

UT Date 2004-12-21 Observers M CalkinsColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0008.DARK	900	0:44	10:36:41.2	43:21:50	300	90	3.0	#12 Symbiotic	4	
0009-0018.BIAS	0	1:06	10:36:41.2	43:21:50	300	90	3.0	#12 Symbiotic	4	
0019-0028.FLAT	6	1:08	10:36:41.2	43:21:50	300	90	3.0	#12 Symbiotic	4	
0029-0038.BIAS	0	1:11	10:36:41.2	43:21:50	300	90	3.0	#12 Symbiotic	2	
0039-0048.FLAT	12	1:15	10:36:41.2	43:21:50	300	90	3.0	#12 Symbiotic	2	
0049.BDp284211	60	2:03	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	4	
0050.BDp284211	60	2:04	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	4	
0051.COMP	5	2:05	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	4	
0052.BDp284211	60	2:06	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	2	
0053.BDp284211	60	2:07	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	2	
0054.COMP	12	2:09	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	2	
0055.BDp174708	20	2:11	22:11:31.4	18:05:34	300	61	3.0	#56 Spectropho	2	
0056.BDp174708	20	2:12	22:11:31.4	18:05:34	300	61	3.0	#56 Spectropho	2	
0057.COMP	12	2:13	22:11:31.4	18:05:34	300	61	3.0	#56 Spectropho	2	
0058.M31	60	2:15	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	4	
0059.COMP	5	2:16	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	4	
0060.M31	60	2:17	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0061.COMP	12	2:19	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0062.2593-26	480	2:22	23:22:57.6	+15:05:50	300	90	3.0	#64 Galaxy For	2	
0063.COMP	12	2:31	23:22:57.6	+15:05:50	300	90	3.0	#64 Galaxy For	2	

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0064.2593-27	780	2:32	23:24:22.1	+15:06:20	300	90	3.0	#64 Galaxy For	2	
0065.COMP	12	2:46	23:24:22.1	+15:06:20	300	90	3.0	#64 Galaxy For	2	
0066.2593-28	1200	2:47	23:25:20.6	+15:12:46	300	90	3.0	#64 Galaxy For	2	
0067.COMP	12	3:07	23:25:20.6	+15:12:46	300	90	3.0	#64 Galaxy For	2	
0068.2666-01	1260	3:09	23:50:26.3	+26:08:21	300	90	3.0	#64 Galaxy For	2	
0069.COMP	12	3:30	23:50:26.3	+26:08:21	300	90	3.0	#64 Galaxy For	2	
0070.2666-01	540	3:31	23:50:26.3	+26:08:21	300	70	3.0	#64 Galaxy For	2	
0071.COMP	12	3:41	23:50:26.3	+26:08:21	300	70	3.0	#64 Galaxy For	2	
0072.2666-03	780	3:42	23:50:48.1	+26:17:04	300	90	3.0	#64 Galaxy For	2	
0073.COMP	12	3:55	23:50:48.1	+26:17:04	300	90	3.0	#64 Galaxy For	2	
0074.2666-04	1500	3:57	23:48:45.8	+26:23:16	300	90	3.0	#64 Galaxy For	2	
0075.COMP	12	4:23	23:48:45.8	+26:23:16	300	90	3.0	#64 Galaxy For	2	
0076.2666-05	1020	4:26	23:50:57.3	+26:34:04	300	90	3.0	#64 Galaxy For	2	
0077.COMP	12	4:44	23:50:57.3	+26:34:04	300	90	3.0	#64 Galaxy For	2	
0078.2666-06	1200	4:45	23:52:15.3	+26:36:37	300	90	3.0	#64 Galaxy For	2	
0079.COMP	12	5:05	23:52:15.3	+26:36:37	300	90	3.0	#64 Galaxy For	2	
0080.sn2004gq	1500	5:16	05:12:04.8	-15:40:54	300	-23	3.0	#2 SN Observat	2	
0081.COMP	12	5:41	05:12:04.8	-15:40:54	300	-23	3.0	#2 SN Observat	2	
0082.hs3599	720	5:46	3:14:38.8	10:11:46	600	90	2.0	#122 Halo Star	4	clouds, moon, try again....
0083.COMP	10	5:59	3:14:38.8	10:11:46	600	90	2.0	#122 Halo Star	4	

