

UT Date 2004-11-02 Observers A Sicilia-AguilarColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	22:54	18:16:43.8	+31:29:40	300	90	3.0	#141 Mapping t	4	test comp
0002.DARK	900	23:11	18:48:15.0	+31:29:26	300	90	3.0	#141 Mapping t	4	
0003.DARK	900	23:26	19:03:21.7	+31:29:20	300	90	3.0	#141 Mapping t	4	
0004.DARK	900	23:41	19:18:32.4	+31:29:14	300	90	3.0	#141 Mapping t	4	
0005.DARK	900	23:56	19:33:42.8	+31:29:08	300	90	3.0	#141 Mapping t	4	
0006-0015.BIAS	0	0:13	19:35:14.7	+31:29:07	300	90	3.0	#141 Mapping t	4	
0016-0018.FLAT	8	0:13	19:36:19.1	+31:29:07	300	90	3.0	#141 Mapping t	4	
0019-0025.FLAT	8	0:16	19:38:38.4	+31:29:06	300	90	3.0	#141 Mapping t	4	
0026.BIAS	0	0:16	19:38:55.5	+31:29:06	300	90	3.0	#141 Mapping t	2	
0027-0035.BIAS	0	0:18	19:40:52.4	+31:29:05	300	90	3.0	#141 Mapping t	2	
0036.FLAT	16	0:19	19:41:27.8	+31:29:05	300	90	3.0	#141 Mapping t	2	
0037-0040.FLAT	16	0:21	19:43:50.4	+31:29:04	300	90	3.0	#141 Mapping t	2	
0041-0044.FLAT	16	0:23	19:46:09.6	+31:29:03	300	90	3.0	#141 Mapping t	2	
0045.FLAT	16	0:24	19:46:47.8	+31:29:02	300	90	3.0	#141 Mapping t	2	
0046.sky	2	0:47	20:10:00.1	+31:28:54	300	90	3.0	#57 velocity s	4	bad
0047-0051.sky	2	0:50	20:12:48.8	+31:28:53	300	90	3.0	#57 velocity s	4	
0052.sky	2	0:51	20:13:24.2	+31:28:52	300	90	3.0	#57 velocity s	4	
0053.COMP	5	0:52	20:14:29.2	+31:28:52	300	90	3.0	#57 velocity s	4	
0054.HAT19920081	180	1:45	19:50:4.7	35:21:7	300	90	3.0	#126 GRB	4	binby4
0055.COMP	5	1:49	19:50:4.7	35:21:7	300	90	3.0	#126 GRB	4	

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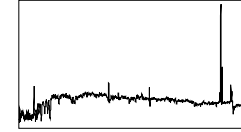
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0056.HAT19920081	240	1:51	19:50:4.7	35:21:7	300	90	3.0	#126 GRB	2	binby2
0057.COMP	10	1:56	19:50:4.7	35:21:7	300	90	3.0	#126 GRB	2	
0057.COMP.ms	5	1:10	2:10:00	32:00:00	300	90	3.0	#57 Velocity S	1	
0058.V0461Lyr	240	2:01	19:27:55.2	41:33:33	300	90	3.0	#126 GRB	2	
0059.COMP	10	2:05	19:27:55.2	41:33:33	300	90	3.0	#126 GRB	2	
0060.V0461Lyr	600	2:09	19:27:55.2	41:33:33	300	90	3.0	#126 GRB	2	
0061.COMP	10	2:19	19:27:55.2	41:33:33	300	90	3.0	#126 GRB	2	
0062.BDp284211	90	2:26	21:48:57.1	28:37:48	300	23	3.0	#56 Spectropho	2	PA 23, blue std
0063.COMP	10	2:29	21:48:57.1	28:37:48	300	23	3.0	#56 Spectropho	2	
0064.BDp174708	45	2:37	22:11:31.4	18:05:34	300	-14	3.0	#56 Spectropho	2	PA -14, red std
0065.COMP	10	2:38	22:11:31.4	18:05:34	300	-14	3.0	#56 Spectropho	2	
0066.sn2004et	480	2:55	20:35:25.4	60:07:17	300	-40	3.0	#2 SN Observat	2	PA -40
0067.COMP	10	3:03	20:35:25.4	60:07:17	300	-40	3.0	#2 SN Observat	2	
0068.V1057_Cyg	300	3:16	20:58:53.7	+44:15:28	300	90	3.0	#89 Herbig Ae/	2	
0069.COMP	10	3:21	20:58:53.7	+44:15:28	300	90	3.0	#89 Herbig Ae/	2	
0070.V1515_Cyg	300	3:25	20:23:47.6	+42:12:24	300	90	3.0	#89 Herbig Ae/	2	
0071.COMP	10	3:30	20:23:47.6	+42:12:24	300	90	3.0	#89 Herbig Ae/	2	
0072.Akn564	180	3:37	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0073.Akn564	180	3:40	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0074.COMP	10	3:43	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0075.N7469	120	3:49	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0076.N7469	120	3:51	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0077.COMP	10	3:54	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0078.158m213	420	3:59	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	2	Located at 76, not bright star near edge
0079.COMP	10	4:06	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	2	
0080.163m217	600	4:11	00:40:33.3	+41:11:20	300	90	3.0	#57 Velocity S	2	
0081.COMP	10	4:22	00:40:33.3	+41:11:20	300	90	3.0	#57 Velocity S	2	
0082.2M00192085p0636553	900	4:46	00:19:20.8	+06:36:55	300	90	3.0	#141 Mapping t	2	
0083.COMP	10	5:02	00:19:20.8	+06:36:55	300	90	3.0	#141 Mapping t	2	
0084.COMP	5	5:58	00:24:16.6	+37:01:04	600	90	2.0	#test	4	change gratings, test
0085.BIAS	0	6:10	00:24:16.6	+37:01:04	600	90	2.0	#test	4	binby4,Warren program
0086-0094.BIAS	0	6:11	00:24:16.6	+37:01:04	600	90	2.0	#test	4	
0095-0104.FLAT	24	8:19	00:24:16.6	+37:01:04	600	90	2.0	#122 Halo Star	4	
0105.hs3442	300	8:48	2:18:15.7	18:31:38	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	8:54	2:18:15.7	18:31:38	600	90	2.0	#122 Halo Star	4	
0107.hs3443	540	8:57	2:18:16.0	20:03:59	600	90	2.0	#122 Halo Star	4	
0108.COMP	10	9:06	2:18:16.0	20:03:59	600	90	2.0	#122 Halo Star	4	
0109.hs3444	420	9:12	2:21:57.1	16:59:31	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	9:19	2:21:57.1	16:59:31	600	90	2.0	#122 Halo Star	4	
0111.Hiltner600	45	9:36	06:42:37.2	02:11:25	600	-40	2.0	#56 Spectropho	4	Red std, PA -40

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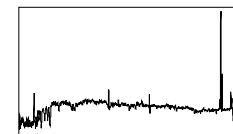
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0112.COMP	10	9:37	06:42:37.2	02:11:25	600	-40	2.0	#56 Spectropho	4	
0113.G191B2B	150	9:51	05:01:31.5	52:45:52	600	-4	2.0	#56 Spectropho	4	Blue std, PA -4
0114.COMP	10	9:55	05:01:31.5	52:45:52	600	-4	2.0	#56 Spectropho	4	
0115.hs3446	300	10:06	2:23:04.4	16:01:16	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	10:12	2:23:04.4	16:01:16	600	90	2.0	#122 Halo Star	4	
0117.hs3447	300	10:16	2:24:09.3	17:04:19	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	10:21	2:24:09.3	17:04:19	600	90	2.0	#122 Halo Star	4	
0119.hs3451	180	10:26	2:27:32.6	19:58:46	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	10:30	2:27:32.6	19:58:46	600	90	2.0	#122 Halo Star	4	
0121.hs3546	240	10:38	2:41:07.3	14:39:20	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	10:43	2:41:07.3	14:39:20	600	90	2.0	#122 Halo Star	4	
0123.hs3550	240	10:47	2:45:38.8	13:25:55	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	10:52	2:45:38.8	13:25:55	600	90	2.0	#122 Halo Star	4	
0125.hs3551	240	10:55	2:45:47.6	13:11:23	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	10:59	2:45:47.6	13:11:23	600	90	2.0	#122 Halo Star	4	
0127.hs3602	360	11:03	3:15:50.0	11:54:02	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	11:10	3:15:50.0	11:54:02	600	90	2.0	#122 Halo Star	4	
0129.hs3603	540	11:13	3:16:14.3	13:38:55	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	11:22	3:16:14.3	13:38:55	600	90	2.0	#122 Halo Star	4	
0131.hs3632	240	11:26	3:22:56.7	11:17:14	600	90	2.0	#122 Halo Star	4	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0132.COMP	10	11:31	3:22:56.7	11:17:14	600	90	2.0	#122 Halo Star	4	
0133.hs3775	240	11:40	4:02:47.0	2:49:08	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	11:45	4:02:47.0	2:49:08	600	90	2.0	#122 Halo Star	4	
0135.hs3782	420	11:48	4:08:18.6	0:32:41	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	11:56	4:08:18.6	0:32:41	600	90	2.0	#122 Halo Star	4	
0137-0146.BIAS	0	12:07	4:08:18.6	0:32:41	600	90	2.0	#122 Halo Star	4	
0147-0156.FLAT	24	12:13	4:08:18.6	0:32:41	600	90	2.0	#122 Halo Star	4	
0157-0166.DARK	900	14:39	4:08:18.6	0:32:41	600	90	2.0	#122 Halo Star	4	
ewloq	240	10:47	2:45:38.8	13:25:55	600	90	2.0	#122 Halo Star	1	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	12	22:52	4:08:18.6	0:32:41	300	90	3.0	#57 Velocity S	2	testing lines
0002.COMP	12	22:58	4:08:18.6	0:32:41	300	90	3.0	#57 Velocity S	2	
0003.COMP	12	23:01	4:08:18.6	0:32:41	300	90	3.0	#57 Velocity S	2	
0004.COMP	12	23:05	4:08:18.6	0:32:41	300	90	3.0	#57 Velocity S	2	
0005.BIAS	0	23:08	4:08:18.6	0:32:41	300	90	3.0	none	2	bin by 2
0006-0014.BIAS	0	23:10	4:08:18.6	0:32:41	300	90	3.0	none	2	
0015.FLAT	12	23:13	4:08:18.6	0:32:41	300	90	3.0	none	2	bin by 2
0016-0024.FLAT	12	23:17	4:08:18.6	0:32:41	300	90	3.0	none	2	
0025-0029.DARK	900	0:31	4:08:18.6	0:32:41	300	90	3.0	none	2	
0030.sky	2	0:50	4:08:18.6	0:32:41	300	90	3.0	#57 Velocity S	2	bad one
0031.sky	2	0:52	4:08:18.6	0:32:41	300	90	3.0	#57 Velocity S	2	good
0032-0041.sky	2	0:55	4:08:18.6	0:32:41	300	90	3.0	#57 Velocity S	2	
0042.COMP	10	0:55	4:08:18.6	0:32:41	300	90	3.0	#57 Velocity S	2	
0043.BDp284211	90	1:21	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0044.BDp284211	90	1:23	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0045.BDp284211	90	1:25	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0046.COMP	10	1:27	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0047.BDp174708	45	1:35	22:11:31.4	18:05:34	300	-40	3.0	#56 Spectropho	2	
0048.BDp174708	45	1:36	22:11:31.4	18:05:34	300	-40	3.0	#56 Spectropho	2	
0049.COMP	10	1:38	22:11:31.4	18:05:34	300	-40	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0050.CICyg	2	1:47	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0051.CICyg	20	1:47	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0052.CICyg	60	1:48	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0053.COMP	10	1:49	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0054.ZAnd	2	1:58	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0055.ZAnd	10	1:59	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0056.ZAnd	60	1:59	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0057.COMP	10	2:01	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0058.N7331	180	2:07	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0059.COMP	10	2:10	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0060.sn2004ef	1200	2:21	22:42:10.0	+19:59:40	300	90	3.0	#2 SN Observat	2	
0061.COMP	10	2:42	22:42:10.0	+19:59:40	300	90	3.0	#2 SN Observat	2	
0062.158m213	540	2:50	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	2	
0063.COMP	10	3:00	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	2	
0064.sn2004fe	1200	3:11	00:30:11.2	+02:05:23	300	90	3.0	#2 SN Observat	2	
0065.COMP	10	3:32	00:30:11.2	+02:05:23	300	90	3.0	#2 SN Observat	2	
0066.2M00293951p1142590	1200	3:52	00:29:39.5	+11:42:58	300	90	3.0	#141 Mapping t	2	
0067.COMP	10	4:12	00:29:39.5	+11:42:58	300	90	3.0	#141 Mapping t	2	
0068.2M00241667p3701045	1200	4:19	00:24:16.6	+37:01:04	300	90	3.0	#141 Mapping t	2	
0069.COMP	10	4:40	00:24:16.6	+37:01:04	300	90	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0070.2M00452838p4521593	1200	4:43	00:45:28.3	+45:21:59	300	90	3.0	#141 Mapping t	2	
0071.COMP	10	5:04	00:45:28.3	+45:21:59	300	90	3.0	#141 Mapping t	2	
0072.2M00524920p3420348	1200	5:08	00:52:49.2	+34:20:34	300	90	3.0	#141 Mapping t	2	
0073.COMP	10	5:28	00:52:49.2	+34:20:34	300	90	3.0	#141 Mapping t	2	
0074.2M01050445p2703192	1200	5:32	01:05:04.4	+27:03:18	300	90	3.0	#141 Mapping t	2	
0075.COMP	10	5:53	01:05:04.4	+27:03:18	300	90	3.0	#141 Mapping t	2	
0076.2M01361690p2313407	1200	5:56	01:36:16.9	+23:13:40	300	90	3.0	#141 Mapping t	2	
0077.COMP	10	6:17	01:36:16.9	+23:13:40	300	90	3.0	#141 Mapping t	2	
0078.2M01375592p2732137	1200	6:20	01:37:55.9	+27:32:13	300	90	3.0	#141 Mapping t	2	
0079.COMP	10	6:41	01:37:55.9	+27:32:13	300	90	3.0	#141 Mapping t	2	
0080.2M01460885p2326203	1200	6:45	01:46:08.8	+23:26:20	300	90	3.0	#141 Mapping t	2	
0081.COMP	10	7:05	01:46:08.8	+23:26:20	300	90	3.0	#141 Mapping t	2	
0082.2M01504311p2650111	1200	7:09	01:50:43.1	+26:50:11	300	90	3.0	#141 Mapping t	2	
0083.COMP	10	7:29	01:50:43.1	+26:50:11	300	90	3.0	#141 Mapping t	2	
0084.2M01545256p2832330	900	7:32	01:54:52.5	+28:32:33	300	90	3.0	#141 Mapping t	2	
0085.COMP	10	7:47	01:54:52.5	+28:32:33	300	90	3.0	#141 Mapping t	2	
0086.2M01552713p4130237	1200	7:52	01:55:27.1	+41:30:23	300	90	3.0	#141 Mapping t	2	
0087.COMP	10	8:12	01:55:27.1	+41:30:23	300	90	3.0	#141 Mapping t	2	
0088.2M02030758p4628384	1500	8:17	02:03:07.6	+46:28:38	300	90	3.0	#141 Mapping t	2	
0089.COMP	10	8:42	02:03:07.6	+46:28:38	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
0090.Akn120	300	8:55	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0091.COMP	10	9:01	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0092.AXPer	4	9:14	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0093.AXPer	30	9:15	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0094.AXPer	90	9:16	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0095.COMP	10	9:18	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0096.Ori124	150	9:31	5:54:36.3	-3:12:31	300	90	3.0	#89 Ae/Be star	2	Saturated
0097.COMP	10	9:34	5:54:36.3	-3:12:31	300	90	3.0	#89 Ae/Be star	2	
0098.Ori124	30	9:35	5:54:36.3	-3:12:31	300	90	3.0	#89 Ae/Be star	2	
0099.Ori124	15	9:36	5:54:36.3	-3:12:31	300	90	3.0	#89 Ae/Be star	2	
0100.COMP	10	9:36	5:54:36.3	-3:12:31	300	90	3.0	#89 Ae/Be star	2	
0101.Ori125	120	9:39	5:55:3.1	-0:11:35	300	90	3.0	#89 Ae/Be star	2	
0102.COMP	10	9:42	5:55:3.1	-0:11:35	300	90	3.0	#89 Ae/Be star	2	
0103.Ori126	45	9:45	5:56:51.6	-1:9:52	300	90	3.0	#89 Ae/Be star	2	
0104.COMP	10	9:46	5:56:51.6	-1:9:52	300	90	3.0	#89 Ae/Be star	2	
0105.Ori126	20	9:47	5:56:51.6	-1:9:52	300	90	3.0	#89 Ae/Be star	2	
0106.COMP	10	9:47	5:56:51.6	-1:9:52	300	90	3.0	#89 Ae/Be star	2	
0107.Ori127	45	9:50	5:57:37.2	0:13:44	300	90	3.0	#89 Ae/Be star	2	
0108.COMP	10	9:51	5:57:37.2	0:13:44	300	90	3.0	#89 Ae/Be star	2	
0109.Ori128	120	9:54	5:59:50.7	-5:9:6	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
0110.COMP	10	9:57	5:59:50.7	-5:9:6	300	90	3.0	#89 Ae/Be star	2	
0111.XS00095B6_003	90	10:03	06:22:59.5	-00:26:47	300	90	3.0	#152 ChaMPlane	2	
0112.COMP	10	10:05	06:22:59.5	-00:26:47	300	90	3.0	#152 ChaMPlane	2	
0113.XS00095B6_007	90	10:08	06:22:59.2	-00:28:13	300	90	3.0	#152 ChaMPlane	2	
0114.COMP	10	10:10	06:22:59.2	-00:28:13	300	90	3.0	#152 ChaMPlane	2	
0115.XS00095B6_010	600	10:13	06:22:40.0	-00:26:52	300	90	3.0	#152 ChaMPlane	2	
0116.COMP	10	10:23	06:22:40.0	-00:26:52	300	90	3.0	#152 ChaMPlane	2	
0117.XS00095B6_013	720	10:26	06:22:47.7	-00:27:08	300	90	3.0	#152 ChaMPlane	2	
0118.COMP	10	10:40	06:22:47.7	-00:27:08	300	90	3.0	#152 ChaMPlane	2	
0119.cvso-10202	900	10:46	05:03:04.2	-00:05:34	300	90	3.0	#112 Orion PMS	2	
0120.COMP	10	11:01	05:03:04.2	-00:05:34	300	90	3.0	#112 Orion PMS	2	
0121.cvso-10262	900	11:03	05:03:09.2	+00:15:56	300	90	3.0	#112 Orion PMS	2	
0122.COMP	10	11:18	05:03:09.2	+00:15:56	300	90	3.0	#112 Orion PMS	2	
0123.cvso-10931	900	11:20	05:04:13.3	-00:05:02	300	90	3.0	#112 Orion PMS	2	
0124.COMP	10	11:36	05:04:13.3	-00:05:02	300	90	3.0	#112 Orion PMS	2	
0125.cvso-13865	900	11:38	05:09:02.9	+00:05:52	300	90	3.0	#112 Orion PMS	2	
0126.COMP	10	11:53	05:09:02.9	+00:05:52	300	90	3.0	#112 Orion PMS	2	
0127.cvso-14387	900	11:55	05:09:52.1	+00:13:01	300	90	3.0	#112 Orion PMS	2	
0128.COMP	10	12:11	05:09:52.1	+00:13:01	300	90	3.0	#112 Orion PMS	2	
0129.G191B2B	45	12:27	05:01:31.5	52:45:52	300	90	3.0	#56 Spectropho	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0130.COMP	10	12:28	05:01:31.5	52:45:52	300	90	3.0	#56 Spectropho	2	
0131.Hiltner600	45	12:40	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0132.COMP	10	12:41	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0133-0142.BIAS	0	12:51	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0143-0152.FLAT	10	12:55	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0153-0162.DARK	900	15:22	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	20:57	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0011.COMP	10	20:59	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	test
0012-0021.FLAT	12	21:04	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0022-0031.DARK	900	23:23	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0032.BIAS	0	23:58	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	binby4
0033-0041.BIAS	0	23:59	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0042.FLAT	8	23:59	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	binby4
0043-0051.FLAT	8	0:02	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0052.BIAS	0	0:02	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	binby2
0053-0061.BIAS	0	0:04	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0062.FLAT	16	0:05	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	binby2
0063-0071.FLAT	16	0:10	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0072.sky	2	0:46	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	2	
0073-0077.sky	3	0:48	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	2	
0078-0082.sky	4	0:50	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	2	
0083.COMP	10	0:51	06:42:37.2	02:11:25	300	90	3.0	#57 Velocity S	2	
0084.BDp284211	90	1:37	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0085.BDp284211	90	1:38	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0086.COMP	10	1:41	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0087.BDp174708	45	1:46	22:11:31.4	18:05:34	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
0088.BDp174708	45	1:47	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0089.COMP	10	1:48	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0090.sn2004et	480	2:01	20:35:25.4	60:07:17	300	-24	3.0	#2 SN Observat	2	PA=-24
0091.COMP	10	2:09	20:35:25.4	60:07:17	300	-24	3.0	#2 SN Observat	2	
0092.sn2004fe	1200	2:25	00:30:11.2	+02:05:23	300	90	3.0	#2 SN Observat	2	
0093.COMP	10	2:45	00:30:11.2	+02:05:23	300	90	3.0	#2 SN Observat	2	
0094.N7331	180	2:54	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0095.COMP	10	2:57	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0096.Akn564	180	3:02	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0097.Akn564	180	3:05	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0098.COMP	10	3:08	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0099.N7469	120	3:14	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0100.N7469	120	3:16	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0101.COMP	10	3:19	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0102.2572-01	900	3:27	23:17:40.3	+18:24:37	300	90	3.0	#64 Galaxy For	2	
0103.COMP	10	3:43	23:17:40.3	+18:24:37	300	90	3.0	#64 Galaxy For	2	
0104.2572-02	1200	3:45	23:16:45.1	+18:24:43	300	90	3.0	#64 Galaxy For	2	bright one near center
0105.COMP	10	4:06	23:16:45.1	+18:24:43	300	90	3.0	#64 Galaxy For	2	
0106.2572-03	1200	4:09	23:17:35.1	+18:34:23	300	90	3.0	#64 Galaxy For	2	
0107.COMP	10	4:29	23:17:35.1	+18:34:23	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
0108.2572-04	1200	4:31	23:15:37.8	+18:35:52	300	90	3.0	#64 Galaxy For	2	
0109.COMP	10	4:52	23:15:37.8	+18:35:52	300	90	3.0	#64 Galaxy For	2	
0110.2572-05	1200	4:53	23:16:55.1	+18:38:06	300	90	3.0	#64 Galaxy For	2	
0111.COMP	10	5:13	23:16:55.1	+18:38:06	300	90	3.0	#64 Galaxy For	2	
0112.2572-06	1200	5:15	23:18:54.1	+18:39:03	300	90	3.0	#64 Galaxy For	2	
0113.COMP	10	5:38	23:18:54.1	+18:39:03	300	90	3.0	#64 Galaxy For	2	
0114.2572-07	1200	5:39	23:19:13.1	+18:40:30	300	90	3.0	#64 Galaxy For	2	
0115.COMP	10	6:00	23:19:13.1	+18:40:30	300	90	3.0	#64 Galaxy For	2	
0116.2572-08	1200	6:03	23:20:21.9	+18:42:31	300	90	3.0	#64 Galaxy For	2	
0117.COMP	10	6:23	23:20:21.9	+18:42:31	300	90	3.0	#64 Galaxy For	2	
0118.158m213	420	6:30	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	2	the one near the center
0119.COMP	10	6:38	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	2	
0120.XS00829B7_004	420	6:47	04:37:22.8	29:38:48	300	90	3.0	#152 ChaMPlane	2	
0121.COMP	10	6:55	04:37:22.8	29:38:48	300	90	3.0	#152 ChaMPlane	2	
0122.XS00829B8_001	300	6:58	04:36:41.6	29:51:25	300	90	3.0	#152 ChaMPlane	2	
0123.COMP	10	7:04	04:36:41.6	29:51:25	300	90	3.0	#152 ChaMPlane	2	
0124.XS02219B0_002	240	7:08	04:49:28.9	45:01:35	300	90	3.0	#152 ChaMPlane	2	
0125.COMP	10	7:12	04:49:28.9	45:01:35	300	90	3.0	#152 ChaMPlane	2	
0126.XS02219B1_002	300	7:14	04:49:54.7	45:11:32	300	90	3.0	#152 ChaMPlane	2	
0127.COMP	10	7:20	04:49:54.7	45:11:32	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
0128.XS02218B7_008	360	7:26	04:48:49.0	45:02:35	300	90	3.0	#152 ChaMPlane	2	
0129.COMP	10	7:32	04:48:49.0	45:02:35	300	90	3.0	#152 ChaMPlane	2	
0130.XS00650B7_061	1200	7:37	03:31:08.7	43:59:02	300	90	3.0	#152 ChaMPlane	2	
0131.COMP	10	7:58	03:31:08.7	43:59:02	300	90	3.0	#152 ChaMPlane	2	
0132.XS00650B6_005	900	8:00	03:31:02.5	43:47:59	300	90	3.0	#152 ChaMPlane	2	
0133.COMP	10	8:16	03:31:02.5	43:47:59	300	90	3.0	#152 ChaMPlane	2	
0134.XS00650B6_025	720	8:18	03:31:23.7	43:45:48	300	70	3.0	#152 ChaMPlane	2	
0135.COMP	10	8:31	03:31:23.7	43:45:48	300	70	3.0	#152 ChaMPlane	2	
0136.cvso-15428	600	8:42	05:11:23.8	+00:08:24	300	90	3.0	#112 Orion PMS	2	
0137.COMP	10	8:52	05:11:23.8	+00:08:24	300	90	3.0	#112 Orion PMS	2	
0138.cvso-17205	600	8:54	05:13:52.7	+00:08:37	300	90	3.0	#112 Orion PMS	2	
0139.COMP	10	9:04	05:13:52.7	+00:08:37	300	90	3.0	#112 Orion PMS	2	
0140.cvso-18770	600	9:07	05:16:00.6	-00:14:00	300	90	3.0	#112 Orion PMS	2	
0141.COMP	10	9:17	05:16:00.6	-00:14:00	300	90	3.0	#112 Orion PMS	2	
0142.cvso-19827	600	9:20	05:17:21.7	-00:14:26	300	90	3.0	#112 Orion PMS	2	
0143.COMP	10	9:30	05:17:21.7	-00:14:26	300	90	3.0	#112 Orion PMS	2	
0144.cvso-21587	600	9:34	05:00:03.3	+01:35:21	300	90	3.0	#112 Orion PMS	2	
0145.COMP	10	9:44	05:00:03.3	+01:35:21	300	90	3.0	#112 Orion PMS	2	
0146.cvso-22863	600	9:46	05:21:08.0	+00:04:43	300	90	3.0	#112 Orion PMS	2	
0147.COMP	10	9:57	05:21:08.0	+00:04:43	300	90	3.0	#112 Orion PMS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0148.cvso-23189	600	9:59	05:21:30.8	-00:04:35	300	90	3.0	#112 Orion PMS	2	
0149.COMP	10	10:10	05:21:30.8	-00:04:35	300	90	3.0	#112 Orion PMS	2	
0150.cvso-23899	600	10:11	05:22:24.8	+00:02:34	300	90	3.0	#112 Orion PMS	2	
0151.COMP	10	10:22	05:22:24.8	+00:02:34	300	90	3.0	#112 Orion PMS	2	
0152.cvso-24081	600	10:23	05:22:37.9	-00:06:01	300	90	3.0	#112 Orion PMS	2	
0153.COMP	10	10:34	05:22:37.9	-00:06:01	300	90	3.0	#112 Orion PMS	2	
0154.cvso-24743	600	10:36	05:23:25.6	+00:10:20	300	90	3.0	#112 Orion PMS	2	
0155.COMP	10	10:47	05:23:25.6	+00:10:20	300	90	3.0	#112 Orion PMS	2	
0156.cvso-25442	600	10:48	05:24:07.1	+00:01:48	300	90	3.0	#112 Orion PMS	2	
0157.COMP	10	10:59	05:24:07.1	+00:01:48	300	90	3.0	#112 Orion PMS	2	
0158.cvso-25494	600	11:02	05:03:40.2	+00:28:19	300	90	3.0	#112 Orion PMS	2	
0159.COMP	10	11:13	05:03:40.2	+00:28:19	300	90	3.0	#112 Orion PMS	2	
0160.cvso-25542	600	11:15	05:24:14.1	-00:08:09	300	90	3.0	#112 Orion PMS	2	
0161.COMP	10	11:25	05:24:14.1	-00:08:09	300	90	3.0	#112 Orion PMS	2	
0162.cvso-25688	600	11:27	05:24:25.2	+00:08:51	300	90	3.0	#112 Orion PMS	2	
0163.COMP	10	11:38	05:24:25.2	+00:08:51	300	90	3.0	#112 Orion PMS	2	
0164.cvso-26593	600	11:39	05:05:42.7	+01:38:25	300	90	3.0	#112 Orion PMS	2	
0165.COMP	10	11:50	05:05:42.7	+01:38:25	300	90	3.0	#112 Orion PMS	2	
0166.cvso-26946	600	11:52	05:25:56.6	+00:14:13	300	90	3.0	#112 Orion PMS	2	
0167.COMP	10	12:02	05:25:56.6	+00:14:13	300	90	3.0	#112 Orion PMS	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>
0168.cvso-27050	600	12:04	05:26:03.7	+00:12:45	300	90	3.0	#112 Orion PMS	2	
0169.COMP	10	12:15	05:26:03.7	+00:12:45	300	90	3.0	#112 Orion PMS	2	
0170.cvso-28953	600	12:16	05:28:10.5	-00:14:36	300	90	3.0	#112 Orion PMS	2	
0171.COMP	10	12:26	05:28:10.5	-00:14:36	300	90	3.0	#112 Orion PMS	2	
0172.cvso-29334	600	12:28	05:28:33.4	+00:09:30	300	90	3.0	#112 Orion PMS	2	
0173.COMP	10	12:39	05:28:33.4	+00:09:30	300	90	3.0	#112 Orion PMS	2	
0174.cvso-30398	600	12:41	05:29:48.6	-00:15:33	300	90	3.0	#112 Orion PMS	2	
0175.COMP	10	12:51	05:29:48.6	-00:15:33	300	90	3.0	#112 Orion PMS	2	
0176-0185.BIAS	0	13:01	05:29:48.6	-00:15:33	300	90	3.0	#112 Orion PMS	2	
0186-0195.FLAT	12	13:05	05:29:48.6	-00:15:33	300	90	3.0	#112 Orion PMS	2	
0196-0205.DARK	900	15:32	05:29:48.6	-00:15:33	300	90	3.0	#112 Orion PMS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	22:03	05:29:48.6	-00:15:33	300	90	3.0	#112 Orion PMS	2	binby2
0002-0010.BIAS	0	22:05	05:29:48.6	-00:15:33	300	90	3.0	#112 Orion PMS	2	
0011.COMP	10	22:05	05:29:48.6	-00:15:33	300	90	3.0	#57 Velocity S	2	checking line position and focus, was OK
0012.FLAT	12	22:07	05:29:48.6	-00:15:33	300	90	3.0	none	2	binby2
0013-0021.FLAT	12	22:10	05:29:48.6	-00:15:33	300	90	3.0	none	2	
0022.DARK	900	22:14	05:29:48.6	-00:15:33	300	90	3.0	none	2	binby2
0023-0029.DARK	900	0:00	05:29:48.6	-00:15:33	300	90	3.0	none	2	
0030.BIAS	0	0:28	05:29:48.6	-00:15:33	300	90	3.0	none	2	binby2
0031-0039.BIAS	0	0:30	05:29:48.6	-00:15:33	300	90	3.0	none	2	
0040.FLAT	12	0:32	05:29:48.6	-00:15:33	300	90	3.0	none	2	binby2
0041-0049.FLAT	12	0:35	05:29:48.6	-00:15:33	300	90	3.0	none	2	
0050.sky	2	0:43	05:29:48.6	-00:15:33	300	90	3.0	#57 velocity s	2	bad
0051.sky	5	0:43	05:29:48.6	-00:15:33	300	90	3.0	#57 velocity s	2	good,binby2
0052-0055.sky	5	0:45	05:29:48.6	-00:15:33	300	90	3.0	#57 velocity s	2	
0056.sky	10	0:45	05:29:48.6	-00:15:33	300	90	3.0	#57 velocity s	2	good, binby2
0057-0060.sky	10	0:47	05:29:48.6	-00:15:33	300	90	3.0	#57 velocity s	2	
0061.COMP	10	0:53	05:29:48.6	-00:15:33	300	90	3.0	#57 velocity s	2	
0062.BDp284211	90	1:32	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0063.BDp284211	90	1:33	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0064.BDp284211	90	1:35	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	

