

UT Date 2005-06-02 Observers P BerlindColl. Focus 1035 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0004.DARK	900	23:55	22:34:46.9	+34:09:43	300	90	3.0	#84f Updated Z	4	
0005-0010.DARK	1200	1:52	22:34:46.9	+34:09:43	300	90	3.0	#84f Updated Z	2	
0011-0020.BIAS	0	2:14	22:34:46.9	+34:09:43	300	90	3.0	#84f Updated Z	4	
0021-0030.FLAT	8	2:17	22:34:46.9	+34:09:43	300	90	3.0	#84f Updated Z	4	
0031-0040.BIAS	0	2:20	22:34:46.9	+34:09:43	300	90	3.0	#84f Updated Z	2	
0041.FLAT	16	2:20	22:34:46.9	+34:09:43	300	90	3.0	#84f Updated Z	2	thick cirrus
0042-0061.FLAT	16	2:30	22:34:46.9	+34:09:43	300	90	3.0	#84f Updated Z	2	
0062.Feige34	180	3:42	10:39:36.8	43:06:10	300	100	3.0	#56 Spectropho	2	
0063.Feige34	180	3:46	10:39:36.8	43:06:10	300	100	3.0	#56 Spectropho	2	
0064.Feige34	180	3:50	10:39:36.8	43:06:10	300	100	3.0	#56 Spectropho	2	
0065.COMP	10	3:53	10:39:36.8	43:06:10	300	100	3.0	#56 Spectropho	2	
0066.2M11302132-0657408	720	3:57	11:30:21.3	-06:57:40	300	90	3.0	#141 Mapping t	4	
0067.COMP	5	4:09	11:30:21.3	-06:57:40	300	90	3.0	#141 Mapping t	4	
0068.2M11312568-0938451	600	4:12	11:31:25.6	-09:38:45	300	90	3.0	#141 Mapping t	2	
0069.COMP	10	4:23	11:31:25.6	-09:38:45	300	90	3.0	#141 Mapping t	2	
0070.2M11305262-0852345	720	4:24	11:30:52.6	-08:52:34	300	90	3.0	#141 Mapping t	4	
0071.COMP	5	4:36	11:30:52.6	-08:52:34	300	90	3.0	#141 Mapping t	4	
0072.2M11303200-0802318	600	4:37	11:30:32.0	-08:02:31	300	90	3.0	#141 Mapping t	4	
0073.COMP	5	4:47	11:30:32.0	-08:02:31	300	90	3.0	#141 Mapping t	4	
0074.sn2005cc	900	4:50	13:57:04.8	41:50:41	300	90	3.0	#2 SN Observat	2	

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0075.COMP	10	5:05	13:57:04.8	41:50:41	300	90	3.0	#2 SN Observat	2	
0076.1377_04	600	5:08	11:46:1.9	55:25:11	300	90	3.0	#160 2MACS	4	
0077.COMP	5	5:18	11:46:1.9	55:25:11	300	90	3.0	#160 2MACS	4	
0078.sn2005cf	1080	5:25	15:21:32.2	-07:24:47	300	-8	3.0	#2 SN Observat	2	
0079.COMP	10	5:44	15:21:32.2	-07:24:47	300	-8	3.0	#2 SN Observat	2	
0080.N5548	240	5:46	14:17:59.6	+25:08:12	300	55	3.0	#6 AGN Monitor	2	
0081.N5548	240	5:50	14:17:59.6	+25:08:12	300	55	3.0	#6 AGN Monitor	2	
0082.COMP	10	5:54	14:17:59.6	+25:08:12	300	55	3.0	#6 AGN Monitor	2	
0083.N4853	600	5:56	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	4	
0084.COMP	5	6:07	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	4	
0085.1913_20	900	6:28	14:26:39.4	16:41:14	300	90	3.0	#160 2MACS	4	stopped by clouds
0086.COMP	5	6:47	14:26:39.4	16:41:14	300	90	3.0	#160 2MACS	4	
0087.1913_21	600	7:49	14:28:6.8	16:41:25	300	90	3.0	#160 2MACS	4	
0088.COMP	5	8:00	14:28:6.8	16:41:25	300	90	3.0	#160 2MACS	4	
0089.1913_22_23	900	8:00	14:26:20.7	16:41:25	300	90	3.0	#160 2MACS	2	23 is E gal at row 92
0090.COMP	10	8:16	14:26:20.7	16:41:25	300	90	3.0	#160 2MACS	2	22 is W gal at row 73
0091.1913_24	480	8:16	14:26:30.5	16:41:43	300	90	3.0	#160 2MACS	4	
0092.COMP	5	8:25	14:26:30.5	16:41:43	300	90	3.0	#160 2MACS	4	
0093.1913_25	840	8:25	14:27:14.2	16:41:59	300	90	3.0	#160 2MACS	4	Hi Susan!
0094.COMP	5	8:40	14:27:14.2	16:41:59	300	90	3.0	#160 2MACS	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0095.2022_16	420	8:41	15:04:32.1	28:33:28	300	90	3.0	#160 2MACS	4	
0096.COMP	5	8:48	15:04:32.1	28:33:28	300	90	3.0	#160 2MACS	4	
0097.2022_17	660	8:49	15:04:4.2	28:34:39	300	90	3.0	#160 2MACS	4	
0098.COMP	5	9:00	15:04:4.2	28:34:39	300	90	3.0	#160 2MACS	4	
0099.2022_19	540	9:01	15:04:49.2	28:37:53	300	90	3.0	#160 2MACS	4	
0100.COMP	5	9:10	15:04:49.2	28:37:53	300	90	3.0	#160 2MACS	4	
0101.2022_20	900	9:11	15:03:30.8	28:44:16	300	90	3.0	#160 2MACS	4	
0102.COMP	5	9:27	15:03:30.8	28:44:16	300	90	3.0	#160 2MACS	4	
0103.2319_23	600	9:29	19:20:46.6	44:14:37	300	90	3.0	#160 2MACS	4	
0104.COMP	5	9:39	19:20:46.6	44:14:37	300	90	3.0	#160 2MACS	4	
0105.2319_24	720	9:40	19:22:24.2	44:19:05	300	90	3.0	#160 2MACS	2	
0106.COMP	10	9:52	19:22:24.2	44:19:05	300	90	3.0	#160 2MACS	2	
0107.2319_25	900	9:53	19:20:58.5	44:25:05	300	90	3.0	#160 2MACS	4	
0108.COMP	5	10:08	19:20:58.5	44:25:05	300	90	3.0	#160 2MACS	4	
0109.2319_26	900	10:09	19:21:40.8	44:25:41	300	90	3.0	#160 2MACS	4	
0110.COMP	5	10:25	19:21:40.8	44:25:41	300	90	3.0	#160 2MACS	4	
0111.HD192281	15	10:31	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	stopped by clouds again
0112.HD192281	15	10:32	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0113.HD192281	15	10:33	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0114.HD192281	15	10:33	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	



