



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



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UT Date 2005-11-29 Observers P Berlind

Coll. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:39	23:33:40	48:49:06	300	90	3.0	#160 2MACS	4	
0011-0020.FLAT	8	23:43	23:33:40	48:49:06	300	90	3.0	#160 2MACS	4	
0021-0030.BIAS	0	23:45	23:33:40	48:49:06	300	90	3.0	#160 2MACS	2	
0031-0051.FLAT	16	23:55	23:33:40	48:49:06	300	90	3.0	#160 2MACS	2	
0052.sky	3	0:37	21:46:00	32:00:00	300	90	3.0	#57 Velocity S	4	cold, clear, windy
0053-0056.sky	3	0:38	21:46:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.COMP	5	0:39	21:46:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0058.BDp174708	45	1:07	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0059.BDp174708	45	1:08	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0060.BDp174708	45	1:09	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0061.COMP	10	1:10	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0062.BDp284211	120	1:11	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0063.BDp284211	120	1:13	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0064.COMP	10	1:16	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0065.MRK509	180	1:18	20:44:09.8	-10:43:24	300	30	3.0	#6 AGN Monitor	2	
0066.MRK509	180	1:22	20:44:09.8	-10:43:24	300	30	3.0	#6 AGN Monitor	2	
0067.COMP	10	1:25	20:44:09.8	-10:43:24	300	30	3.0	#6 AGN Monitor	2	
0068.Akn564	180	1:27	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0069.Akn564	180	1:30	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0070.COMP	10	1:33	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
0071.NGC7331	180	1:35	22:34:47	+34:09:43	300	90	3.0	#57 Velocity S	4	
0072.COMP	5	1:38	22:34:47	+34:09:43	300	90	3.0	#57 Velocity S	4	
0073.sn2005kc	900	1:40	22:34:07.3	+05:34:06	300	11	3.0	#2 SN Observat	2	
0074.COMP	10	1:56	22:34:07.3	+05:34:06	300	11	3.0	#2 SN Observat	2	
0075.2593_29	720	1:58	23:24:10.8	14:43:40	300	90	3.0	#160 2MACS	4	
0076.COMP	5	2:11	23:24:10.8	14:43:40	300	90	3.0	#160 2MACS	4	
0077.f1_41	1200	2:12	0:50:13.3	+12:08:16	300	90	3.0	#163 Mapping M	2	
0078.COMP	10	2:32	0:50:13.3	+12:08:16	300	90	3.0	#163 Mapping M	2	
0079.f1_42	1200	2:34	0:49:25.6	+12:10:51	300	90	3.0	#163 Mapping M	2	
0080.COMP	10	2:54	0:49:25.6	+12:10:51	300	90	3.0	#163 Mapping M	2	
0081.0189_99and05	1200	2:56	01:23:55.0	+02:04:15	300	94	3.0	#160 2MACS	2	main target 99 at row 82
0082.COMP	10	3:17	01:23:55.0	+02:04:15	300	94	3.0	#160 2MACS	2	target 05 is at row 63, please extract both
0083.MRK335	150	3:18	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0084.MRK335	150	3:21	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0085.COMP	10	3:24	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0086.N7469	120	3:25	23:03:15.7	+08:52:27	300	41	3.0	#6 AGN Monitor	2	
0087.N7469	120	3:27	23:03:15.7	+08:52:27	300	41	3.0	#6 AGN Monitor	2	
0088.COMP	10	3:30	23:03:15.7	+08:52:27	300	41	3.0	#6 AGN Monitor	2	
0089.test	10	3:33	00:55:00	32:00:00	600	90	2.0	#6 AGN Monitor	4	600-line, 2-sec, Warren
0090.HD205198	5	3:34	21:32:14.6	48:38:22	600	90	2.0	#122 Halo Star	4	