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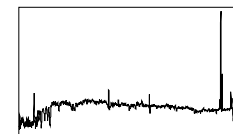
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0065.COMP	10	1:37	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0066.BDp174708	45	1:41	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0067.BDp174708	45	1:42	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0068.BDp174708	45	1:43	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0069.BDp174708	45	1:44	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0070.COMP	10	1:45	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0071.CICyg	2	1:54	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0072.CICyg	20	1:54	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0073.CICyg	60	1:55	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0074.COMP	10	1:56	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0075.ZAnd	2	2:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0076.ZAnd	10	2:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0077.ZAnd	60	2:05	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0078.COMP	10	2:07	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0079.N7331	180	2:13	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0080.COMP	10	2:17	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0081.2572-09	1200	2:24	23:18:21.8	+18:44:10	300	70	3.0	#64 Galaxy For	2	
0082.COMP	10	2:45	23:18:21.8	+18:44:10	300	70	3.0	#64 Galaxy For	2	
0083.2572-10	1200	2:47	23:18:35.6	+18:56:43	300	90	3.0	#64 Galaxy For	2	
0084.COMP	10	3:08	23:18:35.6	+18:56:43	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
0085.2572-11	1200	3:10	23:19:16.0	+18:58:09	300	90	3.0	#64 Galaxy For	2	
0086.COMP	10	3:31	23:19:16.0	+18:58:09	300	90	3.0	#64 Galaxy For	2	
0087.2572-12	1200	3:33	23:20:29.6	+18:59:32	300	90	3.0	#64 Galaxy For	2	
0088.COMP	10	3:53	23:20:29.6	+18:59:32	300	90	3.0	#64 Galaxy For	2	
0089.2572-13	1200	3:55	23:20:28.2	+19:00:33	300	90	3.0	#64 Galaxy For	2	
0090.COMP	10	4:15	23:20:28.2	+19:00:33	300	90	3.0	#64 Galaxy For	2	
0091.2572-14	1200	4:17	23:20:30.2	+19:07:15	300	90	3.0	#64 Galaxy For	2	
0092.COMP	10	4:38	23:20:30.2	+19:07:15	300	90	3.0	#64 Galaxy For	2	
0093.sn2004fe	1200	4:44	00:30:11.2	+02:05:23	300	90	3.0	#2 SN Observat	2	
0094.sn2004fe	1200	5:04	00:30:11.2	+02:05:23	300	90	3.0	#2 SN Observat	2	
0095.COMP	10	5:25	00:30:11.2	+02:05:23	300	90	3.0	#2 SN Observat	2	
0096.2572-15	1200	5:32	23:18:13.0	+19:07:52	300	50	3.0	#64 Galaxy For	2	Rotate to 50
0097.COMP	10	5:54	23:18:13.0	+19:07:52	300	50	3.0	#64 Galaxy For	2	
0098.2572-15	1200	5:56	23:18:13.0	+19:07:52	300	90	3.0	#64 Galaxy For	2	two objects, not sure which one is the right one
0099.COMP	10	6:17	23:18:13.0	+19:07:52	300	90	3.0	#64 Galaxy For	2	
0100.158m213	420	6:22	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	2	bright star appeared at the edge, trying again
0101.COMP	10	6:30	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	2	
0102.158m213	600	6:31	00:40:30.2	+40:50:55	300	70	3.0	#57 Velocity S	2	
0103.COMP	10	6:42	00:40:30.2	+40:50:55	300	70	3.0	#57 Velocity S	2	
0104.163m217	600	7:23	00:40:33.3	+41:11:20	300	90	3.0	#57 Velocity S	2	horrible seeing

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0105.COMP	10	7:34	00:40:33.3	+41:11:20	300	90	3.0	#57 Velocity S	2	
0106.2M02031600p0017554	1200	7:43	02:03:16.0	+00:17:55	300	90	3.0	#141 Mapping t	2	
0107.COMP	10	8:04	02:03:16.0	+00:17:55	300	90	3.0	#141 Mapping t	2	
0108.2M02130581p1733598	1200	8:12	02:13:05.8	+17:34:00	300	90	3.0	#141 Mapping t	2	
0109.COMP	10	8:33	02:13:05.8	+17:34:00	300	90	3.0	#141 Mapping t	2	
0110.2M02142526p4934260	1200	8:43	02:14:25.2	+49:34:26	300	90	3.0	#141 Mapping t	2	clouds
0111.COMP	10	9:03	02:14:25.2	+49:34:26	300	90	3.0	#141 Mapping t	2	
0112.2M02144752p3051374	1200	9:08	02:14:47.5	+30:51:37	300	90	3.0	#141 Mapping t	2	
0113.COMP	10	9:28	02:14:47.5	+30:51:37	300	90	3.0	#141 Mapping t	2	
0114.cvso-30710	1200	9:37	05:30:12.5	-00:07:01	300	90	3.0	#112 Orion PMS	2	
0115.COMP	10	9:57	05:30:12.5	-00:07:01	300	90	3.0	#112 Orion PMS	2	
0116.cvso-30742	1200	9:59	05:30:15.2	+00:12:38	300	90	3.0	#112 Orion PMS	2	
0117.COMP	10	10:20	05:30:15.2	+00:12:38	300	90	3.0	#112 Orion PMS	2	
0118.cvso-30981	900	10:22	05:30:33.0	-00:15:01	300	90	3.0	#112 Orion PMS	2	
0119.COMP	10	10:37	05:30:33.0	-00:15:01	300	90	3.0	#112 Orion PMS	2	
0120.cvso-33376	600	10:39	05:33:31.7	-00:10:04	300	90	3.0	#112 Orion PMS	2	clouds at the end of the exposure
0121.COMP	10	10:49	05:33:31.7	-00:10:04	300	90	3.0	#112 Orion PMS	2	
0122.cvso-33424	900	11:10	05:13:14.5	+01:55:50	300	90	3.0	#112 Orion PMS	2	
0123.COMP	10	11:26	05:13:14.5	+01:55:50	300	90	3.0	#112 Orion PMS	2	
0124.cvso-33818	900	11:28	05:34:12.1	+00:11:47	300	90	3.0	#112 Orion PMS	2	clouds

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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>
0125.COMP	10	11:43	05:34:12.1	+00:11:47	300	90	3.0	#112 Orion PMS	2	
0126.cvso-33818	900	11:45	05:34:12.1	+00:11:47	300	90	3.0	#112 Orion PMS	2	
0127.COMP	10	12:00	05:34:12.1	+00:11:47	300	90	3.0	#112 Orion PMS	2	
0128.cvso-34706	900	12:03	05:35:12.7	-00:03:43	300	90	3.0	#112 Orion PMS	2	lots of clouds
0129.COMP	10	12:19	05:35:12.7	-00:03:43	300	90	3.0	#112 Orion PMS	2	
0130-0139.BIAS	0	12:45	05:14:52.4	+01:54:47	300	90	3.0	#141 Mapping t	2	
0140-0149.FLAT	12	12:53	05:14:52.4	+01:54:47	300	90	3.0	#141 Mapping t	2	

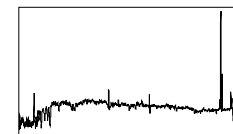
UT Date 2004-11-06 Observers GFColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	1:13	05:14:52.4	+01:54:47	300	90	3.0	#141 Mapping t	4	
0011-0020.FLAT	8	1:16	05:14:52.4	+01:54:47	300	90	3.0	#141 Mapping t	4	
0021-0030.BIAS	0	1:19	05:14:52.4	+01:54:47	300	90	3.0	#141 Mapping t	2	
0031-0040.FLAT	16	1:24	05:14:52.4	+01:54:47	300	90	3.0	#141 Mapping t	2	
0041.COMP	12	2:06	05:14:52.4	+01:54:47	300	90	3.0	#141 Mapping t	2	
0042.COMP	12	2:09	05:14:52.4	+01:54:47	300	90	3.0	#141 Mapping t	2	
0043.BDp284211	120	3:27	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	2	
0058.COMP	12	3:30	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	2	
0059.N7331	300	3:35	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0060.COMP	12	3:42	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	through clouds
0061.M31	60	4:00	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0062.COMP	12	4:01	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	thick clouds
0063.N7469	180	5:47	23:03:15.7	+08:52:27	300	49	3.0	#6 AGN Monitor	4	through clouds
0064.N7469	58	5:50	23:03:15.7	+08:52:27	300	49	3.0	#6 AGN Monitor	4	got clouds, aborted
0065.COMP	5	5:51	23:03:15.7	+08:52:27	300	49	3.0	#6 AGN Monitor	4	
0066.1629.013295	30	6:04	02:28:31.3	+72:57:37	300	90	3.0	#154 PMS Lynds	4	
0067.COMP	5	6:06	02:28:31.3	+72:57:37	300	90	3.0	#154 PMS Lynds	4	
0068.1629.013295	180	6:09	02:28:31.3	+72:57:37	300	90	3.0	#154 PMS Lynds	4	
0069.COMP	5	6:13	02:28:31.3	+72:57:37	300	90	3.0	#154 PMS Lynds	4	
0070.1630.012990	60	6:15	02:29:16.8	+73:05:19	300	90	3.0	#154 PMS Lynds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0071.COMP	5	6:16	02:29:16.8	+73:05:19	300	90	3.0	#154 PMS Lynds	4	
0072.1629.013321	240	6:20	02:29:03.1	+72:59:36	300	90	3.0	#154 PMS Lynds	4	
0073.COMP	5	6:24	02:29:03.1	+72:59:36	300	90	3.0	#154 PMS Lynds	4	
0074.1630.012993	480	8:29	02:29:20.0	+73:04:54	300	-40	3.0	#154 PMS Lynds	4	targets 6 and 7 on the slit
0075.COMP	5	8:39	02:29:20.0	+73:04:54	300	-40	3.0	#154 PMS Lynds	4	
0076.1630.012993	480	8:41	02:29:20.0	+73:04:54	300	-40	3.0	#154 PMS Lynds	2	targets 6 and 7 on the slit
0077.COMP	12	8:49	02:29:20.0	+73:04:54	300	-40	3.0	#154 PMS Lynds	2	
0078.1626.014196	600	8:58	02:28:22.9	+72:37:53	300	90	3.0	#154 PMS Lynds	4	through clouds
0079.COMP	5	9:09	02:28:22.9	+72:37:53	300	90	3.0	#154 PMS Lynds	4	
0080-0089.DARK	900	12:57	05:17:21.7	-00:14:26	300	90	3.0	#112 Orion PMS	4	

