

UT Date 2004-10-12 Observers M CalkinsColl. Focus 1040 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	0:42	06:42:37.2	02:11:25	300	90	3.0	#2 SN Observat	4	
0011-0020.BIAS	0	0:58	06:42:37.2	02:11:25	300	90	3.0	#2 SN Observat	4	
0021-0030.FLAT	6	1:01	06:42:37.2	02:11:25	300	90	3.0	#2 SN Observat	4	
0031-0040.BIAS	0	1:04	06:42:37.2	02:11:25	300	90	3.0	#2 SN Observat	2	
0041-0050.FLAT	12	1:10	06:42:37.2	02:11:25	300	90	3.0	#2 SN Observat	2	
0051.sky	2	1:13	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0052-0055.sky	3	1:14	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	1:14	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0057.BDp284211	60	1:41	21:48:57.1	28:37:48	300	104	3.0	#56 Spectropho	4	
0058.BDp284211	60	1:42	21:48:57.1	28:37:48	300	104	3.0	#56 Spectropho	4	
0059.COMP	5	1:44	21:48:57.1	28:37:48	300	104	3.0	#56 Spectropho	4	
0060.BDp284211	50	1:44	21:48:57.1	28:37:48	300	104	3.0	#56 Spectropho	2	
0061.BDp284211	50	1:46	21:48:57.1	28:37:48	300	104	3.0	#56 Spectropho	2	
0062.COMP	12	1:47	21:48:57.1	28:37:48	300	104	3.0	#56 Spectropho	2	
0063.3C390.3	300	1:51	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0064.3C390.3	300	1:56	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0065.3C390.3	300	2:01	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0066.COMP	12	2:06	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0067.MRK509	180	2:09	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0068.MRK509	180	2:13	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	

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0069.COMP	12	2:16	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0070.sn2004et	300	2:22	20:35:25.4	60:07:17	300	6	3.0	#2 SN Observat	2	
0071.COMP	12	2:28	20:35:25.4	60:07:17	300	6	3.0	#2 SN Observat	2	
0072.sn2004et	300	2:28	20:35:25.4	60:07:17	300	6	3.0	#2 SN Observat	2	
0073.COMP	12	2:34	20:35:25.4	60:07:17	300	6	3.0	#2 SN Observat	2	
0074.Akn564	180	2:37	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0075.Akn564	180	2:41	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0076.COMP	12	2:44	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0077.N7469	120	2:46	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0078.N7469	120	2:48	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0079.COMP	12	2:50	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0080.ZAnd	2	2:52	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0081.ZAnd	10	2:53	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0082.ZAnd	60	2:53	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0083.COMP	12	2:55	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0084.BDp174708	10	2:57	22:11:31.4	18:05:34	300	-45	3.0	#56 Spectropho	2	
0085.BDp174708	10	2:58	22:11:31.4	18:05:34	300	-45	3.0	#56 Spectropho	2	
0086.COMP	12	2:58	22:11:31.4	18:05:34	300	-45	3.0	#56 Spectropho	2	
0087.sn2004ef	900	3:01	22:42:10.0	+19:59:40	300	-50	3.0	#2 SN Observat	2	
0088.sn2004ef	900	3:17	22:42:10.0	+19:59:40	300	-50	3.0	#2 SN Observat	2	