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Coll. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0091.HD205198	5	3:35	21:32:14.6	48:38:22	600	90	2.0	#122 Halo Star	4	
0092.COMP	10	3:35	21:32:14.6	48:38:22	600	90	2.0	#122 Halo Star	4	
0093.BDp284211	90	3:36	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0094.BDp284211	90	3:38	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0095.COMP	10	3:40	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0096.HD209993	4	3:41	22:06:12.2	45:14:55	600	90	2.0	#122 Halo Star	4	
0097.HD209993	4	3:41	22:06:12.2	45:14:55	600	90	2.0	#122 Halo Star	4	
0098.COMP	10	3:41	22:06:12.2	45:14:55	600	90	2.0	#122 Halo Star	4	
0099.HD004778	4	3:43	0:50:18.2	45:00:08	600	90	2.0	#122 Halo Star	4	
0100.HD004778	4	3:43	0:50:18.2	45:00:08	600	90	2.0	#122 Halo Star	4	
0101.COMP	10	3:43	0:50:18.2	45:00:08	600	90	2.0	#122 Halo Star	4	
0102.HD003883	4	3:44	0:41:36.0	24:37:44	600	90	2.0	#122 Halo Star	4	
0103.HD003883	4	3:45	0:41:36.0	24:37:44	600	90	2.0	#122 Halo Star	4	
0104.COMP	10	3:45	0:41:36.0	24:37:44	600	90	2.0	#122 Halo Star	4	
0105.hs3833	180	3:47	0:52:48.1	-8:36:31	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	3:50	0:52:48.1	-8:36:31	600	90	2.0	#122 Halo Star	4	
0107.hs3834	420	3:51	0:54:36.3	-4:17:26	600	90	2.0	#122 Halo Star	4	
0108.COMP	10	3:58	0:54:36.3	-4:17:26	600	90	2.0	#122 Halo Star	4	
0109.hs3835	180	3:58	0:57:01.2	-3:16:57	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	4:02	0:57:01.2	-3:16:57	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
0111.hs3836	360	4:02	0:58:08.8	-2:21:53	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	4:09	0:58:08.8	-2:21:53	600	90	2.0	#122 Halo Star	4	
0113.hs3837	300	4:09	0:58:10.3	-9:46:56	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	4:15	0:58:10.3	-9:46:56	600	90	2.0	#122 Halo Star	4	
0115.hs3838	420	4:15	0:59:55.7	-3:12:29	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	4:23	0:59:55.7	-3:12:29	600	90	2.0	#122 Halo Star	4	
0117.hs3839	420	4:23	1:00:15.5	-2:17:26	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	4:31	1:00:15.5	-2:17:26	600	90	2.0	#122 Halo Star	4	
0119.hs3840	300	4:32	1:02:07.6	-7:02:35	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	4:37	1:02:07.6	-7:02:35	600	90	2.0	#122 Halo Star	4	
0121.hs3841	120	4:38	1:02:13.1	-3:25:36	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	4:40	1:02:13.1	-3:25:36	600	90	2.0	#122 Halo Star	4	
0123.hs3842	480	4:41	1:03:24.5	-6:32:10	600	90	2.0	#122 Halo Star	4	pec, wd
0124.COMP	10	4:49	1:03:24.5	-6:32:10	600	90	2.0	#122 Halo Star	4	
0125.hs3843	900	4:51	1:06:01.9	-3:21:16	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	5:06	1:06:01.9	-3:21:16	600	90	2.0	#122 Halo Star	4	
0127.hs3844	240	5:07	1:07:20.6	-5:46:34	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	5:11	1:07:20.6	-5:46:34	600	90	2.0	#122 Halo Star	4	
0129.hs3845	480	5:12	1:10:13.6	-8:02:45	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	5:20	1:10:13.6	-8:02:45	600	90	2.0	#122 Halo Star	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0131.hs3846	300	5:21	1:10:57.4	-6:51:21	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	5:26	1:10:57.4	-6:51:21	600	90	2.0	#122 Halo Star	4	
0133.hs3847	420	5:27	1:11:09.7	-3:45:16	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	5:34	1:11:09.7	-3:45:16	600	90	2.0	#122 Halo Star	4	
0135.hs3848	900	5:35	1:11:40.0	-2:53:05	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	5:51	1:11:40.0	-2:53:05	600	90	2.0	#122 Halo Star	4	
0137.hs3849	720	5:51	1:13:32.6	-5:04:39	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	6:04	1:13:32.6	-5:04:39	600	90	2.0	#122 Halo Star	4	
0139.HD019304	5	6:05	3:06:25.5	3:15:52	600	90	2.0	#122 Halo Star	4	
0140.HD019304	5	6:05	3:06:25.5	3:15:52	600	90	2.0	#122 Halo Star	4	
0141.COMP	10	6:06	3:06:25.5	3:15:52	600	90	2.0	#122 Halo Star	4	
0142.hs3909	180	6:07	2:36:42.8	-8:51:27	600	90	2.0	#122 Halo Star	4	
0143.COMP	10	6:10	2:36:42.8	-8:51:27	600	90	2.0	#122 Halo Star	4	
0144.hs3910	720	6:11	2:37:39.7	-9:00:04	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	6:23	2:37:39.7	-9:00:04	600	90	2.0	#122 Halo Star	4	
0146.hs3911	900	6:25	2:39:36.2	-5:54:56	600	90	2.0	#122 Halo Star	4	
0147.COMP	10	6:40	2:39:36.2	-5:54:56	600	90	2.0	#122 Halo Star	4	
0148.hs3912	300	6:41	2:39:44.9	-3:39:13	600	90	2.0	#122 Halo Star	4	
0149.COMP	10	6:46	2:39:44.9	-3:39:13	600	90	2.0	#122 Halo Star	4	
0150.hs3913	180	6:47	2:40:37.2	-9:08:03	600	90	2.0	#122 Halo Star	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0151.COMP	10	6:50	2:40:37.2	-9:08:03	600	90	2.0	#122 Halo Star	4	
0152.hs3914	300	6:51	2:42:13.9	-4:12:38	600	90	2.0	#122 Halo Star	4	
0153.COMP	10	6:56	2:42:13.9	-4:12:38	600	90	2.0	#122 Halo Star	4	
0154.hs3915	420	6:57	2:43:08.3	-7:02:28	600	90	2.0	#122 Halo Star	4	
0155.COMP	10	7:04	2:43:08.3	-7:02:28	600	90	2.0	#122 Halo Star	4	
0156.hs3916	120	7:05	2:45:04.4	-2:53:36	600	90	2.0	#122 Halo Star	4	
0157.COMP	10	7:07	2:45:04.4	-2:53:36	600	90	2.0	#122 Halo Star	4	
0158.hs3917	360	7:08	2:47:05.3	-5:20:40	600	90	2.0	#122 Halo Star	4	
0159.COMP	10	7:14	2:47:05.3	-5:20:40	600	90	2.0	#122 Halo Star	4	
0160.hs3918	360	7:15	2:48:53.6	-4:46:27	600	90	2.0	#122 Halo Star	4	
0161.COMP	10	7:21	2:48:53.6	-4:46:27	600	90	2.0	#122 Halo Star	4	
0162.hs3919	600	7:22	2:49:19.4	-8:23:26	600	90	2.0	#122 Halo Star	4	
0163.COMP	10	7:32	2:49:19.4	-8:23:26	600	90	2.0	#122 Halo Star	4	
0164.hs3920	120	7:33	2:50:35.7	-6:42:06	600	90	2.0	#122 Halo Star	4	
0165.COMP	10	7:35	2:50:35.7	-6:42:06	600	90	2.0	#122 Halo Star	4	
0166.hs3921	720	7:36	2:52:13.0	-2:06:24	600	90	2.0	#122 Halo Star	4	
0167.COMP	10	7:48	2:52:13.0	-2:06:24	600	90	2.0	#122 Halo Star	4	
0168.hs3922	180	7:49	2:52:16.3	-2:29:02	600	90	2.0	#122 Halo Star	4	
0169.COMP	10	7:53	2:52:16.3	-2:29:02	600	90	2.0	#122 Halo Star	4	
0170.hs3947	210	7:53	3:25:49.3	-4:05:56	600	90	2.0	#122 Halo Star	4	



