

UT Date 2004-10-20 Observers CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	22:35	17:21:06.0	+31:30:02	300	90	3.0	#141 Mapping t	4	
0002.DARK	900	22:50	17:36:13.0	+31:29:55	300	90	3.0	#141 Mapping t	4	
0003.DARK	900	23:05	17:51:23.9	+31:29:49	300	90	3.0	#141 Mapping t	4	
0004.DARK	900	23:20	18:06:34.1	+31:29:43	300	90	3.0	#141 Mapping t	4	
0005.DARK	900	23:35	18:21:41.3	+31:29:36	300	90	3.0	#141 Mapping t	4	
0006.DARK	900	23:50	18:36:51.7	+31:29:30	300	90	3.0	#141 Mapping t	4	
0007.DARK	900	0:06	18:51:59.0	+31:29:24	300	90	3.0	#141 Mapping t	4	
0008.DARK	900	0:21	19:07:09.7	+31:29:17	300	90	3.0	#141 Mapping t	4	
0009.DARK	900	0:36	19:22:16.6	+31:29:11	300	90	3.0	#141 Mapping t	4	
0010.DARK	900	0:51	19:37:27.1	+31:29:05	300	90	3.0	#141 Mapping t	4	
0011-0014.BIAS	0	1:19	19:50:19.0	+31:29:01	300	90	3.0	#141 Mapping t	4	
0015-0020.BIAS	0	1:19	19:50:58.4	+31:29:00	300	90	3.0	#141 Mapping t	4	
0021-0024.FLAT	6	1:21	19:52:51.2	+31:29:00	300	90	3.0	#141 Mapping t	4	
0025-0030.FLAT	6	1:22	19:54:08.9	+31:28:59	300	90	3.0	#141 Mapping t	4	
0031-0033.BIAS	0	1:24	19:55:31.7	+31:28:59	300	90	3.0	#141 Mapping t	2	
0034-0040.BIAS	0	1:25	19:57:02.3	+31:28:58	300	90	3.0	#141 Mapping t	2	
0041-0042.FLAT	12	1:26	19:58:16.7	+31:28:58	300	90	3.0	#141 Mapping t	2	
0043-0049.FLAT	12	1:29	20:01:09.7	+31:28:57	300	90	3.0	#141 Mapping t	2	
0050.FLAT	12	1:30	20:01:31.9	+31:28:56	300	90	3.0	#141 Mapping t	2	
0051.BDp284211	50	2:32	21:48:57.1	28:37:48	300	105	3.0	#56 Spectropho	2	

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0052.BDp284211	50	2:33	21:48:57.1	28:37:48	300	105	3.0	#56 Spectropho	2	
0053.COMP	12	2:34	21:48:57.1	28:37:48	300	105	3.0	#56 Spectropho	2	
0054.3C390.3	300	2:37	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0055.3C390.3	300	2:42	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0056.3C390.3	300	2:47	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0057.COMP	12	2:53	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0058.MRK509	180	2:55	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0059.MRK509	180	2:58	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0060.COMP	12	3:02	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0061.sn2004et	300	3:06	20:35:25.4	60:07:17	300	-27	3.0	#2 SN Observat	2	
0062.sn2004et	300	3:12	20:35:25.4	60:07:17	300	-27	3.0	#2 SN Observat	2	
0063.COMP	12	3:17	20:35:25.4	60:07:17	300	-27	3.0	#2 SN Observat	2	
0064.sn2004ef	900	3:20	22:42:10.0	+19:59:40	300	-40	3.0	#2 SN Observat	2	
0065.sn2004ef	900	3:36	22:42:10.0	+19:59:40	300	-40	3.0	#2 SN Observat	2	
0066.COMP	12	3:51	22:42:10.0	+19:59:40	300	-40	3.0	#2 SN Observat	2	
0067.M31	60	3:53	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0068.M31	60	3:55	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0069.COMP	12	3:56	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0070.BDp284211	90	4:02	21:48:57.1	28:37:48	600	90	1.5	#56 Spectropho	4	600L, 1.5arcsec, tilt=430
0071.BDp284211	90	4:04	21:48:57.1	28:37:48	600	90	1.5	#56 Spectropho	4	

