

UT Date 2004-09-02 Observers M CalkinsColl. Focus 931 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	1:46	17:23:52.3	+31:29:59	300	90	3.0	#68 2MASS Reds	4	interesting feature at column 2422
0002.DARK	900	2:01	17:38:59.4	+31:29:53	300	90	3.0	#68 2MASS Reds	4	
0003.DARK	900	2:17	17:54:10.0	+31:29:47	300	90	3.0	#68 2MASS Reds	4	
0004.DARK	900	2:32	18:09:16.8	+31:29:41	300	90	3.0	#68 2MASS Reds	4	
0005.DARK	900	2:47	18:24:27.5	+31:29:36	300	90	3.0	#68 2MASS Reds	4	
0006.DARK	900	3:02	18:39:38.1	+31:29:30	300	90	3.0	#68 2MASS Reds	4	
0007.DARK	900	3:17	18:54:45.0	+31:29:24	300	90	3.0	#68 2MASS Reds	4	
0008.DARK	900	3:32	19:09:55.8	+31:29:19	300	90	3.0	#68 2MASS Reds	4	
0009.DARK	900	3:47	19:25:02.7	+31:29:14	300	90	3.0	#68 2MASS Reds	4	
0010.DARK	900	4:02	19:40:13.8	+31:29:08	300	90	3.0	#68 2MASS Reds	4	
0011-0020.BIAS	0	4:19	19:41:27.7	+31:29:08	300	90	3.0	#68 2MASS Reds	4	
0021-0030.FLAT	6	4:22	19:44:43.0	+31:29:07	300	90	3.0	#68 2MASS Reds	4	
0031-0032.BIAS	0	4:23	19:45:35.0	+31:29:07	300	90	3.0	#68 2MASS Reds	2	
0033-0040.BIAS	0	4:24	19:47:18.6	+31:29:06	300	90	3.0	#68 2MASS Reds	2	
0041-0042.FLAT	12	4:26	19:48:41.2	+31:29:06	300	90	3.0	#68 2MASS Reds	2	
0043-0049.FLAT	12	4:28	19:51:30.5	+31:29:05	300	90	3.0	#68 2MASS Reds	2	
0050.FLAT	12	4:29	19:51:56.2	+31:29:04	300	90	3.0	#68 2MASS Reds	2	
0051.BDp284211	60	5:50	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0052.BDp284211	60	5:51	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0053.COMP	5	5:52	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0054.MRK509	180	6:23	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	4	
0055.MRK509	180	6:26	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	4	
0056.MRK509	180	6:29	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	4	
0057.COMP	5	6:32	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	4	
0058.Akn564	180	6:35	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0059.Akn564	180	6:38	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0060.COMP	12	6:42	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0061.N7469	180	6:46	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0062.N7469	180	6:49	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0063.COMP	12	6:53	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0064.202042p00300_a	900	7:00	20:23:15.4	0:39:52	300	90	3.0	#113 Interacti	2	
0065.202042p00300_a	900	7:15	20:23:15.4	0:39:52	300	90	3.0	#113 Interacti	2	
0066.COMP	12	7:30	20:23:15.4	0:39:52	300	90	3.0	#113 Interacti	2	
0067.202336p01000_a	900	7:32	20:26:9.5	1:9:18	300	90	3.0	#113 Interacti	2	
0068.202336p01000_a	900	7:47	20:26:9.5	1:9:18	300	90	3.0	#113 Interacti	2	
0069.COMP	12	8:03	20:26:9.5	1:9:18	300	90	3.0	#113 Interacti	2	
0070.BDp284211	60	8:11	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0071.BDp284211	60	8:12	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0072.COMP	12	8:14	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0073.XS02810B1_002	900	8:47	00:00:12.7	62:29:46	300	90	3.0	#152 ChaMPlane	2	questionable ID

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0074.COMP	12	9:02	00:00:12.7	62:29:46	300	90	3.0	#152 ChaMPlane	2	
0075.XS02810B3_015	600	9:07	00:00:06.7	62:26:19	300	90	3.0	#152 ChaMPlane	2	questionable ID
0076.COMP	12	9:17	00:00:06.7	62:26:19	300	90	3.0	#152 ChaMPlane	2	
0077.234424p06350_a	1200	9:34	23:46:58.4	6:51:43	300	90	3.0	#113 Interacti	2	
0078.234424p06350_a	1200	9:54	23:46:58.4	6:51:43	300	90	3.0	#113 Interacti	2	
0079.COMP	12	10:14	23:46:58.4	6:51:43	300	90	3.0	#113 Interacti	2	
0080.012612+39090	900	10:18	01:29:02.5	+39:24:23	300	90	3.0	#84f Updated Z	2	
0081.COMP	12	10:33	01:29:02.5	+39:24:23	300	90	3.0	#84f Updated Z	2	
0082.015200+36410	840	10:35	01:54:53.7	+36:55:02	300	90	3.0	#84f Updated Z	2	
0083.COMP	12	10:50	01:54:53.7	+36:55:02	300	90	3.0	#84f Updated Z	2	
0084.053330+31540	60	11:18	05:36:40.9	+31:51:16	300	90	3.0	#84f Updated Z	2	star
0085.COMP	12	11:20	05:36:40.9	+31:51:16	300	90	3.0	#84f Updated Z	2	
0086.031636+41230	180	11:22	03:19:51.6	+41:34:25	300	90	3.0	#84f Updated Z	2	clouds, get again
0087.COMP	12	11:25	03:19:51.6	+41:34:25	300	90	3.0	#84f Updated Z	2	
0088.031636+41230	480	11:26	03:19:51.6	+41:34:25	300	90	3.0	#84f Updated Z	2	
0089.COMP	12	11:34	03:19:51.6	+41:34:25	300	90	3.0	#84f Updated Z	2	
0090.031618+41240	660	11:36	03:19:34.3	+41:34:51	300	90	3.0	#84f Updated Z	2	
0091.COMP	12	11:47	03:19:34.3	+41:34:51	300	90	3.0	#84f Updated Z	2	
0092.033436+01420	780	11:52	03:37:13.6	+01:51:36	300	90	3.0	#84f Updated Z	2	
0093.COMP	12	12:06	03:37:13.6	+01:51:36	300	90	3.0	#84f Updated Z	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>Bir</i>	<i>Comments</i>
0094.Feige24	180	12:14	02:32:31.0	03:30:51	300	90	3.0	#56 Spectropho	2	
0095.COMP	12	12:18	02:32:31.0	03:30:51	300	90	3.0	#56 Spectropho	2	
0096-0105.BIAS	0	12:34	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0106-0115.FLAT	6	12:37	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0116-0125.BIAS	0	12:40	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0126-0135.FLAT	12	12:44	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0136-0145.DARK	900	15:03	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	



UT Date 2004-09-03 Observers M Calkins

Coll. Focus 931 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>Bir</i>	<i>Comments</i>
0001-0010.DARK	900	1:21	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0011-0020.BIAS	0	1:57	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0021-0030.FLAT	6	2:13	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0031-0040.BIAS	0	2:22	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0041-0050.FLAT	12	3:04	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0051-0060.DARK	900	14:50	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	

UT Date 2004-09-04 Observers M CalkinsColl. Focus 1004 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	2:10	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0011-0020.BIAS	0	3:03	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0021-0030.FLAT	6	3:06	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0031-0040.BIAS	0	3:08	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0041-0050.FLAT	12	3:13	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0051.COMP	5	3:15	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	comps for Susan
0052.COMP	5	3:16	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0053.COMP	6	3:17	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0054.COMP	6	3:17	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0055.COMP	6	3:17	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0056.COMP	6	3:17	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0057.COMP	6	3:18	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0058.COMP	6	3:18	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0059.COMP	6	3:18	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0060.COMP	6	3:18	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	4	
0061.COMP	12	3:19	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	comps for Susan
0062.COMP	12	3:20	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0063.COMP	12	3:20	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0064.COMP	12	3:20	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0065.COMP	12	3:21	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	



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Coll. Focus 1004 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>Bir</i>	<i>Comments</i>
0066.COMP	12	3:21	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0067.COMP	12	3:22	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0068.COMP	12	3:22	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0069.COMP	12	3:22	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0070.COMP	12	3:23	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	
0071-0080.DARK	900	14:21	02:32:31.0	03:30:51	300	90	3.0	#113 Interacti	2	

UT Date 2004-09-05 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	0:30	16:04:06.4	+31:30:27	300	90	3.0	#113 Interacti	4	
0011-0012.FLAT	8	0:31	16:04:49.5	+31:30:27	300	90	3.0	#113 Interacti	4	
0013-0020.FLAT	8	0:33	16:07:30.4	+31:30:26	300	90	3.0	#113 Interacti	4	
0021-0022.BIAS	0	0:34	16:08:00.6	+31:30:26	300	90	3.0	#113 Interacti	2	
0023-0030.BIAS	0	0:36	16:09:44.2	+31:30:25	300	90	3.0	#113 Interacti	2	
0031-0032.FLAT	16	0:37	16:10:54.4	+31:30:25	300	90	3.0	#113 Interacti	2	
0033-0037.FLAT	16	0:40	16:13:52.1	+31:30:24	300	90	3.0	#113 Interacti	2	
0038-0040.FLAT	16	0:41	16:15:36.6	+31:30:23	300	90	3.0	#113 Interacti	2	
0041.DARK	900	0:43	16:32:14.4	+31:30:17	300	90	3.0	#113 Interacti	4	
0042.DARK	900	0:58	16:47:29.3	+31:30:12	300	90	3.0	#113 Interacti	4	
0043.DARK	900	1:13	17:02:40.5	+31:30:06	300	90	3.0	#113 Interacti	4	
0044.DARK	900	1:29	17:17:51.9	+31:30:00	300	90	3.0	#113 Interacti	4	
0045.DARK	900	1:44	17:33:07.1	+31:29:55	300	90	3.0	#113 Interacti	4	
0046.DARK	900	1:59	17:48:18.4	+31:29:49	300	90	3.0	#113 Interacti	4	
0047.DARK	900	2:14	18:03:29.6	+31:29:43	300	90	3.0	#113 Interacti	4	
0048.DARK	900	2:29	18:18:41.2	+31:29:37	300	90	3.0	#113 Interacti	4	
0049.DARK	900	2:44	18:33:56.7	+31:29:32	300	90	3.0	#113 Interacti	4	
0050.DARK	900	3:00	18:49:07.8	+31:29:26	300	90	3.0	#113 Interacti	4	
0051.DARK	900	3:15	19:04:23.1	+31:29:20	300	90	3.0	#113 Interacti	2	
0052.DARK	900	3:30	19:19:39.2	+31:29:15	300	90	3.0	#113 Interacti	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>Bir</i>	<i>Comments</i>
0053.DARK	900	3:45	19:34:55.1	+31:29:10	300	90	3.0	#113 Interacti	2	
0054.DARK	900	4:01	19:50:14.1	+31:29:04	300	90	3.0	#113 Interacti	2	
0055.DARK	900	4:16	20:05:30.0	+31:28:59	300	90	3.0	#113 Interacti	2	
0056.DARK	900	4:31	20:20:49.3	+31:28:54	300	90	3.0	#113 Interacti	2	
0057.DARK	900	4:46	20:36:04.9	+31:28:50	300	90	3.0	#113 Interacti	2	
0058.DARK	900	5:02	20:51:24.1	+31:28:46	300	90	3.0	#113 Interacti	2	
0059.DARK	900	5:17	21:06:39.7	+31:28:42	300	90	3.0	#113 Interacti	2	
0060.DARK	900	5:32	21:21:58.8	+31:28:38	300	90	3.0	#113 Interacti	2	

UT Date 2004-09-06 Observers P BerlindColl. Focus 1040 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	21:40	13:32:19.7	+31:31:05	300	90	3.0	#113 Interacti	4	
0002.DARK	900	21:55	13:47:35.1	+31:31:03	300	90	3.0	#113 Interacti	4	
0003.DARK	900	22:10	14:02:46.6	+31:31:00	300	90	3.0	#113 Interacti	4	
0004.DARK	900	22:25	14:17:58.2	+31:30:57	300	90	3.0	#113 Interacti	4	
0005.DARK	900	22:40	14:33:13.4	+31:30:53	300	90	3.0	#113 Interacti	4	
0006.DARK	900	22:56	14:48:25.0	+31:30:50	300	90	3.0	#113 Interacti	4	
0007.DARK	900	23:11	15:03:36.6	+31:30:45	300	90	3.0	#113 Interacti	4	
0008.DARK	900	23:26	15:18:51.7	+31:30:41	300	90	3.0	#113 Interacti	4	
0009.DARK	900	23:41	15:34:02.9	+31:30:37	300	90	3.0	#113 Interacti	4	
0010.DARK	900	23:56	15:49:14.4	+31:30:32	300	90	3.0	#113 Interacti	4	
0011.DARK	900	0:11	16:04:29.9	+31:30:27	300	90	3.0	#113 Interacti	2	
0012.DARK	900	0:27	16:19:45.8	+31:30:22	300	90	3.0	#113 Interacti	2	
0013.DARK	900	0:42	16:35:05.3	+31:30:16	300	90	3.0	#113 Interacti	2	
0014.DARK	900	0:57	16:50:21.4	+31:30:11	300	90	3.0	#113 Interacti	2	
0015.eriksentest	15	1:49	17:10:00	32:00:00	600	90	1.5	#155 Cygnus Sh	4	
0016.eriksenflat	30	1:52	17:10:00	32:00:00	600	90	1.5	#155 Cygnus Sh	4	
0017.eriksenflat	45	1:53	17:10:00	32:00:00	600	90	1.5	#155 Cygnus Sh	4	
0018.eriksenflat	60	1:55	17:10:00	32:00:00	600	90	1.5	#155 Cygnus Sh	4	
0019-0030.BIAS	0	2:03	17:10:00	32:00:00	600	90	1.5	#155 Cygnus Sh	4	
0031-0050.FLAT	55	2:24	17:10:00	32:00:00	600	90	1.5	#155 Cygnus Sh	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0051.FLAT	20	2:42	19:00:00	33:00:00	600	90	1.5	#155 Cygnus Sh	4	
0052.obj7077_6-783	120	2:45	20:52:47.2	32:27:21	600	90	1.5	#155 Cygnus Sh	4	
0053.obj7077_6-783	120	2:47	20:52:47.2	32:27:21	600	90	1.5	#155 Cygnus Sh	4	
0054.COMP	12	2:49	20:52:47.2	32:27:21	600	90	1.5	#155 Cygnus Sh	4	
0055.obj7113_2-252	120	2:51	20:55:22.3	29:45:44	600	90	1.5	#155 Cygnus Sh	4	
0056.obj7113_2-252	120	2:54	20:55:22.3	29:45:44	600	90	1.5	#155 Cygnus Sh	4	
0057.COMP	12	2:56	20:55:22.3	29:45:44	600	90	1.5	#155 Cygnus Sh	4	
0058.obj7074_4-238	120	2:57	20:53:47.4	31:53:28	600	90	1.5	#155 Cygnus Sh	4	
0059.obj7074_4-238	120	3:00	20:53:47.4	31:53:28	600	90	1.5	#155 Cygnus Sh	4	
0060.obj7074_6-583	120	3:02	20:57:17.8	32:28:15	600	90	1.5	#155 Cygnus Sh	4	
0061.obj7074_6-583	120	3:04	20:57:17.8	32:28:15	600	90	1.5	#155 Cygnus Sh	4	
0062.obj7080_4-3353	120	3:07	20:46:18.8	31:58:07	600	90	1.5	#155 Cygnus Sh	4	
0063.COMP	12	3:10	20:46:18.8	31:58:07	600	90	1.5	#155 Cygnus Sh	4	
0064.obj7080_6-302	120	3:12	20:47:51.8	32:14:11	600	90	1.5	#155 Cygnus Sh	4	
0065.obj7080_6-302	120	3:14	20:47:51.8	32:14:11	600	90	1.5	#155 Cygnus Sh	4	
0066.COMP	12	3:16	20:47:51.8	32:14:11	600	90	1.5	#155 Cygnus Sh	4	
0067.obj7095_4-2093	150	3:17	20:50:12.6	30:04:57	600	90	1.5	#155 Cygnus Sh	4	
0068.obj7095_4-2093	150	3:20	20:50:12.6	30:04:57	600	90	1.5	#155 Cygnus Sh	4	
0069.obj7095_4-4097	150	3:23	20:51:00.1	30:06:40	600	90	1.5	#155 Cygnus Sh	4	
0070.obj7095_4-4097	150	3:25	20:51:00.1	30:06:40	600	90	1.5	#155 Cygnus Sh	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0071.COMP	12	3:28	20:51:00.1	30:06:40	600	90	1.5	#155 Cygnus Sh	4	
0072.obj7074_6-229	210	3:29	20:56:25.8	32:26:38	600	90	1.5	#155 Cygnus Sh	4	
0073.obj7074_6-229	210	3:33	20:56:25.8	32:26:38	600	90	1.5	#155 Cygnus Sh	4	
0074.obj7074_7-686	210	3:36	20:57:41.8	32:11:22	600	90	1.5	#155 Cygnus Sh	4	
0075.obj7074_7-686	210	3:40	20:57:41.8	32:11:22	600	90	1.5	#155 Cygnus Sh	4	
0076.COMP	12	3:44	20:57:41.8	32:11:22	600	90	1.5	#155 Cygnus Sh	4	
0077.obj7074_5-184	240	3:44	20:56:18.3	32:31:58	600	90	1.5	#155 Cygnus Sh	4	
0078.obj7074_5-184	240	3:49	20:56:18.3	32:31:58	600	90	1.5	#155 Cygnus Sh	4	
0079.obj7089_1-569	240	3:53	20:46:31.0	31:34:59	600	90	1.5	#155 Cygnus Sh	4	
0080.obj7089_1-569	240	3:57	20:46:31.0	31:34:59	600	90	1.5	#155 Cygnus Sh	4	
0081.COMP	10	4:02	20:46:31.0	31:34:59	600	90	1.5	#155 Cygnus Sh	4	
0082.obj7077_1-307	240	4:03	20:50:02.9	32:36:09	600	90	1.5	#155 Cygnus Sh	4	
0083.obj7077_1-307	240	4:07	20:50:02.9	32:36:09	600	90	1.5	#155 Cygnus Sh	4	
0084.obj7086_1-203	240	4:12	20:50:01.5	31:48:45	600	90	1.5	#155 Cygnus Sh	4	
0085.obj7086_1-203	240	4:16	20:50:01.5	31:48:45	600	90	1.5	#155 Cygnus Sh	4	
0086.COMP	12	4:20	20:50:01.5	31:48:45	600	90	1.5	#155 Cygnus Sh	4	
0087.HD192281	30	4:22	20:10:46.8	40:07:01	600	90	1.5	#155 Cygnus Sh	4	
0088.HD192281	150	4:23	20:10:46.8	40:07:01	600	90	1.5	#155 Cygnus Sh	4	
0089.HD192281	150	4:26	20:10:46.8	40:07:01	600	90	1.5	#155 Cygnus Sh	4	
0090.COMP	12	4:29	20:10:46.8	40:07:01	600	90	1.5	#155 Cygnus Sh	4	