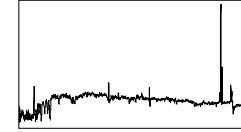




UT Date 2004-11-07 Observers GF

Coll. Focus 1020 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	21:05	05:17:21.7	-00:14:26	300	90	3.0	#112 Orion PMS	2	
0011-0020.BIAS	0	8:13	05:17:21.7	-00:14:26	300	90	3.0	#112 Orion PMS	4	
0021-0030.FLAT	8	8:16	05:17:21.7	-00:14:26	300	90	3.0	#112 Orion PMS	4	
0031-0040.BIAS	0	8:19	05:17:21.7	-00:14:26	300	90	3.0	#112 Orion PMS	2	
0041-0050.FLAT	16	8:24	05:17:21.7	-00:14:26	300	90	3.0	#112 Orion PMS	2	

UT Date 2004-11-09 Observers WestoverColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	0:13	00:08:37.3	29:06:55	300	90	3.0	#112 Orion PMS	4	
0011-0020.FLAT	8	0:16	00:08:37.3	29:06:55	300	90	3.0	#112 Orion PMS	4	
0021-0030.BIAS	0	0:18	00:08:37.3	29:06:55	300	90	3.0	#112 Orion PMS	2	
0031-0040.FLAT	16	0:24	00:08:37.3	29:06:55	300	90	3.0	#112 Orion PMS	2	
0041-0043.sky	15	0:54	18:00:00	31:30:00	300	90	3.0	#57 Velocity S	4	
0044.sky	25	0:55	18:00:00	31:30:00	300	90	3.0	#57 Velocity S	4	
0045.sky	30	0:55	18:00:00	31:30:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	0:56	18:00:00	31:30:00	300	90	3.0	#57 Velocity S	4	
0047.BDp284211	90	2:37	21:51:09.7	+28:51:44	300	90	3.0	#56 Spectropho	2	had to recover from pointing problems
0048.BDp284211	90	2:38	21:51:09.7	+28:51:44	300	90	3.0	#56 Spectropho	2	header probably bad
0049.COMP	10	2:40	21:51:09.7	+28:51:44	300	90	3.0	#56 Spectropho	2	
0050.BDp174708	45	2:44	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0051.BDp174708	45	2:45	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	2:47	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0053.FineFoc	60	2:52	23:03:17.7	31:41:21	300	90	3.0	#56 Spectropho	1	
0054.Akn564	180	3:01	22:42:39.4	+29:43:31	300	43	3.0	#6 AGN Monitor	4	
0055.Akn564	180	3:04	22:42:39.4	+29:43:31	300	43	3.0	#6 AGN Monitor	4	
0056.COMP	5	3:08	22:42:39.4	+29:43:31	300	43	3.0	#6 AGN Monitor	4	
0057.N7469	120	3:14	23:03:15.7	+08:52:27	300	0	3.0	#6 AGN Monitor	4	
0058.N7469	120	3:16	23:03:15.7	+08:52:27	300	0	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0059.COMP	5	3:19	23:03:15.7	+08:52:27	300	0	3.0	#6 AGN Monitor	4	
0060.ZAnd	2	3:26	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0061.ZAnd	10	3:27	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0062.ZAnd	60	3:27	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0063.COMP	10	3:29	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0064.IRAS21202+6835	1500	3:40	21:20:59.2	68:48:28	300	90	3.0	#156 Cepheus P	2	
0065.COMP	10	4:05	21:20:59.2	68:48:28	300	90	3.0	#156 Cepheus P	2	
0066.sn2004fe	1200	4:13	00:30:11.2	+02:05:23	300	-8	3.0	#2 SN Observat	2	row=85
0067.COMP	10	4:34	00:30:11.2	+02:05:23	300	-8	3.0	#2 SN Observat	2	
0068.sn2004fe	1200	4:35	00:30:11.2	+02:05:23	300	0	3.0	#2 SN Observat	2	
0069.COMP	10	4:56	00:30:11.2	+02:05:23	300	0	3.0	#2 SN Observat	2	
0070.MRK335	150	5:00	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0071.MRK335	150	5:03	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0072.COMP	5	5:05	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0073.2M02182864p3439565	420	5:11	02:18:28.6	+34:39:56	300	90	3.0	#141 Mapping t	2	
0074.COMP	10	5:19	02:18:28.6	+34:39:56	300	90	3.0	#141 Mapping t	2	
0075.2M02152013p4132537	480	5:21	02:15:20.1	+41:32:53	300	90	3.0	#141 Mapping t	2	
0076.COMP	10	5:30	02:15:20.1	+41:32:53	300	90	3.0	#141 Mapping t	2	
0077.2M02205187p3453462	480	5:32	02:20:51.8	+34:53:46	300	90	3.0	#141 Mapping t	2	row=81
0078.COMP	10	5:40	02:20:51.8	+34:53:46	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
0079.2M02211204p4251479	480	5:42	02:21:12.0	+42:51:48	300	90	3.0	#141 Mapping t	2	
0080.COMP	10	5:50	02:21:12.0	+42:51:48	300	90	3.0	#141 Mapping t	2	
0081.2M01582742+6744421	1200	5:54	1:58:27.4	+67:44:42	300	90	3.0	#141 Mapping t	2	row=80; faint!
0082.COMP	10	6:15	1:58:27.4	+67:44:42	300	90	3.0	#141 Mapping t	2	
0083.2M02214419p3628207	450	6:17	02:21:44.1	+36:28:21	300	90	3.0	#141 Mapping t	2	
0084.COMP	10	6:25	02:21:44.1	+36:28:21	300	90	3.0	#141 Mapping t	2	
0085.2M02220446p4453371	330	6:27	02:22:04.4	+44:53:36	300	90	3.0	#141 Mapping t	2	row=80. Dome got lost
0086.COMP	10	6:33	02:22:04.4	+44:53:36	300	90	3.0	#141 Mapping t	2	
0087.2M02220446p4453371	800	6:46	02:22:04.4	+44:53:36	300	90	3.0	#141 Mapping t	2	row=80
0088.COMP	10	7:00	02:22:04.4	+44:53:36	300	90	3.0	#141 Mapping t	2	
0089.2M02224353p4225299	1200	7:02	02:22:43.5	+42:25:29	300	90	3.0	#141 Mapping t	2	
0090.COMP	10	7:22	02:22:43.5	+42:25:29	300	90	3.0	#141 Mapping t	2	
0091.2M02234247p2841432	480	7:24	02:23:42.4	+28:41:43	300	90	3.0	#141 Mapping t	2	
0092.COMP	10	7:33	02:23:42.4	+28:41:43	300	90	3.0	#141 Mapping t	2	
0093.2M02235204p4247338	600	7:36	02:23:52.0	+42:47:34	300	90	3.0	#141 Mapping t	2	row=80
0094.COMP	10	7:46	02:23:52.0	+42:47:34	300	90	3.0	#141 Mapping t	2	
0095.FineFoc	60	7:49	03:59:43.1	31:21:34	300	90	3.0	#56 Spectropho	1	
0096.2M02252267p4143334	600	7:57	02:25:22.7	+41:43:33	300	90	3.0	#141 Mapping t	2	
0097.COMP	10	8:07	02:25:22.7	+41:43:33	300	90	3.0	#141 Mapping t	2	
0098.XS00650B7_001	600	8:14	03:31:22.2	43:56:46	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
0099.COMP	10	8:25	03:31:22.2	43:56:46	300	90	3.0	#152 ChaMPlane	2	
0100.XS00650B7_006	420	8:26	03:31:11.9	43:54:15	300	90	3.0	#152 ChaMPlane	2	
0101.COMP	10	8:34	03:31:11.9	43:54:15	300	90	3.0	#152 ChaMPlane	2	
0102.XS00676B3_010	720	8:37	04:21:26.5	32:51:34	300	90	3.0	#152 ChaMPlane	2	row=85
0103.COMP	10	8:50	04:21:26.5	32:51:34	300	90	3.0	#152 ChaMPlane	2	
0104.XS00676B6_001	900	8:51	04:20:46.9	32:53:54	300	90	3.0	#152 ChaMPlane	2	row=82
0105.COMP	10	9:07	04:20:46.9	32:53:54	300	90	3.0	#152 ChaMPlane	2	
0106.XS02796B7_008	900	9:09	05:38:40.4	28:22:49	300	90	3.0	#152 ChaMPlane	2	
0107.COMP	10	9:25	05:38:40.4	28:22:49	300	90	3.0	#152 ChaMPlane	2	
0108.NGC1700	120	9:28	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0109.COMP	5	9:30	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0110.Akn120	300	9:35	05:13:38.0	-00:12:15	300	5	3.0	#6 AGN Monitor	4	
0111.COMP	5	9:40	05:13:38.0	-00:12:15	300	5	3.0	#6 AGN Monitor	4	
0112.XS02796B8_006	900	9:45	05:38:24.3	28:27:11	300	90	3.0	#152 ChaMPlane	2	
0113.COMP	10	10:00	05:38:24.3	28:27:11	300	90	3.0	#152 ChaMPlane	2	
0114.XS02796B2_003	900	10:02	05:37:29.9	28:08:26	300	90	3.0	#152 ChaMPlane	2	row=85
0115.COMP	10	10:18	05:37:29.9	28:08:26	300	90	3.0	#152 ChaMPlane	2	
0116.XS02796B6_002	300	10:20	05:38:20.6	28:13:25	300	90	3.0	#152 ChaMPlane	2	
0117.COMP	10	10:25	05:38:20.6	28:13:25	300	90	3.0	#152 ChaMPlane	2	
0118.XS02796B6_007	900	10:26	05:38:18.6	28:09:25	300	90	3.0	#152 ChaMPlane	2	row=83

