

UT Date 2004-05-20 Observers J BattatColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	1:56	20:01:52.4	31:39:17	300	90	3.0	testing	4	combo tilt 612
0002-0010.BIAS	0	1:58	20:01:52.4	31:39:17	300	90	3.0	testing	4	
0011-0020.FLAT	8	2:01	20:01:52.4	31:39:17	300	90	3.0	testing	4	
0021-0030.BIAS	0	2:03	20:01:52.4	31:39:17	300	90	3.0	testing	2	
0031-0040.FLAT	16	2:09	20:01:52.4	31:39:17	300	90	3.0	testing	2	
0041-0045.sky	10	2:44	11:05:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	2:45	11:05:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0047.HD84937	12	4:08	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0048.HD84937	12	4:08	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0049.HD84937	12	4:09	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0050.COMP	10	4:09	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0051.N3377	120	4:33	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0052.COMP	5	4:35	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0053.N4151	30	4:40	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0054.N4151	30	4:41	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0055.COMP	5	4:42	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0056.N4051	150	4:43	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0057.N4051	150	4:46	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0058.COMP	5	4:49	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0059.M87	180	4:52	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	

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0060.M87	180	4:55	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0061.COMP	5	4:58	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0062.Feige34	120	5:06	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0063.Feige34	120	5:08	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0064.COMP	10	5:11	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0065.sn2004aw	1200	5:19	11:57:50.2	+25:15:55	300	70	3.0	#2 SN Observat	2	kept tilt at 612
0066.COMP	10	5:39	11:57:50.2	+25:15:55	300	70	3.0	#2 SN Observat	2	
0067.131436p31500_b	1200	5:55	13:16:53.0	31:35:55	300	90	3.0	#113 Interacti	2	debs gals
0068.COMP	10	6:16	13:16:53.0	31:35:55	300	90	3.0	#113 Interacti	2	
0069.BDp262606	30	6:21	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	and checked focus
0070.BDp262606	30	6:22	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0071.COMP	10	6:22	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0072.134700p35300_b	1500	6:24	13:49:12.2	35:17:4	300	90	3.0	#113 Interacti	2	
0073.COMP	10	6:50	13:49:12.2	35:17:4	300	90	3.0	#113 Interacti	2	
0074.135600p23080_c	1200	6:52	13:58:1.7	22:54:13	300	90	3.0	#113 Interacti	2	
0075.COMP	10	7:12	13:58:1.7	22:54:13	300	90	3.0	#113 Interacti	2	
0076.c0215	900	7:18	16:05:40.6	15:47:17	300	90	3.0	#64 Cluster In	2	
0077.COMP	10	7:34	16:05:40.6	15:47:17	300	90	3.0	#64 Cluster In	2	
0078.c0216	300	7:38	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	
0079.COMP	10	7:43	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0080.c0216	600	7:44	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	
0081.COMP	10	7:55	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	
0082.c0217	600	7:58	16:02:28.3	15:50:46	300	60	3.0	#64 Cluster In	2	
0083.COMP	10	8:08	16:02:28.3	15:50:46	300	60	3.0	#64 Cluster In	2	
0084.c0218	900	8:12	16:01:45.5	15:53:28	300	-10	3.0	#64 Cluster In	2	
0085.COMP	10	8:27	16:01:45.5	15:53:28	300	-10	3.0	#64 Cluster In	2	
0086.sn2004ao	1200	8:35	17:28:09.3	+07:24:55	300	-10	3.0	#2 SN Observat	2	
0087.COMP	10	8:56	17:28:09.3	+07:24:55	300	-10	3.0	#2 SN Observat	2	
0088.2M180256.3+344903	420	9:11	18:2:56.3	+34:49:3	300	90	3.0	#68 2MASS Reds	4	
0089.COMP	5	9:18	18:2:56.3	+34:49:3	300	90	3.0	#68 2MASS Reds	4	
0090.2M180339.5+432749	360	9:20	18:3:39.5	+43:27:49	300	90	3.0	#68 2MASS Reds	4	
0091.COMP	5	9:26	18:3:39.5	+43:27:49	300	90	3.0	#68 2MASS Reds	4	
0092.2M180412.5+580047	420	9:30	18:4:12.5	+58:0:47	300	90	3.0	#68 2MASS Reds	4	
0093.COMP	5	9:37	18:4:12.5	+58:0:47	300	90	3.0	#68 2MASS Reds	4	
0094.2M180450.5+435713	360	9:39	18:4:50.5	+43:57:13	300	90	3.0	#68 2MASS Reds	4	
0095.COMP	5	9:46	18:4:50.5	+43:57:13	300	90	3.0	#68 2MASS Reds	4	
0096.2M180559.7+593726	360	9:47	18:5:59.7	+59:37:26	300	90	3.0	#68 2MASS Reds	4	
0097.COMP	5	9:53	18:5:59.7	+59:37:26	300	90	3.0	#68 2MASS Reds	4	
0098.2M180643.2+222507	360	9:55	18:6:43.2	+22:25:7	300	90	3.0	#68 2MASS Reds	4	
0099.COMP	5	10:01	18:6:43.2	+22:25:7	300	90	3.0	#68 2MASS Reds	4	

