

UT Date 2004-10-05 Observers M CalkinsColl. Focus 1012 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0006.BIAS	0	2:24	19:56:36.8	+31:28:59	300	90	3.0	#122 Halo Star	4	
0007-0010.BIAS	0	2:24	19:57:06.6	+31:28:58	300	90	3.0	#122 Halo Star	4	
0011-0016.FLAT	6	2:30	20:02:18.9	+31:28:57	300	90	3.0	#122 Halo Star	4	
0017-0020.FLAT	6	2:30	20:03:07.1	+31:28:56	300	90	3.0	#122 Halo Star	4	
0021-0029.BIAS	0	2:33	20:05:17.0	+31:28:56	300	90	3.0	#122 Halo Star	2	
0030.BIAS	0	2:33	20:05:29.9	+31:28:55	300	90	3.0	#122 Halo Star	2	
0031-0034.FLAT	12	2:35	20:07:53.4	+31:28:55	300	90	3.0	#122 Halo Star	2	
0035-0040.FLAT	12	2:37	20:10:20.4	+31:28:54	300	90	3.0	#122 Halo Star	2	
0041.BDp332642	60	2:47	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0042.BDp332642	60	2:48	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0043.COMP	12	2:50	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0044.BDp332642	60	2:52	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0045.BDp332642	60	2:54	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0046.COMP	5	2:56	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0047.3C390.3	300	3:11	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0048.3C390.3	300	3:17	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0049.3C390.3	300	3:22	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0050.COMP	12	3:27	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0051.MRK509	180	3:31	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0052.MRK509	180	3:34	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0053.COMP	12	3:38	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0054.XS00929B6_012	720	3:40	00:26:09.8	+17:16:01	300	90	3.0	#129 CHAMP Sou	2	
0055.COMP	12	3:53	00:26:09.8	+17:16:01	300	90	3.0	#129 CHAMP Sou	2	
0056.Akn564	180	3:56	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0057.Akn564	180	3:59	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0058.COMP	12	4:02	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0059.HD192281	5	4:12	20:10:46.8	40:07:01	300	108	5.0	#0 Calibration	2	5arcsec slit for Warren
0060.HD192281	5	4:12	20:10:46.8	40:07:01	300	108	5.0	#0 Calibration	2	
0061.HD192281	5	4:12	20:10:46.8	40:07:01	300	108	5.0	#0 Calibration	2	
0062.HD192281	5	4:12	20:10:46.8	40:07:01	300	108	5.0	#0 Calibration	2	
0063.HD192281	5	4:13	20:10:46.8	40:07:01	300	108	5.0	#0 Calibration	2	
0064.COMP	7	4:14	20:10:46.8	40:07:01	300	108	5.0	#0 Calibration	2	
0065.BDp284211	60	4:20	21:48:57.1	28:37:48	300	-12	5.0	#0 Calibration	2	
0066.BDp284211	60	4:21	21:48:57.1	28:37:48	300	-12	5.0	#0 Calibration	2	
0067.BDp284211	60	4:22	21:48:57.1	28:37:48	300	-12	5.0	#0 Calibration	2	
0068.BDp284211	60	4:24	21:48:57.1	28:37:48	300	-12	5.0	#0 Calibration	2	
0069.BDp284211	60	4:25	21:48:57.1	28:37:48	300	-12	5.0	#0 Calibration	2	
0070.COMP	7	4:27	21:48:57.1	28:37:48	300	-12	5.0	#0 Calibration	2	
0071-0080.FLAT	7	4:32	21:48:57.1	28:37:48	300	90	5.0	#0 Calibration	2	
0081.BDp174708	15	4:39	22:11:31.4	18:05:34	300	-2	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0082.BDp174708	15	4:40	22:11:31.4	18:05:34	300	-2	3.0	#56 Spectropho	2	
0083.COMP	12	4:41	22:11:31.4	18:05:34	300	-2	3.0	#56 Spectropho	2	
0084.BDp284211	60	4:44	21:48:57.1	28:37:48	300	61	3.0	#56 Spectropho	2	
0085.BDp284211	60	4:45	21:48:57.1	28:37:48	300	61	3.0	#56 Spectropho	2	
0086.COMP	12	4:48	21:48:57.1	28:37:48	300	61	3.0	#56 Spectropho	2	
0087.sn2004et	240	4:54	20:35:25.4	60:07:17	300	-45	3.0	#2 SN Observat	2	
0088.COMP	12	4:58	20:35:25.4	60:07:17	300	-45	3.0	#2 SN Observat	2	
0089.XS02100B5_001	1500	5:55	00:27:51.5	-01:48:09	300	90	3.0	#129 CHAMP Sou	2	
0090.COMP	12	6:21	00:27:51.5	-01:48:09	300	90	3.0	#129 CHAMP Sou	2	
0091.260_38	780	6:25	01:51:59.9	+33:15:31	300	90	3.0	#64 Galaxy For	2	
0092.COMP	12	6:38	01:51:59.9	+33:15:31	300	90	3.0	#64 Galaxy For	2	
0093.260_39	420	6:39	01:52:30.4	+33:19:09	300	90	3.0	#64 Galaxy For	2	
0094.COMP	12	6:47	01:52:30.4	+33:19:09	300	90	3.0	#64 Galaxy For	2	
0095.260_40	1200	6:48	01:49:50.4	+33:19:36	300	90	3.0	#64 Galaxy For	2	
0096.COMP	12	7:08	01:49:50.4	+33:19:36	300	90	3.0	#64 Galaxy For	2	
0097.260_41	300	7:10	01:53:13.6	+33:22:02	300	90	3.0	#64 Galaxy For	2	
0098.COMP	12	7:15	01:53:13.6	+33:22:02	300	90	3.0	#64 Galaxy For	2	
0099.260_42	480	7:16	01:52:24.5	+33:23:33	300	90	3.0	#64 Galaxy For	2	
0100.COMP	12	7:25	01:52:24.5	+33:23:33	300	90	3.0	#64 Galaxy For	2	
0101.260_43	480	7:26	01:53:42.0	+33:23:39	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
0102.COMP	12	7:34	01:53:42.0	+33:23:39	300	90	3.0	#64 Galaxy For	2	
0103.260_44	480	7:35	01:50:03.5	+33:24:29	300	90	3.0	#64 Galaxy For	2	
0104.COMP	12	7:44	01:50:03.5	+33:24:29	300	90	3.0	#64 Galaxy For	2	
0105.260_45	1200	8:04	01:51:00.6	+33:26:07	300	90	3.0	#64 Galaxy For	2	
0106.COMP	12	8:25	01:51:00.6	+33:26:07	300	90	3.0	#64 Galaxy For	2	
0107.260_46	780	8:26	01:54:07.6	+33:31:32	300	90	3.0	#64 Galaxy For	2	
0108.COMP	12	8:39	01:54:07.6	+33:31:32	300	90	3.0	#64 Galaxy For	2	
0109.260_47	480	8:40	01:54:44.1	+33:33:14	300	90	3.0	#64 Galaxy For	2	need more counts...
0110.COMP	12	8:48	01:54:44.1	+33:33:14	300	90	3.0	#64 Galaxy For	2	
0111.260_47	960	8:49	01:54:44.1	+33:33:14	300	90	3.0	#64 Galaxy For	2	
0112.COMP	12	9:06	01:54:44.1	+33:33:14	300	90	3.0	#64 Galaxy For	2	
0113.sn2004er	1200	9:09	02:36:59.0	-05:21:19	300	2	3.0	#2 SN Observat	2	
0114.COMP	12	9:29	02:36:59.0	-05:21:19	300	2	3.0	#2 SN Observat	2	
0115.sn2004dn	900	9:36	02:35:37.3	+37:37:54	300	-40	3.0	#2 SN Observat	2	row=78
0116.sn2004dn	900	9:51	02:35:37.3	+37:37:54	300	-40	3.0	#2 SN Observat	2	
0117.COMP	12	10:07	02:35:37.3	+37:37:54	300	-40	3.0	#2 SN Observat	2	
0118.ZAnd	2	10:09	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0119.ZAnd	10	10:10	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0120.ZAnd	60	10:10	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0121.COMP	12	10:11	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	

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0122.EGAnd	1	10:13	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0123.EGAnd	5	10:13	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0124.EGAnd	10	10:13	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0125.COMP	12	10:14	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0126.AXPer	4	10:15	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0127.AXPer	30	10:15	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0128.AXPer	90	10:16	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0129.COMP	12	10:18	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0130.MRK335	150	10:20	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0131.MRK335	150	10:23	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0132.COMP	12	10:26	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0133.Ori1	20	10:28	5:0:41.5	0:26:10	300	90	3.0	#89 Ae/Be star	2	
0134.Ori1	20	10:28	5:0:41.5	0:26:10	300	90	3.0	#89 Ae/Be star	2	
0135.COMP	12	10:29	5:0:41.5	0:26:10	300	90	3.0	#89 Ae/Be star	2	
0136.Ori2	79	10:30	5:2:28.1	-5:44:21	300	90	3.0	#89 Ae/Be star	2	
0137.COMP	12	10:32	5:2:28.1	-5:44:21	300	90	3.0	#89 Ae/Be star	2	
0138.Ori3	90	10:33	5:2:40.8	-0:9:49	300	90	3.0	#89 Ae/Be star	2	
0139.COMP	12	10:35	5:2:40.8	-0:9:49	300	90	3.0	#89 Ae/Be star	2	
0140.Ori4	100	10:36	5:2:49.5	-4:6:16	300	90	3.0	#89 Ae/Be star	2	
0141.COMP	12	10:39	5:2:49.5	-4:6:16	300	90	3.0	#89 Ae/Be star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0142.Ori5	100	10:40	5:4:18.0	0:51:20	300	90	3.0	#89 Ae/Be star	2	
0143.COMP	12	10:42	5:4:18.0	0:51:20	300	90	3.0	#89 Ae/Be star	2	
0144.Ori6	100	10:43	5:4:19.7	5:46:17	300	90	3.0	#89 Ae/Be star	2	
0145.COMP	12	10:45	5:4:19.7	5:46:17	300	90	3.0	#89 Ae/Be star	2	
0146.Ori7	40	10:47	5:4:58.6	-1:19:12	300	90	3.0	#89 Ae/Be star	2	
0147.COMP	12	10:48	5:4:58.6	-1:19:12	300	90	3.0	#89 Ae/Be star	2	
0148.Ori8	35	10:50	5:5:50.2	-3:58:7	300	90	3.0	#89 Ae/Be star	2	
0149.COMP	12	10:51	5:5:50.2	-3:58:7	300	90	3.0	#89 Ae/Be star	2	
0150.Ori9	20	10:52	5:6:18.9	2:57:13	300	90	3.0	#89 Ae/Be star	2	
0151.Ori9	20	10:53	5:6:18.9	2:57:13	300	90	3.0	#89 Ae/Be star	2	
0152.COMP	12	10:54	5:6:18.9	2:57:13	300	90	3.0	#89 Ae/Be star	2	
0153.Ori11	100	10:56	5:7:34.6	1:6:31	300	90	3.0	#89 Ae/Be star	2	
0154.COMP	12	10:58	5:7:34.6	1:6:31	300	90	3.0	#89 Ae/Be star	2	
0155.Akn120	360	11:01	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0156.COMP	12	11:08	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0157.032112+17340	1200	11:09	03:24:07.2	+17:45:12	300	90	3.0	#84f Updated Z	2	row=65-95
0158.COMP	12	11:30	03:24:07.2	+17:45:12	300	90	3.0	#84f Updated Z	2	
0159.032518+36310W	420	11:31	03:28:30.4	+36:41:00	300	90	3.0	#84f Updated Z	2	
0160.COMP	12	11:39	03:28:30.4	+36:41:00	300	90	3.0	#84f Updated Z	2	
0161.032518+36310E	900	11:40	03:28:31.3	+36:41:07	300	90	3.0	#84f Updated Z	2	

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0162.COMP	12	11:55	03:28:31.3	+36:41:07	300	90	3.0	#84f Updated Z	2	
0163.BXMon	15	12:26	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0164.BXMon	180	12:26	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0165.COMP	12	12:30	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0166.Ori12	90	12:32	5:7:34.8	-2:43:57	300	90	3.0	#89 Ae/Be star	2	
0167.COMP	12	12:34	5:7:34.8	-2:43:57	300	90	3.0	#89 Ae/Be star	2	
0168.Ori13	7	12:35	5:7:34.8	2:28:8	300	90	3.0	#89 Ae/Be star	2	
0169.Ori13	7	12:35	5:7:34.8	2:28:8	300	90	3.0	#89 Ae/Be star	2	
0170.COMP	12	12:35	5:7:34.8	2:28:8	300	90	3.0	#89 Ae/Be star	2	
0171.Ori14	90	12:36	5:7:57.9	3:9:46	300	90	3.0	#89 Ae/Be star	2	
0172.COMP	12	12:39	5:7:57.9	3:9:46	300	90	3.0	#89 Ae/Be star	2	
0173.Hiltner600	60	12:40	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0174.COMP	12	12:42	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0175-0184.BIAS	0	12:46	06:42:37.2	02:11:25	300	90	3.0	#141 Mapping t	2	
0185-0194.FLAT	12	12:52	06:42:37.2	02:11:25	300	90	3.0	#141 Mapping t	2	
0195-0204.DARK	900	15:11	06:42:37.2	02:11:25	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
0001-0010.DARK	900	1:09	06:42:37.2	02:11:25	300	90	3.0	#141 Mapping t	4	
0011-0020.BIAS	0	1:35	06:42:37.2	02:11:25	300	90	3.0	#141 Mapping t	4	
0021-0030.FLAT	6	1:38	06:42:37.2	02:11:25	300	90	3.0	#141 Mapping t	4	
0031-0040.BIAS	0	1:41	06:42:37.2	02:11:25	300	90	3.0	#141 Mapping t	2	
0041-0050.FLAT	12	1:45	06:42:37.2	02:11:25	300	90	3.0	#141 Mapping t	2	
0051.BDp174708	60	1:54	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	through clouds...
0052.BDp174708	60	1:55	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	
0053.COMP	12	1:57	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	
0054.BDp332642	80	2:03	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	looking for holes...
0055.BDp332642	80	2:04	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0056.COMP	5	2:06	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0057.BDp332642	80	2:07	15:50:03.0	33:05:49	300	75	3.0	#56 Spectropho	2	
0058.BDp332642	80	2:08	15:50:03.0	33:05:49	300	75	3.0	#56 Spectropho	2	
0059.COMP	12	2:10	15:50:03.0	33:05:49	300	75	3.0	#56 Spectropho	2	
0060.BDp284211	80	2:33	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0061.COMP	12	2:35	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0062.BDp284211	80	2:36	21:48:57.1	28:37:48	300	104	3.0	#56 Spectropho	2	
0063.COMP	12	2:38	21:48:57.1	28:37:48	300	104	3.0	#56 Spectropho	2	
0064.BDp174708	90	3:00	22:11:31.4	18:05:34	300	-36	3.0	#56 Spectropho	2	
0065.COMP	12	3:02	22:11:31.4	18:05:34	300	-36	3.0	#56 Spectropho	2	

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0066.BDp174708	20	3:30	22:11:31.4	18:05:34	300	-44	3.0	#56 Spectropho	2	waiting for holes...
0067.BDp174708	20	3:31	22:11:31.4	18:05:34	300	-44	3.0	#56 Spectropho	2	
0068.COMP	12	3:32	22:11:31.4	18:05:34	300	-44	3.0	#56 Spectropho	2	
0069.sn2004et	420	3:36	20:35:25.4	60:07:17	300	-16	3.0	#2 SN Observat	2	
0070.COMP	12	3:44	20:35:25.4	60:07:17	300	-16	3.0	#2 SN Observat	2	
0071.sn2004ef	1500	3:48	22:42:10.0	+19:59:40	300	104	3.0	#2 SN Observat	2	
0072.COMP	12	4:13	22:42:10.0	+19:59:40	300	104	3.0	#2 SN Observat	2	
0073.BFCyg	2	4:17	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0074.BFCyg	70	4:17	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0075.BFCyg	45	4:19	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0076.COMP	12	4:20	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0077.CHCyg	10	4:22	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0078.CHCyg	60	4:23	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0079.CHCyg	37	4:24	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0080.COMP	12	4:26	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0081.CICyg	2	4:27	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0082.CICyg	20	4:27	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0083.CICyg	60	4:28	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0084.COMP	12	4:30	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0085.ZAnd	2	4:32	23:33:40	48:49:06	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
0086.ZAnd	10	4:32	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0087.ZAnd	60	4:32	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0088.COMP	12	4:34	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0089.RAqr	1	4:36	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0090.RAqr	70	4:37	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0091.RAqr	120	4:38	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0092.COMP	12	4:41	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0093.IRAS21202+6835	1200	5:15	21:20:59.2	68:48:28	300	90	3.0	#156 Cepheus P	2	
0094.COMP	12	5:36	21:20:59.2	68:48:28	300	90	3.0	#156 Cepheus P	2	
0095.K98-66	360	5:38	21:35:54.3	72:01:33	300	90	3.0	#156 Cepheus P	2	
0096.COMP	12	5:44	21:35:54.3	72:01:33	300	90	3.0	#156 Cepheus P	2	
0097.K98-70	300	5:46	21:39:36.1	69:36:05	300	90	3.0	#156 Cepheus P	2	clouds...
0098.COMP	12	5:52	21:39:36.1	69:36:05	300	90	3.0	#156 Cepheus P	2	
0099.K98-75	600	5:54	21:51:30.4	77:23:31	300	90	3.0	#156 Cepheus P	2	
0100.COMP	12	6:04	21:51:30.4	77:23:31	300	90	3.0	#156 Cepheus P	2	
0101.K98-78	720	6:06	21:57:54.9	76:16:48	300	90	3.0	#156 Cepheus P	2	
0102.COMP	12	6:18	21:57:54.9	76:16:48	300	90	3.0	#156 Cepheus P	2	
0103.BGCep	240	6:20	22:00:30.2	68:28:21	300	90	3.0	#156 Cepheus P	2	
0104.COMP	12	6:25	22:00:30.2	68:28:21	300	90	3.0	#156 Cepheus P	2	
0105.K98-82	420	6:26	22:00:15.4	73:23:25	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
0106.COMP	12	6:33	22:00:15.4	73:23:25	300	90	3.0	#156 Cepheus P	2	
0107.XS00789B6_010	900	6:36	22:35:33.9	+34:02:18	300	90	3.0	#129 CHAMP Sou	2	
0108.COMP	12	6:51	22:35:33.9	+34:02:18	300	90	3.0	#129 CHAMP Sou	2	
0109.XS02810B1_014	1200	6:58	23:59:41.7	62:31:27	300	90	3.0	#152 ChaMPlane	2	row=79
0110.COMP	12	7:19	23:59:41.7	62:31:27	300	90	3.0	#152 ChaMPlane	2	
0111.XS02810B2_015	540	7:20	23:58:20.4	62:22:20	300	90	3.0	#152 ChaMPlane	2	
0112.COMP	12	7:30	23:58:20.4	62:22:20	300	90	3.0	#152 ChaMPlane	2	
0113.XS02810B0_012	900	7:32	23:58:39.3	62:28:27	300	90	3.0	#152 ChaMPlane	2	row=81
0114.COMP	12	7:47	23:58:39.3	62:28:27	300	90	3.0	#152 ChaMPlane	2	
0115.XS02810B0_019	480	7:48	23:58:18.6	62:29:26	300	90	3.0	#152 ChaMPlane	2	
0116.COMP	12	7:57	23:58:18.6	62:29:26	300	90	3.0	#152 ChaMPlane	2	
0117.XS02810B1_003	1200	8:00	23:59:53.1	62:30:10	300	90	3.0	#152 ChaMPlane	2	row=79, clouds... get again?
0118.COMP	12	8:21	23:59:53.1	62:30:10	300	90	3.0	#152 ChaMPlane	2	
0119.sn2004dt	900	8:37	02:02:12.7	-00:05:51	300	0	3.0	#2 SN Observat	2	
0120.sn2004dt	900	8:52	02:02:12.7	-00:05:51	300	0	3.0	#2 SN Observat	2	
0121.COMP	12	9:08	02:02:12.7	-00:05:51	300	0	3.0	#2 SN Observat	2	
0122.hs3476	378	9:16	2:50:19.2	19:20:25	600	90	2.0	#122 Halo Star	4	600L, 2arcsec, tilt=440
0123.COMP	10	9:23	2:50:19.2	19:20:25	600	90	2.0	#122 Halo Star	4	
0124.hs3477	420	9:23	2:51:24.0	15:54:49	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	9:31	2:51:24.0	15:54:49	600	90	2.0	#122 Halo Star	4	