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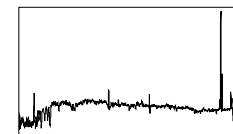
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0091.BDp284211	300	4:30	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	
0092.BDp284211	300	4:35	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	
0093.COMP	12	4:40	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	
0094.obj7113_3-3400	300	4:50	20:55:15.8	29:23:02	600	90	1.5	#155 Cygnus Sh	4	
0095.obj7113_3-3400	300	4:55	20:55:15.8	29:23:02	600	90	1.5	#155 Cygnus Sh	4	
0096.obj7074_6-866	300	5:01	20:58:12.5	32:21:38	600	90	1.5	#155 Cygnus Sh	4	
0097.obj7074_6-866	300	5:06	20:58:12.5	32:21:38	600	90	1.5	#155 Cygnus Sh	4	
0098.COMP	12	5:12	20:58:12.5	32:21:38	600	90	1.5	#155 Cygnus Sh	4	
0099.obj7113_6-353	300	5:13	20:56:50.3	29:41:47	600	90	1.5	#155 Cygnus Sh	4	
0100.obj7113_6-353	300	5:18	20:56:50.3	29:41:47	600	90	1.5	#155 Cygnus Sh	4	
0101.obj7086_5-572	300	5:23	20:53:02.5	31:36:24	600	90	1.5	#155 Cygnus Sh	4	
0102.obj7086_5-572	300	5:28	20:53:02.5	31:36:24	600	90	1.5	#155 Cygnus Sh	4	
0103.COMP	12	5:34	20:53:02.5	31:36:24	600	90	1.5	#155 Cygnus Sh	4	
0104.obj7077_5-68	300	5:35	20:51:39.3	32:41:55	600	90	1.5	#155 Cygnus Sh	4	
0105.obj7077_5-68	300	5:40	20:51:39.3	32:41:55	600	90	1.5	#155 Cygnus Sh	4	
0106.obj7080_7-533	300	5:45	20:48:34.6	32:00:23	600	90	1.5	#155 Cygnus Sh	4	
0107.obj7080_7-533	300	5:51	20:48:34.6	32:00:23	600	90	1.5	#155 Cygnus Sh	4	
0108.COMP	12	5:56	20:48:34.6	32:00:23	600	90	1.5	#155 Cygnus Sh	4	
0109.obj7086_8-838	300	6:01	20:53:35.0	30:56:05	600	90	1.5	#155 Cygnus Sh	4	
0110.obj7086_8-838	300	6:06	20:53:35.0	30:56:05	600	90	1.5	#155 Cygnus Sh	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0111.COMP	12	6:11	20:53:35.0	30:56:05	600	90	1.5	#155 Cygnus Sh	4	
0112.BDp284211	300	6:13	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	
0113.BDp284211	300	6:18	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	
0114.COMP	12	6:23	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	
0115.obj7086_2-41	300	6:26	20:49:23.7	31:34:19	600	90	1.5	#155 Cygnus Sh	4	
0116.obj7086_2-41	300	6:31	20:49:23.7	31:34:19	600	90	1.5	#155 Cygnus Sh	4	
0117.obj7098_1-537	300	6:37	20:46:50.6	30:52:13	600	90	1.5	#155 Cygnus Sh	4	
0118.obj7098_1-537	300	6:42	20:46:50.6	30:52:13	600	90	1.5	#155 Cygnus Sh	4	
0119.COMP	12	6:47	20:46:50.6	30:52:13	600	90	1.5	#155 Cygnus Sh	4	
0120.obj7080_8-1107	300	6:48	20:49:06.9	31:49:27	600	90	1.5	#155 Cygnus Sh	4	
0121.obj7080_8-1107	300	6:53	20:49:06.9	31:49:27	600	90	1.5	#155 Cygnus Sh	4	
0122.obj7098_3-469	300	7:01	20:45:08.0	30:13:54	600	90	1.5	#155 Cygnus Sh	4	
0123.obj7098_3-469	300	7:06	20:45:08.0	30:13:54	600	90	1.5	#155 Cygnus Sh	4	
0124.COMP	12	7:12	20:45:08.0	30:13:54	600	90	1.5	#155 Cygnus Sh	4	
0125.test	10	7:14	23:00:00	32:00:00	600	90	2.0	#155 Cygnus Sh	4	
0126.BDp284211	240	7:15	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	7:20	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0128.hs2901	720	7:23	23:05:10.8	18:54:39	600	90	2.0	#122 Halo Star	4	
0129.COMP	10	7:36	23:05:10.8	18:54:39	600	90	2.0	#122 Halo Star	4	
0130.hs2902	900	7:37	23:05:53.6	20:48:47	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0131.COMP	10	7:52	23:05:53.6	20:48:47	600	90	2.0	#122 Halo Star	4	
0132.hs2903	270	7:53	23:08:20.0	20:28:52	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	7:58	23:08:20.0	20:28:52	600	90	2.0	#122 Halo Star	4	
0134.hs2904	270	7:59	23:08:29.9	17:04:08	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	8:03	23:08:29.9	17:04:08	600	90	2.0	#122 Halo Star	4	
0136.hs2905	270	8:04	23:08:55.5	20:02:22	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	8:09	23:08:55.5	20:02:22	600	90	2.0	#122 Halo Star	4	
0138.hs2906	270	8:10	23:11:06.1	17:36:52	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	8:15	23:11:06.1	17:36:52	600	90	2.0	#122 Halo Star	4	
0140.hs2907	600	8:15	23:11:44.8	19:45:52	600	90	2.0	#122 Halo Star	4	
0141.COMP	10	8:26	23:11:44.8	19:45:52	600	90	2.0	#122 Halo Star	4	
0142.hs2908	240	8:27	23:12:29.3	20:10:39	600	90	2.0	#122 Halo Star	4	
0143.COMP	10	8:32	23:12:29.3	20:10:39	600	90	2.0	#122 Halo Star	4	
0144.hs2909	270	8:33	23:12:30.5	15:52:02	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	8:38	23:12:30.5	15:52:02	600	90	2.0	#122 Halo Star	4	
0146.hs2910	270	8:39	23:12:55.1	22:05:17	600	90	2.0	#122 Halo Star	4	
0147.COMP	10	8:43	23:12:55.1	22:05:17	600	90	2.0	#122 Halo Star	4	
0148.hs2911	240	8:44	23:12:55.4	18:29:47	600	90	2.0	#122 Halo Star	4	
0149.COMP	10	8:49	23:12:55.4	18:29:47	600	90	2.0	#122 Halo Star	4	
0150.hs2912	600	8:50	23:13:31.7	15:25:47	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0151.COMP	10	9:00	23:13:31.7	15:25:47	600	90	2.0	#122 Halo Star	4	
0152.hs2913	270	9:01	23:13:48.2	21:33:37	600	90	2.0	#122 Halo Star	4	
0153.COMP	10	9:06	23:13:48.2	21:33:37	600	90	2.0	#122 Halo Star	4	
0154.hs2914	900	9:07	23:14:02.9	21:03:04	600	90	2.0	#122 Halo Star	4	
0155.COMP	10	9:23	23:14:02.9	21:03:04	600	90	2.0	#122 Halo Star	4	
0156.hs2915	300	9:23	23:14:09.3	15:08:29	600	90	2.0	#122 Halo Star	4	
0157.COMP	10	9:29	23:14:09.3	15:08:29	600	90	2.0	#122 Halo Star	4	
0158.hs2916	900	9:30	23:14:38.2	19:47:50	600	90	2.0	#122 Halo Star	4	
0159.COMP	10	9:45	23:14:38.2	19:47:50	600	90	2.0	#122 Halo Star	4	
0160.hs2917	300	9:46	23:15:15.1	18:03:38	600	90	2.0	#122 Halo Star	4	
0161.COMP	10	9:52	23:15:15.1	18:03:38	600	90	2.0	#122 Halo Star	4	
0162.hs2918	900	9:53	23:15:19.7	21:34:59	600	90	2.0	#122 Halo Star	4	
0163.COMP	10	10:08	23:15:19.7	21:34:59	600	90	2.0	#122 Halo Star	4	
0164.hs2919	420	10:09	23:17:02.8	22:28:39	600	90	2.0	#122 Halo Star	4	
0165.COMP	10	10:17	23:17:02.8	22:28:39	600	90	2.0	#122 Halo Star	4	
0166.hs2920	900	10:17	23:18:13.0	19:04:05	600	90	2.0	#122 Halo Star	4	
0167.COMP	10	10:33	23:18:13.0	19:04:05	600	90	2.0	#122 Halo Star	4	
0168.hs3379	180	10:34	1:30:53.4	23:13:05	600	90	2.0	#122 Halo Star	4	
0169.COMP	10	10:38	1:30:53.4	23:13:05	600	90	2.0	#122 Halo Star	4	
0170.hs3380	600	10:39	1:31:05.1	20:57:03	600	90	2.0	#122 Halo Star	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0171.COMP	10	10:49	1:31:05.1	20:57:03	600	90	2.0	#122 Halo Star	4	
0172.hs3381	360	10:50	1:31:21.6	26:44:04	600	90	2.0	#122 Halo Star	4	
0173.COMP	10	10:56	1:31:21.6	26:44:04	600	90	2.0	#122 Halo Star	4	
0174.hs3382	210	10:57	1:34:07.4	19:57:22	600	90	2.0	#122 Halo Star	4	
0175.COMP	10	11:01	1:34:07.4	19:57:22	600	90	2.0	#122 Halo Star	4	
0176.hs3383	210	11:02	1:36:06.5	18:54:51	600	90	2.0	#122 Halo Star	4	
0177.COMP	10	11:06	1:36:06.5	18:54:51	600	90	2.0	#122 Halo Star	4	
0178.hs3384	210	11:07	1:36:12.8	23:12:24	600	90	2.0	#122 Halo Star	4	
0179.COMP	10	11:11	1:36:12.8	23:12:24	600	90	2.0	#122 Halo Star	4	
0180.hs3385	600	11:12	1:36:14.0	22:16:47	600	90	2.0	#122 Halo Star	4	
0181.COMP	10	11:22	1:36:14.0	22:16:47	600	90	2.0	#122 Halo Star	4	
0182.hs3386	600	11:23	1:37:09.8	17:06:16	600	90	2.0	#122 Halo Star	4	
0183.COMP	10	11:34	1:37:09.8	17:06:16	600	90	2.0	#122 Halo Star	4	
0184.hs3387	240	11:34	1:38:20.4	23:20:04	600	90	2.0	#122 Halo Star	4	
0185.COMP	10	11:39	1:38:20.4	23:20:04	600	90	2.0	#122 Halo Star	4	
0186.hs3388	660	11:40	1:38:30.9	21:27:00	600	90	2.0	#122 Halo Star	4	
0187.COMP	10	11:51	1:40:07.3	21:24:30	600	90	2.0	#122 Halo Star	4	
0188.hs3390	330	11:52	1:40:07.3	21:24:30	600	90	2.0	#122 Halo Star	4	
0189.COMP	10	11:58	1:40:07.3	21:24:30	600	90	2.0	#122 Halo Star	4	
0190.hs3391	330	11:59	1:40:33.7	18:05:58	600	90	2.0	#122 Halo Star	4	



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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>
0191.COMP	10	12:05	1:40:33.7	18:05:58	600	90	2.0	#122 Halo Star	4	
0192-0201.BIAS	0	12:07	1:40:33.7	18:05:58	600	90	2.0	#122 Halo Star	4	
0202-0211.FLAT	24	12:15	1:40:33.7	18:05:58	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	2:47	18:30:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0011-0020.FLAT	8	2:50	18:30:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0021.BIAS	0	2:51	18:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	mostly clear
0022-0030.BIAS	0	2:53	18:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0031-0040.FLAT	16	2:58	18:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0041.TCrB	40	3:01	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0042.TCrB	120	3:02	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0043.COMP	5	3:04	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	new corrector, bad psf
0044.AGDra	3	3:05	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0045.AGDra	6	3:06	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0046.AGDra	20	3:06	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0047.AGDra	100	3:07	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0048.COMP	5	3:09	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0049.sn2004dk	1200	3:12	16:21:48.9	-02:16:17	300	47	3.0	#2 SN Observat	2	
0050.COMP	10	3:32	16:21:48.9	-02:16:17	300	47	3.0	#2 SN Observat	2	
0051.RSOph	20	3:37	17:50:13	-06:42:30	300	28	3.0	#12 Symbiotic	4	
0052.RSOph	90	3:38	17:50:13	-06:42:30	300	28	3.0	#12 Symbiotic	4	
0053.RSOph	180	3:40	17:50:13	-06:42:30	300	28	3.0	#12 Symbiotic	4	
0054.COMP	5	3:43	17:50:13	-06:42:30	300	28	3.0	#12 Symbiotic	4	
0055.YYHer	20	3:47	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0056.YYHer	60	3:47	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0057.YYHer	150	3:49	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0058.COMP	5	3:52	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0059.V443Her	10	3:53	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0060.V443Her	30	3:54	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0061.V443Her	120	3:54	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0062.COMP	5	3:57	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0063.BFCyg	4	3:58	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0064.BFCyg	20	3:59	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0065.BFCyg	100	4:00	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0066.COMP	5	4:01	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0067.CHCyg	2	4:02	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0068.CHCyg	5	4:03	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0069.CHCyg	20	4:03	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0070.COMP	5	4:04	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0071.CICyg	2	4:05	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0072.CICyg	30	4:06	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0073.CICyg	60	4:06	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0074.COMP	5	4:08	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0075.2506_02	1200	4:11	22:56:37.5	+12:41:26	300	90	3.0	#64 Galaxy For	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0076.COMP	5	4:32	22:56:37.5	+12:41:26	300	90	3.0	#64 Galaxy For	4	
0077.2506_01	720	4:32	22:58:08.7	+12:28:28	300	90	3.0	#64 Galaxy For	4	
0078.COMP	5	4:45	22:58:08.7	+12:28:28	300	90	3.0	#64 Galaxy For	4	
0079.2506_03	900	4:45	22:55:50.2	+12:50:55	300	90	3.0	#64 Galaxy For	4	
0080.COMP	5	5:01	22:55:50.2	+12:50:55	300	90	3.0	#64 Galaxy For	4	
0081.2506_04	900	5:01	22:52:39.1	+13:00:39	300	90	3.0	#64 Galaxy For	4	
0082.COMP	5	5:17	22:52:39.1	+13:00:39	300	90	3.0	#64 Galaxy For	4	
0083.2506_05	900	5:17	23:00:03.6	+13:04:27	300	90	3.0	#64 Galaxy For	4	
0084.COMP	5	5:33	23:00:03.6	+13:04:27	300	90	3.0	#64 Galaxy For	4	
0085.2506_06	900	5:34	22:58:04.6	+13:08:59	300	90	3.0	#64 Galaxy For	4	
0086.COMP	5	5:49	22:58:04.6	+13:08:59	300	90	3.0	#64 Galaxy For	4	
0087.2506_07	720	5:50	22:59:36.2	+13:22:11	300	90	3.0	#64 Galaxy For	4	
0088.COMP	5	6:03	22:59:36.2	+13:22:11	300	90	3.0	#64 Galaxy For	4	power failure, close
0089.BDp284211	120	6:39	21:48:57.1	28:37:48	300	68	3.0	#56 Spectropho	2	ok went to gen to fix
0090.BDp284211	180	6:42	21:48:57.1	28:37:48	300	68	3.0	#56 Spectropho	2	
0091.COMP	10	6:45	21:48:57.1	28:37:48	300	68	3.0	#56 Spectropho	2	
0092.BDp174708	75	6:47	22:11:31.4	18:05:34	300	15	3.0	#56 Spectropho	2	
0093.BDp174708	75	6:49	22:11:31.4	18:05:34	300	15	3.0	#56 Spectropho	2	
0094.BDp174708	75	6:50	22:11:31.4	18:05:34	300	15	3.0	#56 Spectropho	2	
0095.COMP	10	6:52	22:11:31.4	18:05:34	300	15	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0096.sn2004ef	330	6:55	22:42:10.0	+19:59:40	300	90	3.0	#2 SN Observat	2	
0097.sn2004ef	1200	7:01	22:42:10.0	+19:59:40	300	90	3.0	#2 SN Observat	2	
0098.COMP	10	7:21	22:42:10.0	+19:59:40	300	90	3.0	#2 SN Observat	2	
0099.Akn564	240	7:23	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0100.Akn564	240	7:27	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0101.COMP	5	7:31	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0102.N7469	180	7:33	23:03:15.7	+08:52:27	300	8	3.0	#6 AGN Monitor	4	
0103.N7469	180	7:36	23:03:15.7	+08:52:27	300	8	3.0	#6 AGN Monitor	4	
0104.COMP	5	7:39	23:03:15.7	+08:52:27	300	8	3.0	#6 AGN Monitor	4	
0105.N7331	150	7:41	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0106.COMP	5	7:44	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0107.ZAnd	3	7:46	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0108.ZAnd	10	7:46	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0109.ZAnd	30	7:46	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0110.COMP	5	7:47	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0111.BDp284211	240	7:52	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	600-line, 2-sec, Warren
0112.COMP	10	7:57	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0113.hs2900	1200	7:58	23:04:46.1	20:20:46	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	8:19	23:04:46.1	20:20:46	600	90	2.0	#122 Halo Star	4	
0115.hs2921	180	8:19	23:18:26.0	17:57:44	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0116.COMP	10	8:23	23:18:26.0	17:57:44	600	90	2.0	#122 Halo Star	4	
0117.hs2922	270	8:24	23:19:39.2	21:55:40	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	8:29	23:19:39.2	21:55:40	600	90	2.0	#122 Halo Star	4	
0119.hs2923	600	8:30	23:19:40.1	17:40:11	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	8:40	23:19:40.1	17:40:11	600	90	2.0	#122 Halo Star	4	
0121.hs2924	240	8:40	23:19:40.9	21:49:11	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	8:45	23:19:40.9	21:49:11	600	90	2.0	#122 Halo Star	4	
0123.hs2925	270	8:46	23:20:05.5	18:17:54	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	8:50	23:20:05.5	18:17:54	600	90	2.0	#122 Halo Star	4	
0125.hs2926	360	8:51	23:21:41.1	19:37:29	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	8:58	23:21:41.1	19:37:29	600	90	2.0	#122 Halo Star	4	
0127.hs2927	600	8:59	23:21:49.7	16:41:50	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	9:09	23:21:49.7	16:41:50	600	90	2.0	#122 Halo Star	4	
0129.hs2928	240	9:10	23:22:00.1	23:17:35	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	9:14	23:22:00.1	23:17:35	600	90	2.0	#122 Halo Star	4	
0131.hs2929	360	9:15	23:22:23.8	20:46:36	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	9:21	23:22:23.8	20:46:36	600	90	2.0	#122 Halo Star	4	
0133.hs2930	480	9:22	23:22:44.2	22:11:33	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	9:30	23:22:44.2	22:11:33	600	90	2.0	#122 Halo Star	4	
0135.hs2931	390	9:31	23:22:50.8	19:01:22	600	90	2.0	#122 Halo Star	4	

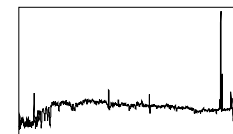
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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0136.COMP	10	9:38	23:22:50.8	19:01:22	600	90	2.0	#122 Halo Star	4	
0137.hs2932	390	9:39	23:23:09.1	22:49:52	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	9:46	23:23:09.1	22:49:52	600	90	2.0	#122 Halo Star	4	
0139.hs2933	390	9:46	23:24:27.4	21:38:51	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	9:53	23:24:27.4	21:38:51	600	90	2.0	#122 Halo Star	4	
0141.hs2934	210	9:54	23:24:30.7	20:48:47	600	90	2.0	#122 Halo Star	4	
0142.COMP	10	9:58	23:24:30.7	20:48:47	600	90	2.0	#122 Halo Star	4	
0143.hs2935	210	9:58	23:25:36.8	21:56:39	600	90	2.0	#122 Halo Star	4	
0144.COMP	10	10:02	23:25:36.8	21:56:39	600	90	2.0	#122 Halo Star	4	
0145.hs2936	900	10:03	23:27:32.4	19:21:11	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	10:18	23:27:32.4	19:21:11	600	90	2.0	#122 Halo Star	4	
0147.hs2937	210	10:19	23:27:54.3	21:29:49	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	10:23	23:27:54.3	21:29:49	600	90	2.0	#122 Halo Star	4	
0149.hs2938	600	10:24	23:28:05.1	19:04:28	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	10:34	23:28:05.1	19:04:28	600	90	2.0	#122 Halo Star	4	
0151.hs2939	420	10:35	23:28:45.1	23:28:33	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	10:43	23:28:45.1	23:28:33	600	90	2.0	#122 Halo Star	4	
0153.hs3378	360	10:45	1:30:44.2	17:02:05	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	10:51	1:30:44.2	17:02:05	600	90	2.0	#122 Halo Star	4	
0155.hs3377	270	10:52	1:29:56.6	19:03:12	600	90	2.0	#122 Halo Star	4	

