

UT Date 2005-09-24 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	23:36	16:38:39.1	+31:30:24	300	90	3.0	#57 Velocity S	2	start of FAST run
0002.DARK	900	23:51	16:53:54.9	+31:30:17	300	90	3.0	#57 Velocity S	2	
0003.DARK	900	0:06	17:09:10.5	+31:30:10	300	90	3.0	#57 Velocity S	2	
0004.BIAS	0	1:06	17:53:52.2	+31:29:48	300	90	3.0	#57 Velocity S	2	
0005-0011.BIAS	0	1:21	18:09:13.1	+31:29:41	300	90	3.0	#57 Velocity S	4	
0012-0014.BIAS	0	1:21	18:09:34.7	+31:29:40	300	90	3.0	#57 Velocity S	4	
0015-0018.FLAT	8	1:23	18:10:57.1	+31:29:40	300	90	3.0	#57 Velocity S	4	
0019-0024.FLAT	8	1:25	18:12:58.8	+31:29:39	300	90	3.0	#57 Velocity S	4	
0025.BIAS	0	1:25	18:13:15.9	+31:29:39	300	90	3.0	#57 Velocity S	2	ok
0026-0034.BIAS	0	1:27	18:15:13.0	+31:29:38	300	90	3.0	#57 Velocity S	2	
0035-0037.FLAT	16	1:28	18:16:48.9	+31:29:37	300	90	3.0	#57 Velocity S	2	
0038-0041.FLAT	16	1:30	18:18:50.6	+31:29:36	300	90	3.0	#57 Velocity S	2	
0042-0046.FLAT	16	1:33	18:21:22.1	+31:29:35	300	90	3.0	#57 Velocity S	2	
0047-0050.FLAT	16	1:35	18:23:23.8	+31:29:34	300	90	3.0	#57 Velocity S	2	
0051-0054.FLAT	16	1:37	18:25:25.4	+31:29:33	300	90	3.0	#57 Velocity S	2	
0055.FLAT	16	1:37	18:25:55.7	+31:29:32	300	90	3.0	#57 Velocity S	2	
0056.COMP	10	1:44	18:32:04.7	+31:29:29	300	90	3.0	#57 Velocity S	2	
0057.TCrB	15	2:28	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0058.TCrB	60	2:29	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0059.COMP	5	2:30	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	

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0060.AGDra	2	2:32	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0061.AGDra	15	2:33	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0062.AGDra	1	2:34	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0063.COMP	5	2:35	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0064.YYHer	10	2:37	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0065.YYHer	60	2:37	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0066.YYHer	180	2:39	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0067.COMP	5	2:42	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0068.RSOph	10	2:45	17:50:13	-06:42:30	300	31	3.0	#12 Symbiotic	4	
0069.RSOph	60	2:46	17:50:13	-06:42:30	300	31	3.0	#12 Symbiotic	4	
0070.RSOph	150	2:47	17:50:13	-06:42:30	300	31	3.0	#12 Symbiotic	4	
0071.COMP	5	2:50	17:50:13	-06:42:30	300	31	3.0	#12 Symbiotic	4	
0072.V443Her	5	2:52	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0073.V443Her	45	2:53	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0074.V443Her	90	2:54	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0075.COMP	5	2:55	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0076.BFCyg	1	2:56	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0077.BFCyg	4	2:57	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0078.BFCyg	60	2:58	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0079.COMP	5	2:59	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	