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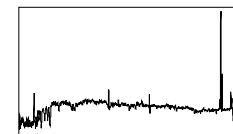
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0126.hs3478	516	9:32	2:51:54.1	17:10:31	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	9:41	2:51:54.1	17:10:31	600	90	2.0	#122 Halo Star	4	
0128.hs3479	180	9:41	2:53:26.3	15:18:18	600	90	2.0	#122 Halo Star	4	
0129.COMP	10	9:45	2:53:26.3	15:18:18	600	90	2.0	#122 Halo Star	4	
0130.hs3480	318	9:46	2:53:48.7	19:09:59	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	9:51	2:53:48.7	19:09:59	600	90	2.0	#122 Halo Star	4	
0132.hs3481	450	9:52	2:54:05.3	18:57:21	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	10:00	2:54:05.3	18:57:21	600	90	2.0	#122 Halo Star	4	
0134.hs3482	324	10:00	2:54:32.7	18:09:51	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	10:06	2:54:32.7	18:09:51	600	90	2.0	#122 Halo Star	4	
0136.hs3483	240	10:07	2:55:44.5	17:25:03	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	10:11	2:55:44.5	17:25:03	600	90	2.0	#122 Halo Star	4	
0138.hs3484	420	10:12	2:55:58.1	15:07:58	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	10:19	2:55:58.1	15:07:58	600	90	2.0	#122 Halo Star	4	
0140.hs3485	312	10:20	2:57:52.9	16:10:27	600	90	2.0	#122 Halo Star	4	
0141.COMP	12	10:26	2:57:52.9	16:10:27	600	90	2.0	#122 Halo Star	4	
0142.hs3486	288	10:27	3:00:09.0	15:04:06	600	90	2.0	#122 Halo Star	4	
0143.COMP	10	10:32	3:00:09.0	15:04:06	600	90	2.0	#122 Halo Star	4	
0144.hs3487	192	10:33	3:01:57.9	15:04:47	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	10:36	3:01:57.9	15:04:47	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
0146.hs3488	600	10:38	3:02:40.7	16:32:59	600	80	2.0	#122 Halo Star	4	
0147.COMP	10	10:48	3:02:40.7	16:32:59	600	80	2.0	#122 Halo Star	4	
0148.hs3489	270	10:49	3:08:35.1	15:29:48	600	90	2.0	#122 Halo Star	4	
0149.COMP	10	10:54	3:08:35.1	15:29:48	600	90	2.0	#122 Halo Star	4	
0150.Hiltner600	70	10:57	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	
0151.COMP	10	10:58	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	
0152-0161.FLAT	24	11:05	06:42:37.2	02:11:25	600	90	2.0	#2 SN Observat	4	
0162.Ori15	90	11:12	5:8:13.4	-1:32:17	300	90	3.0	#89 Ae/Be star	2	
0163.COMP	12	11:14	5:8:13.4	-1:32:17	300	90	3.0	#89 Ae/Be star	2	
0164.Ori16	5	11:15	5:8:54.3	-1:41:48	300	90	3.0	#89 Ae/Be star	2	
0165.COMP	12	11:16	5:8:54.3	-1:41:48	300	90	3.0	#89 Ae/Be star	2	
0166.Ori17	75	11:18	5:9:5.5	3:41:52	300	90	3.0	#89 Ae/Be star	2	
0167.COMP	12	11:20	5:9:5.5	3:41:52	300	90	3.0	#89 Ae/Be star	2	
0168.BGGem	300	11:22	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0169.COMP	12	11:27	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0170.BGGem	1200	11:28	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0171.COMP	12	11:49	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0172.Ori18	60	11:51	5:9:10.7	2:53:49	300	90	3.0	#89 Ae/Be star	2	
0173.COMP	12	11:52	5:9:10.7	2:53:49	300	90	3.0	#89 Ae/Be star	2	
0174.Ori19	20	11:54	5:9:19.2	-5:13:11	300	90	3.0	#89 Ae/Be star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0175.COMP	12	11:54	5:9:19.2	-5:13:11	300	90	3.0	#89 Ae/Be star	2	
0176.Ori20	70	11:56	5:9:24.1	3:25:7	300	90	3.0	#89 Ae/Be star	2	
0177.COMP	12	11:57	5:9:24.1	3:25:7	300	90	3.0	#89 Ae/Be star	2	
0178.Ori21	7	12:00	5:9:37.9	-5:33:10	300	90	3.0	#89 Ae/Be star	2	
0179.COMP	12	12:01	5:9:37.9	-5:33:10	300	90	3.0	#89 Ae/Be star	2	
0180.Ori22	80	12:02	5:9:49.0	3:21:25	300	90	3.0	#89 Ae/Be star	2	
0181.COMP	12	12:04	5:9:49.0	3:21:25	300	90	3.0	#89 Ae/Be star	2	
0182.Ori23	15	12:06	5:9:59.7	1:0:54	300	90	3.0	#89 Ae/Be star	2	
0183.COMP	12	12:10	5:9:59.7	1:0:54	300	90	3.0	#89 Ae/Be star	2	
0184.Ori24	5	12:11	5:10:38.5	1:22:1	300	90	3.0	#89 Ae/Be star	2	
0185.COMP	12	12:12	5:10:38.5	1:22:1	300	90	3.0	#89 Ae/Be star	2	
0186.Ori25	10	12:14	5:11:25.5	-5:40:56	300	90	3.0	#89 Ae/Be star	2	
0187.COMP	12	12:14	5:11:25.5	-5:40:56	300	90	3.0	#89 Ae/Be star	2	
0188.Ori26	10	12:16	5:12:40.8	4:46:57	300	90	3.0	#89 Ae/Be star	2	
0189.COMP	12	12:17	5:12:40.8	4:46:57	300	90	3.0	#89 Ae/Be star	2	
0190.Ori27	4	12:19	5:13:0.9	-0:5:31	300	90	3.0	#89 Ae/Be star	2	
0191.COMP	12	12:20	5:13:0.9	-0:5:31	300	90	3.0	#89 Ae/Be star	2	
0192.NGC1700	210	12:26	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0193.COMP	12	12:30	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0194.Hiltner600	60	12:32	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0195.COMP	12	12:33	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0196-0200.Sky	2	13:06	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0201.COMP	5	13:07	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0202-0211.BIAS	0	13:09	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0212-0221.FLAT	6	13:11	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0222-0231.BIAS	0	13:14	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	2	
0232-0241.FLAT	12	13:18	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	2	
0242-0251.DARK	900	15:37	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	1:44	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	4	
0011.BIAS	0	2:04	06:42:37.2	02:11:25	600	90	1.5	#57 Velocity S	4	600L, tilt=430, 1.5 arcsec
0012-0020.BIAS	0	2:05	06:42:37.2	02:11:25	600	90	1.5	#57 Velocity S	4	
0021-0030.FLAT	55	2:15	06:42:37.2	02:11:25	600	90	1.5	#57 Velocity S	4	
0031.BDp284211	90	2:19	21:48:57.1	28:37:48	600	90	1.5	#56 Spectropho	4	
0032.COMP	10	2:21	21:48:57.1	28:37:48	600	90	1.5	#56 Spectropho	4	
0033.obj7089_7-337	360	2:26	20:47:55.3	31:10:43	600	90	1.5	#155 Cygnus Sh	4	
0034.COMP	10	2:32	20:47:55.3	31:10:43	600	90	1.5	#155 Cygnus Sh	4	
0035.obj7074_1-441	300	2:33	20:55:04.8	32:34:31	600	90	1.5	#155 Cygnus Sh	4	
0036.COMP	10	2:38	20:55:04.8	32:34:31	600	90	1.5	#155 Cygnus Sh	4	
0037.obj7089_5-140	300	2:42	20:47:27.6	31:37:52	600	90	1.5	#155 Cygnus Sh	4	
0038.COMP	10	2:47	20:47:27.6	31:37:52	600	90	1.5	#155 Cygnus Sh	4	
0039.obj7083_1-738	360	2:48	20:55:51.9	31:43:27	600	90	1.5	#155 Cygnus Sh	4	
0040.COMP	10	2:55	20:55:51.9	31:43:27	600	90	1.5	#155 Cygnus Sh	4	
0041.obj7083_8-559	360	2:56	20:56:48.0	31:00:04	600	90	1.5	#155 Cygnus Sh	4	
0042.COMP	10	3:02	20:56:48.0	31:00:04	600	90	1.5	#155 Cygnus Sh	4	
0043.obj7092_6-452	300	3:03	20:56:44.9	30:26:52	600	90	1.5	#155 Cygnus Sh	4	
0044.COMP	10	3:09	20:56:44.9	30:26:52	600	90	1.5	#155 Cygnus Sh	4	
0045.obj7086_3-4077	300	3:10	20:50:28.0	31:08:12	600	90	1.5	#155 Cygnus Sh	4	
0046.COMP	10	3:15	20:50:28.0	31:08:12	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
0047.obj7086_8-322	300	3:16	20:52:12.2	31:00:23	600	90	1.5	#155 Cygnus Sh	4	
0048.COMP	10	3:21	20:52:12.2	31:00:23	600	90	1.5	#155 Cygnus Sh	4	
0049.obj7113_2-103	300	3:22	20:54:34.3	29:40:39	600	90	1.5	#155 Cygnus Sh	4	
0050.COMP	10	3:27	20:54:34.3	29:40:39	600	90	1.5	#155 Cygnus Sh	4	
0051.obj7074_3-2787	300	3:28	20:54:33.9	32:07:46	600	90	1.5	#155 Cygnus Sh	4	
0052.COMP	10	3:34	20:54:33.9	32:07:46	600	90	1.5	#155 Cygnus Sh	4	
0053.obj7113_3-3857	360	3:35	20:55:30.9	29:30:30	600	90	1.5	#155 Cygnus Sh	4	
0054.COMP	10	3:41	20:55:30.9	29:30:30	600	90	1.5	#155 Cygnus Sh	4	
0055.obj7074_1-353	300	3:42	20:54:50.9	32:39:11	600	90	1.5	#155 Cygnus Sh	4	
0056.COMP	10	3:48	20:54:50.9	32:39:11	600	90	1.5	#155 Cygnus Sh	4	
0057.obj7074_3-4650	300	3:49	20:55:10.1	32:10:13	600	90	1.5	#155 Cygnus Sh	4	
0058.COMP	10	3:55	20:55:10.1	32:10:13	600	90	1.5	#155 Cygnus Sh	4	
0059.obj7083_2-543	330	3:56	20:54:57.4	31:31:16	600	90	1.5	#155 Cygnus Sh	4	
0060.COMP	10	4:02	20:54:57.4	31:31:16	600	90	1.5	#155 Cygnus Sh	4	
0061.BIAS	0	4:10	20:54:57.4	31:31:16	300	90	3.0	#155 Cygnus Sh	2	combo setup
0062-0070.BIAS	0	4:12	20:54:57.4	31:31:16	300	90	3.0	#155 Cygnus Sh	2	
0071-0080.FLAT	12	4:17	20:54:57.4	31:31:16	300	90	3.0	#155 Cygnus Sh	2	
0081.BDp284211	60	4:19	21:48:57.1	28:37:48	300	31	3.0	#56 Spectropho	2	
0082.COMP	12	4:21	21:48:57.1	28:37:48	300	31	3.0	#56 Spectropho	2	
0083.BDp174708	7	4:22	22:11:31.4	18:05:34	300	-8	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0084.BDp174708	7	4:23	22:11:31.4	18:05:34	300	-8	3.0	#56 Spectropho	2	
0085.COMP	12	4:23	22:11:31.4	18:05:34	300	-8	3.0	#56 Spectropho	2	
0086.sn2004et	240	4:27	20:35:25.4	60:07:17	300	-38	3.0	#2 SN Observat	2	
0087.COMP	12	4:31	20:35:25.4	60:07:17	300	-38	3.0	#2 SN Observat	2	
0088.XS01626B8_001	900	4:37	21:37:43.2	-14:26:11	300	90	3.0	#129 CHAMP Sou	2	
0089.XS01626B8_001	900	4:52	21:37:43.2	-14:26:11	300	90	3.0	#129 CHAMP Sou	2	
0090.COMP	12	5:07	21:37:43.2	-14:26:11	300	90	3.0	#129 CHAMP Sou	2	
0091.XS00431B7_015	1200	5:10	22:40:50.9	+03:23:09	300	90	3.0	#129 CHAMP Sou	2	
0092.XS00431B7_015	1200	5:30	22:40:50.9	+03:23:09	300	90	3.0	#129 CHAMP Sou	2	
0093.COMP	12	5:50	22:40:50.9	+03:23:09	300	90	3.0	#129 CHAMP Sou	2	
0094.XS02810B1_015	900	5:58	23:59:38.1	62:33:03	300	90	3.0	#152 ChaMPlane	2	row=81
0095.COMP	12	6:14	23:59:38.1	62:33:03	300	90	3.0	#152 ChaMPlane	2	
0096.XS02810B2_002	480	6:15	23:58:46.6	62:25:00	300	90	3.0	#152 ChaMPlane	2	row=81
0097.COMP	12	6:24	23:58:46.6	62:25:00	300	90	3.0	#152 ChaMPlane	2	
0098.XS02810B2_006	360	6:27	23:58:51.7	62:27:25	300	90	3.0	#152 ChaMPlane	2	
0099.COMP	12	6:34	23:58:51.7	62:27:25	300	90	3.0	#152 ChaMPlane	2	
0100.XS02810B2_018	270	6:35	23:58:09.1	62:22:26	300	90	3.0	#152 ChaMPlane	2	
0101.COMP	12	6:40	23:58:09.1	62:22:26	300	90	3.0	#152 ChaMPlane	2	
0102.XS02810B3_002	900	6:41	23:59:16.2	62:24:29	300	90	3.0	#152 ChaMPlane	2	
0103.COMP	12	6:57	23:59:16.2	62:24:29	300	90	3.0	#152 ChaMPlane	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0104.XS02810B3_017	660	6:58	00:00:05.0	62:26:37	300	90	3.0	#152 ChaMPlane	2	
0105.COMP	12	7:10	00:00:05.0	62:26:37	300	90	3.0	#152 ChaMPlane	2	
0106.XS02810B3_026	900	7:54	23:59:40.6	62:21:08	300	90	3.0	#152 ChaMPlane	2	row=76
0107.COMP	12	8:10	23:59:40.6	62:21:08	300	90	3.0	#152 ChaMPlane	2	
0108.004948p14150.b	1050	8:14	0:52:26.8	14:32:39	300	90	3.0	#113 Interacti	2	faint emission?
0109.004948p14150.b	1050	8:32	0:52:26.8	14:32:39	300	90	3.0	#113 Interacti	2	too faint for a re-do
0110.COMP	12	8:50	0:52:26.8	14:32:39	300	90	3.0	#113 Interacti	2	
0111.sn2004dn	1350	8:56	02:35:37.3	+37:37:54	300	0	3.0	#2 SN Observat	2	row=80
0112.sn2004dn	1350	9:19	02:35:37.3	+37:37:54	300	0	3.0	#2 SN Observat	2	
0113.COMP	12	9:42	02:35:37.3	+37:37:54	300	0	3.0	#2 SN Observat	2	
0114.035124p15470.b	810	9:45	3:54:16.1	15:55:48	300	60	3.0	#113 Interacti	2	
0115.035124p15470.b	810	9:59	3:54:16.1	15:55:48	300	60	3.0	#113 Interacti	2	
0116.COMP	12	10:13	3:54:16.1	15:55:48	300	60	3.0	#113 Interacti	2	
0117.035518p18260.a	810	10:14	3:58:12.1	18:35:4	300	90	3.0	#113 Interacti	2	
0118.035518p18260.a	810	10:28	3:58:12.1	18:35:4	300	90	3.0	#113 Interacti	2	
0119.COMP	12	10:42	3:58:12.1	18:35:4	300	90	3.0	#113 Interacti	2	
0120.Ori28	30	10:44	5:13:26.4	-5:36:5	300	90	3.0	#89 Ae/Be star	2	
0121.COMP	12	10:45	5:13:26.4	-5:36:5	300	90	3.0	#89 Ae/Be star	2	
0122.Ori29	45	10:46	5:13:33.5	-0:2:43	300	90	3.0	#89 Ae/Be star	4	
0123.COMP	5	10:47	5:13:33.5	-0:2:43	300	90	3.0	#89 Ae/Be star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0124.Ori30	50	10:48	5:13:41.5	5:11:5	300	90	3.0	#89 Ae/Be star	4	
0125.COMP	5	10:49	5:13:41.5	5:11:5	300	90	3.0	#89 Ae/Be star	4	
0126.Ori31	50	10:52	5:14:10.3	1:37:48	300	90	3.0	#89 Ae/Be star	4	
0127.COMP	5	10:54	5:14:10.3	1:37:48	300	90	3.0	#89 Ae/Be star	4	
0128.Ori32	45	10:54	5:14:30.1	4:56:59	300	90	3.0	#89 Ae/Be star	4	
0129.COMP	5	10:56	5:14:30.1	4:56:59	300	90	3.0	#89 Ae/Be star	4	
0130.Ori33	50	10:56	5:15:3.7	4:17:7	300	90	3.0	#89 Ae/Be star	4	
0131.COMP	5	10:57	5:15:3.7	4:17:7	300	90	3.0	#89 Ae/Be star	4	
0132.Ori34	50	10:58	5:15:16.9	1:47:59	300	90	3.0	#89 Ae/Be star	4	
0133.COMP	5	11:00	5:15:16.9	1:47:59	300	90	3.0	#89 Ae/Be star	4	
0134.Ori35	50	11:03	5:15:55.5	-0:4:39	300	90	3.0	#89 Ae/Be star	4	
0135.COMP	5	11:04	5:15:55.5	-0:4:39	300	90	3.0	#89 Ae/Be star	4	
0136.Ori36	15	11:05	5:16:26.9	-2:41:43	300	90	3.0	#89 Ae/Be star	4	
0137.COMP	5	11:06	5:16:26.9	-2:41:43	300	90	3.0	#89 Ae/Be star	4	
0138.Ori37	50	11:06	5:17:58.1	0:29:18	300	90	3.0	#89 Ae/Be star	4	
0139.COMP	5	11:08	5:17:58.1	0:29:18	300	90	3.0	#89 Ae/Be star	4	
0140.Ori38	10	11:09	5:18:10.5	-3:30:46	300	90	3.0	#89 Ae/Be star	4	
0141.COMP	5	11:09	5:18:10.5	-3:30:46	300	90	3.0	#89 Ae/Be star	4	
0142.Ori39	25	11:10	5:18:36.7	0:6:20	300	90	3.0	#89 Ae/Be star	4	
0143.COMP	5	11:11	5:18:36.7	0:6:20	300	90	3.0	#89 Ae/Be star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0144.Ori40	7	11:11	5:19:33.2	-0:35:50	300	90	3.0	#89 Ae/Be star	4	
0145.COMP	5	11:12	5:19:33.2	-0:35:50	300	90	3.0	#89 Ae/Be star	4	
0146.Ori41	65	11:13	5:19:57.3	-1:34:59	300	90	3.0	#89 Ae/Be star	4	
0147.COMP	5	11:14	5:19:57.3	-1:34:59	300	90	3.0	#89 Ae/Be star	4	
0148.Ori42	40	11:15	5:20:12.4	3:9:10	300	90	3.0	#89 Ae/Be star	4	
0149.COMP	5	11:16	5:20:12.4	3:9:10	300	90	3.0	#89 Ae/Be star	4	
0150.Ori43	2	11:17	5:21:17.9	-5:48:41	300	90	3.0	#89 Ae/Be star	4	
0151.COMP	5	11:18	5:21:17.9	-5:48:41	300	90	3.0	#89 Ae/Be star	4	
0152.Ori44	1	11:19	5:21:58.2	-2:57:49	300	90	3.0	#89 Ae/Be star	4	
0153.Ori44	1	11:19	5:21:58.2	-2:57:49	300	90	3.0	#89 Ae/Be star	4	
0154.COMP	5	11:19	5:21:58.2	-2:57:49	300	90	3.0	#89 Ae/Be star	4	
0155.Ori45	40	11:20	5:22:32.0	3:31:51	300	90	3.0	#89 Ae/Be star	4	
0156.COMP	5	11:21	5:22:32.0	3:31:51	300	90	3.0	#89 Ae/Be star	4	
0157.Ori46	90	11:22	5:22:52.2	4:39:15	300	90	3.0	#89 Ae/Be star	4	
0158.COMP	5	11:24	5:22:52.2	4:39:15	300	90	3.0	#89 Ae/Be star	4	
0159.Ori47	40	11:25	5:23:33.2	-0:3:56	300	90	3.0	#89 Ae/Be star	4	
0160.COMP	5	11:26	5:23:33.2	-0:3:56	300	90	3.0	#89 Ae/Be star	4	
0161.Ori48	23	11:30	5:23:51.5	-1:23:10	300	100	3.0	#89 Ae/Be star	4	48 and 49 binary
0162.Ori49	15	11:32	5:23:51.7	-1:23:9	300	100	3.0	#89 Ae/Be star	4	
0163.COMP	5	11:32	5:23:51.7	-1:23:9	300	100	3.0	#89 Ae/Be star	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0164.Ori50	70	11:38	5:23:59.0	2:39:6	300	90	3.0	#89 Ae/Be star	4	
0165.COMP	5	11:39	5:23:59.0	2:39:6	300	90	3.0	#89 Ae/Be star	4	
0166.Ori51	40	11:41	5:24:9.8	1:48:39	300	90	3.0	#89 Ae/Be star	4	
0167.COMP	5	11:42	5:24:9.8	1:48:39	300	90	3.0	#89 Ae/Be star	4	
0168.Ori52	7	11:45	5:24:12.9	1:46:42	300	90	3.0	#89 Ae/Be star	4	
0169.COMP	5	11:45	5:24:12.9	1:46:42	300	90	3.0	#89 Ae/Be star	4	
0170.Ori53	20	11:46	5:24:20.7	1:35:26	300	90	3.0	#89 Ae/Be star	4	
0171.COMP	5	11:46	5:24:20.7	1:35:26	300	90	3.0	#89 Ae/Be star	4	
0172.Ori54	35	11:47	5:24:25.0	3:4:15	300	90	3.0	#89 Ae/Be star	4	
0173.COMP	5	11:48	5:24:25.0	3:4:15	300	90	3.0	#89 Ae/Be star	4	
0174.Ori55	1	11:49	5:25:3.5	1:11:8	300	90	3.0	#89 Ae/Be star	4	
0175.COMP	5	11:49	5:25:3.5	1:11:8	300	90	3.0	#89 Ae/Be star	4	
0176.Ori55	2	11:50	5:25:3.5	1:11:8	300	90	3.0	#89 Ae/Be star	4	
0177.COMP	5	11:50	5:25:3.5	1:11:8	300	90	3.0	#89 Ae/Be star	4	
0178.053900+18290	420	11:52	05:41:55.5	+18:29:30	300	90	3.0	#84f Updated Z	2	
0179.COMP	12	11:59	05:41:55.5	+18:29:30	300	90	3.0	#84f Updated Z	2	
0180.054636+17410	360	12:07	05:49:31.5	+17:41:12	300	60	3.0	#84f Updated Z	2	
0181.COMP	12	12:13	05:49:31.5	+17:41:12	300	60	3.0	#84f Updated Z	2	
0182.055148+15100	420	12:15	05:54:40.7	+15:10:14	300	90	3.0	#84f Updated Z	2	
0183.COMP	12	12:25	05:54:40.7	+15:10:14	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>
0184.Hiltner600	60	12:26	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0185.COMP	12	12:28	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0186.Hiltner600	60	12:28	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0187.COMP	5	12:30	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0188-0197.BIAS	0	12:37	06:42:37.2	02:11:25	300	90	3.0	#113 Interacti	4	
0198-0207.FLAT	6	12:47	06:42:37.2	02:11:25	300	90	3.0	#113 Interacti	4	
0208-0217.BIAS	0	12:50	06:42:37.2	02:11:25	300	90	3.0	#113 Interacti	2	
0218-0227.FLAT	12	12:54	06:42:37.2	02:11:25	300	90	3.0	#113 Interacti	2	
0228-0237.DARK	900	15:14	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
0001-0010.BIAS	0	1:03	15:51:22.2	71:45:11	1200	90	1.5	#148 Accretion	4	
0011-0020.BIAS	0	1:07	15:51:22.2	71:45:11	1200	90	1.5	#148 Accretion	2	
0021.testcomp	90	1:08	15:51:22.2	71:45:11	1200	90	1.5	#148 Accretion	2	
0022.FLAT	300	1:10	15:51:22.2	71:45:11	1200	90	1.5	#148 Accretion	2	1200-line, 1.5-sec slit, blue
0023-0031.FLAT	300	1:57	15:51:22.2	71:45:11	1200	90	1.5	#148 Accretion	2	
0032.BDp284211	240	2:07	21:48:57.1	28:37:48	1200	100	1.5	#148 Accretion	2	
0033.BDp284211	240	2:11	21:48:57.1	28:37:48	1200	100	1.5	#148 Accretion	2	
0034.COMP	60	2:15	21:48:57.1	28:37:48	1200	100	1.5	#148 Accretion	2	
0035.COMP	45	2:29	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0036.HXPeg	300	2:31	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0037.HXPeg	300	2:36	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0038.HXPeg	300	2:41	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0039.HXPeg	300	2:46	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0040.HXPeg	300	2:52	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0041.HXPeg	300	2:57	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0042.COMP	45	3:02	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0043.HXPeg	300	3:04	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0044.HXPeg	300	3:09	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0045.HXPeg	300	3:15	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0046.HXPeg	300	3:20	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0047.HXPeg	300	3:25	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0048.HXPeg	300	3:30	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0049.COMP	45	3:36	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0050.HXPeg	300	3:37	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0051.HXPeg	300	3:42	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0052.HXPeg	300	3:47	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0053.HXPeg	300	3:52	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0054.HXPeg	300	3:58	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0055.HXPeg	300	4:03	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0056.COMP	45	4:08	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0057.HXPeg	300	4:10	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0058.HXPeg	300	4:15	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0059.HXPeg	300	4:20	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0060.HXPeg	300	4:25	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0061.HXPeg	300	4:30	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0062.HXPeg	300	4:36	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0063.COMP	45	4:41	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0064.HXPeg	300	4:43	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0065.HXPeg	300	4:48	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0066.HXPeg	300	4:53	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0067.HXPeg	300	4:58	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0068.HXPeg	300	5:03	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0069.HXPeg	300	5:09	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0070.COMP	45	5:14	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0071.HXPeg	300	5:15	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0072.HXPeg	300	5:20	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0073.HXPeg	300	5:26	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0074.HXPeg	300	5:31	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0075.HXPeg	300	5:36	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0076.HXPeg	300	5:41	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0077.COMP	45	5:47	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0078.HXPeg	300	5:48	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0079.HXPeg	300	5:53	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0080.HXPeg	300	5:58	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0081.HXPeg	300	6:04	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0082.HXPeg	300	6:09	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0083.HXPeg	300	6:14	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0084.COMP	45	6:19	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0085.HXPeg	300	6:21	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0086.HXPeg	300	6:26	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0087.HXPeg	300	6:31	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0088.HXPeg	300	6:36	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0089.HXPeg	300	6:41	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0090.HXPeg	300	6:47	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0091.COMP	45	6:52	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0092.HXPeg	300	6:54	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0093.HXPeg	300	6:59	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0094.HXPeg	300	7:04	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0095.HXPeg	300	7:09	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0096.HXPeg	300	7:14	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0097.HXPeg	300	7:20	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0098.COMP	45	7:25	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0099.HXPeg	300	7:26	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0100.HXPeg	300	7:31	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0101.COMP	45	7:37	23:10:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0102.test	10	7:41	1:35:00	32:00:00	300	0	3.0	#148 Accretion	2	
0103.test	10	7:42	1:35:00	32:00:00	300	0	3.0	#148 Accretion	2	
0104.test	10	7:43	1:35:00	32:00:00	300	0	3.0	#148 Accretion	2	
0105.test	10	7:45	1:35:00	32:00:00	300	0	3.0	#148 Accretion	2	
0106.158m213	300	7:55	00:40:30.2	+40:50:55	300	0	3.0	#57 Velocity S	2	combo combo combo

