf001	1800	1:59	00:53:45.3	-00:55:48	300	0	3.0	#172 SDSS Clus	2	
0074.COMP	12	2:30	00:53:45.3	-00:55:48	300	0	3.0	#172 SDSS Clus	2	
0075.cirsfastf002	1200	2:32	00:54:42.3	0:38:03	300	90	3.0	#172 SDSS Clus	2	
0076.COMP	12	2:55	00:54:42.3	0:38:03	300	90	3.0	#172 SDSS Clus	2	
0077.cirsfastf003	1200	2:57	00:55:28.8	0:34:52	300	90	3.0	#172 SDSS Clus	2	
0078.COMP	12	3:18	00:55:28.8	0:34:52	300	90	3.0	#172 SDSS Clus	2	
0079.cirsfastf004	360	3:19	00:55:55.0	-1:14:48	300	90	3.0	#172 SDSS Clus	2	
0080.COMP	12	3:26	00:55:55.0	-1:14:48	300	90	3.0	#172 SDSS Clus	2	
0081.cirsfastf005	1320	3:28	00:56:04.1	0:15:39	300	90	3.0	#172 SDSS Clus	2	
0082.COMP	12	3:52	00:56:04.1	0:15:39	300	90	3.0	#172 SDSS Clus	2	
0083.cirsfastf006	960	3:54	00:56:11.4	0:41:36	300	90	3.0	#172 SDSS Clus	2	
0084.COMP	12	4:11	00:56:11.4	0:41:36	300	90	3.0	#172 SDSS Clus	2	
0085.cirsfastf007	1020	4:12	00:57:22.1	-00:25:43	300	90	3.0	#172 SDSS Clus	2	
0086.COMP	12	4:30	00:57:22.1	-00:25:43	300	90	3.0	#172 SDSS Clus	2	
0087.sn20061f	2100	4:36	04:38:29.4	44:02:01	300	63	3.0	#2 SN Observat	2	row=79
0088.COMP	12	5:12	04:38:29.4	44:02:01	300	63	3.0	#2 SN Observat	2	
0089.GITau	240	5:15	4:33:34	24:21:18	300	90	3.0	#12 Symbiotic	2	
0090.COMP	12	5:20	4:33:34	24:21:18	300	90	3.0	#12 Symbiotic	2	
0091.GITau	240	5:21	4:33:34.5	24:21:07	300	90	3.0	#12 Symbiotic	2	
0092.COMP	12	5:25	4:33:34.5	24:21:07	300	90	3.0	#12 Symbiotic	2	

UT Date 2006-12-21 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0093.BGGem	300	5:28	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0094.COMP	12	5:33	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0095.HD23650	30	5:38	03:49:34.9	+58:46:05	300	90	3.0	#173 Small Sol	2	300L, 3arcsec, tilt=750
0096.HD23650	30	5:39	03:49:34.9	+58:46:05	300	90	3.0	#173 Small Sol	2	
0097.COMP	12	5:40	03:49:34.9	+58:46:05	300	90	3.0	#173 Small Sol	2	
0098.4P_Red	420	5:43	2:33:26.8	2:33:08	300	90	3.0	#173 Small Sol	2	
0099.COMP	12	5:50	2:33:26.8	2:33:08	300	90	3.0	#173 Small Sol	2	
0100.2006WH1_Red	1200	5:54	2:37:59.6	-9:39:51	300	90	3.0	#173 Small Sol	2	
0101.COMP	12	6:14	2:37:59.6	-9:39:51	300	90	3.0	#173 Small Sol	2	
0102.2228_Red	600	6:16	4:29:40.8	18:56:57	300	90	3.0	#173 Small Sol	2	
0103.COMP	12	6:27	4:29:40.8	18:56:57	300	90	3.0	#173 Small Sol	2	
0104.2006UN216_Red	1200	6:32	5:41:29.1	28:09:28	300	90	3.0	#173 Small Sol	2	
0105.COMP	12	6:54	5:41:29.1	28:09:28	300	90	3.0	#173 Small Sol	2	
0106.G191-23	30	6:55	05:08:26.6	+55:25:12	300	90	3.0	#173 Small Sol	2	
0107.G191-23	30	6:56	05:08:26.6	+55:25:12	300	90	3.0	#173 Small Sol	2	
0108.G191-23	30	6:57	05:08:26.6	+55:25:12	300	90	3.0	#173 Small Sol	2	
0109.COMP	12	6:58	05:08:26.6	+55:25:12	300	90	3.0	#173 Small Sol	2	
0110.2264_Red	720	7:01	5:5:27.3	22:46:31	300	90	3.0	#173 Small Sol	2	
0111.COMP	12	7:14	5:5:27.3	22:46:31	300	90	3.0	#173 Small Sol	2	
0112.BD+441305	45	7:17	05:53:34.2	+44:32:39	300	90	3.0	#173 Small Sol	2	

UT Date 2006-12-21 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0113.BD+441305	45	7:18	05:53:34.2	+44:32:39	300	90	3.0	#173 Small Sol	2	
0114.COMP	12	7:20	05:53:34.2	+44:32:39	300	90	3.0	#173 Small Sol	2	
0115-0124.FLAT	25	7:27	05:53:34.2	+44:32:39	300	90	3.0	#173 Small Sol	2	
0125.COMP	5	7:30	05:53:34.2	+44:32:39	300	90	3.0	#173 Small Sol	4	test
0126.S111.2560P37.2310	60	7:36	07:25:01.4	+37:13:51	300	90	3.0	#129 CHAMP Sou	4	combo setup
0127.COMP	5	7:38	07:25:01.4	+37:13:51	300	90	3.0	#129 CHAMP Sou	4	
0128.S111.2560P37.2310	30	7:39	07:25:01.4	+37:13:51	300	90	3.0	#129 CHAMP Sou	2	
0129.COMP	12	7:40	07:25:01.4	+37:13:51	300	90	3.0	#129 CHAMP Sou	2	
0130.S111.3764P37.0243	40	7:41	07:25:30.3	+37:01:27	300	90	3.0	#129 CHAMP Sou	2	
0131.COMP	12	7:42	07:25:30.3	+37:01:27	300	90	3.0	#129 CHAMP Sou	2	
0132.S116.1410P39.5077	60	7:43	07:44:33.8	+39:30:27	300	90	3.0	#129 CHAMP Sou	2	
0133.COMP	12	7:45	07:44:33.8	+39:30:27	300	90	3.0	#129 CHAMP Sou	2	
0134.S116.1543P39.4176	2100	7:47	07:44:37.0	+39:25:03	300	90	3.0	#129 CHAMP Sou	2	
0135.COMP	12	8:23	07:44:37.0	+39:25:03	300	90	3.0	#129 CHAMP Sou	2	
0136.S116.1858P39.4921	150	8:24	07:44:44.6	+39:29:31	300	90	3.0	#129 CHAMP Sou	2	
0137.COMP	12	8:27	07:44:44.6	+39:29:31	300	90	3.0	#129 CHAMP Sou	2	
0138.S116.4264P39.5469	4	8:28	07:45:42.3	+39:32:48	300	90	3.0	#129 CHAMP Sou	2	
0139.COMP	12	8:29	07:45:42.3	+39:32:48	300	90	3.0	#129 CHAMP Sou	2	
0140.S116.7713P27.6682	360	8:30	07:47:05.1	+27:40:05	300	90	3.0	#129 CHAMP Sou	2	
0141.COMP	12	8:37	07:47:05.1	+27:40:05	300	90	3.0	#129 CHAMP Sou	2	

UT Date 2006-12-21 Observers M CalkinsColl. Focus 1320 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>
0142.S118.9581P40.9576	1800	8:38	07:55:49.9	+40:57:27	300	90	3.0	#129 CHAMP Sou	2	
0143.COMP	12	9:09	07:55:49.9	+40:57:27	300	90	3.0	#129 CHAMP Sou	2	
0144.BXMon	15	9:13	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0145.BXMon	180	9:14	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0146.COMP	12	9:18	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0147.IRAS0911-1006e	1500	9:20	9:13:38.3	-10:19:26	300	90	3.0	#113 Interacti	2	
0148.COMP	12	9:46	9:13:38.3	-10:19:26	300	90	3.0	#113 Interacti	2	
0149.IRAS0911-1006w	1500	9:50	9:13:38.3	-10:19:26	300	90	3.0	#113 Interacti	2	
0150.COMP	12	10:16	9:13:38.3	-10:19:26	300	90	3.0	#113 Interacti	2	
0151.NGC2854	900	10:18	9:24:01.6	49:12:14	300	90	3.0	#113 Interacti	2	
0152.COMP	12	10:34	9:24:01.6	49:12:14	300	90	3.0	#113 Interacti	2	
0153.NGC2856	900	10:35	9:24:17.7	49:14:46	300	90	3.0	#113 Interacti	2	
0154.COMP	12	10:51	9:24:17.7	49:14:46	300	90	3.0	#113 Interacti	2	
0155.NGC2993	720	10:54	9:45:47.5	-14:22:11	300	90	3.0	#113 Interacti	2	
0156.COMP	12	11:06	9:45:47.5	-14:22:11	300	90	3.0	#113 Interacti	2	
0157.sn2006jc	2100	11:12	09:17:20.7	+41:54:32	300	-30	3.0	#2 SN Observat	2	
0158.COMP	12	11:48	09:17:20.7	+41:54:32	300	-30	3.0	#2 SN Observat	2	
0159.IC2522	600	11:52	9:55:07.6	-33:08:17	300	90	3.0	#113 Interacti	2	
0160.COMP	12	12:03	9:55:07.6	-33:08:17	300	90	3.0	#113 Interacti	2	
0161.IC2523	720	12:04	9:55:09.4	-33:12:39	300	90	3.0	#113 Interacti	2	

