

UT Date 2005-11-02 Observers W PetersColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	0:30	19:51:53.6	+31:28:49	300	90	3.0	#2 SN Observat	4	
0011.FLAT	8	0:30	19:52:15.0	+31:28:49	300	90	3.0	#2 SN Observat	4	
0012-0018.FLAT	8	0:33	19:54:34.4	+31:28:48	300	90	3.0	#2 SN Observat	4	
0019-0020.FLAT	8	0:33	19:55:17.5	+31:28:47	300	90	3.0	#2 SN Observat	4	
0021-0026.BIAS	0	0:35	19:56:35.9	+31:28:47	300	90	3.0	#2 SN Observat	2	
0027-0030.BIAS	0	0:36	19:57:27.8	+31:28:46	300	90	3.0	#2 SN Observat	2	
0031-0032.FLAT	16	0:37	19:58:37.1	+31:28:46	300	90	3.0	#2 SN Observat	2	
0033-0036.FLAT	16	0:39	20:00:38.4	+31:28:45	300	90	3.0	#2 SN Observat	2	
0037-0041.FLAT	16	0:41	20:03:10.4	+31:28:44	300	90	3.0	#2 SN Observat	2	
0042-0045.FLAT	16	0:43	20:05:12.0	+31:28:43	300	90	3.0	#2 SN Observat	2	
0046-0049.FLAT	16	0:45	20:07:12.8	+31:28:42	300	90	3.0	#2 SN Observat	2	
0050-0051.FLAT	16	0:46	20:08:10.0	+31:28:41	300	90	3.0	#2 SN Observat	2	
0052.sky	3	0:50	20:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	thin cirrus
0053-0056.sky	3	0:51	20:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.COMP	5	0:52	20:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0058.N7331	180	1:25	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0059.COMP	5	1:28	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0060.2M18010501+2900004	360	1:30	18:01:05.0	+29:00:00	300	90	3.0	#141 Mapping t	4	
0061.COMP	5	1:36	18:01:05.0	+29:00:00	300	90	3.0	#141 Mapping t	4	
0062.2M18034278+5545021	240	1:38	18:03:42.7	+55:45:02	300	90	3.0	#141 Mapping t	4	

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0063.COMP	5	1:42	18:03:42.7	+55:45:02	300	90	3.0	#141 Mapping t	4	
0064.2M18021048+6244329	660	1:43	18:02:10.4	+62:44:32	300	90	3.0	#141 Mapping t	4	
0065.COMP	5	1:54	18:02:10.4	+62:44:32	300	90	3.0	#141 Mapping t	4	
0066.2M18043592+6723261	360	1:55	18:04:35.9	+67:23:26	300	90	3.0	#141 Mapping t	4	
0067.COMP	5	2:02	18:04:35.9	+67:23:26	300	90	3.0	#141 Mapping t	4	
0068.2M18060311+7523424	360	2:03	18:06:03.1	+75:23:42	300	90	3.0	#141 Mapping t	4	
0069.COMP	5	2:09	18:06:03.1	+75:23:42	300	90	3.0	#141 Mapping t	4	
0070.2M19011494+8349099	480	2:11	19:01:14.9	+83:49:09	300	90	3.0	#141 Mapping t	4	
0071.COMP	5	2:19	19:01:14.9	+83:49:09	300	90	3.0	#141 Mapping t	4	
0072.2M18551978+7905206	420	2:20	18:55:19.7	+79:05:20	300	90	3.0	#141 Mapping t	4	
0073.COMP	5	2:28	18:55:19.7	+79:05:20	300	90	3.0	#141 Mapping t	4	
0074.2M18435051+8144032	660	2:29	18:43:50.5	+81:44:03	300	90	3.0	#141 Mapping t	4	
0075.COMP	5	2:40	18:43:50.5	+81:44:03	300	90	3.0	#141 Mapping t	4	
0076.2M18433548+7949573	660	2:41	18:43:35.4	+79:49:57	300	90	3.0	#141 Mapping t	4	
0077.COMP	5	2:52	18:43:35.4	+79:49:57	300	90	3.0	#141 Mapping t	4	
0078.BDp284211	100	2:54	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0079.BDp284211	100	2:56	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0080.BDp284211	100	2:58	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0081.COMP	10	3:00	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0082.BDp174708	45	3:01	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	airmass 1.0

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0083.BDp174708	45	3:02	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0084.BDp174708	45	3:03	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0085.COMP	10	3:05	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0086.2M20014713+1015492	900	3:09	20:01:47.1	+10:15:49	300	90	3.0	#141 Mapping t	4	h-alpha em, ok, thicker clouds
0087.COMP	5	3:24	20:01:47.1	+10:15:49	300	90	3.0	#141 Mapping t	4	
0088.2M21110018+0155559	900	3:26	21:11:00.1	+01:55:55	300	90	3.0	#141 Mapping t	4	
0089.COMP	5	3:41	21:11:00.1	+01:55:55	300	90	3.0	#141 Mapping t	4	
0090.2M21132669+0231233	900	3:42	21:13:26.6	+02:31:23	300	90	3.0	#141 Mapping t	4	
0091.COMP	5	3:57	21:13:26.6	+02:31:23	300	90	3.0	#141 Mapping t	4	
0092.2M21161872+0329180	900	3:58	21:16:18.7	+03:29:18	300	90	3.0	#141 Mapping t	4	
0093.COMP	5	4:13	21:16:18.7	+03:29:18	300	90	3.0	#141 Mapping t	4	
0094.2M21440703-0506059	1200	4:17	21:44:07.0	-05:06:05	300	90	3.0	#141 Mapping t	4	too many clouds, redo
0095.COMP	5	4:37	21:44:07.0	-05:06:05	300	90	3.0	#141 Mapping t	4	
0096.2M22095565+0855443	720	4:44	22:09:55.6	+08:55:44	300	90	3.0	#141 Mapping t	4	
0097.COMP	5	4:56	22:09:55.6	+08:55:44	300	90	3.0	#141 Mapping t	4	
0098.sn2005hk	1500	5:01	00:27:50.8	-01:11:52	300	10	3.0	#2 SN Observat	2	
0099.COMP	10	5:27	00:27:50.8	-01:11:52	300	10	3.0	#2 SN Observat	2	
0100.sn2005hg	1800	5:30	01:55:41.8	+46:47:47	300	41	3.0	#2 SN Observat	2	
0101.COMP	10	6:01	01:55:41.8	+46:47:47	300	41	3.0	#2 SN Observat	2	
0102.f1_10	720	6:03	0:55:16.4	+12:19:30	300	90	3.0	#163 Mapping M	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0103.COMP	5	6:16	0:55:16.4	+12:19:30	300	90	3.0	#163 Mapping M	4	
0104.f1_11	720	6:17	0:54:58.4	+12:43:13	300	90	3.0	#163 Mapping M	4	
0105.COMP	5	6:29	0:54:58.4	+12:43:13	300	90	3.0	#163 Mapping M	4	
0106.f1_12	900	6:30	0:54:36.0	+12:23:10	300	90	3.0	#163 Mapping M	4	good h-alpha em at pix 2279
0107.COMP	5	6:45	0:54:36.0	+12:23:10	300	90	3.0	#163 Mapping M	4	
0108.f1_13	180	6:46	0:53:34.9	+12:41:36	300	90	3.0	#163 Mapping M	4	pec agn
0109.COMP	5	6:49	0:53:34.9	+12:41:36	300	90	3.0	#163 Mapping M	4	
0110.f1_14	900	6:51	0:52:43.9	+12:23:50	300	90	3.0	#163 Mapping M	4	
0111.COMP	5	7:06	0:52:43.9	+12:23:50	300	90	3.0	#163 Mapping M	4	
0112.f1_15	1200	7:07	0:51:40.6	+12:30:24	300	100	3.0	#163 Mapping M	4	reject, redo
0113.COMP	5	7:28	0:51:40.6	+12:30:24	300	100	3.0	#163 Mapping M	4	
0114.JH23	4	7:34	05:00:08.2	+03:17:12	300	90	3.0	#112 Orion OB1	4	
0115.JH23	4	7:35	05:00:08.2	+03:17:12	300	90	3.0	#112 Orion OB1	4	
0116.COMP	5	7:35	05:00:08.2	+03:17:12	300	90	3.0	#112 Orion OB1	4	
0117.JH559	180	7:41	05:03:11.0	-03:33:58	300	50	3.0	#112 Orion OB1	4	
0118.COMP	5	7:45	05:03:11.0	-03:33:58	300	50	3.0	#112 Orion OB1	4	
0119.JH615sw	30	7:46	05:03:30.6	+03:50:54	300	90	3.0	#112 Orion OB1	4	
0120.JH615ne	40	7:47	05:03:30.6	+03:50:54	300	90	3.0	#112 Orion OB1	4	
0121.COMP	5	7:48	05:03:30.6	+03:50:54	300	90	3.0	#112 Orion OB1	4	
0122.JH777	20	7:49	05:04:24.0	+01:46:56	300	90	3.0	#112 Orion OB1	4	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0123.COMP	5	7:50	05:04:24.0	+01:46:56	300	90	3.0	#112 Orion OB1	4	
0124.JH792	20	7:51	05:04:29.9	-03:47:14	300	90	3.0	#112 Orion OB1	4	
0125.JH792	20	7:52	05:04:29.9	-03:47:14	300	90	3.0	#112 Orion OB1	4	
0126.COMP	5	7:52	05:04:29.9	-03:47:14	300	90	3.0	#112 Orion OB1	4	
0127.JH1738	2	7:53	05:09:29.7	-02:08:06	300	90	3.0	#112 Orion OB1	4	
0128.JH1738	2	7:54	05:09:29.7	-02:08:06	300	90	3.0	#112 Orion OB1	4	
0129.COMP	5	7:54	05:09:29.7	-02:08:06	300	90	3.0	#112 Orion OB1	4	
0130.JH1120n	15	7:55	05:06:18.9	+02:57:13	300	90	3.0	#112 Orion OB1	4	
0131.JH1120s	15	7:56	05:06:18.9	+02:57:13	300	90	3.0	#112 Orion OB1	4	
0132.COMP	5	7:56	05:06:18.9	+02:57:13	300	90	3.0	#112 Orion OB1	4	
0133.JH1071	30	7:57	05:06:03.4	+04:06:08	300	90	3.0	#112 Orion OB1	4	
0134.COMP	5	7:59	05:06:03.4	+04:06:08	300	90	3.0	#112 Orion OB1	4	
0135.JH1277	30	8:00	05:07:13.9	+04:10:48	300	90	3.0	#112 Orion OB1	4	
0136.COMP	5	8:00	05:07:13.9	+04:10:48	300	90	3.0	#112 Orion OB1	4	
0137.JH2089sw	35	8:01	05:11:29.4	+05:27:15	300	90	3.0	#112 Orion OB1	4	
0138.JH2089ne	35	8:02	05:11:29.4	+05:27:15	300	90	3.0	#112 Orion OB1	4	
0139.COMP	5	8:03	05:11:29.4	+05:27:15	300	90	3.0	#112 Orion OB1	4	
0140.5232453p01530	300	8:04	05:23:24.5	+01:53:07	300	90	3.0	#112 Orion OB1	4	
0141.COMP	5	8:09	05:23:24.5	+01:53:07	300	90	3.0	#112 Orion OB1	4	
0142.DM100998	20	8:10	05:24:07.8	+01:38:00	300	90	3.0	#112 Orion OB1	4	

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0143.COMP	5	8:11	05:24:07.8	+01:38:00	300	90	3.0	#112 Orion OB1	4	
0144.5245469p01201	300	8:12	05:24:54.7	+01:20:14	300	90	3.0	#112 Orion OB1	4	
0145.COMP	5	8:17	05:24:54.7	+01:20:14	300	90	3.0	#112 Orion OB1	4	
0146.XS02129B2_003	1200	8:19	01:35:46.3	+20:46:35	300	90	3.0	#129 Bright Ch	2	no em, but ok abs lines
0147.COMP	10	8:40	01:35:46.3	+20:46:35	300	90	3.0	#129 Bright Ch	2	
0148.XS02223B3_005	720	8:41	01:55:49.2	+05:35:45	300	90	3.0	#129 Bright Ch	2	
0149.COMP	10	8:53	01:55:49.2	+05:35:45	300	90	3.0	#129 Bright Ch	2	
0150.XS00902B6_011	240	8:55	04:54:14.5	-02:53:24	300	90	3.0	#129 Bright Ch	2	
0151.COMP	10	8:59	04:54:14.5	-02:53:24	300	90	3.0	#129 Bright Ch	2	
0152.XS00902B3_007	35	9:01	04:54:55.2	-03:02:51	300	90	3.0	#129 Bright Ch	2	
0153.COMP	10	9:02	04:54:55.2	-03:02:51	300	90	3.0	#129 Bright Ch	2	
0154.cvso-249111	480	9:05	05:43:23.7	-03:57:22	300	90	3.0	#112 Orion PMS	4	
0155.COMP	5	9:13	05:43:23.7	-03:57:22	300	90	3.0	#112 Orion PMS	4	
0156.sn2005e1	1800	9:16	05:11:48.7	+05:11:39	300	-5	3.0	#2 SN Observat	2	
0157.COMP	10	9:46	05:11:48.7	+05:11:39	300	-5	3.0	#2 SN Observat	2	
0158.cvso-249249	480	9:48	05:43:33.6	-03:49:57	300	0	3.0	#112 Orion PMS	4	
0159.COMP	5	9:57	05:43:33.6	-03:49:57	300	0	3.0	#112 Orion PMS	4	
0160.cvso-249761	330	9:58	05:43:40.8	-02:06:58	300	0	3.0	#112 Orion PMS	4	
0161.COMP	5	10:04	05:43:40.8	-02:06:58	300	0	3.0	#112 Orion PMS	4	
0162.cvso-249546	600	10:05	05:43:56.3	-04:04:55	300	0	3.0	#112 Orion PMS	4	

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0163.COMP	5	10:15	05:43:56.3	-04:04:55	300	0	3.0	#112 Orion PMS	4	
0164.cvso-273949	600	10:16	05:44:12.6	-03:08:03	300	0	3.0	#112 Orion PMS	4	
0165.COMP	5	10:26	05:44:12.6	-03:08:03	300	0	3.0	#112 Orion PMS	4	
0166.cvso-273977	480	10:27	05:44:14.2	-03:09:03	300	0	3.0	#112 Orion PMS	4	
0167.COMP	5	10:35	05:44:14.2	-03:09:03	300	0	3.0	#112 Orion PMS	4	
0168.cvso-274251	600	10:36	05:44:36.4	-03:11:03	300	0	3.0	#112 Orion PMS	4	
0169.COMP	5	10:47	05:44:36.4	-03:11:03	300	0	3.0	#112 Orion PMS	4	
0170.cvso-250271	600	10:48	05:44:55.2	-03:45:22	300	0	3.0	#112 Orion PMS	4	
0171.COMP	5	10:58	05:44:55.2	-03:45:22	300	0	3.0	#112 Orion PMS	4	
0172.cvso-274803	420	10:59	05:45:20.3	-03:22:52	300	0	3.0	#112 Orion PMS	4	
0173.COMP	5	11:06	05:45:20.3	-03:22:52	300	0	3.0	#112 Orion PMS	4	
0174.cvso-250582	480	11:08	05:45:21.5	-04:03:07	300	0	3.0	#112 Orion PMS	4	
0175.COMP	5	11:16	05:45:21.5	-04:03:07	300	0	3.0	#112 Orion PMS	4	
0176.cvso-250652	600	11:18	05:45:25.9	-03:46:57	300	0	3.0	#112 Orion PMS	4	
0177.COMP	5	11:28	05:45:25.9	-03:46:57	300	0	3.0	#112 Orion PMS	4	
0178.cvso-250801	480	11:29	05:46:10.1	-01:56:09	300	0	3.0	#112 Orion PMS	4	
0179.COMP	5	11:37	05:46:10.1	-01:56:09	300	0	3.0	#112 Orion PMS	4	
0180.cvso-275843	660	11:38	05:46:31.4	-03:17:29	300	0	3.0	#112 Orion PMS	4	
0181.COMP	5	11:49	05:46:31.4	-03:17:29	300	0	3.0	#112 Orion PMS	4	
0182.cvso-251082	420	11:50	05:46:39.0	-02:05:56	300	0	3.0	#112 Orion PMS	4	

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0183.COMP	5	11:58	05:46:39.0	-02:05:56	300	0	3.0	#112 Orion PMS	4	
0184.cvso-251340	540	11:59	05:47:07.2	-02:21:11	300	0	3.0	#112 Orion PMS	4	
0185.COMP	5	12:08	05:47:07.2	-02:21:11	300	0	3.0	#112 Orion PMS	4	
0186.cvso-251461	480	12:09	05:47:20.4	-01:56:27	300	0	3.0	#112 Orion PMS	4	good grief clouds all night long
0187.COMP	5	12:17	05:47:20.4	-01:56:27	300	0	3.0	#112 Orion PMS	4	
0188.cvso-252763	720	12:18	05:48:07.5	-03:46:02	300	0	3.0	#112 Orion PMS	4	
0189.COMP	5	12:31	05:48:07.5	-03:46:02	300	0	3.0	#112 Orion PMS	4	
0190.cvso-252455	180	12:31	05:48:41.9	-01:59:32	300	0	3.0	#112 Orion PMS	4	
0191.COMP	5	12:35	05:48:41.9	-01:59:32	300	0	3.0	#112 Orion PMS	4	
0192.HD52071	4	12:37	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0193.HD52071	4	12:37	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0194.HD52071	4	12:38	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0195.COMP	5	12:38	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0196-0205.BIAS	0	12:48	06:57:51	+27:13:42	300	90	3.0	#112 Orion OB1	4	
0206-0215.FLAT	8	12:51	06:57:51	+27:13:42	300	90	3.0	#112 Orion OB1	4	
0216-0225.BIAS	0	12:54	06:57:51	+27:13:42	300	90	3.0	#112 Orion OB1	2	
0226-0246.FLAT	16	13:04	06:57:51	+27:13:42	300	90	3.0	#112 Orion OB1	2	
0247-0251.DARK	900	14:06	06:57:51	+27:13:42	300	90	3.0	#112 Orion OB1	4	
0252-0256.DARK	900	15:23	06:57:51	+27:13:42	300	90	3.0	#112 Orion OB1	2	

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0001-0010.BIAS	0	23:52	06:57:51	+27:13:42	300	90	3.0	#112 Orion OB1	4	
0011-0020.FLAT	8	23:55	06:57:51	+27:13:42	300	90	3.0	#112 Orion OB1	4	
0021-0030.BIAS	0	23:58	06:57:51	+27:13:42	300	90	3.0	#112 Orion OB1	2	
0031-0051.FLAT	16	0:08	06:57:51	+27:13:42	300	90	3.0	#112 Orion OB1	2	
0052.sky	3	0:49	20:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	clearing...
0053-0056.sky	3	0:50	20:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.COMP	5	0:50	20:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0058.N7331	180	1:23	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0059.COMP	5	1:27	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0060.2M18061702+6205185	300	1:28	18:06:17.0	+62:05:18	300	90	3.0	#141 Mapping t	4	
0061.COMP	5	1:34	18:06:17.0	+62:05:18	300	90	3.0	#141 Mapping t	4	
0062.2M18062128+5630500	300	1:35	18:06:21.2	+56:30:50	300	90	3.0	#141 Mapping t	4	
0063.COMP	5	1:40	18:06:21.2	+56:30:50	300	90	3.0	#141 Mapping t	4	
0064.2M18084138+7801283	300	1:41	18:08:41.3	+78:01:28	300	93	3.0	#141 Mapping t	4	
0065.COMP	5	1:47	18:08:41.3	+78:01:28	300	93	3.0	#141 Mapping t	4	
0066.2M18072780+7801314	360	1:47	18:07:27.8	+78:01:31	300	93	3.0	#141 Mapping t	4	
0067.COMP	5	1:53	18:07:27.8	+78:01:31	300	93	3.0	#141 Mapping t	4	
0068.2M18132264+7939156	270	1:54	18:13:22.6	+79:39:15	300	93	3.0	#141 Mapping t	4	
0069.COMP	5	1:59	18:13:22.6	+79:39:15	300	93	3.0	#141 Mapping t	4	
0070.2M18073778+5631515	300	2:00	18:07:37.7	+56:31:51	300	90	3.0	#141 Mapping t	4	

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0071.COMP	5	2:05	18:07:37.7	+56:31:51	300	90	3.0	#141 Mapping t	4	
0072.2M18134814+5704069	480	2:06	18:13:48.1	+57:04:06	300	90	3.0	#141 Mapping t	4	
0073.COMP	5	2:14	18:13:48.1	+57:04:06	300	90	3.0	#141 Mapping t	4	
0074.2M18154355+6037463	240	2:15	18:15:43.5	+60:37:46	300	90	3.0	#141 Mapping t	4	
0075.COMP	5	2:19	18:15:43.5	+60:37:46	300	90	3.0	#141 Mapping t	4	
0076.2M18155230+6616063	300	2:20	18:15:52.3	+66:16:06	300	90	3.0	#141 Mapping t	4	
0077.COMP	5	2:25	18:15:52.3	+66:16:06	300	90	3.0	#141 Mapping t	4	
0078.2M18171009+7023549	390	2:26	18:17:10.0	+70:23:54	300	90	3.0	#141 Mapping t	4	
0079.COMP	5	2:33	18:17:10.0	+70:23:54	300	90	3.0	#141 Mapping t	4	
0080.2M18215070+7521289	360	2:34	18:21:50.7	+75:21:28	300	90	3.0	#141 Mapping t	4	
0081.COMP	5	2:40	18:21:50.7	+75:21:28	300	90	3.0	#141 Mapping t	4	
0082.2M18224743+6257127	330	2:41	18:22:47.4	+62:57:12	300	90	3.0	#141 Mapping t	4	
0083.COMP	5	2:47	18:22:47.4	+62:57:12	300	90	3.0	#141 Mapping t	4	
0084.BDp284211	90	2:48	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0085.BDp284211	90	2:50	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0086.BDp284211	90	2:52	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0087.COMP	10	2:54	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0088.BDp174708	45	2:55	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0089.BDp174708	45	2:56	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0090.BDp174708	45	2:57	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	

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0091.COMP	10	2:58	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0092.gal224339.4p040832.4	1200	3:00	22:43:39.4	04:08:32	300	90	3.0	#99 Other	2	
0093.COMP	10	3:20	22:43:39.4	04:08:32	300	90	3.0	#99 Other	2	
0094.star232131.4p053218	480	3:22	23:21:31.4	05:32:18	300	100	3.0	#99 Other	2	
0095.COMP	10	3:30	23:21:31.4	05:32:18	300	100	3.0	#99 Other	2	
0096.2M21205667+0400584	300	3:32	21:20:56.6	+04:00:58	300	90	3.0	#141 Mapping t	4	
0097.COMP	5	3:38	21:20:56.6	+04:00:58	300	90	3.0	#141 Mapping t	4	
0098.2M21210267+0142464	300	3:38	21:21:02.6	+01:42:46	300	90	3.0	#141 Mapping t	4	
0099.COMP	5	3:43	21:21:02.6	+01:42:46	300	90	3.0	#141 Mapping t	4	
0100.2M21260126+0305513	210	3:44	21:26:01.2	+03:05:51	300	90	3.0	#141 Mapping t	4	
0101.COMP	5	3:48	21:26:01.2	+03:05:51	300	90	3.0	#141 Mapping t	4	
0102.2M21295771+0306447	330	3:49	21:29:57.7	+03:06:44	300	90	3.0	#141 Mapping t	4	
0103.COMP	5	3:55	21:29:57.7	+03:06:44	300	90	3.0	#141 Mapping t	4	
0104.2M21300796+0204173	300	3:56	21:30:07.9	+02:04:17	300	90	3.0	#141 Mapping t	4	
0105.COMP	5	4:01	21:30:07.9	+02:04:17	300	90	3.0	#141 Mapping t	4	
0106.2M21305535+0432260	330	4:02	21:30:55.3	+04:32:26	300	90	3.0	#141 Mapping t	2	
0107.COMP	10	4:08	21:30:55.3	+04:32:26	300	90	3.0	#141 Mapping t	2	
0108.2M21315860+0857200	270	4:09	21:31:58.6	+08:57:20	300	90	3.0	#141 Mapping t	4	
0109.COMP	5	4:14	21:31:58.6	+08:57:20	300	90	3.0	#141 Mapping t	4	
0110.2M21325745-0619359	150	4:16	21:32:57.4	-06:19:35	300	90	3.0	#141 Mapping t	4	hey that is a star

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0111.COMP	5	4:18	21:32:57.4	-06:19:35	300	90	3.0	#141 Mapping t	4	superposed star on faint galaxy
0112.2M21440703-0506059	300	4:20	21:44:07.0	-05:06:05	300	90	3.0	#141 Mapping t	4	
0113.COMP	5	4:25	21:44:07.0	-05:06:05	300	90	3.0	#141 Mapping t	4	
0114.2M21555069-0249586	240	4:26	21:55:50.6	-02:49:58	300	90	3.0	#141 Mapping t	4	
0115.COMP	5	4:30	21:55:50.6	-02:49:58	300	90	3.0	#141 Mapping t	4	
0116.2M21534195+0337185	300	4:31	21:53:41.9	+03:37:18	300	90	3.0	#141 Mapping t	4	
0117.COMP	5	4:36	21:53:41.9	+03:37:18	300	90	3.0	#141 Mapping t	4	
0118.2M22083954-0321119	540	4:37	22:08:39.5	-03:21:11	300	90	3.0	#141 Mapping t	4	
0119.COMP	5	4:46	22:08:39.5	-03:21:11	300	90	3.0	#141 Mapping t	4	
0120.2M22184798-0258249	360	4:49	22:18:47.9	-02:58:24	300	0	3.0	#141 Mapping t	4	
0121.COMP	5	4:55	22:18:47.9	-02:58:24	300	0	3.0	#141 Mapping t	4	
0122.sn2005hk	1200	4:56	00:27:50.8	-01:11:52	300	0	3.0	#2 SN Observat	2	
0123.COMP	10	5:17	00:27:50.8	-01:11:52	300	0	3.0	#2 SN Observat	2	
0124.sn2005hg	1800	5:21	01:55:41.8	+46:47:47	300	44	3.0	#2 SN Observat	2	
0125.COMP	10	5:52	01:55:41.8	+46:47:47	300	44	3.0	#2 SN Observat	2	
0126.sn2005hf	1200	5:55	01:27:05.9	19:07:00	300	44	3.0	#2 SN Observat	2	
0127.COMP	10	6:15	01:27:05.9	19:07:00	300	44	3.0	#2 SN Observat	2	
0128.test	10	6:19	2:0:0	32:0:0	600	90	2.0	#2 SN Observat	4	600-line, 2-sec, Warren
0129.BDp284211	90	6:21	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0130.BDp284211	90	6:23	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	

