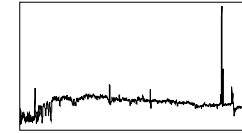
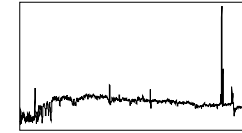
UT Date 2007-07-06 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

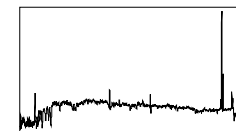
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	01:59	10:39:12.9	+31:32:45	300	90	3.0	#172 SDSS Clus	4	
0011-0020.BIAS	0	02:42	10:39:12.9	+31:32:45	300	90	3.0	#172 SDSS Clus	4	
0021-0030.FLAT	12	02:50	10:39:12.9	+31:32:45	300	90	3.0	#172 SDSS Clus	4	
0031-0040.BIAS	0	02:58	10:39:12.9	+31:32:45	300	90	3.0	#172 SDSS Clus	2	
0041-0060.FLAT	24	03:15	10:39:12.9	+31:32:45	300	90	3.0	#172 SDSS Clus	2	
0061-0070.DARK	900	13:41	10:39:12.9	+31:32:45	300	90	3.0	#172 SDSS Clus	2	

UT Date 2007-07-07 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

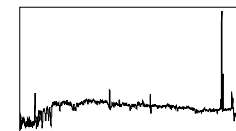
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	02:22	10:39:12.9	+31:32:45	300	90	3.0	#172 SDSS Clus	4	
0011-0020.BIAS	0	02:39	10:39:12.9	+31:32:45	300	90	3.0	#172 SDSS Clus	4	
0021-0030.FLAT	12	02:46	10:39:12.9	+31:32:45	300	90	3.0	#172 SDSS Clus	4	
0031-0040.BIAS	0	02:51	10:39:12.9	+31:32:45	300	90	3.0	#172 SDSS Clus	2	
0041-0060.FLAT	24	03:07	10:39:12.9	+31:32:45	300	90	3.0	#172 SDSS Clus	2	
0061.BDp332642	70	08:15	15:52:00.0	+32:56:54	300	76	3.0	#56 Spectropho	2	hung guider
0062.BIAS	0	08:42	20:18:04.4	+31:29:17	300	76	3.0	#56 Spectropho	2	test
0063.fast3	90	08:48	00:00:00.0	+00:00:00	300	71	3.0	#56 Spectropho	2	test
0064.BDp332642	80	08:51	15:52:00.0	+32:56:54	300	71	3.0	#56 Spectropho	2	ignore (wrong instr focus)
0065.COMP	12	08:53	15:52:00.0	+32:56:54	300	71	3.0	#56 Spectropho	2	ignore (wrong instr focus)
0066.sn2007cu	2100	09:02	16:06:00.7	+55:25:28	300	95	3.0	#2 SN Observat	2	row=80
0067.COMP	12	09:38	16:06:00.7	+55:25:28	300	95	3.0	#2 SN Observat	2	
0068.sn2007ct	1800	09:44	20:38:11.3	+06:53:52	300	20	3.0	#2 SN Observat	2	
0069.COMP	12	10:15	20:38:11.3	+06:53:52	300	20	3.0	#2 SN Observat	2	
0070.BDp284211	70	10:17	21:51:11.1	+28:51:53	300	6	3.0	#56 Spectropho	2	
0071.COMP	12	10:19	21:51:11.1	+28:51:53	300	6	3.0	#56 Spectropho	2	
0072.BDp174708	20	10:22	22:11:31.5	+18:05:34	300	-13	3.0	#56 Spectropho	2	
0073.BDp174708	20	10:22	22:11:31.5	+18:05:34	300	-13	3.0	#56 Spectropho	2	
0074.BDp174708	20	10:23	22:11:31.5	+18:05:34	300	-13	3.0	#56 Spectropho	2	
0075.COMP	12	10:24	22:11:31.5	+18:05:34	300	-13	3.0	#56 Spectropho	2	

UT Date 2007-07-07 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

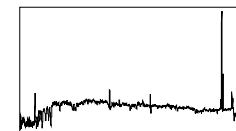
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0076.sn2007fb	1200	10:28	23:56:52.4	+05:30:32	300	-35	3.0	#2 SN Observat	2	
0077.COMP	12	10:49	23:56:52.4	+05:30:32	300	-35	3.0	#2 SN Observat	2	
0078.YYHer	10	10:57	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0079.YYHer	60	10:57	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0080.COMP	12	10:59	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0081.YYHer	180	11:00	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0082.COMP	12	11:03	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0083.V443Her	8	11:06	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0084.V443Her	60	11:07	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0085.V443Her	150	11:08	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0086.COMP	12	11:11	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0087.AS338	30	11:13	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0088.AS338	70	11:14	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0089.AS338	150	11:16	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0090.COMP	12	11:19	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0091.BFCyg	3	11:20	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0092.BFCyg	150	11:21	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0093.COMP	12	11:25	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0094.CHCyg	1	11:27	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0095.CHCyg	5	11:27	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	

UT Date 2007-07-07 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

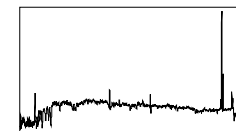
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0096.CHCyg	30	11:27	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0097.COMP	12	11:28	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0098.AS360	60	11:32	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0099.AS360	300	11:33	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0100.COMP	12	11:39	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0101-0110.BIAS	0	11:43	19:45:49.0	+18:36:49	300	90	3.0	#2 SN Observat	4	
0111-0120.FLAT	12	11:47	19:45:49.0	+18:36:49	300	90	3.0	#2 SN Observat	4	
0121-0130.BIAS	0	11:51	19:45:49.0	+18:36:49	300	90	3.0	#2 SN Observat	2	
0131-0150.FLAT	24	12:04	19:45:49.0	+18:36:49	300	90	3.0	#2 SN Observat	2	
0151-0160.DARK	900	14:26	19:45:49.0	+18:36:49	300	90	3.0	#2 SN Observat	2	

UT Date 2007-07-08 Observers P BerlindColl. Focus 1320 Grating/Grism 300

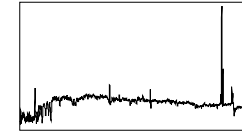
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.BIAS	0	03:11	14:01:47.0	+31:32:39	300	90	3.0	#2 SN Observat	2	
0011-0025.FLAT	25	03:20	14:01:47.0	+31:32:39	300	90	3.0	#2 SN Observat	2	
0026-0030.DARK	900	04:24	14:01:47.0	+31:32:39	300	90	3.0	#2 SN Observat	2	

UT Date 2007-07-09 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	22:16	14:01:47.0	+31:32:39	300	90	3.0	#2 SN Observat	2	
0006-0015.BIAS	0	01:10	14:01:47.0	+31:32:39	300	90	3.0	#2 SN Observat	2	
0016-0030.FLAT	25	01:19	14:01:47.0	+31:32:39	300	90	3.0	#2 SN Observat	2	
0031-0035.sky	3	02:43	14:25:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0036.COMP	10	02:44	14:25:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0037.BDp332642	120	03:26	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0038.BDp332642	120	03:29	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0039.COMP	10	03:31	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0040.TXCVn	30	03:34	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0041.TXCVn	30	03:35	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0042.COMP	10	03:36	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0043.TCrB	15	03:37	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0044.TCrB	60	03:38	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0045.COMP	10	03:40	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0046.AGDra	2	03:41	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0047.AGDra	15	03:42	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0048.AGDra	45	03:43	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0049.COMP	10	03:44	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0050.17052176+5305035	480	03:49	17:05:21.8	+53:05:03	300	90	3.0	#141 Mapping t	2	variable clouds
0051.COMP	10	03:57	17:05:21.8	+53:05:03	300	90	3.0	#141 Mapping t	2	