UT Date 2006-12-21 Observers M CalkinsColl. Focus 1320 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	12	12:16	9:55:09.4	-33:12:39	300	90	3.0	#113 Interacti	2	
0163.IC563	900	12:18	9:46:20.1	3:02:33	300	90	3.0	#113 Interacti	2	
0164.COMP	12	12:34	9:46:20.1	3:02:33	300	90	3.0	#113 Interacti	2	
0165.sn2006ss	1800	12:39	14:20:27.4	35:11:42	300	99	3.0	#2 SN Observat	2	
0166.COMP	12	13:09	14:20:27.4	35:11:42	300	99	3.0	#2 SN Observat	2	
0167.Feige34	60	13:12	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0168.Feige34	60	13:13	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0169.COMP	12	13:14	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0170.MRK421	300	13:16	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0171.COMP	12	13:22	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0172-0181.BIAS	0	13:28	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	4	
0182-0191.FLAT	12	13:31	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	4	
0192-0201.BIAS	0	13:36	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	2	
0202-0221.FLAT	25	13:50	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	2	
0222-0231.DARK	900	16:10	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	2	

UT Date 2006-12-22 Observers M CalkinsColl. Focus 1320 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	900	1:08	22:14:15.0	+31:27:40	300	90	3.0	#129 CHAMP Sou	4	
0003-0012.BIAS	0	1:24	22:14:15.0	+31:27:40	300	90	3.0	#129 CHAMP Sou	4	
0013-0022.FLAT	12	1:30	22:14:15.0	+31:27:40	300	90	3.0	#129 CHAMP Sou	4	
0023-0032.BIAS	0	1:32	22:14:15.0	+31:27:40	300	90	3.0	#129 CHAMP Sou	2	
0033-0052.FLAT	25	1:45	22:14:15.0	+31:27:40	300	90	3.0	#129 CHAMP Sou	2	
0053.BDp284211	60	2:07	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	4	
0054.BDp284211	60	2:08	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	4	
0055.COMP	5	2:09	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	4	
0056.BDp284211	60	2:10	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	2	
0057.BDp284211	60	2:11	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	2	
0058.COMP	12	2:13	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	2	
0059.BDp174708	40	2:16	22:11:31.4	18:05:33	300	62	3.0	#56 Spectropho	2	
0060.BDp174708	40	2:17	22:11:31.4	18:05:33	300	62	3.0	#56 Spectropho	2	
0061.BDp174708	40	2:18	22:11:31.4	18:05:33	300	62	3.0	#56 Spectropho	2	
0062.COMP	12	2:28	22:11:31.4	18:05:33	300	62	3.0	#56 Spectropho	2	
0063.BDp174708	40	2:29	22:11:31.4	18:05:33	300	62	3.0	#56 Spectropho	4	
0064.BDp174708	40	2:30	22:11:31.4	18:05:33	300	62	3.0	#56 Spectropho	4	
0065.BDp174708	40	2:31	22:11:31.4	18:05:33	300	62	3.0	#56 Spectropho	4	
0066.COMP	5	2:32	22:11:31.4	18:05:33	300	62	3.0	#56 Spectropho	4	
0067.sn2006sr	1500	2:35	00:03:35.0	23:11:46	300	57	3.0	#2 SN Observat	2	

UT Date 2006-12-22 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.COMP	12	3:01	00:03:35.0	23:11:46	300	57	3.0	#2 SN Observat	2	
0069.cirsfastf008	1500	3:07	00:58:33.1	0:31:11	300	90	3.0	#172 SDSS Clus	2	
0070.COMP	12	3:33	00:58:33.1	0:31:11	300	90	3.0	#172 SDSS Clus	2	
0071.cirsfastf009	900	3:35	00:59:36.1	-00:05:22	300	90	3.0	#172 SDSS Clus	2	
0072.COMP	12	3:51	00:59:36.1	-00:05:22	300	90	3.0	#172 SDSS Clus	2	
0073.cirsfastf010	840	4:10	01:03:21.6	-00:28:49	300	100	3.0	#172 SDSS Clus	2	
0074.COMP	12	4:24	01:03:21.6	-00:28:49	300	100	3.0	#172 SDSS Clus	2	
0075.cirsfastf011	720	4:26	01:03:22.5	-00:27:42	300	90	3.0	#172 SDSS Clus	2	
0076.COMP	12	4:38	01:03:22.5	-00:27:42	300	90	3.0	#172 SDSS Clus	2	
0077.cirsfastf015	1080	4:39	01:10:36.2	-00:28:06	300	90	3.0	#172 SDSS Clus	2	
0078.COMP	12	4:59	01:10:36.2	-00:28:06	300	90	3.0	#172 SDSS Clus	2	
0079.cirsfastf016	1200	5:01	01:11:26.9	14:05:55	300	90	3.0	#172 SDSS Clus	2	
0080.COMP	12	5:22	01:11:26.9	14:05:55	300	90	3.0	#172 SDSS Clus	2	
0081.sn2006lf	1800	5:26	04:38:29.4	44:02:01	300	33	3.0	#2 SN Observat	2	row=79
0082.COMP	12	5:57	04:38:29.4	44:02:01	300	33	3.0	#2 SN Observat	2	
0083.sn2006le	1800	6:06	05:00:41.9	62:15:19	300	9	3.0	#2 SN Observat	2	row=81
0084.COMP	12	6:37	05:00:41.9	62:15:19	300	9	3.0	#2 SN Observat	2	
0085.02301824+7022273	840	6:56	02:30:18.2	+70:22:27	300	90	3.0	#141 Mapping t	2	
0086.COMP	12	7:11	02:30:18.2	+70:22:27	300	90	3.0	#141 Mapping t	2	
0087.03050588+5019240	960	7:12	03:05:05.8	+50:19:24	300	90	3.0	#141 Mapping t	2	



UT Date 2006-12-22 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.COMP	12	7:29	03:05:05.8	+50:19:24	300	90	3.0	#141 Mapping t	2	
0089.06040070+4655158	1500	8:11	06:04:00.7	+46:55:15	300	90	3.0	#141 Mapping t	2	clouds at start, clear at end
0090.COMP	12	8:37	06:04:00.7	+46:55:15	300	90	3.0	#141 Mapping t	2	
0091.06051823-1823539	720	8:45	06:05:18.2	-18:23:53	300	90	3.0	#141 Mapping t	2	
0092.COMP	12	8:58	06:05:18.2	-18:23:53	300	90	3.0	#141 Mapping t	2	
0093.IC564	900	9:03	9:46:20.8	3:04:06	300	62	3.0	#113 Interacti	2	
0094.COMP	12	9:19	9:46:20.8	3:04:06	300	62	3.0	#113 Interacti	2	
0095.bcand244	2100	9:28	9:19:58.6	20:40:21	600	90	2.0	#166 Hyper Vel	4	600L, 2arcsec, titl=440, thru clouds
0096.COMP	10	10:03	9:19:58.6	20:40:21	600	90	2.0	#166 Hyper Vel	4	
0097.bcand245	1800	10:07	10:15:36.5	26:16:29	600	90	2.0	#166 Hyper Vel	4	
0098.COMP	10	10:38	10:15:36.5	26:16:29	600	90	2.0	#166 Hyper Vel	4	
0099.bcand246	1500	10:43	10:16:13.3	24:00:08	600	90	2.0	#166 Hyper Vel	4	
0100.COMP	10	11:10	10:16:13.3	24:00:08	600	90	2.0	#166 Hyper Vel	4	
0101.bcand247	1800	11:13	10:26:52.7	62:44:06	600	20	2.0	#166 Hyper Vel	4	
0102.COMP	10	11:44	10:26:52.7	62:44:06	600	20	2.0	#166 Hyper Vel	4	
0103.Feige34	180	11:47	10:39:36.8	43:06:10	600	90	2.0	#166 Hyper Vel	4	
0104.COMP	10	11:51	10:39:36.8	43:06:10	600	90	2.0	#166 Hyper Vel	4	
0105.Feige34	600	11:52	10:39:36.8	43:06:10	600	90	2.0	#166 Hyper Vel	4	
0106.COMP	10	12:02	10:39:36.8	43:06:10	600	90	2.0	#166 Hyper Vel	4	
0107.FLAT	45	12:03	10:39:36.8	43:06:10	600	90	2.0	#166 Hyper Vel	4	clouds win

UT Date 2006-12-22 Observers M CalkinsColl. Focus 1320 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>
0108-0116.FLAT	45	12:11	10:39:36.8	43:06:10	600	90	2.0	#166 Hyper Vel	4	
0117.BIAS	0	12:38	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	4	combo setup
0118-0126.BIAS	0	12:39	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	4	
0127-0136.FLAT	12	12:43	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	4	
0137-0146.BIAS	0	12:46	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	2	
0147-0166.FLAT	25	12:58	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	2	
0167-0176.DARK	900	15:26	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	4	
0177-0186.DARK	900	17:59	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	2	

UT Date 2006-12-23 Observers M CalkinsColl. Focus 1320 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	1:43	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	4	
0011-0020.BIAS	0	2:13	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	4	
0021-0030.FLAT	12	5:05	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	4	
0031-0040.BIAS	0	5:15	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	2	
0041-0060.FLAT	25	5:32	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	2	

