

UT Date 2004-04-19 Observers W. BrownColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	1:12	07:38:08.3	+31:30:16	300	90	3.0	#0 Calibration	4	binby4 x10
0002-0010.BIAS	0	1:13	07:39:12.5	+31:30:16	300	90	3.0	#0 Calibration	4	
0011.BIAS	0	1:13	07:39:29.7	+31:30:16	300	90	3.0	#0 Calibration	2	binby2 x10
0012-0015.BIAS	0	1:14	07:40:24.2	+31:30:16	300	90	3.0	#0 Calibration	2	
0016-0020.BIAS	0	1:15	07:41:28.1	+31:30:17	300	90	3.0	#0 Calibration	2	
0021-0024.FLAT	16	1:26	07:52:35.9	+31:30:20	300	90	3.0	#0 Calibration	2	
0025-0030.FLAT	16	1:29	07:55:26.2	+31:30:21	300	90	3.0	#0 Calibration	2	
0031-0033.SKY	1	2:00	6:30:0	31:30:0	300	90	3.0	#57 Velocity S	2	
0034.COMP	10	2:00	6:30:0	31:30:0	300	90	3.0	#57 Velocity S	2	
0035.FineFoc	60	2:37	09:00:05.4	31:28:18	300	90	3.0	#56 Spectropho	1	seeing 1-2
0036.HD84937	15	2:47	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0037.HD84937	15	2:48	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0038.COMP	10	2:49	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0039.Feige34	150	2:53	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0040.Feige34	150	2:58	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0041.COMP	10	3:01	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0042.sn2004bg	1080	3:34	11:21:01.5	+21:20:23	300	-50	3.0	#2 SN Observat	2	
0043.COMP	10	3:52	11:21:01.5	+21:20:23	300	-50	3.0	#2 SN Observat	2	
0044.BIAS	0	4:03	11:25:39.1	+22:49:49	300	45	3.0	#2 SN Observat	2	
0045.BIAS	0	4:06	11:25:37.6	+22:53:56	300	45	3.0	#2 SN Observat	2	

UT Date 2004-04-19 Observers W. BrownColl. Focus 1020 Grating/Grism 600

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0046.BIAS	0	4:13	11:25:37.6	+22:53:56	300	45	3.0	#2 SN Observat	2	ok
0047.HD84937	15	4:29	09:48:56.1	13:44:39	300	40	3.0	#56 Spectropho	4	binby4 tiltpos=695
0048.COMP	5	4:29	09:48:56.1	13:44:39	300	40	3.0	#56 Spectropho	4	
0049.B20738+31	1200	4:38	07:41:10.7	+31:11:59	300	76	3.0	#151 AGN Emiss	4	
0050.COMP	5	4:57	07:41:10.7	+31:11:59	300	76	3.0	#151 AGN Emiss	4	
0051.4C23.24	1800	5:00	10:14:47.1	+23:01:15	300	76	3.0	#151 AGN Emiss	4	
0052.COMP	5	5:30	10:14:47.1	+23:01:15	300	76	3.0	#151 AGN Emiss	4	
0053.3C263	1200	5:37	11:39:57.1	+65:47:49	300	-10	3.0	#151 AGN Emiss	4	
0054.COMP	5	5:57	11:39:57.1	+65:47:49	300	-10	3.0	#151 AGN Emiss	4	
0055-0064.FLAT	8	6:00	11:39:57.1	+65:47:49	300	-10	3.0	#151 AGN Emiss	4	
0065.sn2004as	1200	6:05	11:25:39.1	+22:49:49	300	57	3.0	#2 SN Observat	2	did qfast in data dir
0066.COMP	10	6:26	11:25:39.1	+22:49:49	300	57	3.0	#2 SN Observat	2	
0067.sn2004bd	1200	6:29	11:39:42.1	+31:54:31	300	110	3.0	#2 SN Observat	2	did qfast in data dir
0068.COMP	10	6:49	11:39:42.1	+31:54:31	300	110	3.0	#2 SN Observat	2	
0069.BDp332642	40	6:55	15:50:03.0	33:05:49	300	95	5.0	#56 Spectropho	2	5 arcsec slit
0070.BDp332642	40	6:56	15:50:03.0	33:05:49	300	95	5.0	#56 Spectropho	2	
0071.BDp332642	40	6:57	15:50:03.0	33:05:49	300	95	5.0	#56 Spectropho	2	did qfast in data dir
0072.COMP	5	6:58	15:50:03.0	33:05:49	300	95	5.0	#56 Spectropho	2	
0073-0082.FLAT	7	7:02	15:50:03.0	33:05:49	300	95	5.0	#56 Spectropho	2	
0083.BDp332642	40	7:07	15:50:03.0	33:05:49	600	95	2.0	#56 Spectropho	4	600 line grating 2 arcsec slit