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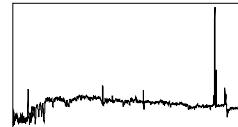
Coll. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0171.COMP	10	7:57	3:25:49.3	-4:05:56	600	90	2.0	#122 Halo Star	4	
0172.hs3948	720	7:59	3:29:01.2	-8:10:43	600	90	2.0	#122 Halo Star	4	
0173.COMP	10	8:11	3:29:01.2	-8:10:43	600	90	2.0	#122 Halo Star	4	
0174.hs3949	180	8:12	3:32:35.0	-6:18:25	600	90	2.0	#122 Halo Star	4	
0175.COMP	10	8:15	3:32:35.0	-6:18:25	600	90	2.0	#122 Halo Star	4	
0176.hs3950	900	8:16	3:34:37.3	-5:07:15	600	90	2.0	#122 Halo Star	4	
0177.COMP	10	8:31	3:34:37.3	-5:07:15	600	90	2.0	#122 Halo Star	4	
0178.hs3951	120	8:32	3:35:03.9	-6:35:42	600	90	2.0	#122 Halo Star	4	
0179.COMP	10	8:34	3:35:03.9	-6:35:42	600	90	2.0	#122 Halo Star	4	
0180.hs3952	240	8:35	3:36:47.3	-5:21:43	600	90	2.0	#122 Halo Star	4	
0181.COMP	10	8:40	3:36:47.3	-5:21:43	600	90	2.0	#122 Halo Star	4	
0182.hs3953	540	8:40	3:37:52.0	-5:24:40	600	90	2.0	#122 Halo Star	4	
0183.COMP	10	8:49	3:37:52.0	-5:24:40	600	90	2.0	#122 Halo Star	4	
0184.hs3954	150	8:50	3:37:55.8	-3:26:46	600	90	2.0	#122 Halo Star	4	
0185.COMP	10	8:53	3:37:55.8	-3:26:46	600	90	2.0	#122 Halo Star	4	
0186.hs3955	360	8:54	3:37:55.8	-7:16:45	600	90	2.0	#122 Halo Star	4	
0187.COMP	10	9:00	3:37:55.8	-7:16:45	600	90	2.0	#122 Halo Star	4	
0188.hs3956	240	9:01	3:39:04.1	-3:25:06	600	90	2.0	#122 Halo Star	4	
0189.COMP	10	9:05	3:39:04.1	-3:25:06	600	90	2.0	#122 Halo Star	4	
0190.hs3997	420	9:06	4:11:51.2	-2:40:33	600	90	2.0	#122 Halo Star	4	