UT Date 2006-12-24 Observers P BerlindColl. Focus 1320 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.BIAS	0	0:04	22:35:36.4	+31:27:34	300	90	3.0	#166 Hyper Vel	2	
0011-0025.FLAT	25	0:14	22:35:36.4	+31:27:34	300	90	3.0	#166 Hyper Vel	2	
0026-0030.sky	3	0:38	23:25:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0031.COMP	10	0:39	23:25:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0032.HD210839	2	1:03	22:11:30	59:24:53	300	90	3.0	#99 Other	2	for Perry
0033.HD210839	1	1:04	22:11:30	59:24:53	300	90	3.0	#99 Other	2	
0034.HD210839	1	1:04	22:11:30	59:24:53	300	90	3.0	#99 Other	2	
0035.COMP	10	1:04	22:11:30	59:24:53	300	90	3.0	#99 Other	2	
0036.CXCep	10	1:06	22:09:33	57:44:31	300	90	3.0	#99 Other	2	
0037.CXCep	30	1:06	22:09:33	57:44:31	300	90	3.0	#99 Other	2	
0038.CXCep	30	1:10	22:09:33	57:44:31	300	90	3.0	#99 Other	2	
0039.COMP	10	1:11	22:09:33	57:44:31	300	90	3.0	#99 Other	2	
0040.BDp284211	90	1:13	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0041.BDp284211	90	1:16	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0042.COMP	10	1:18	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0043.Akn564	210	1:19	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0044.Akn564	210	1:22	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0045.COMP	10	1:26	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0046.N7331	142	1:27	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0047.COMP	10	1:30	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	

UT Date 2006-12-24 Observers P BerlindColl. Focus 1320 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.N7469	150	1:31	23:03:15.7	+08:52:27	300	36	3.0	#6 AGN Monitor	2	
0049.N7469	150	1:34	23:03:15.7	+08:52:27	300	36	3.0	#6 AGN Monitor	2	
0050.COMP	10	1:37	23:03:15.7	+08:52:27	300	36	3.0	#6 AGN Monitor	2	
0051.RAqr	1	1:38	23:43:49	-15:17:05	300	12	3.0	#12 Symbiotic	2	
0052.RAqr	1	1:38	23:43:49	-15:17:05	300	12	3.0	#12 Symbiotic	2	
0053.RAqr	2	1:39	23:43:49	-15:17:05	300	12	3.0	#12 Symbiotic	2	
0054.RAqr	2	1:40	23:43:49	-15:17:05	300	12	3.0	#12 Symbiotic	2	
0055.COMP	10	1:40	23:43:49	-15:17:05	300	12	3.0	#12 Symbiotic	2	
0056.MRK335	180	1:42	00:06:19.6	+20:12:11	300	23	3.0	#6 AGN Monitor	2	
0057.MRK335	180	1:45	00:06:19.6	+20:12:11	300	23	3.0	#6 AGN Monitor	2	
0058.COMP	10	1:48	00:06:19.6	+20:12:11	300	23	3.0	#6 AGN Monitor	2	
0059.sn2006sr	1500	1:52	00:03:35.0	23:11:46	300	48	3.0	#2 SN Observat	2	
0060.COMP	10	2:18	00:03:35.0	23:11:46	300	48	3.0	#2 SN Observat	2	
0061.fmb414	420	2:19	23:41:59.5	26:48:37	300	90	3.0	#171f Local Un	2	
0062.COMP	10	2:27	23:41:59.5	26:48:37	300	90	3.0	#171f Local Un	2	
0063.fmb415	420	2:27	23:42:13.6	26:55:54	300	90	3.0	#171f Local Un	2	
0064.COMP	10	2:35	23:42:13.6	26:55:54	300	90	3.0	#171f Local Un	2	
0065.fmb416	600	2:35	23:42:24.9	27:17:53	300	90	3.0	#171f Local Un	2	
0066.COMP	10	2:46	23:42:24.9	27:17:53	300	90	3.0	#171f Local Un	2	
0067.fmb417	900	2:47	23:44:57.2	9:12:10	300	90	3.0	#171f Local Un	2	

UT Date 2006-12-24 Observers P BerlindColl. Focus 1320 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	10	3:03	23:44:57.2	9:12:10	300	90	3.0	#171f Local Un	2	
0069.fmf418	360	3:03	23:45:12.3	9:16:45	300	90	3.0	#171f Local Un	2	
0070.COMP	10	3:10	23:45:12.3	9:16:45	300	90	3.0	#171f Local Un	2	
0071.fmf420	300	3:11	23:49:11.9	6:12:58	300	90	3.0	#171f Local Un	2	
0072.COMP	10	3:16	23:49:11.9	6:12:58	300	90	3.0	#171f Local Un	2	
0073.fmf428	240	3:17	23:49:37.6	6:25:10	300	90	3.0	#171f Local Un	2	
0074.COMP	10	3:22	23:49:37.6	6:25:10	300	90	3.0	#171f Local Un	2	
0075.fmf425	480	3:22	23:49:34.4	5:43:03	300	90	3.0	#171f Local Un	2	
0076.COMP	10	3:31	23:49:34.4	5:43:03	300	90	3.0	#171f Local Un	2	
0077.fmf431	150	3:32	23:49:52.0	6:26:27	300	90	3.0	#171f Local Un	2	
0078.COMP	10	3:34	23:49:52.0	6:26:27	300	90	3.0	#171f Local Un	2	
0079.fmf433	240	3:35	23:49:53.3	6:24:31	300	90	3.0	#171f Local Un	2	
0080.COMP	10	3:39	23:49:53.3	6:24:31	300	90	3.0	#171f Local Un	2	
0081.fmf438	180	3:40	23:50:13.5	6:10:57	300	90	3.0	#171f Local Un	2	
0082.COMP	10	3:43	23:50:13.5	6:10:57	300	90	3.0	#171f Local Un	2	
0083.fmf439	240	3:44	23:50:16.9	6:06:23	300	90	3.0	#171f Local Un	2	
0084.COMP	10	3:48	23:50:16.9	6:06:23	300	90	3.0	#171f Local Un	2	
0085.fmf465	210	3:49	23:51:41.1	6:27:00	300	90	3.0	#171f Local Un	2	
0086.COMP	10	3:53	23:51:41.1	6:27:00	300	90	3.0	#171f Local Un	2	
0087.fmf468	240	3:54	23:51:46.3	6:02:23	300	97	3.0	#171f Local Un	2	

UT Date 2006-12-24 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.COMP	10	3:59	23:51:46.3	6:02:23	300	97	3.0	#171f Local Un	2	
0089.fmf0477	300	3:59	23:52:23.1	6:14:08	300	97	3.0	#171f Local Un	2	
0090.COMP	10	4:05	23:52:23.1	6:14:08	300	97	3.0	#171f Local Un	2	
0091.fmf005	660	4:07	01:14:11.5	0:09:50	300	22	3.0	#171f Local Un	2	
0092.COMP	10	4:19	01:14:11.5	0:09:50	300	22	3.0	#171f Local Un	2	
0093.fmf006	240	4:20	01:15:12.9	0:20:32	300	22	3.0	#171f Local Un	2	
0094.COMP	10	4:24	01:15:12.9	0:20:32	300	22	3.0	#171f Local Un	2	
0095.fmf007	240	4:26	01:17:03.6	0:00:27	300	90	3.0	#171f Local Un	2	agn
0096.COMP	10	4:30	01:17:03.6	0:00:27	300	90	3.0	#171f Local Un	2	
0097.fmf008	720	4:31	01:21:51.1	3:00:00	300	90	3.0	#171f Local Un	2	
0098.COMP	10	4:43	01:21:51.1	3:00:00	300	90	3.0	#171f Local Un	2	
0099.fmf009	300	4:44	01:23:23.7	1:39:03	300	90	3.0	#171f Local Un	2	weak em
0100.COMP	10	4:49	01:23:23.7	1:39:03	300	90	3.0	#171f Local Un	2	
0101.fmf019	150	4:50	01:27:07.5	2:15:48	300	90	3.0	#171f Local Un	2	centered on nucleus
0102.COMP	10	4:53	01:27:07.5	2:15:48	300	90	3.0	#171f Local Un	2	
0103.fmf020	720	4:54	01:28:25.1	3:04:13	300	90	3.0	#171f Local Un	2	
0104.COMP	10	5:06	01:28:25.1	3:04:13	300	90	3.0	#171f Local Un	2	
0105.fmf021	330	5:07	01:30:38.0	2:02:28	300	90	3.0	#171f Local Un	2	
0106.COMP	10	5:13	01:30:38.0	2:02:28	300	90	3.0	#171f Local Un	2	
0107.fmf022	300	5:14	01:30:59.8	2:30:41	300	90	3.0	#171f Local Un	2	

UT Date 2006-12-24 Observers P BerlindColl. Focus 1320 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>
0108.COMP	10	5:19	01:30:59.8	2:30:41	300	90	3.0	#171f Local Un	2	
0109.HD16691	2	5:22	02:42:50	56:53:21	300	90	3.0	#99 Other	2	for Perry
0110.HD16691	5	5:22	02:42:50	56:53:21	300	90	3.0	#99 Other	2	
0111.COMP	10	5:22	02:42:50	56:53:21	300	90	3.0	#99 Other	2	
0112.HIP12469	5	5:23	02:40:31.6	+61:13:45	300	90	3.0	#99 Other	2	
0113.HIP12469	60	5:23	02:40:31.6	+61:13:45	300	90	3.0	#99 Other	2	
0114.COMP	10	5:25	02:40:31.6	+61:13:45	300	90	3.0	#99 Other	2	
0115.HD15570	2	5:26	02:32:48	61:22:42	300	90	3.0	#99 Other	2	
0116.HD15570	5	5:26	02:32:48	61:22:42	300	90	3.0	#99 Other	2	
0117.COMP	10	5:26	02:32:48	61:22:42	300	90	3.0	#99 Other	2	
0118.01483872+7113102	728	5:28	01:48:38.7	+71:13:10	300	90	3.0	#141 Mapping t	2	
0119.COMP	10	5:40	01:48:38.7	+71:13:10	300	90	3.0	#141 Mapping t	2	
0120.01312700+6951204	900	5:42	01:31:27.0	+69:51:20	300	90	3.0	#141 Mapping t	2	
0121.COMP	10	5:57	01:31:27.0	+69:51:20	300	90	3.0	#141 Mapping t	2	
0122.03060401+6516387	900	5:58	03:06:04.0	+65:16:38	300	90	3.0	#141 Mapping t	2	
0123.COMP	10	6:14	03:06:04.0	+65:16:38	300	90	3.0	#141 Mapping t	2	
0124.03122342+6759575	900	6:15	03:12:23.4	+67:59:57	300	90	3.0	#141 Mapping t	2	
0125.COMP	10	6:30	03:12:23.4	+67:59:57	300	90	3.0	#141 Mapping t	2	
0126.03133309+5141228	900	6:32	03:13:33.0	+51:41:22	300	90	3.0	#141 Mapping t	2	
0127.COMP	10	6:47	03:13:33.0	+51:41:22	300	90	3.0	#141 Mapping t	2	