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0100.2M181054.0+542258	360	10:03	18:10:54.0	+54:22:58	300	90	3.0	#68 2MASS Reds	4	
0101.COMP	5	10:09	18:10:54.0	+54:22:58	300	90	3.0	#68 2MASS Reds	4	
0102.2M181315.5+421813	360	10:10	18:13:15.5	+42:18:13	300	90	3.0	#68 2MASS Reds	4	
0103.COMP	5	10:17	18:13:15.5	+42:18:13	300	90	3.0	#68 2MASS Reds	4	
0104.2M181617.4+273151	360	10:18	18:16:17.4	+27:31:51	300	90	3.0	#68 2MASS Reds	4	
0105.COMP	5	10:25	18:16:17.4	+27:31:51	300	90	3.0	#68 2MASS Reds	4	
0106.FineFoc	60	10:29	19:02:55.0	31:41:06	300	90	3.0	#68 2MASS Reds	1	
0107.2M183022.2+521512	240	10:36	18:30:22.2	+52:15:12	300	90	3.0	#68 2MASS Reds	4	
0108.COMP	5	10:41	18:30:22.2	+52:15:12	300	90	3.0	#68 2MASS Reds	4	
0109.2M182858.3+535611	300	10:42	18:28:58.3	+53:56:11	300	90	3.0	#68 2MASS Reds	4	
0110.COMP	5	10:47	18:28:58.3	+53:56:11	300	90	3.0	#68 2MASS Reds	4	
0111.2M182126.9+263935	180	10:50	18:21:26.9	+26:39:35	300	90	3.0	#68 2MASS Reds	4	
0112.COMP	5	10:53	18:21:26.9	+26:39:35	300	90	3.0	#68 2MASS Reds	4	
0113.2M181914.6+125505	420	10:55	18:19:14.6	+12:55:5	300	90	3.0	#68 2MASS Reds	4	
0114.COMP	5	11:02	18:19:14.6	+12:55:5	300	90	3.0	#68 2MASS Reds	4	
0115.2M182145.4+180420	330	11:04	18:21:45.4	+18:4:20	300	100	3.0	#68 2MASS Reds	4	
0116.COMP	5	11:10	18:21:45.4	+18:4:20	300	100	3.0	#68 2MASS Reds	4	
0117.2M182611.0+005810	480	11:12	18:26:11.0	+00:58:10	300	100	3.0	#68 2MASS Reds	4	
0118.COMP	5	11:21	18:26:11.0	+00:58:10	300	100	3.0	#68 2MASS Reds	4	
0119-0128.BIAS	0	11:32	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	4	