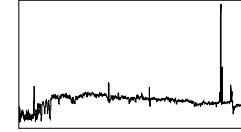


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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0156.COMP	10	10:57	1:29:56.6	19:03:12	600	90	2.0	#122 Halo Star	4	
0157.hs3376	420	10:57	1:29:56.2	22:12:21	600	90	2.0	#122 Halo Star	4	
0158.COMP	10	11:05	1:29:56.2	22:12:21	600	90	2.0	#122 Halo Star	4	
0159.hs3374	300	11:06	1:29:03.4	17:51:12	600	90	2.0	#122 Halo Star	4	
0160.COMP	10	11:11	1:29:03.4	17:51:12	600	90	2.0	#122 Halo Star	4	
0161.hs3375	210	11:12	1:29:51.0	25:57:35	600	90	2.0	#122 Halo Star	4	
0162.COMP	10	11:16	1:29:51.0	25:57:35	600	90	2.0	#122 Halo Star	4	
0163.hs3372	600	11:16	1:28:17.6	15:58:54	600	90	2.0	#122 Halo Star	4	
0164.COMP	10	11:27	1:28:17.6	15:58:54	600	90	2.0	#122 Halo Star	4	
0165.hs3373	240	11:27	1:28:39.9	24:16:15	600	90	2.0	#122 Halo Star	4	
0166.COMP	10	11:32	1:28:39.9	24:16:15	600	90	2.0	#122 Halo Star	4	
0167.hs3371	480	11:34	1:27:41.9	25:35:27	600	90	2.0	#122 Halo Star	4	
0168.COMP	10	11:42	1:27:41.9	25:35:27	600	90	2.0	#122 Halo Star	4	
0169.hs3370	480	11:43	1:25:53.2	18:48:09	600	90	2.0	#122 Halo Star	4	
0170.COMP	10	11:52	1:25:53.2	18:48:09	600	90	2.0	#122 Halo Star	4	
0171.hs3369	240	11:52	1:25:29.5	21:36:30	600	90	2.0	#122 Halo Star	4	
0172.COMP	10	11:56	1:25:29.5	21:36:30	600	90	2.0	#122 Halo Star	4	
0173-0182.BIAS	0	11:59	1:25:29.5	21:36:30	600	90	2.0	#122 Halo Star	4	
0183-0192.FLAT	24	12:04	1:25:29.5	21:36:30	600	90	2.0	#122 Halo Star	4	
0193.COMP	5	12:08	1:25:29.5	21:36:30	300	90	3.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0194.COMP	5	12:10	1:25:29.5	21:36:30	300	90	3.0	#122 Halo Star	4	
0195.COMP	5	12:11	1:25:29.5	21:36:30	300	90	3.0	#122 Halo Star	4	
0196.COMP	5	12:13	1:25:29.5	21:36:30	300	90	3.0	#122 Halo Star	4	
0197.COMP	5	12:16	04:00:19.8	+31:29:03	300	90	3.0	#122 Halo Star	4	
0198.DARK	900	12:17	04:16:10.3	+31:29:09	300	90	3.0	#122 Halo Star	4	
0199.DARK	900	12:33	04:31:25.2	+31:29:14	300	90	3.0	#122 Halo Star	4	
0200.DARK	900	12:48	04:46:36.1	+31:29:20	300	90	3.0	#122 Halo Star	4	
0201.DARK	900	13:03	05:01:50.7	+31:29:25	300	90	3.0	#122 Halo Star	4	
0202.DARK	900	13:18	05:17:01.8	+31:29:31	300	90	3.0	#122 Halo Star	4	
0203.DARK	900	13:33	05:32:13.4	+31:29:37	300	90	3.0	#122 Halo Star	4	
0204.DARK	900	13:48	05:47:28.0	+31:29:43	300	90	3.0	#122 Halo Star	4	
0205.DARK	900	14:04	06:02:39.4	+31:29:48	300	90	3.0	#122 Halo Star	4	
0206.DARK	900	14:19	06:17:50.9	+31:29:54	300	90	3.0	#122 Halo Star	4	
0207.DARK	900	14:34	06:33:05.9	+31:30:00	300	90	3.0	#122 Halo Star	4	
0208.DARK	900	14:49	06:48:17.4	+31:30:06	300	90	3.0	#122 Halo Star	2	
0209.DARK	900	15:04	07:03:36.5	+31:30:11	300	90	3.0	#122 Halo Star	2	
0210.DARK	900	15:20	07:18:52.7	+31:30:17	300	90	3.0	#122 Halo Star	2	
0211.DARK	900	15:35	07:34:11.9	+31:30:22	300	90	3.0	#122 Halo Star	2	
0212.DARK	900	15:50	07:49:28.2	+31:30:27	300	90	3.0	#122 Halo Star	2	
0213.DARK	900	16:05	08:04:47.3	+31:30:32	300	90	3.0	#122 Halo Star	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>
0214.DARK	900	16:21	08:20:06.8	+31:30:37	300	90	3.0	#122 Halo Star	2	
0215.DARK	900	16:36	08:35:22.6	+31:30:42	300	90	3.0	#122 Halo Star	2	
0216.DARK	900	16:51	08:50:41.9	+31:30:46	300	90	3.0	#122 Halo Star	2	
0217.DARK	900	17:06	09:05:57.3	+31:30:50	300	90	3.0	#122 Halo Star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	4:01	20:02:04.7	+31:29:00	300	90	3.0	#122 Halo Star	4	
0002.DARK	900	4:16	20:17:11.3	+31:28:55	300	90	3.0	#122 Halo Star	4	
0003.DARK	900	4:31	20:32:21.6	+31:28:50	300	90	3.0	#122 Halo Star	4	
0004.DARK	900	4:46	20:47:32.0	+31:28:46	300	90	3.0	#122 Halo Star	4	
0005.DARK	900	5:01	21:02:38.5	+31:28:42	300	90	3.0	#122 Halo Star	4	
0006.DARK	900	5:16	21:17:48.9	+31:28:38	300	90	3.0	#122 Halo Star	4	
0007.DARK	900	5:31	21:32:55.6	+31:28:34	300	90	3.0	#122 Halo Star	4	
0008.DARK	900	5:46	21:48:05.9	+31:28:31	300	90	3.0	#122 Halo Star	4	
0009.DARK	900	6:01	22:03:16.3	+31:28:28	300	90	3.0	#122 Halo Star	4	
0010.DARK	900	6:17	22:18:23.0	+31:28:26	300	90	3.0	#122 Halo Star	4	
0011-0020.BIAS	0	7:28	23:15:02.6	+31:28:19	300	90	3.0	#122 Halo Star	4	
0021-0030.FLAT	6	7:30	23:17:25.7	+31:28:19	300	90	3.0	#122 Halo Star	4	
0031-0040.BIAS	0	7:33	23:19:39.7	+31:28:19	300	90	3.0	#122 Halo Star	2	
0041-0050.FLAT	12	7:37	23:23:43.0	+31:28:19	300	90	3.0	#122 Halo Star	2	
0051.BDp284211	70	7:40	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0052.BDp284211	70	7:42	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0053.COMP	12	7:43	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0054.sn2004ef	1500	7:48	22:42:10.0	+19:59:40	300	43	3.0	#2 SN Observat	2	row=91
0055.sn2004ef	1500	8:14	22:42:10.0	+19:59:40	300	43	3.0	#2 SN Observat	2	
0056.COMP	12	8:39	22:42:10.0	+19:59:40	300	43	3.0	#2 SN Observat	2	



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Coll. Focus 1020 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>
0057.sn2004dt	600	11:32	02:02:12.7	-00:05:51	300	28	3.0	#2 SN Observat	2	fast moving hole, row=91
0058.COMP	12	11:43	02:02:12.7	-00:05:51	300	28	3.0	#2 SN Observat	2	
0059-0068.DARK	900	14:59	01:29:02.5	+39:24:23	300	90	3.0	#84f Updated Z	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	1:27	01:29:02.5	+39:24:23	300	90	3.0	#84f Updated Z	4	
0011-0020.BIAS	0	1:43	01:29:02.5	+39:24:23	300	90	3.0	#56 Spectropho	4	
0021-0030.FLAT	6	1:55	01:29:02.5	+39:24:23	300	90	3.0	#56 Spectropho	4	
0031-0040.BIAS	0	1:59	01:29:02.5	+39:24:23	300	90	3.0	#56 Spectropho	2	
0041-0050.FLAT	12	2:03	01:29:02.5	+39:24:23	300	90	3.0	#56 Spectropho	2	
0051.3C390.3	300	3:31	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	working some holes...
0052.3C390.3	300	3:37	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0053.3C390.3	300	3:42	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0054.COMP	12	3:47	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0055.BDp284211	90	3:55	21:48:57.1	28:37:48	300	104	3.0	#56 Spectropho	2	
0056.BDp284211	90	3:57	21:48:57.1	28:37:48	300	104	3.0	#56 Spectropho	2	
0057.COMP	12	3:59	21:48:57.1	28:37:48	300	104	3.0	#56 Spectropho	2	
0058.K98-15	150	4:27	20:51:41.1	75:14:29	300	90	3.0	#156 Cepheus P	2	
0059.COMP	12	4:30	20:51:41.1	75:14:29	300	90	3.0	#156 Cepheus P	2	
0060.K98-17	300	4:33	20:52:13.3	77:50:37	300	90	3.0	#156 Cepheus P	2	need more cnts, get again
0061.COMP	12	4:39	20:52:13.3	77:50:37	300	90	3.0	#156 Cepheus P	2	
0062.K98-17	600	4:40	20:52:13.3	77:50:37	300	90	3.0	#156 Cepheus P	2	
0063.COMP	12	4:50	20:52:13.3	77:50:37	300	90	3.0	#156 Cepheus P	2	
0064.sn2004ao	900	4:55	17:28:09.3	+07:24:55	300	55	3.0	#2 SN Observat	2	row=86
0065.sn2004ao	900	5:10	17:28:09.3	+07:24:55	300	55	3.0	#2 SN Observat	2	

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0066.COMP	12	5:25	17:28:09.3	+07:24:55	300	55	3.0	#2 SN Observat	2	
0067.sn2004ef	1200	5:29	22:42:10.0	+19:59:40	300	-50	3.0	#2 SN Observat	2	
0068.COMP	12	5:50	22:42:10.0	+19:59:40	300	-50	3.0	#2 SN Observat	2	
0069.K98-21	420	5:57	20:54:53.1	78:47:02	300	89	3.0	#156 Cepheus P	2	
0070.COMP	12	6:04	20:54:53.1	78:47:02	300	89	3.0	#156 Cepheus P	2	
0071.IRAS20535+7439	210	6:06	20:53:06.3	74:50:35	300	89	3.0	#156 Cepheus P	2	
0072.COMP	12	6:10	20:53:06.3	74:50:35	300	89	3.0	#156 Cepheus P	2	
0073.2506_08	900	6:15	22:59:12.0	+13:36:05	300	40	3.0	#64 Galaxy For	2	orw=61-103, nice Halpha rot curve
0074.COMP	12	6:30	22:59:12.0	+13:36:05	300	40	3.0	#64 Galaxy For	2	
0075.2506_09	780	6:33	22:58:08.0	+13:45:08	300	90	3.0	#64 Galaxy For	2	
0076.COMP	12	6:46	22:58:08.0	+13:45:08	300	90	3.0	#64 Galaxy For	2	
0077.2506_10	720	6:47	22:57:55.8	+14:08:59	300	90	3.0	#64 Galaxy For	2	
0078.COMP	12	7:00	22:57:55.8	+14:08:59	300	90	3.0	#64 Galaxy For	2	
0079.2634_01	660	7:01	23:38:43.8	+26:25:31	300	90	3.0	#64 Galaxy For	2	
0080.COMP	12	7:13	23:38:43.8	+26:25:31	300	90	3.0	#64 Galaxy For	2	
0081.2634_02	960	7:26	23:35:40.7	+26:26:36	300	90	3.0	#64 Galaxy For	2	
0082.COMP	12	7:42	23:35:40.7	+26:26:36	300	90	3.0	#64 Galaxy For	2	
0083.2634_03	660	7:43	23:36:03.0	+26:27:20	300	90	3.0	#64 Galaxy For	2	
0084.COMP	12	7:55	23:36:03.0	+26:27:20	300	90	3.0	#64 Galaxy For	2	
0085.2634_04	480	7:56	23:41:57.5	+26:44:15	300	90	3.0	#64 Galaxy For	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0086.COMP	12	8:05	23:41:57.5	+26:44:15	300	90	3.0	#64 Galaxy For	2	
0087.2634_05	600	8:06	23:35:16.0	+26:44:48	300	90	3.0	#64 Galaxy For	2	row=87
0088.COMP	12	8:17	23:35:16.0	+26:44:48	300	90	3.0	#64 Galaxy For	2	
0089.2634_06	900	8:18	23:41:59.5	+26:48:14	300	90	3.0	#64 Galaxy For	2	
0090.COMP	12	8:34	23:41:59.5	+26:48:14	300	90	3.0	#64 Galaxy For	2	
0091.M33xrb	900	8:36	01:33:41.6	30:32:20	300	90	3.0	#126 GRB	2	
0092.COMP	12	8:51	01:33:41.6	30:32:20	300	90	3.0	#126 GRB	2	
0093.003512p05560_c	1050	9:11	0:37:42.6	6:13:59	300	90	3.0	#113 Interacti	2	
0094.003512p05560_c	1050	9:28	0:37:42.6	6:13:59	300	90	3.0	#113 Interacti	2	
0095.COMP	12	9:46	0:37:42.6	6:13:59	300	90	3.0	#113 Interacti	2	
0096.004154p16320_c	1050	9:48	0:44:33.3	16:50:12	300	90	3.0	#113 Interacti	2	
0097.004154p16320_c	1050	10:05	0:44:33.3	16:50:12	300	90	3.0	#113 Interacti	2	
0098.COMP	12	10:23	0:44:33.3	16:50:12	300	90	3.0	#113 Interacti	2	
0099.014400p34320_e	1200	10:26	1:47:19.0	35:35:10	300	90	3.0	#113 Interacti	2	row=87
0100.014400p34320_e	1200	10:46	1:47:19.0	35:35:10	300	90	3.0	#113 Interacti	2	
0101.COMP	12	11:06	1:47:19.0	35:35:10	300	90	3.0	#113 Interacti	2	
0102.023654p10350.b	900	11:09	2:39:24.6	10:45:33	300	45	3.0	#113 Interacti	2	
0103.023654p10350.b	900	11:24	2:39:24.6	10:45:33	300	45	3.0	#113 Interacti	2	passing clouds, grrrr
0104.COMP	12	11:39	2:39:24.6	10:45:33	300	45	3.0	#113 Interacti	2	
0105.030230+05400	300	11:41	03:05:13.5	+05:51:15	300	90	3.0	#84f Updated Z	2	Halpha



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0106.COMP	12	11:47	03:05:13.5	+05:51:15	300	90	3.0	#84f Updated Z	2	
0107.025542+03400	900	11:48	02:58:22.1	+03:51:47	300	60	3.0	#84f Updated Z	2	
0108.COMP	12	12:04	02:58:22.1	+03:51:47	300	60	3.0	#84f Updated Z	2	
0109.031636+41230	420	12:06	03:19:51.6	+41:34:25	300	90	3.0	#84f Updated Z	2	
0110.COMP	12	12:14	03:19:51.6	+41:34:25	300	90	3.0	#84f Updated Z	2	
0111.Hiltner600	60	12:22	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0112.COMP	12	12:24	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0113-0117.sky	2	12:48	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0118.COMP	5	12:49	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0119-0128.BIAS	0	12:51	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0129-0138.FLAT	6	12:54	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0139-0148.BIAS	0	12:57	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0149-0158.FLAT	12	13:03	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0159-0168.DARK	900	15:21	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	

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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	

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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	

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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	

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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	

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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	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	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	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	1:25	17:22:33.4	+31:29:59	300	90	3.0	#64 Galaxy For	4	
0011-0018.FLAT	8	1:27	17:25:14.5	+31:29:58	300	90	3.0	#64 Galaxy For	4	
0019-0020.FLAT	8	1:28	17:25:57.4	+31:29:57	300	90	3.0	#64 Galaxy For	4	
0021-0029.BIAS	0	1:30	17:27:54.9	+31:29:57	300	90	3.0	#64 Galaxy For	2	
0030.BIAS	0	1:30	17:28:07.7	+31:29:56	300	90	3.0	#64 Galaxy For	2	
0031-0034.FLAT	16	1:32	17:30:31.0	+31:29:56	300	90	3.0	#64 Galaxy For	2	
0035-0038.FLAT	16	1:35	17:32:53.8	+31:29:55	300	90	3.0	#64 Galaxy For	2	
0039-0040.FLAT	16	1:36	17:34:04.4	+31:29:54	300	90	3.0	#64 Galaxy For	2	
0041-0045.sky	3	1:49	17:47:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	1:50	17:47:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0047.2M16081980+1037464	210	2:26	16:8:19.8	+10:37:46	300	90	3.0	#141 Mapping t	4	
0048.COMP	5	2:30	16:8:19.8	+10:37:46	300	90	3.0	#141 Mapping t	4	
0049.2M16003286-1035586	330	2:31	16:0:32.8	-10:35:58	300	90	3.0	#141 Mapping t	4	
0050.COMP	5	2:37	16:0:32.8	-10:35:58	300	90	3.0	#141 Mapping t	4	
0051.2M15570197-0609183	360	2:38	15:57:1.9	-06:09:18	300	90	3.0	#141 Mapping t	4	
0052.COMP	5	2:44	15:57:1.9	-06:09:18	300	90	3.0	#141 Mapping t	4	
0053.2M15575168-0632091	360	2:46	15:57:51.6	-06:32:9	300	90	3.0	#141 Mapping t	4	
0054.COMP	5	2:52	15:57:51.6	-06:32:9	300	90	3.0	#141 Mapping t	4	
0055.2M15571185-0132251	420	2:53	15:57:11.8	-01:32:25	300	90	3.0	#141 Mapping t	4	
0056.COMP	5	3:00	15:57:11.8	-01:32:25	300	90	3.0	#141 Mapping t	4	



