

UT Date 2001-01-24 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	900	0:25	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0008.BIAS	0	0:51	22:34:46.9	+34:09:43	300	90	3.0	Interactions	4	quite a bit of cirrus starting to filter in
0009-0020.BIAS	0	0:53	22:34:46.9	+34:09:43	300	90	3.0	Interactions	4	
0021-0030.FLAT	8	0:56	22:34:46.9	+34:09:43	300	90	3.0	Interactions	4	
0031.BIAS	0	0:56	22:34:46.9	+34:09:43	300	90	3.0	Interactions	2	Hi Susan!
0032-0040.BIAS	0	0:58	22:34:46.9	+34:09:43	300	90	3.0	Interactions	2	
0041-0050.FLAT	16	1:03	22:34:46.9	+34:09:43	300	90	3.0	Interactions	2	
0051-0055.sky	3	1:08	01:57:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	1:09	01:57:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.M32	30	1:33	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0058.M32	30	1:34	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0059.COMP	5	1:34	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0060.158m213	150	1:36	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	
0061.COMP	5	1:39	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	
0062.HD12623	5	1:40	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	4	
0063.HD12623	5	1:40	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	4	
0064.HD12623	5	1:40	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	4	
0065.COMP	5	1:41	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	4	
0066.022018p565850	360	1:42	02:20:18.7	+56:58:50	300	90	3.0	#83 H+Chi Per	4	
0067.022018p571205	300	1:49	02:20:18.2	+57:12:5	300	90	3.0	#83 H+Chi Per	4	

UT Date 2001-01-24 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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0068.COMP	5	1:54	02:20:18.2	+57:12:5	300	90	3.0	#83 H+Chi Per	4	
0069.022018p571232	420	1:55	02:20:18.3	+57:12:32	300	90	3.0	#83 H+Chi Per	4	
0070.022019p571519	360	2:02	02:20:19.7	+57:15:19	300	90	3.0	#83 H+Chi Per	4	
0071.COMP	5	2:08	02:20:19.7	+57:15:19	300	90	3.0	#83 H+Chi Per	4	
0072.022021p565856	360	2:09	02:20:21.5	+56:58:57	300	90	3.0	#83 H+Chi Per	4	
0073.022021p570234	420	2:16	02:20:21.2	+57:2:34	300	90	3.0	#83 H+Chi Per	4	
0074.COMP	5	2:23	02:20:21.2	+57:2:34	300	90	3.0	#83 H+Chi Per	4	
0075.022021p570721	480	2:23	02:20:21.5	+57:7:21	300	90	3.0	#83 H+Chi Per	4	
0076.022021p571126	360	2:32	02:20:21.2	+57:11:26	300	90	3.0	#83 H+Chi Per	4	
0077.COMP	5	2:38	02:20:21.2	+57:11:26	300	90	3.0	#83 H+Chi Per	4	
0078.BGGem	180	2:40	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0079.BGGem	900	2:43	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0080.COMP	10	2:59	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0081.022024p570905	300	3:02	02:20:24.7	+57:9:5	300	0	3.0	#83 H+Chi Per	4	PA=0 to avoid nearby stars
0082.022027p571459	360	3:07	02:20:27.5	+57:14:59	300	0	3.0	#83 H+Chi Per	4	
0083.COMP	5	3:14	02:20:27.5	+57:14:59	300	0	3.0	#83 H+Chi Per	4	
0084.022023p570904	120	3:14	02:20:23.7	+57:09:04	300	0	3.0	#83 h/chi Pers	4	
0085.022033p571848	90	3:17	02:20:33.1	+57:18:49	300	0	3.0	#83 h/chi Pers	4	
0086.COMP	5	3:19	02:20:33.1	+57:18:49	300	0	3.0	#83 h/chi Pers	4	
0087.022036p565842	120	3:19	02:20:36.6	+56:58:42	300	0	3.0	#83 h/chi Pers	4	