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0107.COMP	10	8:01	00:40:30.2	+40:50:55	300	0	3.0	#57 Velocity S	2	
0108.XS00521B0_016	240	8:03	01:01:45.3	+31:53:59	300	0	3.0	#129 CHAMP Sou	2	
0109.COMP	10	8:07	01:01:45.3	+31:53:59	300	0	3.0	#129 CHAMP Sou	2	
0110.XS02129B7_027	1800	8:09	01:36:21.2	+20:56:47	300	0	3.0	#129 CHAMP Sou	2	
0111.COMP	10	8:40	01:36:21.2	+20:56:47	300	0	3.0	#129 CHAMP Sou	2	
0112.sn2004eu	1200	8:42	02:20:34.8	+41:34:18	300	-10	3.0	#2 SN Observat	2	
0113.COMP	10	9:02	02:20:34.8	+41:34:18	300	-10	3.0	#2 SN Observat	2	
0114.M33xrb	1200	9:04	01:33:41.6	30:32:20	300	90	3.0	#126 GRB	2	
0115.COMP	10	9:24	01:33:41.6	30:32:20	300	90	3.0	#126 GRB	2	
0116.400_05	480	9:27	03:00:40.1	+05:36:42	300	90	3.0	#64 Galaxy For	4	
0117.COMP	5	9:36	03:00:40.1	+05:36:42	300	90	3.0	#64 Galaxy For	4	
0118.400_06	330	9:36	03:01:06.8	+05:45:30	300	90	3.0	#64 Galaxy For	4	
0119.COMP	5	9:42	03:01:06.8	+05:45:30	300	90	3.0	#64 Galaxy For	4	
0120.400_09	1200	9:43	03:01:30.1	+05:49:53	300	90	3.0	#64 Galaxy For	4	
0121.COMP	5	10:04	03:01:30.1	+05:49:53	300	90	3.0	#64 Galaxy For	4	
0122.400_07	480	10:04	02:53:29.2	+05:45:36	300	90	3.0	#64 Galaxy For	4	
0123.COMP	5	10:13	02:53:29.2	+05:45:36	300	90	3.0	#64 Galaxy For	4	
0124.400_10	660	10:13	03:02:23.3	+05:51:45	300	90	3.0	#64 Galaxy For	4	
0125.COMP	5	10:24	03:02:23.3	+05:51:45	300	90	3.0	#64 Galaxy For	4	
0126.400_08	240	10:25	03:00:50.3	+05:46:57	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
0127.COMP	10	10:30	03:00:50.3	+05:46:57	300	90	3.0	#64 Galaxy For	2	
0128.400_11	720	10:30	02:53:04.8	+05:55:43	300	90	3.0	#64 Galaxy For	4	
0129.COMP	5	10:43	02:53:04.8	+05:55:43	300	90	3.0	#64 Galaxy For	4	
0130.400_12	420	10:43	02:59:42.7	+05:56:29	300	90	3.0	#64 Galaxy For	4	
0131.COMP	5	10:51	02:59:42.7	+05:56:29	300	90	3.0	#64 Galaxy For	4	
0132.400_13	900	10:51	02:53:55.9	+06:01:44	300	90	3.0	#64 Galaxy For	4	
0133.COMP	5	11:07	02:53:55.9	+06:01:44	300	90	3.0	#64 Galaxy For	4	
0134.400_14	720	11:07	03:02:05.8	+06:16:58	300	90	3.0	#64 Galaxy For	4	
0135.COMP	5	11:20	03:02:05.8	+06:16:58	300	90	3.0	#64 Galaxy For	4	
0136.G191B2B	90	11:22	05:01:31.5	52:45:52	300	10	3.0	#56 Spectropho	2	
0137.G191B2B	240	11:24	05:01:31.5	52:45:52	300	10	3.0	#56 Spectropho	2	
0138.COMP	10	11:29	05:01:31.5	52:45:52	300	10	3.0	#56 Spectropho	2	
0139.Akn120	300	11:31	05:13:38.0	-00:12:15	300	10	3.0	#6 AGN Monitor	4	
0140.COMP	5	11:36	05:13:38.0	-00:12:15	300	10	3.0	#6 AGN Monitor	4	
0141.Per19	10	11:40	3:38:54.2	43:8:11	300	90	3.0	#89 Ae/Be star	4	
0142.Per19	10	11:41	3:38:54.2	43:8:11	300	90	3.0	#89 Ae/Be star	4	
0143.COMP	5	11:41	3:38:54.2	43:8:11	300	90	3.0	#89 Ae/Be star	4	
0144.Per20	10	11:42	3:40:39.5	35:57:48	300	90	3.0	#89 Ae/Be star	4	
0145.Per20	10	11:42	3:40:39.5	35:57:48	300	90	3.0	#89 Ae/Be star	4	
0146.COMP	5	11:43	3:40:39.5	35:57:48	300	90	3.0	#89 Ae/Be star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0147.Per21	3	11:44	3:43:24.0	34:6:58	300	90	3.0	#89 Ae/Be star	4	
0148.Per21	3	11:44	3:43:24.0	34:6:58	300	90	3.0	#89 Ae/Be star	4	
0149.COMP	5	11:45	3:43:24.0	34:6:58	300	90	3.0	#89 Ae/Be star	4	
0150.Per22	30	11:46	3:43:47.1	41:45:29	300	90	3.0	#89 Ae/Be star	4	
0151.Per22	90	11:47	3:43:47.1	41:45:29	300	90	3.0	#89 Ae/Be star	4	
0152.COMP	5	11:49	3:43:47.1	41:45:29	300	90	3.0	#89 Ae/Be star	4	
0153.Per23	10	11:50	3:44:35.0	35:51:20	300	90	3.0	#89 Ae/Be star	4	
0154.Per23	10	11:50	3:44:35.0	35:51:20	300	90	3.0	#89 Ae/Be star	4	
0155.COMP	5	11:50	3:44:35.0	35:51:20	300	90	3.0	#89 Ae/Be star	4	
0156.Per24	12	11:51	3:45:5.9	29:37:37	300	90	3.0	#89 Ae/Be star	4	
0157.Per24	12	11:52	3:45:5.9	29:37:37	300	90	3.0	#89 Ae/Be star	4	
0158.COMP	5	11:52	3:45:5.9	29:37:37	300	90	3.0	#89 Ae/Be star	4	
0159.Per25	12	11:53	3:48:22.5	43:23:13	300	90	3.0	#89 Ae/Be star	4	
0160.Per25	12	11:53	3:48:22.5	43:23:13	300	90	3.0	#89 Ae/Be star	4	
0161.COMP	5	11:54	3:48:22.5	43:23:13	300	90	3.0	#89 Ae/Be star	4	
0162.Per26	20	11:55	3:49:3.3	37:23:56	300	90	3.0	#89 Ae/Be star	4	
0163.Per26	20	11:55	3:49:3.3	37:23:56	300	90	3.0	#89 Ae/Be star	4	
0164.COMP	5	11:56	3:49:3.3	37:23:56	300	90	3.0	#89 Ae/Be star	4	
0165.Per27	15	11:57	3:49:19.0	33:35:51	300	90	3.0	#89 Ae/Be star	4	
0166.Per27	15	11:57	3:49:19.0	33:35:51	300	90	3.0	#89 Ae/Be star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0167.COMP	5	11:58	3:49:19.0	33:35:51	300	90	3.0	#89 Ae/Be star	4	
0168.Per28	15	11:58	3:49:47.4	27:20:27	300	90	3.0	#89 Ae/Be star	4	
0169.Per28	15	11:59	3:49:47.4	27:20:27	300	90	3.0	#89 Ae/Be star	4	
0170.COMP	5	11:59	3:49:47.4	27:20:27	300	90	3.0	#89 Ae/Be star	4	
0171.Per29	20	12:00	3:52:24.7	34:27:48	300	90	3.0	#89 Ae/Be star	4	
0172.Per29	20	12:01	3:52:24.7	34:27:48	300	90	3.0	#89 Ae/Be star	4	
0173.COMP	5	12:01	3:52:24.7	34:27:48	300	90	3.0	#89 Ae/Be star	4	
0174.Per30	15	12:02	3:55:52.8	34:32:42	300	90	3.0	#89 Ae/Be star	4	
0175.Per30	15	12:03	3:55:52.8	34:32:42	300	90	3.0	#89 Ae/Be star	4	
0176.COMP	5	12:03	3:55:52.8	34:32:42	300	90	3.0	#89 Ae/Be star	4	
0177.Per31	15	12:04	3:57:38.9	28:5:56	300	90	3.0	#89 Ae/Be star	4	
0178.Per31	15	12:04	3:57:38.9	28:5:56	300	90	3.0	#89 Ae/Be star	4	
0179.COMP	5	12:05	3:57:38.9	28:5:56	300	90	3.0	#89 Ae/Be star	4	
0180.Hiltner600	45	12:07	06:42:37.2	02:11:25	300	-20	3.0	#56 Spectropho	2	
0181.Hiltner600	45	12:08	06:42:37.2	02:11:25	300	-20	3.0	#56 Spectropho	2	
0182.Hiltner600	45	12:09	06:42:37.2	02:11:25	300	-20	3.0	#56 Spectropho	2	
0183.COMP	10	12:10	06:42:37.2	02:11:25	300	-20	3.0	#56 Spectropho	2	
0184.Per33	15	12:13	4:3:10.3	28:35:26	300	90	3.0	#89 Ae/Be star	4	
0185.Per33	15	12:13	4:3:10.3	28:35:26	300	90	3.0	#89 Ae/Be star	4	
0186.COMP	5	12:14	4:3:10.3	28:35:26	300	90	3.0	#89 Ae/Be star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0187.Per34	60	12:16	4:8:22.5	34:54:2	300	90	3.0	#89 Ae/Be star	4	
0188.Per34	60	12:17	4:8:22.5	34:54:2	300	90	3.0	#89 Ae/Be star	4	
0189.COMP	5	12:18	4:8:22.5	34:54:2	300	90	3.0	#89 Ae/Be star	4	
0190.Per32	20	12:19	4:1:54.1	40:55:0	300	90	3.0	#89 Ae/Be star	4	
0191.Per32	20	12:19	4:1:54.1	40:55:0	300	90	3.0	#89 Ae/Be star	4	
0192.COMP	5	12:20	4:1:54.1	40:55:0	300	90	3.0	#89 Ae/Be star	4	
0193.Per35	10	12:21	4:12:36.4	42:7:6	300	90	3.0	#89 Ae/Be star	4	
0194.Per35	5	12:21	4:12:36.4	42:7:6	300	90	3.0	#89 Ae/Be star	4	
0195.Per35	5	12:21	4:12:36.4	42:7:6	300	90	3.0	#89 Ae/Be star	4	
0196.COMP	5	12:22	4:12:36.4	42:7:6	300	90	3.0	#89 Ae/Be star	4	
0197-0206.BIAS	0	12:26	4:12:36.4	42:7:6	300	90	3.0	#57 Velocity S	4	
0207-0216.FLAT	8	12:30	4:12:36.4	42:7:6	300	90	3.0	#57 Velocity S	4	
0217-0226.BIAS	0	12:32	4:12:36.4	42:7:6	300	90	3.0	#57 Velocity S	2	
0227-0236.FLAT	16	12:38	4:12:36.4	42:7:6	300	90	3.0	#57 Velocity S	2	
0237-0246.DARK	900	15:10	4:12:36.4	42:7:6	300	90	3.0	#57 Velocity S	4	
0247-0256.DARK	900	17:42	4:12:36.4	42:7:6	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.testcomp	60	22:47	15:51:22.2	71:45:11	1200	90	1.5	#148 Accretion	2	
0002-0010.BIAS	0	22:51	15:51:22.2	71:45:11	1200	90	1.5	#148 Accretion	2	
0011.FLAT	300	22:52	15:51:22.2	71:45:11	1200	90	1.5	#148 Accretion	2	1200-line, 1.5-sec slit
0012-0020.FLAT	300	23:39	15:51:22.2	71:45:11	1200	90	1.5	#148 Accretion	2	
0021-0030.BIAS	0	0:47	15:05:07.2	+55:57:18	300	90	3.0	#148 Accretion	4	
0031.FLAT	8	0:47	15:05:07.2	+55:57:18	300	90	3.0	#148 Accretion	4	combo
0032-0040.FLAT	8	0:50	15:05:07.2	+55:57:18	300	90	3.0	#148 Accretion	4	
0041-0050.BIAS	0	0:53	15:05:07.2	+55:57:18	300	90	3.0	#148 Accretion	2	
0051-0060.FLAT	16	0:58	15:05:07.2	+55:57:18	300	90	3.0	#148 Accretion	2	
0061-0065.sky	3	1:15	19:00:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0066.COMP	5	1:15	19:00:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0067.V443Her	5	1:40	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0068.V443Her	30	1:41	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0069.V443Her	75	1:42	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0070.COMP	5	1:44	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0071.YYHer	15	1:45	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0072.YYHer	8	1:45	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0073.YYHer	60	1:46	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0074.COMP	5	1:47	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0075.AGDra	2	1:49	16:01:41	66:48:10	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
0076.AGDra	15	1:49	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0077.AGDra	45	1:50	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0078.COMP	5	1:51	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0079.TCrB	15	1:52	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0080.TCrB	35	1:54	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0081.COMP	5	1:55	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0082.BDp284211	90	1:57	21:48:57.1	28:37:48	300	103	3.0	#56 Spectropho	2	
0083.BDp284211	90	1:59	21:48:57.1	28:37:48	300	103	3.0	#56 Spectropho	2	
0084.COMP	10	2:01	21:48:57.1	28:37:48	300	103	3.0	#56 Spectropho	2	
0085.BDp174708	45	2:02	22:11:31.4	18:05:34	300	103	3.0	#56 Spectropho	2	
0086.BDp174708	45	2:03	22:11:31.4	18:05:34	300	103	3.0	#56 Spectropho	2	
0087.COMP	10	2:04	22:11:31.4	18:05:34	300	103	3.0	#56 Spectropho	2	
0088.RSOph	10	2:06	17:50:13	-06:42:30	300	35	3.0	#12 Symbiotic	4	
0089.RSOph	60	2:07	17:50:13	-06:42:30	300	35	3.0	#12 Symbiotic	4	
0090.RSOph	60	2:08	17:50:13	-06:42:30	300	35	3.0	#12 Symbiotic	4	
0091.COMP	5	2:09	17:50:13	-06:42:30	300	35	3.0	#12 Symbiotic	4	
0092.sn2004dk	1500	2:11	16:21:48.9	-02:16:17	300	54	3.0	#2 SN Observat	2	
0093.COMP	10	2:36	16:21:48.9	-02:16:17	300	54	3.0	#2 SN Observat	2	
0094.J18410m0535	120	2:40	18:41:00.4	-05:35:46	300	35	3.0	#149 Black Hol	2	
0095.J18410m0535	600	2:42	18:41:00.4	-05:35:46	300	35	3.0	#149 Black Hol	2	

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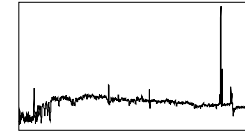
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0096.COMP	10	2:52	18:41:00.4	-05:35:46	300	35	3.0	#149 Black Hol	2	
0097.MRK509	150	2:56	20:44:09.8	-10:43:24	300	0	3.0	#6 AGN Monitor	4	
0098.MRK509	150	2:58	20:44:09.8	-10:43:24	300	0	3.0	#6 AGN Monitor	4	
0099.COMP	5	3:01	20:44:09.8	-10:43:24	300	0	3.0	#6 AGN Monitor	4	
0100.sn2004et	240	3:03	20:35:25.4	60:07:17	300	-10	3.0	#2 SN Observat	2	
0101.COMP	10	3:08	20:35:25.4	60:07:17	300	-10	3.0	#2 SN Observat	2	
0102.Akn564	210	3:25	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0103.Akn564	210	3:29	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0104.COMP	10	3:33	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0105.N7469	120	3:33	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0106.N7469	120	3:36	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0107.COMP	10	3:38	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0108.COMP	45	3:41	21:48:57.1	28:37:48	1200	90	1.5	#148 Accretion	2	
0109.COMP	45	3:46	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	1200-line, 1.5-sec slit
0110.HXPeg	300	3:48	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0111.HXPeg	300	3:53	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0112.HXPeg	300	3:58	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0113.HXPeg	300	4:04	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0114.HXPeg	300	4:09	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0115.HXPeg	300	4:14	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0116.COMP	45	4:19	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0117.HXPeg	300	4:21	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0118.HXPeg	300	4:26	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0119.HXPeg	300	4:31	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0120.HXPeg	300	4:36	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0121.HXPeg	300	4:41	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0122.HXPeg	300	4:47	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0123.COMP	45	4:52	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0124.HXPeg	300	4:54	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0125.HXPeg	300	4:59	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0126.HXPeg	300	5:04	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0127.HXPeg	300	5:09	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0128.HXPeg	300	5:14	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0129.HXPeg	300	5:20	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0130.COMP	45	5:25	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0131.HXPeg	300	5:26	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0132.HXPeg	300	5:31	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0133.HXPeg	300	5:37	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0134.HXPeg	300	5:42	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0135.HXPeg	300	5:47	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0136.HXPeg	300	5:52	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0137.COMP	45	5:58	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0138.HXPeg	300	5:59	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0139.HXPeg	300	6:04	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0140.HXPeg	300	6:09	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0141.HXPeg	300	6:14	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0142.HXPeg	300	6:20	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0143.HXPeg	300	6:25	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0144.COMP	45	6:30	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0145.HXPeg	300	6:31	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0146.HXPeg	300	6:37	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0147.HXPeg	300	6:42	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0148.HXPeg	300	6:47	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0149.HXPeg	300	6:52	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0150.HXPeg	300	6:57	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0151.COMP	45	7:04	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0152.HXPeg	300	7:05	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0153.HXPeg	300	7:10	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0154.HXPeg	300	7:15	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0155.HXPeg	300	7:20	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0156.HXPeg	300	7:26	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0157.HXPeg	300	7:31	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0158.COMP	45	7:36	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0159.HXPeg	300	7:37	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0160.HXPeg	300	7:43	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0161.HXPeg	300	7:48	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0162.HXPeg	300	7:53	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0163.HXPeg	300	7:58	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0164.HXPeg	300	8:03	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0165.COMP	45	8:09	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0166.HXPeg	300	8:10	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0167.HXPeg	300	8:15	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0168.HXPeg	300	8:20	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0169.HXPeg	300	8:26	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0170.HXPeg	300	8:31	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0171.HXPeg	300	8:36	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0172.COMP	45	8:41	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0173.HXPeg	300	8:43	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0174.HXPeg	300	8:48	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0175.COMP	45	8:53	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0176.testcomp	5	8:57	3:0:0	32:0:0	300	0	3.0	#148 Accretion	4	
0177.testcomp	5	8:58	3:0:0	32:0:0	300	0	3.0	#148 Accretion	4	
0178.testcomp	5	8:59	3:0:0	32:0:0	300	0	3.0	#148 Accretion	4	
0179.ZAnd	1	9:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	combo
0180.ZAnd	5	9:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0181.ZAnd	15	9:05	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0182.COMP	5	9:06	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0183.MRK335	180	9:07	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0184.MRK335	180	9:10	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0185.COMP	5	9:13	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0186.260_48	900	9:16	01:54:49.8	+33:38:41	300	90	3.0	#64 Galaxy For	2	
0187.COMP	10	9:31	01:54:49.8	+33:38:41	300	90	3.0	#64 Galaxy For	2	
0188.261_01	300	9:32	01:51:28.8	-02:49:14	300	90	3.0	#64 Galaxy For	4	
0189.COMP	5	9:38	01:51:28.8	-02:49:14	300	90	3.0	#64 Galaxy For	4	
0190.261_02E	240	9:39	01:51:07.7	-02:45:27	300	60	3.0	#64 Galaxy For	4	east gal of close pair
0191.261_02W	270	9:43	01:51:07.7	-02:45:27	300	60	3.0	#64 Galaxy For	4	west gal
0192.COMP	5	9:48	01:51:07.7	-02:45:27	300	60	3.0	#64 Galaxy For	4	
0193.261_04	240	9:48	01:51:27.1	-02:41:53	300	60	3.0	#64 Galaxy For	4	
0194.COMP	5	9:53	01:51:27.1	-02:41:53	300	60	3.0	#64 Galaxy For	4	
0195.261_03	1200	9:55	01:49:51.9	-02:41:57	300	90	3.0	#64 Galaxy For	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0196.COMP	5	10:15	01:49:51.9	-02:41:57	300	90	3.0	#64 Galaxy For	4	
0197.400_15	300	10:16	02:56:59.8	+06:32:01	300	90	3.0	#64 Galaxy For	4	
0198.COMP	5	10:21	02:56:59.8	+06:32:01	300	90	3.0	#64 Galaxy For	4	
0199.400_16	300	10:22	03:00:00.0	+06:46:27	300	90	3.0	#64 Galaxy For	4	
0200.COMP	5	10:27	03:00:00.0	+06:46:27	300	90	3.0	#64 Galaxy For	4	
0201.400_17	480	10:27	02:57:55.1	+06:50:52	300	90	3.0	#64 Galaxy For	4	
0202.COMP	5	10:36	02:57:55.1	+06:50:52	300	90	3.0	#64 Galaxy For	4	
0203.400_18	600	10:36	03:00:29.0	+06:56:28	300	90	3.0	#64 Galaxy For	4	
0204.COMP	5	10:46	03:00:29.0	+06:56:28	300	90	3.0	#64 Galaxy For	4	
0205.400_19	300	10:47	02:57:36.6	+07:06:16	300	90	3.0	#64 Galaxy For	4	
0206.COMP	5	10:52	02:57:36.6	+07:06:16	300	90	3.0	#64 Galaxy For	4	
0207.400_20	1200	10:53	02:57:10.2	+07:10:10	300	90	3.0	#64 Galaxy For	4	
0208.COMP	5	11:13	02:57:10.2	+07:10:10	300	90	3.0	#64 Galaxy For	4	
0209.400_21	600	11:14	02:56:29.0	+07:10:37	300	90	3.0	#64 Galaxy For	4	
0210.COMP	5	11:24	02:56:29.0	+07:10:37	300	90	3.0	#64 Galaxy For	4	
0211.484_06	720	11:25	04:15:44.3	-07:32:57	300	90	3.0	#64 Galaxy For	4	
0212.COMP	5	11:37	04:15:44.3	-07:32:57	300	90	3.0	#64 Galaxy For	4	
0213.484_07	900	11:38	04:15:44.4	-07:26:28	300	90	3.0	#64 Galaxy For	4	
0214.COMP	5	11:53	04:15:44.4	-07:26:28	300	90	3.0	#64 Galaxy For	4	
0215.484_10	720	11:54	04:14:24.2	-07:09:33	300	90	3.0	#64 Galaxy For	4	