UT Date 2007-07-09 Observers P BerlindColl. Focus 1320 Grating/Grism 300

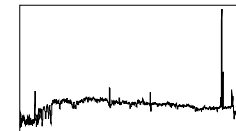
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.17062849+5214380	480	03:58	17:06:28.5	+52:14:38	300	90	3.0	#141 Mapping t	2	
0053.COMP	10	04:06	17:06:28.5	+52:14:38	300	90	3.0	#141 Mapping t	2	
0054.17121313+4632076	600	04:08	17:12:13.1	+46:32:08	300	100	3.0	#141 Mapping t	2	
0055.COMP	10	04:18	17:12:13.1	+46:32:08	300	100	3.0	#141 Mapping t	2	
0056.17122016+4028242	480	04:19	17:12:20.2	+40:28:24	300	90	3.0	#141 Mapping t	2	
0057.COMP	10	04:28	17:12:20.2	+40:28:24	300	90	3.0	#141 Mapping t	2	
0058.17130359+4028415	790	04:29	17:13:03.6	+40:28:42	300	90	3.0	#141 Mapping t	2	
0059.COMP	10	04:43	17:13:03.6	+40:28:42	300	90	3.0	#141 Mapping t	2	
0060.17130778+4112385	900	04:49	17:13:07.8	+41:12:38	300	90	3.0	#141 Mapping t	2	
0061.COMP	10	05:05	17:13:07.8	+41:12:38	300	90	3.0	#141 Mapping t	2	
0062.17133736+5109400	1200	05:08	17:13:37.4	+51:09:40	300	90	3.0	#141 Mapping t	2	
0063.COMP	10	05:29	17:13:37.4	+51:09:40	300	90	3.0	#141 Mapping t	2	
0064.17102949+4135107	1200	05:33	17:10:29.5	+41:35:11	300	90	3.0	#141 Mapping t	2	
0065.COMP	10	05:53	17:10:29.5	+41:35:11	300	90	3.0	#141 Mapping t	2	stopped by clouds
0066-0075.BIAS	0	09:41	17:14:21.7	+39:04:15	300	90	3.0	#141 Mapping t	2	
0076-0090.FLAT	25	09:50	17:14:21.7	+39:04:15	300	90	3.0	#141 Mapping t	2	

UT Date 2007-07-10 Observers P BerlindColl. Focus 1320 Grating/Grism 300

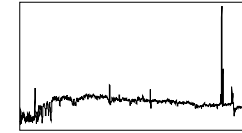
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	00:46	11:06:54.6	+31:32:51	300	90	3.0	#141 Mapping t	2	stop and go through clouds
0002-0010.BIAS	0	00:48	11:06:54.6	+31:32:51	300	90	3.0	#141 Mapping t	2	
0011-0025.FLAT	25	00:57	11:06:54.6	+31:32:51	300	90	3.0	#141 Mapping t	2	
0026-0030.DARK	900	02:14	11:06:54.6	+31:32:51	300	90	3.0	#141 Mapping t	2	
0031-0035.sky	3	02:46	14:31:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0036.COMP	10	02:46	14:31:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0037.BDp332642	120	03:36	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0038.BDp332642	120	03:38	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0039.COMP	10	03:40	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0040.N4853	300	03:41	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0041.COMP	10	03:47	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0042.sn2007af	894	03:50	14:22:21.0	-00:23:38	300	33	3.0	#2 SN Observat	2	stopped short
0043.COMP	10	04:05	14:22:21.0	-00:23:38	300	33	3.0	#2 SN Observat	2	
0044.17063358+1805436	543	04:35	17:06:33.6	+18:05:44	300	90	3.0	#141 Mapping t	2	
0045.COMP	10	04:44	17:06:33.6	+18:05:44	300	90	3.0	#141 Mapping t	2	
0046.17070448+2630104	600	04:46	17:07:04.5	+26:30:10	300	90	3.0	#141 Mapping t	2	
0047.COMP	10	04:56	17:07:04.5	+26:30:10	300	90	3.0	#141 Mapping t	2	
0048.17093478+2758211	600	04:57	17:09:34.8	+27:58:21	300	90	3.0	#141 Mapping t	2	
0049.COMP	10	05:07	17:09:34.8	+27:58:21	300	90	3.0	#141 Mapping t	2	
0051.AS210	60	05:14	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	

UT Date 2007-07-10 Observers P BerlindColl. Focus 1320 Grating/Grism 300

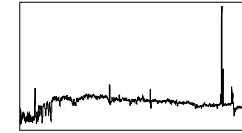
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0052.AS210	600	05:15	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	
0053.COMP	10	05:26	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	
0055.Hen1341	60	05:34	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0056.Hen1341	15	05:36	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0057.Hen1341	199	05:36	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0058.COMP	10	05:40	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0059.RSOph	30	05:41	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0060.RSOph	59	05:42	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0061.RSOph	152	05:44	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0062.COMP	10	05:47	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0064.CICyg	2	08:31	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0065.CICyg	10	08:32	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0066.CICyg	50	08:32	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0067.COMP	10	08:33	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0068.BFCyg	5	08:39	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0069.BFCyg	10	08:40	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0070.BFCyg	90	08:40	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0071.COMP	10	08:42	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0073.PUVu1	20	08:43	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0074.PUVu1	120	08:44	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	

UT Date 2007-07-10 Observers P BerlindColl. Focus 1320 Grating/Grism 300

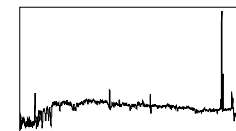
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0075.COMP	10	08:47	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0076-0085.BIAS	0	10:03	20:21:13.0	+21:34:21	300	90	3.0	#141 Mapping t	2	
0086-0100.FLAT	25	10:12	20:21:13.0	+21:34:21	300	90	3.0	#141 Mapping t	2	

UT Date 2007-07-11 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

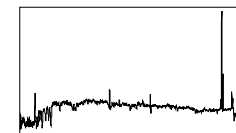
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0006.DARK	900	03:06	13:38:58.6	+31:32:45	300	90	3.0	#141 Mapping t	4	
0007-0016.BIAS	0	03:30	13:38:58.6	+31:32:45	300	90	3.0	#141 Mapping t	4	
0017-0026.FLAT	12	03:33	13:38:58.6	+31:32:45	300	90	3.0	#141 Mapping t	4	
0027-0036.BIAS	0	03:35	13:38:58.6	+31:32:45	300	90	3.0	#141 Mapping t	2	
0037-0056.FLAT	24	03:47	13:38:58.6	+31:32:45	300	90	3.0	#141 Mapping t	2	
0057.BDp332642	90	04:08	15:52:00.0	+32:56:54	300	-35	3.0	#56 Spectropho	2	
0058.COMP	12	04:10	15:52:00.0	+32:56:54	300	-35	3.0	#56 Spectropho	2	
0059.BDp332642	90	04:14	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	4	
0060.COMP	5	04:16	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	4	
0061.DracoC1	1500	04:19	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	4	
0062.COMP	12	04:45	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	4	
0063.fmb253	1500	04:56	17:11:01.7	+77:47:38	300	90	3.0	#171f Local Un	4	
0064.COMP	5	05:23	17:11:01.7	+77:47:38	300	90	3.0	#171f Local Un	4	
0065.fmb254	1320	05:25	17:11:25.5	+77:47:45	300	90	3.0	#171f Local Un	4	
0066.COMP	5	05:48	17:11:25.5	+77:47:45	300	90	3.0	#171f Local Un	4	
0067.fmb255	1200	06:33	17:11:45.8	+77:54:37	300	80	3.0	#171f Local Un	2	
0068.COMP	12	06:54	17:11:45.8	+77:54:37	300	80	3.0	#171f Local Un	2	
0069.fmb256	1320	06:56	17:11:49.4	+78:35:51	300	90	3.0	#171f Local Un	2	
0070.COMP	12	07:19	17:11:49.4	+78:35:51	300	90	3.0	#171f Local Un	2	
0071.fmb257	1800	07:23	17:12:51.3	+78:30:03	300	90	3.0	#171f Local Un	2	