UT Date 2001-01-24 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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0088.022037p565841	90	3:21	02:20:37.8	+56:58:41	300	0	3.0	#83 h/chi Pers	4	
0089.COMP	5	3:23	02:20:37.8	+56:58:41	300	0	3.0	#83 h/chi Pers	4	
0090.022044p571842	90	3:24	02:20:44.8	+57:18:42	300	0	3.0	#83 h/chi Pers	4	clearing...
0091.022046p571836	100	3:26	02:20:46.1	+57:18:36	300	0	3.0	#83 h/chi Pers	4	
0092.COMP	5	3:28	02:20:46.1	+57:18:36	300	0	3.0	#83 h/chi Pers	4	
0093.022052p570122W	150	3:28	02:20:52.9	+57:01:22	300	0	3.0	#83 h/chi Pers	4	
0094.022052p570122E	210	3:31	02:20:52.9	+57:01:22	300	0	3.0	#83 h/chi Pers	4	
0095.COMP	5	3:35	02:20:52.9	+57:01:22	300	0	3.0	#83 h/chi Pers	4	
0096.022203p565802	180	3:36	02:22:03.5	+56:58:02	300	0	3.0	#83 h/chi Pers	4	PA still 0 to avoid stars, clearing up the lists
0097.022203p570909	60	3:39	02:22:03.7	+57:09:09	300	0	3.0	#83 h/chi Pers	4	
0098.COMP	5	3:41	02:22:03.7	+57:09:09	300	0	3.0	#83 h/chi Pers	4	
0099.022246p570239	540	3:42	02:22:46.3	+57:02:39	300	0	3.0	#83 h/chi Pers	4	
0100.022249p571454	300	3:51	02:22:50.0	+57:14:54	300	0	3.0	#83 h/chi Pers	4	
0101.COMP	5	3:57	02:22:50.0	+57:14:54	300	0	3.0	#83 h/chi Pers	4	
0102.021751p570527	420	3:58	02:17:51.7	+57:05:27	300	0	3.0	#83 h/chi Pers	4	
0103.021831p565908W	270	4:05	02:18:31.6	+56:59:08	300	0	3.0	#83 h/chi Pers	4	
0104.021831p565908E	270	4:10	02:18:31.6	+56:59:08	300	0	3.0	#83 h/chi Pers	4	
0105.COMP	5	4:15	02:18:31.6	+56:59:08	300	0	3.0	#83 h/chi Pers	4	
0106.021905p570728	480	4:16	02:19:05.5	+57:07:28	300	0	3.0	#83 h/chi Pers	4	v. crowded field; no clean sky on east side of target
0107.021948p571943	480	4:24	02:19:48.9	+57:19:43	300	0	3.0	#83 h/chi Pers	4	

UT Date 2001-01-24 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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0108.COMP	5	4:33	02:19:48.9	+57:19:43	300	0	3.0	#83 h/chi Pers	4	
0109.021916p571019	720	4:34	02:19:16.7	+57:10:19	300	0	3.0	#83 h/chi Pers	4	
0110.COMP	5	4:46	02:19:16.7	+57:10:19	300	0	3.0	#83 h/chi Pers	4	
0111.a496_426	720	4:53	04:22:27.5	-12:53:14	300	90	3.0	#64 Cluster In	4	
0112.COMP	5	5:05	04:22:27.5	-12:53:14	300	90	3.0	#64 Cluster In	4	
0113.a496_422	600	5:06	04:29:04.8	-12:22:53	300	90	3.0	#64 Cluster In	4	
0114.COMP	5	5:16	04:29:04.8	-12:22:53	300	90	3.0	#64 Cluster In	4	
0115.a496_434	360	5:17	04:43:13.0	-15:09:33	300	90	3.0	#64 Cluster In	4	
0116.COMP	5	5:23	04:43:13.0	-15:09:33	300	90	3.0	#64 Cluster In	4	
0117.a496_436	360	5:24	04:24:14.5	-10:41:12	300	90	3.0	#64 Cluster In	4	
0118.COMP	5	5:30	04:24:14.5	-10:41:12	300	90	3.0	#64 Cluster In	4	
0119.a496_439	600	5:31	04:37:51.9	-14:20:58	300	90	3.0	#64 Cluster In	4	
0120.COMP	5	5:41	04:37:51.9	-14:20:58	300	90	3.0	#64 Cluster In	4	
0121.a496_442	900	5:42	04:25:49.4	-12:13:29	300	90	3.0	#64 Cluster In	4	
0122.COMP	5	5:57	04:25:49.4	-12:13:29	300	90	3.0	#64 Cluster In	4	
0123.a496_446	360	5:58	04:34:53.8	-10:10:55	300	90	3.0	#64 Cluster In	4	a few clouds passing through
0124.COMP	5	6:05	04:34:53.8	-10:10:55	300	90	3.0	#64 Cluster In	4	
0125.a496_451	900	6:05	04:31:55.4	-10:00:30	300	90	3.0	#64 Cluster In	4	
0126.COMP	5	6:21	04:31:55.4	-10:00:30	300	90	3.0	#64 Cluster In	4	
0127.Hiltner600	60	6:23	06:45:12.0	+02:06:00	300	12	3.0	#56 Photometri	2	

