

UT Date 2004-09-22 Observers M CalkinsColl. Focus 1060 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	22:14	15:10:11.7	+31:30:46	300	90	3.0	#2 SN Observat	4	
0002.DARK	900	22:30	15:25:22.2	+31:30:41	300	90	3.0	#2 SN Observat	4	
0003.DARK	900	22:45	15:40:32.8	+31:30:36	300	90	3.0	#2 SN Observat	4	
0004.DARK	900	23:00	15:55:39.6	+31:30:31	300	90	3.0	#2 SN Observat	4	
0005.DARK	900	23:15	16:10:50.2	+31:30:26	300	90	3.0	#2 SN Observat	4	
0006.DARK	900	23:30	16:25:57.1	+31:30:20	300	90	3.0	#2 SN Observat	4	
0007.DARK	900	23:45	16:41:07.8	+31:30:15	300	90	3.0	#2 SN Observat	4	
0008.DARK	900	0:00	16:56:18.2	+31:30:09	300	90	3.0	#2 SN Observat	4	
0009.DARK	900	0:15	17:11:24.9	+31:30:03	300	90	3.0	#2 SN Observat	4	
0010.DARK	900	0:30	17:26:35.4	+31:29:57	300	90	3.0	#2 SN Observat	4	
0011-0020.BIAS	0	1:06	17:47:24.6	+31:29:49	300	90	3.0	#2 SN Observat	4	
0021.FLAT	6	1:09	17:50:39.9	+31:29:48	300	90	3.0	#2 SN Observat	4	
0022-0030.FLAT	6	1:11	17:52:32.9	+31:29:47	300	90	3.0	#2 SN Observat	4	
0031.BIAS	0	1:17	17:58:19.6	+31:29:45	300	90	3.0	#2 SN Observat	2	
0032-0040.BIAS	0	1:19	18:00:13.1	+31:29:44	300	90	3.0	#2 SN Observat	2	
0041-0046.FLAT	12	1:22	18:03:10.8	+31:29:43	300	90	3.0	#2 SN Observat	2	
0047-0050.FLAT	12	1:23	18:04:50.1	+31:29:42	300	90	3.0	#2 SN Observat	2	
0051-0055.sky	2	1:34	18:14:57.4	+31:29:38	300	90	3.0	#57 Velocity S	2	
0056.COMP	12	1:34	18:15:36.4	+31:29:38	300	90	3.0	#57 Velocity S	2	
0057.BDp332642	60	2:10	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	

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0058.BDp332642	60	2:12	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0059.COMP	12	2:13	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0060.BDp332642	60	2:14	15:50:03.0	33:05:49	300	79	3.0	#56 Spectropho	2	
0061.BDp332642	60	2:15	15:50:03.0	33:05:49	300	79	3.0	#56 Spectropho	2	
0062.COMP	12	2:17	15:50:03.0	33:05:49	300	79	3.0	#56 Spectropho	2	
0063.TCrB	15	2:19	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0064.TCrB	60	2:19	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0065.COMP	12	2:21	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0066.N5548	150	2:22	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0067.N5548	150	2:25	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0068.N5548	150	2:28	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0069.COMP	12	2:31	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0070.AGDra	2	2:33	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0071.AGDra	15	2:33	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0072.AGDra	45	2:33	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0073.COMP	12	2:35	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0074.DracoC1	1200	2:36	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0075.COMP	12	2:57	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0076.RSOph	10	2:59	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0077.RSOph	60	3:00	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0078.RSOph	150	3:01	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0079.COMP	12	3:04	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0080.3C390.3	300	3:08	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0081.3C390.3	300	3:13	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0082.3C390.3	300	3:19	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0083.COMP	12	3:24	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0084.YYHer	10	3:26	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0085.YYHer	60	3:27	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0086.COMP	12	3:29	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0087.V443Her	5	3:30	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0088.V443Her	45	3:30	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0089.V443Her	90	3:31	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0090.COMP	12	3:34	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0091.BFCyg	1	3:35	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0092.BFCyg	60	3:35	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0093.COMP	12	3:37	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0094.CHCyg	1	3:38	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0095.CHCyg	5	3:39	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0096.CHCyg	30	3:39	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0097.COMP	12	3:40	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0098.sn2004ao	900	4:03	17:28:09.3	+07:24:55	300	60	3.0	#2 SN Observat	2	
0099.sn2004ao	900	4:18	17:28:09.3	+07:24:55	300	60	3.0	#2 SN Observat	2	
0100.COMP	12	4:34	17:28:09.3	+07:24:55	300	60	3.0	#2 SN Observat	2	
0101.CICyg	2	4:39	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0102.CICyg	20	4:39	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0103.CICyg	60	4:39	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0104.COMP	12	4:41	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0105.MRK509	180	4:43	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0106.MRK509	180	4:47	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0107.COMP	12	4:50	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0108.sn2004ef	1200	4:55	22:42:10.0	+19:59:40	300	-45	3.0	#2 SN Observat	2	
0109.COMP	12	5:16	22:42:10.0	+19:59:40	300	-45	3.0	#2 SN Observat	2	
0110.Akn564	180	5:19	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0111.Akn564	180	5:22	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0112.COMP	12	5:25	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0113.N7469	120	5:27	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0114.N7469	120	5:29	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0115.COMP	12	5:32	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0116.ZAnd	2	5:34	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0117.ZAnd	10	5:35	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	