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0119.COMP	10	10:42	05:38:18.6	28:09:25	300	90	3.0	#152 ChaMPlane	2	
0120.XS02796B7_007	600	10:43	05:38:08.8	28:14:52	300	90	3.0	#152 ChaMPlane	2	
0121.COMP	10	10:54	05:38:08.8	28:14:52	300	90	3.0	#152 ChaMPlane	2	
0122.Hiltner600	45	11:03	06:42:37.2	02:11:25	300	5	3.0	#56 Spectropho	2	
0123.COMP	10	11:04	06:42:37.2	02:11:25	300	5	3.0	#56 Spectropho	2	
0124.HD52071	5	11:09	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0125.COMP	5	11:09	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0126.2M07043428p3730487	600	11:12	07:04:34.2	+37:30:48	300	90	3.0	#141 Mapping t	2	
0127.COMP	10	11:23	07:04:34.2	+37:30:48	300	90	3.0	#141 Mapping t	2	
0128.2M07065674p3215335	600	11:24	07:06:56.7	+32:15:33	300	90	3.0	#141 Mapping t	2	
0129.COMP	10	11:35	07:06:56.7	+32:15:33	300	90	3.0	#141 Mapping t	2	
0130.2M07074279p4558474	600	11:37	07:07:42.7	+45:58:47	300	90	3.0	#141 Mapping t	2	
0131.COMP	10	11:47	07:07:42.7	+45:58:47	300	90	3.0	#141 Mapping t	2	
0132.2M07155762p4336189	450	11:49	07:15:57.6	+43:36:19	300	90	3.0	#141 Mapping t	2	
0133.COMP	10	11:57	07:15:57.6	+43:36:19	300	90	3.0	#141 Mapping t	2	
0134.2M07160874p4333118	450	11:58	07:16:08.7	+43:33:11	300	90	3.0	#141 Mapping t	2	
0135.COMP	10	12:06	07:16:08.7	+43:33:11	300	90	3.0	#141 Mapping t	2	
0136.2M07164427p3739556	480	12:08	07:16:44.2	+37:39:55	300	90	3.0	#141 Mapping t	2	
0137.COMP	10	12:16	07:16:44.2	+37:39:55	300	90	3.0	#141 Mapping t	2	
0138.2M07183744p2004102	480	12:18	07:18:37.4	+20:04:10	300	90	3.0	#141 Mapping t	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0139.COMP	10	12:27	07:18:37.4	+20:04:10	300	90	3.0	#141 Mapping t	2	
0140.Feige34	120	12:32	10:36:41.2	43:21:50	300	78	3.0	#56 Spectropho	2	
0141.COMP	10	12:34	10:36:41.2	43:21:50	300	78	3.0	#56 Spectropho	2	
0142.FineFoc	60	12:42	08:00:04.5	31:35:29	300	90	3.0	#141 Mapping t	1	
0143-0152.BIAS	0	12:52	08:00:04.5	31:35:29	300	90	3.0	#141 Mapping t	4	
0153-0162.FLAT	8	12:55	08:00:04.5	31:35:29	300	90	3.0	#141 Mapping t	4	
0163-0172.BIAS	0	12:57	08:00:04.5	31:35:29	300	90	3.0	#141 Mapping t	2	
0173-0182.FLAT	16	13:03	08:00:04.5	31:35:29	300	90	3.0	#141 Mapping t	2	
0183-0189.DARK	900	14:44	08:00:04.5	31:35:29	300	90	3.0	#141 Mapping t	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	23:29	19:22:49.4	+31:29:13	300	90	3.0	#141 Mapping t	4	
0011-0013.FLAT	8	23:30	19:23:49.7	+31:29:13	300	90	3.0	#141 Mapping t	4	
0014-0020.FLAT	8	23:32	19:26:10.6	+31:29:12	300	90	3.0	#141 Mapping t	4	
0021-0030.BIAS	0	23:34	19:28:22.6	+31:29:11	300	90	3.0	#141 Mapping t	2	
0031-0034.FLAT	16	23:36	19:30:47.0	+31:29:10	300	90	3.0	#141 Mapping t	2	
0035-0039.FLAT	16	23:39	19:33:41.6	+31:29:09	300	90	3.0	#141 Mapping t	2	
0040.FLAT	16	23:40	19:34:19.5	+31:29:08	300	90	3.0	#141 Mapping t	2	
0041.BDp284211	90	1:47	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0042.BDp284211	90	1:48	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0043.COMP	10	1:51	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0044.BDp174708	45	1:53	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0045.BDp174708	45	1:54	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0046.COMP	10	1:55	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0047.2M19044650-0338240	1500	2:09	19:04:46.5	-03:38:24	300	90	3.0	#141 Mapping t	2	row=85
0048.COMP	10	2:35	19:04:46.5	-03:38:24	300	90	3.0	#141 Mapping t	2	
0049.158m213	300	2:41	00:40:30.2	+40:50:55	300	60	3.0	#57 Velocity S	2	
0050.COMP	10	2:48	00:40:30.2	+40:50:55	300	60	3.0	#57 Velocity S	2	
0051.005706p17450.b	2100	2:58	0:59:40.2	17:58:25	300	90	3.0	#113 Interacti	2	
0052.COMP	10	3:34	0:59:40.2	17:58:25	300	90	3.0	#113 Interacti	2	
0053.sn2004et	600	3:38	20:35:25.4	60:07:17	300	110	3.0	#2 SN Observat	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0054.COMP	10	3:48	20:35:25.4	60:07:17	300	110	3.0	#2 SN Observat	2	
0055.sn2004fu	1200	3:51	20:35:11.6	+64:48:26	300	110	3.0	#2 SN Observat	2	
0056.COMP	10	4:11	20:35:11.6	+64:48:26	300	110	3.0	#2 SN Observat	2	
0057.sn2004fe	1800	4:15	00:30:11.2	+02:05:23	300	0	3.0	#2 SN Observat	2	row=81
0058.COMP	10	4:46	00:30:11.2	+02:05:23	300	0	3.0	#2 SN Observat	2	
0059-0068.FLAT	16	4:53	00:30:11.2	+02:05:23	300	90	3.0	#56 Spectropho	2	
0069.FLAT	24	5:05	00:30:11.2	+02:05:23	600	90	2.0	#56 Spectropho	4	600L, 2 arcsec, tilt=440
0070-0078.FLAT	24	5:09	00:30:11.2	+02:05:23	600	90	2.0	#56 Spectropho	4	
0079.hs3275	588	5:12	0:30:03.6	25:57:03	600	90	2.0	#122 Halo Star	4	
0080.COMP	10	5:23	0:30:03.6	25:57:03	600	90	2.0	#122 Halo Star	4	
0081.hs3276	180	5:25	0:30:16.1	20:12:42	600	90	2.0	#122 Halo Star	4	
0082.COMP	10	5:28	0:30:16.1	20:12:42	600	90	2.0	#122 Halo Star	4	
0083.hs3277	324	5:29	0:30:38.2	23:31:30	600	90	2.0	#122 Halo Star	4	
0084.COMP	10	5:35	0:30:38.2	23:31:30	600	90	2.0	#122 Halo Star	4	
0085.hs3278	510	5:36	0:31:04.6	26:58:10	600	90	2.0	#122 Halo Star	4	
0086.COMP	10	5:45	0:31:04.6	26:58:10	600	90	2.0	#122 Halo Star	4	
0087.Feige110	360	5:48	23:17:23.5	-05:26:22	600	40	2.0	#56 Spectropho	4	
0088.COMP	10	5:54	23:17:23.5	-05:26:22	600	40	2.0	#56 Spectropho	4	header may be bad
0089.COMP	10	5:55	23:17:23.5	-05:26:22	600	40	2.0	#56 Spectropho	4	
0090.hs3279	168	5:58	0:31:40.4	17:39:41	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
0091.COMP	10	6:01	0:31:40.4	17:39:41	600	90	2.0	#122 Halo Star	4	
0092.hs3280	216	6:03	0:32:50.3	27:25:55	600	90	2.0	#122 Halo Star	4	
0093.COMP	10	6:07	0:32:50.3	27:25:55	600	90	2.0	#122 Halo Star	4	
0094.hs3281	246	6:08	0:32:51.7	26:18:14	600	90	2.0	#122 Halo Star	4	
0095.COMP	10	6:13	0:32:51.7	26:18:14	600	90	2.0	#122 Halo Star	4	
0096.hs3282	498	6:14	0:33:50.0	26:48:31	600	90	2.0	#122 Halo Star	4	
0097.COMP	10	6:24	0:33:50.0	26:48:31	600	90	2.0	#122 Halo Star	4	
0098.hs3283	444	6:25	0:35:46.5	26:54:54	600	90	2.0	#122 Halo Star	4	
0099.COMP	10	6:33	0:35:46.5	26:54:54	600	90	2.0	#122 Halo Star	4	
0100.hs3284	522	6:34	0:35:49.6	15:54:10	600	90	2.0	#122 Halo Star	4	
0101.COMP	10	6:43	0:35:49.6	15:54:10	600	90	2.0	#122 Halo Star	4	
0102.hs3285	588	6:44	0:36:16.8	21:48:31	600	90	2.0	#122 Halo Star	4	
0103.COMP	10	6:54	0:36:16.8	21:48:31	600	90	2.0	#122 Halo Star	4	
0104.hs3286	426	6:56	0:37:10.4	21:34:08	600	90	2.0	#122 Halo Star	4	
0105.COMP	10	7:03	0:37:10.4	21:34:08	600	90	2.0	#122 Halo Star	4	
0106.hs3552	354	7:06	2:46:32.7	11:27:18	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	7:12	2:46:32.7	11:27:18	600	90	2.0	#122 Halo Star	4	
0108.hs3553	342	7:14	2:46:37.0	5:29:38	600	90	2.0	#122 Halo Star	4	
0109.COMP	10	7:20	2:46:37.0	5:29:38	600	90	2.0	#122 Halo Star	4	
0110.hs3554	576	7:21	2:47:09.6	5:44:52	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
0111.COMP	10	7:31	2:47:09.6	5:44:52	600	90	2.0	#122 Halo Star	4	
0112.hs3555	282	7:32	2:47:20.5	6:37:51	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	7:37	2:47:20.5	6:37:51	600	90	2.0	#122 Halo Star	4	
0114.hs3556	402	7:38	2:47:59.2	13:21:18	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	7:45	2:47:59.2	13:21:18	600	90	2.0	#122 Halo Star	4	
0116.hs3557	318	7:49	2:48:16.2	13:55:08	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	7:55	2:48:16.2	13:55:08	600	90	2.0	#122 Halo Star	4	
0118.hs3558	342	7:56	2:48:21.8	11:14:36	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	8:02	2:48:21.8	11:14:36	600	90	2.0	#122 Halo Star	4	
0120.hs3559	516	8:04	2:49:46.6	13:15:34	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	8:13	2:49:46.6	13:15:34	600	90	2.0	#122 Halo Star	4	
0122.hs3560	360	8:14	2:50:18.2	7:25:00	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	8:21	2:50:18.2	7:25:00	600	90	2.0	#122 Halo Star	4	
0124.hs3561	168	8:22	2:50:42.5	12:33:07	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	8:25	2:50:42.5	12:33:07	600	90	2.0	#122 Halo Star	4	
0126.hs3562	618	8:26	2:52:00.5	11:11:00	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	8:37	2:52:00.5	11:11:00	600	90	2.0	#122 Halo Star	4	
0128.hs3563	522	8:39	2:52:52.9	11:51:07	600	90	2.0	#122 Halo Star	4	
0129.COMP	10	8:48	2:52:52.9	11:51:07	600	90	2.0	#122 Halo Star	4	
0130.hs3564	168	8:49	2:53:17.6	8:30:34	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0131.COMP	10	8:52	2:53:17.6	8:30:34	600	90	2.0	#122 Halo Star	4	
0132.hs3565	384	8:53	2:53:36.0	11:20:23	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	9:00	2:53:36.0	11:20:23	600	90	2.0	#122 Halo Star	4	
0134.hs3566	618	9:01	2:53:38.4	10:49:29	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	9:12	2:53:38.4	10:49:29	600	90	2.0	#122 Halo Star	4	
0136.hs3567	168	9:13	2:54:00.1	7:19:56	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	9:17	2:54:00.1	7:19:56	600	90	2.0	#122 Halo Star	4	
0138.hs3568	588	9:18	2:54:44.0	8:40:55	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	9:28	2:54:44.0	8:40:55	600	90	2.0	#122 Halo Star	4	
0140.hs3569	270	9:29	2:55:07.3	7:56:11	600	90	2.0	#122 Halo Star	4	row=40
0141.COMP	10	9:34	2:55:07.3	7:56:11	600	90	2.0	#122 Halo Star	4	
0142.hs3570	462	9:35	2:55:24.8	7:21:08	600	90	2.0	#122 Halo Star	4	
0143.COMP	10	9:43	2:55:24.8	7:21:08	600	90	2.0	#122 Halo Star	4	
0144.hs3571	612	9:45	2:57:08.4	7:21:24	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	9:55	2:57:08.4	7:21:24	600	90	2.0	#122 Halo Star	4	
0146-0155.FLAT	24	10:02	2:57:08.4	7:21:24	600	90	2.0	Bright Stars	4	
0156.FLAT	8	10:10	2:57:08.4	7:21:24	300	90	3.0	Bright Stars	4	300L, 3 arcsec, tilt=600
0157-0165.FLAT	8	10:12	2:57:08.4	7:21:24	300	90	3.0	Bright Stars	4	
0166-0175.FLAT	16	10:17	2:57:08.4	7:21:24	300	90	3.0	Bright Stars	2	
0176.COMP	5	10:18	2:57:08.4	7:21:24	300	90	3.0	#57 Velocity S	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0177.NGC1700	120	10:22	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0178.NGC1700	120	10:25	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0179.COMP	5	10:27	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0180.McNeilposA	1200	10:33	05:46:14	-00:05:30	300	90	3.0	#112 Orion PMS	2	
0181.COMP	10	10:53	05:46:14	-00:05:30	300	90	3.0	#112 Orion PMS	2	
0182.McNeilposC	1200	10:57	05:46:13	-00:05:54	300	90	3.0	#112 Orion PMS	2	row=72
0183.COMP	10	11:18	05:46:13	-00:05:54	300	90	3.0	#112 Orion PMS	2	
0184.Hiltner600	45	11:23	06:42:37.2	02:11:25	300	14	3.0	#56 Spectropho	2	
0185.Hiltner600	45	11:24	06:42:37.2	02:11:25	300	14	3.0	#56 Spectropho	2	
0186.COMP	10	11:25	06:42:37.2	02:11:25	300	14	3.0	#56 Spectropho	2	
0187.NGC2264_2	240	11:34	6:40:13.5	9:24:49	300	90	3.0	#89 Ae/Be star	4	
0188.COMP	5	11:38	6:40:13.5	9:24:49	300	90	3.0	#89 Ae/Be star	4	
0189.NGC2264_4	180	11:39	6:40:36.6	9:47:23	300	90	3.0	#89 Ae/Be star	4	row=37
0190.COMP	5	11:43	6:40:36.6	9:47:23	300	90	3.0	#89 Ae/Be star	4	
0191.NGC2264_8	130	11:45	6:40:46.0	9:49:17	300	90	3.0	#89 Ae/Be star	4	
0192.COMP	5	11:48	6:40:46.0	9:49:17	300	90	3.0	#89 Ae/Be star	4	
0193.NGC2264_6	480	11:49	6:40:41.3	9:54:14	300	90	3.0	#89 Ae/Be star	4	
0194.COMP	5	11:57	6:40:41.3	9:54:14	300	90	3.0	#89 Ae/Be star	4	
0195.NGC2264_3	360	12:00	6:40:28.7	9:30:59	300	90	3.0	#89 Ae/Be star	4	
0196.COMP	5	12:06	6:40:28.7	9:30:59	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
0197.NGC2264_5	240	12:07	6:40:40.0	9:35:3	300	90	3.0	#89 Ae/Be star	4	row=39
0198.COMP	5	12:12	6:40:40.0	9:35:3	300	90	3.0	#89 Ae/Be star	4	
0199.NGC2264_7	240	12:13	6:40:45.1	9:28:44	300	90	3.0	#89 Ae/Be star	4	
0200.COMP	5	12:17	6:40:45.1	9:28:44	300	90	3.0	#89 Ae/Be star	4	
0201.NGC2264_9	240	12:19	6:40:47.4	9:49:29	300	90	3.0	#89 Ae/Be star	4	
0202.COMP	5	12:23	6:40:47.4	9:49:29	300	90	3.0	#89 Ae/Be star	4	
0203.NGC2264_10	120	12:24	6:40:51.1	9:44:46	300	90	3.0	#89 Ae/Be star	4	
0204.COMP	5	12:27	6:40:51.1	9:44:46	300	90	3.0	#89 Ae/Be star	4	
0205.NGC2264_11	240	12:28	6:40:51.5	9:43:24	300	90	3.0	#89 Ae/Be star	4	
0206.COMP	5	12:32	6:40:51.5	9:43:24	300	90	3.0	#89 Ae/Be star	4	
0207.NGC2264_12	240	12:33	6:40:53.6	9:33:25	300	90	3.0	#89 Ae/Be star	4	
0208.COMP	5	12:38	6:40:53.6	9:33:25	300	90	3.0	#89 Ae/Be star	4	
0209.NGC2264_1	90	12:39	6:40:5.6	9:35:47	300	90	3.0	#89 Ae/Be star	4	
0210.COMP	5	12:41	6:40:5.6	9:35:47	300	90	3.0	#89 Ae/Be star	4	
0211.Feige34	120	12:43	10:36:41.2	43:21:50	300	75	3.0	#56 Spectropho	2	
0212.Feige34	120	12:45	10:36:41.2	43:21:50	300	75	3.0	#56 Spectropho	2	
0213.COMP	10	12:47	10:36:41.2	43:21:50	300	75	3.0	#56 Spectropho	2	
0214.FineFoc	60	12:54	09:00:05.4	31:28:18	300	90	3.0	#112 Orion PMS	1	
0215.sky	20	13:20	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	4	
0216-0219.sky	30	13:24	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	4	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0220.sky	25	13:25	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	4	
0221.COMP	5	13:25	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	4	
0222-0231.BIAS	0	13:35	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	4	
0232-0241.FLAT	8	13:39	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	4	
0242-0251.BIAS	0	13:41	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	2	
0252-0261.FLAT	16	13:47	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	2	
0262-0271.DARK	900	16:16	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	4	
0272-0280.DARK	900	18:33	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	18:49	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	2	
0002-0011.BIAS	0	23:45	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	4	
0012-0021.FLAT	8	23:48	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	4	
0022-0031.BIAS	0	23:51	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	2	
0032-0041.FLAT	16	23:56	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	2	
0042.COMP	5	23:58	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	4	
0043.COMP	5	1:00	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	4	
0044.COMP	5	1:05	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	4	replaced grating, use flats below
0045-0054.FLAT	8	1:09	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	4	
0055-0064.FLAT	16	1:15	9:21:00	34:00:00	300	90	3.0	#57 Velocity S	2	
0065.N7331	180	1:33	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0066.COMP	10	1:37	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0067.BDp284211	90	1:46	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0068.BDp284211	90	1:47	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0069.COMP	10	1:50	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0070.BDp174708	45	1:52	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0071.BDp174708	45	1:53	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0072.COMP	10	1:55	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0073.Akn564	180	2:00	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0074.Akn564	180	2:03	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0075.COMP	5	2:06	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0076.ZAnd	2	2:17	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0077.ZAnd	10	2:17	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0078.ZAnd	60	2:18	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0079.COMP	10	2:20	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0080.N7469	120	2:35	23:03:15.7	+08:52:27	300	-15	3.0	#6 AGN Monitor	4	
0081.N7469	120	2:37	23:03:15.7	+08:52:27	300	-15	3.0	#6 AGN Monitor	4	
0082.COMP	5	2:40	23:03:15.7	+08:52:27	300	-15	3.0	#6 AGN Monitor	4	
0083.FineFoc	60	2:52	23:03:17.7	31:41:21	300	90	3.0	#56 Spectropho	1	Seeing 2arcsec
0084.158m213	300	3:07	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	
0085.COMP	5	3:13	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	
0086.2572-17	1200	3:21	23:20:34.5	+19:08:45	300	60	3.0	#64 Galaxy For	2	
0087.COMP	10	3:42	23:20:34.5	+19:08:45	300	60	3.0	#64 Galaxy For	2	
0088.sn2004et	600	3:47	20:35:25.4	60:07:17	300	110	3.0	#2 SN Observat	2	
0089.COMP	10	3:57	20:35:25.4	60:07:17	300	110	3.0	#2 SN Observat	2	
0090.sn2004fu	1200	4:00	20:35:11.6	+64:48:26	300	110	3.0	#2 SN Observat	2	
0091.COMP	10	4:20	20:35:11.6	+64:48:26	300	110	3.0	#2 SN Observat	2	
0092.sn2004fe	1800	4:27	00:30:11.2	+02:05:23	300	5	3.0	#2 SN Observat	2	row=83
0093.COMP	10	4:58	00:30:11.2	+02:05:23	300	5	3.0	#2 SN Observat	2	
0094.010648p16410_c	2100	5:05	1:9:27.5	16:57:15	300	90	3.0	#113 Interacti	2	row=91