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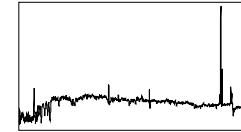
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0057.2M16034839-0149487	240	3:01	16:3:48.3	-01:49:48	300	90	3.0	#141 Mapping t	4	
0058.COMP	5	3:06	16:3:48.3	-01:49:48	300	90	3.0	#141 Mapping t	4	
0059.2M16051968-0223247	300	3:07	16:5:19.6	-02:23:24	300	90	3.0	#141 Mapping t	4	
0060.COMP	5	3:12	16:5:19.6	-02:23:24	300	90	3.0	#141 Mapping t	4	
0061.2M16070628-0336278	300	3:14	16:7:6.2	-03:36:27	300	90	3.0	#141 Mapping t	4	
0062.COMP	5	3:19	16:7:6.2	-03:36:27	300	90	3.0	#141 Mapping t	4	
0063.2M16062329+0212491	240	3:20	16:6:23.2	+02:12:49	300	90	3.0	#141 Mapping t	4	
0064.COMP	5	3:24	16:6:23.2	+02:12:49	300	90	3.0	#141 Mapping t	4	
0065.2M15565277+2534067	240	3:25	15:56:52.7	+25:34:6	300	90	3.0	#141 Mapping t	4	
0066.COMP	5	3:30	15:56:52.7	+25:34:6	300	90	3.0	#141 Mapping t	4	
0067.2M16000451+5147482	210	3:31	16:0:4.5	+51:47:48	300	90	3.0	#141 Mapping t	4	
0068.COMP	5	3:35	16:0:4.5	+51:47:48	300	90	3.0	#141 Mapping t	4	
0069.2M16075515+5952362	180	3:35	16:7:55.1	+59:52:36	300	90	3.0	#141 Mapping t	4	
0070.COMP	5	3:39	16:7:55.1	+59:52:36	300	90	3.0	#141 Mapping t	4	
0071.2M16082064+5749271	210	3:39	16:8:20.6	+57:49:27	300	90	3.0	#141 Mapping t	4	
0072.COMP	5	3:43	16:8:20.6	+57:49:27	300	90	3.0	#141 Mapping t	4	
0073.2M16142322+6249190	270	3:44	16:14:23.2	+62:49:19	300	90	3.0	#141 Mapping t	4	
0074.COMP	5	3:50	16:14:23.2	+62:49:19	300	90	3.0	#141 Mapping t	4	
0075.2M16151766+6242282	330	3:50	16:15:17.6	+62:42:28	300	90	3.0	#141 Mapping t	4	
0076.COMP	5	3:56	16:15:17.6	+62:42:28	300	90	3.0	#141 Mapping t	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0077.2M16471566+3355568	270	3:57	16:47:15.6	+33:55:56	300	90	3.0	#141 Mapping t	4	
0078.COMP	5	4:02	16:47:15.6	+33:55:56	300	90	3.0	#141 Mapping t	4	
0079.2M16481637+2408427	240	4:03	16:48:16.3	+24:08:42	300	90	3.0	#141 Mapping t	4	
0080.COMP	5	4:07	16:48:16.3	+24:08:42	300	90	3.0	#141 Mapping t	4	
0081.2M17110945+2104052	270	4:08	17:11:9.4	+21:04:5	300	90	3.0	#141 Mapping t	4	
0082.COMP	5	4:12	17:11:9.4	+21:04:5	300	90	3.0	#141 Mapping t	4	
0083.2M19044650-0338240	1800	4:15	19:04:46.5	-03:38:24	300	90	3.0	#141 Mapping t	2	target at row 81
0084.COMP	10	4:45	19:04:46.5	-03:38:24	300	90	3.0	#141 Mapping t	2	
0085.2M19445030+3245390	1800	4:48	19:44:50.3	+32:45:39	300	75	3.0	#141 Mapping t	2	target at row 80
0086.COMP	10	5:19	19:44:50.3	+32:45:39	300	75	3.0	#141 Mapping t	2	
0087.2M20373950+5718230	1800	5:21	20:37:39.5	+57:18:23	300	70	3.0	#141 Mapping t	2	
0088.COMP	10	5:51	20:37:39.5	+57:18:23	300	70	3.0	#141 Mapping t	2	
0089.BDp284211	90	5:54	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0090.BDp284211	90	5:55	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0091.BDp284211	90	5:57	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0092.COMP	10	5:59	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0093.MRK509	180	6:02	20:44:09.8	-10:43:24	300	23	3.0	#6 AGN Monitor	4	
0094.MRK509	180	6:05	20:44:09.8	-10:43:24	300	23	3.0	#6 AGN Monitor	4	
0095.COMP	5	6:08	20:44:09.8	-10:43:24	300	23	3.0	#6 AGN Monitor	4	
0096.BDp174708	45	6:11	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0097.BDp174708	45	6:12	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0098.BDp174708	45	6:14	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0099.COMP	10	6:16	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0100.2M21483235-0608450	300	6:17	21:48:32.3	-06:08:45	300	0	3.0	#141 Mapping t	2	
0101.COMP	10	6:22	21:48:32.3	-06:08:45	300	0	3.0	#141 Mapping t	2	
0102.2M21512162-0923118	240	6:23	21:51:21.6	-09:23:11	300	0	3.0	#141 Mapping t	4	
0103.COMP	5	6:27	21:51:21.6	-09:23:11	300	0	3.0	#141 Mapping t	4	
0104.2M21504776+0249091	240	6:29	21:50:47.7	+02:49:9	300	0	3.0	#141 Mapping t	4	
0105.COMP	5	6:34	21:50:47.7	+02:49:9	300	0	3.0	#141 Mapping t	4	
0106.2M22062052+0107155	240	6:34	22:6:20.5	+01:07:15	300	0	3.0	#141 Mapping t	4	
0107.COMP	5	6:39	22:6:20.5	+01:07:15	300	0	3.0	#141 Mapping t	4	
0108.2M22053550-0532100	270	6:40	22:5:35.5	-05:32:10	300	0	3.0	#141 Mapping t	4	
0109.COMP	5	6:45	22:5:35.5	-05:32:10	300	0	3.0	#141 Mapping t	4	
0110.2M22071696-0732373	270	6:45	22:7:16.9	-07:32:37	300	0	3.0	#141 Mapping t	4	
0111.COMP	5	6:50	22:7:16.9	-07:32:37	300	0	3.0	#141 Mapping t	4	
0112.2M22075105-0817521	270	6:51	22:7:51.0	-08:17:52	300	0	3.0	#141 Mapping t	4	
0113.COMP	5	6:55	22:7:51.0	-08:17:52	300	0	3.0	#141 Mapping t	4	
0114.2M22120351-0734436	270	6:56	22:12:3.5	-07:34:43	300	0	3.0	#141 Mapping t	4	
0115.COMP	5	7:01	22:12:3.5	-07:34:43	300	0	3.0	#141 Mapping t	4	
0116.2M22152557-0339182	270	7:02	22:15:25.5	-03:39:18	300	0	3.0	#141 Mapping t	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0117.COMP	5	7:07	22:15:25.5	-03:39:18	300	0	3.0	#141 Mapping t	4	
0118.2M22212026-1031037	240	7:07	22:21:20.2	-10:31:3	300	0	3.0	#141 Mapping t	4	
0119.COMP	5	7:12	22:21:20.2	-10:31:3	300	0	3.0	#141 Mapping t	4	
0120.N7469	120	7:13	23:03:15.7	+08:52:27	300	6	3.0	#6 AGN Monitor	4	
0121.N7469	120	7:15	23:03:15.7	+08:52:27	300	6	3.0	#6 AGN Monitor	4	
0122.COMP	5	7:17	23:03:15.7	+08:52:27	300	6	3.0	#6 AGN Monitor	4	
0123.Akn564	180	7:19	22:42:39.4	+29:43:31	300	77	3.0	#6 AGN Monitor	4	
0124.Akn564	180	7:22	22:42:39.4	+29:43:31	300	77	3.0	#6 AGN Monitor	4	
0125.COMP	5	7:25	22:42:39.4	+29:43:31	300	77	3.0	#6 AGN Monitor	4	
0126.214748+34430	900	7:28	21:49:59.5	+34:56:52	300	109	3.0	#84f Updated Z	4	all gal, away from sup star
0127.COMP	5	7:44	21:49:59.5	+34:56:52	300	109	3.0	#84f Updated Z	4	
0128.sn2004ef	1200	7:46	22:42:10.0	+19:59:40	300	50	3.0	#2 SN Observat	2	
0129.COMP	10	8:07	22:42:10.0	+19:59:40	300	50	3.0	#2 SN Observat	2	
0130.2634_07	600	8:08	23:34:28.9	+27:12:48	300	90	3.0	#64 Galaxy For	4	
0131.COMP	5	8:18	23:34:28.9	+27:12:48	300	90	3.0	#64 Galaxy For	4	
0132.2634_08	480	8:19	23:40:42.6	+27:45:26	300	90	3.0	#64 Galaxy For	4	
0133.COMP	5	8:27	23:40:42.6	+27:45:26	300	90	3.0	#64 Galaxy For	4	
0134.2634_09	600	8:28	23:36:23.2	+27:51:23	300	90	3.0	#64 Galaxy For	4	
0135.COMP	5	8:38	23:36:23.2	+27:51:23	300	90	3.0	#64 Galaxy For	4	
0136.2634_10	660	8:39	23:39:15.8	+27:52:05	300	90	3.0	#64 Galaxy For	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0137.COMP	5	8:50	23:39:15.8	+27:52:05	300	90	3.0	#64 Galaxy For	4	
0138.2634_11	720	8:51	23:37:12.7	+27:56:02	300	90	3.0	#64 Galaxy For	4	
0139.COMP	5	9:04	23:37:12.7	+27:56:02	300	90	3.0	#64 Galaxy For	4	
0140.2657_01	600	9:05	23:44:11.7	+08:28:52	300	90	3.0	#64 Galaxy For	4	
0141.COMP	5	9:15	23:44:11.7	+08:28:52	300	90	3.0	#64 Galaxy For	4	
0142.2657_02	600	9:16	23:44:00.4	+08:35:11	300	90	3.0	#64 Galaxy For	4	
0143.COMP	5	9:26	23:44:00.4	+08:35:11	300	90	3.0	#64 Galaxy For	4	
0144.2657_03	720	9:27	23:44:45.3	+08:35:41	300	90	3.0	#64 Galaxy For	4	
0145.COMP	5	9:39	23:44:45.3	+08:35:41	300	90	3.0	#64 Galaxy For	4	
0146.2657_04	600	9:40	23:43:14.1	+08:38:48	300	90	3.0	#64 Galaxy For	4	
0147.COMP	5	9:50	23:43:14.1	+08:38:48	300	90	3.0	#64 Galaxy For	4	
0148.sn2004dt	1200	9:53	02:02:12.7	-00:05:51	300	2	3.0	#2 SN Observat	2	
0149.COMP	10	10:14	02:02:12.7	-00:05:51	300	2	3.0	#2 SN Observat	2	
0150.ZAnd	1	10:16	23:33:40	48:49:06	300	88	3.0	#12 Symbiotic	4	
0151.ZAnd	2	10:16	23:33:40	48:49:06	300	88	3.0	#12 Symbiotic	4	
0152.ZAnd	5	10:17	23:33:40	48:49:06	300	88	3.0	#12 Symbiotic	4	
0153.ZAnd	15	10:17	23:33:40	48:49:06	300	88	3.0	#12 Symbiotic	4	
0154.COMP	5	10:18	23:33:40	48:49:06	300	88	3.0	#12 Symbiotic	4	
0155.MRK335	150	10:19	00:06:19.6	+20:12:11	300	64	3.0	#6 AGN Monitor	4	
0156.MRK335	150	10:22	00:06:19.6	+20:12:11	300	64	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0157.COMP	5	10:25	00:06:19.6	+20:12:11	300	64	3.0	#6 AGN Monitor	4	
0158.sn2004ei	1200	10:27	03:41:32.6	+37:13:30	300	71	3.0	#2 SN Observat	2	
0159.COMP	10	10:48	03:41:32.6	+37:13:30	300	71	3.0	#2 SN Observat	2	
0160.256_01	480	10:51	01:45:53.8	-04:14:49	300	90	3.0	#64 Galaxy For	4	
0161.COMP	5	10:59	01:45:53.8	-04:14:49	300	90	3.0	#64 Galaxy For	4	
0162.189_01	480	11:00	01:21:52.0	+01:16:51	300	90	3.0	#64 Galaxy For	4	
0163.COMP	5	11:09	01:21:52.0	+01:16:51	300	90	3.0	#64 Galaxy For	4	
0164.189_02	480	11:09	01:23:25.0	+01:26:00	300	90	3.0	#64 Galaxy For	4	faint gal, brighter sup star
0165.COMP	5	11:17	01:23:25.0	+01:26:00	300	90	3.0	#64 Galaxy For	4	
0166.189_03	480	11:19	01:21:32.3	+01:32:47	300	90	3.0	#64 Galaxy For	4	
0167.COMP	5	11:27	01:21:32.3	+01:32:47	300	90	3.0	#64 Galaxy For	4	
0168.189_04	480	11:28	01:21:48.3	+01:34:15	300	90	3.0	#64 Galaxy For	4	
0169.COMP	5	11:36	01:21:48.3	+01:34:15	300	90	3.0	#64 Galaxy For	4	
0170.189_05	480	11:37	01:23:53.6	+02:04:15	300	90	3.0	#64 Galaxy For	2	target at row 84
0171.COMP	10	11:46	01:23:53.6	+02:04:15	300	90	3.0	#64 Galaxy For	2	
0172.189_06	660	11:47	01:22:03.8	+02:05:30	300	90	3.0	#64 Galaxy For	4	
0173.COMP	5	11:58	01:22:03.8	+02:05:30	300	90	3.0	#64 Galaxy For	4	
0174.260_12	240	11:59	01:49:55.8	+32:47:38	300	90	3.0	#64 Galaxy For	4	
0175.COMP	5	12:03	01:49:55.8	+32:47:38	300	90	3.0	#64 Galaxy For	4	
0176.HD12623	4	12:05	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	4	

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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>Bir</i>	<i>Comments</i>
0177.HD12623	4	12:05	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	4	
0178.HD12623	4	12:05	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	4	
0179.COMP	5	12:06	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	4	
0180-0189.BIAS	0	12:09	02:02:19	+62:56:04	300	90	3.0	#141 Mapping t	4	
0190-0199.FLAT	8	12:12	02:02:19	+62:56:04	300	90	3.0	#141 Mapping t	4	
0200-0209.BIAS	0	12:14	02:02:19	+62:56:04	300	90	3.0	#141 Mapping t	2	
0210-0219.FLAT	16	12:20	02:02:19	+62:56:04	300	90	3.0	#141 Mapping t	2	
0220-0229.DARK	900	14:40	02:02:19	+62:56:04	300	90	3.0	#141 Mapping t	4	
0230-0239.DARK	900	17:12	02:02:19	+62:56:04	300	90	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0005.DARK	900	1:06	02:02:19	+62:56:04	300	90	3.0	#141 Mapping t	4	
0006-0020.BIAS	0	1:28	02:02:19	+62:56:04	300	90	3.0	#141 Mapping t	4	
0021-0030.FLAT	8	1:31	02:02:19	+62:56:04	300	90	3.0	#141 Mapping t	4	
0031-0040.BIAS	0	1:33	02:02:19	+62:56:04	300	90	3.0	#141 Mapping t	2	
0041-0050.FLAT	16	1:39	02:02:19	+62:56:04	300	90	3.0	#141 Mapping t	2	
0051-0055.sky	3	1:50	17:42:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	1:50	17:42:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.2M16263744+1341006	240	2:31	16:26:37.4	+13:41:0	300	90	3.0	#141 Mapping t	4	
0058.COMP	5	2:35	16:26:37.4	+13:41:0	300	90	3.0	#141 Mapping t	4	
0059.2M16121361-0201516	360	2:38	16:12:13.6	-02:01:51	300	90	3.0	#141 Mapping t	4	
0060.COMP	5	2:44	16:12:13.6	-02:01:51	300	90	3.0	#141 Mapping t	4	
0061.2M16125120-0521173	480	2:45	16:12:51.2	-05:21:17	300	90	3.0	#141 Mapping t	2	
0062.COMP	5	2:53	16:12:51.2	-05:21:17	300	90	3.0	#141 Mapping t	2	
0063.sn2004ao	1500	2:57	17:28:09.3	+07:24:55	300	42	3.0	#2 SN Observat	2	
0064.COMP	10	3:23	17:28:09.3	+07:24:55	300	42	3.0	#2 SN Observat	2	
0065.2M16280223+1349161	300	3:30	16:28:2.2	+13:49:16	300	90	3.0	#141 Mapping t	4	
0066.COMP	5	3:35	16:28:2.2	+13:49:16	300	90	3.0	#141 Mapping t	4	
0067.2M16300809+1454127	270	3:35	16:30:8.0	+14:54:12	300	90	3.0	#141 Mapping t	4	
0068.COMP	5	3:40	16:30:8.0	+14:54:12	300	90	3.0	#141 Mapping t	4	
0069.2M16290545+7929022	600	3:43	16:29:5.4	+79:29:2	300	90	3.0	#141 Mapping t	4	