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0089.COMP	12	3:32	22:42:10.0	+19:59:40	300	-50	3.0	#2 SN Observat	2	
0090.BDp284211	60	3:39	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	600L, 2arcsec, tilt=440
0091.COMP	10	3:40	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0092.hs2960	342	3:42	23:41:22.6	18:20:57	600	90	2.0	#122 Halo Star	4	
0093.COMP	10	3:48	23:41:22.6	18:20:57	600	90	2.0	#122 Halo Star	4	
0094.hs2961	222	3:49	23:41:38.5	17:19:01	600	90	2.0	#122 Halo Star	4	
0095.COMP	10	3:53	23:41:38.5	17:19:01	600	90	2.0	#122 Halo Star	4	
0096.hs2962	198	3:54	23:42:06.6	20:42:36	600	90	2.0	#122 Halo Star	4	
0097.COMP	10	3:57	23:42:06.6	20:42:36	600	90	2.0	#122 Halo Star	4	
0098.hs2963	546	3:58	23:42:07.0	24:51:32	600	90	2.0	#122 Halo Star	4	
0099.COMP	10	4:08	23:42:07.0	24:51:32	600	90	2.0	#122 Halo Star	4	
0100.hs2964	366	4:09	23:42:15.7	23:47:22	600	90	2.0	#122 Halo Star	4	
0101.COMP	10	4:15	23:42:15.7	23:47:22	600	90	2.0	#122 Halo Star	4	
0102.hs2965	432	4:16	23:42:19.6	25:00:53	600	90	2.0	#122 Halo Star	4	
0103.COMP	10	4:24	23:42:19.6	25:00:53	600	90	2.0	#122 Halo Star	4	
0104.hs2966	456	4:25	23:42:19.6	21:14:47	600	90	2.0	#122 Halo Star	4	
0105.COMP	10	4:33	23:42:19.6	21:14:47	600	90	2.0	#122 Halo Star	4	
0106.hs2967	174	4:34	23:42:54.4	23:49:11	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	4:37	23:42:54.4	23:49:11	600	90	2.0	#122 Halo Star	4	
0108.hs2968	294	4:38	23:43:07.5	21:54:44	600	90	2.0	#122 Halo Star	4	

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0109.COMP	10	4:44	23:43:07.5	21:54:44	600	90	2.0	#122 Halo Star	4	
0110.hs2969	540	4:45	23:43:59.2	24:45:52	600	90	2.0	#122 Halo Star	4	
0111.COMP	10	4:54	23:43:59.2	24:45:52	600	90	2.0	#122 Halo Star	4	
0112.hs2970	336	4:55	23:44:01.6	20:06:24	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	5:01	23:44:01.6	20:06:24	600	90	2.0	#122 Halo Star	4	
0114.hs2971	198	5:02	23:44:39.3	15:49:37	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	5:06	23:44:39.3	15:49:37	600	90	2.0	#122 Halo Star	4	
0116.hs2972	318	5:06	23:44:57.2	21:10:35	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	5:12	23:44:57.2	21:10:35	600	90	2.0	#122 Halo Star	4	
0118.hs2973	186	5:13	23:45:12.2	24:56:17	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	5:17	23:45:12.2	24:56:17	600	90	2.0	#122 Halo Star	4	
0120.hs2974	390	5:18	23:45:14.3	19:12:31	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	5:25	23:45:14.3	19:12:31	600	90	2.0	#122 Halo Star	4	
0122.hs2975	390	5:26	23:45:29.7	22:03:54	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	5:33	23:45:29.7	22:03:54	600	90	2.0	#122 Halo Star	4	
0124.hs2976	282	5:34	23:46:25.7	18:35:56	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	5:39	23:46:25.7	18:35:56	600	90	2.0	#122 Halo Star	4	
0126.hs2977	246	5:40	23:46:49.8	17:04:18	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	5:44	23:46:49.8	17:04:18	600	90	2.0	#122 Halo Star	4	
0128.hs2978	270	5:45	23:47:12.7	19:51:23	600	90	2.0	#122 Halo Star	4	

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0129.COMP	10	5:50	23:47:12.7	19:51:23	600	90	2.0	#122 Halo Star	4	
0130.hs2979	414	5:51	23:47:53.8	21:42:15	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	5:58	23:47:53.8	21:42:15	600	90	2.0	#122 Halo Star	4	
0132.hs2980	414	5:59	23:48:08.1	24:35:30	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	6:06	23:48:08.1	24:35:30	600	90	2.0	#122 Halo Star	4	
0134.hs2981	168	6:07	23:48:22.2	24:23:06	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	6:11	23:48:22.2	24:23:06	600	90	2.0	#122 Halo Star	4	
0136.hs2982	240	6:11	23:49:53.9	22:53:21	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	6:16	23:49:53.9	22:53:21	600	90	2.0	#122 Halo Star	4	
0138-0147.FLAT	24	6:22	23:49:53.9	22:53:21	600	90	2.0	#122 Halo Star	4	
0148.004948p14150_c	1500	7:05	0:52:30.7	14:31:27	300	90	3.0	#113 Interacti	2	combo setup, wait out clouds
0149.004948p14150_c	1500	8:04	0:52:30.7	14:31:27	300	90	3.0	#113 Interacti	2	
0150.COMP	12	8:30	0:52:30.7	14:31:27	300	90	3.0	#113 Interacti	2	
0151.023618p18100_c	900	9:36	2:39:6.0	18:23:0	300	-33	3.0	#113 Interacti	2	row=52-84
0152.023618p18100_c	900	9:52	2:39:6.0	18:23:0	300	-33	3.0	#113 Interacti	2	
0153.COMP	12	10:07	2:39:6.0	18:23:0	300	-33	3.0	#113 Interacti	2	
0154.Ori89	36	11:11	5:35:13.9	-5:49:36	300	90	3.0	#89 Ae/Be star	2	In and out of clouds
0155.COMP	12	11:12	5:35:13.9	-5:49:36	300	90	3.0	#89 Ae/Be star	2	
0156.Ori90	52	11:13	5:35:33.3	-4:50:15	300	90	3.0	#89 Ae/Be star	2	
0157.COMP	12	11:15	5:35:33.3	-4:50:15	300	90	3.0	#89 Ae/Be star	2	