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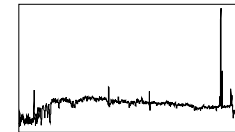
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0072.COMP	10	4:05	21:48:57.1	28:37:48	600	90	1.5	#56 Spectropho	4	
0073.obj7092_5-398	360	4:07	20:56:34.5	30:44:18	600	90	1.5	#155 Cygnus Sh	4	
0074.COMP	10	4:14	20:56:34.5	30:44:18	600	90	1.5	#155 Cygnus Sh	4	
0075.obj7098_6-450	420	4:15	20:48:01.9	30:34:44	600	90	1.5	#155 Cygnus Sh	4	
0076.COMP	10	4:22	20:48:01.9	30:34:44	600	90	1.5	#155 Cygnus Sh	4	
0077.obj7077_7-825	420	4:23	20:52:51.4	32:00:38	600	90	1.5	#155 Cygnus Sh	4	
0078.COMP	10	4:30	20:52:51.4	32:00:38	600	90	1.5	#155 Cygnus Sh	4	
0079.obj7095_5-821	420	4:31	20:53:07.6	30:44:19	600	90	1.5	#155 Cygnus Sh	4	
0080.COMP	10	4:39	20:53:07.6	30:44:19	600	90	1.5	#155 Cygnus Sh	4	
0081.obj7080_2-221	420	4:39	20:45:42.5	32:13:53	600	90	1.5	#155 Cygnus Sh	4	
0082.COMP	10	4:47	20:45:42.5	32:13:53	600	90	1.5	#155 Cygnus Sh	4	
0083.obj7080_3-2457	420	4:49	20:45:33.1	32:12:04	600	80	1.5	#155 Cygnus Sh	4	
0084.COMP	10	5:01	20:45:33.1	32:12:04	600	80	1.5	#155 Cygnus Sh	4	
0085.obj7074_3-5050	480	5:02	20:55:17.9	32:13:29	600	80	1.5	#155 Cygnus Sh	4	
0086.COMP	10	5:11	20:55:17.9	32:13:29	600	80	1.5	#155 Cygnus Sh	4	
0087.obj7086_5-614	480	5:12	20:53:12.4	31:39:13	600	80	1.5	#155 Cygnus Sh	4	
0088.COMP	10	5:21	20:53:12.4	31:39:13	600	80	1.5	#155 Cygnus Sh	4	
0089.obj7083_1-98	480	5:21	20:54:02.5	31:47:42	600	80	1.5	#155 Cygnus Sh	4	
0090.COMP	10	5:30	20:54:02.5	31:47:42	600	80	1.5	#155 Cygnus Sh	4	
0091.obj7089_7-788	480	5:31	20:48:50.7	31:08:21	600	76	1.5	#155 Cygnus Sh	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0092.COMP	10	5:39	20:48:50.7	31:08:21	600	76	1.5	#155 Cygnus Sh	4	
0093.obj7089_1-659	480	5:40	20:46:45.4	31:34:25	600	76	1.5	#155 Cygnus Sh	4	
0094.COMP	10	5:48	20:46:45.4	31:34:25	600	76	1.5	#155 Cygnus Sh	4	
0095.obj7098_3-6110	480	5:51	20:46:41.2	30:14:37	600	76	1.5	#155 Cygnus Sh	4	
0096.COMP	10	5:59	20:46:41.2	30:14:37	600	76	1.5	#155 Cygnus Sh	4	
0097-0106.FLAT	55	6:11	20:46:41.2	30:14:37	600	90	1.5	#155 Cygnus Sh	4	
0107.hs2983	204	6:16	23:50:05.0	17:53:43	600	90	2.0	#122 Halo Star	4	600L, 2arcsec, tilt=440
0108.COMP	10	6:20	23:50:05.0	17:53:43	600	90	2.0	#122 Halo Star	4	
0109.hs2984	336	6:21	23:51:03.0	20:30:19	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	6:27	23:51:03.0	20:30:19	600	90	2.0	#122 Halo Star	4	
0111.hs2985	372	6:28	23:52:42.5	22:37:05	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	6:34	23:52:42.5	22:37:05	600	90	2.0	#122 Halo Star	4	
0113.hs2986	330	6:36	23:53:17.0	17:57:20	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	6:42	23:53:17.0	17:57:20	600	90	2.0	#122 Halo Star	4	
0115.hs2987	492	6:43	23:53:17.6	21:59:50	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	6:51	23:53:17.6	21:59:50	600	90	2.0	#122 Halo Star	4	wait out clouds
0117.hs3027	582	7:19	0:06:31.2	20:39:24	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	7:29	0:06:31.2	20:39:24	600	90	2.0	#122 Halo Star	4	
0119.hs3028	168	7:30	0:06:32.6	20:48:45	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	7:33	0:06:32.6	20:48:45	600	90	2.0	#122 Halo Star	4	

