

UT Date 2004-12-09 Observers M CalkinsColl. Focus 953 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	23:33	21:36:30.2	+31:28:28	300	90	3.0	#56 Spectropho	4	
0002.DARK	900	23:48	21:51:39.6	+31:28:24	300	90	3.0	#56 Spectropho	4	
0003.DARK	900	0:03	22:06:49.4	+31:28:20	300	90	3.0	#56 Spectropho	4	
0004.DARK	900	0:18	22:21:56.0	+31:28:17	300	90	3.0	#56 Spectropho	4	
0005.DARK	900	0:33	22:37:04.8	+31:28:14	300	90	3.0	#56 Spectropho	4	
0006.DARK	900	0:49	22:52:14.7	+31:28:11	300	90	3.0	#56 Spectropho	4	
0007-0016.BIAS	0	1:05	22:53:31.1	+31:28:11	300	90	3.0	#56 Spectropho	4	
0017-0019.FLAT	6	1:07	22:55:51.3	+31:28:11	300	90	3.0	#56 Spectropho	4	
0020-0026.FLAT	6	1:09	22:57:17.0	+31:28:10	300	90	3.0	#56 Spectropho	4	
0027-0036.BIAS	0	1:12	23:00:44.6	+31:28:10	300	90	3.0	#56 Spectropho	2	
0037-0041.FLAT	12	1:14	23:02:52.6	+31:28:10	300	90	3.0	#56 Spectropho	2	
0042-0046.FLAT	12	1:16	23:04:55.6	+31:28:09	300	90	3.0	#56 Spectropho	2	
0047.BDp284211	60	1:29	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	4	
0048.COMP	5	1:30	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	4	
0049.BDp284211	60	1:31	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0050.COMP	12	1:33	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0051.BDp174708	20	1:35	22:11:31.4	18:05:34	300	46	3.0	#56 Spectropho	2	
0052.COMP	12	1:36	22:11:31.4	18:05:34	300	46	3.0	#56 Spectropho	2	
0053.BDp174708	20	1:37	22:11:31.4	18:05:34	300	46	3.0	#56 Spectropho	4	
0054.COMP	5	1:37	22:11:31.4	18:05:34	300	46	3.0	#56 Spectropho	4	



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0055.sn2004fu	900	2:16	20:35:11.6	+64:48:26	300	110	3.0	#2 SN Observat	2	
0056.COMP	12	2:33	20:35:11.6	+64:48:26	300	110	3.0	#2 SN Observat	2	
0057.sn2004gf	1200	2:38	21:57:52.3	42:18:57	300	98	3.0	#2 SN Observat	2	row=78
0058.COMP	12	2:58	21:57:52.3	42:18:57	300	98	3.0	#2 SN Observat	2	
0059.2572-18	900	3:02	23:16:16.5	+19:09:46	300	90	3.0	#64 Galaxy For	2	
0060.COMP	12	3:20	23:16:16.5	+19:09:46	300	90	3.0	#64 Galaxy For	2	
0061.2572-19	960	3:21	23:20:40.7	+19:10:36	300	90	3.0	#64 Galaxy For	2	
0062.COMP	12	3:37	23:20:40.7	+19:10:36	300	90	3.0	#64 Galaxy For	2	
0063.2572-20	1200	3:38	23:18:50.0	+19:10:53	300	90	3.0	#64 Galaxy For	2	
0064.2572-20	1200	4:01	23:18:50.0	+19:10:53	300	90	3.0	#64 Galaxy For	2	
0065.COMP	12	4:21	23:18:50.0	+19:10:53	300	90	3.0	#64 Galaxy For	2	
0066.2572-21	900	4:22	23:17:26.7	+19:12:10	300	90	3.0	#64 Galaxy For	2	
0067.COMP	12	4:39	23:17:26.7	+19:12:10	300	90	3.0	#64 Galaxy For	2	
0068.2572-22	600	4:40	23:17:31.6	+19:12:26	300	90	3.0	#64 Galaxy For	2	
0069.COMP	12	4:51	23:17:31.6	+19:12:26	300	90	3.0	#64 Galaxy For	2	
0070.2572-23	480	4:52	23:17:14.1	+19:17:54	300	90	3.0	#64 Galaxy For	2	
0071.COMP	12	5:01	23:17:14.1	+19:17:54	300	90	3.0	#64 Galaxy For	2	
0072.2572-24	540	5:02	23:19:41.1	+19:18:57	300	90	3.0	#64 Galaxy For	2	
0073.COMP	12	5:12	23:19:41.1	+19:18:57	300	90	3.0	#64 Galaxy For	2	
0074.2572-25	900	5:13	23:17:49.5	+19:20:07	300	90	3.0	#64 Galaxy For	2	

