

UT Date 2004-10-06 Observers M CalkinsColl. Focus 1012 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	1:09	06:42:37.2	02:11:25	300	90	3.0	#141 Mapping t	4	
0011-0020.BIAS	0	1:35	06:42:37.2	02:11:25	300	90	3.0	#141 Mapping t	4	
0021-0030.FLAT	6	1:38	06:42:37.2	02:11:25	300	90	3.0	#141 Mapping t	4	
0031-0040.BIAS	0	1:41	06:42:37.2	02:11:25	300	90	3.0	#141 Mapping t	2	
0041-0050.FLAT	12	1:45	06:42:37.2	02:11:25	300	90	3.0	#141 Mapping t	2	
0051.BDp174708	60	1:54	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	through clouds...
0052.BDp174708	60	1:55	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	
0053.COMP	12	1:57	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	
0054.BDp332642	80	2:03	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	looking for holes...
0055.BDp332642	80	2:04	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0056.COMP	5	2:06	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0057.BDp332642	80	2:07	15:50:03.0	33:05:49	300	75	3.0	#56 Spectropho	2	
0058.BDp332642	80	2:08	15:50:03.0	33:05:49	300	75	3.0	#56 Spectropho	2	
0059.COMP	12	2:10	15:50:03.0	33:05:49	300	75	3.0	#56 Spectropho	2	
0060.BDp284211	80	2:33	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0061.COMP	12	2:35	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0062.BDp284211	80	2:36	21:48:57.1	28:37:48	300	104	3.0	#56 Spectropho	2	
0063.COMP	12	2:38	21:48:57.1	28:37:48	300	104	3.0	#56 Spectropho	2	
0064.BDp174708	90	3:00	22:11:31.4	18:05:34	300	-36	3.0	#56 Spectropho	2	
0065.COMP	12	3:02	22:11:31.4	18:05:34	300	-36	3.0	#56 Spectropho	2	

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0066.BDp174708	20	3:30	22:11:31.4	18:05:34	300	-44	3.0	#56 Spectropho	2	waiting for holes...
0067.BDp174708	20	3:31	22:11:31.4	18:05:34	300	-44	3.0	#56 Spectropho	2	
0068.COMP	12	3:32	22:11:31.4	18:05:34	300	-44	3.0	#56 Spectropho	2	
0069.sn2004et	420	3:36	20:35:25.4	60:07:17	300	-16	3.0	#2 SN Observat	2	
0070.COMP	12	3:44	20:35:25.4	60:07:17	300	-16	3.0	#2 SN Observat	2	
0071.sn2004ef	1500	3:48	22:42:10.0	+19:59:40	300	104	3.0	#2 SN Observat	2	
0072.COMP	12	4:13	22:42:10.0	+19:59:40	300	104	3.0	#2 SN Observat	2	
0073.BFCyg	2	4:17	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0074.BFCyg	70	4:17	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0075.BFCyg	45	4:19	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0076.COMP	12	4:20	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0077.CHCyg	10	4:22	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0078.CHCyg	60	4:23	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0079.CHCyg	37	4:24	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0080.COMP	12	4:26	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0081.CICyg	2	4:27	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0082.CICyg	20	4:27	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0083.CICyg	60	4:28	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0084.COMP	12	4:30	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0085.ZAnd	2	4:32	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	

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0086.ZAnd	10	4:32	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0087.ZAnd	60	4:32	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0088.COMP	12	4:34	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0089.RAqr	1	4:36	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0090.RAqr	70	4:37	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0091.RAqr	120	4:38	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0092.COMP	12	4:41	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0093.IRAS21202+6835	1200	5:15	21:20:59.2	68:48:28	300	90	3.0	#156 Cepheus P	2	
0094.COMP	12	5:36	21:20:59.2	68:48:28	300	90	3.0	#156 Cepheus P	2	
0095.K98-66	360	5:38	21:35:54.3	72:01:33	300	90	3.0	#156 Cepheus P	2	
0096.COMP	12	5:44	21:35:54.3	72:01:33	300	90	3.0	#156 Cepheus P	2	
0097.K98-70	300	5:46	21:39:36.1	69:36:05	300	90	3.0	#156 Cepheus P	2	clouds...
0098.COMP	12	5:52	21:39:36.1	69:36:05	300	90	3.0	#156 Cepheus P	2	
0099.K98-75	600	5:54	21:51:30.4	77:23:31	300	90	3.0	#156 Cepheus P	2	
0100.COMP	12	6:04	21:51:30.4	77:23:31	300	90	3.0	#156 Cepheus P	2	
0101.K98-78	720	6:06	21:57:54.9	76:16:48	300	90	3.0	#156 Cepheus P	2	
0102.COMP	12	6:18	21:57:54.9	76:16:48	300	90	3.0	#156 Cepheus P	2	
0103.BGCep	240	6:20	22:00:30.2	68:28:21	300	90	3.0	#156 Cepheus P	2	
0104.COMP	12	6:25	22:00:30.2	68:28:21	300	90	3.0	#156 Cepheus P	2	
0105.K98-82	420	6:26	22:00:15.4	73:23:25	300	90	3.0	#156 Cepheus P	2	