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0131.COMP	10	6:25	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0132.hs3822	240	6:27	0:40:32.0	-2:15:26	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	6:31	0:40:32.0	-2:15:26	600	90	2.0	#122 Halo Star	4	
0134.hs3823	180	6:32	0:41:21.3	-8:23:19	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	6:35	0:41:21.3	-8:23:19	600	90	2.0	#122 Halo Star	4	
0136.hs3824	240	6:36	0:42:34.3	-5:00:27	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	6:40	0:42:34.3	-5:00:27	600	90	2.0	#122 Halo Star	4	
0138.hs3825	420	6:41	0:43:02.5	-8:46:31	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	6:48	0:43:02.5	-8:46:31	600	90	2.0	#122 Halo Star	4	
0140.hs3826	180	6:49	0:45:08.8	-9:20:39	600	90	2.0	#122 Halo Star	4	
0141.COMP	10	6:52	0:45:08.8	-9:20:39	600	90	2.0	#122 Halo Star	4	
0142.hs3827	120	6:53	0:47:17.4	-4:01:51	600	90	2.0	#122 Halo Star	4	
0143.COMP	10	6:55	0:47:17.4	-4:01:51	600	90	2.0	#122 Halo Star	4	
0144.hs3828	720	6:56	0:48:05.4	-3:50:55	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	7:08	0:48:05.4	-3:50:55	600	90	2.0	#122 Halo Star	4	
0146.hs3829	420	7:08	0:49:07.8	-5:56:44	600	90	2.0	#122 Halo Star	4	
0147.COMP	10	7:16	0:49:07.8	-5:56:44	600	90	2.0	#122 Halo Star	4	
0148.hs3830	240	7:17	0:50:29.0	-3:07:11	600	90	2.0	#122 Halo Star	4	
0149.COMP	10	7:22	0:50:29.0	-3:07:11	600	90	2.0	#122 Halo Star	4	
0150.hs3831	330	7:22	0:51:20.3	-9:55:23	600	90	2.0	#122 Halo Star	4	

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0151.COMP	10	7:28	0:51:20.3	-9:55:23	600	90	2.0	#122 Halo Star	4	
0152.hs3832	120	7:29	0:51:34.8	-8:14:20	600	90	2.0	#122 Halo Star	4	
0153.COMP	10	7:31	0:51:34.8	-8:14:20	600	90	2.0	#122 Halo Star	4	
0154.hs3717	360	7:32	3:00:05.2	3:58:52	600	90	2.0	#122 Halo Star	4	
0155.COMP	10	7:39	3:00:05.2	3:58:52	600	90	2.0	#122 Halo Star	4	
0156.hs3671	720	7:39	3:34:59.0	8:44:12	600	90	2.0	#122 Halo Star	4	
0157.COMP	10	7:52	3:34:59.0	8:44:12	600	90	2.0	#122 Halo Star	4	
0158.hs3885	240	7:53	2:01:42.8	-3:58:30	600	90	2.0	#122 Halo Star	4	
0159.COMP	10	7:57	2:01:42.8	-3:58:30	600	90	2.0	#122 Halo Star	4	
0160.hs3886	120	7:58	2:03:11.6	-8:13:11	600	90	2.0	#122 Halo Star	4	
0161.COMP	10	8:00	2:03:11.6	-8:13:11	600	90	2.0	#122 Halo Star	4	
0162.hs3887	300	8:01	2:05:54.4	-9:02:05	600	90	2.0	#122 Halo Star	4	
0163.COMP	10	8:06	2:05:54.4	-9:02:05	600	90	2.0	#122 Halo Star	4	
0164.hs3888	150	8:07	2:08:20.1	-8:51:41	600	90	2.0	#122 Halo Star	4	wham clouds moving in fast
0165.COMP	10	8:10	2:08:20.1	-8:51:41	600	90	2.0	#122 Halo Star	4	
0166.hs3889	330	8:13	2:09:09.8	-4:55:36	600	90	2.0	#122 Halo Star	4	
0167.COMP	10	8:19	2:09:09.8	-4:55:36	600	90	2.0	#122 Halo Star	4	
0168.hs3890	900	8:20	2:09:25.4	-3:29:49	600	90	2.0	#122 Halo Star	4	
0169.COMP	10	8:35	2:09:25.4	-3:29:49	600	90	2.0	#122 Halo Star	4	
0170.hs3891	900	8:36	2:11:10.5	-2:13:17	600	90	2.0	#122 Halo Star	4	

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0171.COMP	10	8:52	2:11:10.5	-2:13:17	600	90	2.0	#122 Halo Star	4	
0172.hs3892	360	8:52	2:15:35.4	-6:57:58	600	90	2.0	#122 Halo Star	4	
0173.COMP	10	8:59	2:15:35.4	-6:57:58	600	90	2.0	#122 Halo Star	4	clearing
0174.hs3893	300	8:59	2:16:14.7	-3:46:39	600	90	2.0	#122 Halo Star	4	
0175.COMP	10	9:05	2:16:14.7	-3:46:39	600	90	2.0	#122 Halo Star	4	
0176.hs3894	300	9:05	2:16:46.0	-4:35:32	600	90	2.0	#122 Halo Star	4	
0177.COMP	10	9:11	2:16:46.0	-4:35:32	600	90	2.0	#122 Halo Star	4	
0178.hs3895	420	9:11	2:17:41.9	-2:35:32	600	90	2.0	#122 Halo Star	4	
0179.COMP	10	9:19	2:17:41.9	-2:35:32	600	90	2.0	#122 Halo Star	4	
0180.hs3896	180	9:19	2:18:36.7	-3:06:48	600	90	2.0	#122 Halo Star	4	
0181.COMP	10	9:23	2:18:36.7	-3:06:48	600	90	2.0	#122 Halo Star	4	
0182.hs3935	420	9:24	3:06:51.6	-4:50:45	600	90	2.0	#122 Halo Star	4	
0183.COMP	10	9:31	3:06:51.6	-4:50:45	600	90	2.0	#122 Halo Star	4	
0184.hs3936	180	9:32	3:07:12.2	-7:43:16	600	90	2.0	#122 Halo Star	4	
0185.COMP	10	9:35	3:07:12.2	-7:43:16	600	90	2.0	#122 Halo Star	4	
0186.hs3937	720	9:36	3:07:37.5	-2:43:47	600	90	2.0	#122 Halo Star	4	
0187.COMP	10	9:48	3:07:37.5	-2:43:47	600	90	2.0	#122 Halo Star	4	
0188.hs3938	120	9:50	3:10:21.1	-8:04:48	600	90	2.0	#122 Halo Star	4	
0189.COMP	10	9:52	3:10:21.1	-8:04:48	600	90	2.0	#122 Halo Star	4	
0190.hs3939	720	9:53	3:11:42.6	-6:23:59	600	90	2.0	#122 Halo Star	4	

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0191.COMP	10	10:05	3:11:42.6	-6:23:59	600	90	2.0	#122 Halo Star	4	
0192.hs3940	900	10:06	3:13:15.4	-9:10:09	600	90	2.0	#122 Halo Star	4	
0193.COMP	10	10:21	3:13:15.4	-9:10:09	600	90	2.0	#122 Halo Star	4	
0194.hs3978	240	10:23	4:00:40.0	-7:29:25	600	90	2.0	#122 Halo Star	4	
0195.COMP	10	10:31	4:00:40.0	-7:29:25	600	90	2.0	#122 Halo Star	4	
0196.hs3979	420	10:31	4:01:01.0	-6:50:41	600	90	2.0	#122 Halo Star	4	
0197.COMP	10	10:39	4:01:01.0	-6:50:41	600	90	2.0	#122 Halo Star	4	
0198.hs3980	660	10:39	4:01:09.7	-7:41:56	600	90	2.0	#122 Halo Star	4	
0199.COMP	10	10:51	4:01:09.7	-7:41:56	600	90	2.0	#122 Halo Star	4	
0200.hs3981	480	10:52	4:02:10.2	-2:01:15	600	90	2.0	#122 Halo Star	4	
0201.COMP	10	11:00	4:02:10.2	-2:01:15	600	90	2.0	#122 Halo Star	4	
0202.hs3982	480	11:01	4:02:45.3	-8:52:24	600	90	2.0	#122 Halo Star	4	
0203.COMP	10	11:09	4:02:45.3	-8:52:24	600	90	2.0	#122 Halo Star	4	
0204.hs3983	300	11:10	4:03:16.6	-7:16:48	600	90	2.0	#122 Halo Star	4	more clouds
0205.COMP	10	11:15	4:03:16.6	-7:16:48	600	90	2.0	#122 Halo Star	4	
0206.hs3984	420	11:16	4:03:41.1	-3:58:57	600	90	2.0	#122 Halo Star	4	
0207.COMP	10	11:23	4:03:41.1	-3:58:57	600	90	2.0	#122 Halo Star	4	
0208.hs3985	360	11:24	4:04:19.4	-4:17:13	600	90	2.0	#122 Halo Star	4	
0209.COMP	10	11:30	4:04:19.4	-4:17:13	600	90	2.0	#122 Halo Star	4	
0210.hs4008	600	11:31	4:19:20.8	-9:09:57	600	90	2.0	#122 Halo Star	4	no CaII

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0211.COMP	10	11:41	4:19:20.8	-9:09:57	600	90	2.0	#122 Halo Star	4	
0212.hs4007	720	11:42	4:17:49.0	-2:59:55	600	90	2.0	#122 Halo Star	4	
0213.COMP	10	11:54	4:17:49.0	-2:59:55	600	90	2.0	#122 Halo Star	4	
0214.hs4006	720	11:55	4:16:28.4	-5:20:33	600	90	2.0	#122 Halo Star	4	
0215.COMP	10	12:07	4:16:28.4	-5:20:33	600	90	2.0	#122 Halo Star	4	
0216.hs4009	180	12:08	4:19:27.2	-3:44:53	600	90	2.0	#122 Halo Star	4	
0217.COMP	10	12:11	4:19:27.2	-3:44:53	600	90	2.0	#122 Halo Star	4	
0218.Hiltner600	120	12:16	06:45:13.4	02:08:14	600	90	2.0	#122 Halo Star	4	
0219.Hiltner600	120	12:18	06:45:13.4	02:08:14	600	90	2.0	#122 Halo Star	4	
0220.COMP	10	12:20	06:45:13.4	02:08:14	600	90	2.0	#122 Halo Star	4	
0221-0230.BIAS	0	12:24	06:45:13.4	02:08:14	600	90	2.0	#2 SN Observat	4	
0231-0240.FLAT	24	12:29	06:45:13.4	02:08:14	600	90	2.0	#2 SN Observat	4	
0241-0245.DARK	900	13:43	06:45:13.4	02:08:14	600	90	2.0	#2 SN Observat	4	
0246-0250.DARK	900	14:59	06:45:13.4	02:08:14	600	90	2.0	#2 SN Observat	2	

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0001-0010.BIAS	0	23:54	06:45:13.4	02:08:14	300	90	3.0	#2 SN Observat	4	
0011-0020.FLAT	8	23:57	06:45:13.4	02:08:14	300	90	3.0	#2 SN Observat	4	
0021-0030.BIAS	0	0:00	06:45:13.4	02:08:14	300	90	3.0	#2 SN Observat	2	
0031-0051.FLAT	16	0:10	06:45:13.4	02:08:14	300	90	3.0	#2 SN Observat	2	
0052.sky	3	0:50	20:20:00	32:00:00	300	90	3.0	#57 Velocity S	4	nice sunset
0053-0056.sky	3	0:51	20:20:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.COMP	5	0:51	20:20:00	32:00:00	300	90	3.0	#57 Velocity S	4	cloudy all day, clearing now
0058.N7331	180	1:29	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0059.COMP	5	1:33	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0060.2M18125935+2930484	300	1:35	18:12:59.3	+29:30:48	300	45	3.0	#141 Mapping t	4	
0061.COMP	5	1:41	18:12:59.3	+29:30:48	300	45	3.0	#141 Mapping t	4	
0062.2M18074223+2130239	360	1:42	18:07:42.2	+21:30:23	300	45	3.0	#141 Mapping t	4	
0063.COMP	5	1:48	18:07:42.2	+21:30:23	300	45	3.0	#141 Mapping t	4	
0064.2M18155633+2111461	300	1:50	18:15:56.3	+21:11:46	300	90	3.0	#141 Mapping t	4	
0065.COMP	5	1:56	18:15:56.3	+21:11:46	300	90	3.0	#141 Mapping t	4	
0066.2M18174885+2355115	330	1:56	18:17:48.8	+23:55:11	300	90	3.0	#141 Mapping t	4	
0067.COMP	5	2:02	18:17:48.8	+23:55:11	300	90	3.0	#141 Mapping t	4	
0068.2M18213195+4001387	300	2:03	18:21:31.9	+40:01:38	300	90	3.0	#141 Mapping t	4	
0069.COMP	5	2:08	18:21:31.9	+40:01:38	300	90	3.0	#141 Mapping t	4	
0070.2M18223240+3915491	300	2:09	18:22:32.4	+39:15:49	300	90	3.0	#141 Mapping t	4	

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0071.COMP	5	2:14	18:22:32.4	+39:15:49	300	90	3.0	#141 Mapping t	4	
0072.2M18232156+3421477	300	2:15	18:23:21.5	+34:21:47	300	90	3.0	#141 Mapping t	4	
0073.COMP	5	2:20	18:23:21.5	+34:21:47	300	90	3.0	#141 Mapping t	4	
0074.2M18245365+2843422	300	2:21	18:24:53.6	+28:43:42	300	90	3.0	#141 Mapping t	4	
0075.COMP	5	2:26	18:24:53.6	+28:43:42	300	90	3.0	#141 Mapping t	4	
0076.2M18245109+5252430	330	2:27	18:24:51.0	+52:52:43	300	90	3.0	#141 Mapping t	4	
0077.COMP	5	2:33	18:24:51.0	+52:52:43	300	90	3.0	#141 Mapping t	4	
0078.2M18273982+4943097	270	2:34	18:27:39.8	+49:43:09	300	90	3.0	#141 Mapping t	4	
0079.COMP	5	2:39	18:27:39.8	+49:43:09	300	90	3.0	#141 Mapping t	4	
0080.BDp284211	90	2:40	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0081.BDp284211	90	2:42	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0082.BDp284211	90	2:44	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0083.COMP	10	2:46	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0084.BDp174708	45	2:47	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0085.BDp174708	45	2:48	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0086.BDp174708	45	2:49	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0087.COMP	10	2:50	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0088.MRK509	180	2:52	20:44:09.8	-10:43:24	300	30	3.0	#6 AGN Monitor	2	
0089.MRK509	180	2:55	20:44:09.8	-10:43:24	300	30	3.0	#6 AGN Monitor	2	
0090.COMP	10	2:58	20:44:09.8	-10:43:24	300	30	3.0	#6 AGN Monitor	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>
0091.N7469	120	3:00	23:03:15.7	+08:52:27	300	0	3.0	#6 AGN Monitor	2	
0092.N7469	120	3:02	23:03:15.7	+08:52:27	300	0	3.0	#6 AGN Monitor	2	
0093.COMP	10	3:04	23:03:15.7	+08:52:27	300	0	3.0	#6 AGN Monitor	2	
0094.Akn564	180	3:06	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0095.Akn564	180	3:09	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0096.COMP	10	3:13	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0097.MRK335	150	3:18	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0098.MRK335	150	3:21	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0099.COMP	10	3:24	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0100.3C454.3	480	3:25	22:53:57.7	+16:08:54	300	90	3.0	#6 AGN Monitor	2	
0101.COMP	10	3:33	22:53:57.7	+16:08:54	300	90	3.0	#6 AGN Monitor	2	
0102.f1_12	1500	3:35	0:54:36.0	+12:23:10	300	90	3.0	#163 Mapping M	4	nice emission lines
0103.COMP	5	4:01	0:54:36.0	+12:23:10	300	90	3.0	#163 Mapping M	4	
0104.f1_15	1200	4:02	0:51:40.6	+12:30:24	300	100	3.0	#163 Mapping M	4	
0105.COMP	5	4:22	0:51:40.6	+12:30:24	300	100	3.0	#163 Mapping M	4	
0106.f1_16	900	4:23	0:49:33.4	+12:42:57	300	90	3.0	#163 Mapping M	4	
0107.COMP	5	4:38	0:49:33.4	+12:42:57	300	90	3.0	#163 Mapping M	4	
0108.f1_17	1200	4:39	0:49:21.5	+12:20:36	300	90	3.0	#163 Mapping M	4	
0109.COMP	5	4:59	0:49:21.5	+12:20:36	300	90	3.0	#163 Mapping M	4	
0110.f1_18	1200	4:59	0:49:29.7	+12:31:42	300	90	3.0	#163 Mapping M	4	

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0111.COMP	5	5:20	0:49:29.7	+12:31:42	300	90	3.0	#163 Mapping M	4	
0112.f1_19	900	5:20	0:57:15.4	+12:07:05	300	90	3.0	#163 Mapping M	4	
0113.COMP	5	5:36	0:57:15.4	+12:07:05	300	90	3.0	#163 Mapping M	4	
0114.f1_20	1200	5:36	0:57:13.2	+12:07:23	300	90	3.0	#163 Mapping M	4	
0115.COMP	5	5:56	0:57:13.2	+12:07:23	300	90	3.0	#163 Mapping M	4	
0116.sn2005hk	1200	5:58	00:27:50.8	-01:11:52	300	30	3.0	#2 SN Observat	2	
0117.COMP	10	6:19	00:27:50.8	-01:11:52	300	30	3.0	#2 SN Observat	2	
0118.sn2005hg	1800	6:23	01:55:41.8	+46:47:47	300	-12	3.0	#2 SN Observat	2	
0119.COMP	10	6:53	01:55:41.8	+46:47:47	300	-12	3.0	#2 SN Observat	2	
0120.f1_21	720	6:55	0:56:28.2	+11:51:28	300	90	3.0	#163 Mapping M	4	big cosmic ray, ok
0121.COMP	5	7:08	0:56:28.2	+11:51:28	300	90	3.0	#163 Mapping M	4	
0122.f1_21	600	7:08	0:56:28.2	+11:51:28	300	90	3.0	#163 Mapping M	4	deja vu
0123.COMP	5	7:18	0:56:28.2	+11:51:28	300	90	3.0	#163 Mapping M	4	
0124.f1_22	420	7:19	0:55:58.5	+12:07:26	300	90	3.0	#163 Mapping M	4	
0125.COMP	5	7:27	0:55:58.5	+12:07:26	300	90	3.0	#163 Mapping M	4	
0126.f1_23	900	7:27	0:56:00.3	+12:00:52	300	100	3.0	#163 Mapping M	4	
0127.COMP	5	7:42	0:56:00.3	+12:00:52	300	100	3.0	#163 Mapping M	4	
0128.f1_24	720	7:43	0:55:26.4	+12:06:16	300	100	3.0	#163 Mapping M	4	
0129.COMP	5	7:56	0:55:26.4	+12:06:16	300	100	3.0	#163 Mapping M	4	
0130.XS00521B2_004	1200	7:58	01:02:06.4	+31:43:15	300	90	3.0	#129 Bright Ch	2	ok, late star

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0131.COMP	10	8:19	01:02:06.4	+31:43:15	300	90	3.0	#129 Bright Ch	2	
0132.2M02104319-0634474	240	8:20	02:10:43.1	-06:34:47	300	90	3.0	#141 Mapping t	4	
0133.COMP	5	8:24	02:10:43.1	-06:34:47	300	90	3.0	#141 Mapping t	4	
0134.2M02114686-0554553	270	8:27	02:11:46.8	-05:54:55	300	90	3.0	#141 Mapping t	4	
0135.COMP	5	8:31	02:11:46.8	-05:54:55	300	90	3.0	#141 Mapping t	4	
0136.2M02133257-0528552	270	8:32	02:13:32.5	-05:28:55	300	90	3.0	#141 Mapping t	4	
0137.COMP	5	8:37	02:13:32.5	-05:28:55	300	90	3.0	#141 Mapping t	4	
0138.2M02143587-0718364	360	8:37	02:14:35.8	-07:18:36	300	90	3.0	#141 Mapping t	4	
0139.COMP	5	8:44	02:14:35.8	-07:18:36	300	90	3.0	#141 Mapping t	4	
0140.2M02252977-0400413	210	8:44	02:25:29.7	-04:00:41	300	90	3.0	#141 Mapping t	4	
0141.COMP	5	8:48	02:25:29.7	-04:00:41	300	90	3.0	#141 Mapping t	4	
0142.2M02262831+0119374	360	8:49	02:26:28.3	+01:19:37	300	90	3.0	#141 Mapping t	4	
0143.COMP	5	8:55	02:26:28.3	+01:19:37	300	90	3.0	#141 Mapping t	4	
0144.2M02272526+0315074	210	8:56	02:27:25.2	+03:15:7	300	90	3.0	#141 Mapping t	4	
0145.COMP	5	8:59	02:27:25.2	+03:15:7	300	90	3.0	#141 Mapping t	4	
0146.2M02423851-0338118	210	9:00	02:42:38.5	-03:38:11	300	90	3.0	#141 Mapping t	4	
0147.COMP	5	9:04	02:42:38.5	-03:38:11	300	90	3.0	#141 Mapping t	4	
0148.2M02444408-0529176	210	9:04	02:44:44.0	-05:29:17	300	90	3.0	#141 Mapping t	4	
0149.COMP	5	9:08	02:44:44.0	-05:29:17	300	90	3.0	#141 Mapping t	4	
0150.2M02435687+0639174	240	9:09	02:43:56.8	+06:39:17	300	90	3.0	#141 Mapping t	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0151.COMP	5	9:13	02:43:56.8	+06:39:17	300	90	3.0	#141 Mapping t	4	
0152.2M02551383+0348422	270	9:14	02:55:13.8	+03:48:42	300	90	3.0	#141 Mapping t	4	
0153.COMP	5	9:19	02:55:13.8	+03:48:42	300	90	3.0	#141 Mapping t	4	
0154.2M03082755-0408360	420	9:20	03:08:27.5	-04:08:36	300	90	3.0	#141 Mapping t	4	
0155.COMP	5	9:27	03:08:27.5	-04:08:36	300	90	3.0	#141 Mapping t	4	
0156.2M03050670-0539454	240	9:28	03:05:6.7	-05:39:45	300	90	3.0	#141 Mapping t	4	
0157.COMP	5	9:32	03:05:6.7	-05:39:45	300	90	3.0	#141 Mapping t	4	
0158.2M03053733-0557585	360	9:32	03:05:37.3	-05:57:58	300	90	3.0	#141 Mapping t	4	
0159.COMP	5	9:39	03:05:37.3	-05:57:58	300	90	3.0	#141 Mapping t	4	
0160.2M03054839-0932447	270	9:39	03:05:48.4	-09:32:44	300	90	3.0	#141 Mapping t	4	
0161.COMP	5	9:44	03:05:48.4	-09:32:44	300	90	3.0	#141 Mapping t	4	
0162.2M03060231-0934368	450	9:45	03:06:2.2	-09:34:36	300	90	3.0	#141 Mapping t	4	
0163.COMP	5	9:53	03:06:2.2	-09:34:36	300	90	3.0	#141 Mapping t	4	
0164.2M03105238-0912476	540	9:53	03:10:52.3	-09:12:48	300	90	3.0	#141 Mapping t	4	
0165.COMP	5	10:03	03:10:52.3	-09:12:48	300	90	3.0	#141 Mapping t	4	
0166.2M03114824-0230106	330	10:03	03:11:48.2	-02:30:10	300	90	3.0	#141 Mapping t	4	
0167.COMP	5	10:09	03:11:48.2	-02:30:10	300	90	3.0	#141 Mapping t	4	
0168.2M03124258-0217348	240	10:10	03:12:42.5	-02:17:34	300	90	3.0	#141 Mapping t	4	
0169.COMP	5	10:15	03:12:42.5	-02:17:34	300	90	3.0	#141 Mapping t	4	
0170.sn2005io	1500	10:24	05:50:24.6	+49:43:06	300	-10	3.0	#2 SN Observat	2	