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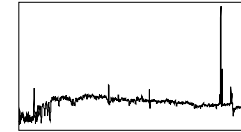
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0216.COMP	5	12:06	04:14:24.2	-07:09:33	300	90	3.0	#64 Galaxy For	4	
0217.Ori56	45	12:10	5:25:31.4	-0:21:9	300	0	3.0	#89 Ae/Be star	4	
0218.Ori56	40	12:11	5:25:31.4	-0:21:9	300	0	3.0	#89 Ae/Be star	4	
0219.COMP	5	12:12	5:25:31.4	-0:21:9	300	0	3.0	#89 Ae/Be star	4	
0220.Ori57	25	12:14	5:26:55.0	0:38:35	300	0	3.0	#89 Ae/Be star	4	
0221.Ori57	25	12:15	5:26:55.0	0:38:35	300	0	3.0	#89 Ae/Be star	4	
0222.Ori58	30	12:16	5:26:55.2	0:38:36	300	0	3.0	#89 Ae/Be star	4	
0223.Ori58	30	12:16	5:26:55.2	0:38:36	300	0	3.0	#89 Ae/Be star	4	
0224.COMP	5	12:17	5:26:55.2	0:38:36	300	0	3.0	#89 Ae/Be star	4	
0225.Ori59	90	12:18	5:27:31.5	-5:5:20	300	0	3.0	#89 Ae/Be star	4	
0226.COMP	5	12:20	5:27:31.5	-5:5:20	300	0	3.0	#89 Ae/Be star	4	
0227.Ori60	10	12:20	5:27:38.8	-5:15:21	300	0	3.0	#89 Ae/Be star	4	
0228.Ori60	10	12:21	5:27:38.8	-5:15:21	300	0	3.0	#89 Ae/Be star	4	
0229.COMP	5	12:21	5:27:38.8	-5:15:21	300	0	3.0	#89 Ae/Be star	4	
0230.Ori61	10	12:22	5:28:24.8	-0:42:8	300	0	3.0	#89 Ae/Be star	4	
0231.Ori61	10	12:23	5:28:24.8	-0:42:8	300	0	3.0	#89 Ae/Be star	4	
0232.COMP	5	12:23	5:28:24.8	-0:42:8	300	0	3.0	#89 Ae/Be star	4	
0233.Ori62	10	12:24	5:28:30.3	3:40:28	300	0	3.0	#89 Ae/Be star	4	
0234.Ori62	10	12:25	5:28:30.3	3:40:28	300	0	3.0	#89 Ae/Be star	4	
0235.COMP	5	12:25	5:28:30.3	3:40:28	300	0	3.0	#89 Ae/Be 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>Bir</i>	<i>Comments</i>
0236.Hiltner600	45	12:28	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	4	hi Susan!
0237.Hiltner600	45	12:29	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	4	
0238.COMP	5	12:30	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	4	
0239-0248.BIAS	0	12:34	6:15:00	25:00:00	300	90	3.0	#64 Galaxy For	4	
0249-0258.FLAT	8	12:37	6:15:00	25:00:00	300	90	3.0	#64 Galaxy For	4	
0259-0268.BIAS	0	12:39	6:15:00	25:00:00	300	90	3.0	#64 Galaxy For	2	
0269-0278.FLAT	16	12:45	6:15:00	25:00:00	300	90	3.0	#64 Galaxy For	2	
0279-0288.DARK	900	15:11	6:15:00	25:00:00	300	90	3.0	#64 Galaxy For	4	
0289-0298.DARK	900	17:43	6:15:00	25:00:00	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
0001-0010.DARK	900	23:27	6:15:00	25:00:00	300	90	3.0	#64 Galaxy For	4	
0011-0015.DARK	900	0:43	6:15:00	25:00:00	300	90	3.0	#64 Galaxy For	2	
0016-0025.BIAS	0	1:00	6:15:00	25:00:00	300	90	3.0	#64 Galaxy For	4	
0026-0035.FLAT	8	1:03	6:15:00	25:00:00	300	90	3.0	#64 Galaxy For	4	
0036-0045.BIAS	0	1:05	6:15:00	25:00:00	300	90	3.0	#64 Galaxy For	2	
0046-0055.FLAT	16	1:11	6:15:00	25:00:00	300	90	3.0	#64 Galaxy For	2	
0056-0060.sky	3	1:14	19:06:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0061.COMP	5	1:14	19:06:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0062.K98-88	540	2:05	22:09:31.8	72:58:26	300	90	3.0	#156 Cepheus P	4	
0063.COMP	5	2:14	22:09:31.8	72:58:26	300	90	3.0	#156 Cepheus P	4	
0064.K98-87	540	2:17	22:08:14.4	73:27:03	300	90	3.0	#156 Cepheus P	4	
0065.COMP	5	2:26	22:08:14.4	73:27:03	300	90	3.0	#156 Cepheus P	4	
0066.K98-91	90	2:27	22:12:31.5	69:56:25	300	90	3.0	#156 Cepheus P	4	
0067.COMP	5	2:29	22:12:31.5	69:56:25	300	90	3.0	#156 Cepheus P	4	
0068.K98-107	90	2:30	22:18:36.1	71:57:47	300	90	3.0	#156 Cepheus P	4	
0069.COMP	5	2:32	22:18:36.1	71:57:47	300	90	3.0	#156 Cepheus P	4	
0070.IRAS22129+6949	90	2:33	22:14:06.5	70:04:53	300	90	3.0	#156 Cepheus P	4	
0071.COMP	5	2:35	22:14:06.5	70:04:53	300	90	3.0	#156 Cepheus P	4	
0072.sn2004et	240	2:39	20:35:25.4	60:07:17	300	0	3.0	#2 SN Observat	2	
0073.COMP	10	2:43	20:35:25.4	60:07:17	300	0	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0074.IRAS22152+6947W	50	2:44	22:16:31.3	70:02:36	300	0	3.0	#156 Cepheus P	4	
0075.IRAS22152+6947E	60	2:46	22:16:31.3	70:02:36	300	0	3.0	#156 Cepheus P	4	
0076.COMP	5	2:47	22:16:31.3	70:02:36	300	0	3.0	#156 Cepheus P	4	
0077.K98-93	660	2:48	22:13:00.5	73:27:22	300	0	3.0	#156 Cepheus P	4	
0078.COMP	5	3:00	22:13:00.5	73:27:22	300	0	3.0	#156 Cepheus P	4	
0079.testcomp	5	3:02	21:00:00	32:00:00	300	0	3.0	#156 Cepheus P	4	ackkk wavelength setting drifting around
0080.testcomp	5	3:03	21:00:00	32:00:00	300	0	3.0	#156 Cepheus P	4	
0081.testcomp	5	3:04	21:00:00	32:00:00	300	0	3.0	#156 Cepheus P	4	
0082.testcomp	5	3:05	21:00:00	32:00:00	300	0	3.0	#156 Cepheus P	4	reset wavelength setting
0083.IRAS22181+7335	480	3:07	22:19:06.3	73:50:22	300	0	3.0	#156 Cepheus P	4	ok
0084.COMP	5	3:16	22:19:06.3	73:50:22	300	0	3.0	#156 Cepheus P	4	
0085.K98-106	480	3:17	22:18:28.1	72:16:44	300	0	3.0	#156 Cepheus P	4	
0086.COMP	5	3:25	22:18:28.1	72:16:44	300	0	3.0	#156 Cepheus P	4	
0087.K98-109	600	3:26	22:19:01.6	73:46:08	300	0	3.0	#156 Cepheus P	4	
0088.COMP	5	3:37	22:19:01.6	73:46:08	300	0	3.0	#156 Cepheus P	4	
0089.2M18593477+1906217	300	3:40	18:59:34.8	19:6:21	300	0	3.0	#141 Mapping t	4	
0090.COMP	5	3:46	18:59:34.8	19:6:21	300	0	3.0	#141 Mapping t	4	
0091.2M19044485-0336146	1800	3:48	19:4:44.8	-03:36:14	300	0	3.0	#141 Mapping t	2	
0092.COMP	10	4:18	19:4:44.8	-03:36:14	300	0	3.0	#141 Mapping t	2	
0093.K98-108	360	4:20	22:19:02.1	73:19:25	300	0	3.0	#156 Cepheus P	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0094.COMP	5	4:27	22:19:02.1	73:19:25	300	0	3.0	#156 Cepheus P	4	
0095.K98-111	120	4:28	22:19:24.2	70:32:05	300	0	3.0	#156 Cepheus P	4	
0096.COMP	5	4:30	22:19:24.2	70:32:05	300	0	3.0	#156 Cepheus P	4	
0097.IRAS22219+7908	120	4:31	22:22:03.3	79:23:20	300	0	3.0	#156 Cepheus P	4	
0098.COMP	5	4:34	22:22:03.3	79:23:20	300	0	3.0	#156 Cepheus P	4	
0099.K98-115	180	4:35	22:22:24.7	73:44:04	300	0	3.0	#156 Cepheus P	4	
0100.COMP	5	4:38	22:22:24.7	73:44:04	300	0	3.0	#156 Cepheus P	4	
0101.sn2004ef	1800	4:41	22:42:10.0	+19:59:40	300	0	3.0	#2 SN Observat	4	
0102.COMP	5	5:13	22:42:10.0	+19:59:40	300	0	3.0	#2 SN Observat	4	
0103.BDp284211	90	5:16	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0104.BDp284211	90	5:17	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0105.COMP	10	5:19	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0106.BDp174708	45	5:21	22:11:31.4	18:05:34	300	43	3.0	#56 Spectropho	2	
0107.BDp174708	45	5:22	22:11:31.4	18:05:34	300	43	3.0	#56 Spectropho	2	
0108.COMP	10	5:23	22:11:31.4	18:05:34	300	43	3.0	#56 Spectropho	2	
0109.K98-119N	600	5:26	22:26:56.5	71:18:01	300	90	3.0	#156 Cepheus P	4	
0110.K98-119S	900	5:36	22:26:56.5	71:18:01	300	90	3.0	#156 Cepheus P	4	
0111.COMP	5	5:51	22:26:56.5	71:18:01	300	90	3.0	#156 Cepheus P	4	
0112.IRAS22424+7450	300	5:53	22:43:38.8	75:06:25	300	90	3.0	#156 Cepheus P	4	
0113.COMP	5	5:58	22:43:38.8	75:06:25	300	90	3.0	#156 Cepheus P	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0114.IRAS22480+7533	90	5:59	22:49:17.3	75:49:36	300	90	3.0	#156 Cepheus P	4	
0115.COMP	5	6:01	22:49:17.3	75:49:36	300	90	3.0	#156 Cepheus P	4	
0116.K98-135	720	6:02	23:12:22.0	74:53:23	300	90	3.0	#156 Cepheus P	4	finishes project
0117.COMP	5	6:14	23:12:22.0	74:53:23	300	90	3.0	#156 Cepheus P	4	
0118.RAqr	0	6:16	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	4	
0119.RAqr	2	6:17	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	4	
0120.RAqr	2	6:17	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	4	
0121.COMP	5	6:18	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	4	
0122.XS02223B6_001	1200	6:21	01:56:37.5	+05:33:01	300	90	3.0	#129 CHAMP Sou	2	
0123.COMP	10	6:42	01:56:37.5	+05:33:01	300	90	3.0	#129 CHAMP Sou	2	
0124.261_05	600	6:44	01:52:01.4	-02:25:54	300	90	3.0	#64 Galaxy For	4	
0125.COMP	5	6:54	01:52:01.4	-02:25:54	300	90	3.0	#64 Galaxy For	4	
0126.261_06	720	6:55	01:53:47.1	-02:22:57	300	90	3.0	#64 Galaxy For	4	
0127.COMP	5	7:07	01:53:47.1	-02:22:57	300	90	3.0	#64 Galaxy For	4	
0128.261_07	720	7:08	01:51:46.0	-02:13:56	300	90	3.0	#64 Galaxy For	4	
0129.COMP	5	7:20	01:51:46.0	-02:13:56	300	90	3.0	#64 Galaxy For	4	
0130.261_08	600	7:21	01:52:01.3	-02:10:48	300	90	3.0	#64 Galaxy For	4	
0131.COMP	5	7:31	01:52:01.3	-02:10:48	300	90	3.0	#64 Galaxy For	4	
0132.261_09	600	7:31	01:49:47.9	-02:05:19	300	90	3.0	#64 Galaxy For	4	
0133.COMP	5	7:42	01:49:47.9	-02:05:19	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
0134.261_10	720	7:42	01:49:30.8	-01:55:20	300	90	3.0	#64 Galaxy For	4	
0135.COMP	5	7:55	01:49:30.8	-01:55:20	300	90	3.0	#64 Galaxy For	4	
0136.2M00475430+6807433	1800	7:58	0:47:54.3	+68:7:43	300	90	3.0	#141 Mapping t	2	oh boy
0137.COMP	10	8:28	0:47:54.3	+68:7:43	300	90	3.0	#141 Mapping t	2	
0138.XS01628B3_004	1200	8:31	04:13:58.1	+05:34:20	300	90	3.0	#129 CHAMP Sou	2	
0139.COMP	10	8:51	04:13:58.1	+05:34:20	300	90	3.0	#129 CHAMP Sou	2	
0140.XS00421B7_016	180	8:52	04:14:42.4	+05:30:57	300	90	3.0	#129 CHAMP Sou	2	
0141.COMP	10	8:55	04:14:42.4	+05:30:57	300	90	3.0	#129 CHAMP Sou	2	
0142.XS00418B6_001S	720	8:57	04:14:48.2	+05:30:58	300	60	3.0	#129 CHAMP Sou	2	
0143.XS00418B6_001N	720	9:10	04:14:48.2	+05:30:58	300	60	3.0	#129 CHAMP Sou	2	finishes project
0144.COMP	10	9:22	04:14:48.2	+05:30:58	300	60	3.0	#129 CHAMP Sou	2	
0145.484_08	900	9:25	04:18:34.8	-07:17:51	300	90	3.0	#64 Galaxy For	4	
0146.COMP	5	9:40	04:18:34.8	-07:17:51	300	90	3.0	#64 Galaxy For	4	
0147.484_09	720	9:40	04:18:35.7	-07:10:54	300	90	3.0	#64 Galaxy For	4	finishes project
0148.COMP	5	9:53	04:18:35.7	-07:10:54	300	90	3.0	#64 Galaxy For	4	
0149.2M03331908+6609092	1800	9:56	3:33:19.0	+66:9:09	300	90	3.0	#141 Mapping t	2	
0150.COMP	10	10:26	3:33:19.0	+66:9:09	300	90	3.0	#141 Mapping t	2	
0151.2M03351760+4401160	600	10:27	3:35:17.6	+44:1:16	300	90	3.0	#141 Mapping t	2	
0152.COMP	10	10:37	3:35:17.6	+44:1:16	300	90	3.0	#141 Mapping t	2	
0153.2M03460109+4201053	600	10:38	3:46:1.0	+42:1:05	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
0154.COMP	10	10:48	3:46:1.0	+42:1:05	300	90	3.0	#141 Mapping t	2	
0155.2M04115755+3838463	1800	10:49	4:11:57.5	+38:38:46	300	90	3.0	#141 Mapping t	2	ugh
0156.COMP	10	11:20	4:11:57.5	+38:38:46	300	90	3.0	#141 Mapping t	2	
0157.2M04373506+5414339	600	11:24	4:37:35.0	+54:14:33	300	90	3.0	#141 Mapping t	2	
0158.COMP	10	11:34	4:37:35.0	+54:14:33	300	90	3.0	#141 Mapping t	2	
0159.2M04374087+5415389	1200	11:35	4:37:40.8	+54:15:38	300	90	3.0	#141 Mapping t	2	
0160.COMP	10	11:55	4:37:40.8	+54:15:38	300	90	3.0	#141 Mapping t	2	
0161.Ori63	15	11:59	5:28:46.0	-5:21:49	300	0	3.0	#89 Ae/Be star	4	
0162.Ori63	15	11:59	5:28:46.0	-5:21:49	300	0	3.0	#89 Ae/Be star	4	
0163.COMP	5	12:00	5:28:46.0	-5:21:49	300	0	3.0	#89 Ae/Be star	4	
0164.Ori64	15	12:01	5:29:18.6	1:10:55	300	0	3.0	#89 Ae/Be star	4	
0165.Ori64	15	12:01	5:29:18.6	1:10:55	300	0	3.0	#89 Ae/Be star	4	
0166.COMP	5	12:02	5:29:18.6	1:10:55	300	0	3.0	#89 Ae/Be star	4	
0167.Ori65	120	12:02	5:29:19.5	-1:3:44	300	0	3.0	#89 Ae/Be star	4	
0168.COMP	5	12:05	5:29:19.5	-1:3:44	300	0	3.0	#89 Ae/Be star	4	
0169.Ori66	15	12:05	5:29:58.4	3:33:43	300	0	3.0	#89 Ae/Be star	4	
0170.Ori66	15	12:06	5:29:58.4	3:33:43	300	0	3.0	#89 Ae/Be star	4	
0171.COMP	5	12:06	5:29:58.4	3:33:43	300	0	3.0	#89 Ae/Be star	4	
0172.Ori67	45	12:09	5:30:21.3	-0:25:13	300	0	3.0	#89 Ae/Be star	4	
0173.Ori67	45	12:09	5:30:21.3	-0:25:13	300	0	3.0	#89 Ae/Be star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0174.COMP	5	12:10	5:30:21.3	-0:25:13	300	0	3.0	#89 Ae/Be star	4	
0175.Ori68	5	12:11	5:30:21.9	-3:17:57	300	0	3.0	#89 Ae/Be star	4	
0176.Ori68	5	12:11	5:30:21.9	-3:17:57	300	0	3.0	#89 Ae/Be star	4	
0177.COMP	5	12:12	5:30:21.9	-3:17:57	300	0	3.0	#89 Ae/Be star	4	
0178.Ori69	20	12:12	5:30:32.0	3:43:43	300	0	3.0	#89 Ae/Be star	4	
0179.Ori69	20	12:13	5:30:32.0	3:43:43	300	0	3.0	#89 Ae/Be star	4	
0180.COMP	5	12:14	5:30:32.0	3:43:43	300	0	3.0	#89 Ae/Be star	4	
0181.Ori70	10	12:14	5:30:54.6	4:25:12	300	0	3.0	#89 Ae/Be star	4	
0182.Ori70	10	12:15	5:30:54.6	4:25:12	300	0	3.0	#89 Ae/Be star	4	
0183.COMP	5	12:15	5:30:54.6	4:25:12	300	0	3.0	#89 Ae/Be star	4	
0184.Ori71	15	12:16	5:30:55.9	-2:41:56	300	0	3.0	#89 Ae/Be star	4	
0185.Ori71	15	12:16	5:30:55.9	-2:41:56	300	0	3.0	#89 Ae/Be star	4	
0186.COMP	5	12:17	5:30:55.9	-2:41:56	300	0	3.0	#89 Ae/Be star	4	
0187.Ori72	10	12:17	5:31:20.7	-1:58:52	300	0	3.0	#89 Ae/Be star	4	
0188.Ori72	10	12:18	5:31:20.7	-1:58:52	300	0	3.0	#89 Ae/Be star	4	
0189.COMP	5	12:18	5:31:20.7	-1:58:52	300	0	3.0	#89 Ae/Be star	4	
0190.Ori73	10	12:19	5:32:3.9	-0:25:44	300	0	3.0	#89 Ae/Be star	4	
0191.Ori73	10	12:19	5:32:3.9	-0:25:44	300	0	3.0	#89 Ae/Be star	4	
0192.COMP	5	12:20	5:32:3.9	-0:25:44	300	0	3.0	#89 Ae/Be star	4	
0193.Ori74	6	12:20	5:32:13.0	-1:36:1	300	0	3.0	#89 Ae/Be star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0194.Ori74	6	12:20	5:32:13.0	-1:36:1	300	0	3.0	#89 Ae/Be star	4	
0195.COMP	5	12:21	5:32:13.0	-1:36:1	300	0	3.0	#89 Ae/Be star	4	
0196.Ori75	10	12:21	5:33:15.4	-1:43:12	300	0	3.0	#89 Ae/Be star	4	
0197.Ori75	10	12:22	5:33:15.4	-1:43:12	300	0	3.0	#89 Ae/Be star	4	
0198.COMP	5	12:22	5:33:15.4	-1:43:12	300	0	3.0	#89 Ae/Be star	4	
0199.Ori76	6	12:22	5:34:0.4	-1:45:16	300	0	3.0	#89 Ae/Be star	4	
0200.Ori76	6	12:23	5:34:0.4	-1:45:16	300	0	3.0	#89 Ae/Be star	4	
0201.COMP	5	12:23	5:34:0.4	-1:45:16	300	0	3.0	#89 Ae/Be star	4	
0202.Ori77	4	12:24	5:34:2.2	-0:28:34	300	0	3.0	#89 Ae/Be star	4	
0203.Ori77	4	12:24	5:34:2.2	-0:28:34	300	0	3.0	#89 Ae/Be star	4	
0204.COMP	5	12:24	5:34:2.2	-0:28:34	300	0	3.0	#89 Ae/Be star	4	
0205.Ori78	4	12:25	5:34:9.7	-1:54:6	300	0	3.0	#89 Ae/Be star	4	
0206.Ori78	4	12:25	5:34:9.7	-1:54:6	300	0	3.0	#89 Ae/Be star	4	
0207.COMP	5	12:26	5:34:9.7	-1:54:6	300	0	3.0	#89 Ae/Be star	4	
0208.Ori79	6	12:26	5:34:26.2	-4:22:16	300	0	3.0	#89 Ae/Be star	4	
0209.Ori79	6	12:26	5:34:26.2	-4:22:16	300	0	3.0	#89 Ae/Be star	4	
0210.COMP	5	12:27	5:34:26.2	-4:22:16	300	0	3.0	#89 Ae/Be star	4	
0211.Ori80	4	12:27	5:34:32.4	-4:29:14	300	0	3.0	#89 Ae/Be star	4	
0212.Ori80	4	12:28	5:34:32.4	-4:29:14	300	0	3.0	#89 Ae/Be star	4	
0213.COMP	5	12:28	5:34:32.4	-4:29:14	300	0	3.0	#89 Ae/Be 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>Bir</i>	<i>Comments</i>
0214.Hiltner600	45	12:29	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	4	
0215.Hiltner600	45	12:30	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	4	
0216.COMP	5	12:31	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	4	
0217-0226.BIAS	0	12:35	6:0:0	20:0:0	300	90	3.0	#129 CHAMP Sou	4	
0227-0236.FLAT	8	12:38	6:0:0	20:0:0	300	90	3.0	#129 CHAMP Sou	4	
0237-0246.BIAS	0	12:40	6:0:0	20:0:0	300	90	3.0	#129 CHAMP Sou	2	
0247-0256.FLAT	16	12:46	6:0:0	20:0:0	300	90	3.0	#129 CHAMP Sou	2	
0257.testcomp	45	12:50	6:0:0	20:0:0	1200	90	1.5	#129 CHAMP Sou	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	21:21	6:0:0	20:0:0	1200	90	1.5	#129 CHAMP Sou	2	
0011-0020.FLAT	300	22:13	6:0:0	20:0:0	1200	90	1.5	#148 Accretion	2	
0021.DARK	900	0:42	18:53:01.3	+31:29:23	1200	90	1.5	#148 Accretion	2	
0022.DARK	900	0:57	19:08:16.7	+31:29:17	1200	90	1.5	#148 Accretion	2	
0023.DARK	900	1:12	19:23:31.6	+31:29:11	1200	90	1.5	#148 Accretion	2	
0024.DARK	900	1:28	19:38:46.8	+31:29:05	1200	90	1.5	#148 Accretion	2	
0025.DARK	900	1:43	19:54:01.7	+31:28:59	1200	90	1.5	#148 Accretion	2	
0026.DARK	900	1:58	20:09:16.6	+31:28:54	1200	90	1.5	#148 Accretion	2	
0027.DARK	900	2:13	20:24:28.4	+31:28:49	1200	90	1.5	#148 Accretion	2	
0028.BDp284211	100	2:32	21:48:57.1	28:37:48	1200	104	1.5	#56 Spectropho	2	
0029.BDp284211	100	2:34	21:48:57.1	28:37:48	1200	104	1.5	#56 Spectropho	2	
0030.COMP	45	2:36	21:48:57.1	28:37:48	1200	104	1.5	#56 Spectropho	2	
0031.HXPeg	300	2:40	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0032.HXPeg	300	2:46	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0033.HXPeg	300	2:51	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0034.HXPeg	300	2:56	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0035.HXPeg	300	3:01	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0036.COMP	45	3:07	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0037.HXPeg	300	3:08	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0038.HXPeg	300	3:13	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0039.HXPeg	300	3:18	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0040.HXPeg	300	3:24	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0041.HXPeg	300	3:29	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0042.COMP	45	3:34	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0043.HXPeg	300	3:35	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	clouds...
0044.HXPeg	300	3:41	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0045.HXPeg	300	3:46	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0046.HXPeg	300	3:51	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0047.HXPeg	300	3:56	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0048.HXPeg	300	4:01	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0049.COMP	45	4:09	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0050.HXPeg	300	4:10	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0051.HXPeg	300	4:15	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	more clouds...
0052.HXPeg	300	4:20	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0053.HXPeg	300	4:25	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0054.HXPeg	300	4:30	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0055.COMP	45	4:36	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0056.HXPeg	300	4:37	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0057.HXPeg	300	4:43	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0058.HXPeg	300	4:48	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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0059.HXPeg	300	4:53	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0060.HXPeg	300	4:58	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0061.COMP	45	5:04	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0062.HXPeg	300	5:05	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0063.HXPeg	300	5:10	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0064.HXPeg	300	5:16	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0065.HXPeg	300	5:21	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0066.HXPeg	300	5:26	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0067.COMP	45	5:32	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0068.HXPeg	300	5:33	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0069.HXPeg	300	5:38	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0070.HXPeg	300	5:43	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0071.HXPeg	300	5:48	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0072.HXPeg	300	5:54	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0073.COMP	45	5:59	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0074.HXPeg	300	6:00	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0075.HXPeg	300	6:06	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0076.HXPeg	300	6:11	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0077.HXPeg	300	6:16	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0078.HXPeg	300	6:21	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0079.COMP	45	6:27	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0080.HXPeg	300	6:28	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0081.HXPeg	300	6:33	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0082.HXPeg	300	6:38	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0083.HXPeg	300	6:44	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0084.HXPeg	300	6:49	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0085.COMP	45	6:54	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0086.HXPeg	300	6:56	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0087.HXPeg	300	7:01	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0088.HXPeg	300	7:06	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0089.HXPeg	300	7:12	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0090.HXPeg	300	7:17	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0091.COMP	45	7:22	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0092.HXPeg	300	7:23	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0093.HXPeg	300	7:29	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0094.HXPeg	300	7:34	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0095.HXPeg	300	7:39	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0096.HXPeg	300	7:44	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0097.COMP	45	7:50	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0098.HXPeg	300	7:51	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0099.HXPeg	300	7:56	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0100.HXPeg	300	8:01	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0101.HXPeg	300	8:07	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0102.HXPeg	300	8:12	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0103.COMP	45	8:17	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0104.sn2004dt	1200	8:35	02:02:12.7	-00:05:51	300	11	3.0	#2 SN Observat	2	combo setup
0105.COMP	12	8:56	02:02:12.7	-00:05:51	300	11	3.0	#2 SN Observat	2	
0106.sn2004eu	1800	9:00	02:20:34.8	+41:34:18	300	-37	3.0	#2 SN Observat	2	
0107.COMP	12	9:31	02:20:34.8	+41:34:18	300	-37	3.0	#2 SN Observat	2	wait out some clouds...
0108.Ori81	30	11:22	5:34:48.7	5:31:20	300	90	3.0	#89 Ae/Be star	2	
0109.COMP	12	11:23	5:34:48.7	5:31:20	300	90	3.0	#89 Ae/Be star	2	
0110.Ori82	100	11:24	5:34:52.3	1:2:27	300	90	3.0	#89 Ae/Be star	2	
0111.COMP	12	11:26	5:34:52.3	1:2:27	300	90	3.0	#89 Ae/Be star	2	
0112.Ori83	20	11:27	5:34:52.2	2:7:6	300	90	3.0	#89 Ae/Be star	2	
0113.COMP	12	11:28	5:34:52.2	2:7:6	300	90	3.0	#89 Ae/Be star	2	
0114.Ori84	5	11:29	5:34:59.0	-4:21:15	300	90	3.0	#89 Ae/Be star	2	
0115.COMP	12	11:30	5:34:59.0	-4:21:15	300	90	3.0	#89 Ae/Be star	2	
0116.Ori85	7	11:31	5:35:0.2	-0:48:56	300	90	3.0	#89 Ae/Be star	2	
0117.COMP	12	11:32	5:35:0.2	-0:48:56	300	90	3.0	#89 Ae/Be star	2	
0118.Ori86	4	11:32	5:35:4.7	-4:43:54	300	90	3.0	#89 Ae/Be star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0119.COMP	12	11:33	5:35:4.7	-4:43:54	300	90	3.0	#89 Ae/Be star	2	
0120.Ori87	5	11:34	5:35:6.2	-5:12:15	300	90	3.0	#89 Ae/Be star	2	
0121.COMP	12	11:34	5:35:6.2	-5:12:15	300	90	3.0	#89 Ae/Be star	2	
0122.Ori88	7	11:35	5:35:11.0	-5:55:36	300	90	3.0	#89 Ae/Be star	2	
0123.COMP	12	11:36	5:35:11.0	-5:55:36	300	90	3.0	#89 Ae/Be star	2	
0124.063036+12050	1200	11:38	06:33:27.1	+12:03:31	300	90	3.0	#84f Updated Z	2	clouds, get one more time...row=77
0125.COMP	12	11:59	06:33:27.1	+12:03:31	300	90	3.0	#84f Updated Z	2	
0126.063036+12050	1200	12:00	06:33:27.1	+12:03:31	300	90	3.0	#84f Updated Z	2	
0127.COMP	12	12:21	06:33:27.1	+12:03:31	300	90	3.0	#84f Updated Z	2	
0128.Hiltner600	60	12:34	06:42:37.2	02:11:25	300	-7	3.0	#56 Spectropho	2	
0129.Hiltner600	60	12:35	06:42:37.2	02:11:25	300	-7	3.0	#56 Spectropho	2	
0130.COMP	12	12:36	06:42:37.2	02:11:25	300	-7	3.0	#56 Spectropho	2	
0131-0140.BIAS	0	12:44	06:42:37.2	02:11:25	300	90	3.0	#2 SN Observat	4	
0141-0150.FLAT	6	12:46	06:42:37.2	02:11:25	300	90	3.0	#2 SN Observat	4	
0151-0160.BIAS	0	12:49	06:42:37.2	02:11:25	300	90	3.0	#2 SN Observat	2	
0161-0170.FLAT	12	12:53	06:42:37.2	02:11:25	300	90	3.0	#2 SN Observat	2	
0171-0180.DARK	900	15:11	06:42:37.2	02:11:25	300	90	3.0	#2 SN Observat	2	