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0118.ZAnd	60	5:35	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0119.COMP	12	5:36	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0120.MRK335	150	5:38	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0121.MRK335	150	5:41	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0122.COMP	12	5:44	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0123.BDp174708	20	5:45	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0124.BDp174708	20	5:46	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0125.COMP	12	5:47	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0126.BDp174708	20	5:48	22:11:31.4	18:05:34	300	15	3.0	#56 Spectropho	2	
0127.BDp174708	20	5:49	22:11:31.4	18:05:34	300	15	3.0	#56 Spectropho	2	
0128.COMP	12	5:50	22:11:31.4	18:05:34	300	15	3.0	#56 Spectropho	2	
0129.RAqr	0	5:53	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0130.RAqr	1	5:53	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0131.RAqr	5	5:53	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0132.RAqr	10	5:54	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0133.COMP	12	5:55	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0134.BDp284211	70	6:01	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	600L, tilt=430, 1.5 arcsec
0135.COMP	10	6:03	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	
0136.obj7080_4-1789	330	6:05	20:45:35.6	31:56:08	600	90	1.5	#155 Cygnus Sh	4	
0137.obj7080_4-1789	330	6:10	20:45:35.6	31:56:08	600	90	1.5	#155 Cygnus Sh	4	

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0138.COMP	10	6:16	20:45:35.6	31:56:08	600	90	1.5	#155 Cygnus Sh	4	
0139.obj7098_4-5473	330	6:17	20:47:09.7	29:57:25	600	90	1.5	#155 Cygnus Sh	4	
0140.obj7098_4-5473	330	6:23	20:47:09.7	29:57:25	600	90	1.5	#155 Cygnus Sh	4	
0141.COMP	10	6:29	20:47:09.7	29:57:25	600	90	1.5	#155 Cygnus Sh	4	
0142.obj7113_8-135	330	6:30	20:56:19.5	29:17:26	600	90	1.5	#155 Cygnus Sh	4	
0143.obj7113_8-135	330	6:35	20:56:19.5	29:17:26	600	90	1.5	#155 Cygnus Sh	4	
0144.COMP	10	6:41	20:56:19.5	29:17:26	600	90	1.5	#155 Cygnus Sh	4	
0145.obj7086_5-566	330	6:43	20:53:01.2	31:44:06	600	90	1.5	#155 Cygnus Sh	4	
0146.obj7086_5-566	330	6:49	20:53:01.2	31:44:06	600	90	1.5	#155 Cygnus Sh	4	
0147.COMP	10	6:55	20:53:01.2	31:44:06	600	90	1.5	#155 Cygnus Sh	4	
0148.obj7083_6-484	360	6:56	20:57:08.6	31:31:22	600	79	1.5	#155 Cygnus Sh	4	
0149.obj7083_6-484	360	7:02	20:57:08.6	31:31:22	600	79	1.5	#155 Cygnus Sh	4	
0150.COMP	10	7:09	20:57:08.6	31:31:22	600	79	1.5	#155 Cygnus Sh	4	
0151.obj7083_6-754	360	7:10	20:57:59.8	31:33:04	600	79	1.5	#155 Cygnus Sh	4	
0152.obj7083_6-754	360	7:16	20:57:59.8	31:33:04	600	79	1.5	#155 Cygnus Sh	4	
0153.COMP	10	7:23	20:57:59.8	31:33:04	600	79	1.5	#155 Cygnus Sh	4	
0154.obj7095_5-834	330	7:24	20:53:10.2	30:49:10	600	73	1.5	#155 Cygnus Sh	4	
0155.obj7095_5-834	330	7:30	20:53:10.2	30:49:10	600	73	1.5	#155 Cygnus Sh	4	
0156.COMP	10	7:36	20:53:10.2	30:49:10	600	73	1.5	#155 Cygnus Sh	4	
0157.obj7077_1-299	360	7:38	20:50:02.8	32:36:13	600	73	1.5	#155 Cygnus Sh	4	saturated, shorten exp, get two more