UT Date 2006-12-24 Observers P BerlindColl. Focus 1320 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>
0128.03135799+4921101	900	6:48	03:13:57.9	+49:21:10	300	90	3.0	#141 Mapping t	2	
0129.COMP	10	7:03	03:13:57.9	+49:21:10	300	90	3.0	#141 Mapping t	2	
0130.03464902+4524439	1200	7:06	03:46:49.0	+45:24:43	300	90	3.0	#141 Mapping t	2	
0131.COMP	10	7:27	03:46:49.0	+45:24:43	300	90	3.0	#141 Mapping t	2	
0132.03514505+4643139	1200	7:28	03:51:45.0	+46:43:13	300	90	3.0	#141 Mapping t	2	
0133.COMP	10	7:49	03:51:45.0	+46:43:13	300	90	3.0	#141 Mapping t	2	thin clouds moving through
0134.03474284+3259027	1200	7:51	03:47:42.8	+32:59:02	300	90	3.0	#141 Mapping t	2	
0135.COMP	10	8:11	03:47:42.8	+32:59:02	300	90	3.0	#141 Mapping t	2	
0136.06324068-1031218	600	8:18	06:32:40.6	-10:31:21	300	90	3.0	#141 Mapping t	2	target at row 79 in the center
0137.COMP	10	8:28	06:32:40.6	-10:31:21	300	90	3.0	#141 Mapping t	2	
0138.06341073-0722472	720	8:29	06:34:10.7	-07:22:47	300	90	3.0	#141 Mapping t	2	
0139.COMP	10	8:42	06:34:10.7	-07:22:47	300	90	3.0	#141 Mapping t	2	
0140.06401291-0802132	900	8:43	06:40:12.9	-08:02:13	300	90	3.0	#141 Mapping t	2	
0141.COMP	10	8:59	06:40:12.9	-08:02:13	300	90	3.0	#141 Mapping t	2	
0142.06484112-1847070	900	9:01	06:48:41.1	-18:47:07	300	90	3.0	#141 Mapping t	2	
0143.COMP	10	9:16	06:48:41.1	-18:47:07	300	90	3.0	#141 Mapping t	2	
0144.07103229-2100327	1157	9:17	07:10:32.2	-21:00:32	300	90	3.0	#141 Mapping t	2	em
0145.COMP	10	9:37	07:10:32.2	-21:00:32	300	90	3.0	#141 Mapping t	2	
0146.07154058+4249209	420	9:42	07:15:40.5	+42:49:20	300	90	3.0	#141 Mapping t	2	
0147.COMP	10	9:49	07:15:40.5	+42:49:20	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-24 Observers P BerlindColl. Focus 1320 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>
0148.07222304+3751075	270	9:50	07:22:23.0	+37:51:07	300	90	3.0	#141 Mapping t	2	
0149.COMP	10	9:55	07:22:23.0	+37:51:07	300	90	3.0	#141 Mapping t	2	
0150.07150647+4510446	360	9:56	07:15:06.4	+45:10:44	300	90	3.0	#141 Mapping t	2	
0151.COMP	10	10:02	07:15:06.4	+45:10:44	300	90	3.0	#141 Mapping t	2	
0152.07143561+4644188	600	10:03	07:14:35.6	+46:44:18	300	90	3.0	#141 Mapping t	2	
0153.COMP	10	10:13	07:14:35.6	+46:44:18	300	90	3.0	#141 Mapping t	2	
0154.07133489+4203516	900	10:14	07:13:34.8	+42:03:51	300	90	3.0	#141 Mapping t	2	
0155.COMP	10	10:30	07:13:34.8	+42:03:51	300	90	3.0	#141 Mapping t	2	
0156.07142464+4054239	720	10:31	07:14:24.6	+40:54:23	300	90	3.0	#141 Mapping t	2	
0157.COMP	10	10:43	07:14:24.6	+40:54:23	300	90	3.0	#141 Mapping t	2	
0158.07183696+6115238	360	10:45	07:18:36.9	+61:15:23	300	90	3.0	#141 Mapping t	2	
0159.COMP	10	10:51	07:18:36.9	+61:15:23	300	90	3.0	#141 Mapping t	2	
0160.07223480+5632293	300	10:52	07:22:34.8	+56:32:29	300	90	3.0	#141 Mapping t	2	
0161.COMP	10	10:57	07:22:34.8	+56:32:29	300	90	3.0	#141 Mapping t	2	
0162.07225960+4854166	240	11:01	07:22:59.6	+48:54:16	300	90	3.0	#141 Mapping t	2	
0163.COMP	10	11:05	07:22:59.6	+48:54:16	300	90	3.0	#141 Mapping t	2	
0164.07240745+4731354	240	11:06	07:24:07.4	+47:31:35	300	90	3.0	#141 Mapping t	2	
0165.COMP	10	11:10	07:24:07.4	+47:31:35	300	90	3.0	#141 Mapping t	2	
0166.07244230+4852473	270	11:11	07:24:42.3	+48:52:47	300	90	3.0	#141 Mapping t	2	
0167.COMP	10	11:16	07:24:42.3	+48:52:47	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-24 Observers P BerlindColl. Focus 1320 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>
0168.07281278+3448264	480	11:17	07:28:12.7	+34:48:26	300	90	3.0	#141 Mapping t	2	
0169.COMP	10	11:25	07:28:12.7	+34:48:26	300	90	3.0	#141 Mapping t	2	
0170.07244679+2016496	240	11:26	07:24:46.7	+20:16:49	300	90	3.0	#141 Mapping t	2	
0171.COMP	10	11:31	07:24:46.7	+20:16:49	300	90	3.0	#141 Mapping t	2	
0172.07284221+1820494	240	11:31	07:28:42.2	+18:20:49	300	90	3.0	#141 Mapping t	2	
0173.COMP	10	11:36	07:28:42.2	+18:20:49	300	90	3.0	#141 Mapping t	2	
0174.07261312+1844348	210	11:37	07:26:13.1	+18:44:34	300	90	3.0	#141 Mapping t	2	
0175.COMP	10	11:41	07:26:13.1	+18:44:34	300	90	3.0	#141 Mapping t	2	
0176.HD84937	15	11:43	09:48:54.8	13:45:13	300	27	3.0	#56 Spectropho	2	
0177.HD84937	15	11:44	09:48:54.8	13:45:13	300	27	3.0	#56 Spectropho	2	
0178.HD84937	15	11:44	09:48:54.8	13:45:13	300	27	3.0	#56 Spectropho	2	
0179.COMP	10	11:45	09:48:54.8	13:45:13	300	27	3.0	#56 Spectropho	2	
0180.Feige34	120	11:46	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0181.Feige34	120	11:48	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0182.COMP	10	11:51	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0183.N3227	150	11:52	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0184.N3227	150	11:55	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0185.COMP	10	11:58	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0186.MRK421	240	11:59	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0187.MRK421	240	12:03	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	

UT Date 2006-12-24 Observers P BerlindColl. Focus 1320 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>
0188.COMP	10	12:07	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0189.N4051	150	12:08	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0190.N4051	150	12:11	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0191.COMP	10	12:14	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0192.N4151	30	12:14	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0193.N4151	30	12:15	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0194.N4151	30	12:16	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0195.COMP	10	12:17	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0196.M87	150	12:18	12:30:49.4	+12:23:28	300	90	3.0	#6 AGN Monitor	2	
0197.M87	150	12:21	12:30:49.4	+12:23:28	300	90	3.0	#6 AGN Monitor	2	
0198.COMP	10	12:24	12:30:49.4	+12:23:28	300	90	3.0	#6 AGN Monitor	2	
0199.sn2006su	1800	12:26	12:46:56.8	+36:32:01	300	90	3.0	#2 SN Observat	2	
0200.COMP	10	12:57	12:46:56.8	+36:32:01	300	90	3.0	#2 SN Observat	2	
0201.11125076-1219212	300	12:58	11:12:50.7	-12:19:21	300	90	3.0	#141 Mapping t	2	
0202.COMP	10	13:04	11:12:50.7	-12:19:21	300	90	3.0	#141 Mapping t	2	
0203.11301819-1127131	240	13:04	11:30:18.1	-11:27:13	300	90	3.0	#141 Mapping t	2	
0204.COMP	10	13:09	11:30:18.1	-11:27:13	300	90	3.0	#141 Mapping t	2	
0205.11593914-1223383	240	13:10	11:59:39.1	-12:23:38	300	90	3.0	#141 Mapping t	2	
0206.COMP	10	13:14	11:59:39.1	-12:23:38	300	90	3.0	#141 Mapping t	2	
0207.12143305-2236262	270	13:15	12:14:33.0	-22:36:26	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-24 Observers P BerlindColl. Focus 1320 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>
0208.COMP	10	13:20	12:14:33.0	-22:36:26	300	90	3.0	#141 Mapping t	2	
0209.N5548	180	13:22	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0210.N5548	180	13:25	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0211.COMP	10	13:28	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0212-0221.BIAS	0	13:32	14:17:59.6	+25:08:12	300	90	3.0	#99 Other	2	
0222-0236.FLAT	25	13:41	14:17:59.6	+25:08:12	300	90	3.0	#99 Other	2	
0237-0246.DARK	900	16:09	14:17:59.6	+25:08:12	300	90	3.0	#99 Other	2	

