

UT Date 2002-03-20 Observers P BerlindColl. Focus 960 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.COMP	5	22:16	15:50:03	33:05:49	300	90	3.0	#122 Halo Star	2	
0002.DARK	900	22:18	15:50:03	33:05:49	300	90	3.0	#122 Halo Star	4	clear
0003-0010.DARK	900	0:19	15:50:03	33:05:49	300	90	3.0	#122 Halo Star	4	
0011.BIAS	0	0:58	15:50:03	33:05:49	300	90	3.0	#122 Halo Star	4	cold
0012-0020.BIAS	0	0:59	15:50:03	33:05:49	300	90	3.0	#122 Halo Star	4	
0021.FLAT	8	1:00	15:50:03	33:05:49	300	90	3.0	#122 Halo Star	4	windy
0022-0030.FLAT	8	1:02	15:50:03	33:05:49	300	90	3.0	#122 Halo Star	4	
0031-0040.BIAS	0	1:05	15:50:03	33:05:49	300	90	3.0	#122 Halo Star	2	
0041-0050.FLAT	16	1:10	15:50:03	33:05:49	300	90	3.0	#122 Halo Star	2	
0051-0055.sky	3	1:50	6:05:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	1:50	6:05:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.Hiltner600	60	2:27	06:42:37.2	02:11:25	300	4	3.0	#56 Spectropho	4	
0058.Hiltner600	60	2:29	06:42:37.2	02:11:25	300	4	3.0	#56 Spectropho	4	
0059.COMP	5	2:30	06:42:37.2	02:11:25	300	4	3.0	#56 Spectropho	4	
0060.NGC1700	180	2:31	04:56:58.1	-04:52:22	300	4	3.0	#57 Velocity S	4	
0061.COMP	5	2:35	04:56:58.1	-04:52:22	300	4	3.0	#57 Velocity S	4	
0062.vso-71904	600	2:36	05:53:42.3	00:24:46	300	30	3.0	112 Orion PMS	4	
0063.COMP	5	2:46	05:53:42.3	00:24:46	300	30	3.0	112 Orion PMS	4	
0064.vso-71483	720	2:48	05:53:19.2	00:24:45	300	30	3.0	112 Orion PMS	4	
0065.COMP	5	3:00	05:53:19.2	00:24:45	300	30	3.0	112 Orion PMS	4	

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0066.vso-71585	900	3:01	05:53:25.6	00:24:01	300	30	3.0	112 Orion PMS	2	
0067.COMP	10	3:16	05:53:25.6	00:24:01	300	30	3.0	112 Orion PMS	2	
0068.vso-71782	900	3:18	05:53:35.6	00:29:47	300	45	3.0	112 Orion PMS	4	
0069.COMP	5	3:34	05:53:35.6	00:29:47	300	45	3.0	112 Orion PMS	4	
0070.vso-71996	900	3:35	05:53:47.2	00:33:11	300	45	3.0	112 Orion PMS	4	
0071.COMP	5	3:50	05:53:47.2	00:33:11	300	45	3.0	112 Orion PMS	4	
0072.vso-72477	900	3:51	05:54:12.8	00:24:50	300	45	3.0	112 Orion PMS	4	
0073.COMP	5	4:06	05:54:12.8	00:24:50	300	45	3.0	112 Orion PMS	4	
0074.BGGem	1200	4:09	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0075.BGGem	300	4:29	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0076.COMP	10	4:35	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0077.MRK110	600	4:40	09:25:12.9	+52:17:10	300	0	3.0	#6 AGN Monitor	2	
0078.COMP	10	4:51	09:25:12.9	+52:17:10	300	0	3.0	#6 AGN Monitor	2	
0079.Feige34	120	4:56	10:36:41.2	43:21:50	300	55	3.0	#56 Spectropho	2	
0080.Feige34	120	4:59	10:36:41.2	43:21:50	300	55	3.0	#56 Spectropho	2	
0081.COMP	10	5:01	10:36:41.2	43:21:50	300	55	3.0	#56 Spectropho	2	
0082.sn2002bf	1200	5:06	10:15:42.3	+55:40:06	300	50	3.0	#2 SN Observat	2	
0083.COMP	10	5:26	10:15:42.3	+55:40:06	300	50	3.0	#2 SN Observat	2	
0084.MRK421	300	5:28	11:04:27.4	+38:12:32	300	65	3.0	#133 MRK421	4	
0085.MRK421	300	5:33	11:04:27.4	+38:12:32	300	65	3.0	#133 MRK421	4	