UT Date 2007-07-11 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

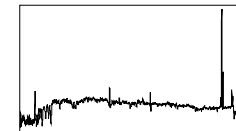
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.COMP	12	07:54	17:12:51.3	+78:30:03	300	90	3.0	#171f Local Un	2	
0073.fmb259	900	07:57	17:13:14.8	+78:21:18	300	90	3.0	#171f Local Un	2	
0074.COMP	12	08:12	17:13:14.8	+78:21:18	300	90	3.0	#171f Local Un	2	
0075.fmb261	900	08:16	17:13:17.0	+77:48:33	300	105	3.0	#171f Local Un	2	
0076.COMP	12	08:31	17:13:17.0	+77:48:33	300	105	3.0	#171f Local Un	2	
0077.fmb338	1320	08:34	22:35:38.5	+01:11:17	300	90	3.0	#171f Local Un	2	not enough cnts, try again
0078.COMP	12	08:57	22:35:38.5	+01:11:17	300	90	3.0	#171f Local Un	2	
0079.fmb338	1800	08:58	22:35:38.5	+01:11:17	300	90	3.0	#171f Local Un	2	
0080.COMP	12	09:29	22:35:38.5	+01:11:17	300	90	3.0	#171f Local Un	2	
0081.sn2007fb	1200	09:33	23:56:52.4	+05:30:32	300	-40	3.0	#2 SN Observat	2	
0082.COMP	12	09:54	23:56:52.4	+05:30:32	300	-40	3.0	#2 SN Observat	2	
0083.BDp284211	80	09:58	21:51:11.1	+28:51:53	300	-10	3.0	#56 Spectropho	2	
0084.COMP	12	10:00	21:51:11.1	+28:51:53	300	-10	3.0	#56 Spectropho	2	
0085.BDp174708	25	10:02	22:11:31.5	+18:05:34	300	-17	3.0	#56 Spectropho	2	
0086.COMP	12	10:03	22:11:31.5	+18:05:34	300	-17	3.0	#56 Spectropho	2	
0087.BDp174708	35	10:04	22:11:31.5	+18:05:34	300	-17	3.0	#56 Spectropho	2	
0088.COMP	12	10:05	22:11:31.5	+18:05:34	300	-17	3.0	#56 Spectropho	2	
0089.sn2007fo	1800	10:14	23:36:14.0	+02:09:30	300	-45	3.0	#2 SN Observat	2	
0090.COMP	12	10:45	23:36:14.0	+02:09:30	300	-45	3.0	#2 SN Observat	2	
0091.sn2007fc	1800	10:51	23:57:33.9	-21:59:53	300	-20	3.0	#2 SN Observat	2	

UT Date 2007-07-11 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

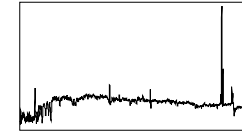
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0092.COMP	12	11:22	23:57:33.9	-21:59:53	300	-20	3.0	#2 SN Observat	2	
0093.N7469	180	11:27	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	clouds... I
0094.N7469	180	11:30	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0095.N7469	180	11:34	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0096.N7469	180	11:37	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0097.COMP	12	11:41	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0098-0107.BIAS	0	11:44	23:03:15.7	+08:52:27	300	90	3.0	#56 Spectropho	4	
0108-0117.FLAT	12	11:49	23:03:15.7	+08:52:27	300	90	3.0	#56 Spectropho	4	
0118-0127.BIAS	0	11:53	23:03:15.7	+08:52:27	300	90	3.0	#56 Spectropho	2	
0128-0147.FLAT	24	12:05	23:03:15.7	+08:52:27	300	90	3.0	#56 Spectropho	2	
0148-0157.DARK	900	14:25	23:03:15.7	+08:52:27	300	90	3.0	#56 Spectropho	2	

UT Date 2007-07-12 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

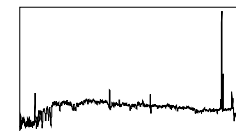
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	02:07	11:42:42.1	+31:32:55	300	90	3.0	#56 Spectropho	4	
0011-0020.BIAS	0	02:27	11:42:42.1	+31:32:55	300	90	3.0	#56 Spectropho	4	
0021-0030.FLAT	12	02:39	11:42:42.1	+31:32:55	300	90	3.0	#56 Spectropho	4	
0031-0040.BIAS	0	02:42	11:42:42.1	+31:32:55	300	90	3.0	#56 Spectropho	2	
0041-0060.FLAT	24	02:54	11:42:42.1	+31:32:55	300	90	3.0	#56 Spectropho	2	
0061-0070.DARK	900	13:23	11:42:42.1	+31:32:55	300	90	3.0	#56 Spectropho	2	

UT Date 2007-07-13 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

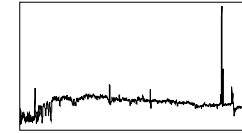
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	01:56	11:42:42.1	+31:32:55	300	90	3.0	#56 Spectropho	4	
0011-0020.BIAS	0	02:30	11:42:42.1	+31:32:55	300	90	3.0	#56 Spectropho	4	
0021-0030.FLAT	12	03:23	11:42:42.1	+31:32:55	300	90	3.0	#56 Spectropho	4	
0031-0040.BIAS	0	03:32	11:42:42.1	+31:32:55	300	90	3.0	#56 Spectropho	2	
0041-0060.FLAT	24	03:46	11:42:42.1	+31:32:55	300	90	3.0	#56 Spectropho	2	
0061-0070.DARK	900	13:18	11:42:42.1	+31:32:55	300	90	3.0	#56 Spectropho	2	

UT Date 2007-07-14 Observers K Rines and C HillColl. Focus 1320 Grating/Grism 300

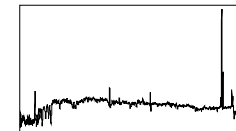
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	00:57	10:37:49.0	+31:32:45	300	90	3.0	#56 Spectropho	2	
0011-0020.BIAS	0	02:35	10:37:49.0	+31:32:45	300	90	3.0	#56 Spectropho	2	
0021-0035.FLAT	25	02:44	10:37:49.0	+31:32:45	300	90	3.0	#56 Spectropho	2	
0036.COMP	12	03:06	10:37:49.0	+31:32:45	300	90	3.0	#56 Spectropho	2	
0037.MRK279	300	03:30	13:51:53.6	+69:33:13	300	90	3.0	#6 AGN Monitor	2	
0038.COMP	12	03:36	13:51:53.6	+69:33:13	300	90	3.0	#6 AGN Monitor	2	
0039.fmfs405	600	03:44	14:05:20.1	-08:40:14	300	90	3.0	#171 Local Uni	2	name should be fmfs405
0040.COMP	12	04:02	14:05:20.1	-08:40:14	300	90	3.0	#171 Local Uni	2	
0041.fmfs410	600	04:03	14:05:20.1	-08:40:14	300	90	3.0	#171 Local Uni	2	name should be fmfs410
0042.COMP	12	04:14	14:05:20.1	-08:40:14	300	90	3.0	#171 Local Uni	2	
0043.fmfs415	480	04:17	14:07:29.6	-09:06:21	300	90	3.0	#171 Local Uni	2	name should be fmfs415
0044.COMP	12	04:25	14:07:29.6	-09:06:21	300	90	3.0	#171 Local Uni	2	
0045.fmf262	900	05:19	17:13:27.1	+78:26:14	300	90	3.0	#171f Local Un	2	
0046.COMP	12	05:35	17:13:27.1	+78:26:14	300	90	3.0	#171f Local Un	2	
0047.fmf270	485	05:38	17:13:56.7	+78:08:20	300	90	3.0	#171f Local Un	2	clouds moved in
0048.COMP	12	05:47	17:13:56.7	+78:08:20	300	90	3.0	#171f Local Un	2	
0049.19185790+4414013	400	06:24	19:18:57.9	+44:14:01	300	90	3.0	#141 Mapping t	2	
0050.COMP	12	06:31	19:18:57.9	+44:14:01	300	90	3.0	#141 Mapping t	2	
0051.17090553+4035577	600	06:33	17:09:05.5	+40:35:58	300	90	3.0	#141 Mapping t	2	
0052.COMP	12	06:43	17:09:05.5	+40:35:58	300	90	3.0	#141 Mapping t	2	