UT Date 2001-01-24 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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0128.Hiltner600	60	6:24	06:45:12.0	+02:06:00	300	12	3.0	#56 Photometri	2	
0129.COMP	10	6:26	06:45:12.0	+02:06:00	300	12	3.0	#56 Photometri	2	
0130.vso65508	720	6:28	5:23:43.5	1:34:55	300	90	3.0	#112 Orion PMS	4	
0131.COMP	5	6:41	5:23:43.5	1:34:55	300	90	3.0	#112 Orion PMS	4	
0132.vso66116	600	6:41	5:24:05.1	1:36:52	300	90	3.0	#112 Orion PMS	4	
0133.COMP	5	6:51	5:24:05.1	1:36:52	300	90	3.0	#112 Orion PMS	4	
0134.BIAS	0	6:53	08:00:00	32:00:00	300	90	3.0	#56 Photometri	4	
0135.COMP	10	6:56	08:00:00	32:00:00	600	90	2.0	#56 Photometri	4	
0136.COMP	10	7:04	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	600gpm grating; 2-sec slit; focus=950
0137.HD064488	10	7:06	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	for Kenyon/Brown; tilt=420
0138.HD064488	10	7:07	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	
0139.HD064488	10	7:08	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	7:08	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	
0141.HD060778	10	7:10	7:36:11.8	-0:08:15	600	90	2.0	#122 Halo Star	4	
0142.HD060778	30	7:11	7:36:11.8	-0:08:15	600	90	2.0	#122 Halo Star	4	
0143.HD060778	30	7:11	7:36:11.8	-0:08:15	600	90	2.0	#122 Halo Star	4	
0144.COMP	10	7:12	7:36:11.8	-0:08:15	600	90	2.0	#122 Halo Star	4	
0145.HD074721	30	7:14	8:45:59.3	13:15:48	600	90	2.0	#122 Halo Star	4	
0146.HD074721	20	7:14	8:45:59.3	13:15:48	600	90	2.0	#122 Halo Star	4	
0147.HD074721	20	7:15	8:45:59.3	13:15:48	600	90	2.0	#122 Halo Star	4	