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0086.MRK421	300	5:38	11:04:27.4	+38:12:32	300	65	3.0	#133 MRK421	4	
0087.COMP	5	5:43	11:04:27.4	+38:12:32	300	65	3.0	#133 MRK421	4	
0088.N3227	120	5:45	10:23:30.6	+19:51:54	300	-10	3.0	#6 AGN Monitor	4	
0089.N3227	120	5:47	10:23:30.6	+19:51:54	300	-10	3.0	#6 AGN Monitor	4	
0090.N3227	120	5:49	10:23:30.6	+19:51:54	300	-10	3.0	#6 AGN Monitor	4	
0091.COMP	5	5:52	10:23:30.6	+19:51:54	300	-10	3.0	#6 AGN Monitor	4	
0092.sn2002bo	1200	5:53	10:18:06.5	+21:49:41	300	4	3.0	#2 SN Observat	2	
0093.COMP	10	6:13	10:18:06.5	+21:49:41	300	4	3.0	#2 SN Observat	2	
0094.N4051	150	6:15	12:03:09.7	+44:31:53	300	60	3.0	#6 AGN Monitor	4	
0095.N4051	150	6:18	12:03:09.7	+44:31:53	300	60	3.0	#6 AGN Monitor	4	
0096.COMP	5	6:21	12:03:09.7	+44:31:53	300	60	3.0	#6 AGN Monitor	4	
0097.N4151	30	6:22	12:10:32.6	+39:24:21	300	60	3.0	#6 AGN Monitor	4	
0098.N4151	30	6:22	12:10:32.6	+39:24:21	300	60	3.0	#6 AGN Monitor	4	
0099.N4151	30	6:23	12:10:32.6	+39:24:21	300	60	3.0	#6 AGN Monitor	4	
0100.COMP	5	6:24	12:10:32.6	+39:24:21	300	60	3.0	#6 AGN Monitor	4	
0101.sn2002ar	1200	6:31	11:37:43.9	+22:00:34	300	-15	3.0	#2 SN Observat	2	
0102.COMP	10	6:51	11:37:43.9	+22:00:34	300	-15	3.0	#2 SN Observat	2	
0103-0107.FLAT	16	6:54	11:30:00	32:00:00	300	-15	3.0	#2 SN Observat	2	
0108-0112.FLAT	8	6:57	11:30:00	32:00:00	300	-15	3.0	#2 SN Observat	4	
0113.BIAS	0	6:57	11:30:00	32:00:00	300	-15	3.0	#2 SN Observat	4	