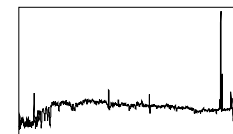


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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0070.COMP	5	3:53	16:29:5.4	+79:29:2	300	90	3.0	#141 Mapping t	4	
0071.2M16402075+8237237	300	3:54	16:40:20.7	+82:37:23	300	90	3.0	#141 Mapping t	4	
0072.COMP	5	3:59	16:40:20.7	+82:37:23	300	90	3.0	#141 Mapping t	4	
0073.2M16494723+6145386	300	4:00	16:49:47.2	+61:45:38	300	90	3.0	#141 Mapping t	4	
0074.COMP	5	4:05	16:49:47.2	+61:45:38	300	90	3.0	#141 Mapping t	4	
0075.2M16544123+7932226	300	4:06	16:54:41.2	+79:32:22	300	90	3.0	#141 Mapping t	4	
0076.COMP	5	4:11	16:54:41.2	+79:32:22	300	90	3.0	#141 Mapping t	4	
0077.2M16544549+4804087	240	4:13	16:54:45.4	+48:04:8	300	90	3.0	#141 Mapping t	4	
0078.COMP	5	4:17	16:54:45.4	+48:04:8	300	90	3.0	#141 Mapping t	4	
0079.2M17033283+4527350	480	4:18	17:3:32.8	+45:27:35	300	75	3.0	#141 Mapping t	4	
0080.COMP	5	4:27	17:3:32.8	+45:27:35	300	75	3.0	#141 Mapping t	4	
0081.2M22272108-0040412	300	4:30	22:27:21.0	-00:40:41	300	75	3.0	#141 Mapping t	2	
0082.COMP	10	4:36	22:27:21.0	-00:40:41	300	75	3.0	#141 Mapping t	2	
0083.2M22272491-0139192	270	4:36	22:27:24.9	-01:39:19	300	75	3.0	#141 Mapping t	2	
0084.COMP	10	4:41	22:27:24.9	-01:39:19	300	75	3.0	#141 Mapping t	2	
0085.2M22281267+0032358	240	4:42	22:28:12.6	+00:32:35	300	75	3.0	#141 Mapping t	4	
0086.COMP	5	4:46	22:28:12.6	+00:32:35	300	75	3.0	#141 Mapping t	4	
0087.2M22303316+0101323	240	4:47	22:30:33.1	+01:01:32	300	75	3.0	#141 Mapping t	4	
0088.COMP	5	4:51	22:30:33.1	+01:01:32	300	75	3.0	#141 Mapping t	4	
0089.2M22320243+1220533	210	4:52	22:32:2.4	+12:20:53	300	75	3.0	#141 Mapping t	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0090.COMP	5	4:56	22:32:2.4	+12:20:53	300	75	3.0	#141 Mapping t	4	
0091.2M22431105+0328050	300	4:58	22:43:11.0	+03:28:5	300	90	3.0	#141 Mapping t	4	
0092.COMP	5	5:03	22:43:11.0	+03:28:5	300	90	3.0	#141 Mapping t	4	
0093.2M22431065-0514187	300	5:04	22:43:10.6	-05:14:18	300	90	3.0	#141 Mapping t	4	
0094.COMP	5	5:09	22:43:10.6	-05:14:18	300	90	3.0	#141 Mapping t	4	
0095.2M22353179-0940085	600	5:10	22:35:31.7	-09:40:8	300	90	3.0	#141 Mapping t	4	
0096.COMP	5	5:21	22:35:31.7	-09:40:8	300	90	3.0	#141 Mapping t	4	
0097.2M22484898-0748523	240	5:21	22:48:48.9	-07:48:52	300	90	3.0	#141 Mapping t	4	
0098.COMP	5	5:26	22:48:48.9	-07:48:52	300	90	3.0	#141 Mapping t	4	
0099.2M22510553-1147233	270	5:27	22:51:5.5	-11:47:23	300	90	3.0	#141 Mapping t	4	
0100.COMP	5	5:32	22:51:5.5	-11:47:23	300	90	3.0	#141 Mapping t	4	
0101.2M22592915-0703166	270	5:32	22:59:29.1	-07:03:16	300	90	3.0	#141 Mapping t	4	
0102.COMP	5	5:37	22:59:29.1	-07:03:16	300	90	3.0	#141 Mapping t	4	
0103.2M23044283-0933454	300	5:38	23:4:42.8	-09:33:45	300	90	3.0	#141 Mapping t	4	
0104.COMP	5	5:44	23:4:42.8	-09:33:45	300	90	3.0	#141 Mapping t	4	
0105.2M22513870+0625283	210	5:45	22:51:38.7	+06:25:28	300	90	3.0	#141 Mapping t	4	
0106.COMP	5	5:49	22:51:38.7	+06:25:28	300	90	3.0	#141 Mapping t	4	
0107.2M23005923+0628270	300	5:49	23:0:59.2	+06:28:27	300	90	3.0	#141 Mapping t	4	
0108.COMP	5	5:56	23:0:59.2	+06:28:27	300	90	3.0	#141 Mapping t	4	
0109.BDp284211	90	5:57	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0110.BDp284211	90	5:58	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0111.COMP	10	6:00	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0112.BDp174708	45	6:02	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0113.BDp174708	45	6:03	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0114.BDp174708	45	6:04	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0115.COMP	10	6:05	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0116.2657_07	1200	6:07	23:42:08.4	+08:54:03	300	0	3.0	#64 Galaxy For	4	
0117.COMP	5	6:30	23:42:08.4	+08:54:03	300	0	3.0	#64 Galaxy For	4	
0118.sn2004ef	1200	6:32	22:42:10.0	+19:59:40	300	0	3.0	#2 SN Observat	2	
0119.COMP	10	6:53	22:42:10.0	+19:59:40	300	0	3.0	#2 SN Observat	2	
0120.2657_05	900	6:55	23:43:38.7	+08:47:58	300	90	3.0	#64 Galaxy For	4	
0121.COMP	5	7:10	23:43:38.7	+08:47:58	300	90	3.0	#64 Galaxy For	4	
0122.2657_06	900	7:11	23:43:10.0	+08:51:13	300	90	3.0	#64 Galaxy For	4	
0123.COMP	5	7:26	23:43:10.0	+08:51:13	300	90	3.0	#64 Galaxy For	4	
0124.2657_08	600	7:27	23:42:11.1	+08:57:25	300	90	3.0	#64 Galaxy For	4	
0125.COMP	5	7:37	23:42:11.1	+08:57:25	300	90	3.0	#64 Galaxy For	4	
0126.2657_09	900	7:38	23:42:40.2	+09:00:10	300	90	3.0	#64 Galaxy For	4	
0127.COMP	5	7:53	23:42:40.2	+09:00:10	300	90	3.0	#64 Galaxy For	4	
0128.2657_10	480	7:54	23:45:51.0	+09:03:11	300	90	3.0	#64 Galaxy For	4	
0129.COMP	5	8:02	23:45:51.0	+09:03:11	300	90	3.0	#64 Galaxy For	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0130.2657_11	660	8:03	23:44:23.1	+09:03:33	300	90	3.0	#64 Galaxy For	4	
0131.COMP	5	8:14	23:44:23.1	+09:03:33	300	90	3.0	#64 Galaxy For	4	
0132.2657_12	720	8:15	23:46:58.5	+09:05:26	300	90	3.0	#64 Galaxy For	4	
0133.COMP	5	8:27	23:46:58.5	+09:05:26	300	90	3.0	#64 Galaxy For	4	
0134.2657_14	900	8:28	23:44:41.8	+09:10:53	300	90	3.0	#64 Galaxy For	4	
0135.COMP	5	8:43	23:44:41.8	+09:10:53	300	90	3.0	#64 Galaxy For	4	
0136.2657_13	390	8:44	23:45:02.3	+09:10:23	300	90	3.0	#64 Galaxy For	4	
0137.COMP	5	8:51	23:45:02.3	+09:10:23	300	90	3.0	#64 Galaxy For	4	
0138.011024-00360	120	8:52	01:12:57.4	-00:20:41	300	90	3.0	#84f Updated Z	4	
0139.COMP	5	8:54	01:12:57.4	-00:20:41	300	90	3.0	#84f Updated Z	4	
0140.012230+08260	180	8:55	01:25:07.6	+08:41:58	300	90	3.0	#84f Updated Z	4	
0141.COMP	5	8:59	01:25:07.6	+08:41:58	300	90	3.0	#84f Updated Z	4	
0142.012612+39090	1200	9:05	01:29:02.5	+39:24:23	300	90	3.0	#84f Updated Z	4	
0143.COMP	5	9:25	01:29:02.5	+39:24:23	300	90	3.0	#84f Updated Z	4	
0144.015206+36410	600	9:27	01:55:01.9	+36:55:11	300	90	3.0	#84f Updated Z	4	
0145.COMP	5	9:37	01:55:01.9	+36:55:11	300	90	3.0	#84f Updated Z	4	
0146.015842+26150	360	9:39	02:01:33.7	+26:29:02	300	100	3.0	#84f Updated Z	4	
0147.COMP	5	9:45	02:01:33.7	+26:29:02	300	100	3.0	#84f Updated Z	4	
0148.015936+09440	120	9:46	02:02:14.4	+09:58:46	300	100	3.0	#84f Updated Z	4	
0149.COMP	5	9:48	02:02:14.4	+09:58:46	300	100	3.0	#84f Updated Z	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0150.021024+09150	480	9:49	02:13:09.3	+09:29:27	300	100	3.0	#84f Updated Z	4	
0151.COMP	5	9:57	02:13:09.3	+09:29:27	300	100	3.0	#84f Updated Z	4	
0152.021318+28220	420	9:58	02:16:15.2	+28:35:59	300	90	3.0	#84f Updated Z	4	
0153.COMP	5	10:06	02:16:15.2	+28:35:59	300	90	3.0	#84f Updated Z	4	
0154.021436+09350	480	10:07	02:17:12.8	+09:48:56	300	90	3.0	#84f Updated Z	4	
0155.COMP	5	10:15	02:17:12.8	+09:48:56	300	90	3.0	#84f Updated Z	4	
0156.021442+09380	240	10:16	02:17:21.8	+09:51:11	300	90	3.0	#84f Updated Z	4	
0157.COMP	5	10:20	02:17:21.8	+09:51:11	300	90	3.0	#84f Updated Z	4	
0158.022912+01020	120	10:21	02:31:49.3	+01:15:40	300	90	3.0	#84f Updated Z	4	
0159.COMP	5	10:23	02:31:49.3	+01:15:40	300	90	3.0	#84f Updated Z	4	
0160.189_07	720	10:24	01:23:55.9	+02:07:30	300	45	3.0	#64 Galaxy For	4	
0161.COMP	5	10:36	01:23:55.9	+02:07:30	300	45	3.0	#64 Galaxy For	4	
0162.189_08	420	10:37	01:21:28.3	+02:10:23	300	89	3.0	#64 Galaxy For	4	
0163.COMP	5	10:44	01:21:28.3	+02:10:23	300	89	3.0	#64 Galaxy For	4	
0164.189_09	720	10:45	01:21:34.5	+02:20:28	300	89	3.0	#64 Galaxy For	4	
0165.COMP	5	10:57	01:21:34.5	+02:20:28	300	89	3.0	#64 Galaxy For	4	
0166.189_10	720	10:58	01:22:39.8	+02:28:42	300	89	3.0	#64 Galaxy For	4	
0167.COMP	5	11:10	01:22:39.8	+02:28:42	300	89	3.0	#64 Galaxy For	4	
0168.189_11	480	11:11	01:24:29.4	+02:30:46	300	89	3.0	#64 Galaxy For	4	
0169.COMP	5	11:19	01:24:29.4	+02:30:46	300	89	3.0	#64 Galaxy For	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0170.193_01	540	11:20	01:24:41.5	+08:09:24	300	89	3.0	#64 Galaxy For	4	
0171.COMP	5	11:29	01:24:41.5	+08:09:24	300	89	3.0	#64 Galaxy For	4	
0172.193_02	240	11:30	01:26:33.5	+08:11:25	300	89	3.0	#64 Galaxy For	4	
0173.COMP	5	11:34	01:26:33.5	+08:11:25	300	89	3.0	#64 Galaxy For	4	
0174.193_03	600	11:35	01:26:52.6	+08:32:43	300	89	3.0	#64 Galaxy For	4	
0175.COMP	5	11:45	01:26:52.6	+08:32:43	300	89	3.0	#64 Galaxy For	4	
0176.193_04	720	11:45	01:27:32.2	+08:32:46	300	89	3.0	#64 Galaxy For	4	
0177.COMP	5	11:58	01:27:32.2	+08:32:46	300	89	3.0	#64 Galaxy For	4	
0178.043748-02080	330	11:59	04:40:25.3	-02:01:26	300	89	3.0	#84f Updated Z	4	
0179.COMP	5	12:05	04:40:25.3	-02:01:26	300	89	3.0	#84f Updated Z	4	
0180.NGC1700	150	12:06	04:56:58.1	-04:52:23	300	89	3.0	#57 Velocity S	4	
0181.COMP	5	12:09	04:56:58.1	-04:52:23	300	89	3.0	#57 Velocity S	4	
0182-0191.BIAS	0	12:12	04:56:58.1	-04:52:23	300	89	3.0	#84f Updated Z	4	
0192-0201.FLAT	8	12:15	04:56:58.1	-04:52:23	300	89	3.0	#84f Updated Z	4	
0202-0211.BIAS	0	12:18	04:56:58.1	-04:52:23	300	89	3.0	#84f Updated Z	2	
0212-0221.FLAT	16	12:23	04:56:58.1	-04:52:23	300	89	3.0	#84f Updated Z	2	
0222-0231.DARK	900	14:41	04:56:58.1	-04:52:23	300	89	3.0	#84f Updated Z	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	23:25	04:56:58.1	-04:52:23	300	89	3.0	#84f Updated Z	4	
0011-0016.DARK	900	0:57	04:56:58.1	-04:52:23	300	89	3.0	#84f Updated Z	2	
0017-0030.BIAS	0	1:37	04:56:58.1	-04:52:23	300	89	3.0	#84f Updated Z	4	
0031-0040.FLAT	8	1:40	04:56:58.1	-04:52:23	300	89	3.0	#84f Updated Z	4	
0041-0050.BIAS	0	1:42	04:56:58.1	-04:52:23	300	89	3.0	#84f Updated Z	2	
0051-0060.FLAT	16	1:48	04:56:58.1	-04:52:23	300	89	3.0	#84f Updated Z	2	
0061-0065.sky	3	1:51	17:57:00	32:00:00	300	89	3.0	#57 Velocity S	4	
0066.COMP	5	1:51	17:57:00	32:00:00	300	89	3.0	#57 Velocity S	4	
0067.2M15390562+2845411	240	2:29	15:39:5.6	+28:45:41	300	90	3.0	#141 Mapping t	4	
0068.COMP	5	2:33	15:39:5.6	+28:45:41	300	90	3.0	#141 Mapping t	4	
0069.2M15405995+3239596	240	2:34	15:40:59.9	+32:39:59	300	90	3.0	#141 Mapping t	4	
0070.COMP	5	2:38	15:40:59.9	+32:39:59	300	90	3.0	#141 Mapping t	4	
0071.2M15452031+1719570	150	2:39	15:45:20.3	+17:19:57	300	90	3.0	#141 Mapping t	4	
0072.COMP	5	2:42	15:45:20.3	+17:19:57	300	90	3.0	#141 Mapping t	4	
0073.2M16083767-0801407	540	2:43	16:8:37.6	-08:01:40	300	90	3.0	#141 Mapping t	4	
0074.COMP	5	2:52	16:8:37.6	-08:01:40	300	90	3.0	#141 Mapping t	4	
0075.2M16104465-0617458	540	2:54	16:10:44.6	-06:17:45	300	75	3.0	#141 Mapping t	4	
0076.COMP	5	3:03	16:10:44.6	-06:17:45	300	75	3.0	#141 Mapping t	4	
0077.2M16223020-0039131	360	3:03	16:22:30.2	-00:39:13	300	75	3.0	#141 Mapping t	4	
0078.COMP	5	3:10	16:22:30.2	-00:39:13	300	75	3.0	#141 Mapping t	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0079.sn2004dk	1200	3:11	16:21:48.9	-02:16:17	300	47	3.0	#2 SN Observat	2	
0080.COMP	10	3:32	16:21:48.9	-02:16:17	300	47	3.0	#2 SN Observat	2	
0081.2M15514348+6711412	720	3:34	15:51:43.4	+67:11:41	300	60	3.0	#141 Mapping t	4	
0082.COMP	5	3:46	15:51:43.4	+67:11:41	300	60	3.0	#141 Mapping t	4	
0083.2M16112226+6113316	330	3:47	16:11:22.2	+61:13:31	300	60	3.0	#141 Mapping t	4	
0084.COMP	5	3:53	16:11:22.2	+61:13:31	300	60	3.0	#141 Mapping t	4	
0085.sn2004eb	1200	3:56	17:28:24.3	57:32:45	300	110	3.0	#2 SN Observat	2	no
0086.COMP	10	4:17	17:28:24.3	57:32:45	300	110	3.0	#2 SN Observat	2	
0087.2M23010499+2042125	300	4:19	23:1:4.9	+20:42:12	300	90	3.0	#141 Mapping t	4	
0088.COMP	5	4:25	23:1:4.9	+20:42:12	300	90	3.0	#141 Mapping t	4	
0089.2M23010596+1852475	300	4:25	23:1:5.9	+18:52:47	300	90	3.0	#141 Mapping t	4	
0090.COMP	5	4:31	23:1:5.9	+18:52:47	300	90	3.0	#141 Mapping t	4	
0091.2M23022785+0814462	600	4:32	23:2:27.8	+08:14:46	300	85	3.0	#141 Mapping t	4	
0092.COMP	5	4:43	23:2:27.8	+08:14:46	300	85	3.0	#141 Mapping t	4	
0093.2M23110149+0612475	330	4:44	23:11:1.4	+06:12:47	300	85	3.0	#141 Mapping t	4	
0094.COMP	5	4:49	23:11:1.4	+06:12:47	300	85	3.0	#141 Mapping t	4	
0095.2M23122920+1356323	420	4:50	23:12:29.2	+13:56:32	300	90	3.0	#141 Mapping t	4	
0096.COMP	5	4:58	23:12:29.2	+13:56:32	300	90	3.0	#141 Mapping t	4	
0097.2M23125460+0642147	300	4:58	23:12:54.6	+06:42:14	300	90	3.0	#141 Mapping t	4	
0098.COMP	5	5:04	23:12:54.6	+06:42:14	300	90	3.0	#141 Mapping t	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0099.2M23161316+0854549	300	5:04	23:16:13.1	+08:54:54	300	90	3.0	#141 Mapping t	4	
0100.COMP	5	5:10	23:16:13.1	+08:54:54	300	90	3.0	#141 Mapping t	4	
0101.2M23182204+1014088	300	5:10	23:18:22.0	+10:14:8	300	90	3.0	#141 Mapping t	4	
0102.COMP	5	5:16	23:18:22.0	+10:14:8	300	90	3.0	#141 Mapping t	4	
0103.2M23142205-0202017	240	5:16	23:14:22.0	-02:02:1	300	90	3.0	#141 Mapping t	4	
0104.COMP	5	5:21	23:14:22.0	-02:02:1	300	90	3.0	#141 Mapping t	4	
0105.2M23112057-1159414	330	5:21	23:11:20.5	-11:59:41	300	90	3.0	#141 Mapping t	4	
0106.COMP	5	5:27	23:11:20.5	-11:59:41	300	90	3.0	#141 Mapping t	4	
0107.2M23144460+2508262	210	5:28	23:14:44.6	+25:08:26	300	90	3.0	#141 Mapping t	4	
0108.COMP	5	5:32	23:14:44.6	+25:08:26	300	90	3.0	#141 Mapping t	4	
0109.2M23202997+2504177	300	5:33	23:20:29.9	+25:04:17	300	90	3.0	#141 Mapping t	4	
0110.COMP	5	5:38	23:20:29.9	+25:04:17	300	90	3.0	#141 Mapping t	4	
0111.2M23215863+1721566	480	5:39	23:21:58.6	+17:21:56	300	90	3.0	#141 Mapping t	4	
0112.COMP	5	5:47	23:21:58.6	+17:21:56	300	90	3.0	#141 Mapping t	4	
0113.2M23255741+2220092	540	5:48	23:25:57.4	+22:20:9	300	90	3.0	#141 Mapping t	4	
0114.COMP	5	5:57	23:25:57.4	+22:20:9	300	90	3.0	#141 Mapping t	4	