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0191.COMP	10	9:13	4:11:51.2	-2:40:33	600	90	2.0	#122 Halo Star	4	
0192.hs3998	240	9:14	4:12:22.8	-9:33:07	600	90	2.0	#122 Halo Star	4	
0193.COMP	10	9:18	4:12:22.8	-9:33:07	600	90	2.0	#122 Halo Star	4	
0194.hs3999	660	9:19	4:12:54.0	-9:12:05	600	90	2.0	#122 Halo Star	4	
0195.COMP	10	9:30	4:12:54.0	-9:12:05	600	90	2.0	#122 Halo Star	4	
0196.hs4000	120	9:31	4:13:00.5	-3:16:18	600	90	2.0	#122 Halo Star	4	
0197.COMP	10	9:33	4:13:00.5	-3:16:18	600	90	2.0	#122 Halo Star	4	
0198.hs4001	120	9:34	4:14:20.0	-5:30:01	600	90	2.0	#122 Halo Star	4	
0199.COMP	10	9:36	4:14:20.0	-5:30:01	600	90	2.0	#122 Halo Star	4	
0200.hs4002	300	9:37	4:14:58.3	-9:27:05	600	90	2.0	#122 Halo Star	4	
0201.COMP	10	9:43	4:14:58.3	-9:27:05	600	90	2.0	#122 Halo Star	4	
0202.hs4003	150	9:43	4:14:58.6	-6:09:08	600	90	2.0	#122 Halo Star	4	
0203.COMP	10	9:46	4:14:58.6	-6:09:08	600	90	2.0	#122 Halo Star	4	
0204-0213.FLAT	24	9:52	7:30:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0214.test	5	9:56	7:30:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0215.test	5	9:57	7:30:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0216.test	5	9:58	7:30:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0217.test	5	10:00	7:30:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0218.test	5	10:01	7:30:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0219.2M05501157-0345124	900	10:05	05:50:11.5	-03:45:12	300	90	3.0	#141 Mapping t	4	300-line, 3-sec, combo