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0080.CHCyg	1	3:00	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0081.CHCyg	5	3:01	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0082.CHCyg	30	3:01	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0083.COMP	5	3:02	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0084.CICyg	2	3:03	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0085.CICyg	20	3:03	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0086.CICyg	60	3:03	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0087.COMP	5	3:05	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0088.novaher	900	3:10	18:39:26	+26:04:10	300	45	3.0	#2 SN Observat	2	
0089.COMP	10	3:25	18:39:26	+26:04:10	300	45	3.0	#2 SN Observat	2	
0090.2M16581289-0038034andWc omp	1200	3:31	16:58:12.9	-00:38:3	300	90	3.0	#141 Mapping t	2	faint comp gal to west at row 68
0091.COMP	10	3:52	16:58:12.9	-00:38:3	300	90	3.0	#141 Mapping t	2	4.2cmomp
0092.2M19451316-0649078900 3:55 19:45:13.1-06:49:730090 3.0 #141 Mapping t4										
0093.COMP5 4:11 19:45:13.1-06:49:730090 3.0 #141 Mapping t4										
0094.2M19494202+0318137240 4:15 19:49:42.0+03:18:1330090 3.0 #141 Mapping t4 agn										
0095.COMP5 4:20 19:49:42.0+03:18:1330090 3.0 #141 Mapping t4										
0096.2M20313312-0705014240 4:23 20:31:33.1-07:05:130090 3.0 #141 Mapping t2 gal superposed underneath PN, see DSS										
0097.COMP10 4:28 20:31:33.1-07:05:130090 3.0 #141 Mapping t2 ignore strong em lines at 0 velocity										
0098.2M20332212-0218105360 4:31 20:33:22.1-02:18:1030090 3.0 #141 Mapping t4										
0099.COMP5 4:38 20:33:22.1-02:18:1030090 3.0 #141 Mapping t4										

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0100.2M20363988-0906341	480	4:40	20:36:39.9	-09:06:34	300	90	3.0	#141 Mapping t	2	
0101.COMP	5	4:48	20:36:39.9	-09:06:34	300	90	3.0	#141 Mapping t	2	
0102.2M20380158-0202179	720	4:49	20:38:1.5	-02:02:18	300	90	3.0	#141 Mapping t	2	
0103.COMP	10	5:01	20:38:1.5	-02:02:18	300	90	3.0	#141 Mapping t	2	
0104.BDp284211	90	5:05	21:51:11.1	28:51:53	300	0	3.0	#56 Spectropho	2	
0105.BDp284211	90	5:07	21:51:11.1	28:51:53	300	0	3.0	#56 Spectropho	2	
0106.BDp284211	90	5:09	21:51:11.1	28:51:53	300	0	3.0	#56 Spectropho	2	
0107.COMP	10	5:12	21:51:11.1	28:51:53	300	0	3.0	#56 Spectropho	2	
0108.BDp174708	45	5:15	22:11:31.4	18:05:33	300	-5	3.0	#56 Spectropho	2	
0109.BDp174708	45	5:17	22:11:31.4	18:05:33	300	-5	3.0	#56 Spectropho	2	
0110.BDp174708	45	5:18	22:11:31.4	18:05:33	300	-5	3.0	#56 Spectropho	2	
0111.COMP	10	5:19	22:11:31.4	18:05:33	300	-5	3.0	#56 Spectropho	2	clouds
0112.N7331	240	5:34	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0113.N7331	240	5:38	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0114.COMP	5	5:42	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0115.test	10	5:48	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	changed to 2 arcsec aperture 600 grating
0116.BDp284211	120	5:49	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0117.BDp284211	120	5:51	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	5:54	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0119.hs3327	360	5:57	1:00:48.9	24:18:26	600	90	2.0	#122 Halo Star	4	

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0120.COMP	10	6:03	1:00:48.9	24:18:26	600	90	2.0	#122 Halo Star	4	
0121.hs3328	240	6:08	1:01:14.5	26:26:07	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	6:12	1:01:14.5	26:26:07	600	90	2.0	#122 Halo Star	4	
0123.hs3330	560	6:18	1:01:58.5	17:53:33	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	6:27	1:01:58.5	17:53:33	600	90	2.0	#122 Halo Star	4	
0125.hs3329	240	6:31	1:01:31.4	26:04:52	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	6:36	1:01:31.4	26:04:52	600	90	2.0	#122 Halo Star	4	
0127.hs3331	600	6:38	1:02:56.2	26:05:33	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	6:49	1:02:56.2	26:05:33	600	90	2.0	#122 Halo Star	4	
0129.hs3332	300	6:52	1:03:15.3	26:49:40	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	6:57	1:03:15.3	26:49:40	600	90	2.0	#122 Halo Star	4	
0131.hs3333	360	6:59	1:03:16.7	15:28:41	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	7:06	1:03:16.7	15:28:41	600	90	2.0	#122 Halo Star	4	
0133.hs3334	360	7:08	1:04:48.2	27:20:21	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	7:14	1:04:48.2	27:20:21	600	90	2.0	#122 Halo Star	4	
0135.hs3335	180	7:18	1:04:51.7	17:38:53	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	7:21	1:04:51.7	17:38:53	600	90	2.0	#122 Halo Star	4	
0137.hs3336	420	7:24	1:05:22.4	26:22:54	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	7:32	1:05:22.4	26:22:54	600	90	2.0	#122 Halo Star	4	
0139.hs3337	480	7:35	1:05:39.6	24:48:40	600	90	2.0	#122 Halo Star	4	