0115.BDp284211	90	5:59	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0116.BDp284211	90	6:00	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0117.COMP	10	6:02	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0118.BDp174708	45	6:03	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0119.BDp174708	45	6:04	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0120.BDp174708	45	6:05	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0121.COMP	10	6:07	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0122.2657_15	720	6:08	23:44:32.9	+09:11:25	300	90	3.0	#64 Galaxy For	2	
0123.COMP	10	6:21	23:44:32.9	+09:11:25	300	90	3.0	#64 Galaxy For	2	
0124.2657_16	600	6:22	23:44:45.0	+09:13:36	300	90	3.0	#64 Galaxy For	4	
0125.COMP	5	6:32	23:44:45.0	+09:13:36	300	90	3.0	#64 Galaxy For	4	
0126.2657_17	660	6:32	23:46:06.1	+09:22:23	300	90	3.0	#64 Galaxy For	4	
0127.COMP	5	6:44	23:46:06.1	+09:22:23	300	90	3.0	#64 Galaxy For	4	
0128.2657_18	720	6:45	23:42:43.7	+09:35:43	300	90	3.0	#64 Galaxy For	4	
0129.COMP	5	6:57	23:42:43.7	+09:35:43	300	90	3.0	#64 Galaxy For	4	
0130.2657_19	720	6:58	23:46:37.0	+09:40:22	300	90	3.0	#64 Galaxy For	4	
0131.COMP	5	7:10	23:46:37.0	+09:40:22	300	90	3.0	#64 Galaxy For	4	
0132.2657_20	660	7:11	23:45:08.9	+09:47:42	300	90	3.0	#64 Galaxy For	4	
0133.COMP	5	7:22	23:45:08.9	+09:47:42	300	90	3.0	#64 Galaxy For	4	
0134.2657_21	720	7:23	23:45:22.6	+09:48:23	300	90	3.0	#64 Galaxy For	4	
0135.COMP	5	7:35	23:45:22.6	+09:48:23	300	90	3.0	#64 Galaxy For	4	
0136.2657_22	780	7:35	23:45:41.2	+09:50:13	300	90	3.0	#64 Galaxy For	4	
0137.COMP	5	7:49	23:45:41.2	+09:50:13	300	90	3.0	#64 Galaxy For	4	
0138.N7469	120	7:50	23:03:15.7	+08:52:27	300	28	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0139.N7469	120	7:52	23:03:15.7	+08:52:27	300	28	3.0	#6 AGN Monitor	4	
0140.COMP	5	7:55	23:03:15.7	+08:52:27	300	28	3.0	#6 AGN Monitor	4	
0141.Akn564	180	7:56	22:42:39.4	+29:43:31	300	80	3.0	#6 AGN Monitor	4	
0142.Akn564	180	7:59	22:42:39.4	+29:43:31	300	80	3.0	#6 AGN Monitor	4	
0143.COMP	5	8:02	22:42:39.4	+29:43:31	300	80	3.0	#6 AGN Monitor	4	
0144.193_05	720	8:05	01:24:46.7	+08:37:34	300	90	3.0	#64 Galaxy For	4	
0145.COMP	5	8:17	01:24:46.7	+08:37:34	300	90	3.0	#64 Galaxy For	4	
0146.193_06	900	8:18	01:27:09.3	+08:40:12	300	90	3.0	#64 Galaxy For	4	
0147.COMP	5	8:34	01:27:09.3	+08:40:12	300	90	3.0	#64 Galaxy For	4	
0148.193_07	720	8:35	01:26:25.6	+08:43:05	300	90	3.0	#64 Galaxy For	4	
0149.COMP	5	8:47	01:26:25.6	+08:43:05	300	90	3.0	#64 Galaxy For	4	
0150.193_08	600	8:47	01:25:10.7	+09:08:01	300	90	3.0	#64 Galaxy For	4	
0151.COMP	5	8:58	01:25:10.7	+09:08:01	300	90	3.0	#64 Galaxy For	4	
0152.260_05	600	9:00	01:50:19.0	+32:33:53	300	90	3.0	#64 Galaxy For	4	
0153.COMP	5	9:11	01:50:19.0	+32:33:53	300	90	3.0	#64 Galaxy For	4	
0154.260_06	480	9:11	01:50:36.9	+32:33:56	300	100	3.0	#64 Galaxy For	4	
0155.COMP	5	9:20	01:50:36.9	+32:33:56	300	100	3.0	#64 Galaxy For	4	
0156.260_07	480	9:21	01:50:50.4	+32:33:58	300	100	3.0	#64 Galaxy For	4	
0157.COMP	5	9:30	01:50:50.4	+32:33:58	300	100	3.0	#64 Galaxy For	4	
0158.260_08	360	9:30	01:50:29.2	+32:34:29	300	100	3.0	#64 Galaxy For	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0159.COMP	5	9:37	01:50:29.2	+32:34:29	300	100	3.0	#64 Galaxy For	4	
0160.260_09	600	9:37	01:53:19.5	+32:38:56	300	100	3.0	#64 Galaxy For	4	
0161.COMP	5	9:48	01:53:19.5	+32:38:56	300	100	3.0	#64 Galaxy For	4	
0162.260_10	720	9:48	01:54:50.8	+32:41:43	300	100	3.0	#64 Galaxy For	4	
0163.COMP	5	10:01	01:54:50.8	+32:41:43	300	100	3.0	#64 Galaxy For	4	
0164.260_11	480	10:02	01:51:36.4	+32:46:43	300	45	3.0	#64 Galaxy For	4	
0165.COMP	5	10:10	01:51:36.4	+32:46:43	300	45	3.0	#64 Galaxy For	4	
0166.sn2004dn	1200	10:13	02:35:37.3	+37:37:54	300	0	3.0	#2 SN Observat	2	
0167.COMP	10	10:34	02:35:37.3	+37:37:54	300	0	3.0	#2 SN Observat	2	
0168.260_13	600	10:37	01:51:14.9	+32:49:18	300	80	3.0	#64 Galaxy For	4	
0169.COMP	5	10:48	01:51:14.9	+32:49:18	300	80	3.0	#64 Galaxy For	4	
0170.260_14	600	10:48	01:51:00.8	+32:53:53	300	80	3.0	#64 Galaxy For	4	
0171.COMP	5	10:59	01:51:00.8	+32:53:53	300	80	3.0	#64 Galaxy For	4	
0172.260_15	480	10:59	01:48:59.3	+32:53:58	300	80	3.0	#64 Galaxy For	4	
0173.COMP	5	11:07	01:48:59.3	+32:53:58	300	80	3.0	#64 Galaxy For	4	
0174.260_16	420	11:08	01:51:08.5	+32:55:59	300	80	3.0	#64 Galaxy For	4	
0175.COMP	5	11:16	01:51:08.5	+32:55:59	300	80	3.0	#64 Galaxy For	4	
0176.260_17	240	11:16	01:50:02.4	+32:57:10	300	80	3.0	#64 Galaxy For	4	
0177.COMP	5	11:21	01:50:02.4	+32:57:10	300	80	3.0	#64 Galaxy For	4	
0178.260_18	300	11:21	01:48:43.7	+32:57:24	300	80	3.0	#64 Galaxy For	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0179.COMP	5	11:26	01:48:43.7	+32:57:24	300	80	3.0	#64 Galaxy For	4	
0180.260_34	900	11:28	01:49:44.9	+33:11:18	300	80	3.0	#64 Galaxy For	4	
0181.COMP	5	11:43	01:49:44.9	+33:11:18	300	80	3.0	#64 Galaxy For	4	
0182.260_33	720	11:44	01:52:30.5	+33:10:45	300	80	3.0	#64 Galaxy For	4	
0183.COMP	5	11:56	01:52:30.5	+33:10:45	300	80	3.0	#64 Galaxy For	4	
0184.260_35	360	11:57	01:52:05.7	+33:11:23	300	80	3.0	#64 Galaxy For	4	
0185.COMP	5	12:04	01:52:05.7	+33:11:23	300	80	3.0	#64 Galaxy For	4	
0186.HD52071	4	12:05	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0187.HD52071	4	12:06	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0188.HD52071	4	12:06	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0189.COMP	5	12:06	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0190-0199.BIAS	0	12:10	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0200-0209.FLAT	8	12:13	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0210-0219.BIAS	0	12:15	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0220-0229.FLAT	16	12:21	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	0:53	17:17:43.4	+31:30:01	300	90	3.0	#57 Velocity S	4	
0002.DARK	900	1:08	17:32:54.0	+31:29:55	300	90	3.0	#57 Velocity S	4	
0003.DARK	900	1:23	17:48:01.2	+31:29:49	300	90	3.0	#57 Velocity S	4	
0004.DARK	900	1:38	18:03:11.7	+31:29:43	300	90	3.0	#57 Velocity S	4	
0005.DARK	900	1:54	18:18:18.6	+31:29:37	300	90	3.0	#57 Velocity S	4	
0006-0015.BIAS	0	2:12	18:21:46.8	+31:29:36	300	90	3.0	#57 Velocity S	4	
0016-0025.FLAT	6	2:15	18:24:40.0	+31:29:35	300	90	3.0	#57 Velocity S	4	
0026-0032.BIAS	0	2:18	18:27:20.8	+31:29:34	300	90	3.0	#57 Velocity S	2	
0033-0035.BIAS	0	2:18	18:27:59.7	+31:29:33	300	90	3.0	#57 Velocity S	2	
0036-0039.FLAT	12	2:20	18:29:57.1	+31:29:33	300	90	3.0	#57 Velocity S	2	
0040-0045.FLAT	12	2:22	18:32:24.2	+31:29:32	300	90	3.0	#57 Velocity S	2	
0046.BDp332642	60	2:36	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0047.BDp332642	60	2:37	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0048.COMP	5	2:39	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0049.BDp332642	60	2:40	15:50:03.0	33:05:49	300	80	3.0	#56 Spectropho	4	
0050.BDp332642	60	2:41	15:50:03.0	33:05:49	300	80	3.0	#56 Spectropho	4	
0051.COMP	5	2:45	15:50:03.0	33:05:49	300	80	3.0	#56 Spectropho	4	
0052.BDp332642	60	2:46	15:50:03.0	33:05:49	300	80	3.0	#56 Spectropho	2	
0053.BDp332642	60	2:47	15:50:03.0	33:05:49	300	80	3.0	#56 Spectropho	2	
0054.COMP	12	2:48	15:50:03.0	33:05:49	300	80	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0055.N5548	150	2:51	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0056.N5548	150	2:54	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0057.N5548	150	2:56	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0058.COMP	12	2:59	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0059.3C390.3	300	3:07	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0060.3C390.3	300	3:12	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0061.3C390.3	300	3:18	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0062.COMP	12	3:23	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0063.sn2004ao	1800	3:28	17:28:09.3	+07:24:55	300	46	3.0	#2 SN Observat	2	row=72
0064.COMP	12	3:58	17:28:09.3	+07:24:55	300	46	3.0	#2 SN Observat	2	
0065.sn2004ef	900	4:01	22:42:10.0	+19:59:40	300	110	3.0	#2 SN Observat	2	row=75
0066.COMP	12	4:17	22:42:10.0	+19:59:40	300	110	3.0	#2 SN Observat	2	
0067.MRK509	180	4:20	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0068.MRK509	180	4:23	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0069.COMP	12	4:26	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0070.BDp284211	120	4:35	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	600L, tilt=430, 1.5arsec
0071.BDp284211	120	4:37	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	
0072.COMP	10	4:39	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	
0073.obj7089_6-124	330	4:41	20:47:20.6	31:29:09	600	90	1.5	#155 Cygnus Sh	4	
0074.obj7089_6-124	330	4:46	20:47:20.6	31:29:09	600	90	1.5	#155 Cygnus Sh	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0075.COMP	10	4:52	20:47:20.6	31:29:09	600	90	1.5	#155 Cygnus Sh	4	
0076.obj7077_8-755	330	4:53	20:52:27.6	31:56:29	600	90	1.5	#155 Cygnus Sh	4	
0077.obj7077_8-755	330	4:59	20:52:27.6	31:56:29	600	90	1.5	#155 Cygnus Sh	4	
0078.obj7089_8-524	330	5:05	20:47:52.0	30:56:51	600	90	1.5	#155 Cygnus Sh	4	
0079.obj7089_8-524	330	5:14	20:47:52.0	30:56:51	600	90	1.5	#155 Cygnus Sh	4	
0080.COMP	10	5:21	20:47:52.0	30:56:51	600	90	1.5	#155 Cygnus Sh	4	
0081.obj7077_8-862	330	5:23	20:52:36.1	31:52:54	600	90	1.5	#155 Cygnus Sh	4	
0082.obj7077_8-862	330	5:29	20:52:36.1	31:52:54	600	90	1.5	#155 Cygnus Sh	4	
0083.obj7077_6-844	330	5:38	20:52:54.9	32:17:51	600	90	1.5	#155 Cygnus Sh	4	
0084.obj7077_6-844	330	5:44	20:52:54.9	32:17:51	600	90	1.5	#155 Cygnus Sh	4	
0085.COMP	10	5:50	20:52:54.9	32:17:51	600	90	1.5	#155 Cygnus Sh	4	
0086.obj7092_5-487	300	5:51	20:56:41.8	30:54:08	600	90	1.5	#155 Cygnus Sh	4	
0087.obj7092_5-487	300	5:57	20:56:41.8	30:54:08	600	90	1.5	#155 Cygnus Sh	4	
0088.obj7077_4-2653	330	6:02	20:50:26.1	31:54:35	600	90	1.5	#155 Cygnus Sh	4	
0089.obj7077_4-2653	330	6:08	20:50:26.1	31:54:35	600	90	1.5	#155 Cygnus Sh	4	
0090.COMP	10	6:14	20:50:26.1	31:54:35	600	90	1.5	#155 Cygnus Sh	4	
0091.obj7092_5-488	330	6:15	20:56:41.7	30:54:06	600	90	1.5	#155 Cygnus Sh	4	
0092.obj7092_5-488	330	6:20	20:56:41.7	30:54:06	600	90	1.5	#155 Cygnus Sh	4	
0093.obj7077_1-788	330	6:26	20:51:08.4	32:38:01	600	90	1.5	#155 Cygnus Sh	4	
0094.obj7077_1-788	330	6:32	20:51:08.4	32:38:01	600	90	1.5	#155 Cygnus Sh	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0095.COMP	10	6:38	20:51:08.4	32:38:01	600	90	1.5	#155 Cygnus Sh	4	
0096.obj7089_6-267	330	6:39	20:47:37.0	31:30:50	600	90	1.5	#155 Cygnus Sh	4	
0097.obj7089_6-267	330	6:44	20:47:37.0	31:30:50	600	90	1.5	#155 Cygnus Sh	4	
0098.obj7083_1-278	330	6:51	20:54:39.0	31:36:06	600	90	1.5	#155 Cygnus Sh	4	
0099.obj7083_1-278	330	6:56	20:54:39.0	31:36:06	600	90	1.5	#155 Cygnus Sh	4	clouds.....
0100.COMP	10	7:02	20:54:39.0	31:36:06	600	90	1.5	#155 Cygnus Sh	4	
0101.FLAT	55	7:04	20:54:39.0	31:36:06	600	90	1.5	#6 AGN Monitor	4	wait out clouds
0102-0110.FLAT	55	7:13	20:54:39.0	31:36:06	600	90	1.5	#6 AGN Monitor	4	
0111.BDp284211	180	8:43	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	600L, tilt=440, 2 arcsec
0112.COMP	10	8:47	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0113.hs3467	228	10:17	2:41:17.3	18:03:13	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	10:21	2:41:17.3	18:03:13	600	90	2.0	#122 Halo Star	4	
0115.hs3468	168	10:22	2:41:43.3	19:11:02	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	10:25	2:41:43.3	19:11:02	600	90	2.0	#122 Halo Star	4	
0117.hs3469	456	10:26	2:44:03.8	17:35:57	600	80	2.0	#122 Halo Star	4	
0118.COMP	10	10:34	2:44:03.8	17:35:57	600	80	2.0	#122 Halo Star	4	
0119.hs3470	198	10:35	2:44:23.1	20:25:49	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	10:39	2:44:23.1	20:25:49	600	90	2.0	#122 Halo Star	4	
0121.hs3471	276	10:44	2:44:42.6	18:24:51	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	10:49	2:44:42.6	18:24:51	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0123.hs3472	282	10:50	2:47:05.3	18:59:57	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	10:55	2:47:05.3	18:59:57	600	90	2.0	#122 Halo Star	4	
0125.hs3473	198	10:56	2:48:16.2	16:53:20	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	11:00	2:48:16.2	16:53:20	600	90	2.0	#122 Halo Star	4	
0127.hs3474	168	11:00	2:48:22.4	17:33:33	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	11:04	2:48:22.4	17:33:33	600	90	2.0	#122 Halo Star	4	
0129-0138.FLAT	24	11:09	2:48:22.4	17:33:33	600	90	2.0	#122 Halo Star	4	
0139.sn2004ek	900	11:19	01:09:58.5	32:22:47	300	82	3.0	#2 SN Observat	2	
0140.COMP	12	11:35	01:09:58.5	32:22:47	300	82	3.0	#2 SN Observat	2	
0141.400_01	360	11:38	02:57:50.5	+04:59:34	300	90	3.0	#64 Galaxy For	2	
0142.COMP	12	11:45	02:57:50.5	+04:59:34	300	90	3.0	#64 Galaxy For	2	
0143.400_02	360	11:46	02:57:18.5	+05:00:15	300	90	3.0	#64 Galaxy For	2	
0144.COMP	12	11:53	02:57:18.5	+05:00:15	300	90	3.0	#64 Galaxy For	2	
0145.400_03	480	11:54	02:55:22.6	+05:11:19	300	90	3.0	#64 Galaxy For	2	clouds, try again
0146.COMP	12	12:02	02:55:22.6	+05:11:19	300	90	3.0	#64 Galaxy For	2	
0147.400_03	660	12:03	02:55:22.6	+05:11:19	300	90	3.0	#64 Galaxy For	2	
0148.COMP	12	12:14	02:55:22.6	+05:11:19	300	90	3.0	#64 Galaxy For	2	
0149.Hiltner600	50	12:16	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0150.COMP	12	12:18	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0151-0160.BIAS	0	12:23	06:42:37.2	02:11:25	300	90	3.0	#2 SN Observat	2	