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0171.COMP	10	10:50	05:50:24.6	+49:43:06	300	-10	3.0	#2 SN Observat	2	
0172.Akn120	300	10:52	05:13:38.0	-00:12:15	300	27	3.0	#6 AGN Monitor	2	
0173.COMP	10	10:58	05:13:38.0	-00:12:15	300	27	3.0	#6 AGN Monitor	2	
0174.2M04084293+0150354	330	11:00	04:08:42.9	+01:50:35	300	90	3.0	#141 Mapping t	4	
0175.COMP	5	11:06	04:08:42.9	+01:50:35	300	90	3.0	#141 Mapping t	4	
0176.2M04092193+0105050	330	11:06	04:09:21.9	+01:05:5	300	90	3.0	#141 Mapping t	4	
0177.COMP	5	11:12	04:09:21.9	+01:05:5	300	90	3.0	#141 Mapping t	4	
0178.2M04104229-0640413	330	11:13	04:10:42.3	-06:40:41	300	90	3.0	#141 Mapping t	4	
0179.COMP	5	11:19	04:10:42.3	-06:40:41	300	90	3.0	#141 Mapping t	4	
0180.2M04581249-0509328	180	11:19	04:58:12.5	-05:09:32	300	90	3.0	#141 Mapping t	4	
0181.COMP	5	11:23	04:58:12.5	-05:09:32	300	90	3.0	#141 Mapping t	4	
0182.2M05013981-0915530	120	11:23	05:01:39.8	-09:15:52	300	90	3.0	#141 Mapping t	4	
0183.COMP	5	11:25	05:01:39.8	-09:15:52	300	90	3.0	#141 Mapping t	4	
0184.2M05022725-0928184	210	11:26	05:02:27.2	-09:28:18	300	90	3.0	#141 Mapping t	4	
0185.COMP	5	11:30	05:02:27.2	-09:28:18	300	90	3.0	#141 Mapping t	4	
0186.2M05103207-0811240	240	11:30	05:10:32.0	-08:11:24	300	90	3.0	#141 Mapping t	4	
0187.COMP	5	11:35	05:10:32.0	-08:11:24	300	90	3.0	#141 Mapping t	4	
0188.2M05095570-0026420	240	11:35	05:09:55.6	-00:26:42	300	90	3.0	#141 Mapping t	4	
0189.COMP	5	11:40	05:09:55.6	-00:26:42	300	90	3.0	#141 Mapping t	4	
0190.2M05095603-0028470	240	11:40	05:09:56.0	-00:28:47	300	90	3.0	#141 Mapping t	4	

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0191.COMP	5	11:44	05:09:56.0	-00:28:47	300	90	3.0	#141 Mapping t	4	
0192.2M05102256-0043513	300	11:45	05:10:22.5	-00:43:51	300	90	3.0	#141 Mapping t	4	
0193.COMP	5	11:50	05:10:22.5	-00:43:51	300	90	3.0	#141 Mapping t	4	
0194.2M05145348-0330076	270	11:51	05:14:53.4	-03:30:7	300	90	3.0	#141 Mapping t	4	
0195.COMP	5	11:55	05:14:53.4	-03:30:7	300	90	3.0	#141 Mapping t	4	
0196.2M05214391-0356300	270	11:56	05:21:43.9	-03:56:30	300	90	3.0	#141 Mapping t	4	
0197.COMP	5	12:01	05:21:43.9	-03:56:30	300	90	3.0	#141 Mapping t	4	
0198.2M05251317-0617052	300	12:02	05:25:13.1	-06:17:5	300	90	3.0	#141 Mapping t	4	
0199.COMP	5	12:07	05:25:13.1	-06:17:5	300	90	3.0	#141 Mapping t	4	
0200.2M05284439-0602064	270	12:07	05:28:44.3	-06:02:6	300	90	3.0	#141 Mapping t	4	
0201.COMP	5	12:12	05:28:44.3	-06:02:6	300	90	3.0	#141 Mapping t	4	
0202.2M05260836-0256245	600	12:13	05:26:8.3	-02:56:24	300	90	3.0	#141 Mapping t	4	
0203.COMP	5	12:23	05:26:8.3	-02:56:24	300	90	3.0	#141 Mapping t	4	
0204.2M05110891+0735236	240	12:24	05:11:8.9	+07:35:23	300	90	3.0	#141 Mapping t	4	
0205.COMP	5	12:28	05:11:8.9	+07:35:23	300	90	3.0	#141 Mapping t	4	
0206.2M05120736+0600482	240	12:29	05:12:7.3	+06:00:48	300	90	3.0	#141 Mapping t	4	
0207.COMP	5	12:33	05:12:7.3	+06:00:48	300	90	3.0	#141 Mapping t	4	
0208.2M05132318+0936414	270	12:34	05:13:23.1	+09:36:41	300	90	3.0	#141 Mapping t	4	
0209.COMP	5	12:39	05:13:23.1	+09:36:41	300	90	3.0	#141 Mapping t	4	
0210.2M05133490+0725510	270	12:39	05:13:34.9	+07:25:51	300	90	3.0	#141 Mapping t	4	

UT Date 2005-11-04 Observers P BerlindColl. Focus 980 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>
0211.COMP	5	12:44	05:13:34.9	+07:25:51	300	90	3.0	#141 Mapping t	4	
0212.HD52071	5	12:45	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0213.HD52071	5	12:45	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0214.HD52071	5	12:45	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0215.COMP	5	12:45	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0216-0225.BIAS	0	12:48	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0226-0235.FLAT	8	12:51	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0236-0245.BIAS	0	12:53	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0246-0266.FLAT	16	13:04	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0267-0271.DARK	900	14:06	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0272-0276.DARK	900	15:22	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	

UT Date 2005-11-05 Observers M CalkinsColl. Focus 980 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.BDp284211	50	1:49	21:51:11.1	28:51:53	300	110	3.0	#56 Spectropho	2	
0002.BDp284211	50	1:50	21:51:11.1	28:51:53	300	110	3.0	#56 Spectropho	2	
0003.BDp284211	50	1:51	21:51:11.1	28:51:53	300	110	3.0	#56 Spectropho	2	
0004.COMP	12	1:53	21:51:11.1	28:51:53	300	110	3.0	#56 Spectropho	2	
0005.BDp174708	25	1:56	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0006.BDp174708	25	1:56	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0007.BDp174708	25	1:57	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0008.COMP	12	1:59	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0009.2M18092214+0837258	900	2:04	18:09:22.1	+08:37:25	300	110	3.0	#141 Mapping t	2	
0010.COMP	12	2:20	18:09:22.1	+08:37:25	300	110	3.0	#141 Mapping t	2	
0011.2M18094243+0139404	900	2:22	18:09:42.4	+01:39:40	300	85	3.0	#141 Mapping t	2	
0012.COMP	12	2:37	18:09:42.4	+01:39:40	300	85	3.0	#141 Mapping t	2	
0013.2M18130290+0411438	1200	2:43	18:13:02.9	+04:11:43	300	90	3.0	#141 Mapping t	2	
0014.COMP	12	3:03	18:13:02.9	+04:11:43	300	90	3.0	#141 Mapping t	2	
0015.2M19140757+4718439	300	3:05	19:14:07.5	+47:18:43	300	90	3.0	#141 Mapping t	2	
0016.COMP	12	3:11	19:14:07.5	+47:18:43	300	90	3.0	#141 Mapping t	2	
0017.2M19143246-0823399	1500	3:14	19:14:32.4	-08:23:39	300	85	3.0	#141 Mapping t	2	
0018.COMP	12	3:43	19:14:32.4	-08:23:39	300	85	3.0	#141 Mapping t	2	
0019.2M19154908+4834567	360	3:46	19:15:49.0	+48:34:56	300	90	3.0	#141 Mapping t	2	
0020.COMP	12	3:53	19:15:49.0	+48:34:56	300	90	3.0	#141 Mapping t	2	

UT Date 2005-11-05 Observers M CalkinsColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0021.2M19175383+4722491	900	4:00	19:17:53.8	+47:22:49	300	90	3.0	#141 Mapping t	2	
0022.COMP	12	4:15	19:17:53.8	+47:22:49	300	90	3.0	#141 Mapping t	2	
0023.2M20493232+0548560	330	4:17	20:49:32.3	+05:48:56	300	90	3.0	#141 Mapping t	2	
0024.COMP	12	4:23	20:49:32.3	+05:48:56	300	90	3.0	#141 Mapping t	2	
0025.2M20494782+0747005	600	4:24	20:49:47.8	+07:47:00	300	90	3.0	#141 Mapping t	2	
0026.COMP	12	4:35	20:49:47.8	+07:47:00	300	90	3.0	#141 Mapping t	2	
0027.2M20502802+2809500	1020	4:37	20:50:28.0	+28:09:50	300	90	3.0	#141 Mapping t	2	
0028.COMP	12	4:54	20:50:28.0	+28:09:50	300	90	3.0	#141 Mapping t	2	
0029.sn2005hk	1200	4:58	00:27:50.8	-01:11:52	300	1	3.0	#2 SN Observat	2	
0030.COMP	12	5:19	00:27:50.8	-01:11:52	300	1	3.0	#2 SN Observat	2	
0031.2M21115696+3040274	360	5:22	21:11:56.9	+30:40:27	300	90	3.0	#141 Mapping t	2	
0032.COMP	12	5:28	21:11:56.9	+30:40:27	300	90	3.0	#141 Mapping t	2	
0033.2M21124376+3520263	540	5:31	21:12:43.7	+35:20:26	300	90	3.0	#141 Mapping t	2	
0034.COMP	12	5:41	21:12:43.7	+35:20:26	300	90	3.0	#141 Mapping t	2	
0035.2M21125332+1922471	330	5:43	21:12:53.3	+19:22:47	300	90	3.0	#141 Mapping t	2	
0036.COMP	12	5:49	21:12:53.3	+19:22:47	300	90	3.0	#141 Mapping t	2	
0037.2M21130016+5944492	1500	5:52	21:13:00.1	+59:44:49	300	90	3.0	#141 Mapping t	2	
0038.COMP	12	6:17	21:13:00.1	+59:44:49	300	90	3.0	#141 Mapping t	2	
0039.2M21141212+3517131	720	6:20	21:14:12.1	+35:17:13	300	100	3.0	#141 Mapping t	2	
0040.COMP	12	6:33	21:14:12.1	+35:17:13	300	100	3.0	#141 Mapping t	2	

UT Date 2005-11-05 Observers M CalkinsColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0041.2M21144022+2836374	480	6:34	21:14:40.2	+28:36:37	300	90	3.0	#141 Mapping t	2	
0042.COMP	12	6:43	21:14:40.2	+28:36:37	300	90	3.0	#141 Mapping t	2	
0043.2M23182612+0657528	1020	6:45	23:18:26.1	+06:57:52	300	80	3.0	#141 Mapping t	2	
0044.COMP	12	7:02	23:18:26.1	+06:57:52	300	80	3.0	#141 Mapping t	2	
0045.sn2005hc	1200	7:09	01:56:47.9	-00:12:49	300	18	3.0	#2 SN Observat	2	
0046.COMP	12	7:30	01:56:47.9	-00:12:49	300	18	3.0	#2 SN Observat	2	
0047.sn2005hg	1800	7:34	01:55:41.8	+46:47:47	300	-30	3.0	#2 SN Observat	2	
0048.COMP	12	8:05	01:55:41.8	+46:47:47	300	-30	3.0	#2 SN Observat	2	
0049.f1_25	300	8:08	0:55:01.1	+11:56:45	300	90	3.0	#163 Mapping M	2	
0050.COMP	12	8:13	0:55:01.1	+11:56:45	300	90	3.0	#163 Mapping M	2	
0051.f1_26	720	8:14	0:55:01.5	+11:55:50	300	90	3.0	#163 Mapping M	2	
0052.COMP	12	8:27	0:55:01.5	+11:55:50	300	90	3.0	#163 Mapping M	2	
0053.f1_27	900	8:28	0:54:54.9	+12:02:13	300	90	3.0	#163 Mapping M	2	
0054.COMP	12	8:44	0:54:54.9	+12:02:13	300	90	3.0	#163 Mapping M	2	
0055.f1_28	1200	8:45	0:54:37.6	+11:49:16	300	90	3.0	#163 Mapping M	2	
0056.COMP	12	9:06	0:54:37.6	+11:49:16	300	90	3.0	#163 Mapping M	2	
0057.f1_28	1800	9:07	0:54:37.6	+11:49:16	300	100	3.0	#163 Mapping M	2	
0058.COMP	12	9:37	0:54:37.6	+11:49:16	300	100	3.0	#163 Mapping M	2	
0059.0592_10	300	9:40	07:42:52.9	09:16:53	300	90	3.0	#160 2MACS	2	
0060.COMP	12	9:46	07:42:52.9	09:16:53	300	90	3.0	#160 2MACS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0061.0592_11	780	9:47	07:42:23.0	09:19:37	300	100	3.0	#160 2MACS	2	
0062.COMP	12	10:01	07:42:23.0	09:19:37	300	100	3.0	#160 2MACS	2	
0063.0592_12	780	10:02	07:42:56.9	09:20:53	300	90	3.0	#160 2MACS	2	
0064.COMP	12	10:16	07:42:56.9	09:20:53	300	90	3.0	#160 2MACS	2	
0065.0592_13	780	10:18	07:42:51.6	09:21:23	300	90	3.0	#160 2MACS	2	
0066.COMP	12	10:31	07:42:51.6	09:21:23	300	90	3.0	#160 2MACS	2	
0067.0592_14	600	10:32	07:43:23.7	09:21:34	300	90	3.0	#160 2MACS	2	
0068.COMP	12	10:43	07:43:23.7	09:21:34	300	90	3.0	#160 2MACS	2	
0069.0592_14	1200	10:44	07:43:23.7	09:21:34	300	90	3.0	#160 2MACS	2	
0070.COMP	12	11:04	07:43:23.7	09:21:34	300	90	3.0	#160 2MACS	2	
0071.0592_15	480	11:06	07:42:43.4	09:22:07	300	90	3.0	#160 2MACS	2	
0072.COMP	12	11:14	07:42:43.4	09:22:07	300	90	3.0	#160 2MACS	2	
0073.0592_15	420	11:16	07:42:43.4	09:22:07	300	90	3.0	#160 2MACS	2	
0074.COMP	12	11:23	07:42:43.4	09:22:07	300	90	3.0	#160 2MACS	2	
0075.0592_16	780	11:25	07:42:35.0	09:22:42	300	90	3.0	#160 2MACS	2	
0076.COMP	12	11:38	07:42:35.0	09:22:42	300	90	3.0	#160 2MACS	2	
0077.0592_17	900	11:41	07:43:27.8	09:22:45	300	60	3.0	#160 2MACS	2	
0078.COMP	12	11:57	07:43:27.8	09:22:45	300	60	3.0	#160 2MACS	2	
0079.0592_18	1020	11:59	07:42:49.2	09:23:07	300	90	3.0	#160 2MACS	2	
0080.COMP	12	12:16	07:42:49.2	09:23:07	300	90	3.0	#160 2MACS	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>
0081.0592_19	660	12:18	07:42:7.4	09:23:50	300	90	3.0	#160 2MACS	2	
0082.COMP	12	12:29	07:42:7.4	09:23:50	300	90	3.0	#160 2MACS	2	
0083.0592_20	600	12:31	07:42:14.1	09:24:17	300	90	3.0	#160 2MACS	2	
0084.COMP	12	12:41	07:42:14.1	09:24:17	300	90	3.0	#160 2MACS	2	
0085.AGK2p43928	5	12:50	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0086.AGK2p43928	5	12:50	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0087.AGK2p43928	5	12:51	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0088.COMP	12	12:51	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0089.HD84937	7	12:53	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0090.HD84937	7	12:54	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0091.HD84937	7	12:54	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0092.COMP	12	12:55	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0093-0097.sky	5	13:27	09:48:54.8	13:45:13	300	90	3.0	#57 Velocity S	2	
0098.COMP	12	13:28	09:48:54.8	13:45:13	300	90	3.0	#57 Velocity S	2	
0099-0118.BIAS	0	13:33	09:48:54.8	13:45:13	300	90	3.0	#57 Velocity S	2	
0119-0158.FLAT	16	13:53	09:48:54.8	13:45:13	300	90	3.0	#57 Velocity S	2	
0159-0178.DARK	900	18:44	09:48:54.8	13:45:13	300	90	3.0	#57 Velocity S	2	

UT Date 2005-11-06 Observers M CalkinsColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0009.DARK	900	1:03	09:48:54.8	13:45:13	300	90	3.0	#57 Velocity S	4	
0010-0019.BIAS	0	1:20	09:48:54.8	13:45:13	300	90	3.0	#57 Velocity S	4	
0020-0029.FLAT	6	1:22	09:48:54.8	13:45:13	300	90	3.0	#57 Velocity S	4	
0030-0039.BIAS	0	1:25	09:48:54.8	13:45:13	300	90	3.0	#57 Velocity S	2	
0040-0059.FLAT	16	1:34	09:48:54.8	13:45:13	300	90	3.0	#57 Velocity S	2	
0060.3C454.3	600	1:51	22:53:57.7	+16:08:54	300	90	3.0	#6 AGN Monitor	2	redo
0061.COMP	12	2:02	22:53:57.7	+16:08:54	300	90	3.0	#6 AGN Monitor	2	
0062.3C390.3	300	2:07	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0063.3C390.3	300	2:12	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0064.3C390.3	300	2:17	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0065.COMP	12	2:23	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0066.2M18153262+1736299	900	2:26	18:15:32.6	+17:36:29	300	90	3.0	#141 Mapping t	2	
0067.COMP	12	2:42	18:15:32.6	+17:36:29	300	90	3.0	#141 Mapping t	2	
0068.2M18153517+1300129	900	2:43	18:15:35.1	+13:00:12	300	90	3.0	#141 Mapping t	2	
0069.COMP	12	2:59	18:15:35.1	+13:00:12	300	90	3.0	#141 Mapping t	2	
0070.BDp284211	50	3:01	21:51:11.1	28:51:53	300	72	3.0	#56 Spectropho	2	
0071.BDp284211	50	3:02	21:51:11.1	28:51:53	300	72	3.0	#56 Spectropho	2	
0072.BDp284211	50	3:04	21:51:11.1	28:51:53	300	72	3.0	#56 Spectropho	2	
0073.COMP	12	3:05	21:51:11.1	28:51:53	300	72	3.0	#56 Spectropho	2	
0074.BDp284211	50	3:06	21:51:11.1	28:51:53	300	72	3.0	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0075.COMP	5	3:07	21:51:11.1	28:51:53	300	72	3.0	#56 Spectropho	4	
0076.BDp174708	30	3:08	22:11:31.4	18:05:33	300	28	3.0	#56 Spectropho	4	
0077.COMP	5	3:09	22:11:31.4	18:05:33	300	28	3.0	#56 Spectropho	4	
0078.BDp174708	30	3:10	22:11:31.4	18:05:33	300	28	3.0	#56 Spectropho	2	
0079.BDp174708	30	3:11	22:11:31.4	18:05:33	300	28	3.0	#56 Spectropho	2	
0080.BDp174708	30	3:11	22:11:31.4	18:05:33	300	28	3.0	#56 Spectropho	2	
0081.COMP	12	3:12	22:11:31.4	18:05:33	300	28	3.0	#56 Spectropho	2	
0082.M31	60	3:14	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0083.COMP	12	3:16	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0084.2M21440703-0506059	390	3:18	21:44:07.0	-05:06:05	300	90	3.0	#141 Mapping t	2	redo
0085.COMP	12	3:25	21:44:07.0	-05:06:05	300	90	3.0	#141 Mapping t	2	
0086.2M18263143+5550537	450	3:28	18:26:31.4	+55:50:53	300	90	3.0	#141 Mapping t	2	
0087.COMP	12	3:36	18:26:31.4	+55:50:53	300	90	3.0	#141 Mapping t	2	
0088.2M18275022+1106147	900	3:38	18:27:50.2	+11:06:14	300	90	3.0	#141 Mapping t	2	
0089.COMP	12	3:53	18:27:50.2	+11:06:14	300	90	3.0	#141 Mapping t	2	
0090.HD192281	5	3:58	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	5 arcsec slit
0091.HD192281	5	3:58	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0092.HD192281	5	3:58	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0093.HD192281	5	3:59	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0094.HD192281	5	3:59	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0095.COMP	3	4:00	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0096.BDp284211	60	4:02	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0097.BDp284211	60	4:03	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0098.BDp284211	60	4:05	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0099.BDp284211	60	4:06	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0100.BDp284211	60	4:07	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0101.COMP	3	4:09	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0102-0111.FLAT	6	4:15	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0112.2M19372394+0636455	1800	4:21	19:37:23.9	+06:36:45	300	90	3.0	#141 Mapping t	2	combo setup, row=75
0113.COMP	12	4:52	19:37:23.9	+06:36:45	300	90	3.0	#141 Mapping t	2	
0114.sn2005hk	1200	4:55	00:27:50.8	-01:11:52	300	2	3.0	#2 SN Observat	2	
0115.COMP	12	5:16	00:27:50.8	-01:11:52	300	2	3.0	#2 SN Observat	2	
0116.XS02100B7_005	2400	5:20	00:27:25.7	-01:37:21	300	90	3.0	#129 Bright Ch	2	
0117.COMP	12	6:01	00:27:25.7	-01:37:21	300	90	3.0	#129 Bright Ch	2	
0118.XS00521B2_024	1500	6:03	01:01:41.5	+31:39:28	300	90	3.0	#129 Bright Ch	2	
0119.COMP	12	6:29	01:01:41.5	+31:39:28	300	90	3.0	#129 Bright Ch	2	
0120.sn2005hg	1800	7:18	01:55:41.8	+46:47:47	300	-30	3.0	#2 SN Observat	2	row=79, thin clouds passing thru...
0121.COMP	12	7:49	01:55:41.8	+46:47:47	300	-30	3.0	#2 SN Observat	2	
0122.sn2005hf	1500	7:54	01:27:05.9	19:07:00	300	60	3.0	#2 SN Observat	2	
0123.COMP	12	8:19	01:27:05.9	19:07:00	300	60	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0124.2M01460391+2327303	300	8:22	01:46:3.9	+23:27:30	300	90	3.0	#141 Mapping t	2	
0125.COMP	12	8:27	01:46:3.9	+23:27:30	300	90	3.0	#141 Mapping t	2	
0126.2M01495997+7515567	1020	8:29	01:50:0.0	+75:15:56	300	90	3.0	#141 Mapping t	2	
0127.COMP	12	8:47	01:50:0.0	+75:15:56	300	90	3.0	#141 Mapping t	2	
0128.2M01535444+1921311	390	8:49	01:53:54.4	+19:21:30	300	90	3.0	#141 Mapping t	2	
0129.COMP	12	8:56	01:53:54.4	+19:21:30	300	90	3.0	#141 Mapping t	2	
0130.f1_29	1020	8:59	0:53:38.7	+11:37:35	300	90	3.0	#163 Mapping M	2	
0131.COMP	12	9:17	0:53:38.7	+11:37:35	300	90	3.0	#163 Mapping M	2	
0132.f1_30	1200	9:18	0:53:36.7	+12:10:57	300	90	3.0	#163 Mapping M	2	
0133.COMP	12	9:39	0:53:36.7	+12:10:57	300	90	3.0	#163 Mapping M	2	
0134.XS01602B7_005	240	9:42	06:26:01.0	+82:03:24	300	90	3.0	#129 Bright Ch	2	
0135.COMP	12	9:47	06:26:01.0	+82:03:24	300	90	3.0	#129 Bright Ch	2	
0136.cvso-252753	300	9:50	05:49:02.9	-02:18:47	300	90	3.0	#112 Orion PMS	2	
0137.COMP	12	9:56	05:49:02.9	-02:18:47	300	90	3.0	#112 Orion PMS	2	
0138.cvso-253682	360	9:58	05:49:54.2	-02:22:10	300	90	3.0	#112 Orion PMS	2	
0139.COMP	12	10:04	05:49:54.2	-02:22:10	300	90	3.0	#112 Orion PMS	2	
0140.cvso-254927	300	10:05	05:51:08.7	-01:56:51	300	85	3.0	#112 Orion PMS	2	
0141.COMP	12	10:11	05:51:08.7	-01:56:51	300	85	3.0	#112 Orion PMS	2	
0142.cvso-255428	360	10:12	05:51:37.5	-02:26:11	300	100	3.0	#112 Orion PMS	2	
0143.COMP	12	10:19	05:51:37.5	-02:26:11	300	100	3.0	#112 Orion PMS	2	

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0144.cvso-256635	420	10:20	05:51:43.5	-04:05:27	300	80	3.0	#112 Orion PMS	2	
0145.COMP	12	10:28	05:51:43.5	-04:05:27	300	80	3.0	#112 Orion PMS	2	
0146.cvso-256803	360	10:29	05:51:52.0	-04:13:04	300	90	3.0	#112 Orion PMS	2	
0147.COMP	12	10:36	05:51:52.0	-04:13:04	300	90	3.0	#112 Orion PMS	2	
0148.cvso-278924	300	10:37	05:52:05.2	-02:57:19	300	90	3.0	#112 Orion PMS	2	
0149.COMP	12	10:42	05:52:05.2	-02:57:19	300	90	3.0	#112 Orion PMS	2	
0150.cvso-282328	330	10:43	05:52:11.6	-03:10:59	300	90	3.0	#112 Orion PMS	2	
0151.COMP	12	10:50	05:52:11.6	-03:10:59	300	90	3.0	#112 Orion PMS	2	
0152.0592_21	1020	10:51	07:44:4.6	09:25:24	300	90	3.0	#160 2MACS	2	
0153.COMP	12	11:12	07:44:4.6	09:25:24	300	90	3.0	#160 2MACS	2	
0154.0592_22	960	11:14	07:42:51.1	09:25:42	300	90	3.0	#160 2MACS	2	
0155.COMP	12	11:31	07:42:51.1	09:25:42	300	90	3.0	#160 2MACS	2	
0156.0592_23	960	11:32	07:43:35.7	09:25:46	300	90	3.0	#160 2MACS	2	
0157.COMP	12	11:49	07:43:35.7	09:25:46	300	90	3.0	#160 2MACS	2	
0158.sn2005ip	900	11:52	09:32:06.4	08:26:44	300	-30	3.0	#2 SN Observat	2	
0159.COMP	12	12:08	09:32:06.4	08:26:44	300	-30	3.0	#2 SN Observat	2	
0160.0592_24	360	12:11	07:42:23.5	09:27:18	300	90	3.0	#160 2MACS	2	
0161.COMP	12	12:18	07:42:23.5	09:27:18	300	90	3.0	#160 2MACS	2	
0162.XS00838B7_004	1020	12:20	08:27:29.8	+29:19:05	300	90	3.0	#129 Bright Ch	2	
0163.COMP	12	12:37	08:27:29.8	+29:19:05	300	90	3.0	#129 Bright Ch	2	