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

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

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

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

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

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

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

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0008.DARK	900	0:47	06:42:37.2	02:11:25	300	90	3.0	#89 Ae/Be star	2	
0009.FLAT	300	1:29	19:37:56.9	+31:29:05	1200	90	1.5	#89 Ae/Be star	2	1200L, 1.5 arcsec, tilt=224
0010.FLAT	300	1:34	19:43:09.0	+31:29:03	1200	90	1.5	#89 Ae/Be star	2	
0011.FLAT	300	1:39	06:21:38.8	+31:29:56	1200	90	1.5	#89 Ae/Be star	2	
0012.FLAT	300	1:44	19:53:36.0	+31:29:00	1200	90	1.5	#89 Ae/Be star	2	
0013.FLAT	300	1:50	19:58:49.6	+31:28:58	1200	90	1.5	#89 Ae/Be star	2	
0014.FLAT	300	1:55	20:04:02.3	+31:28:56	1200	90	1.5	#89 Ae/Be star	2	
0015.FLAT	300	2:00	20:09:14.8	+31:28:54	1200	90	1.5	#89 Ae/Be star	2	
0016.FLAT	300	2:05	20:14:27.4	+31:28:52	1200	90	1.5	#89 Ae/Be star	2	
0017.FLAT	300	2:11	20:19:39.9	+31:28:50	1200	90	1.5	#89 Ae/Be star	2	
0018.FLAT	300	2:16	20:24:56.0	+31:28:49	1200	90	1.5	#89 Ae/Be star	2	
0019-0024.BIAS	0	2:24	20:28:02.8	+31:28:48	1200	90	1.5	#89 Ae/Be star	2	
0025-0028.BIAS	0	2:25	20:28:51.3	+31:28:47	1200	90	1.5	#89 Ae/Be star	2	
0029.BDp284211	90	2:32	21:48:57.1	28:37:48	1200	104	1.5	#56 Spectropho	2	
0030.BDp284211	90	2:34	21:48:57.1	28:37:48	1200	104	1.5	#56 Spectropho	2	
0031.COMP	45	2:37	21:48:57.1	28:37:48	1200	104	1.5	#56 Spectropho	2	
0032.HXPeg	300	2:43	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0033.HXPeg	300	2:48	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0034.HXPeg	300	2:53	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0035.HXPeg	300	2:58	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0036.HXPeg	300	3:04	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0037.COMP	45	3:10	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0038.HXPeg	300	3:12	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0039.HXPeg	300	3:17	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0040.HXPeg	300	3:22	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0041.HXPeg	300	3:27	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0042.HXPeg	300	3:32	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0043.COMP	45	3:40	23:40:26.3	+12:38:01	1200	0	1.5	#148 Accretion	2	
0044.HXPeg	300	3:41	23:40:26.3	+12:37:58	1200	0	1.5	#148 Accretion	2	
0045.HXPeg	300	3:47	23:40:26.2	+12:37:57	1200	0	1.5	#148 Accretion	2	
0046.HXPeg	300	3:52	23:40:26.2	+12:37:56	1200	0	1.5	#148 Accretion	2	
0047.HXPeg	300	3:57	23:40:26.2	+12:37:55	1200	0	1.5	#148 Accretion	2	
0048.HXPeg	300	4:02	23:40:26.1	+12:37:54	1200	0	1.5	#148 Accretion	2	
0049.COMP	45	4:08	23:40:26.1	+12:37:53	1200	0	1.5	#148 Accretion	2	
0050.HXPeg	300	4:09	23:40:26.0	+12:37:52	1200	0	1.5	#148 Accretion	2	
0051.HXPeg	300	4:14	23:40:26.0	+12:37:53	1200	0	1.5	#148 Accretion	2	
0052.HXPeg	300	4:19	23:40:26.0	+12:37:51	1200	0	1.5	#148 Accretion	2	
0053.HXPeg	300	4:25	23:40:25.9	+12:37:51	1200	0	1.5	#148 Accretion	2	
0054.HXPeg	300	4:30	23:40:25.8	+12:37:50	1200	0	1.5	#148 Accretion	2	
0055.COMP	45	4:35	23:40:25.8	+12:37:50	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0056.HXPeg	300	4:37	23:40:25.7	+12:37:51	1200	0	1.5	#148 Accretion	2	
0057.HXPeg	300	4:42	23:40:25.6	+12:37:50	1200	0	1.5	#148 Accretion	2	
0058.HXPeg	300	4:47	23:40:25.6	+12:37:49	1200	0	1.5	#148 Accretion	2	
0059.HXPeg	300	4:52	23:40:25.5	+12:37:49	1200	0	1.5	#148 Accretion	2	
0060.HXPeg	300	4:57	23:40:25.5	+12:37:48	1200	0	1.5	#148 Accretion	2	
0061.COMP	45	5:03	23:40:25.4	+12:37:48	1200	0	1.5	#148 Accretion	2	
0062.HXPeg	300	5:04	23:40:25.3	+12:37:48	1200	0	1.5	#148 Accretion	2	
0063.HXPeg	300	5:09	23:40:25.2	+12:37:47	1200	0	1.5	#148 Accretion	2	
0064.HXPeg	300	5:14	23:40:25.1	+12:37:47	1200	0	1.5	#148 Accretion	2	
0065.HXPeg	300	5:20	23:40:25.0	+12:37:47	1200	0	1.5	#148 Accretion	2	
0066.HXPeg	300	5:25	23:40:24.9	+12:37:46	1200	0	1.5	#148 Accretion	2	
0067.COMP	45	5:31	23:40:24.8	+12:37:46	1200	0	1.5	#148 Accretion	2	
0068.HXPeg	300	5:33	23:40:24.7	+12:37:46	1200	0	1.5	#148 Accretion	2	
0069.HXPeg	300	5:40	23:40:24.6	+12:37:45	1200	0	1.5	#148 Accretion	2	
0070.HXPeg	300	5:45	23:40:24.5	+12:37:45	1200	0	1.5	#148 Accretion	2	
0071.HXPeg	300	5:54	23:40:24.2	+12:38:14	1200	0	1.5	#148 Accretion	2	
0072.HXPeg	300	5:59	23:40:24.1	+12:38:14	1200	0	1.5	#148 Accretion	2	
0073.COMP	45	6:06	23:40:24.2	+12:38:14	1200	0	1.5	#148 Accretion	2	
0074.HXPeg	300	6:07	23:40:24.0	+12:38:14	1200	0	1.5	#148 Accretion	2	
0075.HXPeg	300	6:12	23:40:23.9	+12:38:14	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0076.HXPeg	300	6:17	23:40:23.8	+12:38:14	1200	0	1.5	#148 Accretion	2	
0077.HXPeg	300	6:23	23:40:23.8	+12:38:15	1200	0	1.5	#148 Accretion	2	
0078.HXPeg	300	6:28	23:40:23.7	+12:38:15	1200	0	1.5	#148 Accretion	2	
0079.COMP	45	6:34	23:40:23.7	+12:38:15	1200	0	1.5	#148 Accretion	2	
0080.HXPeg	300	6:35	23:40:23.6	+12:38:14	1200	0	1.5	#148 Accretion	2	
0081.HXPeg	300	6:40	23:40:23.5	+12:38:14	1200	0	1.5	#148 Accretion	2	
0082.HXPeg	300	6:45	23:40:23.4	+12:38:15	1200	0	1.5	#148 Accretion	2	
0083.HXPeg	300	6:50	23:40:23.3	+12:38:15	1200	0	1.5	#148 Accretion	2	
0084.HXPeg	300	6:56	23:40:23.2	+12:38:16	1200	0	1.5	#148 Accretion	2	
0085.COMP	45	7:01	23:40:23.2	+12:38:16	1200	0	1.5	#148 Accretion	2	
0086.HXPeg	300	7:02	23:40:23.2	+12:38:17	1200	0	1.5	#148 Accretion	2	
0087.HXPeg	300	7:08	23:40:23.1	+12:38:18	1200	0	1.5	#148 Accretion	2	
0088.HXPeg	300	7:13	23:40:23.2	+12:38:19	1200	0	1.5	#148 Accretion	2	
0089.HXPeg	300	7:18	23:40:23.1	+12:38:20	1200	0	1.5	#148 Accretion	2	
0090.HXPeg	300	7:23	23:40:23.0	+12:38:21	1200	0	1.5	#148 Accretion	2	
0091.COMP	45	7:31	23:40:23.1	+12:38:21	1200	0	1.5	#148 Accretion	2	
0092.HXPeg	300	7:33	23:40:23.1	+12:38:22	1200	0	1.5	#148 Accretion	2	
0093.HXPeg	300	7:38	23:40:23.0	+12:38:23	1200	0	1.5	#148 Accretion	2	
0094.HXPeg	300	7:43	23:40:23.1	+12:38:24	1200	0	1.5	#148 Accretion	2	
0095.HXPeg	300	7:48	23:40:23.0	+12:38:25	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0096.HXPeg	300	7:53	23:40:22.9	+12:38:26	1200	0	1.5	#148 Accretion	2	
0097.COMP	45	7:59	23:40:22.9	+12:38:26	1200	0	1.5	#148 Accretion	2	
0098.sn2004dt	1200	8:26	02:02:12.7	-00:05:51	300	10	3.0	#2 SN Observat	2	combo setup
0099.COMP	12	8:47	02:02:12.7	-00:05:51	300	10	3.0	#2 SN Observat	2	
0100.sn2004eu	1200	8:53	02:20:34.8	+41:34:18	300	-36	3.0	#2 SN Observat	2	
0101.sn2004eu	1200	9:13	02:20:34.8	+41:34:18	300	-36	3.0	#2 SN Observat	2	
0102.COMP	12	9:34	02:20:34.8	+41:34:18	300	-36	3.0	#2 SN Observat	2	
0103.045042p07030_a	720	9:44	4:53:26.7	7:8:16	300	90	3.0	#113 Interacti	2	
0104.COMP	12	9:57	4:53:26.7	7:8:16	300	90	3.0	#113 Interacti	2	
0105.NGC1700	180	9:58	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0106.COMP	12	10:02	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0107.045042p07030_b	1500	10:07	4:53:26.5	7:11:18	300	90	3.0	#113 Interacti	2	
0108.COMP	12	10:33	4:53:26.5	7:11:18	300	90	3.0	#113 Interacti	2	
0109.050524p17180_a	1200	10:35	5:8:19.7	17:21:47	300	90	3.0	#113 Interacti	2	
0110.COMP	12	10:56	5:8:19.7	17:21:47	300	90	3.0	#113 Interacti	2	
0111.2M04352485+5421529	1500	11:03	4:35:24.8	+54:21:52	300	80	3.0	#141 Mapping t	2	row=78
0112.COMP	12	11:29	4:35:24.8	+54:21:52	300	80	3.0	#141 Mapping t	2	
0113.2M04443470+5252243	1320	11:33	4:44:34.7	+52:52:24	300	110	3.0	#141 Mapping t	2	got it?
0114.COMP	12	11:56	4:44:34.7	+52:52:24	300	110	3.0	#141 Mapping t	2	
0115.HD52071	2	12:03	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
0116.HD52071	2	12:03	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0117.COMP	12	12:04	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0118.HD52071	2	12:05	06:57:51	+27:13:42	300	0	3.0	#57 Velocity S	2	
0119.HD52071	2	12:06	06:57:51	+27:13:42	300	0	3.0	#57 Velocity S	2	
0120.COMP	12	12:06	06:57:51	+27:13:42	300	0	3.0	#57 Velocity S	2	
0121.G191B2B	60	12:11	05:01:31.5	52:45:52	300	-37	3.0	#56 Spectropho	2	
0122.G191B2B	60	12:12	05:01:31.5	52:45:52	300	-37	3.0	#56 Spectropho	2	
0123.COMP	12	12:13	05:01:31.5	52:45:52	300	-37	3.0	#56 Spectropho	2	
0124.Hiltner600	45	12:20	06:42:37.2	02:11:25	300	-9	3.0	#56 Spectropho	2	
0125.Hiltner600	45	12:22	06:42:37.2	02:11:25	300	-9	3.0	#56 Spectropho	2	
0126.COMP	12	12:23	06:42:37.2	02:11:25	300	-9	3.0	#56 Spectropho	2	
0127.Ori101	5	12:26	5:38:8.0	-1:45:7	300	90	3.0	#89 Ae/Be star	2	
0128.COMP	12	12:27	5:38:8.0	-1:45:7	300	90	3.0	#89 Ae/Be star	2	
0129.Ori102	6	12:28	5:38:18.8	-3:33:18	300	90	3.0	#89 Ae/Be star	2	
0130.COMP	12	12:28	5:38:18.8	-3:33:18	300	90	3.0	#89 Ae/Be star	2	
0131.Ori103	5	12:29	5:39:15.0	-2:31:37	300	90	3.0	#89 Ae/Be star	2	
0132.COMP	12	12:30	5:39:15.0	-2:31:37	300	90	3.0	#89 Ae/Be star	2	
0133.Ori104	6	12:31	5:40:3.3	-1:42:46	300	90	3.0	#89 Ae/Be star	2	
0134.COMP	12	12:31	5:40:3.3	-1:42:46	300	90	3.0	#89 Ae/Be star	2	
0135.Ori105	20	12:32	5:41:11.2	1:41:46	300	90	3.0	#89 Ae/Be 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>Bir</i>	<i>Comments</i>
0136.COMP	12	12:33	5:41:11.2	1:41:46	300	90	3.0	#89 Ae/Be star	2	
0137.Ori106	22	12:34	5:42:15.5	3:39:50	300	90	3.0	#89 Ae/Be star	2	
0138.COMP	12	12:35	5:42:15.5	3:39:50	300	90	3.0	#89 Ae/Be star	2	
0139-0148.BIAS	0	12:45	5:42:15.5	3:39:50	300	90	3.0	#89 Ae/Be star	2	
0149-0158.FLAT	12	12:51	5:42:15.5	3:39:50	300	90	3.0	#89 Ae/Be star	2	
0159-0168.BIAS	0	12:53	5:42:15.5	3:39:50	300	90	3.0	#89 Ae/Be star	4	
0169-0178.FLAT	6	12:55	5:42:15.5	3:39:50	300	90	3.0	#89 Ae/Be star	4	
0179-0188.DARK	900	15:14	5:42:15.5	3:39:50	300	90	3.0	#89 Ae/Be star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	0:39	5:42:15.5	3:39:50	600	90	1.5	#89 Ae/Be star	4	
0011-0020.BIAS	0	1:00	5:42:15.5	3:39:50	600	90	1.5	#89 Ae/Be star	4	
0021-0031.FLAT	55	1:11	5:42:15.5	3:39:50	600	90	1.5	#89 Ae/Be star	4	
0032.BDp284211	90	2:00	21:48:57.1	28:37:48	600	90	1.5	#56 Spectropho	4	
0033.BDp284211	120	2:03	21:48:57.1	28:37:48	600	90	1.5	#56 Spectropho	4	
0034.obj7095_3-5853	180	2:09	20:51:01.3	30:15:17	600	90	1.5	#155 Cygnus Sh	4	
0035.obj7095_3-5853	180	2:12	20:51:01.3	30:15:17	600	90	1.5	#155 Cygnus Sh	4	
0036.obj7074_6-686	240	2:17	20:57:35.5	32:26:45	600	90	1.5	#155 Cygnus Sh	4	
0037.obj7074_6-686	240	2:21	20:57:35.5	32:26:45	600	90	1.5	#155 Cygnus Sh	4	
0038.obj7080_6-570	240	2:27	20:48:49.4	32:21:40	600	90	1.5	#155 Cygnus Sh	4	
0039.obj7080_6-570	240	2:31	20:48:49.4	32:21:40	600	90	1.5	#155 Cygnus Sh	4	
0040.obj7083_1-719	300	2:38	20:55:48.8	31:48:00	600	90	1.5	#155 Cygnus Sh	4	
0041.obj7083_1-719	300	2:43	20:55:48.8	31:48:00	600	90	1.5	#155 Cygnus Sh	4	
0042.COMP	10	2:49	20:55:48.8	31:48:00	600	90	1.5	#155 Cygnus Sh	4	
0043.obj7098_3-5883	330	2:51	20:46:37.5	30:23:13	600	90	1.5	#155 Cygnus Sh	4	
0044.obj7098_3-5883	330	2:57	20:46:37.5	30:23:13	600	90	1.5	#155 Cygnus Sh	4	
0045.obj7086_6-565	330	3:04	20:53:04.7	31:22:51	600	90	1.5	#155 Cygnus Sh	4	
0046.obj7086_6-565	330	3:09	20:53:04.7	31:22:51	600	90	1.5	#155 Cygnus Sh	4	
0047.obj7074_6-218	330	3:16	20:56:23.8	32:26:47	600	90	1.5	#155 Cygnus Sh	4	
0048.obj7074_6-218	330	3:22	20:56:23.8	32:26:47	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
0049.obj7077_8-498	330	3:29	20:52:08.4	31:56:19	600	90	1.5	#155 Cygnus Sh	4	
0050.obj7077_8-498	330	3:35	20:52:08.4	31:56:19	600	90	1.5	#155 Cygnus Sh	4	
0051.obj7089_6-487	330	3:41	20:48:07.2	31:28:50	600	90	1.5	#155 Cygnus Sh	4	
0052.obj7089_6-487	330	3:47	20:48:07.2	31:28:50	600	90	1.5	#155 Cygnus Sh	4	
0053.obj7098_4-4965	360	3:55	20:46:59.5	29:56:31	600	90	1.5	#155 Cygnus Sh	4	
0054.obj7098_4-4965	360	4:01	20:46:59.5	29:56:31	600	90	1.5	#155 Cygnus Sh	4	
0055.COMP	10	4:07	20:46:59.5	29:56:31	600	90	1.5	#155 Cygnus Sh	4	
0056.obj7113_1-130	360	4:09	20:54:55.5	29:56:31	600	90	1.5	#155 Cygnus Sh	4	
0057.obj7113_1-130	360	4:15	20:54:55.5	29:56:31	600	90	1.5	#155 Cygnus Sh	4	
0058.obj7077_1-297	360	4:21	20:50:02.6	32:35:24	600	90	1.5	#155 Cygnus Sh	4	
0059.obj7077_1-297	360	4:28	20:50:02.6	32:35:24	600	90	1.5	#155 Cygnus Sh	4	
0060.obj7098_4-3468	360	4:36	20:46:27.3	30:04:30	600	90	1.5	#155 Cygnus Sh	4	
0061.obj7098_4-3468	360	4:42	20:46:27.3	30:04:30	600	90	1.5	#155 Cygnus Sh	4	
0062.obj7086_2-435	360	4:49	20:50:18.7	31:25:15	600	90	1.5	#155 Cygnus Sh	4	
0063.obj7086_2-435	360	5:12	20:50:18.7	31:25:15	600	90	1.5	#155 Cygnus Sh	4	
0064.COMP	10	5:19	20:50:18.7	31:25:15	600	90	1.5	#155 Cygnus Sh	4	
0065.COMP	12	5:37	20:50:18.7	31:25:15	300	90	3.0	#155 Cygnus Sh	2	7383 at pix 2655
0066.sn2004et	240	5:55	20:35:25.4	60:07:17	300	105	3.0	#2 SN Observat	2	
0067.sn2004et	240	5:59	20:35:25.4	60:07:17	300	105	3.0	#2 SN Observat	2	
0068.COMP	12	6:04	20:35:25.4	60:07:17	300	105	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0069.sn2004eu	1200	6:13	02:20:34.8	+41:34:18	300	75	3.0	#2 SN Observat	2	
0070.sn2004eu	1200	6:33	02:20:34.8	+41:34:18	300	75	3.0	#2 SN Observat	2	
0071.COMP	12	6:55	02:20:34.8	+41:34:18	300	75	3.0	#2 SN Observat	2	
0072-0081.FLAT	12	7:04	02:20:34.8	+41:34:18	300	75	3.0	#155 Cygnus Sh	2	
0082.hs3247	300	7:33	1:28:59.3	13:30:14	600	90	2.0	#122 Halo Star	4	
0083.COMP	10	7:39	1:28:59.3	13:30:14	600	90	2.0	#122 Halo Star	4	
0084.hs3248	660	7:42	1:29:41.3	5:44:22	600	90	2.0	#122 Halo Star	4	
0085.COMP	10	7:54	1:29:41.3	5:44:22	600	90	2.0	#122 Halo Star	4	
0086.hs3249	360	7:57	1:29:41.6	13:31:42	600	90	2.0	#122 Halo Star	4	
0087.COMP	10	8:05	1:29:41.6	13:31:42	600	90	2.0	#122 Halo Star	4	
0088.hs3250	300	8:07	1:32:43.4	6:13:18	600	90	2.0	#122 Halo Star	4	seeing much improved
0089.COMP	10	8:13	1:32:43.4	6:13:18	600	90	2.0	#122 Halo Star	4	
0090.hs3251	480	8:15	1:33:40.5	9:57:31	600	90	2.0	#122 Halo Star	4	
0091.COMP	10	8:24	1:33:40.5	9:57:31	600	90	2.0	#122 Halo Star	4	
0092.hs3253	260	8:27	1:35:41.2	6:53:08	600	90	2.0	#122 Halo Star	4	
0093.COMP	10	8:32	1:35:41.2	6:53:08	600	90	2.0	#122 Halo Star	4	
0094.hs3252	275	8:34	1:35:19.3	9:11:18	600	90	2.0	#122 Halo Star	4	
0095.COMP	10	8:39	1:35:19.3	9:11:18	600	90	2.0	#122 Halo Star	4	
0096.hs3254	240	8:41	1:37:59.1	14:38:32	600	90	2.0	#122 Halo Star	4	
0097.COMP	10	8:46	1:37:59.1	14:38:32	600	90	2.0	#122 Halo Star	4	