UT Date 2007-07-14 Observers K Rines and C HillColl. Focus 1320 Grating/Grism 300

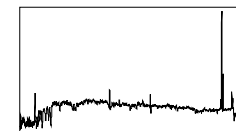
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0053.19264081+4123284	302	06:53	19:26:40.8	+41:23:28	300	90	3.0	#141 Mapping t	2	clouds moved in
0054.COMP	12	06:59	19:26:40.8	+41:23:28	300	90	3.0	#141 Mapping t	2	
0055.20255695-0031077	420	07:25	20:25:56.9	-00:31:08	300	90	3.0	#141 Mapping t	2	
0056.COMP	12	07:32	20:25:56.9	-00:31:08	300	90	3.0	#141 Mapping t	2	
0057-0066.BIAS	0	07:48	18:49:18.1	+22:25:20	300	90	3.0	#171 Local Uni	2	
0067-0081.FLAT	25	07:57	18:49:18.1	+22:25:20	300	90	3.0	#171 Local Uni	2	
0082-0088.DARK	1800	11:20	18:49:18.1	+22:25:20	300	90	3.0	#171 Local Uni	2	

UT Date 2007-07-15 Observers K Rines and C HillColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	01:59	18:49:18.1	+22:25:20	300	90	3.0	#171 Local Uni	2	
0011-0020.BIAS	0	03:01	18:49:18.1	+22:25:20	300	90	3.0	#171 Local Uni	2	
0021-0035.FLAT	25	03:11	18:49:18.1	+22:25:20	300	90	3.0	#171 Local Uni	2	
0036.junk	10	03:41	18:49:18.1	+22:25:20	300	90	3.0	#171 Local Uni	2	test (junk)
0037.COMP	12	06:03	18:49:18.1	+22:25:20	300	90	3.0	#171 Local Uni	2	
0038.N5866	300	06:19	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	
0039.COMP	12	06:24	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	
0040.AS296	60	06:33	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	
0041.AS296	300	06:35	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	
0042.COMP	12	06:40	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	
0043.V443Her	5	06:43	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0044.V443Her	45	06:43	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0045.V443Her	90	06:44	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0046.COMP	12	06:46	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0047.fmfs462	805	07:04	21:00:16.7	-13:58:35	300	90	3.0	#171 Local Uni	2	
0048.COMP	12	07:18	21:00:16.7	-13:58:35	300	90	3.0	#171 Local Uni	2	
0049.17155531+3608010	325	07:23	17:15:55.3	+36:08:01	300	90	3.0	#141 Mapping t	2	cutoff by clouds
0050.COMP	12	07:29	17:15:55.3	+36:08:01	300	90	3.0	#141 Mapping t	2	
0051.cirs3fastb092	420	07:31	16:05:49.5	+18:32:08	300	90	3.0	#172 SDSS Clus	2	
0052.COMP	12	07:39	16:05:49.5	+18:32:08	300	90	3.0	#172 SDSS Clus	2	

UT Date 2007-07-15 Observers K Rines and C HillColl. Focus 1320 Grating/Grism 300

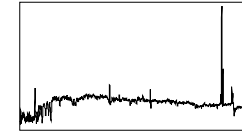
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0053.cirs3fastb093	420	07:43	16:06:16.0	+18:15:00	300	90	3.0	#172 SDSS Clus	2	
0054.COMP	12	07:50	16:06:16.0	+18:15:00	300	90	3.0	#172 SDSS Clus	2	
0055.sn2007ct	188	08:03	20:38:11.3	+06:53:52	300	90	3.0	#2 SN Observat	2	cutoff by clouds
0056.COMP	12	08:06	20:38:11.3	+06:53:52	300	90	3.0	#2 SN Observat	2	
0057.20261488+1923534	450	08:11	20:26:14.9	+19:23:53	300	90	3.0	#141 Mapping t	2	
0058.COMP	12	08:19	20:26:14.9	+19:23:53	300	90	3.0	#141 Mapping t	2	
0059.20040005+6443546	600	08:27	20:04:00.1	+64:43:55	300	90	3.0	#141 Mapping t	2	heavy cloud cover
0060.COMP	12	08:38	20:04:00.1	+64:43:55	300	90	3.0	#141 Mapping t	2	
0061.19292115+4301116	600	08:54	19:29:21.2	+43:01:12	300	90	3.0	#141 Mapping t	2	heavy cloud cover
0062.COMP	12	09:04	19:29:21.2	+43:01:12	300	90	3.0	#141 Mapping t	2	
0063.21423388+3821000	600	09:08	21:42:33.9	+38:21:00	300	90	3.0	#141 Mapping t	2	
0064.COMP	12	09:18	21:42:33.9	+38:21:00	300	90	3.0	#141 Mapping t	2	
0065.21450056+3626133	690	09:24	21:45:00.6	+36:26:13	300	90	3.0	#141 Mapping t	2	cut off by clouds
0066.COMP	12	09:36	21:45:00.6	+36:26:13	300	90	3.0	#141 Mapping t	2	
0067.22543427+4406006	363	10:11	22:54:34.3	+44:06:01	300	90	3.0	#141 Mapping t	2	
0068.COMP	12	10:18	22:54:34.3	+44:06:01	300	90	3.0	#141 Mapping t	2	
0069.fmf379	600	10:23	23:24:40.9	+14:37:55	300	90	3.0	#171f Local Un	2	heavy cloud cover
0070.COMP	12	10:33	23:24:40.9	+14:37:55	300	90	3.0	#171f Local Un	2	
0071.BDp284211	200	10:47	21:51:11.1	+28:51:53	300	90	3.0	#56 Spectropho	2	
0072.COMP	12	10:51	21:51:11.1	+28:51:53	300	90	3.0	#56 Spectropho	2	

UT Date 2007-07-15 Observers K Rines and C HillColl. Focus 1320 Grating/Grism 300

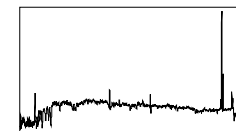
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0073.sn2007fb	1125	10:53	23:56:52.4	+05:30:32	300	90	3.0	#2 SN Observat	2	
0074.COMP	12	11:12	23:56:52.4	+05:30:32	300	90	3.0	#2 SN Observat	2	
0075.22295074+7855594	600	11:18	22:29:50.7	+78:55:59	300	90	3.0	#141 Mapping t	2	
0076.COMP	12	11:29	22:29:50.7	+78:55:59	300	90	3.0	#141 Mapping t	2	
0077.EGAnd	1	11:36	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0078.EGAnd	5	11:36	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0079.EGAnd	10	11:37	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0080.EGAnd	30	11:37	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0081.EGAnd	1	11:38	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0082.EGAnd	5	11:38	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0083.COMP	12	11:38	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0084-0093.BIAS	0	11:46	00:44:37.0	+40:40:47	300	90	3.0	#171 Local Uni	2	
0094-0108.FLAT	25	11:55	00:44:37.0	+40:40:47	300	90	3.0	#171 Local Uni	2	
0109-0118.DARK	1200	15:17	00:44:37.0	+40:40:47	300	90	3.0	#171 Local Uni	2	