UT Date 2006-12-25 Observers P BerlindColl. Focus 1320 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>
0001-0005.DARK	900	22:50	14:17:59.6	+25:08:12	300	90	3.0	#99 Other	2	
0006-0015.BIAS	0	23:36	23:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0016-0030.FLAT	25	23:45	23:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0031-0035.sky	3	0:39	23:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0036.COMP	10	0:39	23:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	strong wind out of the north
0037.ZAnd	1	1:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0038.ZAnd	2	1:05	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0039.ZAnd	30	1:05	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0040.COMP	10	1:06	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0041.EGAnd	2	1:08	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0042.EGAnd	5	1:08	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0043.EGAnd	10	1:09	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0044.COMP	10	1:10	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0045.AXPer	10	1:11	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0046.AXPer	5	1:12	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0047.AXPer	60	1:12	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0048.AXPer	60	1:13	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0049.COMP	10	1:15	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0050.N7331	120	1:17	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0051.COMP	10	1:19	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	

UT Date 2006-12-25 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.BDp284211	90	1:21	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0053.BDp284211	90	1:23	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0054.COMP	10	1:24	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0055.IPHASJ0033+61	60	1:26	00:33:27.3	+61:23:37	300	90	3.0	#157 IPHAS	2	
0056.COMP	10	1:28	00:33:27.3	+61:23:37	300	90	3.0	#157 IPHAS	2	
0057.20555082+7435331	1800	1:30	20:55:50.8	+74:35:33	300	90	3.0	#141 Mapping t	2	
0058.COMP	10	2:01	20:55:50.8	+74:35:33	300	90	3.0	#141 Mapping t	2	
0059.21370021+4421044	900	2:03	21:37:00.2	+44:21:04	300	90	3.0	#141 Mapping t	2	
0060.COMP	10	2:18	21:37:00.2	+44:21:04	300	90	3.0	#141 Mapping t	2	
0061.21303379+4202470	1200	2:20	21:30:33.7	+42:02:47	300	100	3.0	#141 Mapping t	2	
0062.COMP	10	2:40	21:30:33.7	+42:02:47	300	100	3.0	#141 Mapping t	2	
0063.sn2006sr	1500	2:43	00:03:35.0	23:11:46	300	64	3.0	#2 SN Observat	2	
0064.COMP	10	3:09	00:03:35.0	23:11:46	300	64	3.0	#2 SN Observat	2	
0065.23303771+7122464	720	3:11	23:30:37.7	+71:22:46	300	90	3.0	#141 Mapping t	2	
0066.COMP	10	3:24	23:30:37.7	+71:22:46	300	90	3.0	#141 Mapping t	2	
0067.23335137+7151007	720	3:25	23:33:51.3	+71:51:00	300	90	3.0	#141 Mapping t	2	poor seeing
0068.COMP	10	3:37	23:33:51.3	+71:51:00	300	90	3.0	#141 Mapping t	2	
0069.00433531+5507576	1200	3:39	00:43:35.3	+55:07:57	300	90	3.0	#141 Mapping t	2	
0070.COMP	10	3:59	00:43:35.3	+55:07:57	300	90	3.0	#141 Mapping t	2	
0071.test	0	4:06	00:48:11.4	+69:27:10	300	45	3.0	#141 Mapping t	2	

UT Date 2006-12-25 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.test	0	4:06	00:48:11.4	+69:27:10	300	45	3.0	#141 Mapping t	2	
0073.00481140+6927103	1200	4:07	00:48:11.4	+69:27:10	300	45	3.0	#141 Mapping t	2	
0074.COMP	10	4:28	00:48:11.4	+69:27:10	300	45	3.0	#141 Mapping t	2	
0075.00520075+6821243	900	4:31	00:52:00.7	+68:21:24	300	90	3.0	#141 Mapping t	2	hmmm
0076.COMP	10	4:46	00:52:00.7	+68:21:24	300	90	3.0	#141 Mapping t	2	
0077.fmfa255	1200	4:50	04:12:37.3	2:21:11	300	45	3.0	#171 Local Uni	2	
0078.COMP	10	5:11	04:12:37.3	2:21:11	300	45	3.0	#171 Local Uni	2	
0079.fmfa285	900	5:14	04:16:36.2	0:44:02	300	90	3.0	#171 Local Uni	2	
0080.COMP	10	5:30	04:16:36.2	0:44:02	300	90	3.0	#171 Local Uni	2	
0081.fmfa286	900	5:30	04:16:38.2	0:50:35	300	90	3.0	#171 Local Uni	2	
0082.COMP	10	5:46	04:16:38.2	0:50:35	300	90	3.0	#171 Local Uni	2	
0083.fmfa287	420	5:50	04:16:39.5	3:47:00	300	90	3.0	#171 Local Uni	2	
0084.COMP	10	5:57	04:16:39.5	3:47:00	300	90	3.0	#171 Local Uni	2	
0085.fmfa288	900	5:58	04:16:41.4	1:10:59	300	90	3.0	#171 Local Uni	2	
0086.COMP	10	6:14	04:16:41.4	1:10:59	300	90	3.0	#171 Local Uni	2	
0087.fmfa289	600	6:15	04:16:43.0	1:00:28	300	80	3.0	#171 Local Uni	2	
0088.COMP	10	6:25	04:16:43.0	1:00:28	300	80	3.0	#171 Local Uni	2	
0089.Akn120	360	6:26	05:13:38.0	-00:12:15	300	80	3.0	#6 AGN Monitor	2	
0090.COMP	10	6:33	05:13:38.0	-00:12:15	300	80	3.0	#6 AGN Monitor	2	
0091.fmfa292	240	6:34	04:16:51.2	2:34:19	300	90	3.0	#171 Local Uni	2	