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0164.N3227	150	12:39	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0165.N3227	150	12:42	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0166.COMP	12	12:45	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0167.Hiltner600	45	12:47	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0168.COMP	12	12:48	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0169-0178.BIAS	0	12:53	06:45:13.4	02:08:14	300	90	3.0	#160 2MACS	4	
0179-0188.FLAT	6	12:57	06:45:13.4	02:08:14	300	90	3.0	#160 2MACS	4	
0189-0198.BIAS	0	13:02	06:45:13.4	02:08:14	300	90	3.0	#160 2MACS	2	
0199-0218.FLAT	16	13:14	06:45:13.4	02:08:14	300	90	3.0	#160 2MACS	2	
0219-0228.DARK	900	15:41	06:45:13.4	02:08:14	300	90	3.0	#160 2MACS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0006.DARK	900	0:45	06:45:13.4	02:08:14	300	90	3.0	#160 2MACS	4	
0007-0016.BIAS	0	1:05	06:45:13.4	02:08:14	300	90	3.0	#160 2MACS	4	
0017-0026.FLAT	8	1:08	06:45:13.4	02:08:14	300	90	3.0	#160 2MACS	4	
0027-0036.BIAS	0	1:10	06:45:13.4	02:08:14	300	90	3.0	#160 2MACS	2	
0037-0056.FLAT	16	1:21	06:45:13.4	02:08:14	300	90	3.0	#160 2MACS	2	
0057.BDp284211	60	1:46	21:51:11.1	28:51:53	300	110	3.0	#56 Spectropho	2	thin clouds overhead
0058.BDp284211	60	1:47	21:51:11.1	28:51:53	300	110	3.0	#56 Spectropho	2	
0059.BDp284211	60	1:48	21:51:11.1	28:51:53	300	110	3.0	#56 Spectropho	2	
0060.COMP	12	1:50	21:51:11.1	28:51:53	300	110	3.0	#56 Spectropho	2	
0061.BDp174708	30	1:53	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0062.BDp174708	30	1:54	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0063.BDp174708	30	1:55	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0064.COMP	12	1:56	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0065.2M18105107+8736422	1020	2:01	18:10:51.0	+87:36:42	300	90	3.0	#141 Mapping t	2	
0066.COMP	12	2:19	18:10:51.0	+87:36:42	300	90	3.0	#141 Mapping t	2	
0067.2M18162129+1929369	1080	2:24	18:16:21.2	+19:29:36	300	100	3.0	#141 Mapping t	2	
0068.COMP	12	2:42	18:16:21.2	+19:29:36	300	100	3.0	#141 Mapping t	2	
0069.2M18170481+1936233	1080	2:44	18:17:04.8	+19:36:23	300	90	3.0	#141 Mapping t	2	
0070.COMP	12	3:03	18:17:04.8	+19:36:23	300	90	3.0	#141 Mapping t	2	
0071.2M18174416+3818157	1200	3:10	18:17:44.1	+38:18:15	300	0	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0072.COMP	12	3:31	18:17:44.1	+38:18:15	300	0	3.0	#141 Mapping t	2	
0073.2M19155368+7428540	1200	3:35	19:15:53.6	+74:28:54	300	90	3.0	#141 Mapping t	2	
0074.COMP	12	3:56	19:15:53.6	+74:28:54	300	90	3.0	#141 Mapping t	2	
0075.2M19162641+6222167	1080	4:16	19:16:26.4	+62:22:16	300	90	3.0	#141 Mapping t	2	
0076.COMP	12	4:35	19:16:26.4	+62:22:16	300	90	3.0	#141 Mapping t	2	
0077.sn2005iq	1800	4:41	23:58:32.5	-18:42:33	300	6	3.0	#2 SN Observat	2	
0078.COMP	12	5:11	23:58:32.5	-18:42:33	300	6	3.0	#2 SN Observat	2	
0079.sn2005hk	1800	5:17	00:27:50.8	-01:11:52	300	12	3.0	#2 SN Observat	2	
0080.COMP	12	5:47	00:27:50.8	-01:11:52	300	12	3.0	#2 SN Observat	2	wait out some clouds
0081.f1_31	720	6:25	0:53:39.4	+11:58:38	300	90	3.0	#163 Mapping M	2	
0082.COMP	12	6:37	0:53:39.4	+11:58:38	300	90	3.0	#163 Mapping M	2	
0083.f1_32	1200	6:38	0:52:55.6	+11:40:47	300	90	3.0	#163 Mapping M	2	
0084.COMP	12	6:59	0:52:55.6	+11:40:47	300	90	3.0	#163 Mapping M	2	
0085.f1_33	1080	7:45	0:52:42.2	+11:42:39	300	90	3.0	#163 Mapping M	2	
0086.COMP	12	8:03	0:52:42.2	+11:42:39	300	90	3.0	#163 Mapping M	2	
0087.sn2005hg	1800	8:09	01:55:41.8	+46:47:47	300	100	3.0	#2 SN Observat	2	
0088.COMP	12	8:40	01:55:41.8	+46:47:47	300	100	3.0	#2 SN Observat	2	
0089.sn2005eq	960	8:46	3:08:49.3	-07:01:59	300	25	3.0	#2 SN Observat	2	shorten exposure for clouds
0090.COMP	12	9:03	3:08:49.3	-07:01:59	300	25	3.0	#2 SN Observat	2	
0091.cvso-279160	480	10:54	05:52:17.9	-02:32:32	300	100	3.0	#112 Orion PMS	2	hole...

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0092.COMP	12	11:03	05:52:17.9	-02:32:32	300	100	3.0	#112 Orion PMS	2	
0093.cvso-279212	720	11:04	05:52:21.1	-02:32:30	300	100	3.0	#112 Orion PMS	2	hole go *poof*
0094.COMP	12	11:17	05:52:21.1	-02:32:30	300	100	3.0	#112 Orion PMS	2	
0095-0104.BIAS	0	11:54	05:52:21.1	-02:32:30	300	90	3.0	#2 SN Observat	4	
0105-0114.FLAT	8	11:59	05:52:21.1	-02:32:30	300	90	3.0	#2 SN Observat	4	
0115-0124.BIAS	0	12:01	05:52:21.1	-02:32:30	300	90	3.0	#2 SN Observat	2	
0125-0144.FLAT	16	12:11	05:52:21.1	-02:32:30	300	90	3.0	#2 SN Observat	2	
0145-0154.DARK	900	14:29	05:52:21.1	-02:32:30	300	90	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0008.DARK	900	23:40	05:52:21.1	-02:32:30	300	90	3.0	#2 SN Observat	4	
0009-0010.BIAS	0	0:21	20:06:26.0	+31:28:45	300	90	3.0	#2 SN Observat	4	
0011-0020.BIAS	0	0:23	20:07:53.3	+31:28:44	300	90	3.0	#2 SN Observat	4	
0021-0023.FLAT	8	0:23	20:08:54.3	+31:28:44	300	90	3.0	#2 SN Observat	4	
0024-0029.FLAT	8	0:25	20:10:55.8	+31:28:43	300	90	3.0	#2 SN Observat	4	
0030.FLAT	8	0:26	20:11:17.1	+31:28:42	300	90	3.0	#2 SN Observat	4	
0031-0039.BIAS	0	0:28	20:13:18.3	+31:28:42	300	90	3.0	#2 SN Observat	2	
0040.BIAS	0	0:28	20:13:31.3	+31:28:41	300	90	3.0	#2 SN Observat	2	
0041-0043.FLAT	16	0:29	20:15:07.2	+31:28:41	300	90	3.0	#2 SN Observat	2	
0044-0048.FLAT	16	0:32	20:17:39.0	+31:28:40	300	90	3.0	#2 SN Observat	2	
0049-0052.FLAT	16	0:34	20:19:40.4	+31:28:39	300	90	3.0	#2 SN Observat	2	
0053-0057.FLAT	16	0:37	20:22:12.1	+31:28:38	300	90	3.0	#2 SN Observat	2	
0058-0060.FLAT	16	0:38	20:23:43.1	+31:28:37	300	90	3.0	#2 SN Observat	2	
0061.sky	10	0:56	20:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	delayed start due to 1.2m
0062.sky	15	0:56	20:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0063.sky	20	0:56	20:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0064.COMP	5	0:57	20:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0065.N7331	180	1:23	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0066.COMP	5	1:26	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0067.2M19374927+4127018	270	1:29	19:37:49.2	+41:27:01	300	90	3.0	#141 Mapping t	4	cloudy cloudy cloudy

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0068.COMP	5	1:33	19:37:49.2	+41:27:01	300	90	3.0	#141 Mapping t	4	
0069.2M19380713+5223238	360	1:36	19:38:07.1	+52:23:23	300	90	3.0	#141 Mapping t	4	
0070.COMP	5	1:42	19:38:07.1	+52:23:23	300	90	3.0	#141 Mapping t	4	
0071.2M19390998+4132393	600	1:43	19:39:09.9	+41:32:39	300	90	3.0	#141 Mapping t	4	tilt is a few pixels off
0072.COMP	5	1:54	19:39:09.9	+41:32:39	300	90	3.0	#141 Mapping t	4	
0073.2M19393247+6152276	270	1:55	19:39:32.4	+61:52:27	300	90	3.0	#141 Mapping t	4	
0074.COMP	5	2:00	19:39:32.4	+61:52:27	300	90	3.0	#141 Mapping t	4	
0075.2M19403422+7647464	330	2:01	19:40:34.2	+76:47:46	300	90	3.0	#141 Mapping t	4	
0076.COMP	5	2:07	19:40:34.2	+76:47:46	300	90	3.0	#141 Mapping t	4	
0077.BDp284211	100	2:09	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0078.BDp284211	100	2:11	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0079.BDp284211	100	2:12	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0080.COMP	10	2:15	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0081.BDp174708	50	2:16	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0082.BDp174708	50	2:17	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0083.BDp174708	50	2:18	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0084.COMP	10	2:19	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0085.2M19393383+4528122	600	2:21	19:39:33.8	+45:28:12	300	90	3.0	#141 Mapping t	4	stop and go through clouds
0086.COMP	5	2:31	19:39:33.8	+45:28:12	300	90	3.0	#141 Mapping t	4	
0087.Akn564	240	2:37	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
0088.Akn564	240	2:41	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0089.COMP	5	2:46	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0090.N7469	240	4:09	23:03:15.7	+08:52:27	300	30	3.0	#6 AGN Monitor	4	
0091.N7469	240	4:13	23:03:15.7	+08:52:27	300	30	3.0	#6 AGN Monitor	4	
0092.COMP	5	4:18	23:03:15.7	+08:52:27	300	30	3.0	#6 AGN Monitor	4	
0093.sn2005hk	1800	4:20	00:27:50.8	-01:11:52	300	0	3.0	#2 SN Observat	2	
0094.COMP	10	4:51	00:27:50.8	-01:11:52	300	0	3.0	#2 SN Observat	2	
0095.MRK335	180	5:22	00:06:19.6	+20:12:11	300	50	3.0	#6 AGN Monitor	4	
0096.MRK335	180	5:25	00:06:19.6	+20:12:11	300	50	3.0	#6 AGN Monitor	4	
0097.COMP	5	5:29	00:06:19.6	+20:12:11	300	50	3.0	#6 AGN Monitor	4	
0098.sn2005hg	1080	5:31	01:55:41.8	+46:47:47	300	10	3.0	#2 SN Observat	2	ok, but stopped short by clouds
0099.COMP	10	5:49	01:55:41.8	+46:47:47	300	10	3.0	#2 SN Observat	2	
0100.2M23474276+5213307	900	6:05	23:47:42.7	+52:13:30	300	80	3.0	#141 Mapping t	2	ok lines but on the weak side for sure
0101.COMP	10	6:21	23:47:42.7	+52:13:30	300	80	3.0	#141 Mapping t	2	
0102.2M23552838+3015086	900	6:22	23:55:28.3	+30:15:08	300	80	3.0	#141 Mapping t	2	
0103.COMP	10	6:38	23:55:28.3	+30:15:08	300	80	3.0	#141 Mapping t	2	
0104.2M01562185+4442327	360	6:39	01:56:21.8	+44:42:32	300	80	3.0	#141 Mapping t	2	
0105.COMP	10	6:46	01:56:21.8	+44:42:32	300	80	3.0	#141 Mapping t	2	
0106.2M01571097+4715588	300	6:47	01:57:10.9	+47:15:59	300	70	3.0	#141 Mapping t	4	
0107.COMP	5	6:53	01:57:10.9	+47:15:59	300	70	3.0	#141 Mapping t	4	

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0108.2M02013087+4512048	360	6:54	02:01:30.8	+45:12:5	300	75	3.0	#141 Mapping t	4	
0109.COMP	5	7:00	02:01:30.8	+45:12:5	300	75	3.0	#141 Mapping t	4	
0110.f1_34	480	7:01	0:52:35.4	+11:47:51	300	75	3.0	#163 Mapping M	4	
0111.COMP	5	7:09	0:52:35.4	+11:47:51	300	75	3.0	#163 Mapping M	4	
0112.f1_35	900	7:11	0:51:28.9	+11:35:09	300	90	3.0	#163 Mapping M	4	star, but there is h-alpha emission from an underlying faint ga
0113.COMP	5	7:26	0:51:28.9	+11:35:09	300	90	3.0	#163 Mapping M	4	
0114.f1_36	900	7:27	0:51:12.2	+12:01:31	300	90	3.0	#163 Mapping M	4	reflection neb, not a galaxy, sup star to north is not in slit
0115.COMP	5	7:42	0:51:12.2	+12:01:31	300	90	3.0	#163 Mapping M	4	
0116.f1_37	900	7:44	0:51:02.4	+12:00:53	300	90	3.0	#163 Mapping M	4	
0117.COMP	5	7:59	0:51:02.4	+12:00:53	300	90	3.0	#163 Mapping M	4	
0118.f1_38	600	8:00	0:50:57.1	+11:59:53	300	90	3.0	#163 Mapping M	4	
0119.COMP	5	8:10	0:50:57.1	+11:59:53	300	90	3.0	#163 Mapping M	4	
0120.2M02105551+4120529	240	8:15	02:10:55.5	+41:20:52	300	90	3.0	#141 Mapping t	4	
0121.COMP	5	8:20	02:10:55.5	+41:20:52	300	90	3.0	#141 Mapping t	4	
0122.2M02110774+4911308	300	8:21	02:11:7.7	+49:11:30	300	90	3.0	#141 Mapping t	4	
0123.COMP	5	8:26	02:11:7.7	+49:11:30	300	90	3.0	#141 Mapping t	4	
0124.2M02131001+5017054	300	8:27	02:13:10.0	+50:17:5	300	90	3.0	#141 Mapping t	4	
0125.COMP	5	8:32	02:13:10.0	+50:17:5	300	90	3.0	#141 Mapping t	4	
0126.2M03095193+1317572	300	8:33	03:09:51.9	+13:17:57	300	90	3.0	#141 Mapping t	4	
0127.COMP	5	8:39	03:09:51.9	+13:17:57	300	90	3.0	#141 Mapping t	4	

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0128.2M03100479+0920351	600	8:39	03:10:4.8	+09:20:35	300	90	3.0	#141 Mapping t	4	
0129.COMP	5	8:50	03:10:4.8	+09:20:35	300	90	3.0	#141 Mapping t	4	
0130.2M03103162+0416184	300	8:50	03:10:31.6	+04:16:18	300	90	3.0	#141 Mapping t	4	
0131.COMP	5	8:56	03:10:31.6	+04:16:18	300	90	3.0	#141 Mapping t	4	
0132.2M03125006+0715080	900	8:56	03:12:50.0	+07:15:8	300	90	3.0	#141 Mapping t	4	
0133.COMP	5	9:12	03:12:50.0	+07:15:8	300	90	3.0	#141 Mapping t	4	
0134.2M03144476+0311142	420	9:13	03:14:44.7	+03:11:14	300	90	3.0	#141 Mapping t	4	
0135.COMP	5	9:21	03:14:44.7	+03:11:14	300	90	3.0	#141 Mapping t	4	
0136.2M03152730+0531585	390	9:21	03:15:27.3	+05:31:58	300	90	3.0	#141 Mapping t	4	
0137.COMP	5	9:28	03:15:27.3	+05:31:58	300	90	3.0	#141 Mapping t	4	
0138.2M03245919-0407392	270	9:29	03:24:59.1	-04:07:39	300	90	3.0	#141 Mapping t	4	
0139.COMP	5	9:34	03:24:59.1	-04:07:39	300	90	3.0	#141 Mapping t	4	
0140.2M03274245-0540194	390	9:34	03:27:42.4	-05:40:19	300	90	3.0	#141 Mapping t	4	
0141.COMP	5	9:41	03:27:42.4	-05:40:19	300	90	3.0	#141 Mapping t	4	
0142.2M03283888-0335363	390	9:42	03:28:38.8	-03:35:36	300	90	3.0	#141 Mapping t	4	
0143.COMP	5	9:49	03:28:38.8	-03:35:36	300	90	3.0	#141 Mapping t	4	
0144.2M03293456-0132279	270	9:49	03:29:34.5	-01:32:27	300	90	3.0	#141 Mapping t	4	
0145.COMP	5	9:54	03:29:34.5	-01:32:27	300	90	3.0	#141 Mapping t	4	
0146.2M03344435-0423596	270	9:55	03:34:44.3	-04:24:0	300	90	3.0	#141 Mapping t	4	
0147.COMP	5	10:00	03:34:44.3	-04:24:0	300	90	3.0	#141 Mapping t	4	

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0148.2M03370182-0742246	330	10:00	03:37:1.8	-07:42:24	300	90	3.0	#141 Mapping t	4	
0149.COMP	5	10:06	03:37:1.8	-07:42:24	300	90	3.0	#141 Mapping t	4	
0150.2M03361171-0236266	300	10:07	03:36:11.7	-02:36:26	300	90	3.0	#141 Mapping t	4	
0151.COMP	5	10:12	03:36:11.7	-02:36:26	300	90	3.0	#141 Mapping t	4	
0152.2M03380869-0122362	300	10:13	03:38:8.7	-01:22:36	300	90	3.0	#141 Mapping t	4	
0153.COMP	5	10:18	03:38:8.7	-01:22:36	300	90	3.0	#141 Mapping t	4	
0154.2M03383892+0417098	300	10:19	03:38:38.9	+04:17:10	300	90	3.0	#141 Mapping t	4	
0155.COMP	5	10:24	03:38:38.9	+04:17:10	300	90	3.0	#141 Mapping t	4	
0156.2M03403100-0233041	720	10:25	03:40:30.9	-02:33:4	300	90	3.0	#141 Mapping t	4	
0157.COMP	5	10:37	03:40:30.9	-02:33:4	300	90	3.0	#141 Mapping t	4	
0158.Akn120	300	10:40	05:13:38.0	-00:12:15	300	30	3.0	#6 AGN Monitor	4	
0159.COMP	5	10:45	05:13:38.0	-00:12:15	300	30	3.0	#6 AGN Monitor	4	
0160.cvso-257534	240	10:47	05:52:30.5	-04:13:08	300	90	3.0	#112 Orion PMS	4	
0161.COMP	5	10:52	05:52:30.5	-04:13:08	300	90	3.0	#112 Orion PMS	4	
0162.cvso-257537	300	10:52	05:52:30.7	-03:48:43	300	90	3.0	#112 Orion PMS	4	
0163.COMP	5	10:57	05:52:30.7	-03:48:43	300	90	3.0	#112 Orion PMS	4	
0164.cvso-257583	300	10:58	05:52:33.7	-03:45:09	300	90	3.0	#112 Orion PMS	4	
0165.COMP	5	11:04	05:52:33.7	-03:45:09	300	90	3.0	#112 Orion PMS	4	
0166.cvso-257029	240	11:04	05:53:01.6	-02:22:40	300	90	3.0	#112 Orion PMS	4	
0167.COMP	5	11:08	05:53:01.6	-02:22:40	300	90	3.0	#112 Orion PMS	4	

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0168.cvso-284260	480	11:09	05:53:55.9	-03:22:33	300	90	3.0	#112 Orion PMS	4	
0169.COMP	5	11:18	05:53:55.9	-03:22:33	300	90	3.0	#112 Orion PMS	4	
0170.cvso-284214	480	11:19	05:53:52.3	-03:31:28	300	90	3.0	#112 Orion PMS	4	
0171.COMP	5	11:27	05:53:52.3	-03:31:28	300	90	3.0	#112 Orion PMS	4	
0172.cvso-258748	180	11:28	05:53:47.1	-03:45:11	300	90	3.0	#112 Orion PMS	4	
0173.COMP	5	11:31	05:53:47.1	-03:45:11	300	90	3.0	#112 Orion PMS	4	
0174.cvso-258578	300	11:33	05:54:17.9	-02:18:52	300	90	3.0	#112 Orion PMS	4	
0175.COMP	5	11:38	05:54:17.9	-02:18:52	300	90	3.0	#112 Orion PMS	4	
0176.cvso-258613	360	11:39	05:54:19.4	-02:05:16	300	90	3.0	#112 Orion PMS	4	
0177.COMP	5	11:45	05:54:19.4	-02:05:16	300	90	3.0	#112 Orion PMS	4	
0178.cvso-259195	360	11:46	05:54:20.7	-04:08:24	300	90	3.0	#112 Orion PMS	4	
0179.COMP	5	11:52	05:54:20.7	-04:08:24	300	90	3.0	#112 Orion PMS	4	
0180.sn2005ip	900	11:56	09:32:06.4	08:26:44	300	0	3.0	#2 SN Observat	2	
0181.COMP	10	12:11	09:32:06.4	08:26:44	300	0	3.0	#2 SN Observat	2	
0182.2M06244552+5353371	300	12:16	06:24:45.5	+53:53:37	300	90	3.0	#141 Mapping t	4	
0183.COMP	5	12:22	06:24:45.5	+53:53:37	300	90	3.0	#141 Mapping t	4	
0184.2M06325760+5229580	300	12:22	06:32:57.6	+52:29:58	300	90	3.0	#141 Mapping t	4	
0185.COMP	5	12:28	06:32:57.6	+52:29:58	300	90	3.0	#141 Mapping t	4	
0186.2M06333189+5029102	300	12:28	06:33:31.8	+50:29:10	300	90	3.0	#141 Mapping t	4	
0187.COMP	5	12:33	06:33:31.8	+50:29:10	300	90	3.0	#141 Mapping t	4	

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0188.N3377	150	12:35	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0189.N3377	150	12:38	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0190.COMP	5	12:41	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0191-0200.BIAS	0	12:44	10:45:02.6	+14:14:51	300	90	3.0	#2 SN Observat	4	
0201-0210.FLAT	8	12:47	10:45:02.6	+14:14:51	300	90	3.0	#2 SN Observat	4	
0211-0220.BIAS	0	12:49	10:45:02.6	+14:14:51	300	90	3.0	#2 SN Observat	2	
0221-0240.FLAT	16	12:59	10:45:02.6	+14:14:51	300	90	3.0	#2 SN Observat	2	
0241-0245.DARK	900	14:08	10:45:02.6	+14:14:51	300	90	3.0	#2 SN Observat	4	
0246-0250.DARK	900	15:24	10:45:02.6	+14:14:51	300	90	3.0	#2 SN Observat	2	

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0001.COMP	5	22:01	17:49:52.6	+31:29:55	300	90	3.0	#2 SN Observat	4	
0002.DARK	900	23:27	19:31:38.8	+31:29:01	300	90	3.0	#2 SN Observat	2	
0003.DARK	900	23:43	19:46:53.8	+31:28:54	300	90	3.0	#2 SN Observat	2	
0004.DARK	900	23:58	20:02:09.2	+31:28:47	300	90	3.0	#2 SN Observat	2	
0005.DARK	900	0:13	20:17:24.6	+31:28:40	300	90	3.0	#2 SN Observat	2	
0006.DARK	900	0:28	20:32:36.4	+31:28:33	300	90	3.0	#2 SN Observat	2	
0007.DARK	900	0:43	20:47:51.5	+31:28:27	300	90	3.0	#2 SN Observat	2	
0008-0015.BIAS	0	1:01	20:50:32.3	+31:28:26	300	90	3.0	#2 SN Observat	4	
0016-0017.BIAS	0	1:01	20:50:48.9	+31:28:25	300	90	3.0	#2 SN Observat	4	
0018-0023.FLAT	8	1:03	20:52:50.8	+31:28:25	300	90	3.0	#2 SN Observat	4	
0024-0027.FLAT	8	1:05	20:54:13.0	+31:28:24	300	90	3.0	#2 SN Observat	4	
0028-0033.BIAS	0	1:06	20:55:31.6	+31:28:24	300	90	3.0	#2 SN Observat	2	
0034-0037.BIAS	0	1:07	20:56:23.5	+31:28:23	300	90	3.0	#2 SN Observat	2	
0038-0040.FLAT	16	1:08	20:58:03.0	+31:28:23	300	90	3.0	#2 SN Observat	2	
0041-0045.FLAT	16	1:11	21:00:34.8	+31:28:22	300	90	3.0	#2 SN Observat	2	
0046-0050.FLAT	16	1:13	21:03:02.9	+31:28:21	300	90	3.0	#2 SN Observat	2	
0051-0055.FLAT	16	1:16	21:05:35.4	+31:28:20	300	90	3.0	#2 SN Observat	2	
0056-0058.FLAT	16	1:17	21:07:06.6	+31:28:19	300	90	3.0	#2 SN Observat	2	
0059.grb1	600	1:42	22:01:15.3	40:49:23	300	90	3.0	#126 GRB	2	
0060.GRB	900	2:03	22:01:15.3	40:49:23	300	90	3.0	#126 GRB	2	