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0158.Ori91	20	11:35	5:35:36.1	-2:27:18	300	90	3.0	#89 Ae/Be star	2	
0159.COMP	12	11:36	5:35:36.1	-2:27:18	300	90	3.0	#89 Ae/Be star	2	
0160.Ori92	90	11:41	5:35:46.2	5:24:14	300	90	3.0	#89 Ae/Be star	2	
0161.COMP	12	11:43	5:35:46.2	5:24:14	300	90	3.0	#89 Ae/Be star	2	
0162.Ori93	10	11:49	5:36:6.2	-4:25:32	300	90	3.0	#89 Ae/Be star	2	
0163.COMP	12	11:50	5:36:6.2	-4:25:32	300	90	3.0	#89 Ae/Be star	2	
0164.Ori94	30	11:53	5:36:38.6	-5:7:53	300	90	3.0	#89 Ae/Be star	2	
0165.COMP	12	11:54	5:36:38.6	-5:7:53	300	90	3.0	#89 Ae/Be star	2	
0166.Ori95	15	12:15	5:36:59.7	0:6:0	300	90	3.0	#89 Ae/Be star	2	
0167.COMP	12	12:15	5:36:59.7	0:6:0	300	90	3.0	#89 Ae/Be star	2	
0168.Ori96	8	12:17	5:37:11.8	-0:27:33	300	90	3.0	#89 Ae/Be star	2	
0169.COMP	12	12:17	5:37:11.8	-0:27:33	300	90	3.0	#89 Ae/Be star	2	
0170.Ori97	90	12:18	5:37:13.4	-5:40:26	300	90	3.0	#89 Ae/Be star	2	
0171.COMP	12	12:20	5:37:13.4	-5:40:26	300	90	3.0	#89 Ae/Be star	2	
0172.Ori98	10	12:26	5:37:38.4	2:19:17	300	90	3.0	#89 Ae/Be star	2	
0173.COMP	12	12:27	5:37:38.4	2:19:17	300	90	3.0	#89 Ae/Be star	2	
0174.Ori99	13	12:32	5:37:49.1	-1:35:9	300	90	3.0	#89 Ae/Be star	2	
0175.COMP	12	12:33	5:37:49.1	-1:35:9	300	90	3.0	#89 Ae/Be star	2	
0176.Ori100	95	12:34	5:38:6.0	5:6:25	300	90	3.0	#89 Ae/Be star	2	
0177.COMP	12	12:36	5:38:6.0	5:6:25	300	90	3.0	#89 Ae/Be star	2	

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0178.Hiltner600	50	12:37	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0179.Hiltner600	50	12:38	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0180.COMP	12	12:40	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0181-0190.BIAS	0	12:44	06:42:37.2	02:11:25	300	90	3.0	#89 Ae/Be star	4	
0191-0200.FLAT	6	12:46	06:42:37.2	02:11:25	300	90	3.0	#89 Ae/Be star	4	
0201-0210.BIAS	0	12:49	06:42:37.2	02:11:25	300	90	3.0	#89 Ae/Be star	2	
0211-0220.FLAT	12	12:54	06:42:37.2	02:11:25	300	90	3.0	#89 Ae/Be star	2	
0221-0230.DARK	900	15:13	06:42:37.2	02:11:25	300	90	3.0	#89 Ae/Be star	2	