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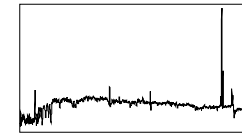
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0005.DARK	1800	01:45	00:44:37.0	+40:40:47	300	90	3.0	#171 Local Uni	2	
0006.BIAS	0	02:42	00:44:37.0	+40:40:47	300	90	3.0	#171 Local Uni	4	binby4
0007-0015.BIAS	0	02:43	00:44:37.0	+40:40:47	300	90	3.0	#171 Local Uni	4	
0016.FLAT	12	02:43	00:44:37.0	+40:40:47	300	90	3.0	#171 Local Uni	4	binby4
0017-0025.FLAT	12	02:46	00:44:37.0	+40:40:47	300	90	3.0	#171 Local Uni	4	
0027.FLAT	25	04:08	15:54:23.5	+31:31:51	300	90	3.0	#171 Local Uni	1	junk (CCD stopped responding)
0028-0041.FLAT	25	04:33	15:54:23.5	+31:31:51	300	90	3.0	#171 Local Uni	1	
0042-0051.BIAS	0	04:37	15:54:23.5	+31:31:51	300	90	3.0	#171 Local Uni	2	
0052-0065.FLAT	25	04:44	15:54:23.5	+31:31:51	300	90	3.0	#171 Local Uni	2	
0066-0075.BIAS	0	04:47	15:54:23.5	+31:31:51	300	90	3.0	#171 Local Uni	2	
0076-0089.FLAT	25	04:55	15:54:23.5	+31:31:51	300	90	3.0	#171 Local Uni	2	
0090.BIAS	0	04:56	15:54:23.5	+31:31:51	300	90	3.0	#171 Local Uni	2	binby2
0091-0099.BIAS	0	04:58	15:54:23.5	+31:31:51	300	90	3.0	#171 Local Uni	2	
0100.FLAT	25	04:58	15:54:23.5	+31:31:51	300	90	3.0	#171 Local Uni	2	binby2
0101-0114.FLAT	25	05:07	15:54:23.5	+31:31:51	300	90	3.0	#171 Local Uni	2	
0115.COMP	12	05:15	15:54:23.5	+31:31:51	300	90	3.0	#171 Local Uni	2	
0116.N5866	420	05:22	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	
0117.COMP	12	05:29	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	
0118.17445376+2751083	720	05:59	17:44:53.8	+27:51:08	300	90	3.0	#141 Mapping t	2	
0119.COMP	12	06:11	17:44:53.8	+27:51:08	300	90	3.0	#141 Mapping t	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0120.17433856+3305489	800	06:14	17:43:38.6	+33:05:49	300	90	3.0	#141 Mapping t	2	
0121.COMP	12	06:27	17:43:38.6	+33:05:49	300	90	3.0	#141 Mapping t	2	
0122.17385758+3325500	600	06:30	17:38:57.6	+33:25:50	300	90	3.0	#141 Mapping t	2	
0123.COMP	12	06:40	17:38:57.6	+33:25:50	300	90	3.0	#141 Mapping t	2	
0124.17404177+3712131	600	06:47	17:40:41.8	+37:12:13	300	60	3.0	#141 Mapping t	2	
0125.COMP	12	06:58	17:40:41.8	+37:12:13	300	60	3.0	#141 Mapping t	2	
0126.17420730+4418222	600	07:06	17:42:07.3	+44:18:22	300	90	3.0	#141 Mapping t	2	
0127.COMP	12	07:16	17:42:07.3	+44:18:22	300	90	3.0	#141 Mapping t	2	
0128.fmb315	900	07:23	17:26:04.7	+77:53:13	300	90	3.0	#171f Local Un	2	
0129.COMP	12	07:39	17:26:04.7	+77:53:13	300	90	3.0	#171f Local Un	2	
0130.fmfs459	900	08:03	20:59:52.0	-13:16:12	300	90	3.0	#171 Local Uni	2	
0131.COMP	12	08:19	20:59:52.0	-13:16:12	300	90	3.0	#171 Local Uni	2	
0132.sn2007fq	1800	08:48	20:34:55.8	-23:06:16	300	5	3.0	#2 SN Observat	2	
0134.sn2007ct	1800	09:37	20:38:11.3	+06:53:52	300	90	3.0	#2 SN Observat	2	
0135.COMP	12	10:08	20:38:11.3	+06:53:52	300	90	3.0	#2 SN Observat	2	
0136.sn2007fb	1200	10:19	23:56:52.4	+05:30:32	300	-37	3.0	#2 SN Observat	2	
0137.COMP	12	10:39	23:56:52.4	+05:30:32	300	-37	3.0	#2 SN Observat	2	
0138.Feige110	150	10:45	23:19:58.3	-05:09:56	300	90	3.0	#56 Spectropho	2	
0139.COMP	12	10:48	23:19:58.3	-05:09:56	300	90	3.0	#56 Spectropho	2	
0140.BDp174708	45	10:52	22:11:31.5	+18:05:34	300	90	3.0	#56 Spectropho	2	

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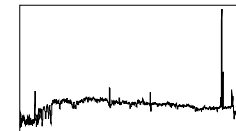
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0141.COMP	12	10:53	22:11:31.5	+18:05:34	300	90	3.0	#56 Spectropho	2	
0142.fmb357	1200	11:00	22:36:35.0	+01:43:26	300	80	3.0	#171f Local Un	2	
0143.COMP	12	11:20	22:36:35.0	+01:43:26	300	80	3.0	#171f Local Un	2	
0144.fmb375	956	11:23	23:24:32.2	+13:58:58	300	80	3.0	#171f Local Un	2	
0145.COMP	12	11:39	23:24:32.2	+13:58:58	300	80	3.0	#171f Local Un	2	
0146.BIAS	0	11:51	23:24:32.2	+13:58:58	300	80	3.0	#2 Supernova S	2	binby2
0147-0155.BIAS	0	11:53	23:24:32.2	+13:58:58	300	80	3.0	#2 Supernova S	2	
0156.FLAT	25	11:53	23:24:32.2	+13:58:58	300	80	3.0	#2 Supernova S	2	binby2
0157-0170.FLAT	25	12:02	23:24:32.2	+13:58:58	300	80	3.0	#2 Supernova S	2	
0171-0177.DARK	1800	15:30	23:24:32.2	+13:58:58	300	80	3.0	#2 Supernova S	2	

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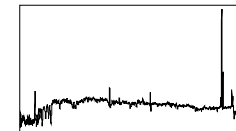
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	1800	23:58	23:24:32.2	+13:58:58	300	80	3.0	#2 Supernova S	2	Program should be: #171f Local Un
0002-0005.DARK	1800	02:00	23:24:32.2	+13:58:58	300	80	3.0	#2 Supernova S	2	
0006.BIAS	0	02:43	23:24:32.2	+13:58:58	300	80	3.0	#2 Supernova S	2	Program should be: #171f Local Un
0007-0015.BIAS	0	02:44	23:24:32.2	+13:58:58	300	80	3.0	#2 Supernova S	2	
0016.FLAT	25	02:45	23:24:32.2	+13:58:58	300	80	3.0	#2 Supernova S	2	Program should be: #171f Local Un
0017-0030.FLAT	25	02:54	23:24:32.2	+13:58:58	300	80	3.0	#2 Supernova S	2	
0031.COMP	12	03:00	23:24:32.2	+13:58:58	300	80	3.0	#2 Supernova S	2	Program should be: #171f Local Un
0032.N5866	300	03:59	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	
0033.COMP	12	04:04	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	
0034.BDp262606	60	04:07	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0035.COMP	12	04:08	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0036.cirs3fastb087	1200	04:29	16:00:16.5	+16:08:44	300	90	3.0	#172 SDSS Clus	2	
0037.COMP	12	04:50	16:00:16.5	+16:08:44	300	90	3.0	#172 SDSS Clus	2	
0038.cirs3fastb088	17	04:53	16:00:56.2	+15:31:35	300	90	3.0	#172 SDSS Clus	2	junk (accidentally stopped)
0039.cirs3fastb088	900	04:53	16:00:56.2	+15:31:35	300	90	3.0	#172 SDSS Clus	2	
0040.COMP	12	05:09	16:00:56.2	+15:31:35	300	90	3.0	#172 SDSS Clus	2	
0041.fmb270	600	05:15	17:13:56.7	+78:08:20	300	90	3.0	#171f Local Un	2	object came out of slit; could be bad spectrum
0042.COMP	12	05:28	17:13:56.7	+78:08:20	300	90	3.0	#171f Local Un	2	
0043.fmb270	720	05:30	17:13:56.7	+78:08:20	300	90	3.0	#171f Local Un	2	re-do of previous object
0044.COMP	12	05:42	17:13:56.7	+78:08:20	300	90	3.0	#171f Local Un	2	