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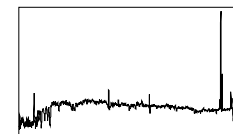
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0098.hs3255	330	8:49	1:40:08.1	12:53:47	600	90	2.0	#122 Halo Star	4	
0099.COMP	10	8:55	1:40:08.1	12:53:47	600	90	2.0	#122 Halo Star	4	
0100.hs3256	330	8:58	1:41:03.6	5:36:53	600	90	2.0	#122 Halo Star	4	
0101.COMP	10	9:04	1:41:03.6	5:36:53	600	90	2.0	#122 Halo Star	4	
0102.hs3257	420	9:06	1:41:04.4	10:04:28	600	90	2.0	#122 Halo Star	4	
0103.COMP	10	9:13	1:41:04.4	10:04:28	600	90	2.0	#122 Halo Star	4	
0104.hs3258	260	9:16	1:41:06.4	5:20:57	600	90	2.0	#122 Halo Star	4	
0105.COMP	10	9:21	1:41:06.4	5:20:57	600	90	2.0	#122 Halo Star	4	
0106.hs3259	340	9:22	1:42:31.9	8:21:05	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	9:28	1:42:31.9	8:21:05	600	90	2.0	#122 Halo Star	4	
0108.hs3260	460	9:31	1:44:48.5	14:55:35	600	90	2.0	#122 Halo Star	4	
0109.COMP	10	9:40	1:44:48.5	14:55:35	600	90	2.0	#122 Halo Star	4	
0110.hs3261	240	9:42	1:45:41.8	6:57:43	600	90	2.0	#122 Halo Star	4	
0111.COMP	10	9:46	1:45:41.8	6:57:43	600	90	2.0	#122 Halo Star	4	
0112.hs3262	180	9:48	1:46:07.1	10:58:56	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	9:52	1:46:07.1	10:58:56	600	90	2.0	#122 Halo Star	4	
0114.hs3263	300	9:55	1:46:20.4	10:36:39	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	10:01	1:46:20.4	10:36:39	600	90	2.0	#122 Halo Star	4	
0116.G191B2B	120	10:05	05:01:31.5	52:45:52	600	90	2.0	#56 Spectropho	4	
0117.COMP	10	10:07	05:01:31.5	52:45:52	600	90	2.0	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0118.COMP	6	10:15	05:01:31.5	52:45:52	300	90	3.0	#56 Spectropho	4	
0119.NGC1700	180	10:20	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0120.COMP	12	10:23	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0121.2M04525545+5156396	1200	10:27	4:52:55.4	+51:56:39	300	90	3.0	#141 Mapping t	2	
0122.COMP	12	10:48	4:52:55.4	+51:56:39	300	90	3.0	#141 Mapping t	2	
0123.2M04525545+5156396	1800	10:51	4:52:55.4	+51:56:39	300	90	3.0	#141 Mapping t	2	
0124.COMP	12	11:22	4:52:55.4	+51:56:39	300	90	3.0	#141 Mapping t	2	
0125.2M05025909+4947285	1800	11:26	5:2:59.0	+49:47:28	300	90	3.0	#141 Mapping t	2	
0126.COMP	12	11:56	5:2:59.0	+49:47:28	300	90	3.0	#141 Mapping t	2	
0127.HD52071	5	12:00	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0128.HD52071	2	12:01	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0129.COMP	12	12:03	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0130.Hiltner600	45	12:11	06:42:37.2	02:11:25	300	-14	3.0	#56 Spectropho	2	
0131.COMP	12	12:14	06:42:37.2	02:11:25	300	-14	3.0	#56 Spectropho	2	
0132.G191B2B	60	12:27	05:01:31.5	52:45:52	300	-35	3.0	#56 Spectropho	2	
0133-0142.BIAS	0	12:38	05:01:31.5	52:45:52	300	35	3.0	#56 Spectropho	2	
0143-0152.FLAT	12	12:46	05:01:31.5	52:45:52	300	35	3.0	#56 Spectropho	2	
0153-0162.DARK	900	15:17	05:01:31.5	52:45:52	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
0001-0010.DARK	900	0:51	05:01:31.5	52:45:52	300	90	3.0	#56 Spectropho	2	
0011-0020.BIAS	0	1:17	05:01:31.5	52:45:52	300	90	3.0	#56 Spectropho	2	
0021.FLAT	300	1:20	05:01:31.5	52:45:52	300	90	3.0	#56 Spectropho	2	1200 line NOT 300 line
0022-0030.FLAT	300	2:07	05:01:31.5	52:45:52	300	90	3.0	#56 Spectropho	2	
0031.BDp284211	90	2:21	21:48:57.1	28:37:48	1200	105	1.5	#56 Spectropho	2	
0032.BDp284211	90	2:23	21:48:57.1	28:37:48	1200	105	1.5	#56 Spectropho	2	
0033.COMP	45	2:25	21:48:57.1	28:37:48	1200	105	1.5	#56 Spectropho	2	
0034.HXPeg	300	2:31	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0035.HXPeg	300	2:36	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0036.HXPeg	300	2:41	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0037.HXPeg	300	2:46	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0038.HXPeg	300	2:51	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0039.COMP	45	2:57	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0040.HXPeg	300	2:59	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0041.HXPeg	300	3:04	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0042.HXPeg	300	3:09	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0043.HXPeg	300	3:14	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0044.HXPeg	300	3:19	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0045.COMP	45	3:25	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0046.HXPeg	300	3:26	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0047.HXPeg	300	3:31	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0048.HXPeg	300	3:37	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0049.HXPeg	300	3:42	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0050.HXPeg	300	3:47	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0051.COMP	45	3:53	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0052.HXPeg	300	3:55	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0053.HXPeg	300	4:00	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0054.HXPeg	300	4:05	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0055.HXPeg	300	4:11	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0056.HXPeg	300	4:16	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0057.COMP	45	4:21	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0057.COMP.ms	5	1:10	2:10:00	32:00:00	300	90	3.0	#57 Velocity S	1	
0058.HXPeg	300	4:23	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0059.HXPeg	300	4:28	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0060.HXPeg	300	4:33	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0061.HXPeg	300	4:39	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0062.HXPeg	300	4:44	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0063.COMP	45	4:49	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0064.HXPeg	300	4:51	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0065.HXPeg	300	4:56	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0066.HXPeg	300	5:02	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0067.HXPeg	300	5:07	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0068.HXPeg	300	5:12	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0069.COMP	45	5:18	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0070.HXPeg	300	5:19	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0071.HXPeg	300	5:24	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0072.HXPeg	300	5:30	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0073.HXPeg	300	5:35	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0074.HXPeg	300	5:40	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0075.COMP	45	5:46	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0076.HXPeg	300	5:47	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0077.HXPeg	300	5:53	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0078.HXPeg	300	5:58	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0079.HXPeg	300	6:03	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0080.HXPeg	300	6:08	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0081.COMP	45	6:14	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0082.HXPeg	300	6:15	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0083.HXPeg	300	6:20	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0084.HXPeg	300	6:26	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0085.HXPeg	300	6:31	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0086.HXPeg	300	6:36	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0087.COMP	45	6:42	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0088.HXPeg	300	6:43	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0089.HXPeg	300	6:48	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0090.HXPeg	300	6:53	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0091.HXPeg	300	6:58	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0092.HXPeg	300	7:04	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0093.COMP	45	7:09	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0094.HXPeg	300	7:10	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0095.HXPeg	300	7:15	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0096.HXPeg	300	7:21	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0097.HXPeg	300	7:26	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0098.HXPeg	300	7:31	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0099.COMP	45	7:37	23:40:23.7	12:37:41	1200	0	1.5	#148 Accretion	2	
0100.COMP	12	7:50	23:40:23.7	12:37:41	300	90	3.0	#148 Accretion	2	
0101.sn2004dt	1200	7:57	02:02:12.7	-00:05:51	300	90	3.0	#2 SN Observat	2	
0102.COMP	12	8:18	02:02:12.7	-00:05:51	300	90	3.0	#2 SN Observat	2	
0103.021424p14190.b	1200	8:23	2:17:9.1	14:31:22	300	90	3.0	#113 Interacti	2	
0104.021424p14190.b	1200	8:43	2:17:9.1	14:31:22	300	90	3.0	#113 Interacti	2	
0105.COMP	12	9:04	2:17:9.1	14:31:22	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
0106.025754p44460.c	1200	9:11	3:1:42.9	44:57:45	300	40	3.0	#113 Interacti	2	
0107.025754p44460.c	1200	9:32	3:1:42.9	44:57:45	300	40	3.0	#113 Interacti	2	
0108.COMP	12	9:52	3:1:42.9	44:57:45	300	40	3.0	#113 Interacti	2	
0109.025754p44460.d	1200	9:59	3:1:44.6	44:57:56	300	90	3.0	#113 Interacti	2	
0110.025754p44460.d	1200	10:19	3:1:44.6	44:57:56	300	90	3.0	#113 Interacti	2	
0111.COMP	12	10:40	3:1:44.6	44:57:56	300	90	3.0	#113 Interacti	2	
0112.050524p17180.a	1200	10:42	5:8:19.7	17:21:47	300	90	3.0	#113 Interacti	2	
0113.COMP	12	11:03	5:8:19.7	17:21:47	300	90	3.0	#113 Interacti	2	
0114.050524p17180.b	1500	11:06	5:8:21.2	17:22:9	300	-29	3.0	#113 Interacti	2	
0115.COMP	12	11:31	5:8:21.2	17:22:9	300	-29	3.0	#113 Interacti	2	
0116.050524p17180.a	1200	11:34	5:8:19.7	17:21:47	300	90	3.0	#113 Interacti	2	thought I
0117.COMP	12	11:54	5:8:19.7	17:21:47	300	90	3.0	#113 Interacti	2	
0118.G191B2B	60	11:59	05:01:31.5	52:45:52	300	-35	3.0	#56 Spectropho	2	
0119.G191B2B	60	12:00	05:01:31.5	52:45:52	300	-35	3.0	#56 Spectropho	2	
0120.COMP	12	12:03	05:01:31.5	52:45:52	300	-35	3.0	#56 Spectropho	2	
0121.Hiltner600	45	12:10	06:42:37.2	02:11:25	300	-10	3.0	#56 Spectropho	2	
0122.Hiltner600	45	12:11	06:42:37.2	02:11:25	300	-10	3.0	#56 Spectropho	2	
0123.COMP	12	12:12	06:42:37.2	02:11:25	300	-10	3.0	#56 Spectropho	2	
0124.HD52071	2	12:18	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0125.HD52071	2	12:18	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	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>
0126.COMP	12	12:22	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0127.NGC1700	180	12:24	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0128.COMP	12	12:28	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0129-0138.BIAS	0	12:34	04:56:58.1	-04:52:23	300	90	3.0	#2 SN Observat	2	
0139-0148.FLAT	12	12:39	04:56:58.1	-04:52:23	300	90	3.0	#2 SN Observat	2	
0149-0158.DARK	900	15:07	04:56:58.1	-04:52:23	300	90	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:24	04:56:58.1	-04:52:23	300	90	3.0	#2 SN Observat	2	bin by 2
0002-0010.DARK	900	0:41	04:56:58.1	-04:52:23	300	90	3.0	#2 SN Observat	2	
0011.BIAS	0	1:26	04:56:58.1	-04:52:23	600	90	1.5	#2 SN Observat	4	bin by 4
0012-0020.BIAS	0	1:27	04:56:58.1	-04:52:23	600	90	1.5	#2 SN Observat	4	
0021-0031.FLAT	55	1:38	04:56:58.1	-04:52:23	600	90	1.5	#2 SN Observat	4	
0032.BDp284211	120	1:48	21:48:57.1	28:37:48	600	90	1.5	#56 Spectropho	4	
0033.COMP	10	1:51	21:48:57.1	28:37:48	600	90	1.5	#56 Spectropho	4	
0034.obj7083_8-355	300	1:58	20:56:29.4	31:04:17	600	90	1.5	#155 Cygnus Sh	4	
0035.obj7083_8-355	300	2:04	20:56:29.4	31:04:17	600	90	1.5	#155 Cygnus Sh	4	
0036.COMP	10	2:10	20:56:29.4	31:04:17	600	90	1.5	#155 Cygnus Sh	4	
0037.obj7080_5-644	300	2:11	20:48:31.2	32:37:52	600	90	1.5	#155 Cygnus Sh	4	
0038.obj7080_5-644	300	2:16	20:48:31.2	32:37:52	600	90	1.5	#155 Cygnus Sh	4	
0039.COMP	10	2:22	20:48:31.2	32:37:52	600	90	1.5	#155 Cygnus Sh	4	
0040.obj7092_4-1997	300	2:24	20:54:30.0	30:08:31	600	90	1.5	#155 Cygnus Sh	4	
0041.obj7092_4-1997	300	2:29	20:54:30.0	30:08:31	600	90	1.5	#155 Cygnus Sh	4	
0042.COMP	10	2:34	20:54:30.0	30:08:31	600	90	1.5	#155 Cygnus Sh	4	
0043.obj7098_7-274	300	2:36	20:47:42.9	30:24:35	600	90	1.5	#155 Cygnus Sh	4	
0044.obj7098_7-274	300	2:41	20:47:42.9	30:24:35	600	90	1.5	#155 Cygnus Sh	4	
0045.COMP	10	2:46	20:47:42.9	30:24:35	600	90	1.5	#155 Cygnus Sh	4	
0046.obj7095_3-2778	300	2:48	20:50:09.4	30:17:08	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
0047.obj7095_3-2778	300	2:53	20:50:09.4	30:17:08	600	90	1.5	#155 Cygnus Sh	4	
0048.COMP	10	2:59	20:50:09.4	30:17:08	600	90	1.5	#155 Cygnus Sh	4	
0049.obj7098_4-396	330	3:01	20:45:11.0	29:56:58	600	90	1.5	#155 Cygnus Sh	4	
0050.obj7098_4-396	330	3:07	20:45:11.0	29:56:58	600	90	1.5	#155 Cygnus Sh	4	
0051.COMP	10	3:13	20:45:11.0	29:56:58	600	90	1.5	#155 Cygnus Sh	4	
0052.obj7086_7-752	330	3:14	20:53:28.6	31:17:37	600	90	1.5	#155 Cygnus Sh	4	
0053.obj7086_7-752	330	3:20	20:53:28.6	31:17:37	600	90	1.5	#155 Cygnus Sh	4	
0054.COMP	10	3:26	20:53:28.6	31:17:37	600	90	1.5	#155 Cygnus Sh	4	
0055.obj7092_8-587	330	3:28	20:56:40.8	30:09:02	600	90	1.5	#155 Cygnus Sh	4	
0056.obj7092_8-587	330	3:34	20:56:40.8	30:09:02	600	90	1.5	#155 Cygnus Sh	4	
0057.COMP	10	3:40	20:56:40.8	30:09:02	600	90	1.5	#155 Cygnus Sh	4	
0058.obj7077_5-987	330	3:45	20:53:06.5	32:30:06	600	0	1.5	#155 Cygnus Sh	4	
0059.obj7077_5-987	330	3:51	20:53:06.5	32:30:06	600	0	1.5	#155 Cygnus Sh	4	
0060.COMP	10	3:57	20:53:06.5	32:30:06	600	0	1.5	#155 Cygnus Sh	4	
0061.obj7074_6-332	360	4:06	20:56:40.3	32:23:46	600	90	1.5	#155 Cygnus Sh	4	
0062.obj7074_6-332	360	4:12	20:56:40.3	32:23:46	600	90	1.5	#155 Cygnus Sh	4	
0063.obj7074_6-332	360	4:19	20:56:40.3	32:23:46	600	90	1.5	#155 Cygnus Sh	4	
0064.obj7074_6-332	420	4:27	20:56:40.3	32:23:46	600	90	1.5	#155 Cygnus Sh	4	
0065.obj7074_6-332	600	4:38	20:56:40.3	32:23:46	600	90	1.5	#155 Cygnus Sh	4	
0066.obj7074_6-332	600	4:48	20:56:40.3	32:23:46	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
0067.COMP	600	4:58	20:56:40.3	32:23:46	600	90	1.5	#155 Cygnus Sh	4	no stars! cloudy.
0068.COMP	12	5:10	00:08:23.1	+29:05:27	300	90	3.0	#56 Spectropho	2	combo setup, 7384 at 2653
0069-0078.FLAT	12	5:19	00:08:23.1	+29:05:27	300	90	3.0	Bright Stars	2	
0079-0088.BIAS	0	5:41	20:35:25.4	60:07:17	300	90	3.0	Bright Stars	2	
0089.DARK	900	5:42	20:35:25.4	60:07:17	300	90	3.0	Bright Stars	4	bin by 4
0090.DARK	900	5:57	20:35:25.4	60:07:17	300	90	3.0	Bright Stars	4	
0091.Akn564	180	6:40	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0092.Akn564	180	6:43	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	fell for sucker hole
0093.COMP	6	6:47	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0094-0102.DARK	900	8:57	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	4	
0103-0112.FLAT	6	9:15	23:03:15.7	+08:52:27	300	90	3.0	Bright Stars	4	
0113.Per1	1	9:44	3:3:31.9	38:24:36	300	90	3.0	#89 Ae/Be star	2	off-center, not sure why
0114.COMP	12	9:46	3:3:31.9	38:24:36	300	90	3.0	#89 Ae/Be star	2	
0115.Per2	1	9:48	3:4:9.4	38:4:46	300	90	3.0	#89 Ae/Be star	2	ditto
0116.COMP	12	9:51	3:4:9.4	38:4:46	300	90	3.0	#89 Ae/Be star	2	comps look strange too
0117.COMP	12	9:55	3:4:9.4	38:4:46	300	90	3.0	#89 Ae/Be star	2	progfast fixed it
0118.Per3	60	10:00	3:5:29.4	40:19:33	300	90	3.0	#89 Ae/Be star	2	
0119.COMP	12	10:02	3:5:29.4	40:19:33	300	90	3.0	#89 Ae/Be star	2	
0120.Per4	30	10:03	3:11:14.1	35:32:57	300	90	3.0	#89 Ae/Be star	2	
0121.COMP	12	10:05	3:11:14.1	35:32:57	300	90	3.0	#89 Ae/Be star	2	