UT Date 2006-12-25 Observers P BerlindColl. Focus 1320 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>
0092.COMP	10	6:39	04:16:51.2	2:34:19	300	90	3.0	#171 Local Uni	2	
0093.fmfa301	300	6:40	04:18:20.6	2:29:24	300	90	3.0	#171 Local Uni	2	
0094.COMP	10	6:45	04:18:20.6	2:29:24	300	90	3.0	#171 Local Uni	2	
0095.fmfa302	600	6:46	04:18:23.0	1:55:54	300	90	3.0	#171 Local Uni	2	
0096.COMP	10	6:56	04:18:23.0	1:55:54	300	90	3.0	#171 Local Uni	2	
0097.fmfa303	360	6:57	04:18:49.3	2:21:27	300	90	3.0	#171 Local Uni	2	
0098.COMP	10	7:03	04:18:49.3	2:21:27	300	90	3.0	#171 Local Uni	2	
0099.fmfa304	900	7:04	04:19:02.0	3:24:35	300	90	3.0	#171 Local Uni	2	
0100.COMP	10	7:20	04:19:02.0	3:24:35	300	90	3.0	#171 Local Uni	2	
0101.fmfa305	900	7:20	04:19:06.6	3:46:33	300	90	3.0	#171 Local Uni	2	
0102.COMP	10	7:37	04:19:06.6	3:46:33	300	90	3.0	#171 Local Uni	2	
0103.fmfa306	600	7:38	04:19:22.1	3:20:36	300	90	3.0	#171 Local Uni	2	
0104.COMP	10	7:48	04:19:22.1	3:20:36	300	90	3.0	#171 Local Uni	2	
0105.fmfa307	900	7:49	04:19:25.4	3:30:27	300	90	3.0	#171 Local Uni	2	
0106.COMP	10	8:05	04:19:25.4	3:30:27	300	90	3.0	#171 Local Uni	2	
0107.fmfa308	900	8:06	04:19:37.8	3:23:08	300	90	3.0	#171 Local Uni	2	
0108.COMP	10	8:21	04:19:37.8	3:23:08	300	90	3.0	#171 Local Uni	2	
0109.04411315+3406182	900	8:23	04:41:13.1	+34:06:18	300	90	3.0	#141 Mapping t	2	
0110.COMP	10	8:38	04:41:13.1	+34:06:18	300	90	3.0	#141 Mapping t	2	
0111.04500735+3026448	900	8:39	04:50:07.3	+30:26:44	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-25 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0112.COMP	10	8:55	04:50:07.3	+30:26:44	300	90	3.0	#141 Mapping t	2	
0113.04482831+2948287	1097	8:57	04:48:28.3	+29:48:28	300	90	3.0	#141 Mapping t	2	
0114.COMP	10	9:16	04:48:28.3	+29:48:28	300	90	3.0	#141 Mapping t	2	
0115.06081068+3257528	900	9:17	06:08:10.6	+32:57:52	300	90	3.0	#141 Mapping t	2	
0116.COMP	10	9:33	06:08:10.6	+32:57:52	300	90	3.0	#141 Mapping t	2	
0117.05514398+3834226	900	9:34	05:51:43.9	+38:34:22	300	90	3.0	#141 Mapping t	2	
0118.COMP	10	9:49	05:51:43.9	+38:34:22	300	90	3.0	#141 Mapping t	2	
0119.06440423+2655318	511	9:50	06:44:04.2	+26:55:31	300	90	3.0	#141 Mapping t	2	
0120.COMP	10	9:59	06:44:04.2	+26:55:31	300	90	3.0	#141 Mapping t	2	
0121.06434223+3110494	300	10:00	06:43:42.2	+31:10:49	300	90	3.0	#141 Mapping t	2	
0122.COMP	10	10:05	06:43:42.2	+31:10:49	300	90	3.0	#141 Mapping t	2	
0123.06444450+3319446	240	10:06	06:44:44.5	+33:19:44	300	90	3.0	#141 Mapping t	2	
0124.COMP	10	10:11	06:44:44.5	+33:19:44	300	90	3.0	#141 Mapping t	2	
0125.06441088+3546450	270	10:11	06:44:10.8	+35:46:45	300	90	3.0	#141 Mapping t	2	agn
0126.COMP	10	10:16	06:44:10.8	+35:46:45	300	90	3.0	#141 Mapping t	2	
0127.06442096+4344160	300	10:18	06:44:20.9	+43:44:16	300	90	3.0	#141 Mapping t	2	
0128.COMP	10	10:23	06:44:20.9	+43:44:16	300	90	3.0	#141 Mapping t	2	
0129.06451912+5056130	480	10:24	06:45:19.1	+50:56:13	300	90	3.0	#141 Mapping t	2	
0130.COMP	10	10:33	06:45:19.1	+50:56:13	300	90	3.0	#141 Mapping t	2	
0131.06452416+5138590	240	10:34	06:45:24.1	+51:38:59	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-25 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0132.COMP	10	10:38	06:45:24.1	+51:38:59	300	90	3.0	#141 Mapping t	2	
0133.06444801+5735490	300	10:39	06:44:48.0	+57:35:49	300	90	3.0	#141 Mapping t	2	
0134.COMP	10	10:44	06:44:48.0	+57:35:49	300	90	3.0	#141 Mapping t	2	
0135.06425859+6255040	270	10:45	06:42:58.5	+62:55:04	300	90	3.0	#141 Mapping t	2	
0136.COMP	10	10:50	06:42:58.5	+62:55:04	300	90	3.0	#141 Mapping t	2	
0137.06432222+6338550	240	10:51	06:43:22.2	+63:38:55	300	90	3.0	#141 Mapping t	2	
0138.COMP	10	10:55	06:43:22.2	+63:38:55	300	90	3.0	#141 Mapping t	2	
0139.HD84937	15	10:58	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0140.HD84937	15	10:58	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0141.HD84937	15	10:59	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0142.COMP	10	10:59	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0143.09124528-2057325	300	11:01	09:12:45.2	-20:57:32	300	90	3.0	#141 Mapping t	2	
0144.COMP	10	11:07	09:12:45.2	-20:57:32	300	90	3.0	#141 Mapping t	2	
0145.09421132-1136270	240	11:08	09:42:11.3	-11:36:27	300	90	3.0	#141 Mapping t	2	
0146.COMP	10	11:12	09:42:11.3	-11:36:27	300	90	3.0	#141 Mapping t	2	
0147.09385605-1747569	360	11:13	09:38:56.0	-17:47:56	300	90	3.0	#141 Mapping t	2	
0148.COMP	10	11:19	09:38:56.0	-17:47:56	300	90	3.0	#141 Mapping t	2	
0149.09581354-2132136	240	11:20	09:58:13.5	-21:32:13	300	90	3.0	#141 Mapping t	2	
0150.COMP	10	11:25	09:58:13.5	-21:32:13	300	90	3.0	#141 Mapping t	2	
0151.10020123-1516543	330	11:27	10:02:01.2	-15:16:54	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-25 Observers P BerlindColl. Focus 1320 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>
0152.COMP	10	11:33	10:02:01.2	-15:16:54	300	90	3.0	#141 Mapping t	2	
0153.Feige34	120	11:36	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0154.Feige34	120	11:38	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0155.COMP	10	11:41	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0156.c17-FN	1500	11:42	11:11:24.1	28:43:49	300	90	3.0	#113 Interacti	2	
0157.COMP	10	12:07	11:11:24.1	28:43:49	300	90	3.0	#113 Interacti	2	
0158.e99-B0	960	12:08	11:15:10.1	29:31:48	300	90	3.0	#113 Interacti	2	
0159.COMP	10	12:24	11:15:10.1	29:31:48	300	90	3.0	#113 Interacti	2	
0160.e1398-DA	760	12:27	12:12:18.8	29:10:45	300	28	3.0	#113 Interacti	2	
0161.COMP	10	12:40	12:12:18.8	29:10:45	300	28	3.0	#113 Interacti	2	
0162.e1398-DF	900	12:41	12:12:26.9	29:08:56	300	49	3.0	#113 Interacti	2	
0163.COMP	10	12:56	12:12:26.9	29:08:56	300	49	3.0	#113 Interacti	2	
0164.N4593	120	12:58	12:39:39.4	-05:20:39	300	90	3.0	#6 AGN Monitor	2	
0165.N4593	120	13:01	12:39:39.4	-05:20:39	300	90	3.0	#6 AGN Monitor	2	
0166.COMP	10	13:03	12:39:39.4	-05:20:39	300	90	3.0	#6 AGN Monitor	2	
0167.N4258	120	13:05	12:16:29.8	+47:34:51	300	90	3.0	#6 AGN Monitor	2	
0168.N4258	120	13:08	12:16:29.8	+47:34:51	300	90	3.0	#6 AGN Monitor	2	
0169.COMP	10	13:10	12:16:29.8	+47:34:51	300	90	3.0	#6 AGN Monitor	2	
0170.N4853	180	13:11	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0171.COMP	10	13:14	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	

UT Date 2006-12-25 Observers P BerlindColl. Focus 1320 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>
0172.11301220-1323146	210	13:16	11:30:12.2	-13:23:14	300	90	3.0	#141 Mapping t	2	
0173.COMP	10	13:20	11:30:12.2	-13:23:14	300	90	3.0	#141 Mapping t	2	
0174.11301159-1132362	150	13:21	11:30:11.5	-11:32:36	300	90	3.0	#141 Mapping t	2	
0175.COMP	10	13:23	11:30:11.5	-11:32:36	300	90	3.0	#141 Mapping t	2	
0176.TXCVn	30	13:25	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0177.TXCVn	30	13:26	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0178.COMP	10	13:27	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0179-0188.BIAS	0	13:30	12:44:42	36:45:48	300	90	3.0	#113 Interacti	2	
0189-0203.FLAT	25	13:40	12:44:42	36:45:48	300	90	3.0	#113 Interacti	2	
0204-0213.DARK	900	16:07	12:44:42	36:45:48	300	90	3.0	#113 Interacti	2	

UT Date 2006-12-26 Observers P BerlindColl. Focus 1320 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>
0001-0008.DARK	900	22:40	12:44:42	36:45:48	300	90	3.0	#113 Interacti	2	
0009-0020.BIAS	0	23:02	12:44:42	36:45:48	300	90	3.0	#113 Interacti	4	
0021-0024.DARK	900	23:57	12:44:42	36:45:48	300	90	3.0	#113 Interacti	4	
0025-0035.BIAS	0	0:21	12:44:42	36:45:48	300	90	3.0	#113 Interacti	2	
0036-0050.FLAT	25	0:30	12:44:42	36:45:48	300	90	3.0	#113 Interacti	2	
0051-0055.sky	3	0:38	23:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0056.COMP	10	0:39	23:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0057.HD193368	1	1:10	20:18:34	37:26:54	300	90	3.0	#99 Other	2	for archive Perry
0058.HD193368	3	1:11	20:18:34	37:26:54	300	90	3.0	#99 Other	2	
0059.HD193368	3	1:11	20:18:34	37:26:54	300	90	3.0	#99 Other	2	
0060.COMP	10	1:12	20:18:34	37:26:54	300	90	3.0	#99 Other	2	
0061.HD206267	1	1:13	21:38:58	57:28:48	300	90	3.0	#99 Other	2	
0062.HD206267	1	1:14	21:38:58	57:28:48	300	90	3.0	#99 Other	2	
0063.HD206267S	3	1:14	21:38:58	57:28:48	300	90	3.0	#99 Other	2	
0064.HD206267N	3	1:15	21:38:58	57:28:48	300	90	3.0	#99 Other	2	
0065.COMP	10	1:16	21:38:58	57:28:48	300	90	3.0	#99 Other	2	
0066.HD215835	3	1:17	22:46:53	58:04:55	300	90	3.0	#99 Other	2	
0067.HD215835	3	1:18	22:46:53	58:04:55	300	90	3.0	#99 Other	2	
0068.COMP	10	1:18	22:46:53	58:04:55	300	90	3.0	#99 Other	2	
0069.N7331	120	1:21	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	