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0106.COMP	12	6:33	22:00:15.4	73:23:25	300	90	3.0	#156 Cepheus P	2	
0107.XS00789B6_010	900	6:36	22:35:33.9	+34:02:18	300	90	3.0	#129 CHAMP Sou	2	
0108.COMP	12	6:51	22:35:33.9	+34:02:18	300	90	3.0	#129 CHAMP Sou	2	
0109.XS02810B1_014	1200	6:58	23:59:41.7	62:31:27	300	90	3.0	#152 ChaMPlane	2	row=79
0110.COMP	12	7:19	23:59:41.7	62:31:27	300	90	3.0	#152 ChaMPlane	2	
0111.XS02810B2_015	540	7:20	23:58:20.4	62:22:20	300	90	3.0	#152 ChaMPlane	2	
0112.COMP	12	7:30	23:58:20.4	62:22:20	300	90	3.0	#152 ChaMPlane	2	
0113.XS02810B0_012	900	7:32	23:58:39.3	62:28:27	300	90	3.0	#152 ChaMPlane	2	row=81
0114.COMP	12	7:47	23:58:39.3	62:28:27	300	90	3.0	#152 ChaMPlane	2	
0115.XS02810B0_019	480	7:48	23:58:18.6	62:29:26	300	90	3.0	#152 ChaMPlane	2	
0116.COMP	12	7:57	23:58:18.6	62:29:26	300	90	3.0	#152 ChaMPlane	2	
0117.XS02810B1_003	1200	8:00	23:59:53.1	62:30:10	300	90	3.0	#152 ChaMPlane	2	row=79, clouds... get again?
0118.COMP	12	8:21	23:59:53.1	62:30:10	300	90	3.0	#152 ChaMPlane	2	
0119.sn2004dt	900	8:37	02:02:12.7	-00:05:51	300	0	3.0	#2 SN Observat	2	
0120.sn2004dt	900	8:52	02:02:12.7	-00:05:51	300	0	3.0	#2 SN Observat	2	
0121.COMP	12	9:08	02:02:12.7	-00:05:51	300	0	3.0	#2 SN Observat	2	
0122.hs3476	378	9:16	2:50:19.2	19:20:25	600	90	2.0	#122 Halo Star	4	600L, 2arcsec, tilt=440
0123.COMP	10	9:23	2:50:19.2	19:20:25	600	90	2.0	#122 Halo Star	4	
0124.hs3477	420	9:23	2:51:24.0	15:54:49	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	9:31	2:51:24.0	15:54:49	600	90	2.0	#122 Halo Star	4	

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0126.hs3478	516	9:32	2:51:54.1	17:10:31	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	9:41	2:51:54.1	17:10:31	600	90	2.0	#122 Halo Star	4	
0128.hs3479	180	9:41	2:53:26.3	15:18:18	600	90	2.0	#122 Halo Star	4	
0129.COMP	10	9:45	2:53:26.3	15:18:18	600	90	2.0	#122 Halo Star	4	
0130.hs3480	318	9:46	2:53:48.7	19:09:59	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	9:51	2:53:48.7	19:09:59	600	90	2.0	#122 Halo Star	4	
0132.hs3481	450	9:52	2:54:05.3	18:57:21	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	10:00	2:54:05.3	18:57:21	600	90	2.0	#122 Halo Star	4	
0134.hs3482	324	10:00	2:54:32.7	18:09:51	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	10:06	2:54:32.7	18:09:51	600	90	2.0	#122 Halo Star	4	
0136.hs3483	240	10:07	2:55:44.5	17:25:03	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	10:11	2:55:44.5	17:25:03	600	90	2.0	#122 Halo Star	4	
0138.hs3484	420	10:12	2:55:58.1	15:07:58	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	10:19	2:55:58.1	15:07:58	600	90	2.0	#122 Halo Star	4	
0140.hs3485	312	10:20	2:57:52.9	16:10:27	600	90	2.0	#122 Halo Star	4	
0141.COMP	12	10:26	2:57:52.9	16:10:27	600	90	2.0	#122 Halo Star	4	
0142.hs3486	288	10:27	3:00:09.0	15:04:06	600	90	2.0	#122 Halo Star	4	
0143.COMP	10	10:32	3:00:09.0	15:04:06	600	90	2.0	#122 Halo Star	4	
0144.hs3487	192	10:33	3:01:57.9	15:04:47	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	10:36	3:01:57.9	15:04:47	600	90	2.0	#122 Halo Star	4	