UT Date 2001-01-24 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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0148.COMP	10	7:16	8:45:59.3	13:15:48	600	90	2.0	#122 Halo Star	4	
0149.RR7n15	600	7:18	8:26:30.4	38:10:14	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	7:28	8:26:30.4	38:10:14	600	90	2.0	#122 Halo Star	4	
0151.RR7n64	600	7:29	8:43:05.0	41:39:05	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	7:39	8:43:05.0	41:39:05	600	90	2.0	#122 Halo Star	4	
0153.HD086986	20	7:40	10:02:29.2	14:33:35	600	90	2.0	#122 Halo Star	4	
0154.HD086986	20	7:41	10:02:29.2	14:33:35	600	90	2.0	#122 Halo Star	4	
0155.HD086986	20	7:41	10:02:29.2	14:33:35	600	90	2.0	#122 Halo Star	4	
0156.COMP	10	7:42	10:02:29.2	14:33:35	600	90	2.0	#122 Halo Star	4	
0157.hs1	600	7:43	10:30:13.3	29:20:25	600	90	2.0	#122 Halo Star	4	
0158.COMP	10	7:54	10:30:13.3	29:20:25	600	90	2.0	#122 Halo Star	4	
0159.hs2	600	7:54	10:31:03.3	29:24:39	600	90	2.0	#122 Halo Star	4	
0160.COMP	10	8:05	10:31:03.3	29:24:39	600	90	2.0	#122 Halo Star	4	
0161.hs7	900	8:05	10:32:15.3	29:41:07	600	90	2.0	#122 Halo Star	4	
0162.COMP	10	8:21	10:32:15.3	29:41:07	600	90	2.0	#122 Halo Star	4	
0163.Feige34	120	8:22	10:39:36.7	+43:06:09	600	90	2.0	#122 Halo Star	4	
0164.Feige34	120	8:24	10:39:36.7	+43:06:09	600	90	2.0	#122 Halo Star	4	
0165.COMP	10	8:26	10:39:36.7	+43:06:09	600	90	2.0	#122 Halo Star	4	
0166.FLAT	45	8:28	9:30:00	32:00:00	600	90	2.0	#122 Halo Star	4	almost saturated @ red end
0167.FLAT	45	8:29	9:30:00	32:00:00	600	90	2.0	#122 Halo Star	4	v. weak in the blue

UT Date 2001-01-24 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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0168.FLAT	45	8:30	9:30:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0169.FLAT	45	8:31	9:30:00	32:00:00	600	90	2.0	#122 Halo Star	4	back to the normal 300-line 3-sec setup
0170-0175.FLAT	45	8:37	9:30:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0176-0180.FLAT	30	8:40	9:30:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0181.BIAS	0	8:41	9:30:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0182.COMP	5	8:43	9:30:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0183.BGGem	240	8:44	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0184.BGGem	1200	8:49	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0185.COMP	10	9:09	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0186.SN2001N	1200	9:12	10:39:58	24:05:26	300	-40	3.0	#2 SN Observat	2	ok
0187.COMP	10	9:32	10:39:58	24:05:26	300	-40	3.0	#2 SN Observat	2	
0188.SN2001M	1200	9:35	10:24:31.4	-21:47:40	300	5	3.0	#2 SN Observat	2	wk
0189.COMP	10	9:56	10:24:31.4	-21:47:40	300	5	3.0	#2 SN Observat	2	
0190.SN2001K	1200	9:59	11:13:56.0	+12:18:07	300	0	3.0	#2 SN Observat	2	more clouds
0191.COMP	10	10:20	11:13:56.0	+12:18:07	300	0	3.0	#2 SN Observat	2	
0192.Feige34	120	10:28	10:39:36.7	+43:06:09	300	-38	3.0	#56 Photometri	2	
0193.Feige34	120	10:30	10:39:36.7	+43:06:09	300	-38	3.0	#56 Photometri	2	
0194.COMP	10	10:33	10:39:36.7	+43:06:09	300	-38	3.0	#56 Photometri	2	
0195.MRK421	300	10:33	11:04:27.4	+38:12:32	300	-38	3.0	#6 AGN Monitor	4	
0196.COMP	5	10:39	11:04:27.4	+38:12:32	300	-38	3.0	#6 AGN Monitor	4	