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0061.COMP	5	2:20	22:01:15.3	40:49:23	300	90	3.0	#126 GRB	2	
0062.GRB126	900	2:29	22:01:15.3	40:49:23	300	90	3.0	#126 GRB	2	
0063.BDp284211	180	3:29	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0064.BDp284211	180	3:32	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0065.BDp284211	180	3:35	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0066.COMP	5	3:39	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0067.BDp174708	180	3:52	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0068.BDp174708	180	3:55	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0069.BDp174708	180	3:59	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0070.COMP	5	4:03	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0071.NGC7331	180	4:51	22:34:47	+34:09:43	300	90	3.0	#57 Velocity S	2	
0072.COMP	5	4:55	22:34:47	+34:09:43	300	90	3.0	#57 Velocity S	2	
0073.sn2005hk	1200	5:03	00:27:50.8	-01:11:52	300	90	3.0	#2 SN Observat	2	
0074.COMP	5	5:24	00:27:50.8	-01:11:52	300	90	3.0	#2 SN Observat	2	
0075.2M02170461+4007598	360	5:50	02:17:4.6	+40:08:0	300	90	3.0	#141 Mapping t	2	
0076.COMP	5	5:58	02:17:4.6	+40:08:0	300	90	3.0	#141 Mapping t	2	
0077.sn2005hg	1800	6:08	01:55:41.8	+46:47:47	300	90	3.0	#2 SN Observat	2	
0078.COMP	5	6:41	01:55:41.8	+46:47:47	300	90	3.0	#2 SN Observat	2	
0079.sn2005eu	1200	6:48	02:27:43.2	+28:10:36	300	90	3.0	#2 SN Observat	2	
0080.COMP	5	7:09	02:27:43.2	+28:10:36	300	90	3.0	#2 SN Observat	2	

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0081.2M02170956+2419549	360	7:16	02:17:9.5	+24:19:55	300	90	3.0	#141 Mapping t	2	
0082.COMP	5	7:23	02:17:9.5	+24:19:55	300	90	3.0	#141 Mapping t	2	
0083.2M02215136+0842215	360	7:25	02:21:51.3	+08:42:21	300	90	3.0	#141 Mapping t	2	
0084.COMP	5	7:32	02:21:51.3	+08:42:21	300	90	3.0	#141 Mapping t	2	
0085.2M02260267+2506319	420	7:36	02:26:2.6	+25:06:32	300	90	3.0	#141 Mapping t	2	
0086.COMP	5	7:43	02:26:2.6	+25:06:32	300	90	3.0	#141 Mapping t	2	
0087.2M02261464+2230404	480	7:47	02:26:14.6	+22:30:40	300	90	3.0	#141 Mapping t	2	
0088.COMP	5	7:55	02:26:14.6	+22:30:40	300	90	3.0	#141 Mapping t	2	
0089.2M02275788+4033032	420	7:58	02:27:57.8	+40:33:3	300	90	3.0	#141 Mapping t	2	
0090.COMP	5	8:05	02:27:57.8	+40:33:3	300	90	3.0	#141 Mapping t	2	
0091.2M02280236+2740072	480	8:08	02:28:2.3	+27:40:7	300	90	3.0	#141 Mapping t	2	
0092.COMP	5	8:16	02:28:2.3	+27:40:7	300	90	3.0	#141 Mapping t	2	
0093.2M02285976+4211529	540	8:19	02:29:0.0	+42:11:53	300	90	3.0	#141 Mapping t	2	
0094.COMP	5	8:29	02:29:0.0	+42:11:53	300	90	3.0	#141 Mapping t	2	
0095.2M04142633+0631223	540	8:40	04:14:26.3	+06:31:22	300	57	3.0	#141 Mapping t	2	
0096.COMP	5	8:49	04:14:26.3	+06:31:22	300	57	3.0	#141 Mapping t	2	
0097-0106.BIAS	0	12:37	05:59:51.0	-02:31:57	300	90	3.0	#112 Orion PMS	4	
0107-0116.FLAT	8	12:40	05:59:51.0	-02:31:57	300	90	3.0	#112 Orion PMS	4	
0117-0126.BIAS	0	12:42	05:59:51.0	-02:31:57	300	90	3.0	#112 Orion PMS	2	
0127-0147.FLAT	16	12:53	05:59:51.0	-02:31:57	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>Bin</i>	<i>Comments</i>
0148-0157.DARK	1200	16:04	05:59:51.0	-02:31:57	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
0001-0010.BIAS	0	0:12	20:52:09.6	+31:28:26	300	90	3.0	#112 Orion PMS	4	
0011.FLAT	8	0:12	20:52:31.3	+31:28:26	300	90	3.0	#112 Orion PMS	4	start of FAST run
0012-0013.FLAT	8	0:13	20:53:10.7	+31:28:26	300	90	3.0	#112 Orion PMS	4	
0014-0020.FLAT	8	0:15	20:55:33.5	+31:28:25	300	90	3.0	#112 Orion PMS	4	
0021-0030.BIAS	0	0:17	20:57:44.0	+31:28:24	300	90	3.0	#112 Orion PMS	2	
0031-0035.FLAT	16	0:20	21:00:24.3	+31:28:23	300	90	3.0	#112 Orion PMS	2	
0036-0040.FLAT	16	0:22	21:02:56.3	+31:28:22	300	90	3.0	#112 Orion PMS	2	
0041-0045.FLAT	16	0:25	21:05:28.0	+31:28:21	300	90	3.0	#112 Orion PMS	2	
0046-0050.FLAT	16	0:27	21:07:56.2	+31:28:20	300	90	3.0	#112 Orion PMS	2	
0051.FLAT	16	0:28	21:08:26.7	+31:28:19	300	90	3.0	#112 Orion PMS	2	
0052-0056.sky	3	0:38	21:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.COMP	5	0:38	21:15:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0058.BDp174708	45	1:10	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0059.BDp174708	45	1:11	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0060.BDp174708	45	1:12	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0061.COMP	10	1:13	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0062.BDp284211	90	1:15	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0063.BDp284211	90	1:16	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0064.COMP	10	1:21	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0065.YYHer	10	1:23	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	

UT Date 2005-11-22 Observers P BerlindColl. Focus 1020 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0066.YYHer	60	1:23	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0067.COMP	5	1:25	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0068.V443Her	5	1:25	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0069.V443Her	45	1:26	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0070.COMP	5	1:27	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0071.BFCyg	5	1:28	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0072.BFCyg	60	1:29	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0073.COMP	5	1:30	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0074.CHCyg	1	1:31	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0075.CHCyg	5	1:32	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0076.CHCyg	5	1:32	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0077.COMP	5	1:33	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0078.CICyg	2	1:34	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0079.CICyg	20	1:34	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0080.CICyg	60	1:34	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0081.COMP	5	1:36	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0082.V1016Cyg	60	1:37	19:57:05	39:49:37	300	90	3.0	#12 Symbiotic	4	
0083.V1016Cyg	5	1:38	19:57:05	39:49:37	300	90	3.0	#12 Symbiotic	4	
0084.COMP	5	1:38	19:57:05	39:49:37	300	90	3.0	#12 Symbiotic	4	
0085.PUVul	5	1:40	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0086.PUVu1	60	1:40	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0087.COMP	5	1:41	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0088.MRK509	180	1:44	20:44:09.8	-10:43:24	300	35	3.0	#6 AGN Monitor	2	
0089.MRK509	180	1:47	20:44:09.8	-10:43:24	300	35	3.0	#6 AGN Monitor	2	
0090.COMP	5	1:50	20:44:09.8	-10:43:24	300	35	3.0	#6 AGN Monitor	2	wk
0091.Akn564	180	1:51	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0092.Akn564	180	1:55	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0093.COMP	10	1:58	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0094.V1057Cyg	60	1:59	20:58:54	44:15:30	300	90	3.0	#12 Symbiotic	4	
0095.V1057Cyg	60	2:00	20:58:54	44:15:30	300	90	3.0	#12 Symbiotic	4	
0096.COMP	5	2:02	20:58:54	44:15:30	300	90	3.0	#12 Symbiotic	4	
0097.ZAnd	1	2:03	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0098.ZAnd	5	2:03	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0099.ZAnd	30	2:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0100.COMP	5	2:05	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0101.EGAnd	1	2:06	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	4	
0102.EGAnd	1	2:06	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	4	
0103.EGAnd	5	2:06	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	4	
0104.COMP	5	2:07	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	4	
0105.RAqr	1	2:08	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	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>
0106.RAqr	1	2:09	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	4	
0107.RAqr	5	2:09	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	4	
0108.COMP	5	2:10	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	4	
0109.N7469	150	2:11	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0110.N7469	150	2:13	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0111.COMP	10	2:16	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0112.MRK335	150	2:17	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0113.MRK335	150	2:20	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0114.COMP	10	2:23	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0115.225m280	240	2:24	00:41:45.1	+41:05:12	300	90	3.0	#57 Velocity S	4	
0116.COMP	5	2:28	00:41:45.1	+41:05:12	300	90	3.0	#57 Velocity S	4	
0117.AXPer	15	2:29	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	4	
0118.AXPer	45	2:30	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	4	
0119.AXPer	90	2:31	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	4	
0120.COMP	5	2:33	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	4	
0121.sn2005hg	1800	2:35	01:55:41.8	+46:47:47	300	74	3.0	#2 SN Observat	2	
0122.COMP	10	3:06	01:55:41.8	+46:47:47	300	74	3.0	#2 SN Observat	2	
0123.ROTSE0222p4122	600	3:07	2:22:16.4	41:22:59	300	90	3.0	#148 Accretion	2	
0124.COMP	10	3:18	2:22:16.4	41:22:59	300	90	3.0	#148 Accretion	2	
0125.test	20	3:21	00:20:00	32:00:00	1200	90	1.5	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0126.test	20	3:24	00:20:00	32:00:00	1200	90	1.5	#148 Accretion	2	
0127.test	20	3:25	00:20:00	32:00:00	1200	90	1.5	#148 Accretion	2	
0128.COMP	30	3:27	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	1200-line, 1.5-sec, Steeghs
0129.ROTSE0222p4122	600	3:28	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0130.test	60	3:40	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0131.ROTSE0222p4122	600	3:42	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0132.ROTSE0222p4122	600	3:53	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0133.COMP	30	4:03	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0134.HD21481	30	4:06	03:29:50	47:58:37	1200	90	1.5	#148 Accretion	2	
0135.HD12953	10	4:08	02:08:40	58:25:25	1200	90	1.5	#148 Accretion	2	
0136.ROTSE0222p4122	900	4:10	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0137.ROTSE0222p4122	900	4:25	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0138.COMP	30	4:41	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0139.ROTSE0222p4122	900	4:42	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0140.ROTSE0222p4122	900	4:57	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0141.COMP	30	5:12	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0142.ROTSE0222p4122	900	5:13	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0143.ROTSE0222p4122	900	5:29	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0144.COMP	30	5:44	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0145.ROTSE0222p4122	900	5:45	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	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>
0146.ROTSE0222p4122	900	6:00	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0147.COMP	30	6:16	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0148.ROTSE0222p4122	900	6:17	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0149.ROTSE0222p4122	900	6:32	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0150.COMP	30	6:48	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0151.ROTSE0222p4122	900	6:49	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0152.ROTSE0222p4122	900	7:04	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0153.COMP	30	7:19	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0154.ROTSE0222p4122	900	7:20	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0155.ROTSE0222p4122	900	7:36	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0156.COMP	30	7:51	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0157.ROTSE0222p4122	900	7:52	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0158.ROTSE0222p4122	900	8:07	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0159.COMP	30	8:23	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0160.ROTSE0222p4122	900	8:24	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0161.ROTSE0222p4122	900	8:39	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0162.COMP	30	8:55	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0163-0172.FLAT	120	9:18	6:0:0	32:0:0	1200	90	1.5	#148 Accretion	2	
0173.test	10	9:27	6:20:00	32:00:00	300	90	3.0	#148 Accretion	2	
0174.test	10	9:30	6:20:00	32:00:00	300	90	3.0	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0175.test	10	9:32	6:20:00	32:00:00	300	90	3.0	#148 Accretion	2	
0176.cvso-259218	300	9:35	05:54:21.9	-03:45:09	300	90	3.0	#112 Orion PMS	4	300-line, 3-sec, combo
0177.COMP	5	9:40	05:54:21.9	-03:45:09	300	90	3.0	#112 Orion PMS	4	
0178.cvso-281897	480	9:41	05:54:52.0	-02:57:11	300	90	3.0	#112 Orion PMS	4	thin clouds, bright moon
0179.COMP	5	9:50	05:54:52.0	-02:57:11	300	90	3.0	#112 Orion PMS	4	
0180.cvso-260204	600	9:50	05:55:21.0	-03:47:19	300	90	3.0	#112 Orion PMS	4	
0181.COMP	5	10:01	05:55:21.0	-03:47:19	300	90	3.0	#112 Orion PMS	4	
0182.cvso-260267	300	10:01	05:55:24.5	-04:04:13	300	90	3.0	#112 Orion PMS	4	
0183.COMP	5	10:07	05:55:24.5	-04:04:13	300	90	3.0	#112 Orion PMS	4	
0184.cvso-282607	600	10:08	05:55:33.1	-02:58:19	300	90	3.0	#112 Orion PMS	4	
0185.COMP	5	10:18	05:55:33.1	-02:58:19	300	90	3.0	#112 Orion PMS	4	
0186.cvso-260444	240	10:19	05:55:35.0	-01:55:31	300	90	3.0	#112 Orion PMS	4	
0187.COMP	5	10:24	05:55:35.0	-01:55:31	300	90	3.0	#112 Orion PMS	4	
0188.cvso-282734	300	10:24	05:55:41.2	-02:46:57	300	90	3.0	#112 Orion PMS	2	target is the M star at row 85
0189.COMP	10	10:30	05:55:41.2	-02:46:57	300	90	3.0	#112 Orion PMS	2	
0190.cvso-286960	600	10:31	05:56:24.5	-03:15:26	300	90	3.0	#112 Orion PMS	4	
0191.COMP	5	10:41	05:56:24.5	-03:15:26	300	90	3.0	#112 Orion PMS	4	
0192.cvso-261479	300	10:43	05:56:31.6	-03:52:12	300	90	3.0	#112 Orion PMS	4	
0193.COMP	5	10:48	05:56:31.6	-03:52:12	300	90	3.0	#112 Orion PMS	4	
0194.cvso-287413	420	10:50	05:56:47.8	-03:36:54	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
0195.COMP	5	10:58	05:56:47.8	-03:36:54	300	90	3.0	#112 Orion PMS	4	
0196.cvso-284015	300	10:59	05:56:55.0	-03:00:25	300	90	3.0	#112 Orion PMS	4	
0197.COMP	5	11:04	05:56:55.0	-03:00:25	300	90	3.0	#112 Orion PMS	4	
0198.cvso-287853	360	11:05	05:57:09.2	-03:37:37	300	90	3.0	#112 Orion PMS	4	
0199.COMP	5	11:11	05:57:09.2	-03:37:37	300	90	3.0	#112 Orion PMS	4	
0200.cvso-287958	660	11:12	05:57:14.3	-03:15:10	300	90	3.0	#112 Orion PMS	4	
0201.COMP	5	11:24	05:57:14.3	-03:15:10	300	90	3.0	#112 Orion PMS	4	
0202.cvso-263110	660	11:25	05:57:30.6	-02:24:30	300	90	3.0	#112 Orion PMS	4	
0203.COMP	5	11:36	05:57:30.6	-02:24:30	300	90	3.0	#112 Orion PMS	4	
0204.cvso-288321	660	11:37	05:57:32.0	-03:11:00	300	90	3.0	#112 Orion PMS	4	
0205.COMP	5	11:48	05:57:32.0	-03:11:00	300	90	3.0	#112 Orion PMS	4	
0206.cvso-262662	480	11:49	05:57:37.0	-03:51:06	300	90	3.0	#112 Orion PMS	4	
0207.COMP	5	11:57	05:57:37.0	-03:51:06	300	90	3.0	#112 Orion PMS	4	
0208.BXMon	20	12:01	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	4	
0209.BXMon	60	12:01	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	4	more clouds
0210.COMP	5	12:03	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	4	
0211-0220.BIAS	0	12:09	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	4	
0221-0230.FLAT	8	12:12	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	4	
0231-0240.BIAS	0	12:14	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	2	
0241-0250.FLAT	16	12:19	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	2	

UT Date 2005-11-22 Observers P BerlindColl. Focus 1020 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0251-0255.DARK	900	13:31	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	4	
0256-0260.DARK	900	14:47	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	2	
0261.COMP	5	16:16	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	1	
0262.COMP	5	16:17	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	2	
0263.COMP	5	16:18	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	3	
0264.COMP	5	16:19	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	4	
0265.COMP	10	16:20	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	1	
0266.COMP	10	16:21	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	1	
0267.COMP	5	16:22	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	1	
0268.COMP	5	16:22	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	2	
0269.COMP	5	16:23	7:25:23	-03:35:51	300	90	3.0	#148 Accretion	4	

UT Date 2005-11-23 Observers P BerlindColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	23:56	20:39:59.7	+31:28:31	300	90	3.0	#148 Accretion	4	
0011-0012.FLAT	8	23:56	20:40:43.0	+31:28:31	300	90	3.0	#148 Accretion	4	
0013-0019.FLAT	8	23:59	20:43:05.8	+31:28:30	300	90	3.0	#148 Accretion	4	
0020.FLAT	8	23:59	20:43:23.6	+31:28:29	300	90	3.0	#148 Accretion	4	
0021-0030.BIAS	0	0:01	20:45:37.7	+31:28:29	300	90	3.0	#148 Accretion	2	
0031-0035.FLAT	16	0:04	20:48:14.4	+31:28:28	300	90	3.0	#148 Accretion	2	
0036-0039.FLAT	16	0:06	20:50:15.8	+31:28:27	300	90	3.0	#148 Accretion	2	
0040-0044.FLAT	16	0:08	20:52:47.8	+31:28:26	300	90	3.0	#148 Accretion	2	
0045-0049.FLAT	16	0:11	20:55:19.5	+31:28:25	300	90	3.0	#148 Accretion	2	
0050-0051.FLAT	16	0:12	20:56:20.3	+31:28:24	300	90	3.0	#148 Accretion	2	
0052.DARK	900	0:15	21:14:33.7	+31:28:17	300	90	3.0	#148 Accretion	2	thick clouds all over
0053.DARK	900	0:30	21:29:48.9	+31:28:12	300	90	3.0	#148 Accretion	2	
0054.DARK	900	0:45	21:45:04.2	+31:28:06	300	90	3.0	#148 Accretion	2	
0055.DARK	900	1:01	22:00:19.5	+31:28:02	300	90	3.0	#148 Accretion	2	
0056.DARK	900	1:16	22:15:34.4	+31:27:58	300	90	3.0	#148 Accretion	2	
0057.BDp174708	45	1:39	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0058.BDp174708	45	1:40	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0059.BDp174708	45	1:41	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0060.COMP	10	1:42	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0061.BDp284211	100	1:43	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	

UT Date 2005-11-23 Observers P BerlindColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0062.BDp284211	100	1:45	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0063.BDp284211	100	1:47	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0064.COMP	10	1:49	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0065.2M20022901+0743036	480	1:52	20:02:29.0	+07:43:03	300	90	3.0	#141 Mapping t	4	
0066.COMP	5	2:00	20:02:29.0	+07:43:03	300	90	3.0	#141 Mapping t	4	
0067.2M20060244+0613051	900	2:02	20:06:02.4	+06:13:05	300	90	3.0	#141 Mapping t	4	
0068.COMP	5	2:18	20:06:02.4	+06:13:05	300	90	3.0	#141 Mapping t	4	
0069.2M21144022+2836374	900	2:20	21:14:40.2	+28:36:37	300	90	3.0	#141 Mapping t	4	
0070.COMP	5	2:35	21:14:40.2	+28:36:37	300	90	3.0	#141 Mapping t	4	
0071.2M21144327+2448244	900	2:36	21:14:43.2	+24:48:24	300	90	3.0	#141 Mapping t	4	
0072.COMP	5	2:51	21:14:43.2	+24:48:24	300	90	3.0	#141 Mapping t	4	
0073.2M21160119+3557203	1200	2:53	21:16:01.1	+35:57:20	300	90	3.0	#141 Mapping t	2	ok
0074.COMP	10	3:14	21:16:01.1	+35:57:20	300	90	3.0	#141 Mapping t	2	
0075.2M21171417+1823557	1200	3:15	21:17:14.1	+18:23:55	300	90	3.0	#141 Mapping t	2	
0076.COMP	10	3:35	21:17:14.1	+18:23:55	300	90	3.0	#141 Mapping t	2	
0077.2M21540226+1503557	1200	3:37	21:54:02.2	+15:03:55	300	90	3.0	#141 Mapping t	2	
0078.COMP	10	3:57	21:54:02.2	+15:03:55	300	90	3.0	#141 Mapping t	2	
0079.2M21542247+3619009	1200	3:59	21:54:22.4	+36:19:00	300	90	3.0	#141 Mapping t	2	
0080.COMP	10	4:19	21:54:22.4	+36:19:00	300	90	3.0	#141 Mapping t	2	
0081.2M02152608+3153046	900	5:32	02:15:26.1	+31:53:4	300	80	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0082.COMP	10	5:47	02:15:26.1	+31:53:4	300	80	3.0	#141 Mapping t	2	
0083.2M02285976+4211529	900	5:48	02:29:0.0	+42:11:53	300	80	3.0	#141 Mapping t	2	
0084.COMP	10	6:04	02:29:0.0	+42:11:53	300	80	3.0	#141 Mapping t	2	
0085.2M02291421+2514077	900	6:05	02:29:14.2	+25:14:7	300	80	3.0	#141 Mapping t	2	
0086.COMP	10	6:20	02:29:14.2	+25:14:7	300	80	3.0	#141 Mapping t	2	
0087.2M02341170+3258380	1200	6:21	02:34:11.7	+32:58:38	300	80	3.0	#141 Mapping t	2	
0088.COMP	10	6:42	02:34:11.7	+32:58:38	300	80	3.0	#141 Mapping t	2	
0089.2M02355619+4621527	1200	6:43	02:35:56.1	+46:21:52	300	90	3.0	#141 Mapping t	2	stopped by clouds
0090.COMP	10	7:04	02:35:56.1	+46:21:52	300	90	3.0	#141 Mapping t	2	
0091.DARK	900	9:42	06:42:49.5	+31:30:09	300	90	3.0	#141 Mapping t	4	
0092.DARK	900	9:57	06:58:04.6	+31:30:17	300	90	3.0	#141 Mapping t	4	
0093.DARK	900	10:12	07:13:16.3	+31:30:25	300	90	3.0	#141 Mapping t	4	
0094.DARK	900	10:27	07:28:28.0	+31:30:33	300	90	3.0	#141 Mapping t	4	
0095.DARK	900	10:43	07:43:43.2	+31:30:41	300	90	3.0	#141 Mapping t	4	
0096.DARK	900	10:58	07:58:59.6	+31:30:48	300	90	3.0	#141 Mapping t	2	
0097.DARK	900	11:13	08:14:19.5	+31:30:56	300	90	3.0	#141 Mapping t	2	
0098.DARK	900	11:28	08:29:36.0	+31:31:03	300	90	3.0	#141 Mapping t	2	
0099.DARK	900	11:44	08:44:55.5	+31:31:09	300	90	3.0	#141 Mapping t	2	
0100.DARK	900	11:59	09:00:11.9	+31:31:16	300	90	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	2:31	23:19:46.3	+31:27:46	300	90	3.0	#141 Mapping t	4	
0011-0014.FLAT	8	2:32	23:21:08.7	+31:27:46	300	90	3.0	#141 Mapping t	4	
0015-0020.FLAT	8	2:34	23:23:09.9	+31:27:45	300	90	3.0	#141 Mapping t	4	
0021-0030.BIAS	0	2:37	23:25:24.1	+31:27:45	300	90	3.0	#141 Mapping t	2	
0031-0042.FLAT	16	2:43	23:31:33.3	+31:27:45	300	90	3.0	#141 Mapping t	2	
0043-0051.FLAT	16	2:47	23:36:06.3	+31:27:44	300	90	3.0	#141 Mapping t	2	
0052-0053.DARK	900	3:09	00:13:07.9	+31:27:43	300	90	3.0	#141 Mapping t	4	
0054.DARK	900	3:24	00:28:22.6	+31:27:44	300	90	3.0	#141 Mapping t	4	
0055.DARK	900	3:40	00:43:34.0	+31:27:45	300	90	3.0	#141 Mapping t	4	
0056.DARK	900	3:55	00:58:45.0	+31:27:46	300	90	3.0	#141 Mapping t	4	
0057.DARK	900	4:10	01:14:04.4	+31:27:48	300	90	3.0	#141 Mapping t	2	thick clouds
0058.DARK	900	4:25	01:29:20.3	+31:27:51	300	90	3.0	#141 Mapping t	2	
0059.DARK	900	4:41	01:44:39.5	+31:27:54	300	90	3.0	#141 Mapping t	2	
0060.DARK	900	4:56	01:59:55.1	+31:27:58	300	90	3.0	#141 Mapping t	2	
0061.DARK	900	5:11	02:15:14.4	+31:28:02	300	90	3.0	#141 Mapping t	2	
0062.cvso-262701	420	8:01	05:57:38.9	-04:14:18	300	90	3.0	#112 Orion PMS	4	sucker hole
0063.COMP	5	8:08	05:57:38.9	-04:14:18	300	90	3.0	#112 Orion PMS	4	
0064.cvso-285390	480	8:09	05:58:10.7	-02:55:18	300	90	3.0	#112 Orion PMS	4	
0065.COMP	5	8:17	05:58:10.7	-02:55:18	300	90	3.0	#112 Orion PMS	4	
0066.cvso-263420	240	8:18	05:58:15.3	-03:51:08	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
0067.COMP	5	8:22	05:58:15.3	-03:51:08	300	90	3.0	#112 Orion PMS	4	
0068.cvso-263965	420	8:23	05:58:42.1	-04:14:03	300	90	3.0	#112 Orion PMS	4	
0069.COMP	5	8:30	05:58:42.1	-04:14:03	300	90	3.0	#112 Orion PMS	4	
0070.cvso-285968	420	8:31	05:58:43.1	-02:59:06	300	90	3.0	#112 Orion PMS	4	
0071.COMP	5	8:39	05:58:43.1	-02:59:06	300	90	3.0	#112 Orion PMS	4	
0072.cvso-285995	420	8:39	05:58:45.2	-02:47:53	300	90	3.0	#112 Orion PMS	4	
0073.COMP	5	8:46	05:58:45.2	-02:47:53	300	90	3.0	#112 Orion PMS	4	
0074.cvso-290687	420	8:47	05:59:28.2	-03:10:19	300	90	3.0	#112 Orion PMS	4	
0075.COMP	5	8:55	05:59:28.2	-03:10:19	300	90	3.0	#112 Orion PMS	4	
0076.cvso-266333	480	8:55	05:59:44.3	-02:22:14	300	90	3.0	#112 Orion PMS	4	
0077.COMP	5	9:03	05:59:44.3	-02:22:14	300	90	3.0	#112 Orion PMS	4	
0078.cvso-287116	420	9:04	05:59:51.0	-02:31:57	300	90	3.0	#112 Orion PMS	4	
0079.COMP	5	9:11	05:59:51.0	-02:31:57	300	90	3.0	#112 Orion PMS	4	
0080.cvso-280274	600	9:12	05:53:20.4	-02:38:57	300	80	3.0	#112 Orion PMS	4	
0081.COMP	5	9:23	05:53:20.4	-02:38:57	300	80	3.0	#112 Orion PMS	4	
0082.NGC1700	180	9:24	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0083.COMP	5	9:27	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0084.2M04173505+0132269	600	9:29	04:17:35.0	+01:32:27	300	80	3.0	#141 Mapping t	4	
0085.COMP	5	9:39	04:17:35.0	+01:32:27	300	80	3.0	#141 Mapping t	4	
0086.2M04175134-0044592	480	9:40	04:17:51.3	-00:44:59	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
0087.COMP	5	9:48	04:17:51.3	-00:44:59	300	90	3.0	#141 Mapping t	4	
0088.2M04175910-0030301	420	9:50	04:17:59.1	-00:30:30	300	0	3.0	#141 Mapping t	4	
0089.COMP	5	9:57	04:17:59.1	-00:30:30	300	0	3.0	#141 Mapping t	4	
0090.Hiltner600	90	9:58	06:45:13.4	02:08:14	300	0	3.0	#56 Spectropho	2	clouds
0091.COMP	10	10:01	06:45:13.4	02:08:14	300	0	3.0	#56 Spectropho	2	
0092.Hiltner600	90	10:26	06:45:13.4	02:08:14	300	15	3.0	#56 Spectropho	2	
0093.Hiltner600	90	10:28	06:45:13.4	02:08:14	300	15	3.0	#56 Spectropho	2	
0094.COMP	10	10:30	06:45:13.4	02:08:14	300	15	3.0	#56 Spectropho	2	
0095.sn2005kf	1200	10:33	07:47:26.5	+26:55:32	300	-10	3.0	#2 SN Observat	2	
0096.COMP	10	10:53	07:47:26.5	+26:55:32	300	-10	3.0	#2 SN Observat	2	
0097.2M05030126+0821184	360	10:56	05:03:1.2	+08:21:18	300	99	3.0	#141 Mapping t	4	
0098.COMP	5	11:02	05:03:1.2	+08:21:18	300	99	3.0	#141 Mapping t	4	
0099.2M05042219+0620066	360	11:03	05:04:22.1	+06:20:6	300	99	3.0	#141 Mapping t	4	
0100.COMP	5	11:09	05:04:22.1	+06:20:6	300	99	3.0	#141 Mapping t	4	
0101.2M05045618+1133178	300	11:10	05:04:56.1	+11:33:18	300	99	3.0	#141 Mapping t	4	
0102.COMP	5	11:15	05:04:56.1	+11:33:18	300	99	3.0	#141 Mapping t	4	
0103.2M05152742+1048147	480	11:16	05:15:27.4	+10:48:14	300	99	3.0	#141 Mapping t	4	gal ok
0104.COMP	5	11:25	05:15:27.4	+10:48:14	300	99	3.0	#141 Mapping t	4	
0105.2M05181554+1451366	900	11:26	05:18:15.5	+14:51:36	300	99	3.0	#141 Mapping t	4	
0106.COMP	5	11:41	05:18:15.5	+14:51:36	300	99	3.0	#141 Mapping t	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>
0107.2M06012699+4356333	900	11:43	06:01:26.9	+43:56:33	300	90	3.0	#141 Mapping t	4	
0108.COMP	5	11:58	06:01:26.9	+43:56:33	300	90	3.0	#141 Mapping t	4	
0109.2M06022988+4948472	360	12:00	06:02:29.9	+49:48:47	300	90	3.0	#141 Mapping t	4	more clouds moving through
0110.COMP	5	12:06	06:02:29.9	+49:48:47	300	90	3.0	#141 Mapping t	4	
0111-0120.BIAS	0	12:19	06:02:29.9	+49:48:47	300	90	3.0	#141 Mapping t	4	
0121-0130.FLAT	8	12:22	06:02:29.9	+49:48:47	300	90	3.0	#141 Mapping t	4	
0131-0140.BIAS	0	12:24	06:02:29.9	+49:48:47	300	90	3.0	#141 Mapping t	2	
0141-0150.FLAT	16	12:29	06:02:29.9	+49:48:47	300	90	3.0	#141 Mapping t	2	