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0140.COMP	10	7:43	1:05:39.6	24:48:40	600	90	2.0	#122 Halo Star	4	
0141.hs3338	240	7:45	1:05:56.2	23:20:04	600	90	2.0	#122 Halo Star	4	
0142.COMP	10	7:50	1:05:56.2	23:20:04	600	90	2.0	#122 Halo Star	4	
0143.hs3339	540	7:52	1:06:52.1	19:45:56	600	110	2.0	#122 Halo Star	4	
0144.COMP	10	8:04	1:06:52.1	19:45:56	600	110	2.0	#122 Halo Star	4	
0145.hs3340	240	8:07	1:07:23.2	27:19:29	600	110	2.0	#122 Halo Star	4	
0146.COMP	10	8:11	1:07:23.2	27:19:29	600	110	2.0	#122 Halo Star	4	
0147.hs3341	180	8:15	1:09:00.8	16:15:02	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	8:19	1:09:00.8	16:15:02	600	90	2.0	#122 Halo Star	4	
0149.hs3342	420	8:22	1:09:46.7	24:32:18	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	8:29	1:09:46.7	24:32:18	600	90	2.0	#122 Halo Star	4	
0151.hs3343	300	8:31	1:12:03.7	20:24:40	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	8:39	1:12:03.7	20:24:40	600	90	2.0	#122 Halo Star	4	
0153.hs3344	300	8:43	1:12:09.8	15:21:06	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	8:48	1:12:09.8	15:21:06	600	90	2.0	#122 Halo Star	4	
0155.hs3345	180	8:49	1:12:11.2	19:26:57	600	90	2.0	#122 Halo Star	4	
0156.COMP	10	8:52	1:12:11.2	19:26:57	600	90	2.0	#122 Halo Star	4	
0157.hs3346	300	8:53	1:12:25.3	18:43:59	600	90	2.0	#122 Halo Star	4	
0158.COMP	10	8:58	1:12:25.3	18:43:59	600	90	2.0	#122 Halo Star	4	
0159.hs3347	540	8:59	1:12:47.7	21:31:41	600	90	2.0	#122 Halo Star	4	

