

UT Date 2004-09-10 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	1:02	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0011-0020.BIAS	0	1:40	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0021-0030.FLAT	6	1:43	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0031-0040.BIAS	0	1:48	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0041-0050.FLAT	12	1:52	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0051.BDp332642	60	2:19	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0052.BDp332642	60	2:20	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0053.COMP	5	2:21	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0054.BDp332642	60	2:22	15:50:03.0	33:05:49	300	82	3.0	#56 Spectropho	2	
0055.BDp332642	60	2:23	15:50:03.0	33:05:49	300	82	3.0	#56 Spectropho	2	
0056.COMP	12	2:25	15:50:03.0	33:05:49	300	82	3.0	#56 Spectropho	2	
0057.N5548	180	2:28	14:17:59.6	+25:08:12	300	68	3.0	#6 AGN Monitor	4	
0058.N5548	180	2:31	14:17:59.6	+25:08:12	300	68	3.0	#6 AGN Monitor	4	
0059.N5548	180	2:34	14:17:59.6	+25:08:12	300	68	3.0	#6 AGN Monitor	4	
0060.COMP	5	2:37	14:17:59.6	+25:08:12	300	68	3.0	#6 AGN Monitor	4	
0061.BDp332642	60	2:39	15:50:03.0	33:05:49	300	81	3.0	#56 Spectropho	4	
0062.BDp332642	60	2:41	15:50:03.0	33:05:49	300	81	3.0	#56 Spectropho	4	
0063.COMP	5	2:42	15:50:03.0	33:05:49	300	81	3.0	#56 Spectropho	4	
0064.sn2004dk	1020	2:45	16:21:48.9	-02:16:17	300	41	3.0	#2 SN Observat	2	
0065.COMP	12	3:03	16:21:48.9	-02:16:17	300	41	3.0	#2 SN Observat	2	

UT Date 2004-09-10 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0066.sn2004ec	1200	3:06	17:08:4.9	26:22:44	300	71	3.0	#2 SN Observat	2	
0067.COMP	12	3:26	17:08:4.9	26:22:44	300	71	3.0	#2 SN Observat	2	
0068.sn2004eb	1200	3:30	17:28:24.3	57:32:45	300	-45	3.0	#2 SN Observat	2	
0069.COMP	12	3:51	17:28:24.3	57:32:45	300	-45	3.0	#2 SN Observat	2	
0070.sn2004ed	1200	3:55	19:10:53.6	+73:24:27	300	-12	3.0	#2 SN Observat	2	
0071.COMP	12	4:15	19:10:53.6	+73:24:27	300	-12	3.0	#2 SN Observat	2	
0072.202042p00300.b	900	4:20	20:23:5.6	0:40:1	300	-10	3.0	#113 Interacti	2	row=86
0073.202042p00300.b	900	4:35	20:23:5.6	0:40:1	300	-10	3.0	#113 Interacti	2	
0074.COMP	12	4:51	20:23:5.6	0:40:1	300	-10	3.0	#113 Interacti	2	
0075.202336p01000.c	1500	4:53	20:26:15.0	1:6:8	300	21	3.0	#113 Interacti	2	
0076.COMP	12	5:18	20:26:15.0	1:6:8	300	21	3.0	#113 Interacti	2	
0077.202336p01000.b	1200	5:20	20:26:14.5	1:6:11	300	21	3.0	#113 Interacti	2	row=84
0078.202336p01000.b	1200	5:40	20:26:14.5	1:6:11	300	21	3.0	#113 Interacti	2	
0079.COMP	12	6:00	20:26:14.5	1:6:11	300	21	3.0	#113 Interacti	2	
0080.sn2004ef	1200	6:08	22:42:10.0	+19:59:40	300	-36	3.0	#2 SN Observat	2	
0081.COMP	12	6:29	22:42:10.0	+19:59:40	300	-36	3.0	#2 SN Observat	2	
0082.obj7077_4-2877	300	6:39	20:50:31.4	31:57:18	600	90	1.5	#155 Cygnus Sh	4	600L, tilt=430, slit=1.5
0083.obj7077_4-2877	300	6:44	20:50:31.4	31:57:18	600	90	1.5	#155 Cygnus Sh	4	
0084.COMP	10	6:49	20:50:31.4	31:57:18	600	90	1.5	#155 Cygnus Sh	4	
0085.obj7080_3-569	300	6:50	20:44:59.5	32:07:15	600	90	1.5	#155 Cygnus Sh	4	