UT Date 2005-11-25 Observers M CalkinsColl. Focus 980 Grating/Grism 300

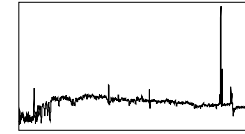
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	22:54	20:01:31.7	+31:28:49	300	90	3.0	#141 Mapping t	4	
0002.DARK	900	23:09	20:16:38.9	+31:28:42	300	90	3.0	#141 Mapping t	4	
0003.DARK	900	23:25	20:31:49.8	+31:28:35	300	90	3.0	#141 Mapping t	4	
0004.DARK	900	23:40	20:46:57.0	+31:28:28	300	90	3.0	#141 Mapping t	4	
0005.DARK	900	23:55	21:02:07.7	+31:28:22	300	90	3.0	#141 Mapping t	4	
0006.DARK	900	0:10	21:17:15.0	+31:28:16	300	90	3.0	#141 Mapping t	4	
0007.DARK	900	0:25	21:32:26.1	+31:28:11	300	90	3.0	#141 Mapping t	4	
0008-0017.BIAS	0	0:42	21:34:41.1	+31:28:10	300	90	3.0	#141 Mapping t	4	
0018-0021.FLAT	6	0:44	21:36:11.9	+31:28:10	300	90	3.0	#141 Mapping t	4	
0022-0027.FLAT	6	0:45	21:37:26.0	+31:28:09	300	90	3.0	#141 Mapping t	4	
0028-0030.BIAS	0	0:47	21:39:05.1	+31:28:09	300	90	3.0	#141 Mapping t	2	
0031-0033.BIAS	0	0:47	21:39:44.2	+31:28:08	300	90	3.0	#141 Mapping t	2	
0034-0036.BIAS	0	0:48	21:40:19.5	+31:28:09	300	90	3.0	#141 Mapping t	2	
0037.BIAS	0	0:48	21:40:32.4	+31:28:08	300	90	3.0	#141 Mapping t	2	
0038-0040.FLAT	16	0:49	21:42:03.0	+31:28:08	300	90	3.0	#141 Mapping t	2	
0041-0047.FLAT	16	0:53	21:45:18.9	+31:28:07	300	90	3.0	#141 Mapping t	2	
0048-0053.FLAT	16	0:55	21:48:11.8	+31:28:06	300	90	3.0	#141 Mapping t	2	
0054-0057.FLAT	16	0:57	21:50:04.7	+31:28:05	300	90	3.0	#141 Mapping t	2	
0058.BDp284211	60	2:13	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	2	
0059.BDp284211	60	2:14	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0060.COMP	12	2:16	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	2	
0061.BDp284211	60	2:17	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	4	
0062.BDp284211	60	2:18	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	4	
0063.COMP	5	2:19	21:51:11.1	28:51:53	300	75	3.0	#56 Spectropho	4	
0064.BDp174708	30	2:21	22:11:31.4	18:05:33	300	43	3.0	#56 Spectropho	4	
0065.BDp174708	30	2:22	22:11:31.4	18:05:33	300	43	3.0	#56 Spectropho	4	
0066.COMP	5	2:23	22:11:31.4	18:05:33	300	43	3.0	#56 Spectropho	4	
0067.BDp174708	27	2:24	22:11:31.4	18:05:33	300	43	3.0	#56 Spectropho	2	
0068.BDp174708	27	2:25	22:11:31.4	18:05:33	300	43	3.0	#56 Spectropho	2	
0069.COMP	12	2:30	22:11:31.4	18:05:33	300	43	3.0	#56 Spectropho	2	
0070.M31	60	2:33	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0071.COMP	12	2:34	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0072.2M20511259+5726315	1500	2:39	20:51:12.5	+57:26:31	300	90	3.0	#141 Mapping t	2	row=72
0073.COMP	5	3:05	20:51:12.5	+57:26:31	300	90	3.0	#141 Mapping t	2	
0074.2M20511289+0421556	720	3:13	20:51:12.8	+04:21:55	300	90	3.0	#141 Mapping t	2	
0075.COMP	12	3:26	20:51:12.8	+04:21:55	300	90	3.0	#141 Mapping t	2	
0076.2M20514838+7356362	1800	3:29	20:51:48.3	+73:56:36	300	70	3.0	#141 Mapping t	2	
0077.COMP	12	3:59	20:51:48.3	+73:56:36	300	70	3.0	#141 Mapping t	2	
0078.2M21160659+6721443	1200	4:01	21:16:06.5	+67:21:44	300	90	3.0	#141 Mapping t	2	
0079.COMP	12	4:22	21:16:06.5	+67:21:44	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
0080.2M21161070+6731133	1800	4:23	21:16:10.7	+67:31:13	300	90	3.0	#141 Mapping t	2	blah...too faint for a redo
0081.COMP	12	4:54	21:16:10.7	+67:31:13	300	90	3.0	#141 Mapping t	2	
0082.sn2005hk	1080	4:57	00:27:50.8	-01:11:52	300	29	3.0	#2 SN Observat	2	
0083.COMP	12	5:15	00:27:50.8	-01:11:52	300	29	3.0	#2 SN Observat	2	
0084.sn2005eu	1200	5:20	02:27:43.2	+28:10:36	300	-30	3.0	#2 SN Observat	2	
0085.COMP	12	5:40	02:27:43.2	+28:10:36	300	-30	3.0	#2 SN Observat	2	
0086.COMP	60	5:52	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	1200 line, 1.5 arcsec, tilt=224
0087.ROTSE0222p4122	600	5:54	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	fainter than 15 mag
0088.ROTSE0222p4122	1800	6:04	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0089.COMP	60	6:34	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0090-0094.FLAT	60	6:41	2:22:16.4	41:22:59	1200	90	1.5	#148 Accretion	2	
0095.sn2005ke	900	6:52	03:35:04.3	-24:56:38	300	20	3.0	#2 SN Observat	2	combo setup
0096.COMP	12	7:07	03:35:04.3	-24:56:38	300	20	3.0	#2 SN Observat	2	
0097-0101.FLAT	16	7:12	03:35:04.3	-24:56:38	300	90	3.0	#2 SN Observat	2	
0102.Hiltner600	70	7:20	06:45:13.4	02:08:14	600	90	2.0	#56 Spectropho	4	600L, 2arcsec, tilt=440
0103.Hiltner600	70	7:21	06:45:13.4	02:08:14	600	90	2.0	#56 Spectropho	4	
0104.COMP	10	7:22	06:45:13.4	02:08:14	600	90	2.0	#56 Spectropho	4	
0105.hs3897	252	7:26	2:19:09.3	-7:45:48	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	7:30	2:19:09.3	-7:45:48	600	90	2.0	#122 Halo Star	4	
0107.hs3898	222	7:32	2:22:33.7	-6:07:00	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
0108.COMP	10	7:36	2:22:33.7	-6:07:00	600	90	2.0	#122 Halo Star	4	
0109.hs3899	222	7:37	2:22:40.8	-4:11:30	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	7:41	2:22:40.8	-4:11:30	600	90	2.0	#122 Halo Star	4	
0111.hs3900	546	7:42	2:25:23.1	-5:06:34	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	7:52	2:25:23.1	-5:06:34	600	90	2.0	#122 Halo Star	4	
0113.hs3901	666	7:53	2:27:08.9	-3:24:21	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	8:04	2:27:08.9	-3:24:21	600	90	2.0	#122 Halo Star	4	
0115.hs3902	126	8:05	2:27:16.9	-6:32:37	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	8:08	2:27:16.9	-6:32:37	600	90	2.0	#122 Halo Star	4	
0117.hs3903	372	8:09	2:30:23.8	-6:12:35	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	8:15	2:30:23.8	-6:12:35	600	90	2.0	#122 Halo Star	4	
0119.hs3904	96	8:16	2:30:49.6	-3:41:57	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	8:18	2:30:49.6	-3:41:57	600	90	2.0	#122 Halo Star	4	
0121.hs3905	114	8:19	2:31:56.5	-6:35:11	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	8:21	2:31:56.5	-6:35:11	600	90	2.0	#122 Halo Star	4	
0123.hs3906	294	8:22	2:34:10.9	-2:05:43	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	8:28	2:34:10.9	-2:05:43	600	90	2.0	#122 Halo Star	4	
0125.hs3907	522	8:29	2:35:48.3	-8:37:45	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	8:38	2:35:48.3	-8:37:45	600	90	2.0	#122 Halo Star	4	
0127.hs3908	516	8:39	2:36:16.4	-6:35:31	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
0128.COMP	10	8:48	2:36:16.4	-6:35:31	600	90	2.0	#122 Halo Star	4	
0129.hs3941	600	8:49	3:17:22.9	-6:23:06	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	9:00	3:17:22.9	-6:23:06	600	90	2.0	#122 Halo Star	4	
0131.hs3942	204	9:01	3:18:45.8	-3:38:52	600	100	2.0	#122 Halo Star	4	
0132.COMP	10	9:05	3:18:45.8	-3:38:52	600	100	2.0	#122 Halo Star	4	
0133.hs3943	318	9:07	3:19:43.2	-9:11:42	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	9:12	3:19:43.2	-9:11:42	600	90	2.0	#122 Halo Star	4	
0135.hs3944	588	9:15	3:24:28.8	-3:27:02	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	9:25	3:24:28.8	-3:27:02	600	90	2.0	#122 Halo Star	4	
0137.hs3945	678	9:26	3:24:40.2	-8:57:55	600	80	2.0	#122 Halo Star	4	
0138.COMP	10	9:38	3:24:40.2	-8:57:55	600	80	2.0	#122 Halo Star	4	
0139.hs3946	840	9:39	3:25:47.2	-5:37:57	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	9:54	3:25:47.2	-5:37:57	600	90	2.0	#122 Halo Star	4	
0141-0150.FLAT	24	10:00	3:25:47.2	-5:37:57	600	90	2.0	#56 Spectropho	4	
0151.Akn120	300	10:13	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	combo setup
0152.COMP	12	10:19	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0153.BGGem	300	10:22	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0154.COMP	12	10:28	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0155.BGGem	1200	10:28	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0156.COMP	12	10:49	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0157.0592_25	660	10:52	07:44:17.8	09:31:33	300	90	3.0	#160 2MACS	2	
0158.COMP	12	11:04	07:44:17.8	09:31:33	300	90	3.0	#160 2MACS	2	
0159.0592_26	540	11:06	07:43:14.9	09:32:05	300	70	3.0	#160 2MACS	2	
0160.COMP	12	11:16	07:43:14.9	09:32:05	300	70	3.0	#160 2MACS	2	
0161.0592_27	1200	11:18	07:41:45.7	09:32:29	300	70	3.0	#160 2MACS	2	
0162.COMP	12	11:39	07:41:45.7	09:32:29	300	70	3.0	#160 2MACS	2	
0163.0592_28	660	11:41	07:43:15.4	09:32:44	300	90	3.0	#160 2MACS	2	
0164.COMP	12	11:52	07:43:15.4	09:32:44	300	90	3.0	#160 2MACS	2	
0165.0592_29	600	11:53	07:42:29.3	09:38:50	300	90	3.0	#160 2MACS	2	
0166.COMP	12	12:04	07:42:29.3	09:38:50	300	90	3.0	#160 2MACS	2	
0167.1100_01	1020	12:06	10:47:44.1	22:28:04	300	90	3.0	#160 2MACS	2	
0168.COMP	12	12:24	10:47:44.1	22:28:04	300	90	3.0	#160 2MACS	2	
0169.1100_02	1020	12:26	10:48:32.4	22:25:55	300	90	3.0	#160 2MACS	2	
0170.COMP	12	12:43	10:48:32.4	22:25:55	300	90	3.0	#160 2MACS	2	
0171.sn2005k1	900	12:46	12:24:35.6	+39:23:03	300	80	3.0	#2 SN Observat	2	row=67
0172.COMP	12	13:02	12:24:35.6	+39:23:03	300	80	3.0	#2 SN Observat	2	
0173.Feige34	60	13:05	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0174.Feige34	60	13:06	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0175.COMP	12	13:07	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0176-0180.sky	2	13:44	10:39:36.8	43:06:10	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>Bin</i>	<i>Comments</i>
0181.COMP	5	13:44	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0182-0191.BIAS	0	13:46	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0192-0201.FLAT	8	13:49	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0202-0211.BIAS	0	13:53	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	2	
0212-0231.FLAT	16	14:03	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	2	
0232-0241.DARK	900	16:21	10:39:36.8	43:06:10	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
0001-0006.DARK	900	0:43	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0007-0016.BIAS	0	1:04	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0017-0026.FLAT	8	1:07	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0027-0036.BIAS	0	1:11	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	2	
0037-0056.FLAT	16	1:21	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	2	
0057.BDp284211	70	1:37	21:51:11.1	28:51:53	300	70	3.0	#56 Spectropho	2	
0058.BDp284211	70	1:38	21:51:11.1	28:51:53	300	70	3.0	#56 Spectropho	2	
0059.COMP	12	1:40	21:51:11.1	28:51:53	300	70	3.0	#56 Spectropho	2	
0060.BDp174708	25	1:42	22:11:31.4	18:05:33	300	22	3.0	#56 Spectropho	2	
0061.BDp174708	25	1:42	22:11:31.4	18:05:33	300	22	3.0	#56 Spectropho	2	
0062.COMP	12	1:43	22:11:31.4	18:05:33	300	22	3.0	#56 Spectropho	2	
0063.3C390.3	360	1:49	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	clouds moving in
0064.COMP	12	1:58	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0065.3C390.3	420	1:59	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0066.3C390.3	420	2:06	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0067.COMP	12	2:14	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	wait out clouds
0068.Akn564	180	3:57	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0069.Akn564	180	4:00	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0070.COMP	12	4:03	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0071.N7469	120	4:05	23:03:15.7	+08:52:27	300	70	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0072.N7469	120	4:07	23:03:15.7	+08:52:27	300	70	3.0	#6 AGN Monitor	2	
0073.COMP	12	4:09	23:03:15.7	+08:52:27	300	70	3.0	#6 AGN Monitor	2	
0074.MRK335	150	4:11	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	clear skies
0075.MRK335	150	4:14	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	good seeing
0076.COMP	12	4:17	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0077.f1_39	1800	4:18	0:50:42.3	+12:05:46	300	70	3.0	#163 Mapping M	2	
0078.f1_39	1800	4:50	0:50:42.3	+12:05:46	300	70	3.0	#163 Mapping M	2	please stack with file 77
0079.COMP	12	5:21	0:50:42.3	+12:05:46	300	70	3.0	#163 Mapping M	2	
0080.f1_40	1800	5:23	0:50:35.4	+11:34:05	300	90	3.0	#163 Mapping M	2	
0081.f1_40	1800	5:53	0:50:35.4	+11:34:05	300	90	3.0	#163 Mapping M	2	please stack with file 80
0082.COMP	12	6:24	0:50:35.4	+11:34:05	300	90	3.0	#163 Mapping M	2	
0083.sn2005hg	1200	6:28	01:55:41.8	+46:47:47	300	110	3.0	#2 SN Observat	2	row=66
0084.COMP	12	6:48	01:55:41.8	+46:47:47	300	110	3.0	#2 SN Observat	2	
0085.0376_01	1080	7:01	02:43:49.4	36:46:22	300	90	3.0	#160 2MACS	2	
0086.COMP	12	7:19	02:43:49.4	36:46:22	300	90	3.0	#160 2MACS	2	
0087.0376_02	1200	7:37	02:45:9.6	37:05:43	300	80	3.0	#160 2MACS	2	
0088.COMP	12	7:57	02:45:9.6	37:05:43	300	80	3.0	#160 2MACS	2	
0089.0376_04	780	8:00	02:46:20.7	36:55:16	300	90	3.0	#160 2MACS	2	
0090.COMP	12	8:14	02:46:20.7	36:55:16	300	90	3.0	#160 2MACS	2	
0091.0376_05	600	8:15	02:46:20.8	36:54:47	300	90	3.0	#160 2MACS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0092.COMP	12	8:27	02:46:20.8	36:54:47	300	90	3.0	#160 2MACS	2	
0093.0376_06	780	8:44	02:46:20.8	36:24:00	300	90	3.0	#160 2MACS	2	
0094.COMP	12	8:57	02:46:20.8	36:24:00	300	90	3.0	#160 2MACS	2	
0095.0376_07	780	8:59	02:47:0.6	36:45:31	300	70	3.0	#160 2MACS	2	
0096.COMP	12	9:12	02:47:0.6	36:45:31	300	70	3.0	#160 2MACS	2	
0097.2M04185486+1746345	720	9:16	04:18:54.8	+17:46:34	300	90	3.0	#141 Mapping t	2	
0098.COMP	12	9:29	04:18:54.8	+17:46:34	300	90	3.0	#141 Mapping t	2	
0099.2M04185621+7535222	360	9:33	04:18:56.2	+75:35:22	300	90	3.0	#141 Mapping t	2	
0100.COMP	12	9:40	04:18:56.2	+75:35:22	300	90	3.0	#141 Mapping t	2	
0101.2M04185759-0141310	300	9:42	04:18:57.5	-01:41:31	300	90	3.0	#141 Mapping t	2	
0102.COMP	12	9:47	04:18:57.5	-01:41:31	300	90	3.0	#141 Mapping t	2	
0103.2M04194764-0054501	300	9:48	04:19:47.6	-00:54:50	300	90	3.0	#141 Mapping t	2	
0104.COMP	12	9:54	04:19:47.6	-00:54:50	300	90	3.0	#141 Mapping t	2	
0105.2M04205583-0942028	300	9:55	04:20:55.8	-09:42:2	300	90	3.0	#141 Mapping t	2	
0106.COMP	12	10:01	04:20:55.8	-09:42:2	300	90	3.0	#141 Mapping t	2	
0107.2M04212265+2722090	1200	10:02	04:21:22.6	+27:22:8	300	90	3.0	#141 Mapping t	2	
0108.COMP	12	10:23	04:21:22.6	+27:22:8	300	90	3.0	#141 Mapping t	2	
0109.2M04214801-0210579	360	10:24	04:21:48.0	-02:10:57	300	90	3.0	#141 Mapping t	2	
0110.COMP	12	10:31	04:21:48.0	-02:10:57	300	90	3.0	#141 Mapping t	2	
0111.2M04222398+1411401	1500	10:32	04:22:23.9	+14:11:40	300	90	3.0	#141 Mapping t	2	clouds coming in