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0158.obj7077_1-299	150	7:50	20:50:02.8	32:36:13	600	73	1.5	#155 Cygnus Sh	4	
0159.obj7077_1-299	150	7:52	20:50:02.8	32:36:13	600	73	1.5	#155 Cygnus Sh	4	
0160.COMP	10	7:55	20:50:02.8	32:36:13	600	73	1.5	#155 Cygnus Sh	4	
0161.obj7086_2-733	330	7:56	20:51:08.5	31:34:32	600	73	1.5	#155 Cygnus Sh	4	
0162.obj7086_2-733	330	8:02	20:51:08.5	31:34:32	600	73	1.5	#155 Cygnus Sh	4	
0163.COMP	10	8:08	20:51:08.5	31:34:32	600	73	1.5	#155 Cygnus Sh	4	
0164-0173.FLAT	55	8:19	20:51:08.5	31:34:32	600	90	1.5	#12 Symbiotic	4	
0174.BDp284211	80	8:23	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	600L, tilt=440, 2 arcsec
0175.COMP	10	8:26	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0176.hs2951	264	8:28	23:37:26.2	16:42:39	600	90	2.0	#122 Halo Star	4	
0177.COMP	10	8:33	23:37:26.2	16:42:39	600	90	2.0	#122 Halo Star	4	
0178.hs2952	204	8:34	23:37:53.7	23:58:06	600	90	2.0	#122 Halo Star	4	
0179.COMP	10	8:38	23:37:53.7	23:58:06	600	90	2.0	#122 Halo Star	4	
0180.hs2953	180	8:39	23:38:04.5	24:44:50	600	90	2.0	#122 Halo Star	4	
0181.COMP	10	8:42	23:38:04.5	24:44:50	600	90	2.0	#122 Halo Star	4	
0182.hs2954	342	8:43	23:38:15.3	16:52:20	600	90	2.0	#122 Halo Star	4	
0183.COMP	10	8:50	23:38:15.3	16:52:20	600	90	2.0	#122 Halo Star	4	
0184.hs2955	258	8:51	23:38:48.4	22:48:14	600	90	2.0	#122 Halo Star	4	
0185.COMP	10	8:56	23:38:48.4	22:48:14	600	90	2.0	#122 Halo Star	4	
0186.hs2956	396	8:57	23:39:15.2	20:05:36	600	90	2.0	#122 Halo Star	4	

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0187.COMP	10	9:04	23:39:15.2	20:05:36	600	90	2.0	#122 Halo Star	4	
0188.hs2957	288	9:06	23:39:27.5	19:54:06	600	90	2.0	#122 Halo Star	4	
0189.COMP	10	9:11	23:39:27.5	19:54:06	600	90	2.0	#122 Halo Star	4	
0190.hs2958	168	9:12	23:39:52.0	19:51:18	600	90	2.0	#122 Halo Star	4	
0191.COMP	10	9:15	23:39:52.0	19:51:18	600	90	2.0	#122 Halo Star	4	
0192.hs2959	498	9:16	23:40:01.9	24:05:57	600	90	2.0	#122 Halo Star	4	
0193.COMP	10	9:25	23:40:01.9	24:05:57	600	90	2.0	#122 Halo Star	4	
0194-0203.FLAT	24	9:32	23:40:01.9	24:05:57	600	90	2.0	#122 Halo Star	4	
0204.011948p08470.c	1200	9:38	1:22:38.1	9:3:44	300	90	3.0	#113 Interacti	2	combo setup
0205.COMP	12	9:58	1:22:38.1	9:3:44	300	90	3.0	#113 Interacti	2	
0206.EGAnd	1	10:00	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0207.EGAnd	5	10:00	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0208.EGAnd	10	10:01	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0209.COMP	12	10:01	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0210.AXPer	4	10:03	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0211.AXPer	30	10:03	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0212.AXPer	90	10:04	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0213.COMP	12	10:06	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0214.015818p08040.a	1200	10:08	2:0:58.9	8:18:41	300	27	3.0	#113 Interacti	2	
0215.COMP	12	10:29	2:0:58.9	8:18:41	300	27	3.0	#113 Interacti	2	

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0216.020036p21480_a	1200	10:32	2:3:20.3	22:2:28	300	70	3.0	#113 Interacti	2	row=60-83
0217.020036p21480_a	1200	10:52	2:3:20.3	22:2:28	300	70	3.0	#113 Interacti	2	
0218.COMP	12	11:12	2:3:20.3	22:2:28	300	70	3.0	#113 Interacti	2	
0219.021424p14190_a	720	11:14	2:17:10.5	14:32:53	300	3	3.0	#113 Interacti	2	
0220.COMP	12	11:27	2:17:10.5	14:32:53	300	3	3.0	#113 Interacti	2	
0221.023342p13330_a	1200	11:30	2:36:25.4	13:46:49	300	75	3.0	#113 Interacti	2	
0222.COMP	12	11:50	2:36:25.4	13:46:49	300	75	3.0	#113 Interacti	2	
0223.023518p41200_a	720	11:52	2:38:31.9	41:31:45	300	65	3.0	#113 Interacti	2	
0224.COMP	12	12:05	2:38:31.9	41:31:45	300	65	3.0	#113 Interacti	2	
0225.Akn120	300	12:07	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0226.COMP	12	12:12	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0227.Hiltner600	50	12:15	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0228.COMP	12	12:16	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0229.NGC1700	120	12:18	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0230.COMP	12	12:21	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0231-0240.BIAS	0	12:27	04:56:58.1	-04:52:23	300	90	3.0	#122 Halo Star	2	
0241-0250.FLAT	12	12:32	04:56:58.1	-04:52:23	300	90	3.0	#122 Halo Star	2	
0251-0255.DARK	900	13:35	04:56:58.1	-04:52:23	300	90	3.0	#122 Halo Star	2	