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0114.COMP	10	7:01	11:30:00	32:00:00	600	90	2.0	#2 SN Observat	4	600-line; 2-sec
0115.Feige34	150	7:06	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	2	
0116.Feige34	150	7:09	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	2	
0117.COMP	10	7:12	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	2	
0118.HD101501	3	7:13	11:38:25.2	+34:29:02	600	90	2.0	#10 M67 stars	2	
0119.HD101501	2	7:14	11:38:25.2	+34:29:02	600	90	2.0	#10 M67 stars	2	
0120.HD101501	2	7:14	11:38:25.2	+34:29:02	600	90	2.0	#10 M67 stars	2	
0121.COMP	10	7:14	11:38:25.2	+34:29:02	600	90	2.0	#10 M67 stars	2	
0122.HD99167	2	7:16	11:22:4.9	-10:35:5	600	90	2.0	#10 M67 stars	2	
0123.HD99167	2	7:17	11:22:4.9	-10:35:5	600	90	2.0	#10 M67 stars	2	
0124.HD99167	6	7:17	11:22:4.9	-10:35:5	600	90	2.0	#10 M67 stars	2	
0125.COMP	10	7:17	11:22:4.9	-10:35:5	600	90	2.0	#10 M67 stars	2	
0126.HD99998	2	7:18	11:27:45.5	-02:43:38	600	90	2.0	#10 M67 stars	2	
0127.HD99998	2	7:19	11:27:45.5	-02:43:38	600	90	2.0	#10 M67 stars	2	
0128.HD99998	6	7:19	11:27:45.5	-02:43:38	600	90	2.0	#10 M67 stars	2	
0129.COMP	10	7:20	11:27:45.5	-02:43:38	600	90	2.0	#10 M67 stars	2	
0130.HD106156	10	7:21	12:12:57.5	+10:02:15	600	90	2.0	#10 M67 stars	2	
0131.HD106156	10	7:21	12:12:57.5	+10:02:15	600	90	2.0	#10 M67 stars	2	
0132.HD106156	10	7:22	12:12:57.5	+10:02:15	600	90	2.0	#10 M67 stars	2	
0133.COMP	10	7:22	12:12:57.5	+10:02:15	600	90	2.0	#10 M67 stars	2	

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0134.HD110281	20	7:25	12:41:03.6	-00:37:13	600	90	2.0	#10 M67 stars	2	
0135.HD110281	60	7:26	12:41:03.6	-00:37:13	600	90	2.0	#10 M67 stars	2	
0136.COMP	10	7:27	12:41:03.6	-00:37:13	600	90	2.0	#10 M67 stars	2	
0137.HD114961	6	7:28	13:11:29.7	-02:32:32	600	90	2.0	#10 M67 stars	2	
0138.HD114961	6	7:29	13:11:29.7	-02:32:32	600	90	2.0	#10 M67 stars	2	
0139.HD114961	10	7:29	13:11:29.7	-02:32:32	600	90	2.0	#10 M67 stars	2	
0140.COMP	10	7:30	13:11:29.7	-02:32:32	600	90	2.0	#10 M67 stars	2	
0141.HD111951	10	7:31	12:47:49.2	23:08:10	600	90	2.0	#10 M67 stars	2	
0142.HD111951	10	7:31	12:47:49.2	23:08:10	600	90	2.0	#10 M67 stars	2	
0143.HD111951	10	7:32	12:47:49.2	23:08:10	600	90	2.0	#10 M67 stars	2	
0144.COMP	10	7:32	12:47:49.2	23:08:10	600	90	2.0	#10 M67 stars	2	
0145.hs881	1200	7:35	13:02:16.7	28:58:54	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	7:55	13:02:16.7	28:58:54	600	90	2.0	#122 Halo Star	4	
0147.hs882	1200	7:56	13:02:50.8	29:14:09	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	8:17	13:02:50.8	29:14:09	600	90	2.0	#122 Halo Star	4	
0149.hs883	1200	8:17	13:03:32.0	29:05:58	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	8:38	13:03:32.0	29:05:58	600	90	2.0	#122 Halo Star	4	
0151.hs884	1200	8:39	13:03:36.1	29:18:06	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	8:59	13:03:36.1	29:18:06	600	90	2.0	#122 Halo Star	4	
0153.hs886	1200	9:00	13:07:59.3	29:10:51	600	90	2.0	#122 Halo Star	4	