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Coll. Focus 1060 Grating/Grism 600

<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>
0161-0170.FLAT	12	12:29	06:42:37.2	02:11:25	300	90	3.0	#2 SN Observat	2	
0171-0180.DARK	900	15:13	06:42:37.2	02:11:25	300	90	3.0	#2 SN Observat	2	

UT Date 2004-09-15 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.FLAT	360	0:30	06:42:37.2	02:11:25	1200	90	2.0	#0 Calibration	2	
0011.COMP	150	0:39	06:42:37.2	02:11:25	1200	90	2.0	99 Other	2	
0012.COMP	150	0:42	06:42:37.2	02:11:25	1200	90	2.0	99 Other	2	
0013.COMP	150	0:44	06:42:37.2	02:11:25	1200	90	2.0	99 Other	2	
0014.COMP	150	0:47	06:42:37.2	02:11:25	1200	90	2.0	99 Other	2	
0015.COMP	150	0:50	06:42:37.2	02:11:25	1200	90	2.0	99 Other	2	
0016.COMP	150	0:52	06:42:37.2	02:11:25	1200	90	2.0	99 Other	2	
0017.COMP	150	0:55	06:42:37.2	02:11:25	1200	90	2.0	99 Other	2	
0018.COMP	150	0:58	06:42:37.2	02:11:25	1200	90	2.0	99 Other	2	
0019.COMP	150	1:00	06:42:37.2	02:11:25	1200	90	2.0	99 Other	2	
0020.COMP	150	1:03	06:42:37.2	02:11:25	1200	90	2.0	99 Other	2	
0021-0030.BIAS	0	1:11	06:42:37.2	02:11:25	1200	90	2.0	#0 Calibration	2	
0031-0032.DARK	900	2:17	06:42:37.2	02:11:25	300	90	3.0	#0 Calibration	4	
0033-0042.BIAS	0	2:33	06:42:37.2	02:11:25	300	90	3.0	#0 Calibration	4	
0043-0052.FLAT	6	2:36	06:42:37.2	02:11:25	300	90	3.0	#0 Calibration	4	
0053-0062.BIAS	0	2:38	06:42:37.2	02:11:25	300	90	3.0	#0 Calibration	2	
0063-0072.FLAT	12	2:42	06:42:37.2	02:11:25	300	90	3.0	#0 Calibration	2	
0073.BDp332642	50	2:44	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0074.BDp332642	50	2:45	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0075.COMP	5	2:46	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0076.BDp332642	50	2:47	15:50:03.0	33:05:49	300	79	3.0	#56 Spectropho	2	
0077.BDp332642	50	2:48	15:50:03.0	33:05:49	300	79	3.0	#56 Spectropho	2	
0078.COMP	12	2:50	15:50:03.0	33:05:49	300	79	3.0	#56 Spectropho	2	
0079.XTEJ1855m026	300	2:54	18:55:30.5	-02:36:21	300	90	3.0	#149 Black Hol	2	
0080.COMP	12	3:00	18:55:30.5	-02:36:21	300	90	3.0	#149 Black Hol	2	
0081.sn2004dk	1200	3:04	16:21:48.9	-02:16:17	300	47	3.0	#2 SN Observat	2	
0082.COMP	12	3:24	16:21:48.9	-02:16:17	300	47	3.0	#2 SN Observat	2	
0083.IRAS21004+7811N	360	3:42	20:59:14.5	78:23:00	300	90	3.0	#156 Cepheus P	2	clouds, try again
0084.COMP	12	3:48	20:59:14.5	78:23:00	300	90	3.0	#156 Cepheus P	2	
0085.IRAS21004+7811N	600	3:52	20:59:14.5	78:23:00	300	90	3.0	#156 Cepheus P	2	gas cloud?
0086.COMP	12	4:03	20:59:14.5	78:23:00	300	90	3.0	#156 Cepheus P	2	
0087.IRAS21004+7811S	480	4:04	20:59:14.5	78:23:00	300	90	3.0	#156 Cepheus P	2	
0088.COMP	12	4:12	20:59:14.5	78:23:00	300	90	3.0	#156 Cepheus P	2	
0089.K98-10	480	4:14	20:46:32.9	76:12:36	300	90	3.0	#156 Cepheus P	2	
0090.COMP	12	4:22	20:46:32.9	76:12:36	300	90	3.0	#156 Cepheus P	2	
0091.K98-12	480	4:24	20:48:43.7	76:27:26	300	90	3.0	#156 Cepheus P	2	
0092.COMP	12	4:32	20:48:43.7	76:27:26	300	90	3.0	#156 Cepheus P	2	
0093.IRAS21023+7650	270	4:36	21:01:30.5	77:02:37	300	90	3.0	#156 Cepheus P	2	
0094.COMP	12	4:40	21:01:30.5	77:02:37	300	90	3.0	#156 Cepheus P	2	
0095.IRAS21028+7645	240	4:43	21:02:05.9	76:57:09	300	90	3.0	#156 Cepheus P	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0096.COMP	12	4:48	21:02:05.9	76:57:09	300	90	3.0	#156 Cepheus P	2	
0097.2M23261650-0158268	300	4:51	23:26:16.5	-01:58:26	300	90	3.0	#141 Mapping t	2	
0098.COMP	12	4:56	23:26:16.5	-01:58:26	300	90	3.0	#141 Mapping t	2	
0099.2M23275510-0145448	480	4:57	23:27:55.1	-01:45:44	300	90	3.0	#141 Mapping t	2	
0100.COMP	12	5:06	23:27:55.1	-01:45:44	300	90	3.0	#141 Mapping t	2	
0101.2M23283891+0934383	390	5:08	23:28:38.9	+09:34:38	300	80	3.0	#141 Mapping t	2	
0102.COMP	12	5:15	23:28:38.9	+09:34:38	300	80	3.0	#141 Mapping t	2	
0103.2M23301486-0227019	300	5:16	23:30:14.8	-02:27:1	300	80	3.0	#141 Mapping t	2	
0104.COMP	12	5:21	23:30:14.8	-02:27:1	300	80	3.0	#141 Mapping t	2	
0105.2M23341293+0720486	300	5:23	23:34:12.9	+07:20:48	300	90	3.0	#141 Mapping t	2	need more counts
0106.COMP	12	5:28	23:34:12.9	+07:20:48	300	90	3.0	#141 Mapping t	2	
0107.2M23341293+0720486	540	5:30	23:34:12.9	+07:20:48	300	90	3.0	#141 Mapping t	2	
0108.COMP	12	5:40	23:34:12.9	+07:20:48	300	90	3.0	#141 Mapping t	2	
0109.2M23342564+0501331	450	5:41	23:34:25.6	+05:01:33	300	90	3.0	#141 Mapping t	2	
0110.COMP	12	5:49	23:34:25.6	+05:01:33	300	90	3.0	#141 Mapping t	2	
0111.2M23374968+1552462	420	5:50	23:37:49.6	+15:52:46	300	90	3.0	#141 Mapping t	2	
0112.COMP	12	5:58	23:37:49.6	+15:52:46	300	90	3.0	#141 Mapping t	2	
0113.2M23384397-0128195	360	6:00	23:38:43.9	-01:28:19	300	90	3.0	#141 Mapping t	2	
0114.COMP	12	6:06	23:38:43.9	-01:28:19	300	90	3.0	#141 Mapping t	2	
0115.2M23393333-0727284	270	6:07	23:39:33.3	-07:27:28	300	90	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0116.COMP	12	6:12	23:39:33.3	-07:27:28	300	90	3.0	#141 Mapping t	2	
0117.2M23441825-0422493	540	6:26	23:44:18.2	-04:22:49	300	90	3.0	#141 Mapping t	2	
0118.COMP	12	6:35	23:44:18.2	-04:22:49	300	90	3.0	#141 Mapping t	2	
0119.Akn564	180	6:39	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0120.Akn564	180	6:42	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0121.COMP	12	6:46	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0122.N7469	120	6:47	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	row=70
0123.N7469	120	6:49	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0124.COMP	12	6:51	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0125.sn2004ef	1200	6:53	22:42:10.0	+19:59:40	300	24	3.0	#2 SN Observat	2	
0126.COMP	12	7:14	22:42:10.0	+19:59:40	300	24	3.0	#2 SN Observat	2	
0127.ZAnd	2	7:16	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0128.ZAnd	10	7:16	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0129.ZAnd	60	7:16	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0130.COMP	12	7:18	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0131.EGAnd	1	10:22	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0132.EGAnd	5	10:22	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0133.EGAnd	10	10:23	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0134.COMP	12	10:23	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0135.AXPer	4	10:25	1:36:23	54:15:03	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
0136.AXPer	30	10:25	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0137.AXPer	90	10:26	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0138.COMP	12	10:28	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0139.sn2004dt	1200	10:32	02:02:12.7	-00:05:51	300	17	3.0	#2 SN Observat	2	
0140.COMP	12	10:52	02:02:12.7	-00:05:51	300	17	3.0	#2 SN Observat	2	
0141.260_19	480	10:55	01:50:57.7	+32:57:24	300	90	3.0	#64 Galaxy For	2	
0142.COMP	12	11:03	01:50:57.7	+32:57:24	300	90	3.0	#64 Galaxy For	2	
0143.260_20	900	11:05	01:53:29.7	+32:57:46	300	110	3.0	#64 Galaxy For	2	
0144.COMP	12	11:20	01:53:29.7	+32:57:46	300	110	3.0	#64 Galaxy For	2	
0145.260_21	1200	11:22	01:48:07.8	+32:58:59	300	90	3.0	#64 Galaxy For	2	
0146.COMP	12	11:42	01:48:07.8	+32:58:59	300	90	3.0	#64 Galaxy For	2	
0147.400_03	780	11:45	02:55:22.6	+05:11:19	300	90	3.0	#64 Galaxy For	2	
0148.COMP	12	11:58	02:55:22.6	+05:11:19	300	90	3.0	#64 Galaxy For	2	
0149.400_04	780	11:59	02:55:05.6	+05:11:25	300	90	3.0	#64 Galaxy For	2	
0150.COMP	12	12:13	02:55:05.6	+05:11:25	300	90	3.0	#64 Galaxy For	2	
0151.Hiltner600	50	12:15	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0152.COMP	12	12:16	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0153-0157.sky	2	12:52	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0158.COMP	5	12:53	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0159-0168.BIAS	0	12:55	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	





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Coll. Focus 1020 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>Bir</i>	<i>Comments</i>
0169-0178.FLAT	6	12:58	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0179-0188.BIAS	0	13:00	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	2	
0189-0198.FLAT	12	13:05	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	2	
0199-0208.DARK	900	15:23	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	0:57	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0011.BIAS	0	1:25	06:42:37.2	02:11:25	600	90	2.0	#57 Velocity S	4	600L, tilt=440, 2arcsec
0012-0020.BIAS	0	1:26	06:42:37.2	02:11:25	600	90	2.0	#57 Velocity S	4	
0021-0030.FLAT	24	1:36	06:42:37.2	02:11:25	600	90	2.0	#57 Velocity S	4	
0031.BDp332642	70	2:28	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0032.COMP	10	2:29	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0033.hs2845	594	2:31	16:22:19.9	72:05:55	600	90	2.0	#122 Halo Star	4	
0034.COMP	10	2:41	16:22:19.9	72:05:55	600	90	2.0	#122 Halo Star	4	
0035.hs2847	390	2:42	16:23:57.9	65:04:14	600	90	2.0	#122 Halo Star	4	
0036.COMP	10	2:49	16:23:57.9	65:04:14	600	90	2.0	#122 Halo Star	4	
0037.hs2849	414	2:50	16:24:21.9	71:08:11	600	90	2.0	#122 Halo Star	4	
0038.COMP	10	2:58	16:24:21.9	71:08:11	600	90	2.0	#122 Halo Star	4	
0039.hs2850	528	2:59	16:25:11.0	61:48:49	600	90	2.0	#122 Halo Star	4	
0040.COMP	10	3:08	16:25:11.0	61:48:49	600	90	2.0	#122 Halo Star	4	
0041.hs2852	366	3:09	16:28:28.0	63:02:37	600	90	2.0	#122 Halo Star	4	
0042.COMP	10	3:15	16:28:28.0	63:02:37	600	90	2.0	#122 Halo Star	4	
0043.hs2853	588	3:16	16:28:58.9	60:07:24	600	90	2.0	#122 Halo Star	4	
0044.COMP	10	3:26	16:28:58.9	60:07:24	600	90	2.0	#122 Halo Star	4	
0045.hs2862	564	3:27	16:34:00.0	67:11:06	600	90	2.0	#122 Halo Star	4	
0046.COMP	10	3:37	16:34:00.0	67:11:06	600	90	2.0	#122 Halo Star	4	

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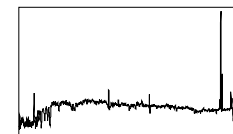
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0047.hs2864	444	3:39	16:35:31.5	67:30:58	600	90	2.0	#122 Halo Star	4	
0048.COMP	10	3:46	16:35:31.5	67:30:58	600	90	2.0	#122 Halo Star	4	
0049.hs2890	576	3:48	17:00:30.8	64:52:04	600	90	2.0	#122 Halo Star	4	
0050.COMP	10	3:58	17:00:30.8	64:52:04	600	90	2.0	#122 Halo Star	4	
0051.hs2891	570	4:00	17:00:46.3	68:05:40	600	90	2.0	#122 Halo Star	4	
0052.COMP	10	4:09	17:00:46.3	68:05:40	600	90	2.0	#122 Halo Star	4	
0053.hs2892	594	4:11	17:01:16.6	64:38:13	600	90	2.0	#122 Halo Star	4	
0054.COMP	10	4:21	17:01:16.6	64:38:13	600	90	2.0	#122 Halo Star	4	
0055.hs2896	576	4:22	17:04:52.6	61:56:44	600	90	2.0	#122 Halo Star	4	
0056.COMP	10	4:33	17:04:52.6	61:56:44	600	90	2.0	#122 Halo Star	4	
0057.hs2943	240	4:35	23:31:43.8	23:35:49	600	90	2.0	#122 Halo Star	4	
0058.COMP	12	4:39	23:31:43.8	23:35:49	600	90	2.0	#122 Halo Star	4	
0059.hs2944	324	4:40	23:32:09.0	23:09:26	600	90	2.0	#122 Halo Star	4	
0060.COMP	10	4:46	23:32:09.0	23:09:26	600	90	2.0	#122 Halo Star	4	
0061.hs2945	234	4:47	23:32:35.6	21:44:25	600	90	2.0	#122 Halo Star	4	
0062.COMP	10	4:51	23:32:35.6	21:44:25	600	90	2.0	#122 Halo Star	4	
0063.hs2946	324	4:52	23:32:44.2	20:00:42	600	90	2.0	#122 Halo Star	4	
0064.COMP	10	4:58	23:32:44.2	20:00:42	600	90	2.0	#122 Halo Star	4	
0065.hs2947	492	4:59	23:34:58.0	16:42:32	600	90	2.0	#122 Halo Star	4	
0066.COMP	10	5:08	23:34:58.0	16:42:32	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0067.hs2948	246	5:09	23:35:23.0	23:06:04	600	90	2.0	#122 Halo Star	4	
0068.COMP	10	5:15	23:35:23.0	23:06:04	600	90	2.0	#122 Halo Star	4	
0069.hs2949	306	5:16	23:35:32.4	18:35:20	600	90	2.0	#122 Halo Star	4	
0070.COMP	10	5:21	23:35:32.4	18:35:20	600	90	2.0	#122 Halo Star	4	
0071.hs2950	402	5:22	23:36:55.0	18:12:59	600	90	2.0	#122 Halo Star	4	
0072.COMP	10	5:29	23:36:55.0	18:12:59	600	90	2.0	#122 Halo Star	4	
0073.BDp284211	90	5:33	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	600L, tilt=430, 1.5arcsec
0074.COMP	10	5:35	21:48:57.1	28:37:48	600	90	1.5	#155 Cygnus Sh	4	
0075.obj7080_4-4999	330	5:36	20:46:58.7	31:56:08	600	90	1.5	#155 Cygnus Sh	4	
0076.obj7080_4-4999	330	5:41	20:46:58.7	31:56:08	600	90	1.5	#155 Cygnus Sh	4	
0077.COMP	10	5:48	20:46:58.7	31:56:08	600	90	1.5	#155 Cygnus Sh	4	
0078.obj7077_8-763	330	5:50	20:52:27.7	31:56:27	600	90	1.5	#155 Cygnus Sh	4	
0079.obj7077_8-763	330	5:55	20:52:27.7	31:56:27	600	90	1.5	#155 Cygnus Sh	4	
0080.obj7077_3-3567	315	6:01	20:50:23.9	32:07:04	600	90	1.5	#155 Cygnus Sh	4	
0081.obj7077_3-3567	315	6:07	20:50:23.9	32:07:04	600	90	1.5	#155 Cygnus Sh	4	
0082.COMP	10	6:12	20:50:23.9	32:07:04	600	90	1.5	#155 Cygnus Sh	4	
0083.obj7086_1-79	300	6:13	20:49:40.4	31:38:10	600	90	1.5	#155 Cygnus Sh	4	
0084.obj7086_1-79	300	6:18	20:49:40.4	31:38:10	600	90	1.5	#155 Cygnus Sh	4	
0085.obj7077_7-22	300	6:25	20:51:35.9	32:06:58	600	90	1.5	#155 Cygnus Sh	4	
0086.obj7077_7-22	300	6:30	20:51:35.9	32:06:58	600	90	1.5	#155 Cygnus Sh	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0087.COMP	10	6:35	20:51:35.9	32:06:58	600	90	1.5	#155 Cygnus Sh	4	
0088.obj7095_7-907	330	6:36	20:53:10.1	30:16:08	600	90	1.5	#155 Cygnus Sh	4	
0089.obj7095_7-907	330	6:42	20:53:10.1	30:16:08	600	90	1.5	#155 Cygnus Sh	4	
0090.obj7113_2-266	330	6:48	20:55:26.1	29:42:30	600	90	1.5	#155 Cygnus Sh	4	
0091.obj7113_2-266	330	6:54	20:55:26.1	29:42:30	600	90	1.5	#155 Cygnus Sh	4	
0092.COMP	10	7:00	20:55:26.1	29:42:30	600	90	1.5	#155 Cygnus Sh	4	
0093-0102.FLAT	55	7:10	20:55:26.1	29:42:30	600	90	1.5	#155 Cygnus Sh	4	
0103.BDp284211	60	7:19	21:48:57.1	28:37:48	300	90	5.0	#56 Spectropho	2	300L, tilt=600, 5arcsec
0104.BDp284211	60	7:21	21:48:57.1	28:37:48	300	90	5.0	#56 Spectropho	2	
0105.BDp284211	60	7:22	21:48:57.1	28:37:48	300	90	5.0	#56 Spectropho	2	
0106.BDp284211	60	7:23	21:48:57.1	28:37:48	300	90	5.0	#56 Spectropho	2	
0107.BDp284211	60	7:24	21:48:57.1	28:37:48	300	90	5.0	#56 Spectropho	2	
0108.COMP	7	7:26	21:48:57.1	28:37:48	300	90	5.0	#56 Spectropho	2	
0109.BDp174708	25	7:32	22:11:31.4	18:05:34	300	90	5.0	#56 Spectropho	2	
0110.BDp174708	25	7:32	22:11:31.4	18:05:34	300	90	5.0	#56 Spectropho	2	
0111.BDp174708	25	7:33	22:11:31.4	18:05:34	300	90	5.0	#56 Spectropho	2	
0112.BDp174708	25	7:34	22:11:31.4	18:05:34	300	90	5.0	#56 Spectropho	2	
0113.BDp174708	25	7:34	22:11:31.4	18:05:34	300	90	5.0	#56 Spectropho	2	
0114.COMP	7	7:36	22:11:31.4	18:05:34	300	90	5.0	#56 Spectropho	2	
0115-0124.FLAT	7	7:39	22:11:31.4	18:05:34	300	90	5.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0125.BDp284211	60	7:42	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	combo setup
0126.COMP	12	7:44	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0127.BDp174708	25	7:46	22:11:31.4	18:05:34	300	56	3.0	#56 Spectropho	2	
0128.COMP	12	7:46	22:11:31.4	18:05:34	300	56	3.0	#56 Spectropho	2	
0129.sn2004ef	1200	7:49	22:42:10.0	+19:59:40	300	54	3.0	#2 SN Observat	2	
0130.COMP	12	8:11	22:42:10.0	+19:59:40	300	54	3.0	#2 SN Observat	2	
0131.M31	60	8:12	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0132.COMP	12	8:14	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0133.003512p05560_c	1050	8:25	00:37:42.6	06:13:59	300	0	3.0	#113 Interacti	2	
0134.003512p05560_c	1050	8:43	00:37:42.6	06:13:59	300	0	3.0	#113 Interacti	2	
0135.COMP	12	9:01	00:37:42.6	06:13:59	300	0	3.0	#113 Interacti	2	
0136.004154p16320_c	1050	9:04	0:44:33.3	16:50:12	300	90	3.0	#113 Interacti	2	
0137.004154p16320_c	1050	9:22	0:44:33.3	16:50:12	300	90	3.0	#113 Interacti	2	
0138.COMP	12	9:39	0:44:33.3	16:50:12	300	90	3.0	#113 Interacti	2	
0139.004948p14150_b	1200	9:44	0:52:26.8	14:32:39	300	90	3.0	#113 Interacti	2	
0140.004948p14150_b	1200	10:04	0:52:26.8	14:32:39	300	90	3.0	#113 Interacti	2	
0141.COMP	12	10:25	0:52:26.8	14:32:39	300	90	3.0	#113 Interacti	2	
0142.sn2004dn	1200	10:29	02:35:37.3	+37:37:54	300	-19	3.0	#2 SN Observat	2	row=73
0143.sn2004dn	1200	10:49	02:35:37.3	+37:37:54	300	-19	3.0	#2 SN Observat	2	
0144.COMP	12	11:09	02:35:37.3	+37:37:54	300	-19	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0145.025754p44460.c	900	11:12	3:1:42.9	44:57:45	300	35	3.0	#113 Interacti	2	
0146.025754p44460.c	900	11:28	3:1:42.9	44:57:45	300	35	3.0	#113 Interacti	2	
0147.COMP	12	11:43	3:1:42.9	44:57:45	300	35	3.0	#113 Interacti	2	
0148.BGGem	300	11:46	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0149.COMP	12	11:51	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0150.BGGem	1200	11:52	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0151.COMP	12	12:13	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0152.Hiltner600	60	12:15	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0153.COMP	12	12:17	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0154-0163.BIAS	0	12:33	06:42:37.2	02:11:25	300	90	3.0	#113 Interacti	2	
0164-0173.FLAT	12	12:40	06:42:37.2	02:11:25	300	90	3.0	#113 Interacti	2	
0174-0183.DARK	900	14:58	06:42:37.2	02:11:25	300	90	3.0	#113 Interacti	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	1:22	17:43:20.4	+31:29:51	300	90	3.0	#113 Interacti	4	
0002-0010.BIAS	0	1:23	17:44:21.1	+31:29:50	300	90	3.0	#113 Interacti	4	
0011-0014.FLAT	8	1:24	17:45:43.4	+31:29:50	300	90	3.0	#113 Interacti	4	
0015-0020.FLAT	8	1:26	17:47:44.8	+31:29:49	300	90	3.0	#113 Interacti	4	
0021-0022.BIAS	0	1:27	17:48:15.0	+31:29:49	300	90	3.0	#113 Interacti	2	
0023-0030.BIAS	0	1:28	17:49:55.3	+31:29:48	300	90	3.0	#113 Interacti	2	
0031.FLAT	16	1:29	17:50:34.2	+31:29:48	300	90	3.0	#113 Interacti	2	
0032-0036.FLAT	16	1:32	17:53:31.7	+31:29:47	300	90	3.0	#113 Interacti	2	
0037-0040.FLAT	16	1:34	17:55:51.0	+31:29:46	300	90	3.0	#113 Interacti	2	
0041-0045.sky	3	1:44	18:00:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	1:47	18:00:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0047.2M15354840+7124308	210	2:33	15:35:48.4	+71:24:30	300	90	3.0	#141 Mapping t	4	
0048.COMP	5	2:36	15:35:48.4	+71:24:30	300	90	3.0	#141 Mapping t	4	
0049.2M15303922+6741391	270	2:37	15:30:39.2	+67:41:39	300	90	3.0	#141 Mapping t	4	
0050.COMP	5	2:42	15:30:39.2	+67:41:39	300	90	3.0	#141 Mapping t	4	
0051.sn2004e1	1200	2:43	14:59:51.7	+54:37:06	300	90	3.0	#2 SN Observat	2	
0052.COMP	10	3:03	14:59:51.7	+54:37:06	300	90	3.0	#2 SN Observat	2	
0053.sn2004dk	1200	3:06	16:21:48.9	-02:16:17	300	50	3.0	#2 SN Observat	2	
0054.COMP	10	3:26	16:21:48.9	-02:16:17	300	50	3.0	#2 SN Observat	2	
0055.2M15441784+3441467	270	3:29	15:44:17.8	+34:41:46	300	90	3.0	#141 Mapping t	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0056.COMP	5	3:34	15:44:17.8	+34:41:46	300	90	3.0	#141 Mapping t	4	
0057.2M15513587+1311172	210	3:35	15:51:35.8	+13:11:17	300	90	3.0	#141 Mapping t	4	
0058.COMP	5	3:39	15:51:35.8	+13:11:17	300	90	3.0	#141 Mapping t	4	
0059.2M18153013-0253481	1800	3:40	18:15:30.1	-02:53:48	300	90	3.0	#141 Mapping t	2	ok em
0060.COMP	10	4:11	18:15:30.1	-02:53:48	300	90	3.0	#141 Mapping t	2	
0061.2M19044653-0338246	1800	4:12	19:4:46.5	-03:38:24	300	70	3.0	#141 Mapping t	2	
0062.COMP	10	4:43	19:4:46.5	-03:38:24	300	70	3.0	#141 Mapping t	2	
0063.2M23480153+2814081	300	4:47	23:48:1.5	+28:14:8	300	70	3.0	#141 Mapping t	4	
0064.COMP	5	4:53	23:48:1.5	+28:14:8	300	70	3.0	#141 Mapping t	4	
0065.2M23525050+2845553	300	4:54	23:52:50.5	+28:45:55	300	70	3.0	#141 Mapping t	4	
0066.COMP	5	4:59	23:52:50.5	+28:45:55	300	70	3.0	#141 Mapping t	4	
0067.2M23501352+0610570	270	5:00	23:50:13.5	+06:10:57	300	90	3.0	#141 Mapping t	4	
0068.COMP	5	5:05	23:50:13.5	+06:10:57	300	90	3.0	#141 Mapping t	4	
0069.2M23495339+0624319	270	5:06	23:49:53.3	+06:24:31	300	90	3.0	#141 Mapping t	4	
0070.COMP	5	5:11	23:49:53.3	+06:24:31	300	90	3.0	#141 Mapping t	4	
0071.2M23492048-0216452	270	5:12	23:49:20.4	-02:16:45	300	90	3.0	#141 Mapping t	4	
0072.COMP	5	5:17	23:49:20.4	-02:16:45	300	90	3.0	#141 Mapping t	4	
0073.2M23454733-0235294	270	5:17	23:45:47.3	-02:35:29	300	90	3.0	#141 Mapping t	4	
0074.COMP	5	5:22	23:45:47.3	-02:35:29	300	90	3.0	#141 Mapping t	4	
0075.2M23554179-0345299	240	5:22	23:55:41.7	-03:45:29	300	90	3.0	#141 Mapping t	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0076.COMP	5	5:27	23:55:41.7	-03:45:29	300	90	3.0	#141 Mapping t	4	
0077.2M23581773-0233246	270	5:27	23:58:17.7	-02:33:24	300	90	3.0	#141 Mapping t	4	
0078.COMP	5	5:32	23:58:17.7	-02:33:24	300	90	3.0	#141 Mapping t	4	
0079.2M23595879+0042066EW	480	5:34	23:59:58.7	+00:42:6	300	103	3.0	#141 Mapping t	2	E and W gals
0080.COMP	10	5:42	23:59:58.7	+00:42:6	300	103	3.0	#141 Mapping t	2	E gal at row 84, W gal at row 77
0081.BDp284211	90	5:45	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0082.BDp284211	90	5:46	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0083.COMP	10	5:48	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0084.BDp174708	45	5:50	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0085.BDp174708	45	5:51	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0086.BDp174708	45	5:52	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0087.COMP	10	5:54	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0088.Akn564	180	5:57	22:42:39.4	+29:43:31	300	-8	3.0	#6 AGN Monitor	4	
0089.Akn564	180	6:00	22:42:39.4	+29:43:31	300	-8	3.0	#6 AGN Monitor	4	
0090.COMP	5	6:03	22:42:39.4	+29:43:31	300	-8	3.0	#6 AGN Monitor	4	
0091.sn2004ef	1200	6:06	22:42:10.0	+19:59:40	300	-8	3.0	#2 SN Observat	2	
0092.COMP	10	6:26	22:42:10.0	+19:59:40	300	-8	3.0	#2 SN Observat	2	
0093.N7469	120	6:27	23:03:15.7	+08:52:27	300	-8	3.0	#6 AGN Monitor	4	
0094.N7469	120	6:30	23:03:15.7	+08:52:27	300	-8	3.0	#6 AGN Monitor	4	
0095.COMP	5	6:32	23:03:15.7	+08:52:27	300	-8	3.0	#6 AGN Monitor	4	