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0084.hs3599	900	6:00	3:14:38.8	10:11:46	600	90	2.0	#122 Halo Star	4	
0085.COMP	10	6:15	3:14:38.8	10:11:46	600	90	2.0	#122 Halo Star	4	
0086.hs3600	900	6:16	3:14:45.6	12:45:18	600	90	2.0	#122 Halo Star	4	
0087.COMP	10	6:32	3:14:45.6	12:45:18	600	90	2.0	#122 Halo Star	4	
0088.hs3601	900	6:33	3:15:26.1	10:16:54	600	90	2.0	#122 Halo Star	4	
0089.COMP	10	6:48	3:15:26.1	10:16:54	600	90	2.0	#122 Halo Star	4	
0090.hs3616	1020	6:49	3:19:48.8	11:39:25	600	90	2.0	#122 Halo Star	4	
0091.COMP	10	7:07	3:19:48.8	11:39:25	600	90	2.0	#122 Halo Star	4	
0092.hs3622	900	7:08	3:20:42.2	11:12:24	600	90	2.0	#122 Halo Star	4	
0093.COMP	10	7:23	3:20:42.2	11:12:24	600	90	2.0	#122 Halo Star	4	
0094.hs3623	600	7:25	3:20:56.8	9:20:58	600	90	2.0	#122 Halo Star	4	
0095.COMP	12	7:35	3:20:56.8	9:20:58	600	90	2.0	#122 Halo Star	4	
0096.hs3625	480	7:37	3:21:19.7	12:15:21	600	90	2.0	#122 Halo Star	4	
0097.COMP	10	7:46	3:21:19.7	12:15:21	600	90	2.0	#122 Halo Star	4	
0098.hs3628	360	7:47	3:21:35.0	9:17:44	600	90	2.0	#122 Halo Star	4	
0099.COMP	10	7:53	3:21:35.0	9:17:44	600	90	2.0	#122 Halo Star	4	
0100.hs3633	360	7:55	3:23:06.9	11:28:47	600	99	2.0	#122 Halo Star	4	
0101.COMP	10	8:01	3:23:06.9	11:28:47	600	99	2.0	#122 Halo Star	4	
0102.hs3634	1020	8:14	3:23:15.1	10:52:44	600	99	2.0	#122 Halo Star	4	
0103.COMP	10	8:35	3:23:15.1	10:52:44	600	99	2.0	#122 Halo Star	4	

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0104.Hiltner600	60	8:37	06:42:37.2	02:11:25	600	99	2.0	#56 Spectropho	4	
0105.COMP	10	8:38	06:42:37.2	02:11:25	600	99	2.0	#56 Spectropho	4	
0106-0115.FLAT	24	8:45	06:42:37.2	02:11:25	600	99	2.0	#122 Halo Star	4	
0116.Hiltner600	60	8:55	06:42:37.2	02:11:25	300	19	3.0	#56 Spectropho	4	combo setup
0117.COMP	5	8:56	06:42:37.2	02:11:25	300	19	3.0	#56 Spectropho	4	
0118.Hiltner600	60	8:56	06:42:37.2	02:11:25	300	19	3.0	#56 Spectropho	2	
0119.COMP	12	8:58	06:42:37.2	02:11:25	300	19	3.0	#56 Spectropho	2	
0120.2M06404489p2736203	300	9:27	06:40:44.9	+27:36:20	300	90	3.0	#141 Mapping t	2	
0121.COMP	12	9:33	06:40:44.9	+27:36:20	300	90	3.0	#141 Mapping t	2	
0122.2M06430449p2918153	420	9:34	06:43:04.5	+29:18:15	300	90	3.0	#141 Mapping t	2	need more counts...
0123.COMP	12	9:41	06:43:04.5	+29:18:15	300	90	3.0	#141 Mapping t	2	
0124.2M06430449p2918153	840	9:42	06:43:04.5	+29:18:15	300	90	3.0	#141 Mapping t	2	
0125.COMP	12	9:57	06:43:04.5	+29:18:15	300	90	3.0	#141 Mapping t	2	
0126.2M06571511p5036147	420	9:58	06:57:15.1	+50:36:14	300	90	3.0	#141 Mapping t	2	
0127.COMP	12	10:06	06:57:15.1	+50:36:14	300	90	3.0	#141 Mapping t	2	
0128.2M06592275p6916143	720	10:07	06:59:22.7	+69:16:14	300	90	3.0	#141 Mapping t	2	
0129.COMP	12	10:20	06:59:22.7	+69:16:14	300	90	3.0	#141 Mapping t	2	
0130.2M07454291p5342240	360	10:21	07:45:42.9	+53:42:24	300	90	3.0	#141 Mapping t	2	
0131.COMP	12	10:27	07:45:42.9	+53:42:24	300	90	3.0	#141 Mapping t	2	
0132.2M07500346p5646140	390	10:28	07:50:03.4	+56:46:14	300	90	3.0	#141 Mapping t	2	