UT Date 2004-09-10 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.obj7080_3-569	300	6:55	20:44:59.5	32:07:15	600	90	1.5	#155 Cygnus Sh	4	
0087.obj7092_1-262	240	7:02	20:54:35.0	30:51:56	600	90	1.5	#155 Cygnus Sh	4	
0088.obj7092_1-262	240	7:06	20:54:35.0	30:51:56	600	90	1.5	#155 Cygnus Sh	4	
0089.COMP	10	7:10	20:54:35.0	30:51:56	600	90	1.5	#155 Cygnus Sh	4	
0090.obj7086_7-269	240	7:12	20:52:15.7	31:09:29	600	90	1.5	#155 Cygnus Sh	4	
0091.obj7086_7-269	240	7:16	20:52:15.7	31:09:29	600	90	1.5	#155 Cygnus Sh	4	
0092.obj7077_3-5394	240	7:21	20:50:56.9	32:13:25	600	90	1.5	#155 Cygnus Sh	4	
0093.obj7077_3-5394	240	7:25	20:50:56.9	32:13:25	600	90	1.5	#155 Cygnus Sh	4	
0094.COMP	10	7:29	20:50:56.9	32:13:25	600	90	1.5	#155 Cygnus Sh	4	
0095.obj7089_5-942	240	7:30	20:49:05.8	31:48:31	600	90	1.5	#155 Cygnus Sh	4	
0096.obj7089_5-942	240	7:34	20:49:05.8	31:48:31	600	90	1.5	#155 Cygnus Sh	4	
0097.obj7077_6-1173	300	7:39	20:53:36.8	32:20:39	600	90	1.5	#155 Cygnus Sh	4	
0098.obj7077_6-1173	300	7:51	20:53:36.8	32:20:39	600	90	1.5	#155 Cygnus Sh	4	
0099.COMP	10	7:57	20:53:36.8	32:20:39	600	90	1.5	#155 Cygnus Sh	4	
0100.obj7077_7-1330	300	7:57	20:53:35.9	32:13:26	600	90	1.5	#155 Cygnus Sh	4	
0101.obj7077_7-1330	300	8:03	20:53:35.9	32:13:26	600	90	1.5	#155 Cygnus Sh	4	
0102.obj7074_2-135	300	8:08	20:53:58.3	32:19:47	600	90	1.5	#155 Cygnus Sh	4	
0103.obj7074_2-135	300	8:13	20:53:58.3	32:19:47	600	90	1.5	#155 Cygnus Sh	4	
0104.COMP	10	8:19	20:53:58.3	32:19:47	600	90	1.5	#155 Cygnus Sh	4	
0105.obj7080_7-78	330	8:20	20:47:18.9	32:12:17	600	90	1.5	#155 Cygnus Sh	4	

UT Date 2004-09-10 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0106.obj7080_7-78	330	8:25	20:47:18.9	32:12:17	600	90	1.5	#155 Cygnus Sh	4	
0107.obj7074_7-721	330	8:32	20:57:46.2	32:01:37	600	90	1.5	#155 Cygnus Sh	4	
0108.obj7074_7-721	330	8:37	20:57:46.2	32:01:37	600	90	1.5	#155 Cygnus Sh	4	
0109.COMP	10	8:43	20:57:46.2	32:01:37	600	90	1.5	#155 Cygnus Sh	4	
0110.obj7077_1-597	330	8:44	20:50:45.3	32:33:10	600	90	1.5	#155 Cygnus Sh	4	
0111.obj7077_1-597	330	8:50	20:50:45.3	32:33:10	600	90	1.5	#155 Cygnus Sh	4	
0112.obj7089_1-637	330	8:56	20:46:41.3	31:48:00	600	90	1.5	#155 Cygnus Sh	4	
0113.obj7089_1-637	330	9:02	20:46:41.3	31:48:00	600	90	1.5	#155 Cygnus Sh	4	
0114.COMP	10	9:08	20:46:41.3	31:48:00	600	90	1.5	#155 Cygnus Sh	4	
0115.BDp284211	300	9:09	21:48:57.1	28:37:48	600	90	1.5	#56 Spectropho	4	
0116.COMP	10	9:14	21:48:57.1	28:37:48	600	90	1.5	#56 Spectropho	4	
0117.BDp284211	180	9:15	21:48:57.1	28:37:48	600	90	1.5	#56 Spectropho	4	
0118.COMP	10	9:18	21:48:57.1	28:37:48	600	90	1.5	#56 Spectropho	4	
0119-0128.FLAT	55	9:29	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	
0129.BDp174708	90	9:34	22:11:31.4	18:05:34	600	90	2.0	#122 Halo Star	4	600L, tilt=440, slit=2
0130.COMP	10	9:36	22:11:31.4	18:05:34	600	90	2.0	#122 Halo Star	4	
0131.BDp174708	60	9:37	22:11:31.4	18:05:34	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	9:39	22:11:31.4	18:05:34	600	90	2.0	#122 Halo Star	4	
0133.hs2940	546	9:40	23:28:57.0	18:28:55	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	9:49	23:28:57.0	18:28:55	600	90	2.0	#122 Halo Star	4	