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0096.260_22	600	6:37	01:50:24.1	+33:00:09	300	90	3.0	#64 Galaxy For	4	
0097.COMP	5	6:47	01:50:24.1	+33:00:09	300	90	3.0	#64 Galaxy For	4	
0098.260_23	660	6:48	01:49:58.8	+33:00:56	300	90	3.0	#64 Galaxy For	4	
0099.COMP	5	6:59	01:49:58.8	+33:00:56	300	90	3.0	#64 Galaxy For	4	
0100.260_24	330	7:00	01:50:35.7	+33:01:44	300	90	3.0	#64 Galaxy For	4	
0101.COMP	5	7:06	01:50:35.7	+33:01:44	300	90	3.0	#64 Galaxy For	4	
0102.260_25	660	7:07	01:51:02.8	+33:03:17	300	90	3.0	#64 Galaxy For	4	
0103.COMP	5	7:19	01:51:02.8	+33:03:17	300	90	3.0	#64 Galaxy For	4	
0104.260_26	660	7:19	01:52:31.5	+33:03:20	300	90	3.0	#64 Galaxy For	4	
0105.COMP	5	7:31	01:52:31.5	+33:03:20	300	90	3.0	#64 Galaxy For	4	
0106.260_27	600	7:31	01:50:33.4	+33:04:28	300	90	3.0	#64 Galaxy For	4	
0107.COMP	5	7:42	01:50:33.4	+33:04:28	300	90	3.0	#64 Galaxy For	4	
0108.260_28	660	7:42	01:51:16.5	+33:06:12	300	90	3.0	#64 Galaxy For	4	
0109.COMP	5	7:54	01:51:16.5	+33:06:12	300	90	3.0	#64 Galaxy For	4	
0110.260_29	900	7:54	01:50:22.9	+33:06:58	300	90	3.0	#64 Galaxy For	4	
0111.COMP	5	8:10	01:50:22.9	+33:06:58	300	90	3.0	#64 Galaxy For	4	
0112.260_30	600	8:11	01:48:56.2	+33:07:09	300	90	3.0	#64 Galaxy For	4	
0113.COMP	5	8:21	01:48:56.2	+33:07:09	300	90	3.0	#64 Galaxy For	4	
0114.260_31	480	8:21	01:53:20.4	+33:07:12	300	90	3.0	#64 Galaxy For	4	
0115.COMP	5	8:30	01:53:20.4	+33:07:12	300	90	3.0	#64 Galaxy For	4	

UT Date 2004-09-17 Observers P BerlindColl. Focus 1020 Grating/Grism 300

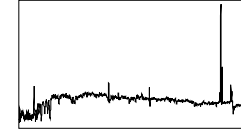
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0116.260_32	600	8:30	01:50:19.9	+33:09:17	300	90	3.0	#64 Galaxy For	4	
0117.COMP	5	8:41	01:50:19.9	+33:09:17	300	90	3.0	#64 Galaxy For	4	
0118.260_36	660	8:41	01:49:53.5	+33:11:38	300	90	3.0	#64 Galaxy For	4	
0119.COMP	5	8:53	01:49:53.5	+33:11:38	300	90	3.0	#64 Galaxy For	4	
0120.260_37	720	8:53	01:50:35.1	+33:13:22	300	90	3.0	#64 Galaxy For	4	
0121.COMP	5	9:06	01:50:35.1	+33:13:22	300	90	3.0	#64 Galaxy For	4	
0122.2M01311294+6735115	1800	9:08	1:31:12.9	+67:35:11	300	100	3.0	#141 Mapping t	2	
0123.COMP	10	9:39	1:31:12.9	+67:35:11	300	100	3.0	#141 Mapping t	2	
0124.2M01582742+6744421	1800	9:40	1:58:27.4	+67:44:42	300	90	3.0	#141 Mapping t	2	
0125.COMP	10	10:11	1:58:27.4	+67:44:42	300	90	3.0	#141 Mapping t	2	
0126.2M02460356+6455149	1800	10:14	2:46:3.5	+64:55:14	300	90	3.0	#141 Mapping t	2	
0127.COMP	10	10:44	2:46:3.5	+64:55:14	300	90	3.0	#141 Mapping t	2	
0128.2M02390575-0656486	330	10:46	2:39:5.7	-06:56:48	300	90	3.0	#141 Mapping t	4	
0129.COMP	5	10:52	2:39:5.7	-06:56:48	300	90	3.0	#141 Mapping t	4	
0130.484_01	900	10:54	04:18:04.4	-08:02:24	300	0	3.0	#64 Galaxy For	4	
0131.COMP	5	11:09	04:18:04.4	-08:02:24	300	0	3.0	#64 Galaxy For	4	
0132.484_02	900	11:10	04:14:47.8	-08:01:04	300	0	3.0	#64 Galaxy For	4	
0133.COMP	5	11:26	04:14:47.8	-08:01:04	300	0	3.0	#64 Galaxy For	4	
0134.484_03	660	11:26	04:14:50.0	-07:57:02	300	0	3.0	#64 Galaxy For	4	
0135.COMP	5	11:38	04:14:50.0	-07:57:02	300	0	3.0	#64 Galaxy For	4	

UT Date 2004-09-17 Observers P BerlindColl. Focus 1020 Grating/Grism 300

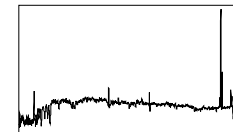
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0136.484_04	600	11:39	04:16:10.0	-07:45:50	300	0	3.0	#64 Galaxy For	4	
0137.COMP	5	11:49	04:16:10.0	-07:45:50	300	0	3.0	#64 Galaxy For	4	
0138.484_05	600	11:49	04:15:34.9	-07:33:31	300	0	3.0	#64 Galaxy For	4	
0139.COMP	5	12:00	04:15:34.9	-07:33:31	300	0	3.0	#64 Galaxy For	4	
0140.NGC1700	180	12:01	04:56:58.1	-04:52:23	300	0	3.0	#57 Velocity S	4	
0141.COMP	5	12:04	04:56:58.1	-04:52:23	300	0	3.0	#57 Velocity S	4	
0142.BIAS	0	12:08	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	4	a few clouds around
0143-0151.BIAS	0	12:09	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	4	
0152-0161.FLAT	8	12:12	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	4	
0162-0171.BIAS	0	12:14	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	2	
0172-0181.FLAT	16	12:20	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	2	
0182-0191.DARK	900	14:38	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	4	
0192-0201.DARK	900	17:11	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	2	

UT Date 2004-09-18 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	1:01	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	4	
0011-0020.BIAS	0	2:12	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	4	
0021-0030.FLAT	8	2:15	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	4	
0031-0040.BIAS	0	2:18	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	2	
0041.FLAT	16	2:18	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	2	clouds
0042-0050.FLAT	16	2:23	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	2	
0051-0060.DARK	900	4:41	4:00:00	25:00:00	300	90	3.0	#141 Mapping t	2	
0061.BDp284211	100	5:40	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0062.BDp284211	100	5:42	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0063.COMP	10	5:44	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0064.BDp174708	50	5:46	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0065.BDp174708	50	5:47	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0066.BDp174708	50	5:48	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0067.COMP	10	5:49	22:11:31.4	18:05:34	300	0	3.0	#56 Spectropho	2	
0068.IRAS21066+7710	240	5:59	21:05:50.3	77:22:26	300	0	3.0	#156 Cepheus P	2	
0069.COMP	5	6:03	21:05:50.3	77:22:26	300	0	3.0	#156 Cepheus P	2	
0070.K98-53	300	6:04	21:15:35.8	69:40:49	300	0	3.0	#156 Cepheus P	2	
0071.COMP	10	6:10	21:15:35.8	69:40:49	300	0	3.0	#156 Cepheus P	2	
0072.VDB141	90	6:11	21:16:26.3	68:15:37	300	0	3.0	#156 Cepheus P	4	
0073.COMP	5	6:13	21:16:26.3	68:15:37	300	0	3.0	#156 Cepheus P	4	

UT Date 2004-09-18 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0074.IRAS21169+6842	30	6:14	21:17:39.8	68:55:10	300	0	3.0	#156 Cepheus P	4	
0075.COMP	5	6:15	21:17:39.8	68:55:10	300	0	3.0	#156 Cepheus P	4	
0076.K98-57	480	6:15	21:20:38.6	69:28:03	300	0	3.0	#156 Cepheus P	4	
0077.COMP	5	6:24	21:20:38.6	69:28:03	300	0	3.0	#156 Cepheus P	4	
0078.sn2004ef	540	6:26	22:42:10.0	+19:59:40	300	15	3.0	#2 SN Observat	2	
0079.COMP	10	6:35	22:42:10.0	+19:59:40	300	15	3.0	#2 SN Observat	2	
0080.ZAnd	30	6:40	23:33:40	48:49:06	300	0	3.0	#12 Symbiotic	4	stopped by clouds
0081.ZAnd	90	6:41	23:33:40	48:49:06	300	0	3.0	#12 Symbiotic	4	
0082.ZAnd	60	6:43	23:33:40	48:49:06	300	0	3.0	#12 Symbiotic	4	
0083.COMP	5	6:44	23:33:40	48:49:06	300	0	3.0	#12 Symbiotic	4	

UT Date 2004-09-19 Observers P BerlindColl. Focus 1020 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>Bir</i>	<i>Comments</i>
0001-0010.BIAS	0	4:10	23:33:40	48:49:06	300	90	3.0	#2 SN Observat	4	
0011-0020.FLAT	8	4:13	23:33:40	48:49:06	300	90	3.0	#2 SN Observat	4	
0021-0030.BIAS	0	4:15	23:33:40	48:49:06	300	90	3.0	#2 SN Observat	2	
0031-0040.FLAT	16	4:21	23:33:40	48:49:06	300	90	3.0	#2 SN Observat	2	
0041-0050.DARK	900	6:44	23:33:40	48:49:06	300	90	3.0	#2 SN Observat	4	
0051-0060.DARK	900	9:16	23:33:40	48:49:06	300	90	3.0	#2 SN Observat	2	

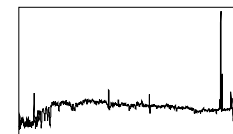


UT Date 2004-09-20 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	1:37	18:25:06.0	+31:29:34	300	90	3.0	#2 SN Observat	4	
0002.DARK	900	1:52	18:40:16.6	+31:29:28	300	90	3.0	#2 SN Observat	4	
0003.DARK	900	2:07	18:55:23.5	+31:29:22	300	90	3.0	#2 SN Observat	4	
0004.DARK	900	2:22	19:10:33.6	+31:29:17	300	90	3.0	#2 SN Observat	4	
0005.DARK	900	2:37	19:25:40.3	+31:29:11	300	90	3.0	#2 SN Observat	4	
0006.DARK	900	2:52	19:40:50.7	+31:29:05	300	90	3.0	#2 SN Observat	4	
0007.DARK	900	3:07	19:56:01.3	+31:29:00	300	90	3.0	#2 SN Observat	4	
0008.DARK	900	3:22	20:11:07.9	+31:28:55	300	90	3.0	#2 SN Observat	4	
0009.DARK	900	3:38	20:26:18.6	+31:28:50	300	90	3.0	#2 SN Observat	4	
0010.DARK	900	3:53	20:41:25.7	+31:28:46	300	90	3.0	#2 SN Observat	4	
0011-0020.BIAS	0	5:45	22:19:16.4	+31:28:23	300	90	3.0	#2 SN Observat	4	
0021-0030.FLAT	6	6:16	22:50:34.6	+31:28:19	300	90	3.0	#2 SN Observat	4	
0031-0035.BIAS	0	6:18	22:52:26.6	+31:28:19	300	90	3.0	#2 SN Observat	2	
0036-0040.BIAS	0	6:19	22:53:27.9	+31:28:18	300	90	3.0	#2 SN Observat	2	
0041-0050.FLAT	12	6:24	22:58:26.6	+31:28:18	300	90	3.0	#2 SN Observat	2	

UT Date 2004-09-21 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	22:44	15:35:49.8	+31:30:37	300	90	3.0	#2 SN Observat	4	
0002.DARK	900	22:59	15:51:00.3	+31:30:32	300	90	3.0	#2 SN Observat	4	
0003.DARK	900	23:14	16:06:07.5	+31:30:27	300	90	3.0	#2 SN Observat	4	
0004.DARK	900	23:29	16:21:18.1	+31:30:22	300	90	3.0	#2 SN Observat	4	
0005.DARK	900	23:44	16:36:28.7	+31:30:16	300	90	3.0	#2 SN Observat	4	
0006.DARK	900	23:59	16:51:35.6	+31:30:11	300	90	3.0	#2 SN Observat	4	
0007.DARK	900	0:15	17:06:46.5	+31:30:05	300	90	3.0	#2 SN Observat	4	
0008.DARK	900	0:30	17:21:53.3	+31:29:59	300	90	3.0	#2 SN Observat	4	
0009.DARK	900	0:45	17:37:04.0	+31:29:53	300	90	3.0	#2 SN Observat	4	
0010.DARK	900	1:00	17:52:14.7	+31:29:47	300	90	3.0	#2 SN Observat	4	
0011-0013.BIAS	0	1:24	18:00:55.0	+31:29:44	300	90	3.0	#2 SN Observat	4	
0014-0020.BIAS	0	1:24	18:01:43.0	+31:29:43	300	90	3.0	#2 SN Observat	4	
0021-0024.FLAT	6	1:26	18:03:18.3	+31:29:43	300	90	3.0	#2 SN Observat	4	
0025-0030.FLAT	6	1:27	18:04:32.5	+31:29:42	300	90	3.0	#2 SN Observat	4	
0031-0040.BIAS	0	1:31	18:08:18.2	+31:29:41	300	90	3.0	#2 SN Observat	2	
0041-0045.FLAT	12	1:33	18:10:49.9	+31:29:40	300	90	3.0	#2 SN Observat	2	
0046-0050.FLAT	12	1:35	18:12:51.5	+31:29:39	300	90	3.0	#2 SN Observat	2	

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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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
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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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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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
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	