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0075.COMP	12	5:28	23:17:49.5	+19:20:07	300	90	3.0	#64 Galaxy For	2	
0076.2589-01	780	5:30	23:22:45.4	+16:13:10	300	90	3.0	#64 Galaxy For	2	row=76
0077.COMP	12	5:43	23:22:45.4	+16:13:10	300	90	3.0	#64 Galaxy For	2	
0078.2589-02	780	5:44	23:24:53.5	+16:19:26	300	90	3.0	#64 Galaxy For	2	
0079.COMP	12	5:58	23:24:53.5	+16:19:26	300	90	3.0	#64 Galaxy For	2	
0080.sn2004ge	1500	6:04	06:50:00.1	25:38:02	300	110	3.0	#2 SN Observat	2	row=80
0081.COMP	12	6:30	06:50:00.1	25:38:02	300	110	3.0	#2 SN Observat	2	
0082.sn2004ge	1200	6:32	06:50:00.1	25:38:02	300	20	3.0	#2 SN Observat	2	row=78
0083.COMP	12	6:52	06:50:00.1	25:38:02	300	20	3.0	#2 SN Observat	2	
0084.hs3585	582	7:00	3:06:41.2	12:40:00	600	90	2.0	#122 Halo Star	4	possible clouds, 600L, tilt=440, 2arcsec
0085.COMP	10	7:10	3:06:41.2	12:40:00	600	90	2.0	#122 Halo Star	4	
0086.hs3585	600	7:12	3:06:41.2	12:40:00	600	90	2.0	#122 Halo Star	4	
0087.COMP	10	7:22	3:06:41.2	12:40:00	600	90	2.0	#122 Halo Star	4	
0088.hs3586	408	7:23	3:07:42.7	7:22:24	600	90	2.0	#122 Halo Star	4	
0089.COMP	10	7:31	3:07:42.7	7:22:24	600	90	2.0	#122 Halo Star	4	
0090.hs3587	630	7:32	3:07:44.6	11:12:18	600	90	2.0	#122 Halo Star	4	
0091.COMP	10	7:43	3:07:44.6	11:12:18	600	90	2.0	#122 Halo Star	4	
0092.hs3588	150	7:44	3:09:08.4	10:53:59	600	100	2.0	#122 Halo Star	4	
0093.COMP	10	7:47	3:09:08.4	10:53:59	600	100	2.0	#122 Halo Star	4	
0094.hs3589	750	7:48	3:09:10.4	9:45:48	600	90	2.0	#122 Halo Star	4	

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0095.COMP	10	8:01	3:09:10.4	9:45:48	600	90	2.0	#122 Halo Star	4	
0096.hs3590	210	8:04	3:09:20.1	14:57:21	600	90	2.0	#122 Halo Star	4	
0097.COMP	10	8:08	3:09:20.1	14:57:21	600	90	2.0	#122 Halo Star	4	
0098.hs3592	282	8:10	3:10:09.7	14:25:04	600	90	2.0	#122 Halo Star	4	
0099.COMP	10	8:15	3:10:09.7	14:25:04	600	90	2.0	#122 Halo Star	4	
0100.hs3593	468	8:16	3:11:01.3	6:43:43	600	90	2.0	#122 Halo Star	4	
0101.COMP	10	8:24	3:11:01.3	6:43:43	600	90	2.0	#122 Halo Star	4	
0102.hs3594	384	8:25	3:11:41.5	5:55:51	600	90	2.0	#122 Halo Star	4	
0103.COMP	10	8:32	3:11:41.5	5:55:51	600	90	2.0	#122 Halo Star	4	
0104.hs3595	438	8:33	3:12:18.6	13:34:08	600	90	2.0	#122 Halo Star	4	
0105.COMP	10	8:41	3:12:18.6	13:34:08	600	90	2.0	#122 Halo Star	4	
0106.hs3597	600	8:42	3:12:37.3	13:55:41	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	8:52	3:12:37.3	13:55:41	600	90	2.0	#122 Halo Star	4	
0108.hs3598	780	8:53	3:13:39.1	12:00:24	600	90	2.0	#122 Halo Star	4	
0109.COMP	10	9:07	3:13:39.1	12:00:24	600	90	2.0	#122 Halo Star	4	
0110.hs3763	324	9:08	3:52:39.9	3:25:33	600	90	2.0	#122 Halo Star	4	need more cnts
0111.COMP	10	9:14	3:52:39.9	3:25:33	600	90	2.0	#122 Halo Star	4	
0112.hs3763	480	9:15	3:52:39.9	3:25:33	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	9:23	3:52:39.9	3:25:33	600	90	2.0	#122 Halo Star	4	
0114.Hiltner600	60	9:25	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	