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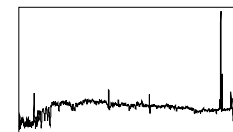
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0122.Per5	15	10:06	3:12:56.5	30:51:12	300	90	3.0	#89 Ae/Be star	2	
0123.COMP	12	10:07	3:12:56.5	30:51:12	300	90	3.0	#89 Ae/Be star	2	
0124.Per6	5	10:08	3:13:24.4	38:58:3	300	90	3.0	#89 Ae/Be star	2	
0125.COMP	12	10:09	3:13:24.4	38:58:3	300	90	3.0	#89 Ae/Be star	2	
0126.Per7	5	10:10	3:13:30.0	40:9:12	300	90	3.0	#89 Ae/Be star	2	
0127.COMP	12	10:11	3:13:30.0	40:9:12	300	90	3.0	#89 Ae/Be star	2	
0128.Per8	15	10:12	3:14:58.2	42:36:45	300	90	3.0	#89 Ae/Be star	2	
0129.COMP	12	10:13	3:14:58.2	42:36:45	300	90	3.0	#89 Ae/Be star	2	
0130.Per9	10	10:15	3:16:24.5	30:52:23	300	90	3.0	#89 Ae/Be star	2	
0131.COMP	12	10:16	3:16:24.5	30:52:23	300	90	3.0	#89 Ae/Be star	2	
0132.Per10	30	10:17	3:17:8.8	42:58:53	300	90	3.0	#89 Ae/Be star	2	
0133.COMP	12	10:18	3:17:8.8	42:58:53	300	90	3.0	#89 Ae/Be star	2	
0134.Per11	10	10:20	3:19:15.0	36:40:39	300	90	3.0	#89 Ae/Be star	2	
0135.COMP	12	10:20	3:19:15.0	36:40:39	300	90	3.0	#89 Ae/Be star	2	
0136.Per12	10	10:22	3:19:21.1	28:43:9	300	90	3.0	#89 Ae/Be star	2	
0137.COMP	12	10:22	3:19:21.1	28:43:9	300	90	3.0	#89 Ae/Be star	2	
0138.Per13	3	10:23	3:25:40.4	33:17:9	300	90	3.0	#89 Ae/Be star	2	
0139.COMP	12	10:24	3:25:40.4	33:17:9	300	90	3.0	#89 Ae/Be star	2	
0140.Per14	20	10:25	3:26:15.2	39:22:52	300	90	3.0	#89 Ae/Be star	2	
0141.COMP	12	10:26	3:26:15.2	39:22:52	300	90	3.0	#89 Ae/Be star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0142.Per15	5	10:28	3:28:14.8	31:54:50	300	90	3.0	#89 Ae/Be star	2	
0143.COMP	12	10:28	3:28:14.8	31:54:50	300	90	3.0	#89 Ae/Be star	2	
0144.Per16	1	10:30	3:28:46.6	30:22:31	300	90	3.0	#89 Ae/Be star	2	
0145.COMP	12	10:31	3:28:46.6	30:22:31	300	90	3.0	#89 Ae/Be star	2	
0146.Per17	20	10:33	3:29:6.9	43:26:42	300	90	3.0	#89 Ae/Be star	2	
0147.COMP	12	10:34	3:29:6.9	43:26:42	300	90	3.0	#89 Ae/Be star	2	
0148.Per18	10	10:35	3:37:48.0	37:42:12	300	90	3.0	#89 Ae/Be star	2	
0149.COMP	12	10:37	3:37:48.0	37:42:12	300	90	3.0	#89 Ae/Be star	2	
0150.Ori109	2	10:42	5:44:2.7	-4:33:32	300	90	3.0	#89 Ae/Be star	2	
0151.COMP	12	10:43	5:44:2.7	-4:33:32	300	90	3.0	#89 Ae/Be star	2	
0152.Ori108	60	10:48	5:43:38.8	-5:48:1	300	90	3.0	#89 Ae/Be star	2	
0153.COMP	12	10:49	5:43:38.8	-5:48:1	300	90	3.0	#89 Ae/Be star	2	
0154.Ori110	90	10:54	5:44:23.3	3:4:41	300	90	3.0	#89 Ae/Be star	2	
0155.COMP	12	10:56	5:44:23.3	3:4:41	300	90	3.0	#89 Ae/Be star	2	
0156.Ori111	2	10:57	5:45:21.3	4:50:56	300	90	3.0	#89 Ae/Be star	2	
0157.COMP	12	10:58	5:45:21.3	4:50:56	300	90	3.0	#89 Ae/Be star	2	
0158.Ori112	60	10:59	5:46:50.9	3:9:30	300	90	3.0	#89 Ae/Be star	2	
0159.COMP	12	11:01	5:46:50.9	3:9:30	300	90	3.0	#89 Ae/Be star	2	
0160.Ori113	5	11:02	5:47:5.3	-1:22:17	300	90	3.0	#89 Ae/Be star	2	
0161.COMP	12	11:03	5:47:5.3	-1:22:17	300	90	3.0	#89 Ae/Be star	2	

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0162.Ori114	15	11:06	5:47:33.6	-5:18:4	300	90	3.0	#89 Ae/Be star	2	
0163.COMP	12	11:06	5:47:33.6	-5:18:4	300	90	3.0	#89 Ae/Be star	2	
0164.Ori115	15	11:08	5:47:33.6	-5:18:4	300	90	3.0	#89 Ae/Be star	2	
0165.G191B2B	75	11:13	05:01:31.5	52:45:52	300	15	3.0	#56 Spectropho	2	
0166.G191B2B	150	11:15	05:01:31.5	52:45:52	300	15	3.0	#56 Spectropho	2	
0167.COMP	12	11:18	06:42:37.2	02:11:25	300	15	3.0	#56 Spectropho	2	
0168.Hiltner600	60	11:27	06:42:37.2	02:11:25	300	-25	3.0	#56 Spectropho	2	
0169.Hiltner600	60	11:29	06:42:37.2	02:11:25	300	-25	3.0	#56 Spectropho	2	
0170.COMP	12	11:30	06:42:37.2	02:11:25	300	-25	3.0	#56 Spectropho	2	
0171.NGC1700	180	11:35	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0172.COMP	12	11:39	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0173.HD52071	2	11:41	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0174.COMP	12	11:47	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0175.Ori116	15	11:49	5:47:39.5	3:8:22	300	90	3.0	#89 Ae/Be star	2	
0176.COMP	12	11:50	5:47:39.5	3:8:22	300	90	3.0	#89 Ae/Be star	2	
0177.Ori117	10	11:51	5:47:40.9	5:41:44	300	90	3.0	#89 Ae/Be star	2	
0178.COMP	12	11:52	5:47:40.9	5:41:44	300	90	3.0	#89 Ae/Be star	2	
0179.Ori118	5	11:53	5:48:30.7	2:17:23	300	90	3.0	#89 Ae/Be star	2	
0180.COMP	12	11:54	5:48:30.7	2:17:23	300	90	3.0	#89 Ae/Be star	2	
0181.Ori119	90	11:55	5:49:4.9	-1:28:41	300	90	3.0	#89 Ae/Be star	2	

UT Date 2004-10-16 Observers Eriksen, DonleyColl. 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>
0182.COMP	12	11:57	5:49:4.9	-1:28:41	300	90	3.0	#89 Ae/Be star	2	
0183.Ori120	20	11:58	5:51:3.9	-3:24:45	300	90	3.0	#89 Ae/Be star	2	
0184.COMP	12	11:59	5:51:3.9	-3:24:45	300	90	3.0	#89 Ae/Be star	2	
0185.Ori121	30	12:00	5:51:12.2	0:21:41	300	90	3.0	#89 Ae/Be star	2	clouds again
0186.COMP	12	12:01	5:51:12.2	0:21:41	300	90	3.0	#89 Ae/Be star	2	
0187-0196.BIAS	0	12:18	5:54:18.8	-5:33:37	300	90	3.0	#89 Ae/Be star	2	
0197-0206.FLAT	12	12:22	5:54:18.8	-5:33:37	300	90	3.0	#89 Ae/Be star	2	
0207-0216.DARK	900	14:42	5:54:18.8	-5:33:37	300	90	3.0	#89 Ae/Be star	2	

UT Date 2004-10-17 Observers Eriksen, DonleyColl. 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.DARK	900	0:55	5:54:18.8	-5:33:37	300	90	3.0	#89 Ae/Be star	2	
0011-0020.FLAT	12	1:27	5:54:18.8	-5:33:37	300	90	3.0	#89 Ae/Be star	2	
0021-0030.BIAS	0	1:35	5:54:18.8	-5:33:37	300	90	3.0	#89 Ae/Be star	2	
0031.BDp284211	120	5:35	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0032.COMP	12	5:39	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	

UT Date 2004-10-18 Observers EriksenColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:06	20:35:25.4	60:07:17	300	90	3.0	#56 Spectropho	2	bin by 2
0002-0010.DARK	900	0:22	20:35:25.4	60:07:17	300	90	3.0	#56 Spectropho	2	
0011-0020.FLAT	12	1:02	20:35:25.4	60:07:17	300	90	3.0	#56 Spectropho	2	
0021-0030.BIAS	0	1:22	20:35:25.4	60:07:17	300	90	3.0	#56 Spectropho	2	
0031.COMP	12	1:25	20:35:25.4	60:07:17	300	90	3.0	#56 Spectropho	2	tilt=600
0032.COMP	12	1:28	20:35:25.4	60:07:17	300	90	3.0	#56 Spectropho	2	tilt=599, 7384 @ 2661
0033.BDp284211	60	1:40	21:48:57.1	28:37:48	300	105	3.0	#56 Spectropho	2	combo setup
0034.BDp284211	60	1:42	21:48:57.1	28:37:48	300	105	3.0	#56 Spectropho	2	
0035.COMP	12	1:43	21:48:57.1	28:37:48	300	105	3.0	#56 Spectropho	2	
0036.N7331	90	1:45	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0037.N7331	240	1:47	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0038.COMP	12	1:52	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0039.sn2004et	300	1:56	20:35:25.4	60:07:17	300	8	3.0	#2 SN Observat	2	
0040.sn2004et	300	2:02	20:35:25.4	60:07:17	300	8	3.0	#2 SN Observat	2	
0041.COMP	12	2:07	20:35:25.4	60:07:17	300	8	3.0	#2 SN Observat	2	
0042.BDp174708	30	2:12	22:11:31.4	18:05:34	300	-35	3.0	#56 Spectropho	2	
0043.COMP	12	2:17	22:11:31.4	18:05:34	300	-35	3.0	#56 Spectropho	2	
0044.obj7083_3-2643	300	2:34	20:54:32.4	31:13:22	600	90	1.5	#155 Cygnus Sh	4	tilt=430,bin by 4
0045.obj7083_3-2643	600	2:40	20:54:32.4	31:13:22	600	90	1.5	#155 Cygnus Sh	4	
0046.obj7083_3-2643	600	2:50	20:54:32.4	31:13:22	600	90	1.5	#155 Cygnus Sh	4	

UT Date 2004-10-18 Observers EriksenColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0047.COMP	12	3:01	20:54:32.4	31:13:22	600	90	1.5	#155 Cygnus Sh	4	
0048.obj7095_2-523	600	3:02	20:50:32.5	30:40:56	600	90	1.5	#155 Cygnus Sh	4	
0049.obj7095_2-523	600	3:12	20:50:32.5	30:40:56	600	90	1.5	#155 Cygnus Sh	4	
0050.COMP	10	3:22	20:50:32.5	30:40:56	600	90	1.5	#155 Cygnus Sh	4	
0051.obj7080_4-1309	660	3:24	20:45:21.9	31:54:26	600	90	1.5	#155 Cygnus Sh	4	
0052.obj7080_4-1309	660	3:35	20:45:21.9	31:54:26	600	90	1.5	#155 Cygnus Sh	4	
0053.COMP	10	3:48	20:45:21.9	31:54:26	600	90	1.5	#155 Cygnus Sh	4	
0054.obj7089_6-223	660	3:49	20:47:31.4	31:26:55	600	90	1.5	#155 Cygnus Sh	4	
0055.obj7089_6-223	660	4:02	20:47:31.4	31:26:55	600	90	1.5	#155 Cygnus Sh	4	close due to humidity
0056.COMP	10	4:14	20:47:31.4	31:26:55	600	90	1.5	#155 Cygnus Sh	4	
0057.BIAS	0	4:16	20:47:31.4	31:26:55	600	90	1.5	#155 Cygnus Sh	4	bin by 4
0058-0066.BIAS	0	4:17	20:47:31.4	31:26:55	600	90	1.5	#155 Cygnus Sh	4	
0067-0076.FLAT	55	4:27	20:47:31.4	31:26:55	600	90	1.5	#155 Cygnus Sh	4	
0077-0084.DARK	900	7:11	20:47:31.4	31:26:55	600	90	1.5	#155 Cygnus Sh	4	
0085.PG0216p032	420	7:44	02:16:43.0	03:13:08	600	-5	1.5	#56 Spectropho	4	Cyg Lp setup
0086.PG0216p032	600	7:51	02:16:43.0	03:13:08	600	-5	1.5	#56 Spectropho	4	
0087.COMP	10	8:02	02:16:43.0	03:13:08	600	-5	1.5	#56 Spectropho	4	
0088.COMP	12	8:11	02:16:43.0	03:13:08	300	90	3.0	#56 Spectropho	4	combo setup, 7384 @ 2666
0089.sn2004eu	900	8:24	02:20:34.8	+41:34:18	300	-25	3.0	#2 SN Observat	4	
0090.sn2004eu	900	8:40	02:20:34.8	+41:34:18	300	-25	3.0	#2 SN Observat	4	yikes, forgot to bin by 2!

UT Date 2004-10-18 Observers EriksenColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091.sn2004eu	900	8:56	02:20:34.8	+41:34:18	300	-25	3.0	#2 SN Observat	2	
0092.sn2004eu	900	9:11	02:20:34.8	+41:34:18	300	-25	3.0	#2 SN Observat	2	bin by 2
0093.COMP	12	9:33	02:20:36.9	+41:35:33	300	-25	3.0	#2 SN Observat	2	
0094.042830p08240.b	1200	9:47	4:31:11.7	8:30:6	300	89	3.0	#113 Interacti	2	probably too faint
0095.042830p08240.b	1200	10:07	4:31:11.7	8:30:6	300	89	3.0	#113 Interacti	2	
0096.COMP	12	10:28	4:31:11.7	8:30:6	300	89	3.0	#113 Interacti	2	
0097.043300p19500.b	1200	10:30	4:36:11.4	20:0:55	300	89	3.0	#113 Interacti	2	
0098.043300p19500.b	1200	10:50	4:36:11.4	20:0:55	300	89	3.0	#113 Interacti	2	
0099.COMP	12	11:11	4:36:11.4	20:0:55	300	89	3.0	#113 Interacti	2	
0100.2M05231302+5112435	1200	11:18	5:23:13.0	+51:12:43	300	89	3.0	#141 Mapping t	2	clouds, but got it
0101.COMP	12	11:38	5:23:13.0	+51:12:43	300	89	3.0	#141 Mapping t	2	
0102.2M05413709+1548171	1200	11:42	5:41:37.0	+15:48:17	300	89	3.0	#141 Mapping t	2	
0103.COMP	12	12:02	5:41:37.0	+15:48:17	300	89	3.0	#141 Mapping t	2	
0104.G191B2B	60	12:11	05:01:31.5	52:45:52	300	-35	3.0	#56 Spectropho	2	
0105.G191B2B	60	12:12	05:01:31.5	52:45:52	300	-35	3.0	#56 Spectropho	2	
0106.COMP	12	12:13	05:01:31.5	52:45:52	300	-35	3.0	#56 Spectropho	2	
0107.Hiltner600	60	12:17	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0108.Hiltner600	60	12:19	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0109.COMP	12	12:20	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0110.HD52071	2	12:24	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
0111.HD52071	2	12:25	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0112.COMP	12	12:26	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0113.Ori121	90	12:28	5:51:12.2	0:21:41	300	90	3.0	#89 Ae/Be star	2	
0114.COMP	12	12:30	5:52:28.1	0:45:5	300	90	3.0	#89 Ae/Be star	2	
0115.Ori122	90	12:31	5:52:28.1	0:45:5	300	90	3.0	#89 Ae/Be star	2	
0116.COMP	12	12:34	5:52:28.1	0:45:5	300	90	3.0	#89 Ae/Be star	2	
0117.Ori123	5	12:35	5:54:18.8	-5:33:37	300	90	3.0	#89 Ae/Be star	2	
0118.COMP	12	12:35	5:54:18.8	-5:33:37	300	90	3.0	#89 Ae/Be star	2	
0119.Ori124	5	12:36	5:54:36.3	-3:12:31	300	90	3.0	#89 Ae/Be star	2	
0120.COMP	12	12:37	5:54:36.3	-3:12:31	300	90	3.0	#89 Ae/Be star	2	
0121-0130.BIAS	0	12:50	5:54:36.3	-3:12:31	300	90	3.0	#141 Mapping t	2	
0131-0140.FLAT	12	12:56	5:54:36.3	-3:12:31	300	90	3.0	#141 Mapping t	2	
0141-0146.DARK	900	14:14	5:54:36.3	-3:12:31	300	90	3.0	#141 Mapping t	4	

UT Date 2004-10-19 Observers CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	1:18	20:00:15.5	+31:28:57	300	90	3.0	#141 Mapping t	4	
0002.DARK	900	1:33	20:15:26.1	+31:28:51	300	90	3.0	#141 Mapping t	4	
0003.DARK	900	1:48	20:30:36.6	+31:28:46	300	90	3.0	#141 Mapping t	4	
0004.DARK	900	2:03	20:45:43.7	+31:28:41	300	90	3.0	#141 Mapping t	4	
0005.DARK	900	2:18	21:00:53.8	+31:28:37	300	90	3.0	#141 Mapping t	4	
0006.DARK	900	2:33	21:16:00.9	+31:28:32	300	90	3.0	#141 Mapping t	4	
0007.DARK	900	2:48	21:31:11.4	+31:28:28	300	90	3.0	#141 Mapping t	4	
0008.DARK	900	3:03	21:46:18.2	+31:28:25	300	90	3.0	#141 Mapping t	4	
0009.DARK	900	3:18	22:01:28.4	+31:28:21	300	90	3.0	#141 Mapping t	4	
0010.DARK	900	3:34	22:16:35.2	+31:28:19	300	90	3.0	#141 Mapping t	4	
0011-0020.BIAS	0	4:43	23:11:12.4	+31:28:11	300	90	3.0	#141 Mapping t	4	
0021-0030.FLAT	6	7:43	02:11:39.8	+31:28:25	300	90	3.0	#141 Mapping t	4	
0031-0033.BIAS	0	7:44	02:12:32.5	+31:28:25	300	90	3.0	#141 Mapping t	2	
0034-0040.BIAS	0	7:45	02:14:03.3	+31:28:26	300	90	3.0	#141 Mapping t	2	
0041-0047.FLAT	12	7:48	02:16:56.5	+31:28:26	300	90	3.0	#141 Mapping t	2	
0048-0050.FLAT	12	7:49	02:18:10.1	+31:28:27	300	90	3.0	#141 Mapping t	2	
0051.sn2004eu	1800	10:18	02:20:34.8	+41:34:18	300	97	3.0	#2 SN Observat	2	row=78
0052.sn2004eu	1800	10:48	02:20:34.8	+41:34:18	300	97	3.0	#2 SN Observat	2	
0053.COMP	12	11:18	02:20:34.8	+41:34:18	300	97	3.0	#2 SN Observat	2	
0054.Feige24	240	11:22	02:32:31.0	03:30:51	300	53	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0055.COMP	12	11:26	02:32:31.0	03:30:51	300	53	3.0	#56 Spectropho	2	
0056.Hiltner600	65	11:29	06:42:37.2	02:11:25	300	53	3.0	#56 Spectropho	2	
0057.COMP	12	11:31	06:42:37.2	02:11:25	300	53	3.0	#56 Spectropho	2	
0058.2M05490753p6605064	480	11:38	5:49:7.5	66:05:6	300	90	3.0	#141 Mapping t	2	
0059.COMP	12	11:47	5:49:7.5	66:05:6	300	90	3.0	#141 Mapping t	2	
0060.2M05491682p5048413	900	12:03	5:49:16.8	50:48:41	300	80	3.0	#141 Mapping t	2	
0061.COMP	12	12:18	5:49:16.8	50:48:41	300	80	3.0	#141 Mapping t	2	
0062.2M05491818p5842045	480	12:28	5:49:18.2	58:42:4	300	90	3.0	#141 Mapping t	2	
0063.COMP	12	12:37	5:49:18.2	58:42:4	300	90	3.0	#141 Mapping t	2	
0064.AGK2p14783	5	12:40	07:17:47	+14:59:38	300	90	3.0	#57 Velocity S	2	
0065.AGK2p14783	5	12:40	07:17:47	+14:59:38	300	90	3.0	#57 Velocity S	2	
0066.COMP	12	12:41	07:17:47	+14:59:38	300	90	3.0	#57 Velocity S	2	
0067.NGC1700	180	12:43	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0068.COMP	12	12:46	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0069-0078.BIAS	0	12:54	04:56:58.1	-04:52:23	300	90	3.0	#141 Mapping t	2	
0079-0088.FLAT	12	12:58	04:56:58.1	-04:52:23	300	90	3.0	#141 Mapping t	2	
0089-0098.DARK	900	15:16	04:56:58.1	-04:52:23	300	90	3.0	#141 Mapping t	2	

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

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

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

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

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

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

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



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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>
0001-0010.DARK	900	2:52	06:02:01.4	+66:25:01	300	90	3.0	#141 Mapping t	4	
0011-0020.BIAS	0	7:43	06:02:01.4	+66:25:01	300	90	3.0	#141 Mapping t	4	
0021-0030.FLAT	6	7:46	06:02:01.4	+66:25:01	300	90	3.0	#141 Mapping t	4	
0031-0040.BIAS	0	7:49	06:02:01.4	+66:25:01	300	90	3.0	#141 Mapping t	2	
0041-0050.FLAT	12	7:53	06:02:01.4	+66:25:01	300	90	3.0	#141 Mapping t	2	

UT Date 2004-10-22 Observers CalkinsColl. 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>
0001-0010.DARK	900	4:53	06:02:01.4	+66:25:01	300	90	3.0	#141 Mapping t	4	
0011-0020.BIAS	0	5:43	06:02:01.4	+66:25:01	300	90	3.0	#141 Mapping t	4	