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0129-0138.FLAT	8	11:36	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	4	
0139-0148.BIAS	0	11:38	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	2	
0149-0158.FLAT	16	11:44	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	2	
0159-0167.DARK	900	14:02	18:33:15.6	+00:9:31	300	90	3.0	#68 2MASS Reds	4	
0001.BIAS	0	1:56	20:01:52.4	31:39:17	300	90	3.0	testing	4	combo tilt 612
0002-0010.BIAS	0	1:58	20:01:52.4	31:39:17	300	90	3.0	testing	4	
0011-0020.FLAT	8	2:01	20:01:52.4	31:39:17	300	90	3.0	testing	4	
0021-0030.BIAS	0	2:03	20:01:52.4	31:39:17	300	90	3.0	testing	2	
0031-0040.FLAT	16	2:09	20:01:52.4	31:39:17	300	90	3.0	testing	2	
0041-0045.sky	10	2:44	11:05:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	2:45	11:05:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0047.HD84937	12	4:08	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0048.HD84937	12	4:08	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0049.HD84937	12	4:09	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0050.COMP	10	4:09	09:48:56.1	13:44:39	300	57	3.0	#56 Spectropho	2	
0051.N3377	120	4:33	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0052.COMP	5	4:35	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0053.N4151	30	4:40	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0054.N4151	30	4:41	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0055.COMP	5	4:42	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	

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0056.N4051	150	4:43	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0057.N4051	150	4:46	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0058.COMP	5	4:49	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0059.M87	180	4:52	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0060.M87	180	4:55	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0061.COMP	5	4:58	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0062.Feige34	120	5:06	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0063.Feige34	120	5:08	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0064.COMP	10	5:11	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0065.sn2004aw	1200	5:19	11:57:50.2	+25:15:55	300	70	3.0	#2 SN Observat	2	kept tilt at 612
0066.COMP	10	5:39	11:57:50.2	+25:15:55	300	70	3.0	#2 SN Observat	2	
0067.131436p31500_b	1200	5:55	13:16:53.0	31:35:55	300	90	3.0	#113 Interacti	2	debs gals
0068.COMP	10	6:16	13:16:53.0	31:35:55	300	90	3.0	#113 Interacti	2	
0069.BDp262606	30	6:21	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	and checked focus
0070.BDp262606	30	6:22	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0071.COMP	10	6:22	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0072.134700p35300_b	1500	6:24	13:49:12.2	35:17:4	300	90	3.0	#113 Interacti	2	
0073.COMP	10	6:50	13:49:12.2	35:17:4	300	90	3.0	#113 Interacti	2	
0074.135600p23080_c	1200	6:52	13:58:1.7	22:54:13	300	90	3.0	#113 Interacti	2	
0075.COMP	10	7:12	13:58:1.7	22:54:13	300	90	3.0	#113 Interacti	2	

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0076.c0215	900	7:18	16:05:40.6	15:47:17	300	90	3.0	#64 Cluster In	2	
0077.COMP	10	7:34	16:05:40.6	15:47:17	300	90	3.0	#64 Cluster In	2	
0078.c0215	300	7:38	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	this source is really c0216
0079.COMP	10	7:43	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	
0080.c0215	600	7:44	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	this source is really c0216
0081.COMP	10	7:55	16:05:40.6	15:47:17	300	60	3.0	#64 Cluster In	2	
0082.c0217	600	7:58	16:02:28.3	15:50:46	300	60	3.0	#64 Cluster In	2	
0083.COMP	10	8:08	16:02:28.3	15:50:46	300	60	3.0	#64 Cluster In	2	
0084.c0218	900	8:12	16:01:45.5	15:53:28	300	-10	3.0	#64 Cluster In	2	
0085.COMP	10	8:27	16:01:45.5	15:53:28	300	-10	3.0	#64 Cluster In	2	
0086.sn2004ao	1200	8:35	17:28:09.3	+07:24:55	300	-10	3.0	#2 SN Observat	2	
0087.COMP	10	8:56	17:28:09.3	+07:24:55	300	-10	3.0	#2 SN Observat	2	
0088.2M180256.3+344903	420	9:11	18:2:56.3	+34:49:3	300	90	3.0	#68 2MASS Reds	4	
0089.COMP	5	9:18	18:2:56.3	+34:49:3	300	90	3.0	#68 2MASS Reds	4	
0090.2M180339.5+432749	360	9:20	18:3:39.5	+43:27:49	300	90	3.0	#68 2MASS Reds	4	
0091.COMP	5	9:26	18:3:39.5	+43:27:49	300	90	3.0	#68 2MASS Reds	4	
0092.2M180412.5+580047	420	9:30	18:4:12.5	+58:0:47	300	90	3.0	#68 2MASS Reds	4	
0093.COMP	5	9:37	18:4:12.5	+58:0:47	300	90	3.0	#68 2MASS Reds	4	
0094.2M180450.5+435713	360	9:39	18:4:50.5	+43:57:13	300	90	3.0	#68 2MASS Reds	4	
0095.COMP	5	9:46	18:4:50.5	+43:57:13	300	90	3.0	#68 2MASS Reds	4	