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0146.hs3488	600	10:38	3:02:40.7	16:32:59	600	80	2.0	#122 Halo Star	4	
0147.COMP	10	10:48	3:02:40.7	16:32:59	600	80	2.0	#122 Halo Star	4	
0148.hs3489	270	10:49	3:08:35.1	15:29:48	600	90	2.0	#122 Halo Star	4	
0149.COMP	10	10:54	3:08:35.1	15:29:48	600	90	2.0	#122 Halo Star	4	
0150.Hiltner600	70	10:57	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	
0151.COMP	10	10:58	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	
0152-0161.FLAT	24	11:05	06:42:37.2	02:11:25	600	90	2.0	#2 SN Observat	4	
0162.Ori15	90	11:12	5:8:13.4	-1:32:17	300	90	3.0	#89 Ae/Be star	2	
0163.COMP	12	11:14	5:8:13.4	-1:32:17	300	90	3.0	#89 Ae/Be star	2	
0164.Ori16	5	11:15	5:8:54.3	-1:41:48	300	90	3.0	#89 Ae/Be star	2	
0165.COMP	12	11:16	5:8:54.3	-1:41:48	300	90	3.0	#89 Ae/Be star	2	
0166.Ori17	75	11:18	5:9:5.5	3:41:52	300	90	3.0	#89 Ae/Be star	2	
0167.COMP	12	11:20	5:9:5.5	3:41:52	300	90	3.0	#89 Ae/Be star	2	
0168.BGGem	300	11:22	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0169.COMP	12	11:27	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0170.BGGem	1200	11:28	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0171.COMP	12	11:49	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0172.Ori18	60	11:51	5:9:10.7	2:53:49	300	90	3.0	#89 Ae/Be star	2	
0173.COMP	12	11:52	5:9:10.7	2:53:49	300	90	3.0	#89 Ae/Be star	2	
0174.Ori19	20	11:54	5:9:19.2	-5:13:11	300	90	3.0	#89 Ae/Be star	2	

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0175.COMP	12	11:54	5:9:19.2	-5:13:11	300	90	3.0	#89 Ae/Be star	2	
0176.Ori20	70	11:56	5:9:24.1	3:25:7	300	90	3.0	#89 Ae/Be star	2	
0177.COMP	12	11:57	5:9:24.1	3:25:7	300	90	3.0	#89 Ae/Be star	2	
0178.Ori21	7	12:00	5:9:37.9	-5:33:10	300	90	3.0	#89 Ae/Be star	2	
0179.COMP	12	12:01	5:9:37.9	-5:33:10	300	90	3.0	#89 Ae/Be star	2	
0180.Ori22	80	12:02	5:9:49.0	3:21:25	300	90	3.0	#89 Ae/Be star	2	
0181.COMP	12	12:04	5:9:49.0	3:21:25	300	90	3.0	#89 Ae/Be star	2	
0182.Ori23	15	12:06	5:9:59.7	1:0:54	300	90	3.0	#89 Ae/Be star	2	
0183.COMP	12	12:10	5:9:59.7	1:0:54	300	90	3.0	#89 Ae/Be star	2	
0184.Ori24	5	12:11	5:10:38.5	1:22:1	300	90	3.0	#89 Ae/Be star	2	
0185.COMP	12	12:12	5:10:38.5	1:22:1	300	90	3.0	#89 Ae/Be star	2	
0186.Ori25	10	12:14	5:11:25.5	-5:40:56	300	90	3.0	#89 Ae/Be star	2	
0187.COMP	12	12:14	5:11:25.5	-5:40:56	300	90	3.0	#89 Ae/Be star	2	
0188.Ori26	10	12:16	5:12:40.8	4:46:57	300	90	3.0	#89 Ae/Be star	2	
0189.COMP	12	12:17	5:12:40.8	4:46:57	300	90	3.0	#89 Ae/Be star	2	
0190.Ori27	4	12:19	5:13:0.9	-0:5:31	300	90	3.0	#89 Ae/Be star	2	
0191.COMP	12	12:20	5:13:0.9	-0:5:31	300	90	3.0	#89 Ae/Be star	2	
0192.NG1700	210	12:26	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0193.COMP	12	12:30	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0194.Hiltner600	60	12:32	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	



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0195.COMP	12	12:33	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0196-0200.Sky	2	13:06	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0201.COMP	5	13:07	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0202-0211.BIAS	0	13:09	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0212-0221.FLAT	6	13:11	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0222-0231.BIAS	0	13:14	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	2	
0232-0241.FLAT	12	13:18	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	2	
0242-0251.DARK	900	15:37	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	2	