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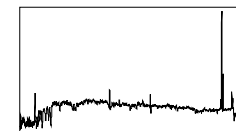
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0045.fmb272	720	05:44	17:14:18.7	+78:05:20	300	90	3.0	#171f Local Un	2	
0046.COMP	12	05:57	17:14:18.7	+78:05:20	300	90	3.0	#171f Local Un	2	
0047.fmb271	900	06:00	17:14:17.7	+78:03:36	300	90	3.0	#171f Local Un	2	
0048.COMP	12	06:15	17:14:17.7	+78:03:36	300	90	3.0	#171f Local Un	2	
0049.fmb269	1200	06:18	17:13:53.2	+78:04:23	300	90	3.0	#171f Local Un	2	
0050.COMP	12	06:38	17:13:53.2	+78:04:23	300	90	3.0	#171f Local Un	2	
0051.fmb267	1200	06:41	17:13:47.4	+78:14:18	300	90	3.0	#171f Local Un	2	
0052.COMP	12	07:02	17:13:47.4	+78:14:18	300	90	3.0	#171f Local Un	2	
0053.V919Sgr	20	07:10	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0054.V919Sgr	200	07:10	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0055.COMP	12	07:14	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0056.fmfs458	1200	07:25	20:59:32.6	-14:11:47	300	90	3.0	#171 Local Uni	2	clouds moved in
0057.COMP	12	07:46	20:59:32.6	-14:11:47	300	90	3.0	#171 Local Uni	2	
0058.fmfs462	606	08:03	21:00:16.7	-13:58:35	300	90	3.0	#171 Local Uni	2	
0059.COMP	12	08:13	21:00:16.7	-13:58:35	300	90	3.0	#171 Local Uni	2	cut off by clouds
0060.sn2007fq	1800	09:20	20:34:55.8	-23:06:16	300	35	3.0	#2 SN Observat	2	
0061.COMP	12	09:51	20:34:55.8	-23:06:16	300	35	3.0	#2 SN Observat	2	
0062.sn2007fs	1500	10:00	22:01:40.4	-21:30:30	300	87	3.0	#2 SN Observat	2	
0063.COMP	12	10:25	22:01:40.4	-21:30:30	300	87	3.0	#2 SN Observat	2	
0064.fmfs535	763	11:15	23:15:06.3	-02:17:23	300	90	3.0	#171 Local Uni	2	cut off by clouds and sunlight

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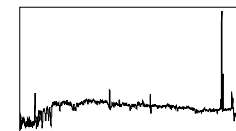
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0065.COMP	12	11:28	23:15:06.3	-02:17:23	300	90	3.0	#171 Local Uni	2	
0066.BIAS	0	11:43	23:19:58.3	-05:09:56	300	90	3.0	#2 Supernova S	2	Program should be: #171f Local Un
0067-0075.BIAS	0	11:45	23:19:58.3	-05:09:56	300	90	3.0	#2 Supernova S	2	
0076.FLAT	25	11:45	23:19:58.3	-05:09:56	300	90	3.0	#2 Supernova S	2	Program should be: #171f Local Un
0077-0090.FLAT	25	11:54	23:19:58.3	-05:09:56	300	90	3.0	#2 Supernova S	2	
0091-0100.DARK	900	14:37	23:19:58.3	-05:09:56	300	90	3.0	#171f Local Un	2	

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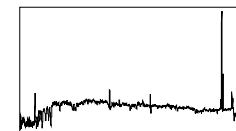
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	00:16	23:19:58.3	-05:09:56	300	90	3.0	#171f Local Un	2	don
0002-0005.DARK	900	01:17	23:19:58.3	-05:09:56	300	90	3.0	#171f Local Un	2	
0006.BIAS	0	03:25	23:19:58.3	-05:09:56	300	90	3.0	#171f Local Un	2	may be a problem with these as well
0007-0015.BIAS	0	03:26	23:19:58.3	-05:09:56	300	90	3.0	#171f Local Un	2	
0016.FLAT	25	03:26	23:19:58.3	-05:09:56	300	90	3.0	#171f Local Un	2	may be a problem with these as well
0017-0030.FLAT	25	03:35	23:19:58.3	-05:09:56	300	90	3.0	#171f Local Un	2	
0031.FLAT	25	03:47	23:19:58.3	-05:09:56	300	90	3.0	#171f Local Un	2	test flats to see if problem was fixed
0032-0033.FLAT	25	03:56	23:19:58.3	-05:09:56	300	90	3.0	#171f Local Un	2	
0034.BIAS	0	03:58	23:19:58.3	-05:09:56	300	90	3.0	#171f Local Un	2	re-do of biases---these ones are correct
0035-0043.BIAS	0	04:00	23:19:58.3	-05:09:56	300	90	3.0	#171f Local Un	2	
0044.FLAT	25	04:00	23:19:58.3	-05:09:56	300	90	3.0	#171f Local Un	2	re-do of flats---these ones are correct
0045-0058.FLAT	25	04:09	23:19:58.3	-05:09:56	300	90	3.0	#171f Local Un	2	
0059.N5866	300	04:24	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	
0060.COMP	12	04:29	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	
0061.COMP	12	04:32	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	COMP at zenith ra/dec (forgot to take one after biases/flats)
0062.BDp262606	60	04:35	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0063.COMP	12	04:37	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0064.sn2007af	1800	04:44	14:22:21.0	-00:23:38	300	44	3.0	#2 SN Observat	2	
0065.COMP	12	05:15	14:22:21.0	-00:23:38	300	44	3.0	#2 SN Observat	2	
0066.fmf275	1200	05:40	17:14:41.7	+77:47:07	300	90	3.0	#171f Local Un	2	