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0154.COMP	10	9:21	13:07:59.3	29:10:51	600	90	2.0	#122 Halo Star	4	
0155.hs887	1200	9:22	13:10:13.3	29:43:58	600	90	2.0	#122 Halo Star	4	
0156.COMP	10	9:42	13:10:13.3	29:43:58	600	90	2.0	#122 Halo Star	4	
0157.hs888	1200	9:43	13:14:55.1	28:53:30	600	90	2.0	#122 Halo Star	4	
0158.COMP	10	10:04	13:14:55.1	28:53:30	600	90	2.0	#122 Halo Star	4	
0159.hs889	1200	10:04	13:15:38.9	29:04:05	600	90	2.0	#122 Halo Star	4	
0160.COMP	10	10:25	13:15:38.9	29:04:05	600	90	2.0	#122 Halo Star	4	
0161.hs890	1200	10:26	13:15:44.5	29:24:47	600	90	2.0	#122 Halo Star	4	
0162.COMP	10	10:46	13:15:44.5	29:24:47	600	90	2.0	#122 Halo Star	4	
0163.HD120933	3	10:47	13:49:35.1	34:41:28	600	90	2.0	#10 M67 stars	2	
0164.HD120933	3	10:47	13:49:35.1	34:41:28	600	90	2.0	#10 M67 stars	2	
0165.HD120933	6	10:48	13:49:35.1	34:41:28	600	90	2.0	#10 M67 stars	2	
0166.COMP	10	10:48	13:49:35.1	34:41:28	600	90	2.0	#10 M67 stars	2	
0167.HD123657	3	10:49	14:05:55.8	44:05:29	600	90	2.0	#10 M67 stars	2	
0168.HD123657	3	10:50	14:05:55.8	44:05:29	600	90	2.0	#10 M67 stars	2	
0169.HD123657	6	10:50	14:05:55.8	44:05:29	600	90	2.0	#10 M67 stars	2	
0170.COMP	10	10:50	14:05:55.8	44:05:29	600	90	2.0	#10 M67 stars	2	
0171.HD126511	6	10:51	14:24:48.9	+41:16:30	600	90	2.0	#10 M67 stars	2	
0172.HD126511	15	10:52	14:24:48.9	+41:16:30	600	90	2.0	#10 M67 stars	2	
0173.HD126511	15	10:53	14:24:48.9	+41:16:30	600	90	2.0	#10 M67 stars	2	

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0174.COMP	10	10:53	14:24:48.9	+41:16:30	600	90	2.0	#10 M67 stars	2	
0175.HD126327	15	10:54	14:21:56.6	25:55:48	600	90	2.0	#10 M67 stars	2	
0176.HD126327	20	10:55	14:21:56.6	25:55:48	600	90	2.0	#10 M67 stars	2	
0177.HD126327	30	10:56	14:21:56.6	25:55:48	600	90	2.0	#10 M67 stars	2	
0178.COMP	10	10:57	14:21:56.6	25:55:48	600	90	2.0	#10 M67 stars	2	
0179.HD128987	10	10:58	14:40:31.1	-16:12:33	600	90	2.0	#10 M67 stars	2	
0180.HD128987	20	10:58	14:40:31.1	-16:12:33	600	90	2.0	#10 M67 stars	2	
0181.HD128987	20	10:59	14:40:31.1	-16:12:33	600	90	2.0	#10 M67 stars	2	
0182.COMP	10	11:00	14:40:31.1	-16:12:33	600	90	2.0	#10 M67 stars	2	
0183.HD136834	20	11:01	15:22:42.5	+01:25:07	600	90	2.0	#10 M67 stars	2	
0184.HD136834	30	11:01	15:22:42.5	+01:25:07	600	90	2.0	#10 M67 stars	2	
0185.HD136834	30	11:02	15:22:42.5	+01:25:07	600	90	2.0	#10 M67 stars	2	
0186.COMP	10	11:03	15:22:42.5	+01:25:07	600	90	2.0	#10 M67 stars	2	
0187.HD149661	10	11:04	16:36:19.8	-02:19:13	600	90	2.0	#10 M67 stars	2	
0188.HD149661	6	11:05	16:36:19.8	-02:19:13	600	90	2.0	#10 M67 stars	2	
0189.HD149661	6	11:05	16:36:19.8	-02:19:13	600	90	2.0	#10 M67 stars	2	
0190.COMP	10	11:06	16:36:19.8	-02:19:13	600	90	2.0	#10 M67 stars	2	
0191.HD149161	4	11:07	16:30:15.7	11:35:38	600	90	2.0	#10 M67 stars	2	
0192.HD149161	4	11:07	16:30:15.7	11:35:38	600	90	2.0	#10 M67 stars	2	
0193.HD149161	4	11:07	16:30:15.7	11:35:38	600	90	2.0	#10 M67 stars	2	