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0095.COMP	10	5:41	1:9:27.5	16:57:15	300	90	3.0	#113 Interacti	2	
0096.011648p14360.b	2220	5:47	1:19:33.0	14:52:35	300	40	3.0	#113 Interacti	2	row=102
0097.COMP	10	6:25	1:19:33.0	14:52:35	300	40	3.0	#113 Interacti	2	
0098.011648p14360_d	2100	6:29	1:19:44.9	14:53:11	300	90	3.0	#113 Interacti	2	
0099.COMP	10	7:05	1:19:44.9	14:53:11	300	90	3.0	#113 Interacti	2	
0100.2M02263547p4245294	600	7:10	02:26:35.4	+42:45:29	300	90	3.0	#141 Mapping t	2	row=81
0101.COMP	10	7:20	02:26:35.4	+42:45:29	300	90	3.0	#141 Mapping t	2	
0102.XS00650B7_021	600	7:27	03:30:44.9	43:58:21	300	90	3.0	#152 ChaMPlane	2	
0103.COMP	10	7:38	03:30:44.9	43:58:21	300	90	3.0	#152 ChaMPlane	2	
0104.XS00650B7_023	600	7:40	03:31:33.2	43:56:24	300	90	3.0	#152 ChaMPlane	2	
0105.COMP	10	7:51	03:31:33.2	43:56:24	300	90	3.0	#152 ChaMPlane	2	
0106.XS00650B7_034	600	7:52	03:31:23.9	43:54:40	300	90	3.0	#152 ChaMPlane	2	
0107.COMP	10	8:04	03:31:23.9	43:54:40	300	90	3.0	#152 ChaMPlane	2	
0108.XS00650B8_005	300	8:07	03:30:51.5	43:59:08	300	90	3.0	#152 ChaMPlane	2	
0109.COMP	10	8:13	03:30:51.5	43:59:08	300	90	3.0	#152 ChaMPlane	2	
0110.XS00782B3_003	720	8:17	04:29:00.0	64:46:06	300	90	3.0	#152 ChaMPlane	2	
0111.COMP	10	8:30	04:29:00.0	64:46:06	300	90	3.0	#152 ChaMPlane	2	
0112.XS00782B3_006	720	8:35	04:29:24.4	64:49:22	300	90	3.0	#152 ChaMPlane	2	
0113.COMP	10	8:48	04:29:24.4	64:49:22	300	90	3.0	#152 ChaMPlane	2	
0114.XS00782B7_004	720	8:57	04:31:16.8	64:49:50	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
0115.COMP	10	9:10	04:31:16.8	64:49:50	300	90	3.0	#152 ChaMPlane	2	
0116.XS00782B7_006	720	9:12	04:31:14.0	64:51:07	300	90	3.0	#152 ChaMPlane	2	
0117.COMP	10	9:25	04:31:14.0	64:51:07	300	90	3.0	#152 ChaMPlane	2	
0118.XS00782B7_015	600	9:27	04:30:48.6	64:50:58	300	90	3.0	#152 ChaMPlane	2	
0119.COMP	10	9:38	04:30:48.6	64:50:58	300	90	3.0	#152 ChaMPlane	2	
0120.cvso-37659	720	9:47	05:16:50.8	+00:39:21	300	90	3.0	#112 Orion PMS	2	row=81
0121.COMP	10	10:00	05:16:50.8	+00:39:21	300	90	3.0	#112 Orion PMS	2	
0122.cvso-37889	600	10:03	05:17:26.9	+01:54:57	300	90	3.0	#112 Orion PMS	2	
0123.COMP	10	10:14	05:17:26.9	+01:54:57	300	90	3.0	#112 Orion PMS	2	
0124.cvso-19827	720	10:24	05:17:21.7	-00:14:26	300	90	3.0	#112 Orion PMS	2	
0125.COMP	10	10:37	05:17:21.7	-00:14:26	300	90	3.0	#112 Orion PMS	2	
0126.cvso-39179	720	10:40	05:18:39.6	+01:51:37	300	90	3.0	#112 Orion PMS	2	
0127.COMP	10	10:53	05:18:39.6	+01:51:37	300	90	3.0	#112 Orion PMS	2	
0128.cvso-40450	720	10:55	05:20:01.6	+01:10:54	300	90	3.0	#112 Orion PMS	2	
0129.COMP	10	11:09	05:20:01.6	+01:10:54	300	90	3.0	#112 Orion PMS	2	
0130.cvso-41576	720	11:13	05:20:52.9	+00:31:06	300	90	3.0	#112 Orion PMS	2	
0131.COMP	10	11:25	05:20:52.9	+00:31:06	300	90	3.0	#112 Orion PMS	2	
0132.2M05013888p0737400	600	11:31	05:01:38.9	+07:37:40	300	90	3.0	#141 Mapping t	2	
0133.COMP	10	11:43	05:01:38.9	+07:37:40	300	90	3.0	#141 Mapping t	2	
0134.2M05021399p6115343	1200	11:48	05:02:13.9	+61:15:34	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
0135.COMP	10	12:08	05:02:13.9	+61:15:34	300	90	3.0	#141 Mapping t	2	
0136.2M05024241p2019230	1200	12:12	05:02:42.4	+20:19:23	300	90	3.0	#141 Mapping t	2	
0137.COMP	10	12:33	05:02:42.4	+20:19:23	300	90	3.0	#141 Mapping t	2	
0138.2M05030110p7723413	600	12:38	05:03:01.0	+77:23:41	300	90	3.0	#141 Mapping t	2	
0139.COMP	10	12:48	05:03:01.0	+77:23:41	300	90	3.0	#141 Mapping t	2	
0140.Hiltner600	45	12:54	06:42:37.2	02:11:25	300	45	3.0	#56 Spectropho	2	
0141.Hiltner600	45	12:55	06:42:37.2	02:11:25	300	45	3.0	#56 Spectropho	2	
0142.COMP	10	12:56	06:42:37.2	02:11:25	300	45	3.0	#56 Spectropho	2	
0143-0152.BIAS	0	13:06	06:42:37.2	02:11:25	300	90	3.0	#152 ChaMPlane	4	
0153-0162.FLAT	8	13:09	06:42:37.2	02:11:25	300	90	3.0	#152 ChaMPlane	4	
0163-0172.BIAS	0	13:11	06:42:37.2	02:11:25	300	90	3.0	#152 ChaMPlane	2	
0173-0182.FLAT	16	13:17	06:42:37.2	02:11:25	300	90	3.0	#152 ChaMPlane	2	
0183-0192.DARK	900	15:58	06:42:37.2	02:11:25	300	90	3.0	#152 ChaMPlane	4	
0193-0202.DARK	900	18:31	06:42:37.2	02:11:25	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
0001.FLAT	16	0:45	20:47:18.7	+31:28:41	300	90	3.0	#152 ChaMPlane	2	
0002.COMP	10	0:50	20:52:15.9	+31:28:39	300	90	3.0	#152 ChaMPlane	2	checked Argon line at 2661
0003-0012.BIAS	0	0:55	20:57:05.4	+31:28:38	300	90	3.0	#152 ChaMPlane	4	
0013-0015.FLAT	8	0:56	20:58:08.7	+31:28:38	300	90	3.0	#152 ChaMPlane	4	
0016-0022.FLAT	8	0:58	21:00:29.6	+31:28:37	300	90	3.0	#152 ChaMPlane	4	
0023-0026.BIAS	0	0:59	21:01:24.9	+31:28:37	300	90	3.0	#152 ChaMPlane	2	
0027-0032.BIAS	0	1:00	21:02:41.4	+31:28:36	300	90	3.0	#152 ChaMPlane	2	
0033-0035.FLAT	16	1:02	21:04:27.9	+31:28:36	300	90	3.0	#152 ChaMPlane	2	
0036-0040.FLAT	16	1:05	21:07:26.1	+31:28:35	300	90	3.0	#152 ChaMPlane	2	
0041-0042.FLAT	16	1:06	21:08:34.3	+31:28:34	300	90	3.0	#152 ChaMPlane	2	
0043.N7331	360	1:37	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0044.N7331	360	1:43	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0045.COMP	10	1:50	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0046.BDp284211	90	1:59	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0047.BDp284211	90	2:01	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0048.COMP	10	2:03	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0049.BDp174708	45	2:08	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	not enough counts
0050.BDp174708	45	2:10	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	ditto
0051.COMP	10	2:11	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0052.BDp174708	90	2:13	22:11:31.4	18:05:34	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
0053.BDp174708	90	2:15	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0054.COMP	10	2:17	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0055.FineFoc	60	2:24	21:58:46.8	30:49:16	300	90	3.0	#152 ChaMPPlane	1	Seeing 1.3 arcsec (for this part of the sky, as patchy cloud co
0056.158m213	300	3:00	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	
0057.COMP	5	3:05	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	
0058.sn2004et	600	3:13	20:35:25.4	60:07:17	300	90	3.0	#2 SN Observat	2	
0059.COMP	10	3:28	20:35:25.4	60:07:17	300	90	3.0	#2 SN Observat	2	
0060.sn2004fu	1200	3:42	20:35:11.6	+64:48:26	300	90	3.0	#2 SN Observat	2	
0061.COMP	10	4:03	20:35:11.6	+64:48:26	300	90	3.0	#2 SN Observat	2	
0062.MRK335	150	4:09	00:06:19.6	+20:12:11	300	5	3.0	#6 AGN Monitor	4	
0063.MRK335	150	4:12	00:06:19.6	+20:12:11	300	5	3.0	#6 AGN Monitor	4	
0064.COMP	5	4:17	00:06:19.6	+20:12:11	300	5	3.0	#6 AGN Monitor	4	
0065.sn2004fe	1800	4:30	00:30:11.2	+02:05:23	300	5	3.0	#2 SN Observat	2	
0066.COMP	10	5:00	00:30:11.2	+02:05:23	300	5	3.0	#2 SN Observat	2	
0067.011648p14360.e	2100	5:15	1:19:44.8	14:53:56	300	90	3.0	#113 Interacti	2	
0068.COMP	10	5:50	1:19:44.8	14:53:56	300	90	3.0	#113 Interacti	2	
0069.2M02281447p2551273	900	5:59	02:28:14.4	+25:51:27	300	90	3.0	#141 Mapping t	2	row=88
0070.COMP	10	6:14	02:28:14.4	+25:51:27	300	90	3.0	#141 Mapping t	2	
0071.2M02333321p2128558	900	6:26	02:33:33.2	+21:28:56	300	90	3.0	#141 Mapping t	2	row=81
0072.COMP	10	6:41	02:33:33.2	+21:28:56	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
0073.2M02353449p4713087	900	6:45	02:35:34.5	+47:13:08	300	90	3.0	#141 Mapping t	2	
0074.COMP	10	7:01	02:35:34.5	+47:13:08	300	90	3.0	#141 Mapping t	2	
0075.2M02370638p3810184	900	7:06	02:37:06.3	+38:10:18	300	90	3.0	#141 Mapping t	2	
0076.COMP	10	7:22	02:37:06.3	+38:10:18	300	90	3.0	#141 Mapping t	2	
0077.2M02383383p3505557	600	7:26	02:38:33.8	+35:05:55	300	90	3.0	#141 Mapping t	2	
0078.COMP	10	7:36	02:38:33.8	+35:05:55	300	90	3.0	#141 Mapping t	2	
0079.2M02395229p4255515	900	7:41	02:39:52.3	+42:55:51	300	90	3.0	#141 Mapping t	2	
0080.COMP	10	7:56	02:39:52.3	+42:55:51	300	90	3.0	#141 Mapping t	2	
0081.FineFoc	60	8:06	03:59:43.1	31:21:34	300	90	3.0	#113 Interacti	1	Seeing 1.7arcsec
0082.2M02401204p0731570	900	8:15	02:40:12.0	+07:31:57	300	90	3.0	#141 Mapping t	2	
0083.COMP	10	8:32	02:40:12.0	+07:31:57	300	90	3.0	#141 Mapping t	2	
0084.2M02405017p0924087	900	8:36	02:40:50.2	+09:24:08	300	90	3.0	#141 Mapping t	2	
0085.COMP	10	8:52	02:40:50.2	+09:24:08	300	90	3.0	#141 Mapping t	2	
0086.NGC1700	120	8:55	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0087.NGC1700	120	8:57	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0088.COMP	5	8:59	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0089.Akn120	300	9:05	05:13:38.0	-00:12:15	300	-3	3.0	#6 AGN Monitor	4	
0090.COMP	5	9:13	05:13:38.0	-00:12:15	300	-3	3.0	#6 AGN Monitor	4	
0091.cvso-42779	480	9:18	05:22:05.0	+01:44:52	300	90	3.0	#112 Orion PMS	2	
0092.COMP	10	9:26	05:22:05.0	+01:44:52	300	90	3.0	#112 Orion PMS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0093.cvso-43055	600	9:29	05:22:19.8	+02:01:39	300	90	3.0	#112 Orion PMS	2	
0094.COMP	10	9:39	05:22:19.8	+02:01:39	300	90	3.0	#112 Orion PMS	2	
0095.cvso-47517	721	9:43	05:26:10.3	+01:01:29	300	90	3.0	#112 Orion PMS	2	
0096.COMP	10	9:56	05:26:10.3	+01:01:29	300	90	3.0	#112 Orion PMS	2	
0097.XS00095B7_002	600	10:33	06:22:48.8	-00:20:32	300	90	3.0	#152 ChaMPlane	2	
0098.COMP	10	10:44	06:22:48.8	-00:20:32	300	90	3.0	#152 ChaMPlane	2	
0099.XS00095B7_009	600	10:55	06:22:54.6	-00:17:38	300	90	3.0	#152 ChaMPlane	2	
0100.COMP	10	11:05	06:22:54.6	-00:17:38	300	90	3.0	#152 ChaMPlane	2	
0101.XS00095B7_007	720	11:11	06:22:36.3	-00:21:22	300	90	3.0	#152 ChaMPlane	2	
0102.COMP	10	11:24	06:22:36.3	-00:21:22	300	90	3.0	#152 ChaMPlane	2	
0103.2M07252407p4451008	600	11:34	07:25:24.0	+44:51:01	300	90	3.0	#141 Mapping t	2	
0104.COMP	10	11:45	07:25:24.0	+44:51:01	300	90	3.0	#141 Mapping t	2	
0105.2M07384120p1756029	600	11:49	07:38:41.2	+17:56:02	300	90	3.0	#141 Mapping t	2	
0106.COMP	10	12:00	07:38:41.2	+17:56:02	300	90	3.0	#141 Mapping t	2	
0107.2M07394188p4554456	900	12:04	07:39:41.8	+45:54:45	300	90	3.0	#141 Mapping t	2	
0108.COMP	10	12:19	07:39:41.8	+45:54:45	300	90	3.0	#141 Mapping t	2	
0109.2M07420506p1811156	900	12:22	07:42:05.0	+18:11:15	300	90	3.0	#141 Mapping t	2	
0110.COMP	10	12:38	07:42:05.0	+18:11:15	300	90	3.0	#141 Mapping t	2	
0111.Hiltner600	45	12:48	06:42:37.2	02:11:25	300	42	3.0	#56 Spectropho	2	
0112.Hiltner600	45	12:49	06:42:37.2	02:11:25	300	42	3.0	#56 Spectropho	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0113.COMP	10	12:51	06:42:37.2	02:11:25	300	42	3.0	#56 Spectropho	2	
0114.HD52071	5	12:56	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0115.HD52071	5	12:56	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0116.HD52071	5	12:56	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0117.COMP	5	12:57	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0118.BIAS	0	12:59	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	4	binby4
0119-0127.BIAS	0	13:00	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	4	
0128-0137.FLAT	8	13:03	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	4	
0138.BIAS	0	13:03	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	2	binby2
0139-0147.BIAS	0	13:05	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	2	
0148-0157.FLAT	16	13:11	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	2	
0158-0167.DARK	900	15:50	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	4	
0168-0177.DARK	900	18:23	06:57:51	+27:13:42	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.COMP	10	0:35	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	2	checking position of argon line at 2661 pix
0002.FLAT	16	0:47	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	2	checking flat
0003-0012.BIAS	0	0:50	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	4	
0013-0022.FLAT	8	0:54	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	4	
0023-0032.BIAS	0	0:56	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	2	
0033-0042.FLAT	16	1:02	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	2	
0043.N7331	180	2:30	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0044.COMP	5	2:33	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0045.FineFoc	60	2:39	23:03:17.7	31:41:21	300	90	3.0	#57 Velocity S	1	seeing 1.9arcsec
0046.BDp284211	90	2:47	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0047.BDp284211	90	2:49	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0048.COMP	10	2:53	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0049.BDp174708	45	2:56	22:11:31.4	18:05:34	300	38	3.0	#56 Spectropho	2	
0050.BDp174708	45	2:56	22:11:31.4	18:05:34	300	38	3.0	#56 Spectropho	2	
0051.COMP	10	2:58	22:11:31.4	18:05:34	300	38	3.0	#56 Spectropho	2	
0052.Akn564	200	3:06	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0053.Akn564	200	3:10	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0054.COMP	5	3:13	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0055.N7469	120	3:25	23:03:15.7	+08:52:27	300	12	3.0	#6 AGN Monitor	4	
0056.N7469	120	3:27	23:03:15.7	+08:52:27	300	12	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0057.COMP	5	3:30	23:03:15.7	+08:52:27	300	12	3.0	#6 AGN Monitor	4	
0058.sn2004fu	1200	3:36	20:35:11.6	+64:48:26	300	90	3.0	#2 SN Observat	2	
0059.COMP	10	3:56	20:35:11.6	+64:48:26	300	90	3.0	#2 SN Observat	2	
0060.sn2004fe	1800	4:06	00:30:11.2	+02:05:23	300	-5	3.0	#2 SN Observat	2	row=83, but SN not visible, mostly galaxy light
0061.COMP	10	4:36	00:30:11.2	+02:05:23	300	-5	3.0	#2 SN Observat	2	
0062.158m213	300	4:48	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	row=41
0063.COMP	5	4:53	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	
0064.sn2004fd	900	7:44	02:43:15.2	32:25:25	300	85	3.0	#2 SN Observat	2	
0065.COMP	10	8:00	02:43:15.2	32:25:25	300	85	3.0	#2 SN Observat	2	
0066.2M03104512p4411403	900	8:03	03:10:45.1	+44:11:40	300	90	3.0	#141 Mapping t	2	
0067.COMP	10	8:20	03:10:45.1	+44:11:40	300	90	3.0	#141 Mapping t	2	
0068.2M03112132p4213579	900	8:22	03:11:21.3	+42:13:57	300	90	3.0	#141 Mapping t	2	row=80
0069.COMP	10	8:37	03:11:21.3	+42:13:57	300	90	3.0	#141 Mapping t	2	
0070.2M03112620p1857163	900	8:39	03:11:26.2	+18:57:16	300	90	3.0	#141 Mapping t	2	
0071.COMP	10	8:55	03:11:26.2	+18:57:16	300	90	3.0	#141 Mapping t	2	
0072.2M05024241p2019230	900	9:00	05:02:42.4	+20:19:23	300	90	3.0	#141 Mapping t	2	
0073.COMP	10	9:15	05:02:42.4	+20:19:23	300	90	3.0	#141 Mapping t	2	
0074.2M05032766p1749098	900	9:24	05:03:27.6	+17:49:09	300	90	3.0	#141 Mapping t	2	
0075.COMP	10	9:40	05:03:27.6	+17:49:09	300	90	3.0	#141 Mapping t	2	
0076.cvso-58927	300	9:44	05:35:43.6	+00:21:56	300	90	3.0	#112 Orion PMS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0077.COMP	10	9:50	05:35:43.6	+00:21:56	300	90	3.0	#112 Orion PMS	2	
0078.cvso-62591	420	9:55	05:37:47.7	+01:41:22	300	90	3.0	#112 Orion PMS	2	
0079.COMP	10	10:03	05:37:47.7	+01:41:22	300	90	3.0	#112 Orion PMS	2	
0080.cvso-63061	600	10:05	05:39:07.6	+01:28:27	300	90	3.0	#112 Orion PMS	2	
0081.COMP	10	10:15	05:39:07.6	+01:28:27	300	90	3.0	#112 Orion PMS	2	
0082.cvso-63741	600	10:18	05:39:54.5	+00:51:51	300	90	3.0	#112 Orion PMS	2	row=82
0083.COMP	10	10:28	05:39:54.5	+00:51:51	300	90	3.0	#112 Orion PMS	2	
0084.XS00095B7_012	720	10:35	06:22:44.9	-00:14:58	300	90	3.0	#152 ChaMPlane	2	row=84
0085.COMP	10	10:48	06:22:44.9	-00:14:58	300	90	3.0	#152 ChaMPlane	2	
0086.XS00095B8_001	900	10:51	06:22:46.5	-00:09:48	300	90	3.0	#152 ChaMPlane	2	row=83
0087.COMP	10	11:12	06:22:45.4	-00:10:09	300	90	3.0	#152 ChaMPlane	2	
0088-0097.BIAS	0	12:05	07:18:05.6	+16:32:25	300	90	3.0	#2 SN Observat	4	
0098-0105.FLAT	8	12:08	07:18:05.6	+16:32:25	300	90	3.0	#2 SN Observat	4	
0106-0115.BIAS	0	12:10	07:18:05.6	+16:32:25	300	90	3.0	#2 SN Observat	2	
0116-0125.FLAT	16	12:16	07:18:05.6	+16:32:25	300	90	3.0	#2 SN Observat	2	
0126-0135.DARK	900	15:38	07:18:05.6	+16:32:25	300	90	3.0	#2 SN Observat	4	
0136-0145.DARK	900	18:10	07:18:05.6	+16:32:25	300	90	3.0	#2 SN Observat	2	



UT Date 2004-11-13 Observers Modjaz

Coll. Focus 1020 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001.COMP	10	22:59	07:18:05.6	+16:32:25	300	90	3.0	#2 SN Observat	2	
0002-0011.BIAS	0	23:04	07:18:05.6	+16:32:25	300	90	3.0	#2 SN Observat	4	
0012-0019.FLAT	8	23:07	07:18:05.6	+16:32:25	300	90	3.0	#2 SN Observat	4	
0020-0029.BIAS	0	23:10	07:18:05.6	+16:32:25	300	90	3.0	#2 SN Observat	2	
0030-0039.FLAT	16	23:15	07:18:05.6	+16:32:25	300	90	3.0	#2 SN Observat	2	

UT Date 2004-11-15 Observers W. BrownColl. 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.BIAS	0	0:48	07:18:05.6	+16:32:25	300	90	3.0	#2 SN Observat	4	Cloudy, unlikely to open tonight.
0002-0010.BIAS	0	0:55	07:18:05.6	+16:32:25	300	90	3.0	#2 SN Observat	4	
0011-0020.DARK	900	3:13	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	4	
0021-0030.BIAS	0	3:29	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	4	
0031-0040.BIAS	0	3:31	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	2	
0041-0050.DARK	900	5:56	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	2	
0051-0060.BIAS	0	6:35	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	2	

UT Date 2004-11-16 Observers W. BrownColl. Focus 1000 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.BIAS	0	0:21	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	4	another cloudy night, this time with sleet
0002-0010.BIAS	0	0:22	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	4	
0011-0020.DARK	900	3:23	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	4	
0021-0030.BIAS	0	4:54	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	2	
0031-0034.DARK	900	6:12	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	2	
0035.COMP	5	6:33	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	2	starting to clear; doing focus test
0036.COMP	5	6:37	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	2	
0037.COMP	5	6:39	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	2	humidity 95-100%
0038-0044.DARK	900	13:20	07:18:05.6	+16:32:25	300	90	3.0	#56 standards	2	

UT Date 2004-11-17 Observers W. BrownColl. Focus 1015 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.COMP	10	23:34	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	Cloudy; focus test f=1000
0002.COMP	10	23:36	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	f=1020
0003.COMP	10	23:38	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	f=1040
0004.COMP	10	23:39	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	f=1060
0005.COMP	10	23:40	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	f=1080
0006.COMP	10	23:40	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	f=1100
0007.COMP	10	23:41	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	f=900
0008.COMP	10	23:42	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	f=920
0009.COMP	10	23:43	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	f=940
0010.COMP	10	23:43	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	f=960
0011.COMP	10	23:44	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	f=980; best foc=1015
0012.BIAS	0	23:50	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	10 bias
0013-0021.BIAS	0	23:51	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	
0022.DARK	600	23:52	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	10 darks
0023-0031.DARK	600	1:24	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	
0032.FLAT	24	1:34	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	10 flats
0033-0041.FLAT	24	1:39	07:18:05.6	+16:32:25	600	90	2.0	#56 standards	4	
0042.BDp284211	120	1:46	21:48:57.1	28:37:48	600	90	2.0	#56 Spectropho	4	clouds clearing out
0057.COMP.ms	5	1:10	2:10:00	32:00:00	300	90	3.0	#57 Velocity S	1	
0058.hs3138	216	1:51	23:36:33.5	4:25:04	600	90	2.0	#122 Halo Star	4	qfast altered the running number!