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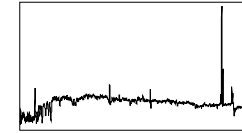
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.COMP	12	06:00	17:14:41.7	+77:47:07	300	90	3.0	#171f Local Un	2	
0068.fmf283	1200	06:08	17:16:17.8	+77:43:15	300	90	3.0	#171f Local Un	2	some cloud cover
0069.COMP	12	06:29	17:16:17.8	+77:43:15	300	90	3.0	#171f Local Un	2	
0070.sn2007co	1800	06:44	18:23:03.6	+29:53:50	300	90	3.0	#2 SN Observat	2	clouds moved in
0071.COMP	12	07:15	18:23:03.6	+29:53:50	300	90	3.0	#2 SN Observat	2	
0072.YYHer	10	07:19	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0073.YYHer	60	07:20	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0074.COMP	12	07:21	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0075.AS338	30	07:31	19:03:47.0	+16:26:17	300	95	3.0	#12 Symbiotic	2	
0076.AS338	300	07:34	19:03:47.0	+16:26:17	300	95	3.0	#12 Symbiotic	2	
0077.COMP	12	07:40	19:03:47.0	+16:26:17	300	95	3.0	#12 Symbiotic	2	
0078.fmf460	900	07:47	20:59:54.1	-12:27:46	300	90	3.0	#171 Local Uni	2	
0079.COMP	12	08:03	20:59:54.1	-12:27:46	300	90	3.0	#171 Local Uni	2	
0080.fmf466	720	08:06	21:01:01.8	-13:52:45	300	90	3.0	#171 Local Uni	2	
0081.COMP	12	08:19	21:01:01.8	-13:52:45	300	90	3.0	#171 Local Uni	2	
0082.fmf468	840	08:21	21:01:16.4	-13:22:49	300	90	3.0	#171 Local Uni	2	problem with spectrum, looks like HeNeAr lamp was on
0083.COMP	12	08:35	21:01:16.4	-13:22:49	300	90	3.0	#171 Local Uni	2	
0084.fmf468	840	08:38	21:01:16.4	-13:22:49	300	90	3.0	#171 Local Uni	2	re-do of previous object, looks good this time
0085.COMP	12	08:52	21:01:16.4	-13:22:49	300	90	3.0	#171 Local Uni	2	
0086.fmf465	840	09:01	21:01:00.3	-13:15:04	300	90	3.0	#171 Local Uni	2	

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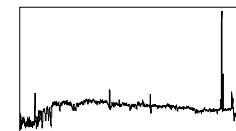
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.COMP	12	09:15	21:01:00.3	-13:15:04	300	90	3.0	#171 Local Uni	2	
0088.fmfs470	840	09:18	21:01:36.6	-13:55:41	300	90	3.0	#171 Local Uni	2	
0089.COMP	12	09:32	21:01:36.6	-13:55:41	300	90	3.0	#171 Local Uni	2	
0090.sn2007fs	3	09:41	22:01:40.4	-21:30:30	300	90	3.0	#2 SN Observat	2	junk (accidentally stopped exposure)
0091.sn2007fs	1500	09:41	22:01:40.4	-21:30:30	300	90	3.0	#2 SN Observat	2	
0092.COMP	12	10:07	22:01:40.4	-21:30:30	300	90	3.0	#2 SN Observat	2	
0093.BDp284211	90	10:11	21:51:11.1	+28:51:53	300	20	3.0	#56 Spectropho	2	
0094.COMP	12	10:13	21:51:11.1	+28:51:53	300	20	3.0	#56 Spectropho	2	
0095.BDp174708	45	10:19	22:11:31.5	+18:05:34	300	69	3.0	#56 Spectropho	2	
0096.COMP	12	10:20	22:11:31.5	+18:05:34	300	69	3.0	#56 Spectropho	2	
0097.fmb380	720	10:26	23:24:42.7	+14:31:06	300	90	3.0	#171f Local Un	2	
0098.COMP	12	10:38	23:24:42.7	+14:31:06	300	90	3.0	#171f Local Un	2	
0099.fmb378	1200	10:43	23:24:37.8	+14:53:10	300	90	3.0	#171f Local Un	2	
0100.COMP	12	11:04	23:24:37.8	+14:53:10	300	90	3.0	#171f Local Un	2	
0101.sn2007fb	1200	11:11	23:56:52.4	+05:30:32	300	104	3.0	#2 SN Observat	2	
0102.COMP	12	11:32	23:56:52.4	+05:30:32	300	104	3.0	#2 SN Observat	2	
0103.ZAnd	1	11:36	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0104.ZAnd	5	11:37	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0105.ZAnd	30	11:37	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0106.COMP	12	11:38	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	

UT Date 2007-07-18 Observers C HillColl. Focus 1320 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0107.RAqr	0	11:41	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0108.RAqr	1	11:41	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0109.RAqr	5	11:42	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0110.RAqr	10	11:42	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0111.COMP	12	11:43	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0112-0121.BIAS	0	11:50	23:43:49.0	-15:17:05	300	90	3.0	#171f Local Un	2	
0122-0136.FLAT	25	11:59	23:43:49.0	-15:17:05	300	90	3.0	#171f Local Un	2	
0137-0141.DARK	900	13:17	23:43:49.0	-15:17:05	300	90	3.0	#171f Local Un	2	

UT Date 2007-07-19 Observers C HillColl. Focus 1320 Grating/Grism 300

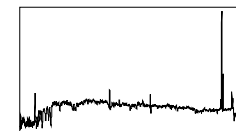
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	02:21	23:43:49.0	-15:17:05	300	90	3.0	#171f Local Un	2	
0011.BIAS	0	02:36	23:43:49.0	-15:17:05	300	90	3.0	#171f Local Un	2	junk; accidentally started these before last DARK was done
0012-0020.BIAS	0	02:38	23:43:49.0	-15:17:05	300	90	3.0	#171f Local Un	2	
0021.FLAT	25	02:38	23:43:49.0	-15:17:05	300	90	3.0	#171f Local Un	2	junk; accidentally started these before last DARK was done
0022-0035.FLAT	25	02:46	23:43:49.0	-15:17:05	300	90	3.0	#171f Local Un	2	
0036.BIAS	0	02:52	23:43:49.0	-15:17:05	300	90	3.0	#171f Local Un	2	these are correct
0037-0045.BIAS	0	02:54	23:43:49.0	-15:17:05	300	90	3.0	#171f Local Un	2	
0046.FLAT	25	02:54	23:43:49.0	-15:17:05	300	90	3.0	#171f Local Un	2	these are correct
0047-0060.FLAT	25	03:03	23:43:49.0	-15:17:05	300	90	3.0	#171f Local Un	2	
0061.COMP	12	07:45	23:43:49.0	-15:17:05	300	90	3.0	#171f Local Un	2	
0062.fmb314	900	08:00	17:24:38.8	+77:55:36	300	90	3.0	#171f Local Un	2	
0063.COMP	12	08:16	17:24:38.8	+77:55:36	300	90	3.0	#171f Local Un	2	
0064.fmb313	1200	08:24	17:24:02.6	+78:02:51	300	90	3.0	#171f Local Un	2	
0065.COMP	12	08:45	17:24:02.6	+78:02:51	300	90	3.0	#171f Local Un	2	
0066.V919Sgr	20	08:51	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0067.V919Sgr	200	08:51	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0068.COMP	12	08:55	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0069.fmb344	1200	09:07	22:35:54.4	+01:29:13	300	90	3.0	#171f Local Un	2	
0070.COMP	12	09:27	22:35:54.4	+01:29:13	300	90	3.0	#171f Local Un	2	
0071.fmb346	1200	09:31	22:36:01.8	+01:28:31	300	90	3.0	#171f Local Un	2	

UT Date 2007-07-19 Observers C HillColl. Focus 1320 Grating/Grism 300

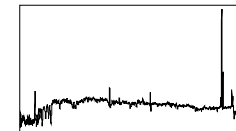
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0072.COMP	12	09:51	22:36:01.8	+01:28:31	300	90	3.0	#171f Local Un	2	
0073.sn2007fs	1800	09:55	22:01:40.4	-21:30:30	300	86	3.0	#2 SN Observat	2	
0074.COMP	12	10:26	22:01:40.4	-21:30:30	300	86	3.0	#2 SN Observat	2	
0075.BDp284211	90	10:30	21:51:11.1	+28:51:53	300	16	3.0	#56 Spectropho	2	
0076.COMP	12	10:32	21:51:11.1	+28:51:53	300	16	3.0	#56 Spectropho	2	
0077.BDp174708	45	10:35	22:11:31.5	+18:05:34	300	55	3.0	#56 Spectropho	2	
0078.COMP	12	10:36	22:11:31.5	+18:05:34	300	55	3.0	#56 Spectropho	2	
0079.N7331	180	10:38	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0080.COMP	12	10:43	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0081.sn2007cq	1500	10:47	22:14:40.4	+05:04:49	300	90	3.0	#2 SN Observat	2	very faint SN
0082.COMP	12	11:13	22:14:40.4	+05:04:49	300	90	3.0	#2 SN Observat	2	
0083.sn2007fb	1500	11:16	23:56:52.4	+05:30:32	300	98	3.0	#2 SN Observat	2	
0084.COMP	12	11:42	23:56:52.4	+05:30:32	300	98	3.0	#2 SN Observat	2	
0085-0094.BIAS	0	11:49	23:56:52.4	+05:30:32	300	90	3.0	#171f Local Un	2	
0095-0109.FLAT	25	11:58	23:56:52.4	+05:30:32	300	90	3.0	#171f Local Un	2	
0110-0119.DARK	900	14:34	23:56:52.4	+05:30:32	300	90	3.0	#171f Local Un	2	