UT Date 2004-09-10 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0135.hs2941	204	9:50	23:30:46.1	22:18:21	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	9:54	23:30:46.1	22:18:21	600	90	2.0	#122 Halo Star	4	
0137.hs2942	462	9:55	23:31:08.1	19:56:06	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	10:03	23:31:08.1	19:56:06	600	90	2.0	#122 Halo Star	4	
0139.hs3423	204	10:05	1:57:28.1	21:19:03	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	10:08	1:57:28.1	21:19:03	600	90	2.0	#122 Halo Star	4	
0141.hs3424	330	10:09	1:58:11.5	20:18:36	600	90	2.0	#122 Halo Star	4	
0142.COMP	10	10:15	1:58:11.5	20:18:36	600	90	2.0	#122 Halo Star	4	
0143.hs3425	276	10:16	2:02:05.5	20:32:22	600	90	2.0	#122 Halo Star	4	
0144.COMP	10	10:21	2:02:05.5	20:32:22	600	90	2.0	#122 Halo Star	4	
0145.hs3426	378	10:22	2:05:15.1	21:25:43	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	10:28	2:05:15.1	21:25:43	600	90	2.0	#122 Halo Star	4	
0147.hs3427	186	10:29	2:05:17.5	23:15:12	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	10:33	2:05:17.5	23:15:12	600	90	2.0	#122 Halo Star	4	
0149.hs3428	318	10:33	2:05:18.9	16:31:15	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	10:39	2:05:18.9	16:31:15	600	90	2.0	#122 Halo Star	4	
0151.hs3429	180	10:40	2:07:07.0	17:13:37	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	10:43	2:07:07.0	17:13:37	600	90	2.0	#122 Halo Star	4	
0153.hs3430	486	10:44	2:08:38.4	21:14:01	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	10:52	2:08:38.4	21:14:01	600	90	2.0	#122 Halo Star	4	

UT Date 2004-09-10 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0155-0164.FLAT	24	10:58	2:08:38.4	21:14:01	600	90	2.0	#122 Halo Star	4	
0165.260_01	420	11:17	01:51:04.2	+32:25:29	300	90	3.0	#64 Galaxy For	4	
0166.COMP	5	11:24	01:51:04.2	+32:25:29	300	90	3.0	#64 Galaxy For	4	
0167.260_02	600	11:28	01:50:18.0	+32:25:34	300	90	3.0	#64 Galaxy For	4	
0168.COMP	5	11:38	01:50:18.0	+32:25:34	300	90	3.0	#64 Galaxy For	4	
0169.260_03	540	11:39	01:50:57.9	+32:28:04	300	90	3.0	#64 Galaxy For	4	
0170.COMP	5	11:49	01:50:57.9	+32:28:04	300	90	3.0	#64 Galaxy For	4	
0171.260_04	780	11:50	01:50:23.9	+32:28:58	300	90	3.0	#64 Galaxy For	4	
0172.COMP	5	12:05	01:50:23.9	+32:28:58	300	90	3.0	#64 Galaxy For	4	
0173.Hiltner600	60	12:15	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0174.Hiltner600	60	12:16	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0175.COMP	5	12:17	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0176-0185.BIAS	0	12:22	06:42:37.2	02:11:25	300	90	3.0	#64 Galaxy For	4	
0186-0195.FLAT	6	12:26	06:42:37.2	02:11:25	300	90	3.0	#64 Galaxy For	4	
0196-0201.DARK	900	13:46	06:42:37.2	02:11:25	300	90	3.0	#64 Galaxy For	4	