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0160.COMP	10	9:08	1:12:47.7	21:31:41	600	90	2.0	#122 Halo Star	4	
0161.hs3348	300	9:09	1:12:48.2	21:17:02	600	90	2.0	#122 Halo Star	4	
0162.COMP	10	9:14	1:12:48.2	21:17:02	600	90	2.0	#122 Halo Star	4	
0163.hs3349	330	9:15	1:13:13.1	19:10:01	600	90	2.0	#122 Halo Star	4	
0164.COMP	10	9:21	1:13:13.1	19:10:01	600	90	2.0	#122 Halo Star	4	
0165.hs3350	480	9:23	1:14:02.3	24:12:38	600	90	2.0	#122 Halo Star	4	
0166.COMP	10	9:31	1:14:02.3	24:12:38	600	90	2.0	#122 Halo Star	4	
0167.hs3351	480	9:32	1:14:03.3	20:38:30	600	90	2.0	#122 Halo Star	4	
0168.COMP	10	9:41	1:14:03.3	20:38:30	600	90	2.0	#122 Halo Star	4	
0169.hs3352	300	9:42	1:14:34.6	16:55:32	600	90	2.0	#122 Halo Star	4	
0170.COMP	10	9:47	1:14:34.6	16:55:32	600	90	2.0	#122 Halo Star	4	
0171.hs3353	240	9:48	1:14:40.7	20:03:34	600	90	2.0	#122 Halo Star	4	
0172.COMP	10	9:52	1:14:40.7	20:03:34	600	90	2.0	#122 Halo Star	4	
0173.hs3354	180	9:53	1:15:25.8	19:22:48	600	90	2.0	#122 Halo Star	4	
0174.COMP	10	9:56	1:15:25.8	19:22:48	600	90	2.0	#122 Halo Star	4	
0175.hs3355	300	9:57	1:15:45.4	26:36:32	600	90	2.0	#122 Halo Star	4	
0176.COMP	10	10:03	1:15:45.4	26:36:32	600	90	2.0	#122 Halo Star	4	
0177.hs3356	300	10:03	1:18:26.2	18:10:06	600	90	2.0	#122 Halo Star	4	
0178.COMP	10	10:09	1:18:26.2	18:10:06	600	90	2.0	#122 Halo Star	4	
0179.hs3357	600	10:12	1:18:51.3	23:36:19	600	90	2.0	#122 Halo Star	4	

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0180.COMP	10	10:22	1:18:51.3	23:36:19	600	90	2.0	#122 Halo Star	4	
0181.hs3358	180	10:23	1:18:57.3	27:26:23	600	90	2.0	#122 Halo Star	4	
0182.COMP	10	10:26	1:18:57.3	27:26:23	600	90	2.0	#122 Halo Star	4	
0183.hs3359	420	10:27	1:19:23.0	15:09:44	600	90	2.0	#122 Halo Star	4	
0184.COMP	10	10:35	1:19:23.0	15:09:44	600	90	2.0	#122 Halo Star	4	
0185.hs3360	300	10:36	1:20:28.2	25:46:59	600	90	2.0	#122 Halo Star	4	
0186.COMP	10	10:41	1:20:28.2	25:46:59	600	90	2.0	#122 Halo Star	4	
0187.hs3361	180	10:43	1:20:32.7	23:57:34	600	90	2.0	#122 Halo Star	4	
0188.COMP	10	10:46	1:20:32.7	23:57:34	600	90	2.0	#122 Halo Star	4	
0189.hs3362	300	10:48	1:20:50.8	24:07:23	600	90	2.0	#122 Halo Star	4	
0190.COMP	10	10:54	1:20:50.8	24:07:23	600	90	2.0	#122 Halo Star	4	
0191.hs3363	300	10:55	1:21:03.9	26:22:40	600	90	2.0	#122 Halo Star	4	
0192.COMP	10	11:00	1:21:03.9	26:22:40	600	90	2.0	#122 Halo Star	4	
0193.hs3365	360	11:02	1:22:06.2	21:50:18	600	90	2.0	#122 Halo Star	4	
0194.COMP	10	11:09	1:22:06.2	21:50:18	600	90	2.0	#122 Halo Star	4	
0195.hs3366	300	11:11	1:24:01.9	20:42:39	600	90	2.0	#122 Halo Star	4	
0196.COMP	10	11:16	1:24:01.9	20:42:39	600	90	2.0	#122 Halo Star	4	
0197.hs3367	240	11:18	1:24:14.4	26:31:36	600	90	2.0	#122 Halo Star	4	
0198.COMP	10	11:22	1:24:14.4	26:31:36	600	90	2.0	#122 Halo Star	4	
0199.hs3368	600	11:24	1:24:20.5	24:55:52	600	90	2.0	#122 Halo Star	4	