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0121.hs3029	180	7:34	0:06:34.6	23:08:33	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	7:37	0:06:34.6	23:08:33	600	90	2.0	#122 Halo Star	4	
0123.hs3030	612	7:38	0:07:45.0	24:15:08	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	7:48	0:07:45.0	24:15:08	600	90	2.0	#122 Halo Star	4	
0125.Feige24	300	7:50	02:32:31.0	03:30:51	600	90	2.0	#56 Spectropho	4	
0126.COMP	10	7:56	02:32:31.0	03:30:51	600	90	2.0	#56 Spectropho	4	
0127-0136.FLAT	24	8:03	02:32:31.0	03:30:51	600	90	2.0	#155 Cygnus Sh	4	
0137.sn2004dt	900	10:06	02:02:12.7	-00:05:51	300	56	3.0	#2 SN Observat	2	combo, row=74
0138.sn2004dt	900	10:21	02:02:12.7	-00:05:51	300	56	3.0	#2 SN Observat	2	
0139.COMP	12	10:37	02:02:12.7	-00:05:51	300	56	3.0	#2 SN Observat	2	
0140.034600p12580_b	1200	10:41	3:48:50.0	13:8:59	300	100	3.0	#113 Interacti	2	
0141.034600p12580_b	1200	11:01	3:48:50.0	13:8:59	300	100	3.0	#113 Interacti	2	
0142.COMP	12	11:22	3:48:50.0	13:8:59	300	100	3.0	#113 Interacti	2	
0143.064018p21030_a	1500	11:25	6:43:17.9	21:0:19	300	90	3.0	#113 Interacti	2	
0144.COMP	12	11:50	6:43:17.9	21:0:19	300	90	3.0	#113 Interacti	2	
0145.BGGem	300	11:53	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0146.COMP	12	11:58	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0147.BGGem	1200	11:59	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0148.COMP	12	12:19	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0149.G191B2B	240	12:21	05:01:31.5	52:45:52	300	110	3.0	#56 Spectropho	2	



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0150.COMP	12	12:26	05:01:31.5	52:45:52	300	110	3.0	#56 Spectropho	2	
0151.Hiltner600	60	12:29	06:42:37.2	02:11:25	300	7	3.0	#56 Spectropho	2	
0152.COMP	12	12:31	06:42:37.2	02:11:25	300	7	3.0	#56 Spectropho	2	
0153.2M06020140p6625012	600	12:35	06:02:01.4	+66:25:01	300	90	3.0	#141 Mapping t	2	
0154.COMP	12	12:45	06:02:01.4	+66:25:01	300	90	3.0	#141 Mapping t	2	
0155-0164.BIAS	0	12:52	06:02:01.4	+66:25:01	300	90	3.0	#141 Mapping t	2	
0165-0174.FLAT	12	12:56	06:02:01.4	+66:25:01	300	90	3.0	#141 Mapping t	2	
0175-0184.DARK	900	15:14	06:02:01.4	+66:25:01	300	90	3.0	#141 Mapping t	2	