UT Date 2006-12-26 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.COMP	10	1:23	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0071.BDp284211	90	1:25	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0072.BDp284211	90	1:27	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0073.COMP	10	1:29	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0074.BLLac	180	1:32	22:02:43.3	+42:16:40	300	90	3.0	#6 AGN Monitor	2	
0075.BLLac	180	1:35	22:02:43.3	+42:16:40	300	90	3.0	#6 AGN Monitor	2	
0076.COMP	10	1:39	22:02:43.3	+42:16:40	300	90	3.0	#6 AGN Monitor	2	
0077.Akn564	180	1:41	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0078.Akn564	180	1:44	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0079.COMP	10	1:47	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0080.20585215+5738335	1200	1:49	20:58:52.1	+57:38:33	300	90	3.0	#141 Mapping t	2	weak, weak, weak
0081.COMP	10	2:10	20:58:52.1	+57:38:33	300	90	3.0	#141 Mapping t	2	
0082.21531523+6432280	1800	2:14	21:53:15.2	+64:32:28	300	0	3.0	#141 Mapping t	2	ok
0083.COMP	10	2:45	21:53:15.2	+64:32:28	300	0	3.0	#141 Mapping t	2	
0084.sn2006sr	1500	2:48	00:03:35.0	23:11:46	300	65	3.0	#2 SN Observat	2	
0085.COMP	10	3:13	00:03:35.0	23:11:46	300	65	3.0	#2 SN Observat	2	
0086.01130223+6947271	1200	3:15	01:13:02.2	+69:47:27	300	90	3.0	#141 Mapping t	2	
0087.COMP	10	3:36	01:13:02.2	+69:47:27	300	90	3.0	#141 Mapping t	2	
0088.01310408+5556256	1200	3:37	01:31:04.0	+55:56:25	300	90	3.0	#141 Mapping t	2	
0089.COMP	10	3:57	01:31:04.0	+55:56:25	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-26 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.01191564+5610200	900	3:59	01:19:15.6	+56:10:20	300	90	3.0	#141 Mapping t	2	
0091.COMP	10	4:15	01:19:15.6	+56:10:20	300	90	3.0	#141 Mapping t	2	
0092.00354608+8313586	300	4:17	00:35:46.0	+83:13:58	300	90	3.0	#141 Mapping t	2	
0093.COMP	10	4:22	00:35:46.0	+83:13:58	300	90	3.0	#141 Mapping t	2	
0094.00382153+8750297	900	4:24	00:38:21.5	+87:50:29	300	90	3.0	#141 Mapping t	2	
0095.COMP	10	4:39	00:38:21.5	+87:50:29	300	90	3.0	#141 Mapping t	2	
0096.fmfbo23	480	4:41	01:45:31.5	36:25:30	300	90	3.0	#171f Local Un	2	
0097.COMP	10	4:49	01:45:31.5	36:25:30	300	90	3.0	#171f Local Un	2	
0098.fmfbo24	420	4:50	01:46:43.1	35:01:02	300	90	3.0	#171f Local Un	2	
0099.COMP	10	4:57	01:46:43.1	35:01:02	300	90	3.0	#171f Local Un	2	
0100.fmfbo25EW	480	4:59	01:46:53.8	34:52:11	300	60	3.0	#171f Local Un	2	close pair of galaxies, please extract both
0101.COMP	10	5:09	01:46:53.8	34:52:11	300	60	3.0	#171f Local Un	2	target 25 at row 79, east comp at row 72
0102.fmfbo26	420	5:10	01:47:31.5	35:23:42	300	90	3.0	#171f Local Un	2	
0103.COMP	10	5:18	01:47:31.5	35:23:42	300	90	3.0	#171f Local Un	2	
0104.fmfbo27	540	5:19	01:47:47.3	37:21:34	300	90	3.0	#171f Local Un	2	
0105.COMP	10	5:28	01:47:47.3	37:21:34	300	90	3.0	#171f Local Un	2	
0106.fmfbo28	480	5:30	01:47:57.6	37:19:08	300	90	3.0	#171f Local Un	2	
0107.COMP	10	5:38	01:47:57.6	37:19:08	300	90	3.0	#171f Local Un	2	
0108.fmfbo29	480	5:39	01:48:10.4	35:33:16	300	90	3.0	#171f Local Un	2	
0109.COMP	10	5:47	01:48:10.4	35:33:16	300	90	3.0	#171f Local Un	2	



UT Date 2006-12-26 Observers P BerlindColl. Focus 1320 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>
0110.sn2006lf	1800	5:50	04:38:29.4	44:02:01	300	90	3.0	#2 SN Observat	2	
0111.COMP	10	6:21	04:38:29.4	44:02:01	300	90	3.0	#2 SN Observat	2	
0112.sn2006le	1800	6:24	05:00:41.9	62:15:19	300	90	3.0	#2 SN Observat	2	
0113.COMP	10	6:54	05:00:41.9	62:15:19	300	90	3.0	#2 SN Observat	2	
0114.fmfa300	1200	6:56	04:18:19.5	3:37:44	300	90	3.0	#171 Local Uni	2	
0115.COMP	10	7:17	04:18:19.5	3:37:44	300	90	3.0	#171 Local Uni	2	
0116.fmfa290	720	7:17	04:16:44.2	1:54:26	300	90	3.0	#171 Local Uni	2	
0117.COMP	10	7:30	04:16:44.2	1:54:26	300	90	3.0	#171 Local Uni	2	
0118.fmfa291	540	7:31	04:16:46.4	3:19:55	300	90	3.0	#171 Local Uni	2	agn
0119.COMP	10	7:40	04:16:46.4	3:19:55	300	90	3.0	#171 Local Uni	2	
0120.06510292-1535518	1200	7:44	06:51:02.9	-15:35:51	300	90	3.0	#141 Mapping t	2	
0121.COMP	10	8:05	06:51:02.9	-15:35:51	300	90	3.0	#141 Mapping t	2	
0122.06552303-1714007	900	8:06	06:55:23.0	-17:14:00	300	90	3.0	#141 Mapping t	2	
0123.COMP	10	8:22	06:55:23.0	-17:14:00	300	90	3.0	#141 Mapping t	2	
0124.test	10	8:27	8:0:0	32:0:0	600	90	2.0	#141 Mapping t	4	600-line, 2-sec, Warren
0125-0134.FLAT	45	8:36	8:0:0	32:0:0	600	90	2.0	#141 Mapping t	4	
0135.bcand251	600	8:39	10:28:08.3	23:21:40	600	90	2.0	#166 Hyper Vel	4	
0136.COMP	10	8:49	10:28:08.3	23:21:40	600	90	2.0	#166 Hyper Vel	4	
0137.bcand252	720	8:50	10:34:02.0	21:30:09	600	90	2.0	#166 Hyper Vel	4	
0138.COMP	10	9:02	10:34:02.0	21:30:09	600	90	2.0	#166 Hyper Vel	4	

UT Date 2006-12-26 Observers P BerlindColl. Focus 1320 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>
0139.bcand248	1320	9:04	10:40:42.2	26:27:48	600	90	2.0	#166 Hyper Vel	4	
0140.COMP	10	9:26	10:40:42.2	26:27:48	600	90	2.0	#166 Hyper Vel	4	
0141.bcand250	1500	9:28	10:23:20.6	7:59:34	600	90	2.0	#166 Hyper Vel	4	
0142.COMP	10	9:55	10:23:20.6	7:59:34	600	90	2.0	#166 Hyper Vel	4	rtssystem crash
0143.bcand253	660	9:57	10:43:15.8	19:28:42	600	90	2.0	#166 Hyper Vel	4	
0144.COMP	10	10:08	10:43:15.8	19:28:42	600	90	2.0	#166 Hyper Vel	4	
0145.bcand267	1260	10:10	11:04:43.3	27:59:45	600	90	2.0	#166 Hyper Vel	4	
0146.COMP	10	10:31	11:04:43.3	27:59:45	600	90	2.0	#166 Hyper Vel	4	
0147.bcand268	1200	10:33	11:35:21.0	28:46:05	600	90	2.0	#166 Hyper Vel	4	
0148.COMP	10	10:53	11:35:21.0	28:46:05	600	90	2.0	#166 Hyper Vel	4	
0149.Feige34	120	10:54	10:39:36.8	43:06:10	600	90	2.0	#166 Hyper Vel	4	
0150.COMP	10	10:57	10:39:36.8	43:06:10	600	90	2.0	#166 Hyper Vel	4	
0151.bcand269	900	10:58	12:18:00.4	29:51:38	600	90	2.0	#166 Hyper Vel	4	
0152.COMP	10	11:13	12:18:00.4	29:51:38	600	90	2.0	#166 Hyper Vel	4	
0153.test	10	11:16	11:00:00	33:00:00	300	90	5.0	#166 Hyper Vel	2	300-line, 5-sec slit
0154.test	10	11:18	11:00:00	33:00:00	300	90	5.0	#166 Hyper Vel	2	clear now
0155.Feige34	120	11:20	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	files 158 and 159 are best
0156.Feige34	120	11:23	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	
0157.Feige34	120	11:25	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	
0158.Feige34	120	11:28	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	

UT Date 2006-12-26 Observers P BerlindColl. Focus 1320 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>
0159.Feige34	120	11:30	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	
0160.Feige34	120	11:32	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	
0161.COMP	10	11:35	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	
0162-0171.FLAT	15	11:41	10:39:36.8	43:06:10	300	90	5.0	#166 Hyper Vel	2	
0172.test	10	11:43	10:39:36.8	43:06:10	300	90	3.0	#166 Hyper Vel	2	300-line, 3-sec, combo
0173.Feige34	120	11:44	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0174.Feige34	120	11:46	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0175.COMP	10	11:49	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0176.HD84937	10	11:50	09:48:54.8	13:45:13	300	35	3.0	#56 Spectropho	2	
0177.HD84937	10	11:51	09:48:54.8	13:45:13	300	35	3.0	#56 Spectropho	2	
0178.HD84937	10	11:51	09:48:54.8	13:45:13	300	35	3.0	#56 Spectropho	2	
0179.COMP	10	11:52	09:48:54.8	13:45:13	300	35	3.0	#56 Spectropho	2	
0180.e1393-BV	1200	11:56	12:58:13.3	28:56:53	300	11	3.0	#113 Interacti	2	
0181.COMP	10	12:16	12:58:13.3	28:56:53	300	11	3.0	#113 Interacti	2	
0182.e1393-BX	1500	12:18	12:58:27.8	28:58:26	300	11	3.0	#113 Interacti	2	
0183.COMP	10	12:43	12:58:27.8	28:58:26	300	11	3.0	#113 Interacti	2	
0184.e1398-CC	900	12:45	12:08:47.1	29:18:15	300	75	3.0	#113 Interacti	2	
0185.COMP	10	13:01	12:08:47.1	29:18:15	300	75	3.0	#113 Interacti	2	
0186.N4853	240	13:02	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0187.COMP	10	13:07	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	