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0133.COMP	12	10:35	07:50:03.4	+56:46:14	300	90	3.0	#141 Mapping t	2	
0134.2M07523829p5024061	540	10:37	07:52:38.2	+50:24:06	300	90	3.0	#141 Mapping t	2	
0135.COMP	12	10:46	07:52:38.2	+50:24:06	300	90	3.0	#141 Mapping t	2	
0136.2M08010495+0419325	360	10:49	8:1:4.9	+04:19:32	300	90	3.0	#141 Mapping t	2	
0137.COMP	12	10:56	8:1:4.9	+04:19:32	300	90	3.0	#141 Mapping t	2	
0138.2M08025154-0455562	270	10:57	8:2:51.5	-04:55:56	300	90	3.0	#141 Mapping t	2	row=70, need more cnts
0139.COMP	12	11:02	8:2:51.5	-04:55:56	300	90	3.0	#141 Mapping t	2	
0140.2M08025154-0455562	480	11:03	8:2:51.5	-04:55:56	300	90	3.0	#141 Mapping t	2	
0141.COMP	12	11:11	8:2:51.5	-04:55:56	300	90	3.0	#141 Mapping t	2	
0142.2M08140802+6436403	540	11:14	8:14:8.0	+64:36:40	300	90	3.0	#141 Mapping t	2	emission
0143.COMP	12	11:23	8:14:8.0	+64:36:40	300	90	3.0	#141 Mapping t	2	
0144.2M08081646+0512583	300	11:25	8:8:16.4	+05:12:58	300	90	3.0	#141 Mapping t	2	
0145.COMP	12	11:31	8:8:16.4	+05:12:58	300	90	3.0	#141 Mapping t	2	
0146.Feige34	60	11:33	10:36:41.2	43:21:50	300	29	3.0	#56 Spectropho	2	
0147.Feige34	60	11:35	10:36:41.2	43:21:50	300	29	3.0	#56 Spectropho	2	
0148.COMP	12	11:36	10:36:41.2	43:21:50	300	29	3.0	#56 Spectropho	2	
0149.N3377	120	11:38	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0150.COMP	12	11:41	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0151.110930+03260	270	11:42	11:12:07.0	+03:08:34	300	90	3.0	#84f Updated Z	2	
0152.COMP	12	11:47	11:12:07.0	+03:08:34	300	90	3.0	#84f Updated Z	2	

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0153.111212-01510	480	11:48	11:14:46.3	-02:07:25	300	90	3.0	#84f Updated Z	2	
0154.COMP	12	11:57	11:14:46.3	-02:07:25	300	90	3.0	#84f Updated Z	2	
0155.111506-01020	540	11:58	11:17:39.4	-01:18:12	300	90	3.0	#84f Updated Z	2	
0156.COMP	12	12:07	11:17:39.4	-01:18:12	300	90	3.0	#84f Updated Z	2	
0157.111600-01500	420	12:08	11:18:34.8	-02:06:46	300	90	3.0	#84f Updated Z	2	
0158.COMP	12	12:15	11:18:34.8	-02:06:46	300	90	3.0	#84f Updated Z	2	
0159.111612-00050	1200	12:16	11:18:43.0	-00:21:43	300	90	3.0	#84f Updated Z	2	
0160.COMP	12	12:37	11:18:43.0	-00:21:43	300	90	3.0	#84f Updated Z	2	
0161.sn2004gk	1020	12:41	12:25:33.2	+12:15:39	300	-36	3.0	#2 SN Observat	2	
0162.COMP	12	12:58	12:25:33.2	+12:15:39	300	-36	3.0	#2 SN Observat	2	
0163.111636+73090	270	13:01	11:19:55.2	+72:52:55	300	90	3.0	#84f Updated Z	2	
0164.COMP	12	13:06	11:19:55.2	+72:52:55	300	90	3.0	#84f Updated Z	2	
0165.111730-01250	240	13:09	11:20:01.5	-01:41:07	300	90	3.0	#84f Updated Z	2	need more counts
0166.COMP	12	13:13	11:20:01.5	-01:41:07	300	90	3.0	#84f Updated Z	2	
0167.111730-01250	540	13:14	11:20:01.5	-01:41:07	300	90	3.0	#84f Updated Z	2	
0168.COMP	12	13:24	11:20:01.5	-01:41:07	300	90	3.0	#84f Updated Z	2	
0169-0178.BIAS	0	13:30	11:20:01.5	-01:41:07	300	90	3.0	#56 Spectropho	4	
0179-0188.FLAT	6	13:33	11:20:01.5	-01:41:07	300	90	3.0	#56 Spectropho	4	
0189-0198.BIAS	0	13:36	11:20:01.5	-01:41:07	300	90	3.0	#56 Spectropho	2	
0199-0208.FLAT	12	13:44	11:20:01.5	-01:41:07	300	90	3.0	#56 Spectropho	2	

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0209-0218.DARK	900	16:06	11:20:01.5	-01:41:07	300	90	3.0	#56 Spectropho	2	