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0194.COMP	10	11:08	16:30:15.7	11:35:38	600	90	2.0	#10 M67 stars	2	
0195.HD148783	4	11:09	16:26:59.8	41:59:26	600	90	2.0	#10 M67 stars	2	
0196.HD148783	3	11:10	16:26:59.8	41:59:26	600	90	2.0	#10 M67 stars	2	
0197.HD148783	3	11:10	16:26:59.8	41:59:26	600	90	2.0	#10 M67 stars	2	
0198.COMP	10	11:11	16:26:59.8	41:59:26	600	90	2.0	#10 M67 stars	2	
0199.HD138481	4	11:12	15:29:7.8	41:00:9	600	90	2.0	#10 M67 stars	2	
0200.HD138481	4	11:12	15:29:7.8	41:00:9	600	90	2.0	#10 M67 stars	2	
0201.HD138481	4	11:12	15:29:7.8	41:00:9	600	90	2.0	#10 M67 stars	2	
0202.COMP	10	11:13	15:29:7.8	41:00:9	600	90	2.0	#10 M67 stars	2	
0203.HD139669	4	11:14	15:32:51.2	77:30:59	600	90	2.0	#10 M67 stars	2	
0204.HD139669	4	11:15	15:32:51.2	77:30:59	600	90	2.0	#10 M67 stars	2	
0205.HD139669	4	11:15	15:32:51.2	77:30:59	600	90	2.0	#10 M67 stars	2	
0206.COMP	10	11:15	15:32:51.2	77:30:59	600	90	2.0	#10 M67 stars	2	
0207.BDp332642	120	11:17	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	2	
0208.BDp332642	120	11:19	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	2	
0209.BDp332642	120	11:22	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	2	
0210.COMP	10	11:24	15:50:03	33:05:49	600	90	2.0	#122 Halo Star	2	
0211.hs891	1200	11:25	13:16:22.0	28:54:46	600	90	2.0	#122 Halo Star	2	
0212.COMP	10	11:46	13:16:22.0	28:54:46	600	90	2.0	#122 Halo Star	2	
0213.hs893	1200	11:47	13:19:19.7	29:09:29	600	90	2.0	#122 Halo Star	4	



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0214.COMP	10	12:07	13:19:19.7	29:09:29	600	90	2.0	#122 Halo Star	4	
0215.HD158614	4	12:09	17:30:24.1	-01:03:36	600	90	2.0	#10 M67 stars	2	
0216.HD158614	4	12:09	17:30:24.1	-01:03:36	600	90	2.0	#10 M67 stars	2	
0217.HD158614	4	12:09	17:30:24.1	-01:03:36	600	90	2.0	#10 M67 stars	2	
0218.COMP	10	12:10	17:30:24.1	-01:03:36	600	90	2.0	#10 M67 stars	2	
0219.HD165341	3	12:11	18:05:27.3	+02:29:58	600	90	2.0	#10 M67 stars	2	
0220.HD165341	3	12:11	18:05:27.3	+02:29:58	600	90	2.0	#10 M67 stars	2	
0221.HD165341	3	12:11	18:05:27.3	+02:29:58	600	90	2.0	#10 M67 stars	2	
0222.COMP	10	12:12	18:05:27.3	+02:29:58	600	90	2.0	#10 M67 stars	2	
0223.FLAT	40	12:15	18:05:27.3	+02:29:58	600	90	2.0	#122 Halo Star	4	clear @ dawn
0224-0232.FLAT	40	12:22	18:05:27.3	+02:29:58	600	90	2.0	#122 Halo Star	4	
0233-0242.BIAS	0	12:24	18:05:27.3	+02:29:58	600	90	2.0	#122 Halo Star	4	
0243-0252.FLAT	80	12:38	18:05:27.3	+02:29:58	600	90	2.0	#122 Halo Star	2	
0253-0262.BIAS	0	12:42	18:05:27.3	+02:29:58	600	90	2.0	#122 Halo Star	2	
0263-0272.DARK	1200	15:47	18:05:27.3	+02:29:58	600	90	2.0	#122 Halo Star	2	