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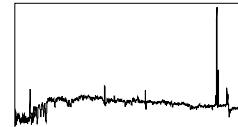
Coll. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0220.COMP	5	10:20	05:50:11.5	-03:45:12	300	90	3.0	#141 Mapping t	4	
0221.2M05470956-0337350	840	10:21	05:47:9.5	-03:37:35	300	90	3.0	#141 Mapping t	4	
0222.COMP	5	10:35	05:47:9.5	-03:37:35	300	90	3.0	#141 Mapping t	4	
0223.2M05345988+0105002	420	10:36	05:35:0.0	+01:05:0	300	90	3.0	#141 Mapping t	4	
0224.COMP	5	10:44	05:35:0.0	+01:05:0	300	90	3.0	#141 Mapping t	4	
0225.2M05360885+0150012	360	10:44	05:36:8.8	+01:50:1	300	90	3.0	#141 Mapping t	4	
0226.COMP	5	10:51	05:36:8.8	+01:50:1	300	90	3.0	#141 Mapping t	4	
0227.2M05370042-0338403	360	10:51	05:37:0.4	-03:38:40	300	90	3.0	#141 Mapping t	4	
0228.COMP	5	10:58	05:37:0.4	-03:38:40	300	90	3.0	#141 Mapping t	4	
0229.2M06142396-0514377	900	10:58	06:14:23.9	-05:14:37	300	90	3.0	#141 Mapping t	4	
0230.COMP	5	11:14	06:14:23.9	-05:14:37	300	90	3.0	#141 Mapping t	4	
0231.2M07102888+2217199	300	11:20	07:10:28.8	+22:17:20	300	90	3.0	#141 Mapping t	4	
0232.COMP	5	11:25	07:10:28.8	+22:17:20	300	90	3.0	#141 Mapping t	4	
0233.2M07121741+2548093	300	11:26	07:12:17.4	+25:48:9	300	90	3.0	#141 Mapping t	4	
0234.COMP	5	11:35	07:12:17.4	+25:48:9	300	90	3.0	#141 Mapping t	4	
0235.2M07141634+1920264	420	11:36	07:14:16.3	+19:20:26	300	90	3.0	#141 Mapping t	4	
0236.COMP	5	11:43	07:14:16.3	+19:20:26	300	90	3.0	#141 Mapping t	4	
0237.2M07161051+1857302	360	11:44	07:16:10.5	+18:57:30	300	90	3.0	#141 Mapping t	4	
0238.COMP	5	11:50	07:16:10.5	+18:57:30	300	90	3.0	#141 Mapping t	4	
0239.2M07215725+1355073	300	11:51	07:21:57.2	+13:55:7	300	100	3.0	#141 Mapping t	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



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UT Date 2005-11-29 Observers P Berlind

Coll. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0240.COMP	5	11:56	07:21:57.2	+13:55:7	300	100	3.0	#141 Mapping t	4	
0241.2M07344855+1836403	360	11:57	07:34:48.5	+18:36:40	300	100	3.0	#141 Mapping t	4	
0242.COMP	5	12:03	07:34:48.5	+18:36:40	300	100	3.0	#141 Mapping t	4	
0243.2M07341364+0507031	360	12:05	07:34:13.6	+05:07:3	300	90	3.0	#141 Mapping t	4	
0244.COMP	5	12:11	07:34:13.6	+05:07:3	300	90	3.0	#141 Mapping t	4	
0245.sn2005kl	900	12:16	12:24:35.6	+39:23:03	300	90	3.0	#2 SN Observat	2	
0246.COMP	10	12:31	12:24:35.6	+39:23:03	300	90	3.0	#2 SN Observat	2	
0247.sn2005kl	450	12:34	12:24:35.6	+39:23:03	300	45	3.0	#2 SN Observat	2	
0248.COMP	10	12:42	12:24:35.6	+39:23:03	300	45	3.0	#2 SN Observat	2	
0249.2M10535025+1651022	330	12:44	10:53:50.2	+16:51:1	300	90	3.0	#141 Mapping t	4	
0250.COMP	5	12:50	10:53:50.2	+16:51:1	300	90	3.0	#141 Mapping t	4	
0251.2M11014416-0651373	360	12:51	11:01:44.1	-06:51:37	300	90	3.0	#141 Mapping t	4	
0252.COMP	5	12:57	11:01:44.1	-06:51:37	300	90	3.0	#141 Mapping t	4	
0253-0262.BIAS	0	13:01	11:01:44.1	-06:51:37	300	90	3.0	#122 Halo Star	4	
0263-0272.FLAT	8	13:04	11:01:44.1	-06:51:37	300	90	3.0	#122 Halo Star	4	
0273-0282.BIAS	0	13:06	11:01:44.1	-06:51:37	300	90	3.0	#122 Halo Star	2	
0283-0292.FLAT	16	13:11	11:01:44.1	-06:51:37	300	90	3.0	#122 Halo Star	2	
0293-0297.DARK	900	14:21	11:01:44.1	-06:51:37	300	90	3.0	#122 Halo Star	4	
0298-0302.DARK	900	15:37	11:01:44.1	-06:51:37	300	90	3.0	#122 Halo Star	2	