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0112.COMP	12	10:57	04:22:23.9	+14:11:40	300	90	3.0	#141 Mapping t	2	
0113.2M05432874+5131311	420	11:00	05:43:28.7	+51:31:31	300	90	3.0	#141 Mapping t	2	clouds, try again
0114.COMP	12	11:08	05:43:28.7	+51:31:31	300	90	3.0	#141 Mapping t	2	
0115.2M05432874+5131311	600	11:08	05:43:28.7	+51:31:31	300	90	3.0	#141 Mapping t	2	
0116.COMP	12	11:19	05:43:28.7	+51:31:31	300	90	3.0	#141 Mapping t	2	
0117.2M05450678+6248280	900	11:20	05:45:6.7	+62:48:28	300	90	3.0	#141 Mapping t	2	
0118.COMP	12	11:36	05:45:6.7	+62:48:28	300	90	3.0	#141 Mapping t	2	clouds coming in...
0119.sn2005kl	1200	12:26	12:24:35.6	+39:23:03	300	85	3.0	#2 SN Observat	2	row=71
0120.COMP	12	12:46	12:24:35.6	+39:23:03	300	85	3.0	#2 SN Observat	2	
0121.2M06132998+4747096	600	12:49	06:13:29.9	+47:47:9	300	90	3.0	#141 Mapping t	2	more clouds
0122.COMP	12	13:00	06:13:29.9	+47:47:9	300	90	3.0	#141 Mapping t	2	
0123.Feige34	60	13:05	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0124.COMP	12	13:07	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0125-0134.BIAS	0	13:17	10:39:36.8	43:06:10	300	90	3.0	#163 Mapping M	2	
0135-0154.FLAT	16	13:28	10:39:36.8	43:06:10	300	90	3.0	#163 Mapping M	2	
0155-0164.DARK	900	15:47	10:39:36.8	43:06:10	300	90	3.0	#163 Mapping M	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0007.DARK	900	0:51	10:39:36.8	43:06:10	300	90	3.0	#163 Mapping M	4	
0008-0017.BIAS	0	1:12	10:39:36.8	43:06:10	300	90	3.0	#163 Mapping M	4	
0018-0027.FLAT	8	1:15	10:39:36.8	43:06:10	300	90	3.0	#163 Mapping M	4	
0028-0037.BIAS	0	1:19	10:39:36.8	43:06:10	300	90	3.0	#163 Mapping M	2	
0038-0057.FLAT	16	1:29	10:39:36.8	43:06:10	300	90	3.0	#163 Mapping M	2	
0058.BDp284211	90	1:35	21:51:11.1	28:51:53	300	71	3.0	#56 Spectropho	2	terrible seeing
0059.BDp284211	90	1:37	21:51:11.1	28:51:53	300	71	3.0	#56 Spectropho	2	
0060.COMP	12	1:39	21:51:11.1	28:51:53	300	71	3.0	#56 Spectropho	2	
0061.BDp174708	35	1:43	22:11:31.4	18:05:33	300	26	3.0	#56 Spectropho	2	
0062.BDp174708	35	1:44	22:11:31.4	18:05:33	300	26	3.0	#56 Spectropho	2	
0063.BDp174708	35	1:45	22:11:31.4	18:05:33	300	26	3.0	#56 Spectropho	2	
0064.COMP	12	1:46	22:11:31.4	18:05:33	300	26	3.0	#56 Spectropho	2	
0065.2M21301010+3843103	600	1:56	21:30:10.1	+38:43:10	300	90	3.0	#141 Mapping t	2	high wind
0066.COMP	12	2:07	21:30:10.1	+38:43:10	300	90	3.0	#141 Mapping t	2	
0067.2M21301193+4200285	1200	2:08	21:30:11.9	+42:00:28	300	90	3.0	#141 Mapping t	2	row=72
0068.COMP	12	2:29	21:30:11.9	+42:00:28	300	90	3.0	#141 Mapping t	2	
0069.2M21302362+6459070	1800	2:32	21:30:23.6	+64:59:07	300	100	3.0	#141 Mapping t	2	
0070.COMP	12	3:02	21:30:23.6	+64:59:07	300	100	3.0	#141 Mapping t	2	
0071.2M21305985+4130401	1500	3:05	21:30:59.8	+41:30:40	300	0	3.0	#141 Mapping t	2	row=71
0072.COMP	12	3:31	21:30:59.8	+41:30:40	300	0	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0073.2M21312956+6428108	1500	3:35	21:31:29.5	+64:28:10	300	70	3.0	#141 Mapping t	2	
0074.COMP	12	4:00	21:31:29.5	+64:28:10	300	70	3.0	#141 Mapping t	2	
0075.2M22084238+4151297	720	4:02	22:08:42.3	+41:51:29	300	95	3.0	#141 Mapping t	2	
0076.COMP	12	4:14	22:08:42.3	+41:51:29	300	95	3.0	#141 Mapping t	2	
0077.2M22090290+3048118	600	4:16	22:09:02.9	+30:48:11	300	90	3.0	#141 Mapping t	2	
0078.COMP	12	4:27	22:09:02.9	+30:48:11	300	90	3.0	#141 Mapping t	2	
0079.2M22094240+1842180	1080	4:28	22:09:42.4	+18:42:18	300	90	3.0	#141 Mapping t	2	
0080.COMP	12	4:47	22:09:42.4	+18:42:18	300	90	3.0	#141 Mapping t	2	
0081.2M22094940+1705215	480	4:49	22:09:49.4	+17:05:21	300	90	3.0	#141 Mapping t	2	
0082.COMP	12	4:57	22:09:49.4	+17:05:21	300	90	3.0	#141 Mapping t	2	
0083.2M23005401+0706110	900	5:01	23:00:54.0	+07:06:11	300	90	3.0	#141 Mapping t	2	
0084.COMP	12	5:16	23:00:54.0	+07:06:11	300	90	3.0	#141 Mapping t	2	
0085.2M23010958+2329035	660	5:18	23:01:09.5	+23:29:03	300	90	3.0	#141 Mapping t	2	
0086.COMP	12	5:29	23:01:09.5	+23:29:03	300	90	3.0	#141 Mapping t	2	
0087.ROTSE0222p4122	1800	5:31	2:22:16.4	41:22:59	300	90	3.0	#148 Accretion	2	
0088.COMP	12	6:03	2:22:16.4	41:22:59	300	90	3.0	#148 Accretion	2	
0089.2M03135763+4115241	600	6:05	03:13:57.6	+41:15:24	300	110	3.0	#141 Mapping t	2	
0090.COMP	12	6:15	03:13:57.6	+41:15:24	300	110	3.0	#141 Mapping t	2	
0091.sn2005ke	1200	6:20	03:35:04.3	-24:56:38	300	-4	3.0	#2 SN Observat	2	
0092.COMP	12	6:40	03:35:04.3	-24:56:38	300	-4	3.0	#2 SN Observat	2	close for wind, clouds, humidity

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0093.sn2005kf	1800	10:54	07:47:26.5	+26:55:32	300	0	3.0	#2 SN Observat	2	row=71
0094.COMP	12	11:24	07:47:26.5	+26:55:32	300	0	3.0	#2 SN Observat	2	
0095.1100_03	1200	11:30	10:48:42.5	22:12:38	300	105	3.0	#160 2MACS	2	
0096.COMP	12	11:50	10:48:42.5	22:12:38	300	105	3.0	#160 2MACS	2	
0097.1100_04	390	11:51	10:48:43.3	22:13:40	300	90	3.0	#160 2MACS	2	
0098.COMP	12	11:58	10:48:43.3	22:13:40	300	90	3.0	#160 2MACS	2	
0099.1100_05	900	12:00	10:48:51.0	22:10:07	300	90	3.0	#160 2MACS	2	
0100.COMP	12	12:15	10:48:51.0	22:10:07	300	90	3.0	#160 2MACS	2	
0101.sn2005km	1800	12:20	11:20:48.7	32:17:25	300	110	3.0	#2 SN Observat	2	
0102.COMP	12	12:51	11:20:48.7	32:17:25	300	110	3.0	#2 SN Observat	2	
0103.sn2005kl	900	12:55	12:24:35.6	+39:23:03	300	77	3.0	#2 SN Observat	2	
0104.COMP	12	13:10	12:24:35.6	+39:23:03	300	77	3.0	#2 SN Observat	2	
0105.Feige34	60	13:12	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0106.COMP	12	13:13	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0107-0116.BIAS	0	13:24	10:39:36.8	43:06:10	300	90	3.0	#160 2MACS	2	
0117-0136.FLAT	16	13:34	10:39:36.8	43:06:10	300	90	3.0	#160 2MACS	2	
0137-0146.DARK	900	15:53	10:39:36.8	43:06:10	300	90	3.0	#160 2MACS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	0:38	21:42:30.2	+31:28:08	300	90	3.0	#160 2MACS	4	
0011.FLAT	8	0:38	21:42:51.9	+31:28:08	300	90	3.0	#160 2MACS	4	
0012-0020.FLAT	8	0:42	21:45:54.3	+31:28:07	300	90	3.0	#160 2MACS	4	
0021-0030.BIAS	0	0:44	21:48:04.9	+31:28:06	300	90	3.0	#160 2MACS	2	
0031-0032.FLAT	16	0:45	21:49:14.0	+31:28:06	300	90	3.0	#160 2MACS	2	
0033-0038.FLAT	16	0:48	21:52:16.2	+31:28:05	300	90	3.0	#160 2MACS	2	
0039-0044.FLAT	16	0:51	21:55:18.2	+31:28:04	300	90	3.0	#160 2MACS	2	
0045-0051.FLAT	16	0:54	21:58:50.6	+31:28:03	300	90	3.0	#160 2MACS	2	
0052.BDp174708	180	1:07	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0053.BDp174708	180	1:12	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0054.COMP	10	1:15	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0055.BDp284211	240	1:17	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0056.BDp284211	240	1:21	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0057.COMP	10	1:26	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0058.ZAnd	5	1:29	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	strong winds, poor seeing
0059.ZAnd	30	1:30	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0060.ZAnd	90	1:31	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0061.COMP	10	1:34	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0062-0066.DARK	900	5:07	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	

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

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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.sn2005k1	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.sn2005k1	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	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0004.DARK	900	23:31	11:01:44.1	-06:51:37	300	90	3.0	#122 Halo Star	2	
0005-0020.BIAS	0	23:51	11:01:44.1	-06:51:37	300	90	3.0	#122 Halo Star	4	
0021-0030.FLAT	8	23:54	11:01:44.1	-06:51:37	300	90	3.0	#122 Halo Star	4	
0031-0040.BIAS	0	23:57	11:01:44.1	-06:51:37	300	90	3.0	#122 Halo Star	2	
0041-0061.FLAT	16	0:07	11:01:44.1	-06:51:37	300	90	3.0	#122 Halo Star	2	
0062.test	5	0:09	11:01:44.1	-06:51:37	300	90	3.0	#122 Halo Star	4	clear, windy, variable seeing
0063-0067.sky	3	0:38	21:50:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0068.COMP	5	0:39	21:50:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0069.BDp174708	45	1:04	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0070.BDp174708	45	1:05	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0071.BDp174708	45	1:06	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0072.COMP	10	1:07	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0073.BDp284211	90	1:08	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0074.BDp284211	90	1:10	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0075.BDp284211	90	1:12	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0076.COMP	10	1:14	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0077.PUVu1	5	1:16	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0078.PUVu1	30	1:17	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0079.PUVu1	100	1:18	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0080.COMP	5	1:19	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0081.2M18585819+4547477	300	1:21	18:58:58.1	+45:47:47	300	90	3.0	#141 Mapping t	4	
0082.COMP	5	1:26	18:58:58.1	+45:47:47	300	90	3.0	#141 Mapping t	4	
0083.2M19000375+4851329	240	1:27	19:00:03.7	+48:51:32	300	90	3.0	#141 Mapping t	4	
0084.COMP	5	1:31	19:00:03.7	+48:51:32	300	90	3.0	#141 Mapping t	4	
0085.2M19003166+4740291	300	1:32	19:00:31.6	+47:40:29	300	90	3.0	#141 Mapping t	4	
0086.COMP	5	1:37	19:00:31.6	+47:40:29	300	90	3.0	#141 Mapping t	4	
0087.2M19044281+6029007	300	1:38	19:04:42.8	+60:29:00	300	90	3.0	#141 Mapping t	4	
0088.COMP	5	1:43	19:04:42.8	+60:29:00	300	90	3.0	#141 Mapping t	4	
0089.2M19091561+6110268	240	1:44	19:09:15.6	+61:10:26	300	90	3.0	#141 Mapping t	4	
0090.COMP	5	1:48	19:09:15.6	+61:10:26	300	90	3.0	#141 Mapping t	4	
0091.2M19101660+5510596	330	1:49	19:10:16.6	+55:10:59	300	90	3.0	#141 Mapping t	4	
0092.COMP	5	1:55	19:10:16.6	+55:10:59	300	90	3.0	#141 Mapping t	4	
0093.2M19045138+5039433	390	1:56	19:04:51.3	+50:39:43	300	90	3.0	#141 Mapping t	4	
0094.COMP	5	2:03	19:04:51.3	+50:39:43	300	90	3.0	#141 Mapping t	4	
0095.2M19090154+4257124	300	2:04	19:09:01.5	+42:57:12	300	90	3.0	#141 Mapping t	4	
0096.COMP	5	2:09	19:09:01.5	+42:57:12	300	90	3.0	#141 Mapping t	4	
0097.2M19092444+3633076	480	2:10	19:09:24.4	+36:33:07	300	90	3.0	#141 Mapping t	4	
0098.COMP	5	2:19	19:09:24.4	+36:33:07	300	90	3.0	#141 Mapping t	4	
0099.2M19125375+5024052	300	2:19	19:12:53.7	+50:24:05	300	90	3.0	#141 Mapping t	4	
0100.COMP	5	2:25	19:12:53.7	+50:24:05	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
0101.sn2005kc	1200	2:27	22:34:07.3	+05:34:06	300	33	3.0	#2 SN Observat	2	
0102.COMP	10	2:47	22:34:07.3	+05:34:06	300	33	3.0	#2 SN Observat	2	
0103.test	10	2:51	00:30:00	32:00:00	600	90	2.0	#2 SN Observat	4	
0104.FLAT	24	2:51	00:30:00	32:00:00	600	90	2.0	#2 SN Observat	4	600-line, 2-sec, Warren
0105-0113.FLAT	24	2:56	00:30:00	32:00:00	600	90	2.0	#2 SN Observat	4	
0114.BDp284211	120	2:58	21:51:11.1	28:51:53	600	90	2.0	#122 Halo Star	4	
0115.BDp284211	120	3:00	21:51:11.1	28:51:53	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	3:03	21:51:11.1	28:51:53	600	90	2.0	#122 Halo Star	4	
0117.hs3855	300	3:04	1:16:27.4	-9:03:23	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	3:10	1:16:27.4	-9:03:23	600	90	2.0	#122 Halo Star	4	
0119.hs3856	540	3:10	1:17:52.5	-4:07:08	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	3:20	1:17:52.5	-4:07:08	600	90	2.0	#122 Halo Star	4	
0121.hs3857	900	3:20	1:18:03.8	-4:06:24	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	3:36	1:18:03.8	-4:06:24	600	90	2.0	#122 Halo Star	4	
0123.hs3858	240	3:37	1:19:18.8	-3:27:57	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	3:41	1:19:18.8	-3:27:57	600	90	2.0	#122 Halo Star	4	
0125.hs3859	900	3:42	1:20:18.9	-2:35:41	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	3:58	1:20:18.9	-2:35:41	600	90	2.0	#122 Halo Star	4	
0127.hs3860	720	4:03	1:20:41.7	-7:49:54	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	4:15	1:20:41.7	-7:49:54	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0129.hs3861	720	4:17	1:22:14.8	-7:52:55	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	4:29	1:22:14.8	-7:52:55	600	90	2.0	#122 Halo Star	4	
0131.hs3862	240	4:30	1:23:42.7	-6:48:48	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	4:34	1:23:42.7	-6:48:48	600	90	2.0	#122 Halo Star	4	
0133.hs3863	180	4:35	1:25:00.0	-2:51:44	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	4:38	1:25:00.0	-2:51:44	600	90	2.0	#122 Halo Star	4	
0135.hs3864	180	4:39	1:25:24.6	-9:36:17	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	4:42	1:25:24.6	-9:36:17	600	90	2.0	#122 Halo Star	4	
0137.hs3865	660	4:43	1:25:48.9	-2:13:54	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	4:55	1:25:48.9	-2:13:54	600	90	2.0	#122 Halo Star	4	
0139.hs3866	720	4:56	1:26:26.0	-7:49:58	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	5:08	1:26:26.0	-7:49:58	600	90	2.0	#122 Halo Star	4	
0141.hs3867	120	5:10	1:28:40.5	-7:24:04	600	90	2.0	#122 Halo Star	4	
0142.COMP	10	5:12	1:28:40.5	-7:24:04	600	90	2.0	#122 Halo Star	4	
0143.hs3868	330	5:13	1:31:05.9	-4:24:45	600	90	2.0	#122 Halo Star	4	
0144.COMP	10	5:19	1:31:05.9	-4:24:45	600	90	2.0	#122 Halo Star	4	
0145.hs3869	660	5:20	1:39:03.4	-2:28:19	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	5:31	1:39:03.4	-2:28:19	600	90	2.0	#122 Halo Star	4	
0147.hs3870	420	5:32	1:39:45.7	-9:46:01	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	5:40	1:39:45.7	-9:46:01	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0149.hs3871	180	5:40	1:41:14.7	-9:18:37	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	5:44	1:41:14.7	-9:18:37	600	90	2.0	#122 Halo Star	4	
0151.hs3872	1200	5:45	1:43:39.7	-2:27:14	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	6:05	1:43:39.7	-2:27:14	600	90	2.0	#122 Halo Star	4	
0153.hs3873	600	6:06	1:47:24.8	-4:58:25	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	6:16	1:47:24.8	-4:58:25	600	90	2.0	#122 Halo Star	4	
0155.hs3874	240	6:17	1:48:47.6	-9:48:23	600	90	2.0	#122 Halo Star	4	
0156.COMP	10	6:22	1:48:47.6	-9:48:23	600	90	2.0	#122 Halo Star	4	
0157.hs3875	180	6:22	1:49:29.6	-3:21:46	600	90	2.0	#122 Halo Star	4	
0158.COMP	10	6:26	1:49:29.6	-3:21:46	600	90	2.0	#122 Halo Star	4	
0159.hs3876	600	6:27	1:51:59.6	-7:59:50	600	90	2.0	#122 Halo Star	4	
0160.COMP	10	6:37	1:51:59.6	-7:59:50	600	90	2.0	#122 Halo Star	4	
0161.hs3877	120	6:38	1:52:46.5	-4:21:13	600	90	2.0	#122 Halo Star	4	
0162.COMP	10	6:40	1:52:46.5	-4:21:13	600	90	2.0	#122 Halo Star	4	
0163.hs3878	180	6:41	1:53:38.7	-3:29:00	600	90	2.0	#122 Halo Star	4	
0164.COMP	10	6:44	1:53:38.7	-3:29:00	600	90	2.0	#122 Halo Star	4	
0165.hs3879	780	6:45	1:53:51.5	-5:41:29	600	90	2.0	#122 Halo Star	4	
0166.COMP	10	6:58	1:53:51.5	-5:41:29	600	90	2.0	#122 Halo Star	4	
0167.hs3880	180	6:59	1:54:59.0	-2:18:06	600	90	2.0	#122 Halo Star	4	
0168.COMP	10	7:02	1:54:59.0	-2:18:06	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0169.hs3923	240	7:03	2:52:48.0	-2:39:04	600	90	2.0	#122 Halo Star	4	
0170.COMP	10	7:08	2:52:48.0	-2:39:04	600	90	2.0	#122 Halo Star	4	
0171.hs3924	900	7:08	2:52:51.0	-2:25:18	600	90	2.0	#122 Halo Star	4	white dwarf
0172.COMP	10	7:24	2:52:51.0	-2:25:18	600	90	2.0	#122 Halo Star	4	
0173.hs3925	240	7:24	2:53:01.9	-8:34:54	600	90	2.0	#122 Halo Star	4	
0174.COMP	10	7:29	2:53:01.9	-8:34:54	600	90	2.0	#122 Halo Star	4	
0175.hs3926	660	7:29	2:57:54.6	-4:03:30	600	90	2.0	#122 Halo Star	4	
0176.COMP	10	7:41	2:57:54.6	-4:03:30	600	90	2.0	#122 Halo Star	4	
0177.hs3927	150	7:42	2:59:51.1	-5:16:11	600	90	2.0	#122 Halo Star	4	
0178.COMP	10	7:44	2:59:51.1	-5:16:11	600	90	2.0	#122 Halo Star	4	
0179.hs3928	180	7:45	2:59:59.0	-7:01:50	600	90	2.0	#122 Halo Star	4	
0180.COMP	10	7:48	2:59:59.0	-7:01:50	600	90	2.0	#122 Halo Star	4	
0181.hs3986	420	7:49	4:04:43.3	-5:41:55	600	90	2.0	#122 Halo Star	4	
0182.COMP	10	7:57	4:04:43.3	-5:41:55	600	90	2.0	#122 Halo Star	4	
0183.hs3987	1080	7:59	4:07:07.0	-6:02:20	600	60	2.0	#122 Halo Star	4	
0184.COMP	10	8:17	4:07:07.0	-6:02:20	600	60	2.0	#122 Halo Star	4	
0185.hs3988	720	8:19	4:07:43.8	-7:00:30	600	90	2.0	#122 Halo Star	4	
0186.COMP	10	8:31	4:07:43.8	-7:00:30	600	90	2.0	#122 Halo Star	4	
0187.hs3989	180	8:32	4:07:44.4	-2:42:50	600	90	2.0	#122 Halo Star	4	
0188.COMP	10	8:36	4:07:44.4	-2:42:50	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
0189.hs3990	180	8:38	4:08:00.9	-3:39:12	600	90	2.0	#122 Halo Star	4	
0190.COMP	10	8:41	4:08:00.9	-3:39:12	600	90	2.0	#122 Halo Star	4	
0191.hs3991	840	8:42	4:09:26.5	-5:06:37	600	90	2.0	#122 Halo Star	4	
0192.COMP	10	8:56	4:09:26.5	-5:06:37	600	90	2.0	#122 Halo Star	4	
0193.hs3992	120	8:57	4:09:31.3	-5:00:07	600	90	2.0	#122 Halo Star	4	
0194.COMP	10	8:59	4:09:31.3	-5:00:07	600	90	2.0	#122 Halo Star	4	
0195.COMP	1200	9:00	4:15:40.6	-8:35:38	600	90	2.0	#122 Halo Star	4	shoot hs4004 plus comp mixed together
0196.hs4010	180	9:22	4:19:41.2	-7:49:26	600	90	2.0	#122 Halo Star	4	
0197.COMP	10	9:25	4:19:41.2	-7:49:26	600	90	2.0	#122 Halo Star	4	
0198.test	5	9:28	7:0:0	32:0:0	300	90	3.0	#122 Halo Star	4	
0199.test	5	9:29	7:0:0	32:0:0	300	90	3.0	#122 Halo Star	4	
0200.test	5	9:30	7:0:0	32:0:0	300	90	3.0	#122 Halo Star	4	
0201.test	5	9:31	7:0:0	32:0:0	300	90	3.0	#122 Halo Star	4	
0202.Hiltner600	45	9:34	06:45:13.4	02:08:14	300	0	3.0	#56 Spectropho	2	300-line, 3-sec, combo
0203.Hiltner600	45	9:35	06:45:13.4	02:08:14	300	0	3.0	#56 Spectropho	2	
0204.Hiltner600	45	9:36	06:45:13.4	02:08:14	300	0	3.0	#56 Spectropho	2	
0205.COMP	10	9:37	06:45:13.4	02:08:14	300	0	3.0	#56 Spectropho	2	
0206.HD287861	20	9:38	05:25:10.2	+01:15:31	300	35	3.0	#112 Orion OB1	4	
0207.HD287861	20	9:39	05:25:10.2	+01:15:31	300	35	3.0	#112 Orion OB1	4	
0208.COMP	5	9:39	05:25:10.2	+01:15:31	300	35	3.0	#112 Orion OB1	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0209.HD287850	30	9:40	05:25:39.7	+01:38:18	300	35	3.0	#112 Orion OB1	4	
0210.HD287850	30	9:41	05:25:39.7	+01:38:18	300	35	3.0	#112 Orion OB1	4	
0211.COMP	5	9:42	05:25:39.7	+01:38:18	300	35	3.0	#112 Orion OB1	4	
0212.HD287854	30	9:42	05:25:48.6	+01:23:22	300	35	3.0	#112 Orion OB1	4	
0213.HD287854	30	9:43	05:25:48.6	+01:23:22	300	35	3.0	#112 Orion OB1	4	
0214.COMP	5	9:44	05:25:48.6	+01:23:22	300	35	3.0	#112 Orion OB1	4	
0215.COMP	5	9:46	7:20:00	25:0:0	300	35	3.0	#112 Orion OB1	4	retweak tilt ok
0216.HD287851	35	9:47	05:26:03.6	+01:48:29	300	35	3.0	#112 Orion OB1	4	
0217.HD287851	35	9:48	05:26:03.6	+01:48:29	300	35	3.0	#112 Orion OB1	4	
0218.COMP	5	9:48	05:26:03.6	+01:48:29	300	35	3.0	#112 Orion OB1	4	
0219.HD35625	20	9:49	05:26:11.9	+01:53:35	300	35	3.0	#112 Orion OB1	4	
0220.HD35625	20	9:49	05:26:11.9	+01:53:35	300	35	3.0	#112 Orion OB1	4	
0221.COMP	5	9:51	05:26:11.9	+01:53:35	300	35	3.0	#112 Orion OB1	4	
0222.V346Ori	30	9:52	05:24:42.8	+01:43:48	300	35	3.0	#112 Orion OB1	4	
0223.V346Ori	30	9:52	05:24:42.8	+01:43:48	300	35	3.0	#112 Orion OB1	4	
0224.COMP	5	9:53	05:24:42.8	+01:43:48	300	35	3.0	#112 Orion OB1	4	
0225.HD290534	30	9:54	05:29:13.5	-01:47:46	300	35	3.0	#112 Orion OB1	4	
0226.HD290534	30	9:54	05:29:13.5	-01:47:46	300	35	3.0	#112 Orion OB1	4	
0227.COMP	5	9:55	05:29:13.5	-01:47:46	300	35	3.0	#112 Orion OB1	4	
0228.5292086m01062	60	9:56	05:29:20.8	-01:06:25	300	35	3.0	#112 Orion OB1	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0229.5292086m01062	60	9:57	05:29:20.8	-01:06:25	300	35	3.0	#112 Orion OB1	4	
0230.COMP	5	9:58	05:29:20.8	-01:06:25	300	35	3.0	#112 Orion OB1	4	
0231.HD290530	40	9:59	05:29:22.7	-01:31:53	300	35	3.0	#112 Orion OB1	4	
0232.HD290530	40	10:00	05:29:22.7	-01:31:53	300	35	3.0	#112 Orion OB1	4	
0233.COMP	5	10:01	05:29:22.7	-01:31:53	300	35	3.0	#112 Orion OB1	4	
0234.HD294152	35	10:01	05:29:29.5	-02:15:40	300	35	3.0	#112 Orion OB1	4	
0235.HD294152	35	10:02	05:29:29.5	-02:15:40	300	35	3.0	#112 Orion OB1	4	
0236.COMP	5	10:03	05:29:29.5	-02:15:40	300	35	3.0	#112 Orion OB1	4	
0237.HD290521	55	10:03	05:29:50.2	-01:02:08	300	35	3.0	#112 Orion OB1	4	
0238.HD290521	55	10:04	05:29:50.2	-01:02:08	300	35	3.0	#112 Orion OB1	4	
0239.COMP	5	10:06	05:29:50.2	-01:02:08	300	35	3.0	#112 Orion OB1	4	
0240.HD290548	55	10:06	05:30:02.8	-02:08:59	300	35	3.0	#112 Orion OB1	4	
0241.HD290548	55	10:07	05:30:02.8	-02:08:59	300	35	3.0	#112 Orion OB1	4	
0242.COMP	5	10:08	05:30:02.8	-02:08:59	300	35	3.0	#112 Orion OB1	4	
0243.5305787m01565	75	10:09	05:30:57.8	-01:56:52	300	35	3.0	#112 Orion OB1	4	
0244.5305787m01565	75	10:10	05:30:57.8	-01:56:52	300	35	3.0	#112 Orion OB1	4	
0245.COMP	5	10:12	05:30:57.8	-01:56:52	300	35	3.0	#112 Orion OB1	4	
0246.HIP25870E	10	10:13	05:31:21.2	-02:05:57	300	35	3.0	#112 Orion OB1	4	
0247.HIP25870E	10	10:13	05:31:21.2	-02:05:57	300	35	3.0	#112 Orion OB1	4	
0248.HIP25870W	10	10:14	05:31:21.2	-02:05:57	300	35	3.0	#112 Orion OB1	4	