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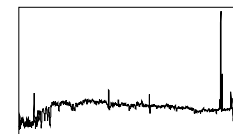
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	3:58	23:13:36.2	+31:28:10	300	90	3.0	#141 Mapping t	4	
0002.BIAS	1	3:58	23:13:49.1	+31:28:10	300	90	3.0	#141 Mapping t	4	
0003.COMP	5	3:59	23:14:19.2	+31:28:09	300	90	3.0	#141 Mapping t	4	
0004.COMP	10	3:59	23:14:57.8	+31:28:09	300	90	3.0	#141 Mapping t	2	
0005.COMP	20	4:00	23:15:58.8	+31:28:09	300	90	3.0	#141 Mapping t	1	
0006.COMP	5	4:03	23:18:34.7	+31:28:09	300	90	3.0	#141 Mapping t	4	
0007.COMP	5	4:05	23:20:31.9	+31:28:09	300	20	3.0	#141 Mapping t	4	
0008.test	10	4:13	23:28:33.2	+31:28:08	600	90	2.0	#122 Halo Star	4	
0009.test	10	4:15	23:30:34.2	+31:28:08	600	90	2.0	#122 Halo Star	4	
0010.test	10	4:19	23:34:37.8	+31:28:08	600	90	2.0	#122 Halo Star	4	
0011.test	10	4:21	23:36:38.5	+31:28:08	600	90	2.0	#122 Halo Star	4	
0012.test	10	4:23	23:38:36.3	+31:28:08	600	90	2.0	#122 Halo Star	4	
0013.test	1	4:24	23:39:53.7	+31:28:08	600	90	2.0	#122 Halo Star	4	
0014-0030.BIAS	0	4:28	23:43:09.4	+31:28:08	600	90	2.0	#122 Halo Star	4	
0031.FLAT	24	4:28	23:44:05.5	+31:28:08	600	90	2.0	#122 Halo Star	4	600-line, 2-sec, Warren
0032-0040.FLAT	24	4:33	23:48:42.8	+31:28:08	600	90	2.0	#122 Halo Star	4	
0041.BDp284211	120	4:41	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0042.BDp284211	120	4:44	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0043.COMP	10	4:46	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0044.hs2988	360	4:48	23:53:44.7	20:06:04	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
0045.COMP	10	4:54	23:53:44.7	20:06:04	600	90	2.0	#122 Halo Star	4	
0046.hs2989	720	4:55	23:53:53.6	25:54:04	600	90	2.0	#122 Halo Star	4	
0047.COMP	10	5:07	23:53:53.6	25:54:04	600	90	2.0	#122 Halo Star	4	
0048.hs2990	480	5:08	23:55:04.5	25:17:05	600	90	2.0	#122 Halo Star	4	
0049.COMP	10	5:16	23:55:04.5	25:17:05	600	90	2.0	#122 Halo Star	4	
0050.hs2991	240	5:17	23:55:06.9	16:32:39	600	90	2.0	#122 Halo Star	4	
0051.COMP	10	5:21	23:55:06.9	16:32:39	600	90	2.0	#122 Halo Star	4	
0052.hs2992	540	5:22	23:55:11.3	17:34:14	600	90	2.0	#122 Halo Star	4	
0053.COMP	10	5:31	23:55:11.3	17:34:14	600	90	2.0	#122 Halo Star	4	
0054.hs2995	540	5:32	23:55:32.9	26:12:01	600	90	2.0	#122 Halo Star	4	
0055.COMP	10	5:41	23:55:32.9	26:12:01	600	90	2.0	#122 Halo Star	4	
0056.hs2993	360	5:42	23:55:16.1	16:15:53	600	90	2.0	#122 Halo Star	4	
0057.COMP	10	5:49	23:55:16.1	16:15:53	600	90	2.0	#122 Halo Star	4	
0058.hs2994	300	5:49	23:55:17.3	18:20:15	600	90	2.0	#122 Halo Star	4	
0059.COMP	10	5:55	23:55:17.3	18:20:15	600	90	2.0	#122 Halo Star	4	
0060.hs2996	180	5:56	23:55:55.9	22:13:19	600	90	2.0	#122 Halo Star	4	
0061.COMP	10	5:59	23:55:55.9	22:13:19	600	90	2.0	#122 Halo Star	4	
0062.hs2997	300	6:00	23:56:29.5	19:12:09	600	90	2.0	#122 Halo Star	4	
0063.COMP	10	6:05	23:56:29.5	19:12:09	600	90	2.0	#122 Halo Star	4	
0064.hs2998	720	6:06	23:57:28.4	18:15:47	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
0065.COMP	10	6:18	23:57:28.4	18:15:47	600	90	2.0	#122 Halo Star	4	
0066.hs2999	180	6:19	23:57:33.9	17:25:05	600	90	2.0	#122 Halo Star	4	
0067.COMP	10	6:22	23:57:33.9	17:25:05	600	90	2.0	#122 Halo Star	4	
0068.hs3000	300	6:23	23:57:40.8	26:15:48	600	90	2.0	#122 Halo Star	4	
0069.COMP	10	6:29	23:57:40.8	26:15:48	600	90	2.0	#122 Halo Star	4	
0070.hs3001	720	6:29	23:57:57.4	18:19:07	600	90	2.0	#122 Halo Star	4	
0071.COMP	10	6:41	23:57:57.4	18:19:07	600	90	2.0	#122 Halo Star	4	
0072.hs3002	240	6:42	23:58:43.9	17:07:59	600	90	2.0	#122 Halo Star	4	
0073.COMP	10	6:47	23:58:43.9	17:07:59	600	90	2.0	#122 Halo Star	4	
0074.hs3003	360	6:48	23:58:56.5	25:52:50	600	90	2.0	#122 Halo Star	4	
0075.COMP	10	6:54	23:58:56.5	25:52:50	600	90	2.0	#122 Halo Star	4	
0076.hs3004	180	6:55	23:59:00.3	19:11:05	600	90	2.0	#122 Halo Star	4	
0077.COMP	10	6:58	23:59:00.3	19:11:05	600	90	2.0	#122 Halo Star	4	
0078.hs3005	360	6:59	23:59:14.4	16:11:44	600	90	2.0	#122 Halo Star	4	
0079.COMP	10	7:06	23:59:14.4	16:11:44	600	90	2.0	#122 Halo Star	4	
0080.hs3006	420	7:06	23:59:25.3	16:56:41	600	90	2.0	#122 Halo Star	4	
0081.COMP	10	7:14	23:59:25.3	16:56:41	600	90	2.0	#122 Halo Star	4	
0082.hs3007	420	7:16	23:59:52.4	23:46:42	600	90	2.0	#122 Halo Star	4	
0083.COMP	10	7:24	23:59:52.4	23:46:42	600	90	2.0	#122 Halo Star	4	
0084.hs3009	240	7:25	0:00:42.7	20:35:06	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
0085.COMP	10	7:29	0:00:42.7	20:35:06	600	90	2.0	#122 Halo Star	4	
0086.hs3010	300	7:30	0:00:46.3	23:10:26	600	90	2.0	#122 Halo Star	4	
0087.COMP	10	7:36	0:00:46.3	23:10:26	600	90	2.0	#122 Halo Star	4	
0088.hs3011	270	7:37	0:00:54.2	23:13:03	600	90	2.0	#122 Halo Star	4	
0089.COMP	10	7:42	0:00:54.2	23:13:03	600	90	2.0	#122 Halo Star	4	
0090.hs3012	240	7:44	0:00:56.3	17:25:29	600	90	2.0	#122 Halo Star	4	
0091.COMP	10	7:48	0:00:56.3	17:25:29	600	90	2.0	#122 Halo Star	4	
0092.hs3013	360	7:50	0:01:19.9	19:31:33	600	90	2.0	#122 Halo Star	4	
0093.COMP	10	7:57	0:01:19.9	19:31:33	600	90	2.0	#122 Halo Star	4	
0094.hs3014	240	7:58	0:01:29.1	16:01:50	600	90	2.0	#122 Halo Star	4	
0095.COMP	10	8:03	0:01:29.1	16:01:50	600	90	2.0	#122 Halo Star	4	
0096.hs3015	360	8:04	0:01:31.4	18:36:08	600	90	2.0	#122 Halo Star	4	
0097.COMP	10	8:11	0:01:31.4	18:36:08	600	90	2.0	#122 Halo Star	4	
0098.hs3263	300	8:14	1:46:20.4	10:36:39	600	90	2.0	#122 Halo Star	4	
0099.COMP	10	8:19	1:46:20.4	10:36:39	600	90	2.0	#122 Halo Star	4	
0100.hs3264	240	8:21	1:46:34.7	10:06:08	600	90	2.0	#122 Halo Star	4	
0101.COMP	10	8:25	1:46:34.7	10:06:08	600	90	2.0	#122 Halo Star	4	
0102.hs3265	540	8:27	1:46:52.0	5:44:48	600	90	2.0	#122 Halo Star	4	
0103.COMP	10	8:37	1:46:52.0	5:44:48	600	90	2.0	#122 Halo Star	4	
0104.hs3266	540	8:39	1:48:11.2	5:15:37	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
0105.COMP	10	8:49	1:48:11.2	5:15:37	600	90	2.0	#122 Halo Star	4	
0106.hs3267	420	8:50	1:48:28.7	5:26:13	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	8:58	1:48:28.7	5:26:13	600	90	2.0	#122 Halo Star	4	
0108.hs3268	300	9:01	1:49:36.4	14:39:14	600	90	2.0	#122 Halo Star	4	
0109.COMP	10	9:06	1:49:36.4	14:39:14	600	90	2.0	#122 Halo Star	4	
0110.hs3269	600	9:08	1:49:42.5	9:07:31	600	90	2.0	#122 Halo Star	4	
0111.COMP	10	9:18	1:49:42.5	9:07:31	600	90	2.0	#122 Halo Star	4	
0112.hs3270	240	9:26	1:51:17.8	8:23:24	600	40	2.0	#122 Halo Star	4	
0113.COMP	10	9:31	1:51:17.8	8:23:24	600	40	2.0	#122 Halo Star	4	
0114.hs3271	720	9:36	1:52:40.7	6:35:08	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	9:50	1:52:40.7	6:35:08	600	90	2.0	#122 Halo Star	4	
0116.hs3272	180	9:50	1:54:59.1	11:08:08	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	9:54	1:54:59.1	11:08:08	600	90	2.0	#122 Halo Star	4	
0118.hs3273	720	10:01	1:57:42.8	11:05:28	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	10:13	1:57:42.8	11:05:28	600	90	2.0	#122 Halo Star	4	
0120.hs3274	300	10:14	1:59:44.7	12:13:46	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	10:20	1:59:44.7	12:13:46	600	90	2.0	#122 Halo Star	4	
0122.hs3431	480	10:25	2:09:08.6	15:38:05	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	10:33	2:09:08.6	15:38:05	600	90	2.0	#122 Halo Star	4	
0124-0133.BIAS	0	10:40	2:09:08.6	15:38:05	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
0134-0143.FLAT	24	10:47	2:09:08.6	15:38:05	600	90	2.0	#122 Halo Star	4	
0144.COMP	5	10:58	2:09:08.6	15:38:05	300	90	3.0	#122 Halo Star	4	300-line, 3-sec
0145.COMP	5	11:01	2:09:08.6	15:38:05	300	90	3.0	#122 Halo Star	4	
0146.COMP	5	11:04	2:09:08.6	15:38:05	300	90	3.0	#122 Halo Star	4	
0147.COMP	5	11:06	2:09:08.6	15:38:05	300	90	3.0	#122 Halo Star	4	
0148-0157.BIAS	0	11:10	2:09:08.6	15:38:05	300	90	3.0	#122 Halo Star	4	
0158-0167.FLAT	8	11:13	2:09:08.6	15:38:05	300	90	3.0	#122 Halo Star	4	
0168.BIAS	0	11:14	2:09:08.6	15:38:05	300	90	3.0	#122 Halo Star	2	ackkkkk clouds stop
0169-0177.BIAS	0	11:16	2:09:08.6	15:38:05	300	90	3.0	#122 Halo Star	2	
0178-0187.FLAT	16	11:21	2:09:08.6	15:38:05	300	90	3.0	#122 Halo Star	2	
0188-0197.DARK	900	13:57	2:09:08.6	15:38:05	300	90	3.0	#122 Halo Star	4	
0198-0207.DARK	900	16:29	2:09:08.6	15:38:05	300	90	3.0	#122 Halo Star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	23:37	19:10:20.5	+31:29:17	300	90	3.0	#122 Halo Star	4	
0002.DARK	900	23:52	19:25:30.0	+31:29:11	300	90	3.0	#122 Halo Star	4	
0003.DARK	900	0:07	19:40:37.6	+31:29:05	300	90	3.0	#122 Halo Star	4	
0004.DARK	900	0:22	19:55:48.0	+31:28:59	300	90	3.0	#122 Halo Star	4	
0005.DARK	900	0:37	20:10:58.6	+31:28:53	300	90	3.0	#122 Halo Star	4	
0006-0015.BIAS	0	1:02	20:20:35.1	+31:28:50	300	90	3.0	#122 Halo Star	4	
0016-0025.FLAT	6	1:05	20:24:07.6	+31:28:49	300	90	3.0	#122 Halo Star	4	
0026-0030.BIAS	0	1:08	20:26:56.9	+31:28:48	300	90	3.0	#122 Halo Star	2	
0031-0035.BIAS	0	1:09	20:28:01.7	+31:28:47	300	90	3.0	#122 Halo Star	2	
0036-0041.FLAT	12	1:13	20:32:26.7	+31:28:46	300	90	3.0	#122 Halo Star	2	
0042-0045.FLAT	12	1:15	20:34:06.1	+31:28:45	300	90	3.0	#122 Halo Star	2	
0046.BDp284211	120	1:43	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	terrible seeing
0047.COMP	5	1:45	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0048.BDp284211	120	1:46	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0049.COMP	12	1:49	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0050.BDp284211	100	1:50	21:48:57.1	28:37:48	300	109	3.0	#56 Spectropho	2	
0051.COMP	12	1:52	21:48:57.1	28:37:48	300	109	3.0	#56 Spectropho	2	
0052.N7331	120	1:54	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0053.COMP	12	1:56	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0054.HAT19920081	300	2:21	19:50:4.7	35:21:7	300	90	3.0	#126 TOO GRB A	2	

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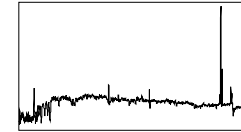
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0055.COMP	12	2:27	19:50:4.7	35:21:7	300	90	3.0	#126 TOO GRB A	2	
0056.V0461Lyr	420	2:29	19:27:55.2	41:33:33	300	90	3.0	#126 TOO GRB A	2	
0057.COMP	12	2:37	19:27:55.2	41:33:33	300	90	3.0	#126 TOO GRB A	2	
0058.sn2004et	480	3:03	20:35:25.4	60:07:17	300	-36	3.0	#2 SN Observat	2	
0059.COMP	12	3:11	20:35:25.4	60:07:17	300	-36	3.0	#2 SN Observat	2	
0060.BDp174708	30	3:21	22:11:31.4	18:05:34	300	23	3.0	#56 Spectropho	2	
0061.COMP	12	3:22	22:11:31.4	18:05:34	300	23	3.0	#56 Spectropho	2	
0062.2M00101820p3925411	330	3:33	00:10:18.2	+39:25:41	300	90	3.0	#141 Mapping t	2	
0063.COMP	12	3:39	00:10:18.2	+39:25:41	300	90	3.0	#141 Mapping t	2	
0064.2M00134476p1436253	600	3:44	00:13:44.7	+14:36:25	300	90	3.0	#141 Mapping t	4	
0065.COMP	5	3:54	00:13:44.7	+14:36:25	300	90	3.0	#141 Mapping t	4	
0066.2M00154643p7313121	900	3:59	00:15:46.4	+73:13:11	300	90	3.0	#141 Mapping t	4	
0067.COMP	5	4:15	00:15:46.4	+73:13:11	300	90	3.0	#141 Mapping t	4	
0068.ZAnd	2	4:22	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0069.ZAnd	10	4:23	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0070.ZAnd	60	4:24	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0071.COMP	12	4:25	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0072.COMP	5	4:33	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0073.BDp174708	60	4:45	22:11:31.4	18:05:34	600	90	2.0	#122 Halo Star	4	600L, 2arcsec, tilt=440
0074.COMP	10	4:48	22:11:31.4	18:05:34	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
0075.hs3016	500	4:57	0:01:32.9	22:58:26	600	90	2.0	#122 Halo Star	4	
0076.COMP	10	5:06	0:01:32.9	22:58:26	600	90	2.0	#122 Halo Star	4	
0077.hs3017	292	5:08	0:01:59.2	25:01:07	600	90	2.0	#122 Halo Star	4	
0078.COMP	10	5:13	0:01:59.2	25:01:07	600	90	2.0	#122 Halo Star	4	
0079.hs3018	396	5:14	0:02:19.3	20:23:17	600	90	2.0	#122 Halo Star	4	
0080.COMP	10	5:21	0:02:19.3	20:23:17	600	90	2.0	#122 Halo Star	4	
0081.hs3019	186	5:22	0:02:25.5	25:36:02	600	90	2.0	#122 Halo Star	4	
0082.COMP	10	5:26	0:02:25.5	25:36:02	600	90	2.0	#122 Halo Star	4	
0083.hs3020	320	5:27	0:02:32.1	22:34:42	600	90	2.0	#122 Halo Star	4	
0084.COMP	10	5:40	0:02:32.1	22:34:42	600	90	2.0	#122 Halo Star	4	wait out clouds...
0085.hs3021	294	6:38	0:02:50.9	25:51:51	600	90	2.0	#122 Halo Star	4	
0086.COMP	10	6:43	0:02:50.9	25:51:51	600	90	2.0	#122 Halo Star	4	
0087.hs3022	366	7:38	0:02:55.3	20:33:37	600	90	2.0	#122 Halo Star	4	
0088.COMP	10	7:44	0:02:55.3	20:33:37	600	90	2.0	#122 Halo Star	4	
0089.hs3432	450	7:45	2:10:30.5	18:52:39	600	90	2.0	#122 Halo Star	4	
0090.COMP	10	7:53	2:10:30.5	18:52:39	600	90	2.0	#122 Halo Star	4	
0091.hs3433	324	7:54	2:10:45.7	21:40:50	600	90	2.0	#122 Halo Star	4	
0092.COMP	10	8:00	2:10:45.7	21:40:50	600	90	2.0	#122 Halo Star	4	
0093.hs3434	198	8:01	2:13:35.7	18:01:02	600	90	2.0	#122 Halo Star	4	
0094.COMP	10	8:05	2:13:35.7	18:01:02	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
0095.hs3435	240	8:06	2:13:47.7	19:28:35	600	90	2.0	#122 Halo Star	4	
0096.COMP	10	8:10	2:13:47.7	19:28:35	600	90	2.0	#122 Halo Star	4	
0097.hs3436	900	8:12	2:13:52.1	18:56:58	600	90	2.0	#122 Halo Star	4	
0098.COMP	10	8:27	2:13:52.1	18:56:58	600	90	2.0	#122 Halo Star	4	
0099.hs3437	528	8:28	2:15:59.7	22:24:57	600	90	2.0	#122 Halo Star	4	
0100.COMP	10	8:37	2:15:59.7	22:24:57	600	90	2.0	#122 Halo Star	4	
0101.hs3438	174	8:38	2:16:57.3	22:01:23	600	90	2.0	#122 Halo Star	4	
0102.COMP	10	8:41	2:16:57.3	22:01:23	600	90	2.0	#122 Halo Star	4	
0103.hs3439	452	8:42	2:17:19.5	22:28:20	600	90	2.0	#122 Halo Star	4	
0104.COMP	10	8:50	2:17:19.5	22:28:20	600	90	2.0	#122 Halo Star	4	
0105.hs3440	282	8:51	2:17:20.2	21:29:11	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	8:56	2:17:20.2	21:29:11	600	90	2.0	#122 Halo Star	4	
0107.hs3441	240	8:57	2:17:40.2	15:34:13	600	90	2.0	#122 Halo Star	4	
0108.COMP	10	9:01	2:17:40.2	15:34:13	600	90	2.0	#122 Halo Star	4	
0109-0118.FLAT	24	9:08	2:17:40.2	15:34:13	600	90	2.0	#122 Halo Star	4	
0119.sn2004fd	900	9:25	02:43:15.2	32:25:25	300	84	3.0	#2 SN Observat	2	combo... SN buried in nucleus.
0120.COMP	12	9:41	02:43:15.2	32:25:25	300	84	3.0	#2 SN Observat	2	
0121.1630.012901	30	9:43	02:28:10.3	+73:02:19	300	90	3.0	#154 PMS Lynds	2	
0122.COMP	12	9:44	02:28:10.3	+73:02:19	300	90	3.0	#154 PMS Lynds	2	
0123.1630.012899	420	9:47	02:28:06.7	+73:02:25	300	40	3.0	#154 PMS Lynds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0124.COMP	12	9:55	02:28:06.7	+73:02:25	300	40	3.0	#154 PMS Lynds	2	
0125.Akn120	360	9:58	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0126.COMP	12	10:04	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0127.Hiltner600	50	10:08	06:42:37.2	02:11:25	300	-30	3.0	#56 Spectropho	2	
0128.COMP	12	10:09	06:42:37.2	02:11:25	300	-30	3.0	#56 Spectropho	2	
0129.G191B2B	120	10:15	05:01:31.5	52:45:52	300	-16	3.0	#56 Spectropho	2	
0130.COMP	12	10:17	05:01:31.5	52:45:52	300	-16	3.0	#56 Spectropho	2	
0131.NGC1700	240	10:21	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0132.COMP	12	10:26	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0133.2M03101322p4250169	1200	10:33	03:10:13.2	+42:50:17	300	110	3.0	#141 Mapping t	2	seeing 3-4 arcsec!
0134.COMP	12	10:54	03:10:13.2	+42:50:17	300	110	3.0	#141 Mapping t	2	
0135.2M03104014p2017156	1020	10:56	03:10:40.1	+20:17:15	300	90	3.0	#141 Mapping t	2	
0136.COMP	12	11:13	03:10:40.1	+20:17:15	300	90	3.0	#141 Mapping t	2	
0137.2M07592061p0859483	1020	11:19	07:59:20.6	+08:59:48	300	90	3.0	#141 Mapping t	2	
0138.COMP	12	11:36	07:59:20.6	+08:59:48	300	90	3.0	#141 Mapping t	2	
0139.2M07585370p0259325	660	11:41	07:58:53.7	+02:59:32	300	90	3.0	#141 Mapping t	2	
0140.COMP	12	11:52	07:58:53.7	+02:59:32	300	90	3.0	#141 Mapping t	2	more clouds...
0141.BXMon	15	12:18	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0142.BXMon	180	12:21	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0143.COMP	12	12:24	7:25:23	-03:35:51	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
0144.082136-00090	480	12:30	08:24:10.0	-00:19:13	300	90	3.0	#84f Updated Z	2	
0145.COMP	12	12:39	08:24:10.0	-00:19:13	300	90	3.0	#84f Updated Z	2	
0146.082536+30350	450	12:40	08:28:43.8	+30:24:20	300	90	3.0	#84f Updated Z	2	
0147.COMP	12	12:48	08:28:43.8	+30:24:20	300	90	3.0	#84f Updated Z	2	
0148-0157.BIAS	0	12:52	08:28:43.8	+30:24:20	300	90	3.0	#141 Mapping t	4	
0158-0167.FLAT	6	12:56	08:28:43.8	+30:24:20	300	90	3.0	#141 Mapping t	4	
0168-0177.BIAS	0	13:00	08:28:43.8	+30:24:20	300	90	3.0	#141 Mapping t	2	
0178-0187.FLAT	12	13:05	08:28:43.8	+30:24:20	300	90	3.0	#141 Mapping t	2	
0188-0197.DARK	900	15:34	08:28:43.8	+30:24:20	300	90	3.0	#141 Mapping t	2	