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0059.COMP	10	1:55	23:36:33.5	4:25:04	600	90	2.0	#122 Halo Star	4	
0060.BDp284211	120	1:56	21:48:57.1	28:37:48	600	90	2.0	#56 Spectropho	4	
0061.COMP	10	1:59	21:48:57.1	28:37:48	600	90	2.0	#56 Spectropho	4	
0062.hs3139	162	2:00	23:40:24.7	3:23:53	600	90	2.0	#122 Halo Star	4	
0063.COMP	10	2:03	23:40:24.7	3:23:53	600	90	2.0	#122 Halo Star	4	
0064.hs3140	330	2:04	23:42:50.8	3:46:27	600	90	2.0	#122 Halo Star	4	
0065.COMP	10	2:09	23:42:50.8	3:46:27	600	90	2.0	#122 Halo Star	4	
0066.hs3141	324	2:10	23:47:13.9	4:44:25	600	90	2.0	#122 Halo Star	4	
0067.COMP	10	2:16	23:47:13.9	4:44:25	600	90	2.0	#122 Halo Star	4	
0068.hs3142	360	2:17	23:51:20.0	3:06:24	600	90	2.0	#122 Halo Star	4	
0069.COMP	10	2:23	23:51:20.0	3:06:24	600	90	2.0	#122 Halo Star	4	
0070.hs3143	360	2:24	23:54:45.6	3:48:36	600	90	2.0	#122 Halo Star	4	
0071.COMP	10	2:30	23:54:45.6	3:48:36	600	90	2.0	#122 Halo Star	4	
0072.hs3144	420	2:31	23:55:53.7	1:21:38	600	90	2.0	#122 Halo Star	4	
0073.COMP	10	2:38	23:55:53.7	1:21:38	600	90	2.0	#122 Halo Star	4	
0074.hs3145	228	2:39	23:57:36.8	-1:44:10	600	90	2.0	#122 Halo Star	4	
0075.COMP	10	2:43	23:57:36.8	-1:44:10	600	90	2.0	#122 Halo Star	4	
0076.hs3146	270	2:44	0:00:24.4	-1:42:18	600	90	2.0	#122 Halo Star	4	
0077.COMP	10	2:49	0:00:24.4	-1:42:18	600	90	2.0	#122 Halo Star	4	
0078.hs3147	210	2:49	0:01:25.5	4:43:40	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0079.COMP	10	2:53	0:01:25.5	4:43:40	600	90	2.0	#122 Halo Star	4	
0080.hs3148	168	2:54	0:02:10.8	-1:49:38	600	90	2.0	#122 Halo Star	4	
0081.COMP	10	2:57	0:02:10.8	-1:49:38	600	90	2.0	#122 Halo Star	4	
0082.hs3149	408	2:59	0:03:50.0	4:57:00	600	90	2.0	#122 Halo Star	4	
0083.COMP	10	3:06	0:03:50.0	4:57:00	600	90	2.0	#122 Halo Star	4	
0084.hs3150	426	3:07	0:07:59.4	2:03:18	600	90	2.0	#122 Halo Star	4	
0085.COMP	10	3:14	0:07:59.4	2:03:18	600	90	2.0	#122 Halo Star	4	
0086.hs3151	504	3:16	0:08:10.6	3:25:43	600	90	2.0	#122 Halo Star	4	
0087.COMP	10	3:24	0:08:10.6	3:25:43	600	90	2.0	#122 Halo Star	4	
0088.hs3152	444	3:25	0:08:20.4	4:25:27	600	90	2.0	#122 Halo Star	4	
0089.COMP	10	3:33	0:08:20.4	4:25:27	600	90	2.0	#122 Halo Star	4	
0090.hs3153	222	3:34	0:12:27.7	3:54:31	600	90	2.0	#122 Halo Star	4	
0091.COMP	10	3:37	0:12:27.7	3:54:31	600	90	2.0	#122 Halo Star	4	
0092.hs3154	306	3:38	0:13:28.8	2:03:44	600	90	2.0	#122 Halo Star	4	
0093.COMP	10	3:44	0:13:28.8	2:03:44	600	90	2.0	#122 Halo Star	4	
0094.hs3155	198	3:45	0:15:40.5	1:52:40	600	90	2.0	#122 Halo Star	4	
0095.COMP	10	3:49	0:15:40.5	1:52:40	600	90	2.0	#122 Halo Star	4	
0096.hs3156	474	3:49	0:16:57.1	3:27:01	600	90	2.0	#122 Halo Star	4	
0097.COMP	10	3:58	0:16:57.1	3:27:01	600	90	2.0	#122 Halo Star	4	
0098.hs3157	558	3:58	0:18:07.4	2:16:51	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0099.COMP	10	4:08	0:18:07.4	2:16:51	600	90	2.0	#122 Halo Star	4	
0100.hs3158	258	4:08	0:28:09.4	-1:59:12	600	90	2.0	#122 Halo Star	4	
0101.COMP	10	4:13	0:28:09.4	-1:59:12	600	90	2.0	#122 Halo Star	4	
0102.hs3159	456	4:14	0:28:51.1	2:43:34	600	90	2.0	#122 Halo Star	4	
0103.COMP	10	4:22	0:28:51.1	2:43:34	600	90	2.0	#122 Halo Star	4	
0104.hs3160	156	4:22	0:30:16.6	3:21:57	600	90	2.0	#122 Halo Star	4	
0105.COMP	10	4:25	0:30:16.6	3:21:57	600	90	2.0	#122 Halo Star	4	
0106.hs3161	288	4:26	0:32:07.2	2:52:47	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	4:31	0:32:07.2	2:52:47	600	90	2.0	#122 Halo Star	4	
0108.hs3163	474	4:32	0:38:15.9	-1:59:14	600	90	2.0	#122 Halo Star	4	
0109.COMP	10	4:40	0:38:15.9	-1:59:14	600	90	2.0	#122 Halo Star	4	
0110.hs3162	528	4:41	0:35:30.9	2:41:16	600	90	2.0	#122 Halo Star	4	
0111.COMP	10	4:50	0:35:30.9	2:41:16	600	90	2.0	#122 Halo Star	4	
0112.hs3166	546	4:51	0:46:20.7	-1:54:22	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	5:00	0:46:20.7	-1:54:22	600	90	2.0	#122 Halo Star	4	
0114.hs3169	186	5:01	0:49:16.7	-1:32:49	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	5:05	0:49:16.7	-1:32:49	600	90	2.0	#122 Halo Star	4	
0116.hs3164	306	5:06	0:42:01.9	1:53:37	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	5:11	0:42:01.9	1:53:37	600	90	2.0	#122 Halo Star	4	
0118.hs3165	252	5:12	0:43:00.7	4:17:31	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
0119.COMP	10	5:17	0:43:00.7	4:17:31	600	90	2.0	#122 Halo Star	4	
0120.hs3167	366	5:17	0:47:42.9	2:21:39	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	5:24	0:47:42.9	2:21:39	600	90	2.0	#122 Halo Star	4	
0122.hs3168	180	5:25	0:49:04.3	2:25:15	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	5:28	0:49:04.3	2:25:15	600	90	2.0	#122 Halo Star	4	
0124.hs3176	400	5:29	1:07:52.9	-1:31:18	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	5:36	1:07:52.9	-1:31:18	600	90	2.0	#122 Halo Star	4	
0126.hs3173	252	5:36	1:00:01.9	-1:36:16	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	5:41	1:00:01.9	-1:36:16	600	90	2.0	#122 Halo Star	4	
0128.hs3175	210	5:42	1:05:56.8	-1:36:27	600	90	2.0	#122 Halo Star	4	
0129.COMP	10	5:46	1:05:56.8	-1:36:27	600	90	2.0	#122 Halo Star	4	
0130.hs3172	408	5:46	0:59:09.7	3:33:13	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	5:53	0:59:09.7	3:33:13	600	90	2.0	#122 Halo Star	4	
0132.hs3171	324	5:54	0:53:16.7	2:35:26	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	6:00	0:53:16.7	2:35:26	600	90	2.0	#122 Halo Star	4	
0134.hs3170	162	6:01	0:52:21.2	4:42:39	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	6:04	0:52:21.2	4:42:39	600	90	2.0	#122 Halo Star	4	
0136.hs3174	288	6:04	1:04:15.8	2:50:55	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	6:10	1:04:15.8	2:50:55	600	90	2.0	#122 Halo Star	4	
0138.hs3177	282	6:10	1:09:34.1	3:48:36	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0139.COMP	10	6:15	1:09:34.1	3:48:36	600	90	2.0	#122 Halo Star	4	
0140.hs3178	282	6:16	1:09:54.0	2:20:23	600	90	2.0	#122 Halo Star	4	
0141.COMP	10	6:21	1:09:54.0	2:20:23	600	90	2.0	#122 Halo Star	4	
0142.hs3179	210	6:22	1:14:03.6	4:25:22	600	90	2.0	#122 Halo Star	4	
0143.COMP	10	6:25	1:14:03.6	4:25:22	600	90	2.0	#122 Halo Star	4	
0144.hs3023	216	6:27	0:03:25.9	17:53:33	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	6:31	0:03:25.9	17:53:33	600	90	2.0	#122 Halo Star	4	
0146.hs3024	336	6:31	0:04:08.5	21:14:50	600	90	2.0	#122 Halo Star	4	
0147.COMP	10	6:37	0:04:08.5	21:14:50	600	90	2.0	#122 Halo Star	4	
0148.hs3025	384	6:38	0:04:12.9	23:40:30	600	90	2.0	#122 Halo Star	4	
0149.COMP	10	6:45	0:04:12.9	23:40:30	600	90	2.0	#122 Halo Star	4	
0150.hs3026	294	6:46	0:05:13.8	25:12:05	600	90	2.0	#122 Halo Star	4	
0151.COMP	10	6:51	0:05:13.8	25:12:05	600	90	2.0	#122 Halo Star	4	
0152.hs3389	522	6:52	1:39:18.9	21:02:22	600	90	2.0	#122 Halo Star	4	
0153.COMP	10	7:01	1:39:18.9	21:02:22	600	90	2.0	#122 Halo Star	4	
0154.hs3492	252	7:02	2:02:28.0	9:00:32	600	90	2.0	#122 Halo Star	4	
0155.COMP	10	7:08	2:02:28.0	9:00:32	600	90	2.0	#122 Halo Star	4	
0156.hs3493	240	7:09	2:02:29.5	8:21:19	600	90	2.0	#122 Halo Star	4	
0157.COMP	10	7:13	2:02:29.5	8:21:19	600	90	2.0	#122 Halo Star	4	
0158.hs3494	252	7:14	2:02:55.5	14:39:42	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
0159.COMP	10	7:18	2:02:55.5	14:39:42	600	90	2.0	#122 Halo Star	4	
0160.hs3495	396	7:19	2:03:06.4	9:16:52	600	90	2.0	#122 Halo Star	4	
0161.COMP	10	7:26	2:03:06.4	9:16:52	600	90	2.0	#122 Halo Star	4	
0162.hs3496	192	7:27	2:05:15.4	12:39:41	600	90	2.0	#122 Halo Star	4	
0163.COMP	10	7:30	2:05:15.4	12:39:41	600	90	2.0	#122 Halo Star	4	
0164.hs3497	288	7:31	2:06:56.1	14:38:58	600	90	2.0	#122 Halo Star	4	
0165.COMP	10	7:36	2:06:56.1	14:38:58	600	90	2.0	#122 Halo Star	4	
0166.hs3498	444	7:37	2:07:15.0	11:33:02	600	90	2.0	#122 Halo Star	4	
0167.COMP	10	7:45	2:07:15.0	11:33:02	600	90	2.0	#122 Halo Star	4	
0168.hs3499	198	7:45	2:08:08.1	11:23:47	600	90	2.0	#122 Halo Star	4	
0169.COMP	10	7:49	2:08:08.1	11:23:47	600	90	2.0	#122 Halo Star	4	
0170.hs3501	432	7:49	2:10:51.4	8:26:06	600	90	2.0	#122 Halo Star	4	
0171.COMP	10	7:57	2:10:51.4	8:26:06	600	90	2.0	#122 Halo Star	4	
0172.hs3502	234	7:58	2:11:40.1	5:38:14	600	90	2.0	#122 Halo Star	4	
0173.COMP	10	8:02	2:11:40.1	5:38:14	600	90	2.0	#122 Halo Star	4	
0174.hs3505	510	8:04	2:12:59.3	5:56:33	600	90	2.0	#122 Halo Star	4	
0175.COMP	10	8:13	2:12:59.3	5:56:33	600	90	2.0	#122 Halo Star	4	
0176.hs3503	366	8:14	2:12:11.9	6:16:07	600	90	2.0	#122 Halo Star	4	
0177.COMP	10	8:20	2:12:11.9	6:16:07	600	90	2.0	#122 Halo Star	4	
0178.hs3504	306	8:21	2:12:20.6	11:44:18	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
0179.COMP	10	8:26	2:12:20.6	11:44:18	600	90	2.0	#122 Halo Star	4	
0180.hs3500	246	8:27	2:08:41.1	14:41:51	600	90	2.0	#122 Halo Star	4	
0181.COMP	10	8:31	2:08:41.1	14:41:51	600	90	2.0	#122 Halo Star	4	
0182.hs3506	276	8:32	2:13:28.3	12:45:55	600	90	2.0	#122 Halo Star	4	
0183.COMP	10	8:37	2:13:28.3	12:45:55	600	90	2.0	#122 Halo Star	4	
0184.hs3548	510	8:38	2:42:15.9	5:07:01	600	90	2.0	#122 Halo Star	4	
0185.COMP	10	8:47	2:42:15.9	5:07:01	600	90	2.0	#122 Halo Star	4	
0186.hs3549	516	8:48	2:43:01.8	7:36:34	600	90	2.0	#122 Halo Star	4	
0187.COMP	10	8:57	2:43:01.8	7:36:34	600	90	2.0	#122 Halo Star	4	
0188.hs3547	354	8:57	2:41:35.2	9:13:52	600	90	2.0	#122 Halo Star	4	
0189.COMP	10	9:03	2:41:35.2	9:13:52	600	90	2.0	#122 Halo Star	4	
0190.hs3475	312	9:04	2:49:18.6	17:59:15	600	90	2.0	#122 Halo Star	4	humidity forced dome closure
0191.COMP	10	9:10	2:49:18.6	17:59:15	600	90	2.0	#122 Halo Star	4	
0192.FLAT	24	9:17	2:49:18.6	17:59:15	600	90	2.0	#122 Halo Star	4	flat x8
0193-0199.FLAT	24	9:21	2:49:18.6	17:59:15	600	90	2.0	#122 Halo Star	4	
0200.COMP	5	9:26	2:49:18.6	17:59:15	300	90	3.0	#56 standards	4	comp line test
0201.sn2004fz	900	9:30	02:01:06.4	+31:52:44	300	73	3.0	#2 SN Observat	2	humidity dropped a little
0202.COMP	10	9:45	02:01:06.4	+31:52:44	300	73	3.0	#2 SN Observat	2	
0203.Hiltner600	45	9:50	06:42:37.2	02:11:25	300	-12	3.0	#56 Spectropho	2	
0204.COMP	10	9:51	06:42:37.2	02:11:25	300	-12	3.0	#56 Spectropho	2	

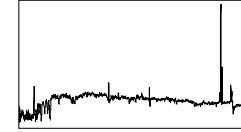
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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0205.McNeilposA	1200	9:56	05:46:14	-00:05:30	300	90	3.0	#112 Orion PMS	2	
0206.COMP	10	10:16	05:46:14	-00:05:30	300	90	3.0	#112 Orion PMS	2	
0207.McNeilposC	1200	10:17	05:46:13	-00:05:54	300	90	3.0	#112 Orion PMS	2	
0208.COMP	10	10:37	05:46:13	-00:05:54	300	90	3.0	#112 Orion PMS	2	
0209.Akn120	300	10:41	05:13:38.0	-00:12:15	300	36	3.0	#6 AGN Monitor	4	
0210.COMP	5	10:46	05:13:38.0	-00:12:15	300	36	3.0	#6 AGN Monitor	4	
0211.BGGem	300	10:50	6:03:31	27:41:50	300	70	3.0	#12 Symbiotic	4	
0212.COMP	5	10:55	6:03:31	27:41:50	300	70	3.0	#12 Symbiotic	4	
0213.BGGem	900	10:56	6:03:31	27:41:50	300	70	3.0	#12 Symbiotic	4	
0214.COMP	5	11:11	6:03:31	27:41:50	300	70	3.0	#12 Symbiotic	4	
0215.BXMon	15	11:14	7:25:23	-03:35:51	300	5	3.0	#12 Symbiotic	4	
0216.COMP	5	11:15	7:25:23	-03:35:51	300	5	3.0	#12 Symbiotic	4	
0217.BXMon	120	11:16	7:25:23	-03:35:51	300	5	3.0	#12 Symbiotic	4	
0218.COMP	5	11:19	7:25:23	-03:35:51	300	5	3.0	#12 Symbiotic	4	
0219.064018p21030.b	2100	11:25	6:43:11.6	20:58:58	300	90	3.0	#113 Interacti	4	
0220.COMP	5	12:00	6:43:11.6	20:58:58	300	90	3.0	#113 Interacti	4	
0221.070342p23580.a	1200	12:01	7:6:40.1	23:53:36	300	90	3.0	#113 Interacti	4	
0222.COMP	5	12:21	7:6:40.1	23:53:36	300	90	3.0	#113 Interacti	4	
0223.070342p23580.b	1401	12:31	7:6:48.7	23:52:25	300	-27	3.0	#113 Interacti	4	
0224.COMP	5	12:55	7:6:48.7	23:52:25	300	-27	3.0	#113 Interacti	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>
0225.Feige34	60	12:58	10:36:41.2	43:21:50	300	65	3.0	#56 Spectropho	4	
0226.COMP	5	13:00	10:36:41.2	43:21:50	300	65	3.0	#56 Spectropho	4	
0227.Feige34	120	13:00	10:36:41.2	43:21:50	300	65	3.0	#56 Spectropho	2	
0228.COMP	10	13:03	10:36:41.2	43:21:50	300	65	3.0	#56 Spectropho	2	
0229.FLAT	16	13:04	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	flat x10
0230-0238.FLAT	16	13:09	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0239.FLAT	8	13:10	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	flat x10
0240-0248.FLAT	8	13:12	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0249.BIAS	0	13:14	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	bias x10
0250-0258.BIAS	0	13:16	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0259.DARK	600	13:33	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	dark x10
0260-0268.DARK	600	15:05	10:36:41.2	43:21:50	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.BIAS	0	0:44	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	x10. Cloudy outside.
0002-0010.BIAS	0	0:45	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0011.BIAS	0	0:45	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	x10
0012-0020.BIAS	0	0:47	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0021.FLAT	16	0:48	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	x10
0022-0030.FLAT	16	0:52	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0031.FLAT	8	0:53	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	x10
0032-0040.FLAT	8	0:55	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0041.BDp284211	45	1:19	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	Mostly clear overhead.
0042.COMP	5	1:20	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0043.BDp284211	90	1:20	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0044.COMP	10	1:22	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0045.BDp174708	20	1:24	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	Clouds are increasing.
0046.COMP	5	1:24	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	
0047.BDp174708	45	1:25	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0048.COMP	10	1:26	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	Closed dome due to clouds.
0049.BIAS	0	1:51	20:35:25.4	60:07:17	600	90	2.0	#56 Standards	4	x10
0050-0058.BIAS	0	1:52	20:35:25.4	60:07:17	600	90	2.0	#56 Standards	4	
0059.FLAT	24	1:52	20:35:25.4	60:07:17	600	90	2.0	#56 Standards	4	x10
0060-0068.FLAT	24	1:57	20:35:25.4	60:07:17	600	90	2.0	#56 Standards	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0069-0070.DARK	600	2:08	20:35:25.4	60:07:17	600	90	2.0	#56 Standards	4	
0071.DARK	600	2:18	20:35:25.4	60:07:17	600	90	2.0	#56 Standards	4	Clouds thinning out.
0072.BDp284211	90	2:34	21:48:57.1	28:37:48	600	90	2.0	#56 Spectropho	4	
0073.COMP	10	2:36	21:48:57.1	28:37:48	600	90	2.0	#56 Spectropho	4	
0074.hs3064	400	2:37	23:18:34.5	13:51:26	600	90	2.0	#122 Halo Star	4	Observing through clouds.
0075.COMP	10	2:44	23:18:34.5	13:51:26	600	90	2.0	#122 Halo Star	4	
0076.hs3065	400	2:45	23:20:07.7	12:37:46	600	90	2.0	#122 Halo Star	4	
0077.COMP	10	2:52	23:20:07.7	12:37:46	600	90	2.0	#122 Halo Star	4	
0078.hs3066	200	2:52	23:22:32.5	12:32:14	600	90	2.0	#122 Halo Star	4	
0079.COMP	10	2:56	23:22:32.5	12:32:14	600	90	2.0	#122 Halo Star	4	
0080.hs3067	360	2:57	23:22:44.9	14:47:16	600	90	2.0	#122 Halo Star	4	
0081.COMP	10	3:03	23:22:44.9	14:47:16	600	90	2.0	#122 Halo Star	4	
0082.hs3068	360	3:03	23:23:35.8	13:16:43	600	90	2.0	#122 Halo Star	4	
0083.COMP	10	3:10	23:23:35.8	13:16:43	600	90	2.0	#122 Halo Star	4	
0084.hs3069	660	3:11	23:24:11.3	10:20:16	600	90	2.0	#122 Halo Star	4	
0085.COMP	10	3:22	23:24:11.3	10:20:16	600	90	2.0	#122 Halo Star	4	
0086.hs3070	480	3:23	23:24:22.3	14:04:04	600	90	2.0	#122 Halo Star	4	
0087.COMP	10	3:31	23:24:22.3	14:04:04	600	90	2.0	#122 Halo Star	4	
0088.hs3071	480	3:32	23:25:02.0	12:29:57	600	90	2.0	#122 Halo Star	4	
0089.COMP	10	3:40	23:25:02.0	12:29:57	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.hs3072	460	3:41	23:26:52.4	12:30:21	600	90	2.0	#122 Halo Star	4	
0091.COMP	10	3:49	23:26:52.4	12:30:21	600	90	2.0	#122 Halo Star	4	
0092.hs3073	330	3:50	23:29:19.3	9:37:18	600	90	2.0	#122 Halo Star	4	
0093.COMP	10	3:56	23:29:19.3	9:37:18	600	90	2.0	#122 Halo Star	4	
0094.hs3074	380	3:57	23:30:13.3	8:26:05	600	90	2.0	#122 Halo Star	4	
0095.COMP	10	4:04	23:30:13.3	8:26:05	600	90	2.0	#122 Halo Star	4	
0096.hs3075	180	4:05	23:31:12.8	9:10:00	600	90	2.0	#122 Halo Star	4	
0097.COMP	10	4:09	23:31:12.8	9:10:00	600	90	2.0	#122 Halo Star	4	
0098.hs3076	420	4:10	23:32:14.0	11:37:01	600	90	2.0	#122 Halo Star	4	junk; clouds socked in
0099.COMP	10	4:18	23:32:14.0	11:37:01	600	90	2.0	#122 Halo Star	4	
0100-0103.DARK	600	5:15	23:32:14.0	11:37:01	600	90	2.0	#56 Standards	4	
0104-0105.DARK	600	5:35	1:19:03.4	1:58:41	600	90	2.0	#122 Halo Star	4	
0106.hs3180	168	5:59	1:19:03.4	1:58:41	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	6:02	1:19:03.4	1:58:41	600	90	2.0	#122 Halo Star	4	clouds suck
0108.hs3180	168	6:18	1:19:03.4	1:58:41	600	90	2.0	#122 Halo Star	4	had to do this twice
0109.COMP	10	6:21	1:19:03.4	1:58:41	600	90	2.0	#122 Halo Star	4	
0110.hs3448	600	8:00	2:24:10.8	16:47:44	600	90	2.0	#122 Halo Star	4	
0111.COMP	10	8:10	2:24:10.8	16:47:44	600	90	2.0	#122 Halo Star	4	
0112.hs3449	600	8:12	2:25:05.3	20:52:12	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	8:23	2:25:05.3	20:52:12	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0114.hs3450	600	8:24	2:26:19.8	18:07:29	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	8:34	2:26:19.8	18:07:29	600	90	2.0	#122 Halo Star	4	
0116.hs3452	260	8:35	2:27:33.0	19:12:33	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	8:39	2:27:33.0	19:12:33	600	90	2.0	#122 Halo Star	4	
0118.hs3453	300	8:41	2:27:39.8	19:10:30	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	8:46	2:27:39.8	19:10:30	600	90	2.0	#122 Halo Star	4	
0120.hs3455	300	8:48	2:28:14.8	21:17:07	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	8:54	2:28:14.8	21:17:07	600	90	2.0	#122 Halo Star	4	
0122.hs3456	300	8:55	2:28:56.1	20:58:51	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	9:00	2:28:56.1	20:58:51	600	90	2.0	#122 Halo Star	4	
0124.hs3490	540	9:38	3:08:36.5	16:03:56	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	9:48	3:08:36.5	16:03:56	600	90	2.0	#122 Halo Star	4	
0127.hs3491	660	10:04	3:09:08.5	15:57:48	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	10:15	3:09:08.5	15:57:48	600	90	2.0	#122 Halo Star	4	
0129.COMP	5	10:21	3:09:08.5	15:57:48	300	90	3.0	#56 standards	4	test 300 line
0130.cvso-35622	300	10:24	05:36:28.7	+00:13:00	300	90	3.0	#112 Orion PMS	4	
0131.COMP	5	10:29	05:36:28.7	+00:13:00	300	90	3.0	#112 Orion PMS	4	
0132.cvso-35207	240	10:30	05:14:52.4	+01:54:47	300	90	3.0	#112 Orion PMS	4	
0133.COMP	5	10:35	05:14:52.4	+01:54:47	300	90	3.0	#112 Orion PMS	4	
0134.cvso-35898	300	10:36	05:36:44.0	-00:00:00	300	90	3.0	#112 Orion PMS	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0135.COMP	5	10:41	05:36:44.0	-00:00:00	300	90	3.0	#112 Orion PMS	4	
0136.cvso-35696	240	10:42	05:36:32.0	-00:04:42	300	90	3.0	#112 Orion PMS	4	
0137.COMP	5	10:46	05:36:32.0	-00:04:42	300	90	3.0	#112 Orion PMS	4	
0138.cvso-36209	240	10:47	05:37:06.2	+00:08:55	300	90	3.0	#112 Orion PMS	4	
0139.COMP	5	10:51	05:37:06.2	+00:08:55	300	90	3.0	#112 Orion PMS	4	
0140.cvso-36461	300	10:52	05:37:26.7	+00:13:07	300	90	3.0	#112 Orion PMS	4	
0141.COMP	5	10:57	05:37:26.7	+00:13:07	300	90	3.0	#112 Orion PMS	4	
0142.cvso-36141	270	10:58	05:36:59.8	-00:13:50	300	90	3.0	#112 Orion PMS	4	
0143.COMP	5	11:03	05:36:59.8	-00:13:50	300	90	3.0	#112 Orion PMS	4	
0144.cvso-36956	210	11:04	05:37:58.6	-00:09:51	300	90	3.0	#112 Orion PMS	4	
0145.COMP	5	11:08	05:37:58.6	-00:09:51	300	90	3.0	#112 Orion PMS	4	
0146.cvso-37820	210	11:09	05:38:50.4	-00:14:31	300	90	3.0	#112 Orion PMS	4	
0147.COMP	5	11:13	05:38:50.4	-00:14:31	300	90	3.0	#112 Orion PMS	4	
0148.cvso-37973	270	11:13	05:39:03.3	-00:01:17	300	90	3.0	#112 Orion PMS	4	
0149.COMP	5	11:18	05:39:03.3	-00:01:17	300	90	3.0	#112 Orion PMS	4	
0150.cvso-43629	270	11:19	05:22:52.1	+00:51:56	300	90	3.0	#112 Orion PMS	4	
0151.COMP	5	11:24	05:22:52.1	+00:51:56	300	90	3.0	#112 Orion PMS	4	
0152.cvso-43520	300	11:25	05:22:52.2	+01:12:32	300	90	3.0	#112 Orion PMS	4	
0153.COMP	5	11:30	05:22:52.2	+01:12:32	300	90	3.0	#112 Orion PMS	4	
0154.cvso-48519	300	11:31	05:37:02.1	-00:28:35	300	90	3.0	#112 Orion PMS	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0155.COMP	5	11:36	05:37:02.1	-00:28:35	300	90	3.0	#112 Orion PMS	4	
0156.cvso-59933	210	11:37	05:35:44.8	+01:34:27	300	90	3.0	#112 Orion PMS	4	
0157.COMP	5	11:41	05:35:44.8	+01:34:27	300	90	3.0	#112 Orion PMS	4	
0158.cvso-60654	330	11:41	05:37:11.0	+01:27:48	300	90	3.0	#112 Orion PMS	4	
0159.COMP	5	11:47	05:37:11.0	+01:27:48	300	90	3.0	#112 Orion PMS	4	
0160.XS00095B8_002	300	11:48	06:22:38.9	-00:12:58	300	90	3.0	#152 ChaMPlane	4	
0161.COMP	5	11:54	06:22:38.9	-00:12:58	300	90	3.0	#152 ChaMPlane	4	
0162.XS00095B8_006	900	11:56	06:22:31.9	-00:11:39	300	90	3.0	#152 ChaMPlane	4	clouds came in; this is probably junk
0163.COMP	5	12:11	06:22:31.9	-00:11:39	300	90	3.0	#152 ChaMPlane	4	
0164.Feige34	240	12:19	10:36:41.2	43:21:50	300	72	3.0	#56 Spectropho	4	
0165.COMP	5	12:24	10:36:41.2	43:21:50	300	72	3.0	#56 Spectropho	4	
0166.HD84937	90	12:26	09:48:56.1	13:44:39	300	-32	3.0	#56 Spectropho	4	
0167.COMP	5	12:28	09:48:56.1	13:44:39	300	-32	3.0	#56 Spectropho	4	
0169.FLAT	8	12:31	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	x10
0170-0178.FLAT	8	12:33	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.COMP	5	0:15	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0002.COMP	5	0:17	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0003-0012.BIAS	0	0:20	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0013-0022.FLAT	8	0:23	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	4	
0023-0032.BIAS	0	0:26	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0033-0042.FLAT	16	0:31	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0043.COMP	5	1:03	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0044.BDp284211	45	1:09	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0045.COMP	5	1:10	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0046.BDp284211	180	1:11	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0047.COMP	5	1:15	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0048.BDp174708	20	1:20	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0049.COMP	5	1:21	22:11:31.4	18:05:34	300	20	3.0	#56 Spectropho	2	
0050.BDp174708	20	1:23	22:11:31.4	18:05:34	300	-50	3.0	#56 Spectropho	2	
0051.COMP	5	1:24	22:11:31.4	18:05:34	300	-50	3.0	#56 Spectropho	2	
0052.BIAS	0	1:51	20:35:25.4	60:07:17	600	90	2.0	#56 Standards	4	
0052.sn2004fu	450	1:31	20:35:11.6	+64:48:26	300	68	3.0	#2 SN Observat	2	
0053.COMP	5	1:39	20:35:11.6	+64:48:26	300	68	3.0	#2 SN Observat	2	
0054.sn2004fu	450	1:40	20:35:11.6	+64:48:26	300	68	3.0	#2 SN Observat	2	
0055.COMP	5	1:48	20:35:11.6	+64:48:26	300	68	3.0	#2 SN Observat	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0057.COMP.ms	5	1:10	2:10:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0058.sn2004et	600	1:54	20:35:25.4	+60:07:17	300	73	3.0	#2 SN Observat	2	
0059.COMP	5	2:05	20:35:25.4	+60:07:17	300	73	3.0	#2 SN Observat	2	
0060.sn2004fe	1800	2:11	00:30:11.2	+02:05:23	300	20	3.0	#2 SN Observat	2	
0061.COMP	5	2:42	00:30:11.2	+02:05:23	300	20	3.0	#2 SN Observat	2	
0062.COMP	5	2:49	23:32:51.4	13:59:17	300	90	3.0	#122 Halo Star	4	
0063-0072.BIAS	0	2:50	23:32:51.4	13:59:17	300	90	3.0	Kirshner SN	4	
0073-0082.FLAT	24	2:55	23:32:51.4	13:59:17	300	90	3.0	#122 Halo Star	4	
0083.hs3077	198	2:59	23:32:51.4	13:59:17	300	90	3.0	#122 Halo Star	4	
0084.COMP	5	3:02	23:32:51.4	13:59:17	300	90	3.0	#122 Halo Star	4	
0085.hs3076	294	3:04	23:32:14.0	11:37:01	300	90	3.0	#122 Halo Star	4	
0086.COMP	5	3:09	23:32:14.0	11:37:01	300	90	3.0	#122 Halo Star	4	
0087.BDp284211	50	3:11	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0088.COMP	5	3:12	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0089.BDp284211	50	3:12	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0090.COMP	5	3:13	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0091.hs3078	558	3:15	23:34:23.1	5:21:47	300	90	3.0	#122 Halo Star	4	
0092.COMP	5	3:25	23:34:23.1	5:21:47	300	90	3.0	#122 Halo Star	4	
0093.hs3079	540	3:26	23:37:57.3	14:05:27	300	90	3.0	#122 Halo Star	4	
0094.COMP	5	3:35	23:37:57.3	14:05:27	300	90	3.0	#122 Halo Star	4	