UT Date 2006-12-26 Observers P BerlindColl. Focus 1320 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>
0188.N5548	240	13:08	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0189.N5548	240	13:12	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0190.COMP	10	13:17	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0191.N4151	30	13:18	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0192.N4151	30	13:18	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0193.N4151	30	13:19	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0194.COMP	10	13:20	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0195-0204.BIAS	0	13:23	12:10:32.6	+39:24:21	300	90	3.0	#113 Interacti	2	
0205-0219.FLAT	25	13:32	12:10:32.6	+39:24:21	300	90	3.0	#113 Interacti	2	
0220-0229.BIAS	0	13:34	12:10:32.6	+39:24:21	300	90	3.0	#113 Interacti	4	
0230-0239.DARK	900	15:59	12:10:32.6	+39:24:21	300	90	3.0	#113 Interacti	2	

UT Date 2006-12-27 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0004.DARK	900	0:51	23:01:42.6	+31:27:28	300	90	3.0	#113 Interacti	4	
0005-0014.BIAS	0	1:08	23:01:42.6	+31:27:28	300	90	3.0	#113 Interacti	4	
0015-0024.FLAT	12	1:15	23:01:42.6	+31:27:28	300	90	3.0	#113 Interacti	4	
0025-0034.BIAS	0	1:17	23:01:42.6	+31:27:28	300	90	3.0	#113 Interacti	2	
0035-0044.FLAT	25	1:24	23:01:42.6	+31:27:28	300	90	3.0	#113 Interacti	2	
0045.BDp284211	60	1:31	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0046.BDp284211	60	1:32	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0047.COMP	12	1:34	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0048.BDp174708	35	1:35	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0049.BDp174708	35	1:36	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0050.BDp174708	35	1:37	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0051.COMP	12	1:41	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0052.N7469	120	1:44	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0053.N7469	120	1:46	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0054.COMP	12	1:50	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0055.MRK335	150	1:54	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0056.MRK335	150	1:57	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0057.COMP	12	2:00	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0058.sn2006sr	1500	2:02	00:03:35.0	23:11:46	300	52	3.0	#2 SN Observat	2	
0059.COMP	12	2:29	00:03:35.0	23:11:46	300	52	3.0	#2 SN Observat	2	wait out clouds

UT Date 2006-12-27 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0060.fmfa296	1800	3:06	04:17:48.8	0:14:27	300	90	3.0	#171 Local Uni	2	
0061.COMP	12	3:38	04:17:48.8	0:14:27	300	90	3.0	#171 Local Uni	2	
0062.fmfa293	1500	3:39	04:16:51.6	2:09:24	300	90	3.0	#171 Local Uni	2	
0063.COMP	12	4:05	04:16:51.6	2:09:24	300	90	3.0	#171 Local Uni	2	
0064.fmfa294	1500	4:07	04:16:54.4	3:05:48	300	90	3.0	#171 Local Uni	2	
0065.COMP	12	4:32	04:16:54.4	3:05:48	300	90	3.0	#171 Local Uni	2	
0066.fmfa295	1800	4:34	04:17:28.7	2:13:31	300	90	3.0	#171 Local Uni	2	
0067.COMP	12	5:05	04:17:28.7	2:13:31	300	90	3.0	#171 Local Uni	2	
0068.fmfa297	900	5:06	04:18:04.7	3:18:05	300	90	3.0	#171 Local Uni	2	
0069.COMP	12	5:22	04:18:04.7	3:18:05	300	90	3.0	#171 Local Uni	2	
0070.fmfa298	1800	5:54	04:18:10.2	3:50:35	300	100	3.0	#171 Local Uni	2	
0071.COMP	12	6:25	04:18:10.2	3:50:35	300	100	3.0	#171 Local Uni	2	
0072.fmfa299	480	6:26	04:18:17.4	3:10:23	300	90	3.0	#171 Local Uni	2	
0073.COMP	12	6:35	04:18:17.4	3:10:23	300	90	3.0	#171 Local Uni	2	
0074.sn20061f	2100	6:40	04:38:29.4	44:02:01	300	110	3.0	#2 SN Observat	2	
0075.COMP	12	7:16	04:38:29.4	44:02:01	300	110	3.0	#2 SN Observat	2	
0076.sn20061e	1800	7:21	05:00:41.9	62:15:19	300	-30	3.0	#2 SN Observat	2	row=87
0077.COMP	12	7:53	05:00:41.9	62:15:19	300	-30	3.0	#2 SN Observat	2	
0078.fmfa309	1500	7:57	04:19:38.8	3:26:16	300	90	3.0	#171 Local Uni	2	
0079.COMP	12	8:23	04:19:38.8	3:26:16	300	90	3.0	#171 Local Uni	2	

UT Date 2006-12-27 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0080.fmfa310	1200	8:25	04:19:45.3	0:41:03	300	70	3.0	#171 Local Uni	2	
0081.COMP	12	8:45	04:19:45.3	0:41:03	300	70	3.0	#171 Local Uni	2	
0082.fmfa311	900	8:47	04:20:14.8	0:52:23	300	95	3.0	#171 Local Uni	2	
0083.COMP	12	9:03	04:20:14.8	0:52:23	300	95	3.0	#171 Local Uni	2	
0084.06064724+4336190	600	9:06	06:06:47.2	+43:36:19	300	90	3.0	#141 Mapping t	2	
0085.COMP	12	9:17	06:06:47.2	+43:36:19	300	90	3.0	#141 Mapping t	2	
0086.06080348+4508254	540	9:25	06:08:03.4	+45:08:25	300	70	3.0	#141 Mapping t	2	
0087.COMP	12	9:35	06:08:03.4	+45:08:25	300	70	3.0	#141 Mapping t	2	
0088.06082279+4111058	1080	9:38	06:08:22.7	+41:11:05	300	70	3.0	#141 Mapping t	2	
0089.COMP	12	9:56	06:08:22.7	+41:11:05	300	70	3.0	#141 Mapping t	2	
0090.06100482+6757052	1020	10:01	06:10:04.8	+67:57:05	300	90	3.0	#141 Mapping t	2	
0091.COMP	12	10:19	06:10:04.8	+67:57:05	300	90	3.0	#141 Mapping t	2	
0092.06103687+5033201	1080	10:20	06:10:36.8	+50:33:20	300	90	3.0	#141 Mapping t	2	
0093.COMP	12	10:39	06:10:36.8	+50:33:20	300	90	3.0	#141 Mapping t	2	
0094.06111103+4835072	360	10:42	06:11:11.0	+48:35:07	300	75	3.0	#141 Mapping t	2	
0095.COMP	12	10:49	06:11:11.0	+48:35:07	300	75	3.0	#141 Mapping t	2	
0096.e99-BQ	1320	10:54	11:15:18.3	29:31:37	300	-40	3.0	#113 Interacti	2	
0097.COMP	12	11:17	11:15:18.3	29:31:37	300	-40	3.0	#113 Interacti	2	
0098.e99-BX	2100	11:20	11:15:32.5	29:31:38	300	90	3.0	#113 Interacti	2	
0099.COMP	12	11:56	11:15:32.5	29:31:38	300	90	3.0	#113 Interacti	2	clouds returning

UT Date 2006-12-27 Observers M CalkinsColl. Focus 1320 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>
0100.e99-CQ	1800	12:12	11:16:28.0	29:19:35	300	90	3.0	#113 Interacti	2	
0101.COMP	12	12:43	11:16:28.0	29:19:35	300	90	3.0	#113 Interacti	2	
0102.HD84937	45	12:45	09:48:54.8	13:45:13	300	51	3.0	#56 Spectropho	2	
0103.HD84937	45	12:46	09:48:54.8	13:45:13	300	51	3.0	#56 Spectropho	2	
0104.HD84937	45	12:47	09:48:54.8	13:45:13	300	51	3.0	#56 Spectropho	2	
0105.COMP	12	12:48	09:48:54.8	13:45:13	300	51	3.0	#56 Spectropho	2	
0106.Feige34	180	12:51	10:39:36.8	43:06:10	300	110	3.0	#56 Spectropho	2	
0107.COMP	12	12:55	10:39:36.8	43:06:10	300	110	3.0	#56 Spectropho	2	
0108.Feige34	180	12:56	10:39:36.8	43:06:10	300	110	3.0	#56 Spectropho	2	
0109.COMP	12	12:59	10:39:36.8	43:06:10	300	110	3.0	#56 Spectropho	2	clouds win
0110-0119.BIAS	0	13:04	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	4	
0120-0129.FLAT	12	13:08	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	4	
0130-0139.BIAS	0	13:12	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	2	
0140-0169.FLAT	25	13:31	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	2	
0170-0179.DARK	900	15:54	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	2	



UT Date 2006-12-28 Observers M CalkinsColl. Focus 1320 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	0:44	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	4	
0011-0020.BIAS	0	1:13	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	4	
0021-0030.FLAT	12	1:19	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	4	
0031-0040.BIAS	0	1:22	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	2	
0041-0060.FLAT	25	1:34	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	2	
0061-0070.DARK	900	12:35	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	2	

UT Date 2006-12-29 Observers M CalkinsColl. Focus 1320 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	1:28	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	4	
0011-0020.BIAS	0	3:16	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	4	
0021-0030.FLAT	12	3:35	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	4	
0031-0040.BIAS	0	8:05	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	2	
0041-0060.FLAT	25	8:18	10:39:36.8	43:06:10	300	90	3.0	#141 Mapping t	2	