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0249.HIP25870W	10	10:14	05:31:21.2	-02:05:57	300	35	3.0	#112 Orion OB1	4	
0250.COMP	5	10:15	05:31:21.2	-02:05:57	300	35	3.0	#112 Orion OB1	4	
0251.HD290540	20	10:15	05:31:31.3	-01:49:33	300	35	3.0	#112 Orion OB1	4	
0252.HD290540	20	10:16	05:31:31.3	-01:49:33	300	35	3.0	#112 Orion OB1	4	
0253.COMP	5	10:16	05:31:31.3	-01:49:33	300	35	3.0	#112 Orion OB1	4	
0254.HD36444	15	10:17	05:31:40.4	-01:07:33	300	40	3.0	#112 Orion OB1	4	
0255.HD36444	15	10:17	05:31:40.4	-01:07:33	300	40	3.0	#112 Orion OB1	4	
0256.COMP	5	10:18	05:31:40.4	-01:07:33	300	40	3.0	#112 Orion OB1	4	
0257.5314469m01305	60	10:19	05:31:44.6	-01:30:58	300	40	3.0	#112 Orion OB1	4	
0258.5314469m01305	60	10:20	05:31:44.6	-01:30:58	300	40	3.0	#112 Orion OB1	4	
0259.COMP	5	10:21	05:31:44.6	-01:30:58	300	40	3.0	#112 Orion OB1	4	
0260.HD290598	20	10:22	05:32:05.2	-01:37:13	300	40	3.0	#112 Orion OB1	4	
0261.HD290598	20	10:22	05:32:05.2	-01:37:13	300	40	3.0	#112 Orion OB1	4	
0262.COMP	5	10:23	05:32:05.2	-01:37:13	300	40	3.0	#112 Orion OB1	4	
0263.HD290585	40	10:23	05:32:21.7	-01:01:19	300	40	3.0	#112 Orion OB1	4	
0264.HD290585	40	10:24	05:32:21.7	-01:01:19	300	40	3.0	#112 Orion OB1	4	
0265.COMP	5	10:25	05:32:21.7	-01:01:19	300	40	3.0	#112 Orion OB1	4	
0266.HIP26016	10	10:27	05:33:05.5	-01:43:15	300	40	3.0	#112 Orion OB1	4	
0267.HIP26016	10	10:27	05:33:05.5	-01:43:15	300	40	3.0	#112 Orion OB1	4	
0268.COMP	5	10:28	05:33:05.5	-01:43:15	300	40	3.0	#112 Orion OB1	4	

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0269.5331305m02039	90	10:28	05:33:13.0	-02:03:13	300	40	3.0	#112 Orion OB1	4	
0270.5331305m02039	90	10:30	05:33:13.0	-02:03:13	300	40	3.0	#112 Orion OB1	4	
0271.COMP	5	10:32	05:33:13.0	-02:03:13	300	40	3.0	#112 Orion OB1	4	
0272.HD290543	45	10:32	05:30:18.6	-02:01:57	300	40	3.0	#112 Orion OB1	4	
0273.HD290543	45	10:33	05:30:18.6	-02:01:57	300	40	3.0	#112 Orion OB1	4	
0274.COMP	5	10:34	05:30:18.6	-02:01:57	300	40	3.0	#112 Orion OB1	4	
0275.2M05534340+6344220	330	10:37	05:53:43.4	+63:44:22	300	90	3.0	#141 Mapping t	4	
0276.COMP	5	10:43	05:53:43.4	+63:44:22	300	90	3.0	#141 Mapping t	4	
0277.2M05534906+6642203	300	10:43	05:53:49.0	+66:42:20	300	90	3.0	#141 Mapping t	4	
0278.COMP	5	10:49	05:53:49.0	+66:42:20	300	90	3.0	#141 Mapping t	4	
0279.2M05543155+5157266	360	10:50	05:54:31.5	+51:57:26	300	90	3.0	#141 Mapping t	4	
0280.COMP	5	10:56	05:54:31.5	+51:57:26	300	90	3.0	#141 Mapping t	4	
0281.2M05543704+4614406	600	10:57	05:54:37.0	+46:14:40	300	90	3.0	#141 Mapping t	2	
0282.COMP	10	11:07	05:54:37.0	+46:14:40	300	90	3.0	#141 Mapping t	2	
0283.2M05550520+5142206	300	11:08	05:55:5.1	+51:42:20	300	90	3.0	#141 Mapping t	4	
0284.COMP	5	11:14	05:55:5.1	+51:42:20	300	90	3.0	#141 Mapping t	4	
0285.2M05581173+5328180	300	11:15	05:58:11.7	+53:28:18	300	90	3.0	#141 Mapping t	4	
0286.COMP	5	11:20	05:58:11.7	+53:28:18	300	90	3.0	#141 Mapping t	4	
0287.2M05583307+5521302	300	11:20	05:58:33.1	+55:21:30	300	90	3.0	#141 Mapping t	4	
0288.COMP	5	11:26	05:58:33.1	+55:21:30	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
0289.2M06151272+5055167	480	11:27	06:15:12.7	+50:55:17	300	90	3.0	#141 Mapping t	4	
0290.COMP	5	11:35	06:15:12.7	+50:55:17	300	90	3.0	#141 Mapping t	4	
0291.2M06173586+4836112	300	11:35	06:17:35.8	+48:36:10	300	90	3.0	#141 Mapping t	4	
0292.COMP	5	11:41	06:17:35.8	+48:36:10	300	90	3.0	#141 Mapping t	4	
0293.2M06194600+5057203	360	11:41	06:19:46.0	+50:57:20	300	90	3.0	#141 Mapping t	4	
0294.COMP	5	11:48	06:19:46.0	+50:57:20	300	90	3.0	#141 Mapping t	4	
0295.2M06460161+3519578	240	11:48	06:46:1.6	+35:19:57	300	90	3.0	#141 Mapping t	4	
0296.COMP	5	11:53	06:46:1.6	+35:19:57	300	90	3.0	#141 Mapping t	4	
0297.2M06494659+3516272	300	11:54	06:49:46.6	+35:16:27	300	90	3.0	#141 Mapping t	4	
0298.COMP	5	11:59	06:49:46.6	+35:16:27	300	90	3.0	#141 Mapping t	4	
0299.2M06513971+3449010	330	12:00	06:51:39.6	+34:49:0	300	90	3.0	#141 Mapping t	4	
0300.COMP	5	12:05	06:51:39.6	+34:49:0	300	90	3.0	#141 Mapping t	4	
0301.2M06522063+3120331	300	12:06	06:52:20.6	+31:20:33	300	90	3.0	#141 Mapping t	4	
0302.COMP	5	12:11	06:52:20.6	+31:20:33	300	90	3.0	#141 Mapping t	4	
0303.2M07163708+3642186	330	12:19	07:16:37.1	+36:42:18	300	90	3.0	#141 Mapping t	4	
0304.COMP	5	12:25	07:16:37.1	+36:42:18	300	90	3.0	#141 Mapping t	4	
0305.sn2005kx	1200	12:29	10:14:26.0	+77:49:19	300	10	3.0	#2 SN Observat	2	
0306.COMP	10	12:49	10:14:26.0	+77:49:19	300	10	3.0	#2 SN Observat	2	
0307.Feige34	120	12:51	10:39:36.8	43:06:10	300	30	3.0	#56 Spectropho	2	
0308.Feige34	120	12:53	10:39:36.8	43:06:10	300	30	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>
0309.COMP	10	12:56	10:39:36.8	43:06:10	300	30	3.0	#56 Spectropho	2	
0310.MRK421	240	12:57	11:04:27.4	+38:12:32	300	60	3.0	#6 AGN Monitor	2	g-ray outburst
0311.MRK421	240	13:02	11:04:27.4	+38:12:32	300	60	3.0	#6 AGN Monitor	2	
0312.COMP	10	13:06	11:04:27.4	+38:12:32	300	60	3.0	#6 AGN Monitor	2	
0313.N3377	180	13:08	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0314.COMP	5	13:11	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0315-0324.BIAS	0	13:13	10:45:02.6	+14:14:51	300	90	3.0	#141 Mapping t	4	
0325-0334.FLAT	8	13:17	10:45:02.6	+14:14:51	300	90	3.0	#141 Mapping t	4	
0335-0344.BIAS	0	13:19	10:45:02.6	+14:14:51	300	90	3.0	#141 Mapping t	2	
0345-0359.FLAT	16	13:27	10:45:02.6	+14:14:51	300	90	3.0	#141 Mapping t	2	
0360-0364.DARK	900	14:36	10:45:02.6	+14:14:51	300	90	3.0	#141 Mapping t	4	
0365-0369.DARK	900	15:53	10:45:02.6	+14:14:51	300	90	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	0:32	22:03:17.3	+31:28:01	300	90	3.0	#141 Mapping t	4	
0002.DARK	900	0:47	22:18:28.1	+31:27:57	300	90	3.0	#141 Mapping t	4	
0003.DARK	900	1:02	22:33:35.0	+31:27:54	300	90	3.0	#141 Mapping t	4	
0004-0013.BIAS	0	1:21	22:36:58.8	+31:27:53	300	90	3.0	#141 Mapping t	4	
0014-0023.FLAT	8	1:25	22:41:27.8	+31:27:52	300	90	3.0	#141 Mapping t	4	
0024-0030.BIAS	0	1:27	22:43:29.1	+31:27:52	300	90	3.0	#141 Mapping t	2	
0031-0033.BIAS	0	1:28	22:44:08.2	+31:27:51	300	90	3.0	#141 Mapping t	2	
0034.FLAT	16	1:32	22:48:20.2	+31:27:51	300	90	3.0	#141 Mapping t	2	
0035-0046.FLAT	16	1:38	22:54:02.7	+31:27:50	300	90	3.0	#141 Mapping t	2	
0047-0053.FLAT	16	1:41	22:57:22.0	+31:27:49	300	90	3.0	#141 Mapping t	2	
0054.BDp284211	60	1:59	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0055.COMP	5	2:00	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0056.BDp284211	60	2:01	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0057.BDp284211	60	2:02	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0058.COMP	12	2:04	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0059.BDp174708	30	2:06	22:11:31.4	18:05:33	300	46	3.0	#56 Spectropho	2	
0060.BDp174708	30	2:07	22:11:31.4	18:05:33	300	46	3.0	#56 Spectropho	2	
0061.BDp174708	30	2:08	22:11:31.4	18:05:33	300	46	3.0	#56 Spectropho	2	
0062.COMP	12	2:09	22:11:31.4	18:05:33	300	46	3.0	#56 Spectropho	2	
0063.2M18412803+6400003	300	2:10	18:41:28.0	+64:00:00	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
0064.COMP	12	2:16	18:41:28.0	+64:00:00	300	90	3.0	#141 Mapping t	2	
0065.2M18422637+7046311	420	2:18	18:42:26.3	+70:46:31	300	90	3.0	#141 Mapping t	2	
0066.COMP	12	2:25	18:42:26.3	+70:46:31	300	90	3.0	#141 Mapping t	2	
0067.2M18442849+5733106	540	2:27	18:44:28.4	+57:33:10	300	90	3.0	#141 Mapping t	2	
0068.COMP	12	2:36	18:44:28.4	+57:33:10	300	90	3.0	#141 Mapping t	2	
0069.2M18490792+5209412	600	2:42	18:49:07.9	+52:09:41	300	60	3.0	#141 Mapping t	2	
0070.COMP	12	2:52	18:49:07.9	+52:09:41	300	60	3.0	#141 Mapping t	2	
0071.2M18490902+6108262	600	2:54	18:49:09.0	+61:08:26	300	100	3.0	#141 Mapping t	2	
0072.COMP	12	3:05	18:49:09.0	+61:08:26	300	100	3.0	#141 Mapping t	2	
0073.2M21340018+3923305	900	3:19	21:34:00.1	+39:23:30	300	90	3.0	#141 Mapping t	2	
0074.COMP	12	3:34	21:34:00.1	+39:23:30	300	90	3.0	#141 Mapping t	2	
0075.2M21360427+3337258	600	3:36	21:36:04.2	+33:37:25	300	70	3.0	#141 Mapping t	2	
0076.COMP	12	3:47	21:36:04.2	+33:37:25	300	70	3.0	#141 Mapping t	2	
0077.2M21360437+4228427	1080	3:50	21:36:04.3	+42:28:42	300	90	3.0	#141 Mapping t	2	need more counts
0078.COMP	12	4:08	21:36:04.3	+42:28:42	300	90	3.0	#141 Mapping t	2	
0079.2M21360437+4228427	1500	4:09	21:36:04.3	+42:28:42	300	90	3.0	#141 Mapping t	2	
0080.COMP	12	4:34	21:36:04.3	+42:28:42	300	90	3.0	#141 Mapping t	2	
0081.sn2005hk	900	4:37	00:27:50.8	-01:11:52	300	30	3.0	#2 SN Observat	2	
0082.COMP	12	4:52	00:27:50.8	-01:11:52	300	30	3.0	#2 SN Observat	2	
0083.XS00521B3_006	1800	4:57	01:02:51.2	+31:45:55	300	90	3.0	#129 Bright Ch	2	

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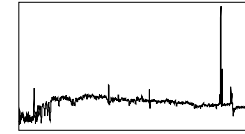
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0084.COMP	12	5:27	01:02:51.2	+31:45:55	300	90	3.0	#129 Bright Ch	2	
0085.MRK335	150	5:28	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0086.MRK335	150	5:31	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0087.COMP	12	5:34	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0088.0376_08	1200	5:37	02:47:13.5	36:38:30	300	90	3.0	#160 2MACS	2	
0089.COMP	12	5:57	02:47:13.5	36:38:30	300	90	3.0	#160 2MACS	2	
0090.0376_09	1080	5:58	02:47:32.2	36:49:37	300	90	3.0	#160 2MACS	2	row=69
0091.COMP	12	6:17	02:47:32.2	36:49:37	300	90	3.0	#160 2MACS	2	
0092.0397_01	1200	6:24	02:54:4.2	15:54:39	300	90	3.0	#160 2MACS	2	
0093.COMP	12	6:45	02:54:4.2	15:54:39	300	90	3.0	#160 2MACS	2	
0094.sn2005ke	1200	6:49	03:35:04.3	-24:56:38	300	7	3.0	#2 SN Observat	2	
0095.COMP	12	7:09	03:35:04.3	-24:56:38	300	7	3.0	#2 SN Observat	2	
0096.JH2123	25	7:12	05:11:39.8	-00:48:19	300	90	3.0	#112 Orion OB1	2	
0097.COMP	12	7:13	05:11:39.8	-00:48:19	300	90	3.0	#112 Orion OB1	2	
0098.JH2245	120	7:16	05:12:19.0	-01:58:04	300	90	3.0	#112 Orion OB1	2	
0099.COMP	12	7:18	05:12:19.0	-01:58:04	300	90	3.0	#112 Orion OB1	2	
0100.JH3102	150	7:19	05:16:45.4	-01:51:22	300	90	3.0	#112 Orion OB1	2	
0101.COMP	12	7:22	05:16:45.4	-01:51:22	300	90	3.0	#112 Orion OB1	2	
0102.JH3494	130	7:24	05:18:59.8	-03:10:14	300	90	3.0	#112 Orion OB1	2	
0103.COMP	12	7:26	05:18:59.8	-03:10:14	300	90	3.0	#112 Orion OB1	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0104.JH3526	0	7:27	05:19:11.2	+02:35:45	300	90	3.0	#112 Orion OB1	2	
0105.COMP	12	7:28	05:19:11.2	+02:35:45	300	90	3.0	#112 Orion OB1	2	
0106.JH3753	240	7:31	05:20:25.7	-05:47:06	300	90	3.0	#112 Orion OB1	2	
0107.COMP	12	7:35	05:20:25.7	-05:47:06	300	90	3.0	#112 Orion OB1	2	
0108.JH3773	120	7:37	05:20:31.4	-05:48:24	300	90	3.0	#112 Orion OB1	2	
0109.COMP	12	7:39	05:20:31.4	-05:48:24	300	90	3.0	#112 Orion OB1	2	
0110.JH4215	7	7:40	05:22:55.0	+00:00:10	300	90	3.0	#112 Orion OB1	2	
0111.COMP	12	7:41	05:22:55.0	+00:00:10	300	90	3.0	#112 Orion OB1	2	
0112.JH4271	60	7:43	05:23:12.4	+00:54:47	300	90	3.0	#112 Orion OB1	2	
0113.COMP	12	7:44	05:23:12.4	+00:54:47	300	90	3.0	#112 Orion OB1	2	
0114.JH4335	120	7:46	05:23:31.0	-01:04:23	300	90	3.0	#112 Orion OB1	2	
0115.COMP	12	7:48	05:23:31.0	-01:04:23	300	90	3.0	#112 Orion OB1	2	
0116.JH4395	5	7:49	05:23:46.2	-00:56:44	300	90	3.0	#112 Orion OB1	2	
0117.COMP	12	7:50	05:23:46.2	-00:56:44	300	90	3.0	#112 Orion OB1	2	
0118.JH4409	180	7:51	05:23:51.3	+00:00:10	300	90	3.0	#112 Orion OB1	2	
0119.COMP	12	7:55	05:23:51.3	+00:00:10	300	90	3.0	#112 Orion OB1	2	
0120.JH4414	60	7:56	05:23:51.5	-01:23:10	300	90	3.0	#112 Orion OB1	2	
0121.COMP	12	7:57	05:23:51.5	-01:23:10	300	90	3.0	#112 Orion OB1	2	
0122.JH4462	150	7:59	05:24:06.0	-03:49:47	300	90	3.0	#112 Orion OB1	2	
0123.COMP	12	8:02	05:24:06.0	-03:49:47	300	90	3.0	#112 Orion OB1	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0124.JH5097	50	8:04	05:27:05.4	+00:25:07	300	90	3.0	#112 Orion OB1	2	
0125.COMP	12	8:05	05:27:05.4	+00:25:07	300	90	3.0	#112 Orion OB1	2	
0126.JH5475	15	8:07	05:28:45.8	+05:01:25	300	90	3.0	#112 Orion OB1	2	
0127.COMP	12	8:08	05:28:45.8	+05:01:25	300	90	3.0	#112 Orion OB1	2	
0128.JH5689	120	8:10	05:29:48.0	-00:23:43	300	90	3.0	#112 Orion OB1	2	
0129.COMP	12	8:13	05:29:48.0	-00:23:43	300	90	3.0	#112 Orion OB1	2	
0130.JH5738	60	8:14	05:30:00.3	+02:22:13	300	90	3.0	#112 Orion OB1	2	
0131.COMP	12	8:15	05:30:00.3	+02:22:13	300	90	3.0	#112 Orion OB1	2	
0132.JH6174	180	8:17	05:32:00.3	-04:55:53	300	90	3.0	#112 Orion OB1	2	
0133.COMP	12	8:21	05:32:00.3	-04:55:53	300	90	3.0	#112 Orion OB1	2	
0134.JH6211	150	8:23	05:32:09.9	-02:49:46	300	90	3.0	#112 Orion OB1	2	
0135.COMP	12	8:26	05:32:09.9	-02:49:46	300	90	3.0	#112 Orion OB1	2	
0136.JH6382	240	8:28	05:33:02.2	-05:26:25	300	90	3.0	#112 Orion OB1	2	
0137.COMP	12	8:32	05:33:02.2	-05:26:25	300	90	3.0	#112 Orion OB1	2	
0138.JH6389	120	8:35	05:33:04.5	+02:28:06	300	100	3.0	#112 Orion OB1	2	
0139.COMP	12	8:37	05:33:04.5	+02:28:06	300	100	3.0	#112 Orion OB1	2	
0140.JH6625	30	8:40	05:34:14.1	-05:36:54	300	90	3.0	#112 Orion OB1	2	
0141.COMP	12	8:41	05:34:14.1	-05:36:54	300	90	3.0	#112 Orion OB1	2	
0142.JH6632	45	8:43	05:34:16.4	-05:36:45	300	90	3.0	#112 Orion OB1	2	
0143.COMP	12	8:44	05:34:16.4	-05:36:45	300	90	3.0	#112 Orion OB1	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0144.JH6636	90	8:45	05:34:18.5	-05:04:47	300	90	3.0	#112 Orion OB1	2	
0145.COMP	12	8:47	05:34:18.5	-05:04:47	300	90	3.0	#112 Orion OB1	2	
0146.JH6663	300	8:49	05:34:25.8	-01:21:06	300	90	3.0	#112 Orion OB1	2	
0147.COMP	12	8:55	05:34:25.8	-01:21:06	300	90	3.0	#112 Orion OB1	2	
0148.JH6735	2	8:57	05:34:46.9	-05:34:14	300	90	3.0	#112 Orion OB1	2	
0149.COMP	12	8:58	05:34:46.9	-05:34:14	300	90	3.0	#112 Orion OB1	2	
0150.JH6751	60	9:00	05:34:49.9	-05:18:44	300	90	3.0	#112 Orion OB1	2	
0151.COMP	12	9:02	05:34:49.9	-05:18:44	300	90	3.0	#112 Orion OB1	2	
0152.Akn120	300	9:04	05:13:38.0	-00:12:15	300	70	3.0	#6 AGN Monitor	2	
0153.COMP	12	9:09	05:13:38.0	-00:12:15	300	70	3.0	#6 AGN Monitor	2	
0154.2M04222838-0730501	720	9:11	04:22:28.3	-07:30:50	300	61	3.0	#141 Mapping t	2	
0155.COMP	12	9:26	04:22:28.3	-07:30:50	300	61	3.0	#141 Mapping t	2	
0156.2M04230872-0005147	600	9:29	04:23:8.7	-00:05:14	300	90	3.0	#141 Mapping t	2	
0157.COMP	12	9:40	04:23:8.7	-00:05:14	300	90	3.0	#141 Mapping t	2	
0158.2M04243147+0933526	630	9:41	04:24:31.4	+09:33:52	300	90	3.0	#141 Mapping t	2	
0159.COMP	12	9:52	04:24:31.4	+09:33:52	300	90	3.0	#141 Mapping t	2	
0160.2M04243361+1342342	1200	9:53	04:24:33.6	+13:42:34	300	90	3.0	#141 Mapping t	2	
0161.COMP	12	10:14	04:24:33.6	+13:42:34	300	90	3.0	#141 Mapping t	2	
0162.2M04245016+3321075	1080	10:15	04:24:50.1	+33:21:7	300	90	3.0	#141 Mapping t	2	
0163.COMP	12	10:35	04:24:50.1	+33:21:7	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
0164.2M06021029+8343337	480	10:37	06:02:10.1	+83:43:33	300	90	3.0	#141 Mapping t	2	
0165.COMP	12	10:46	06:02:10.1	+83:43:33	300	90	3.0	#141 Mapping t	2	
0166.2M05570631+7630323	900	10:48	05:57:6.2	+76:30:32	300	90	3.0	#141 Mapping t	2	
0167.COMP	12	11:03	05:57:6.2	+76:30:32	300	90	3.0	#141 Mapping t	2	
0168.2M06024603+6031237	300	11:05	06:02:46.0	+60:31:23	300	90	3.0	#141 Mapping t	2	
0169.COMP	12	11:10	06:02:46.0	+60:31:23	300	90	3.0	#141 Mapping t	2	
0170.2M06042304+7950529	300	11:12	06:04:23.1	+79:50:52	300	90	3.0	#141 Mapping t	2	
0171.COMP	12	11:18	06:04:23.1	+79:50:52	300	90	3.0	#141 Mapping t	2	
0172.1100_06	1200	11:20	10:49:12.5	22:13:30	300	90	3.0	#160 2MACS	2	
0173.COMP	12	11:41	10:49:12.5	22:13:30	300	90	3.0	#160 2MACS	2	
0174.1100_07	1200	11:42	10:49:40.6	22:08:04	300	90	3.0	#160 2MACS	2	
0175.COMP	12	12:02	10:49:40.6	22:08:04	300	90	3.0	#160 2MACS	2	
0176.sn2005kk	1500	12:06	10:39:40.0	+25:19:25	300	110	3.0	#2 SN Observat	2	
0177.COMP	12	12:31	10:39:40.0	+25:19:25	300	110	3.0	#2 SN Observat	2	
0178.sn2005kl	900	12:34	12:24:35.6	+39:23:03	300	75	3.0	#2 SN Observat	2	
0179.COMP	12	12:49	12:24:35.6	+39:23:03	300	75	3.0	#2 SN Observat	2	
0180.MRK421	300	12:51	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0181.MRK421	300	12:57	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0182.MRK421	300	13:02	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0183.COMP	12	13:07	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0184.Feige34	60	13:08	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0185.COMP	12	13:10	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0186-0190.sky	2	13:48	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0191.COMP	5	13:48	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0192-0201.BIAS	0	13:50	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0202-0211.FLAT	8	13:53	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0212-0221.BIAS	0	13:56	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	2	
0222-0241.FLAT	16	14:05	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	2	
0242-0251.DARK	900	16:24	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	2	