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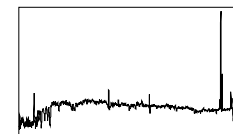
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0095.hs3080	156	3:37	23:38:41.9	12:27:13	300	90	3.0	#122 Halo Star	4	
0096.COMP	5	3:40	23:38:41.9	12:27:13	300	90	3.0	#122 Halo Star	4	
0097.hs3081	480	3:41	23:39:01.6	14:09:19	300	90	3.0	#122 Halo Star	4	
0098.COMP	5	3:49	23:39:01.6	14:09:19	300	90	3.0	#122 Halo Star	4	
0099.hs3082	354	3:49	23:40:20.8	12:18:57	300	90	3.0	#122 Halo Star	4	
0100.COMP	5	3:57	23:40:20.8	12:18:57	300	90	3.0	#122 Halo Star	4	
0101.hs3083	180	3:58	23:40:35.9	7:34:45	300	90	3.0	#122 Halo Star	4	
0102.COMP	5	4:01	23:40:35.9	7:34:45	300	90	3.0	#122 Halo Star	4	
0103.hs3084	390	4:02	23:41:21.8	11:32:27	300	90	3.0	#122 Halo Star	4	
0104.COMP	5	4:09	23:41:21.8	11:32:27	300	90	3.0	#122 Halo Star	4	
0105.hs3085	432	4:10	23:41:32.3	6:30:43	300	90	3.0	#122 Halo Star	4	
0106.COMP	5	4:17	23:41:32.3	6:30:43	300	90	3.0	#122 Halo Star	4	
0107.hs3086	324	4:18	23:41:44.4	8:09:02	300	90	3.0	#122 Halo Star	4	
0108.COMP	5	4:24	23:41:44.4	8:09:02	300	90	3.0	#122 Halo Star	4	
0109.hs3087	162	4:25	23:41:46.1	14:56:49	300	90	3.0	#122 Halo Star	4	
0110.COMP	5	4:28	23:41:46.1	14:56:49	300	90	3.0	#122 Halo Star	4	
0111.hs3088	342	4:29	23:42:49.2	11:14:18	300	90	3.0	#122 Halo Star	4	
0112.COMP	5	4:35	23:42:49.2	11:14:18	300	90	3.0	#122 Halo Star	4	
0113.hs3089	384	4:36	23:44:25.5	7:23:15	300	90	3.0	#122 Halo Star	4	
0114.COMP	5	4:43	23:44:25.5	7:23:15	300	90	3.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0115.hs3090	516	4:44	23:45:02.4	8:34:32	300	90	3.0	#122 Halo Star	4	
0116.COMP	5	4:53	23:45:02.4	8:34:32	300	90	3.0	#122 Halo Star	4	
0117.hs3091	282	4:53	23:46:28.2	10:05:22	300	90	3.0	#122 Halo Star	4	
0118.COMP	5	4:58	23:46:28.2	10:05:22	300	90	3.0	#122 Halo Star	4	
0119.hs3092	540	5:00	23:46:59.4	5:18:17	300	90	3.0	#122 Halo Star	4	
0120.COMP	5	5:09	23:46:59.4	5:18:17	300	90	3.0	#122 Halo Star	4	
0121.hs3093	516	5:10	23:47:55.1	12:02:19	300	90	3.0	#122 Halo Star	4	
0122.COMP	5	5:19	23:47:55.1	12:02:19	300	90	3.0	#122 Halo Star	4	
0123.hs3094	258	5:20	23:47:57.7	14:07:47	300	90	3.0	#122 Halo Star	4	
0124.COMP	5	5:24	23:47:57.7	14:07:47	300	90	3.0	#122 Halo Star	4	
0125.hs3095	342	5:26	23:48:22.9	7:44:15	300	90	3.0	#122 Halo Star	4	
0126.COMP	5	5:31	23:48:22.9	7:44:15	300	90	3.0	#122 Halo Star	4	
0127.hs3181	438	5:34	1:19:56.6	3:47:18	300	31	3.0	#122 Halo Star	4	
0128.COMP	5	5:41	1:19:56.6	3:47:18	300	31	3.0	#122 Halo Star	4	
0129.hs3182	162	5:42	1:23:03.8	1:57:28	300	31	3.0	#122 Halo Star	4	
0130.COMP	5	5:45	1:23:03.8	1:57:28	300	31	3.0	#122 Halo Star	4	
0131.hs3183	510	5:48	1:27:38.5	4:09:22	300	90	3.0	#122 Halo Star	4	
0132.COMP	5	5:57	1:27:38.5	4:09:22	300	90	3.0	#122 Halo Star	4	
0133.hs3184	378	5:58	1:30:29.5	3:04:04	300	90	3.0	#122 Halo Star	4	
0134.COMP	5	6:05	1:30:29.5	3:04:04	300	90	3.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0135.hs3185	348	6:06	1:30:43.3	3:54:57	300	90	3.0	#122 Halo Star	4	
0136.COMP	5	6:12	1:30:43.3	3:54:57	300	90	3.0	#122 Halo Star	4	
0137.hs3186	216	6:13	1:34:22.3	1:43:54	300	90	3.0	#122 Halo Star	4	
0138.COMP	5	6:16	1:34:22.3	1:43:54	300	90	3.0	#122 Halo Star	4	
0139.hs3187	438	6:17	1:34:28.4	2:04:21	300	90	3.0	#122 Halo Star	4	
0140.COMP	5	6:25	1:34:28.4	2:04:21	300	90	3.0	#122 Halo Star	4	
0141.hs3457	432	6:27	2:31:08.9	21:38:28	300	90	3.0	#122 Halo Star	4	
0142.COMP	5	6:34	2:31:08.9	21:38:28	300	90	3.0	#122 Halo Star	4	
0143.hs3458	192	6:35	2:31:54.5	16:25:55	300	90	3.0	#122 Halo Star	4	
0144.COMP	5	6:38	2:31:54.5	16:25:55	300	90	3.0	#122 Halo Star	4	
0145.hs3459	264	6:40	2:33:10.0	15:27:38	300	90	3.0	#122 Halo Star	4	
0146.COMP	5	6:44	2:33:10.0	15:27:38	300	90	3.0	#122 Halo Star	4	
0147.hs3460	258	6:45	2:33:25.0	16:03:36	300	90	3.0	#122 Halo Star	4	
0148.COMP	5	6:50	2:33:25.0	16:03:36	300	90	3.0	#122 Halo Star	4	
0149.hs3461	240	6:50	2:34:18.3	18:32:16	300	90	3.0	#122 Halo Star	4	
0150.COMP	5	6:54	2:34:18.3	18:32:16	300	90	3.0	#122 Halo Star	4	
0151.hs3445	522	6:55	2:22:47.5	20:27:26	300	90	3.0	#122 Halo Star	4	
0152.COMP	5	7:04	2:22:47.5	20:27:26	300	90	3.0	#122 Halo Star	4	
0153.hs3454	414	7:05	2:27:58.3	21:20:20	300	90	3.0	#122 Halo Star	4	
0154.COMP	5	7:13	2:27:58.3	21:20:20	300	90	3.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0155.hs3462	564	7:13	2:37:04.3	19:20:17	300	90	3.0	#122 Halo Star	4	
0156.COMP	5	7:23	2:37:04.3	19:20:17	300	90	3.0	#122 Halo Star	4	
0157.hs3464	420	7:24	2:38:36.0	17:33:45	300	90	3.0	#122 Halo Star	4	
0158.COMP	5	7:31	2:38:36.0	17:33:45	300	90	3.0	#122 Halo Star	4	
0159.hs3463	204	7:32	2:38:32.3	15:24:42	300	90	3.0	#122 Halo Star	4	
0160.COMP	5	7:38	2:38:32.3	15:24:42	300	90	3.0	#122 Halo Star	4	
0161.hs3465	600	7:40	2:39:38.8	19:31:21	300	90	3.0	#122 Halo Star	4	
0162.COMP	5	7:50	2:39:38.8	19:31:21	300	90	3.0	#122 Halo Star	4	
0163.hs3784	700	7:52	4:11:33.9	-0:30:45	300	90	3.0	#122 Halo Star	4	
0164.COMP	5	8:04	4:11:33.9	-0:30:45	300	90	3.0	#122 Halo Star	4	
0165.hs3686	900	8:48	3:50:05.3	6:42:08	300	90	3.0	#122 Halo Star	4	
0166.COMP	5	9:09	3:50:05.3	6:42:08	300	90	3.0	#122 Halo Star	4	
0167.hs3685	1500	9:10	3:49:23.8	5:28:50	300	90	3.0	#122 Halo Star	4	
0168.COMP	5	9:35	3:49:23.8	5:28:50	300	90	3.0	#122 Halo Star	4	
0169.hs3783	650	9:38	4:09:34.3	0:11:37	300	90	3.0	#122 Halo Star	4	
0170.COMP	5	9:49	4:09:34.3	0:11:37	300	90	3.0	#122 Halo Star	4	
0171.hs3777	650	9:51	4:03:33.8	2:16:33	300	90	3.0	#122 Halo Star	4	
0172.COMP	5	10:02	4:03:33.8	2:16:33	300	90	3.0	#122 Halo Star	4	
0173.hs3776	552	10:07	4:02:47.8	1:13:08	300	90	3.0	#122 Halo Star	4	
0174.COMP	5	10:16	4:02:47.8	1:13:08	300	90	3.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0175.hs3776	552	10:17	4:02:47.8	1:13:08	300	90	3.0	#122 Halo Star	4	
0176.COMP	5	10:27	4:02:47.8	1:13:08	300	90	3.0	#122 Halo Star	4	
0177.hs3778	550	10:28	4:04:47.6	1:51:05	300	90	3.0	#122 Halo Star	4	
0178.COMP	5	10:37	4:04:47.6	1:51:05	300	90	3.0	#122 Halo Star	4	
0179.COMP	5	10:52	4:04:47.6	1:51:05	300	90	3.0	#122 Halo Star	2	
0180.cvso-64340	240	10:58	05:39:10.9	+02:02:30	300	90	3.0	#112 Orion PMS	2	
0181.COMP	5	11:02	05:39:10.9	+02:02:30	300	90	3.0	#112 Orion PMS	2	
0182.cvso-64358	240	11:04	05:39:11.7	+01:41:27	300	90	3.0	#112 Orion PMS	2	
0183.COMP	5	11:08	05:39:11.7	+01:41:27	300	90	3.0	#112 Orion PMS	2	
0184.cvso-64400	240	11:09	05:39:14.2	+01:35:53	300	90	3.0	#112 Orion PMS	2	
0185.COMP	5	11:14	05:39:14.2	+01:35:53	300	90	3.0	#112 Orion PMS	2	
0186.cvso-64665	240	11:15	05:39:27.0	+01:40:12	300	90	3.0	#112 Orion PMS	2	
0187.COMP	5	11:19	05:39:27.0	+01:40:12	300	90	3.0	#112 Orion PMS	2	
0188.cvso-58220	240	11:20	05:34:28.0	+01:41:03	300	90	3.0	#112 Orion PMS	2	
0189.COMP	5	11:24	05:34:28.0	+01:41:03	300	90	3.0	#112 Orion PMS	2	
0190.cvso-58316	240	11:26	05:34:32.5	+01:41:16	300	90	3.0	#112 Orion PMS	2	
0191.COMP	5	11:30	05:34:32.5	+01:41:16	300	90	3.0	#112 Orion PMS	2	
0192.cvso-55923	240	11:31	05:33:10.5	+01:26:04	300	90	3.0	#112 Orion PMS	2	
0193.COMP	5	11:36	05:33:10.5	+01:26:04	300	90	3.0	#112 Orion PMS	2	
0194.cvso-53716	240	11:39	05:30:53.5	+02:00:07	300	90	3.0	#112 Orion PMS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0195.COMP	5	11:43	05:30:53.5	+02:00:07	300	90	3.0	#112 Orion PMS	2	
0196.cvso-52505	240	11:45	05:29:58.4	+02:03:59	300	90	3.0	#112 Orion PMS	2	
0197.COMP	5	11:50	05:29:58.4	+02:03:59	300	90	3.0	#112 Orion PMS	2	
0198.cvso-52727	240	11:51	05:30:08.0	+01:49:11	300	90	3.0	#112 Orion PMS	2	
0199.COMP	5	11:55	05:30:08.0	+01:49:11	300	90	3.0	#112 Orion PMS	2	
0200.GD140	240	11:57	11:34:27.5	30:04:27	300	90	3.0	#56 Spectropho	2	
0201.COMP	5	12:02	11:34:27.5	30:04:27	300	90	3.0	#56 Spectropho	2	
0202.HD84937	90	12:05	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0203.COMP	5	12:06	09:48:56.1	13:44:39	300	90	3.0	#56 Spectropho	2	
0204.Feige34	120	12:09	10:36:41.2	43:21:50	300	19	3.0	#56 Spectropho	2	
0205.COMP	5	12:11	10:36:41.2	43:21:50	300	19	3.0	#56 Spectropho	2	
0206.HD84937	5	12:13	09:48:56.1	13:44:39	300	34	3.0	#56 Spectropho	2	
0207.COMP	5	12:13	09:48:56.1	13:44:39	300	34	3.0	#56 Spectropho	2	
0208.N3227	150	12:15	10:23:30.6	+19:51:54	300	24	3.0	#6 AGN Monitor	4	
0209.N3227	150	12:18	10:23:30.6	+19:51:54	300	24	3.0	#6 AGN Monitor	4	
0210.COMP	5	12:20	10:23:30.6	+19:51:54	300	24	3.0	#6 AGN Monitor	4	
0211.N4051	150	12:22	12:03:09.7	+44:31:53	300	0	3.0	#6 AGN Monitor	4	
0212.N4051	150	12:25	12:03:09.7	+44:31:53	300	0	3.0	#6 AGN Monitor	4	
0213.N4051	150	12:28	12:03:09.7	+44:31:53	300	0	3.0	#6 AGN Monitor	4	
0214.COMP	5	12:30	12:03:09.7	+44:31:53	300	0	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0215.N4151	30	12:32	12:10:32.6	+39:24:21	300	-1	3.0	#6 AGN Monitor	4	
0216.N4151	30	12:32	12:10:32.6	+39:24:21	300	-1	3.0	#6 AGN Monitor	4	
0217.COMP	5	12:33	12:10:32.6	+39:24:21	300	-1	3.0	#6 AGN Monitor	4	
0218.MRK421	200	12:34	11:04:27.4	+38:12:32	300	-1	3.0	#6 AGN Monitor	4	
0219.MRK421	200	12:38	11:04:27.4	+38:12:32	300	-1	3.0	#6 AGN Monitor	4	
0220.COMP	5	12:41	11:04:27.4	+38:12:32	300	-1	3.0	#6 AGN Monitor	4	
0221.cvso-54220	280	12:45	05:31:41.9	+00:55:47	300	58	3.0	#112 Orion PMS	2	
0222.COMP	5	12:50	05:31:41.9	+00:55:47	300	58	3.0	#112 Orion PMS	2	
0223.cvso-54220	450	12:52	05:31:41.9	+00:55:47	300	58	3.0	#112 Orion PMS	2	
0224.COMP	5	13:00	05:31:41.9	+00:55:47	300	58	3.0	#112 Orion PMS	2	
0225-0234.BIAS	0	13:12	05:31:41.9	+00:55:47	300	58	3.0	#56 Spectropho	4	
0235-0244.FLAT	8	13:15	05:31:41.9	+00:55:47	300	58	3.0	#56 Spectropho	4	
0245-0254.BIAS	0	13:18	05:31:41.9	+00:55:47	300	58	3.0	#56 Spectropho	2	
0255-0264.FLAT	16	13:23	05:31:41.9	+00:55:47	300	58	3.0	#56 Spectropho	2	