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0200.COMP	10	11:34	1:24:20.5	24:55:52	600	90	2.0	#122 Halo Star	4	
0201.hs3536	300	11:36	2:36:08.8	11:25:58	600	90	2.0	#122 Halo Star	4	
0202.COMP	10	11:41	2:36:08.8	11:25:58	600	90	2.0	#122 Halo Star	4	
0203.hs3537	420	11:42	2:36:37.5	8:04:35	600	90	2.0	#122 Halo Star	4	
0204.COMP	10	11:49	2:36:37.5	8:04:35	600	90	2.0	#122 Halo Star	4	
0205.hs3538	420	11:50	2:37:01.1	8:23:19	600	90	2.0	#122 Halo Star	4	
0206.COMP	10	11:57	2:37:01.1	8:23:19	600	90	2.0	#122 Halo Star	4	
0207.hs3539	360	11:58	2:37:21.0	5:33:04	600	90	2.0	#122 Halo Star	4	
0208.COMP	10	12:04	2:37:21.0	5:33:04	600	90	2.0	#122 Halo Star	4	
0209.hs3540	240	12:05	2:37:21.8	14:12:01	600	90	2.0	#122 Halo Star	4	
0210.COMP	10	12:09	2:37:21.8	14:12:01	600	90	2.0	#122 Halo Star	4	
0211-0220.FLAT	24	12:21	2:37:21.8	14:12:01	600	90	2.0	#122 Halo Star	4	
0221-0230.BIAS	0	12:24	2:37:21.8	14:12:01	600	90	2.0	#122 Halo Star	4	
0231.COMP	5	12:40	05:30:13.3	+31:29:31	300	90	3.0	#122 Halo Star	4	
0232.COMP	5	12:43	05:33:20.0	+31:29:33	300	90	3.0	#122 Halo Star	4	
0233.COMP	5	12:45	05:35:25.6	+31:29:34	300	90	3.0	#122 Halo Star	4	
0234.COMP	5	12:47	05:37:10.1	+31:29:35	300	90	3.0	#122 Halo Star	4	
0235.DARK	900	12:48	05:53:13.9	+31:29:43	300	90	3.0	#122 Halo Star	4	
0236.DARK	900	13:04	06:08:29.4	+31:29:50	300	90	3.0	#122 Halo Star	4	
0237.DARK	900	13:19	06:23:40.9	+31:29:58	300	90	3.0	#122 Halo Star	4	

UT Date 2005-09-24 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0238.DARK	900	13:34	06:38:52.9	+31:30:05	300	90	3.0	#122 Halo Star	4	
0239.DARK	900	13:49	06:54:04.6	+31:30:13	300	90	3.0	#122 Halo Star	4	
0240.DARK	900	14:04	07:09:16.4	+31:30:20	300	90	3.0	#122 Halo Star	4	
0241.DARK	900	14:19	07:24:31.7	+31:30:27	300	90	3.0	#122 Halo Star	4	
0242.DARK	900	14:35	07:39:43.6	+31:30:34	300	90	3.0	#122 Halo Star	4	
0243.DARK	900	14:50	07:54:55.5	+31:30:41	300	90	3.0	#122 Halo Star	4	
0244.DARK	900	15:05	08:10:07.4	+31:30:47	300	90	3.0	#122 Halo Star	4	
0245.DARK	900	15:20	08:25:23.2	+31:30:53	300	90	3.0	#122 Halo Star	2	
0246.DARK	900	15:35	08:40:43.0	+31:30:59	300	90	3.0	#122 Halo Star	2	
0247.DARK	900	15:51	08:55:59.4	+31:31:05	300	90	3.0	#122 Halo Star	2	
0248.DARK	900	16:06	09:11:15.9	+31:31:10	300	90	3.0	#122 Halo Star	2	
0249.DARK	900	16:21	09:26:35.8	+31:31:15	300	90	3.0	#122 Halo Star	2	
0250.DARK	900	16:36	09:41:52.3	+31:31:19	300	90	3.0	#122 Halo Star	2	
0251.DARK	900	16:52	09:57:12.1	+31:31:23	300	90	3.0	#122 Halo Star	2	
0252.DARK	900	17:07	10:12:28.5	+31:31:27	300	90	3.0	#122 Halo Star	2	
0253.DARK	900	17:22	10:27:45.2	+31:31:30	300	90	3.0	#122 Halo Star	2	
0254.DARK	900	17:37	10:43:05.2	+31:31:33	300	90	3.0	#122 Halo Star	2	