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0115.COMP	10	9:26	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	
0116-0125.FLAT	24	9:32	06:42:37.2	02:11:25	600	90	2.0	#2 SN Observat	4	
0126.Hiltner600	60	9:47	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	combo setup
0127.COMP	5	9:49	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0128.Hiltner600	60	9:51	06:42:37.2	02:11:25	300	22	3.0	#56 Spectropho	2	
0129.COMP	12	9:53	06:42:37.2	02:11:25	300	22	3.0	#56 Spectropho	2	
0130.BGGem	300	9:56	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0131.COMP	12	10:03	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0132.BGGem	1200	10:04	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0133.COMP	12	10:25	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0134.NGC2264_14	300	10:26	6:41:0.5	9:29:16	300	90	3.0	#89 Ae/Be star	2	
0135.COMP	12	10:32	6:41:0.5	9:29:16	300	90	3.0	#89 Ae/Be star	2	
0136.NGC2264_15	420	10:34	6:41:0.7	9:51:22	300	90	3.0	#89 Ae/Be star	2	
0137.COMP	12	10:42	6:41:0.7	9:51:22	300	90	3.0	#89 Ae/Be star	2	
0138.NGC2264_16	420	10:43	6:41:0.9	9:32:44	300	90	3.0	#89 Ae/Be star	2	
0139.COMP	12	10:51	6:41:0.9	9:32:44	300	90	3.0	#89 Ae/Be star	2	
0140.NGC2264_17	600	11:00	6:41:1.4	9:34:8	300	90	3.0	#89 Ae/Be star	2	
0141.COMP	12	11:11	6:41:1.4	9:34:8	300	90	3.0	#89 Ae/Be star	2	
0142.NGC2264_18	480	11:12	6:41:1.6	9:48:23	300	90	3.0	#89 Ae/Be star	2	
0143.COMP	12	11:20	6:41:1.6	9:48:23	300	90	3.0	#89 Ae/Be star	2	

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0144.NGC2264_20	780	11:25	6:41:1.8	9:38:41	300	90	3.0	#89 Ae/Be star	2	
0145.COMP	12	11:38	6:41:1.8	9:38:41	300	90	3.0	#89 Ae/Be star	2	
0146.2M06030578p4854424	480	11:40	06:03:05.7	+48:54:42	300	90	3.0	#141 Mapping t	2	
0147.COMP	12	11:49	06:03:05.7	+48:54:42	300	90	3.0	#141 Mapping t	2	
0148.2M06055870p5403098	600	11:50	06:05:58.7	+54:03:10	300	90	3.0	#141 Mapping t	2	
0149.COMP	12	12:01	06:05:58.7	+54:03:10	300	90	3.0	#141 Mapping t	2	
0150.2M07562119p0234422	420	12:03	07:56:21.1	+02:34:42	300	90	3.0	#141 Mapping t	2	
0151.COMP	12	12:10	07:56:21.1	+02:34:42	300	90	3.0	#141 Mapping t	2	
0152.2M07562797p6101226	630	12:12	07:56:27.9	+61:01:22	300	90	3.0	#141 Mapping t	2	
0153.COMP	12	12:23	07:56:27.9	+61:01:22	300	90	3.0	#141 Mapping t	2	
0154.sn2004gk	600	12:27	12:25:33.2	+12:15:39	300	-40	3.0	#2 SN Observat	2	
0155.COMP	12	12:38	12:25:33.2	+12:15:39	300	-40	3.0	#2 SN Observat	2	
0156.Feige34	60	12:40	10:36:41.2	43:21:50	300	10	3.0	#56 Spectropho	2	
0157.COMP	12	12:42	10:36:41.2	43:21:50	300	10	3.0	#56 Spectropho	2	
0158.N3227	150	12:45	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0159.N3227	150	12:48	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0160.COMP	12	12:51	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0161.MRK421	300	12:52	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0162.MRK421	300	12:57	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0163.MRK421	300	13:02	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	

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0164.COMP	12	13:08	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0165.N4151	30	13:09	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0166.N4151	30	13:10	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0167.COMP	12	13:11	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0168.N3377	70	13:13	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0169.COMP	12	13:15	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0170-0179.BIAS	0	13:19	10:45:02.6	+14:14:51	300	90	3.0	#56 Spectropho	4	
0180-0189.FLAT	6	13:24	10:45:02.6	+14:14:51	300	90	3.0	#56 Spectropho	4	
0190-0199.BIAS	0	13:27	10:45:02.6	+14:14:51	300	90	3.0	#56 Spectropho	2	
0200-0209.FLAT	12	13:33	10:45:02.6	+14:14:51	300	90	3.0	#56 Spectropho	2	
0210-0219.DARK	900	15:54	10:45:02.6	+14:14:51	300	90	3.0	#56 Spectropho	2	