UT Date 2007-07-20 Observers Huchra+MunshiColl. Focus 1320 Grating/Grism 300

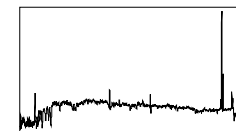
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	21:23	23:56:52.4	+05:30:32	300	90	3.0	#171f Local Un	2	
0002.FLAT	20	21:54	23:56:52.4	+05:30:32	300	90	3.0	#171f Local Un	2	
0003-0012.FLAT	15	23:54	10:53:18.6	+34:12:56	300	90	3.0	#171f Local Un	2	
0013-0022.BIAS	0	00:00	10:53:18.6	+34:12:56	300	90	3.0	#171f Local Un	2	
0023-0028.DARK	900	01:33	10:53:18.6	+34:12:56	300	90	3.0	#171f Local Un	2	
0029.CICyg	2	08:39	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0031.CICyg	20	08:44	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0032.CICyg	60	08:45	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0033.COMP	5	08:46	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0034.20124081-0821221	900	08:59	20:12:40.8	-08:21:22	300	45	3.0	#141 Mapping t	2	
0035.COMP	5	09:15	20:12:40.8	-08:21:22	300	45	3.0	#141 Mapping t	2	
0036.20131413-1612536	600	09:19	20:13:14.1	-16:12:54	300	90	3.0	#141 Mapping t	2	Sum with below
0037.COMP	5	09:29	20:13:14.1	-16:12:54	300	90	3.0	#141 Mapping t	2	
0038.20131413-1612536	600	09:34	20:13:14.1	-16:12:54	300	90	3.0	#141 Mapping t	2	Sum with above
0039.COMP	5	09:45	20:13:14.1	-16:12:54	300	90	3.0	#141 Mapping t	2	
0040.20134299-1654461	1200	09:47	20:13:43.0	-16:54:46	300	90	3.0	#141 Mapping t	2	
0041.COMP	10	10:08	20:13:43.0	-16:54:46	300	90	3.0	#141 Mapping t	2	
0042.sn2007fs	1511	10:18	22:01:40.4	-21:30:30	300	20	3.0	#2 SN Observat	2	PA+10 Stopped by Clouds
0043.COMP	10	10:43	22:01:40.4	-21:30:30	300	20	3.0	#2 SN Observat	2	
0044.sn2007fb	1200	10:48	23:56:52.4	+05:30:32	300	-20	3.0	#2 SN Observat	2	PA-20

UT Date 2007-07-20 Observers Huchra+MunshiColl. Focus 1320 Grating/Grism 300

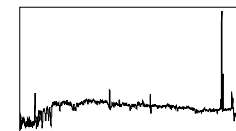
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0045.COMP	10	11:09	23:56:52.4	+05:30:32	300	-20	3.0	#2 SN Observat	2	
0046.BDp284211	60	11:13	21:51:11.1	+28:51:53	300	77	3.0	#56 Spectropho	2	PA+77
0047.COMP	5	11:14	21:51:11.1	+28:51:53	300	77	3.0	#56 Spectropho	2	
0048.M31	180	11:18	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	2	
0049.COMP	5	11:21	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	2	
0050.M32	240	11:23	00:42:42.0	+40:51:57	300	90	3.0	#57 Velocity S	2	
0051.COMP	5	11:28	00:42:42.0	+40:51:57	300	90	3.0	#57 Velocity S	2	
0052.ZAnd	1	11:30	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0053.ZAnd	5	11:30	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0054.ZAnd	10	11:31	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0055.COMP	5	11:31	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0056.EGAnd	1	11:33	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0057.EGAnd	5	11:33	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0058.EGAnd	10	11:34	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0059.COMP	5	11:34	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0060-0069.BIAS	0	11:58	00:44:37.0	+40:40:47	300	90	3.0	#57 Velocity S	2	
0070-0079.FLAT	15	12:03	00:44:37.0	+40:40:47	300	90	3.0	#57 Velocity S	2	
0080-0085.DARK	900	13:21	00:44:37.0	+40:40:47	300	90	3.0	#57 Velocity S	2	

UT Date 2007-07-21 Observers Huchra+MunshiColl. Focus 1320 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0011.BIAS	0	22:29	00:44:37.0	+40:40:47	300	90	3.0	#57 Velocity S	2	
0012-0021.FLAT	15	22:34	00:44:37.0	+40:40:47	300	90	3.0	#57 Velocity S	2	
0022-0027.DARK	900	00:05	00:44:37.0	+40:40:47	300	90	3.0	#57 Velocity S	2	
0028-0038.BIAS	0	07:08	00:44:37.0	+40:40:47	300	90	3.0	#57 Velocity S	2	
0039-0044.DARK	900	10:54	00:44:37.0	+40:40:47	300	90	3.0	#57 Velocity S	2	

UT Date 2007-07-22 Observers Huchra+MunshiColl. Focus 1320 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.BIAS	0	00:10	00:44:37.0	+40:40:47	300	90	3.0	#57 Velocity S	2	
0011-0020.FLAT	15	00:16	00:44:37.0	+40:40:47	300	90	3.0	#57 Velocity S	2	
0021-0025.BIAS	0	00:18	00:44:37.0	+40:40:47	300	90	3.0	#57 Velocity S	2	
0026-0031.DARK	900	01:35	00:44:37.0	+40:40:47	300	90	3.0	#57 Velocity S	2	
0032.BIAS	0	04:53	17:27:22.8	+31:30:34	300	90	3.0	#57 Velocity S	2	Major Power Failure Reboot
0033-0036.BIAS	0	04:58	17:29:25.1	+31:30:34	300	90	3.0	#57 Velocity S	2	
0039.FLAT	15	05:05	17:29:25.1	+31:30:34	300	90	3.0	#57 Velocity S	2	
0040-0049.BIAS	0	05:26	17:29:25.1	+31:30:34	300	90	3.0	#57 Velocity S	2	
0050-0059.FLAT	15	05:32	17:29:25.1	+31:30:34	300	90	3.0	#57 Velocity S	2	

UT Date 2007-07-23 Observers P BerlindColl. Focus 1320 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0026.BIAS	0	03:23	15:41:17.7	+31:30:31	300	90	3.0	#57 Velocity S	2	
0027.BIAS	0	03:23	15:41:17.7	+31:30:31	300	90	3.0	#57 Velocity S	2	cloudy night, end of FAST run
0028-0035.BIAS	0	03:24	15:41:17.7	+31:30:31	300	90	3.0	#57 Velocity S	2	
0036.FLAT	25	03:25	15:41:17.7	+31:30:31	300	90	3.0	#57 Velocity S	2	new structure in flats
0037-0050.FLAT	25	03:34	15:41:17.7	+31:30:31	300	90	3.0	#57 Velocity S	2	
0051-0055.DARK	900	04:41	15:41:17.7	+31:30:31	300	90	3.0	#57 Velocity S	2	
0056.COMP	10	05:00	15:41:17.7	+31:30:31	300	90	3.0	#57 Velocity S	2	