UT Date 2004-04-19 Observers W. BrownColl. Focus 1020 Grating/Grism 600

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0084.COMP	10	7:08	15:50:03.0	33:05:49	600	95	2.0	#56 Spectropho	4	
0085.hs2444	174	7:12	13:05:54.4	64:38:56	600	90	2.0	#122 Halo Star	4	
0086.COMP	10	7:15	13:05:54.4	64:38:56	600	90	2.0	#122 Halo Star	4	
0087.hs2447	324	7:16	13:06:29.1	65:00:57	600	90	2.0	#122 Halo Star	4	
0088.COMP	10	7:22	13:06:29.1	65:00:57	600	90	2.0	#122 Halo Star	4	
0089.hs2448	546	7:27	13:07:15.6	77:10:44	600	90	2.0	#122 Halo Star	4	
0090.COMP	10	7:36	13:07:15.6	77:10:44	600	90	2.0	#122 Halo Star	4	
0091.hs2442	552	7:38	13:05:37.3	73:30:18	600	90	2.0	#122 Halo Star	4	
0092.COMP	10	7:47	13:05:37.3	73:30:18	600	90	2.0	#122 Halo Star	4	
0093.hs2451	576	7:48	13:07:42.5	63:38:52	600	90	2.0	#122 Halo Star	4	
0094.COMP	5	7:58	13:07:42.5	63:38:52	600	90	2.0	#122 Halo Star	4	
0095.hs2450	318	7:59	13:07:39.7	56:56:04	600	90	2.0	#122 Halo Star	4	
0096.COMP	10	8:05	13:07:39.7	56:56:04	600	90	2.0	#122 Halo Star	4	
0097.hs2449	576	8:06	13:07:24.2	54:17:04	600	90	2.0	#122 Halo Star	4	
0098.COMP	5	8:16	13:07:24.2	54:17:04	600	90	2.0	#122 Halo Star	4	
0099.hs2446	180	8:17	13:06:17.8	52:06:12	600	90	2.0	#122 Halo Star	4	
0100.COMP	10	8:20	13:06:17.8	52:06:12	600	90	2.0	#122 Halo Star	4	
0101.hs2445	354	8:21	13:06:10.6	47:38:12	600	90	2.0	#122 Halo Star	4	
0102.COMP	10	8:27	13:06:10.6	47:38:12	600	90	2.0	#122 Halo Star	4	
0103.hs2452	390	8:28	13:07:48.3	43:31:32	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-19 Observers W. BrownColl. Focus 1020 Grating/Grism 600

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0104.COMP	10	8:35	13:07:48.3	43:31:32	600	90	2.0	#122 Halo Star	4	
0105.hs2443	486	8:37	13:05:48.1	37:18:56	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	8:45	13:05:48.1	37:18:56	600	90	2.0	#122 Halo Star	4	
0107.hs2710	280	8:54	14:52:45.9	80:05:32	600	90	2.0	#122 Halo Star	4	
0108.COMP	10	8:58	14:52:45.9	80:05:32	600	90	2.0	#122 Halo Star	4	
0109.hs2706	300	9:00	14:50:40.3	78:34:14	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	9:05	14:50:40.3	78:34:14	600	90	2.0	#122 Halo Star	4	
0111.hs2707	246	9:06	14:50:46.6	78:53:23	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	9:11	14:50:46.6	78:53:23	600	90	2.0	#122 Halo Star	4	
0113.hs2715	246	9:13	14:56:14.0	73:55:33	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	9:17	14:56:14.0	73:55:33	600	90	2.0	#122 Halo Star	4	
0115.hs2716	522	9:18	14:56:18.4	71:42:11	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	9:27	14:56:18.4	71:42:11	600	90	2.0	#122 Halo Star	4	
0117.hs2714	552	9:28	14:54:09.7	70:49:39	600	90	2.0	#122 Halo Star	4	clouds coming in
0118.COMP	5	9:38	14:54:09.7	70:49:39	600	90	2.0	#122 Halo Star	4	
0119.hs2720	400	9:39	14:57:55.1	69:15:37	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	9:46	14:57:55.1	69:15:37	600	90	2.0	#122 Halo Star	4	
0121.hs2717	420	9:48	14:56:20.4	64:56:49	600	90	2.0	#122 Halo Star	4	clouds getting thicker
0122.COMP	10	9:55	14:56:20.4	64:56:49	600	90	2.0	#122 Halo Star	4	
0123.hs2718	600	9:57	14:56:42.9	61:21:46	600	90	2.0	#122 Halo Star	4	

UT Date 2004-04-19 Observers W. BrownColl. Focus 1020 Grating/Grism 600

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0124.COMP	10	10:08	14:56:42.9	61:21:46	600	90	2.0	#122 Halo Star	4	
0125.hs2718	600	10:08	14:56:42.9	61:21:46	600	90	2.0	#122 Halo Star	4	heavy cloud cover
0126.hs2719	600	10:20	14:57:15.7	61:16:39	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	10:30	14:57:15.7	61:16:39	600	90	2.0	#122 Halo Star	4	
0129.FLAT	20	11:16	14:57:15.7	61:16:39	600	90	2.0	#122 Halo Star	4	x15
0130-0143.FLAT	20	11:23	14:57:15.7	61:16:39	600	90	2.0	#122 Halo Star	4	
0144.BIAS	0	11:26	14:57:15.7	61:16:39	600	90	2.0	#122 Halo Star	4	x10
0145-0153.BIAS	0	11:27	14:57:15.7	61:16:39	600	90	2.0	#122 Halo Star	4	
0154.BIAS	0	11:28	14:57:15.7	61:16:39	600	90	2.0	#0 Calibration	2	x10
0155-0163.BIAS	0	11:30	14:57:15.7	61:16:39	600	90	2.0	#0 Calibration	2	
0164-0173.DARK	900	13:52	14:57:15.7	61:16:39	600	90	2.0	#0 Calibration	4	
0174-0183.DARK	900	16:25	14:57:15.7	61:16:39	600	90	2.0	#0 Calibration	2	