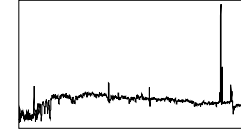


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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	1:40	05:31:41.9	+00:55:47	300	90	3.0	#56 Spectropho	4	
0011-0020.FLAT	8	1:43	05:31:41.9	+00:55:47	300	90	3.0	#56 Spectropho	4	
0021-0030.BIAS	0	1:46	05:31:41.9	+00:55:47	300	90	3.0	#56 Spectropho	2	
0031-0040.FLAT	16	1:51	05:31:41.9	+00:55:47	300	90	3.0	#56 Spectropho	2	
0041.BDp284211	40	1:59	21:48:57.1	28:37:48	300	69	3.0	#56 Spectropho	2	
0042.BDp284211	40	2:01	21:48:57.1	28:37:48	300	69	3.0	#56 Spectropho	2	
0043.COMP	5	2:02	21:48:57.1	28:37:48	300	69	3.0	#56 Spectropho	2	
0044.BDp174708	15	2:04	22:11:31.4	18:05:34	300	21	3.0	#56 Spectropho	2	
0045.BDp174708	40	2:05	22:11:31.4	18:05:34	300	21	3.0	#56 Spectropho	2	
0046.COMP	5	2:06	22:11:31.4	18:05:34	300	21	3.0	#56 Spectropho	2	
0047.sn2004fu	900	2:23	20:35:11.6	+64:48:26	300	-49	3.0	#2 SN Observat	2	
0048.COMP	5	2:38	20:35:11.6	+64:48:26	300	-49	3.0	#2 SN Observat	2	
0049.MRK335	200	2:47	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0050.MRK335	200	2:50	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0051.COMP	5	2:54	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0052.Akn564	180	2:55	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0053.Akn564	180	2:59	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0054.COMP	5	3:02	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0057.BIAS	0	3:55	02:02:12.7	-00:05:51	300	90	3.0	SN Observation	4	thick clouds, switching to 600 grating
0058-0066.BIAS	0	3:56	02:02:12.7	-00:05:51	300	90	3.0	SN Observation	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0067.FLAT	24	3:57	02:02:12.7	-00:05:51	300	90	3.0	#56 - Spectrop	4	
0068-0076.FLAT	24	4:02	02:02:12.7	-00:05:51	600	90	3.0	#56 - Spectrop	4	
0077.BDp284211	40	4:05	21:48:57.1	28:37:48	600	90	3.0	#56 Spectropho	4	
0078.BDp284211	40	4:06	21:48:57.1	28:37:48	600	90	3.0	#56 Spectropho	4	
0079.COMP	5	4:07	21:48:57.1	28:37:48	600	90	3.0	#56 Spectropho	4	
0080.hs3096	216	4:09	23:50:13.4	13:41:33	600	90	3.0	#122 Halo Star	4	
0081.COMP	5	4:13	23:50:13.4	13:41:33	600	90	3.0	#122 Halo Star	4	
0082.hs3097	246	4:15	23:50:57.2	8:45:41	600	90	3.0	#122 Halo Star	4	
0083.COMP	5	4:20	23:50:57.2	8:45:41	600	90	3.0	#122 Halo Star	4	
0084.hs3098	216	4:21	23:54:19.0	13:02:02	600	90	3.0	#122 Halo Star	4	
0085.COMP	5	4:25	23:54:19.0	13:02:02	600	90	3.0	#122 Halo Star	4	
0086.hs3099	198	4:26	23:54:25.6	9:27:21	600	90	3.0	#122 Halo Star	4	
0087.COMP	5	4:29	23:54:25.6	9:27:21	600	90	3.0	#122 Halo Star	4	
0088.hs3100	174	4:31	23:54:39.1	7:46:50	600	90	3.0	#122 Halo Star	4	
0089.COMP	5	4:34	23:54:39.1	7:46:50	600	90	3.0	#122 Halo Star	4	
0090.hs3101	474	4:35	23:55:18.5	13:39:55	600	90	3.0	#122 Halo Star	4	
0091.COMP	5	4:43	23:55:18.5	13:39:55	600	90	3.0	#122 Halo Star	4	
0092.hs3102	276	4:44	23:58:33.8	7:14:51	600	90	3.0	#122 Halo Star	4	
0093.COMP	5	4:49	23:58:33.8	7:14:51	600	90	3.0	#122 Halo Star	4	
0094.hs3103	156	4:50	23:59:18.5	10:56:32	600	90	3.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0095.COMP	5	4:53	23:59:18.5	10:56:32	600	90	3.0	#122 Halo Star	4	
0096.hs3104	426	4:54	0:00:09.6	11:53:34	600	90	3.0	#122 Halo Star	4	
0097.COMP	5	5:01	0:00:09.6	11:53:34	600	90	3.0	#122 Halo Star	4	
0098.hs3105	312	5:02	0:01:06.7	11:00:36	600	90	3.0	#122 Halo Star	4	
0099.COMP	5	5:07	0:01:06.7	11:00:36	600	90	3.0	#122 Halo Star	4	
0100.hs3106	600	5:08	0:02:06.6	14:28:53	600	90	3.0	#122 Halo Star	4	
0101.COMP	5	5:19	0:02:06.6	14:28:53	600	90	3.0	#122 Halo Star	4	
0102.hs3107	300	5:20	0:02:20.6	6:44:47	600	90	3.0	#122 Halo Star	4	
0103.COMP	5	5:25	0:02:20.6	6:44:47	600	90	3.0	#122 Halo Star	4	
0104.hs3108	380	5:26	0:03:30.6	11:43:56	600	90	3.0	#122 Halo Star	4	
0105.COMP	5	5:33	0:03:30.6	11:43:56	600	90	3.0	#122 Halo Star	4	
0106.hs3109	660	5:33	0:04:24.8	10:59:29	600	90	3.0	#122 Halo Star	4	
0107.COMP	5	5:45	0:04:24.8	10:59:29	600	90	3.0	#122 Halo Star	4	
0108.hs3110	168	5:46	0:04:44.1	7:25:53	600	90	3.0	#122 Halo Star	4	
0109.COMP	5	5:49	0:04:44.1	7:25:53	600	90	3.0	#122 Halo Star	4	
0110.hs3111	216	5:50	0:05:58.8	12:16:22	600	90	3.0	#122 Halo Star	4	
0111.COMP	5	5:54	0:05:58.8	12:16:22	600	90	3.0	#122 Halo Star	4	
0112.hs3112	306	5:56	0:06:05.3	10:21:55	600	90	3.0	#122 Halo Star	4	
0113.COMP	5	6:01	0:06:05.3	10:21:55	600	90	3.0	#122 Halo Star	4	
0114.hs3113	198	6:02	0:07:10.2	11:12:10	600	90	3.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0115.COMP	5	6:06	0:07:10.2	11:12:10	600	90	3.0	#122 Halo Star	4	
0116.hs3114	216	6:07	0:07:33.7	13:35:57	600	90	3.0	#122 Halo Star	4	
0117.COMP	5	6:11	0:07:33.7	13:35:57	600	90	3.0	#122 Halo Star	4	
0118.hs3115	306	6:12	0:07:36.6	8:40:22	600	90	3.0	#122 Halo Star	4	
0119.COMP	5	6:18	0:07:36.6	8:40:22	600	90	3.0	#122 Halo Star	4	
0120.hs3116	390	6:19	0:08:05.3	5:33:30	600	90	3.0	#122 Halo Star	4	
0121.COMP	5	6:25	0:08:05.3	5:33:30	600	90	3.0	#122 Halo Star	4	
0122.hs3117	564	6:26	0:09:24.9	6:18:54	600	90	3.0	#122 Halo Star	4	
0123.COMP	5	6:36	0:09:24.9	6:18:54	600	90	3.0	#122 Halo Star	4	
0124.hs3118	444	6:37	0:10:09.7	14:55:49	600	90	3.0	#122 Halo Star	4	
0125.COMP	5	6:45	0:10:09.7	14:55:49	600	90	3.0	#122 Halo Star	4	
0126.hs3119	222	6:45	0:11:55.7	14:47:07	600	90	3.0	#122 Halo Star	4	
0127.COMP	5	6:49	0:11:55.7	14:47:07	600	90	3.0	#122 Halo Star	4	
0128.hs3120	258	6:50	0:13:30.8	10:01:27	600	90	3.0	#122 Halo Star	4	
0129.COMP	5	6:55	0:13:30.8	10:01:27	600	90	3.0	#122 Halo Star	4	
0130.hs3121	162	6:55	0:14:28.0	8:29:36	600	90	3.0	#122 Halo Star	4	
0131.COMP	5	6:58	0:14:28.0	8:29:36	600	90	3.0	#122 Halo Star	4	
0132.hs3122	462	6:59	0:14:54.9	7:44:56	600	90	3.0	#122 Halo Star	4	
0133.COMP	5	7:07	0:14:54.9	7:44:56	600	90	3.0	#122 Halo Star	4	
0134.hs3123	522	7:08	0:15:59.7	11:59:37	600	90	3.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0135.COMP	5	7:17	0:15:59.7	11:59:37	600	90	3.0	#122 Halo Star	4	
0136.hs3572	270	7:18	2:57:14.1	5:18:27	600	90	3.0	#122 Halo Star	4	
0137.COMP	5	7:23	2:57:14.1	5:18:27	600	90	3.0	#122 Halo Star	4	
0138.hs3574	174	7:32	2:57:47.1	11:49:03	600	90	3.0	#122 Halo Star	4	
0139.COMP	5	7:35	2:57:47.1	11:49:03	600	90	3.0	#122 Halo Star	4	
0140.hs3573	360	7:36	2:57:39.7	14:31:39	600	90	3.0	#122 Halo Star	4	
0141.COMP	5	7:42	2:57:39.7	14:31:39	600	90	3.0	#122 Halo Star	4	
0142.hs3575	210	7:43	2:59:35.5	7:07:13	600	90	3.0	#122 Halo Star	4	
0143.COMP	5	7:47	2:59:35.5	7:07:13	600	90	3.0	#122 Halo Star	4	
0144.hs3576	210	7:48	3:00:00.5	12:12:25	600	90	3.0	#122 Halo Star	4	
0145.COMP	5	7:51	3:00:00.5	12:12:25	600	90	3.0	#122 Halo Star	4	
0146.hs3577	462	7:52	3:01:09.8	10:11:04	600	90	3.0	#122 Halo Star	4	
0147.COMP	5	8:00	3:01:09.8	10:11:04	600	90	3.0	#122 Halo Star	4	
0148.hs3578	216	8:01	3:02:01.3	6:01:06	600	90	3.0	#122 Halo Star	4	
0149.COMP	5	8:05	3:02:01.3	6:01:06	600	90	3.0	#122 Halo Star	4	
0150.hs3579	534	8:06	3:03:12.4	12:24:35	600	90	3.0	#122 Halo Star	4	
0151.COMP	5	8:15	3:03:12.4	12:24:35	600	90	3.0	#122 Halo Star	4	
0152.hs3580	210	8:15	3:03:36.6	9:50:30	600	90	3.0	#122 Halo Star	4	
0153.COMP	5	8:19	3:03:36.6	9:50:30	600	90	3.0	#122 Halo Star	4	
0154.hs3581	204	8:20	3:05:17.3	9:28:36	600	90	3.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0155.COMP	5	8:24	3:05:17.3	9:28:36	600	90	3.0	#122 Halo Star	4	
0156.hs3582	222	8:24	3:05:34.7	14:01:27	600	90	3.0	#122 Halo Star	4	
0157.COMP	5	8:28	3:05:34.7	14:01:27	600	90	3.0	#122 Halo Star	4	
0158.hs3583	354	8:29	3:05:37.7	6:13:12	600	90	3.0	#122 Halo Star	4	
0159.COMP	5	8:35	3:05:37.7	6:13:12	600	90	3.0	#122 Halo Star	4	
0160.hs3584	390	8:36	3:06:22.1	9:43:26	600	90	3.0	#122 Halo Star	4	
0161.COMP	5	8:43	3:06:22.1	9:43:26	600	90	3.0	#122 Halo Star	4	
0162.hs3779	570	8:44	4:04:48.6	-1:27:15	600	90	3.0	#122 Halo Star	4	
0163.COMP	5	8:54	4:04:48.6	-1:27:15	600	90	3.0	#122 Halo Star	4	
0164.hs3780	456	8:55	4:05:29.4	-1:16:14	600	90	3.0	#122 Halo Star	4	
0165.COMP	5	9:03	4:05:29.4	-1:16:14	600	90	3.0	#122 Halo Star	4	
0166.hs3781	270	9:04	4:06:46.6	0:14:43	600	90	3.0	#122 Halo Star	4	
0167.COMP	5	9:09	4:06:46.6	0:14:43	600	90	3.0	#122 Halo Star	4	
0168.hs3774	330	9:10	4:02:41.1	1:23:04	600	90	3.0	#122 Halo Star	4	
0169.COMP	5	9:16	4:02:41.1	1:23:04	600	90	3.0	#122 Halo Star	4	
0170.hs3773	444	9:16	4:02:15.5	-0:22:30	600	90	3.0	#122 Halo Star	4	
0171.COMP	5	9:24	4:02:15.5	-0:22:30	600	90	3.0	#122 Halo Star	4	
0172.hs3772	420	9:25	4:01:51.8	2:09:45	600	90	3.0	#122 Halo Star	4	
0173.COMP	5	9:32	4:01:51.8	2:09:45	600	90	3.0	#122 Halo Star	4	
0174.hs3771	330	9:33	3:58:57.4	-1:11:03	600	90	3.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0175.COMP	5	9:39	3:58:57.4	-1:11:03	600	90	3.0	#122 Halo Star	4	
0176.hs3770	510	9:40	3:56:33.3	2:54:49	600	90	3.0	#122 Halo Star	4	
0177.COMP	5	9:49	3:56:33.3	2:54:49	600	90	3.0	#122 Halo Star	4	
0178.hs3769	234	9:49	3:56:28.2	3:25:04	600	90	3.0	#122 Halo Star	4	
0179.COMP	5	9:55	3:56:28.2	3:25:04	600	90	3.0	#122 Halo Star	4	
0180.hs3768	222	9:56	3:56:26.7	4:19:26	600	90	3.0	#122 Halo Star	4	
0181.COMP	5	10:05	3:56:26.7	4:19:26	600	90	3.0	#122 Halo Star	4	
0182.hs3759	546	10:06	3:49:16.5	4:47:26	600	90	3.0	#122 Halo Star	4	
0183.COMP	5	10:15	3:49:16.5	4:47:26	600	90	3.0	#122 Halo Star	4	
0184.hs3754	650	10:17	3:47:01.7	3:25:45	600	90	3.0	#122 Halo Star	4	
0185.COMP	5	10:28	3:47:01.7	3:25:45	600	90	3.0	#122 Halo Star	4	
0186-0195.BIAS	0	10:38	3:47:01.7	3:25:45	300	90	3.0	#122 Halo Star	4	
0196-0205.FLAT	8	10:41	3:47:01.7	3:25:45	300	90	3.0	#122 Halo Star	4	
0206-0215.BIAS	0	10:44	3:47:01.7	3:25:45	300	90	3.0	#122 Halo Star	2	
0216-0225.FLAT	16	10:49	3:47:01.7	3:25:45	300	90	3.0	#122 Halo Star	2	
0226.HD52071	3	10:52	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0227.HD52071	3	10:53	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0228.HD52071	3	10:53	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0229.COMP	5	10:53	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0230.Hiltner600	45	10:55	06:42:37.2	02:11:25	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
0231.COMP	5	10:57	06:42:37.2	02:11:25	300	18	3.0	#56 Spectropho	2	
0232.G191B2B	150	11:05	05:01:31.5	52:45:52	300	-45	3.0	#56 Spectropho	2	
0233.COMP	5	11:08	05:01:31.5	52:45:52	300	-45	3.0	#56 Spectropho	2	
0234.Akn120	300	11:10	05:13:38.0	-00:12:15	300	44	3.0	#6 AGN Monitor	4	
0235.COMP	5	11:15	05:13:38.0	-00:12:15	300	44	3.0	#6 AGN Monitor	4	
0236.cvso-55691	260	11:19	05:32:29.2	+02:04:04	300	44	3.0	#112 Orion PMS	2	
0237.COMP	5	11:23	05:32:29.2	+02:04:04	300	44	3.0	#112 Orion PMS	2	
0238.cvso-54240	260	11:25	05:31:43.0	+01:04:40	300	44	3.0	#112 Orion PMS	2	
0239.COMP	5	11:29	05:31:43.0	+01:04:40	300	44	3.0	#112 Orion PMS	2	
0240.cvso-53208	250	11:31	05:30:31.6	+02:03:05	300	46	3.0	#112 Orion PMS	2	
0241.COMP	5	11:35	05:30:31.6	+02:03:05	300	46	3.0	#112 Orion PMS	2	
0242.cvso-52637	250	11:37	05:30:27.3	+00:51:33	300	40	3.0	#112 Orion PMS	2	
0243.COMP	5	11:41	05:30:27.3	+00:51:33	300	40	3.0	#112 Orion PMS	2	
0244.cvso-51759	250	11:43	05:29:40.8	+01:06:59	300	47	3.0	#112 Orion PMS	2	
0245.COMP	5	11:47	05:29:40.8	+01:06:59	300	47	3.0	#112 Orion PMS	2	
0246.cvso-51614	240	11:49	05:29:37.0	+00:48:14	300	47	3.0	#112 Orion PMS	2	
0247.COMP	5	11:53	05:29:37.0	+00:48:14	300	47	3.0	#112 Orion PMS	2	
0248.cvso-49264	240	11:54	05:27:40.6	+01:03:57	300	50	3.0	#112 Orion PMS	2	
0249.COMP	5	11:59	05:27:40.6	+01:03:57	300	50	3.0	#112 Orion PMS	2	
0250.cvso-50346	240	12:01	05:28:32.5	+01:27:24	300	90	3.0	#112 Orion PMS	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0251.COMP	5	12:05	05:28:32.5	+01:27:24	300	90	3.0	#112 Orion PMS	2	
0252.cvso-29334	255	12:07	05:28:33.4	+00:09:30	300	50	3.0	#112 Orion PMS	2	
0253.COMP	5	12:12	05:28:33.4	+00:09:30	300	50	3.0	#112 Orion PMS	2	
0254.cvso-50972	255	12:13	05:29:04.1	+01:15:31	300	50	3.0	#112 Orion PMS	2	
0255.COMP	5	12:18	05:29:04.1	+01:15:31	300	50	3.0	#112 Orion PMS	2	
0256.cvso-49098	255	12:20	05:27:31.4	+01:16:46	300	50	3.0	#112 Orion PMS	2	
0257.COMP	5	12:27	10:23:30.6	+19:51:54	300	50	3.0	#6 AGN Monitor	2	
0258.N3227	150	12:57	10:23:30.6	+19:51:54	300	-42	3.0	#6 AGN Monitor	4	
0259.N3227	150	13:00	10:23:30.6	+19:51:54	300	-42	3.0	#6 AGN Monitor	4	
0260.COMP	5	13:03	10:23:30.6	+19:51:54	300	-42	3.0	#6 AGN Monitor	4	
0261.2M07544758p6301019	900	13:06	07:54:47.5	+63:01:01	300	90	3.0	#141 Mapping t	2	sky too bright
0262.COMP	5	13:22	07:54:47.5	+63:01:01	300	90	3.0	#141 Mapping t	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0001-0010.BIAS	0	23:50	07:54:47.5	+63:01:01	300	90	3.0	#6 AGN Monitor	4	
0011-0020.FLAT	8	23:53	07:54:47.5	+63:01:01	300	90	3.0	#6 AGN Monitor	4	
0021-0030.BIAS	0	23:55	07:54:47.5	+63:01:01	300	90	3.0	#6 AGN Monitor	2	
0031-0040.FLAT	16	0:01	07:54:47.5	+63:01:01	300	90	3.0	#6 AGN Monitor	2	
0041.sn2004fu	900	1:58	20:35:11.6	+64:48:26	300	-43	3.0	#2 Supernovae	2	
0042.COMP	5	2:15	20:35:11.6	+64:48:26	300	-43	3.0	#2 Supernovae	2	
0043-0052.DARK	900	6:47	00:09:10.0	+59:09:00	300	90	3.0	Bright Stars	2	
0053-0062.DARK	900	9:58	00:09:10.0	+59:09:00	300	90	3.0	Bright Stars	4	