UT Date 2001-01-24 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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0197.nrgb184.216	1200	10:40	12:07:22.4	+24:50:20	300	90	3.0	#59 X-Ray Grou	4	
0198.COMP	5	11:00	12:07:22.4	+24:50:20	300	90	3.0	#59 X-Ray Grou	4	
0199.nrgb184.219	600	11:01	12:07:25.8	+25:13:22	300	90	3.0	#59 X-Ray Grou	4	oooh clouds clearing out!
0200.COMP	5	11:11	12:07:25.8	+25:13:22	300	90	3.0	#59 X-Ray Grou	4	
0201.SN2001E	1200	11:13	11:49:05.0	-09:44:10	300	10	3.0	#2 SN Observat	2	
0202.COMP	10	11:34	11:49:05.0	-09:44:10	300	10	3.0	#2 SN Observat	2	
0203.SN2001K	1200	11:36	11:13:56.0	+12:18:07	300	43	3.0	#2 SN Observat	2	much better
0204.COMP	10	11:57	11:13:56.0	+12:18:07	300	43	3.0	#2 SN Observat	2	
0205.nrgb184.220	300	11:58	12:07:28.3	+25:36:07	300	90	3.0	#59 X-Ray Grou	4	
0206.COMP	5	12:04	12:07:28.3	+25:36:07	300	90	3.0	#59 X-Ray Grou	4	
0207.nrgb184.221	210	12:04	12:07:28.3	+24:56:58	300	90	3.0	#59 X-Ray Grou	4	
0208.COMP	5	12:08	12:07:28.3	+24:56:58	300	90	3.0	#59 X-Ray Grou	4	
0209.nrgb184.222	330	12:09	12:07:33.7	+25:18:56	300	90	3.0	#59 X-Ray Grou	4	
0210.COMP	5	12:15	12:07:33.7	+25:18:56	300	90	3.0	#59 X-Ray Grou	4	
0211.nrgb184.223	330	12:15	12:07:34.9	+25:16:47	300	90	3.0	#59 X-Ray Grou	4	
0212.COMP	5	12:21	12:07:34.9	+25:16:47	300	90	3.0	#59 X-Ray Grou	4	
0213.nrgb184.224	600	12:22	12:07:35.8	+25:46:16	300	90	3.0	#59 X-Ray Grou	4	
0214.COMP	5	12:32	12:07:35.8	+25:46:16	300	90	3.0	#59 X-Ray Grou	4	
0215.nrgb184.225	900	12:33	12:07:41.9	+25:15:12	300	90	3.0	#59 X-Ray Grou	4	
0216.COMP	5	12:48	12:07:41.9	+25:15:12	300	90	3.0	#59 X-Ray Grou	4	

UT Date 2001-01-24 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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0217.nrgb184.226	720	12:49	12:07:46.4	+25:31:09	300	90	3.0	#59 X-Ray Grou	4	
0218.COMP	5	13:01	12:07:46.4	+25:31:09	300	90	3.0	#59 X-Ray Grou	4	
0219.HZ44	120	13:03	13:23:35.2	+36:07:59	300	90	3.0	#56 Photometri	2	
0220.HZ44	120	13:05	13:23:35.2	+36:07:59	300	90	3.0	#56 Photometri	2	
0221.COMP	10	13:07	13:23:35.2	+36:07:59	300	90	3.0	#56 Photometri	2	
0222.N5548	90	13:08	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0223.N5548	90	13:10	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0224.COMP	10	13:12	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0225.N4051	120	13:13	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0226.N4051	120	13:15	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0227.COMP	5	13:18	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0228.N4151	30	13:18	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0229.N4151	30	13:19	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0230.N4151	30	13:20	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0231.COMP	5	13:20	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0232.BIAS	0	13:22	12:10:32.6	+39:24:21	300	90	3.0	#59 X-Ray Grou	4	a few clouds @ dawn
0233-0241.BIAS	0	13:23	12:10:32.6	+39:24:21	300	90	3.0	#59 X-Ray Grou	4	
0242-0251.FLAT	8	13:27	12:10:32.6	+39:24:21	300	90	3.0	#59 X-Ray Grou	4	
0252-0261.BIAS	0	13:30	12:10:32.6	+39:24:21	300	90	3.0	#59 X-Ray Grou	2	
0262-0271.FLAT	16	13:35	12:10:32.6	+39:24:21	300	90	3.0	#59 X-Ray Grou	2	