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0096.2M180559.7+593726	360	9:47	18:5:59.7	+59:37:26	300	90	3.0	#68 2MASS Reds	4	
0097.COMP	5	9:53	18:5:59.7	+59:37:26	300	90	3.0	#68 2MASS Reds	4	
0098.2M180643.2+222507	360	9:55	18:6:43.2	+22:25:7	300	90	3.0	#68 2MASS Reds	4	
0099.COMP	5	10:01	18:6:43.2	+22:25:7	300	90	3.0	#68 2MASS Reds	4	
0100.2M181054.0+542258	360	10:03	18:10:54.0	+54:22:58	300	90	3.0	#68 2MASS Reds	4	
0101.COMP	5	10:09	18:10:54.0	+54:22:58	300	90	3.0	#68 2MASS Reds	4	
0102.2M181315.5+421813	360	10:10	18:13:15.5	+42:18:13	300	90	3.0	#68 2MASS Reds	4	
0103.COMP	5	10:17	18:13:15.5	+42:18:13	300	90	3.0	#68 2MASS Reds	4	
0104.2M181617.4+273151	360	10:18	18:16:17.4	+27:31:51	300	90	3.0	#68 2MASS Reds	4	
0105.COMP	5	10:25	18:16:17.4	+27:31:51	300	90	3.0	#68 2MASS Reds	4	
0106.FineFoc	60	10:29	19:02:55.0	31:41:06	300	90	3.0	#68 2MASS Reds	1	
0107.2M183022.2+521512	240	10:36	18:30:22.2	+52:15:12	300	90	3.0	#68 2MASS Reds	4	
0108.COMP	5	10:41	18:30:22.2	+52:15:12	300	90	3.0	#68 2MASS Reds	4	
0109.2M182858.3+535611	300	10:42	18:28:58.3	+53:56:11	300	90	3.0	#68 2MASS Reds	4	
0110.COMP	5	10:47	18:28:58.3	+53:56:11	300	90	3.0	#68 2MASS Reds	4	
0111.2M182126.9+263935	180	10:50	18:21:26.9	+26:39:35	300	90	3.0	#68 2MASS Reds	4	
0112.COMP	5	10:53	18:21:26.9	+26:39:35	300	90	3.0	#68 2MASS Reds	4	
0113.2M181914.6+125505	420	10:55	18:19:14.6	+12:55:5	300	90	3.0	#68 2MASS Reds	4	
0114.COMP	5	11:02	18:19:14.6	+12:55:5	300	90	3.0	#68 2MASS Reds	4	
0115.2M182145.4+180420	330	11:04	18:21:45.4	+18:4:20	300	100	3.0	#68 2MASS Reds	4	

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0116.COMP	5	11:10	18:21:45.4	+18:4:20	300	100	3.0	#68 2MASS Reds	4	
0117.2M182611.0+005810	480	11:12	18:26:11.0	+00:58:10	300	100	3.0	#68 2MASS Reds	4	
0118.COMP	5	11:21	18:26:11.0	+00:58:10	300	100	3.0	#68 2MASS Reds	4	
0119-0128.BIAS	0	11:32	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	4	
0129-0138.FLAT	8	11:36	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	4	
0139-0148.BIAS	0	11:38	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	2	
0149-0158.FLAT	16	11:44	18:33:15.6	+00:9:31	300	100	3.0	#68 2MASS Reds	2	
0159-0167.DARK	900	14:02	18:33:15.6	+00:9:31	300	90	3.0	#68 2MASS Reds	4	