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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0115.COMP	10	10:34	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	clouds...
0116-0125.BIAS	0	10:59	18:00:48.8	+23:02:47	300	90	3.0	#160 2MACS	4	
0126-0135.FLAT	8	11:03	18:00:48.8	+23:02:47	300	90	3.0	#160 2MACS	4	
0136-0145.BIAS	0	11:05	18:00:48.8	+23:02:47	300	90	3.0	#160 2MACS	2	
0146-0155.FLAT	16	11:10	18:00:48.8	+23:02:47	300	90	3.0	#160 2MACS	2	

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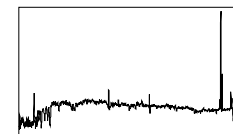
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	1:56	11:33:32.8	+31:31:29	300	90	3.0	#160 2MACS	4	
0002.DARK	900	2:11	11:48:43.7	+31:31:30	300	90	3.0	#160 2MACS	4	
0003-0005.DARK	900	2:56	12:34:10.2	+31:31:31	300	90	3.0	#160 2MACS	4	
0006-0015.BIAS	0	3:26	12:48:33.6	+31:31:31	300	90	3.0	#160 2MACS	4	
0016-0025.FLAT	6	3:29	12:51:57.4	+31:31:31	300	90	3.0	#160 2MACS	4	
0026-0035.BIAS	0	3:32	12:55:13.5	+31:31:30	300	90	3.0	#160 2MACS	2	
0036-0045.FLAT	12	3:37	13:00:00.1	+31:31:30	300	90	3.0	#160 2MACS	2	
0046.HD84937	15	3:43	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	4	
0047.HD84937	15	3:44	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	4	
0048.COMP	5	3:45	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	4	
0049.HD84937	15	3:50	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0050.HD84937	15	3:50	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0051.COMP	12	3:51	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0052.Feige34	120	3:54	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0053.COMP	5	3:57	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0054.Feige34	120	3:57	10:39:36.8	43:06:10	300	97	3.0	#56 Spectropho	2	
0055.COMP	12	4:00	10:39:36.8	43:06:10	300	97	3.0	#56 Spectropho	2	
0056.N3377	180	4:03	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0057.COMP	12	4:07	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0058.sn2005bf	1200	4:10	10:23:57.2	-03:11:28	300	48	3.0	#2 SN Observat	2	row=77

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0059.COMP	12	4:31	10:23:57.2	-03:11:28	300	48	3.0	#2 SN Observat	2	
0060.HS1036+4008	1800	4:35	10:39:34.1	39:52:58	300	90	3.0	#147 AGN Solut	2	
0061.COMP	12	5:07	10:39:34.1	39:52:58	300	90	3.0	#147 AGN Solut	2	
0062.HS1111+4033	1800	5:10	11:13:51.0	40:17:21	300	90	3.0	#147 AGN Solut	2	
0063.COMP	12	5:42	11:13:51.0	40:17:21	300	90	3.0	#147 AGN Solut	2	
0064.HS1202+3538	1800	5:46	12:05:04.4	35:22:08	300	90	3.0	#147 AGN Solut	2	
0065.COMP	12	6:16	12:05:04.4	35:22:08	300	90	3.0	#147 AGN Solut	2	
0066.sn2005cc	1200	6:21	13:57:04.8	41:50:41	300	-25	3.0	#2 SN Observat	2	row=84
0067.COMP	12	6:42	13:57:04.8	41:50:41	300	-25	3.0	#2 SN Observat	2	
0068.sn2005cf	900	6:46	15:21:32.2	-07:24:47	300	15	3.0	#2 SN Observat	2	
0069.COMP	12	7:04	15:21:32.2	-07:24:47	300	15	3.0	#2 SN Observat	2	
0070.1913_26	480	7:08	14:28:52.0	16:43:22	300	90	3.0	#160 2MACS	2	
0071.COMP	12	7:17	14:28:52.0	16:43:22	300	90	3.0	#160 2MACS	2	
0072.1913_27	600	7:19	14:26:26.4	16:44:42	300	90	3.0	#160 2MACS	2	
0073.COMP	12	7:29	14:26:26.4	16:44:42	300	90	3.0	#160 2MACS	2	
0074.1913_28	720	7:33	14:25:42.8	16:44:45	300	90	3.0	#160 2MACS	2	
0075.COMP	12	7:47	14:25:42.8	16:44:45	300	90	3.0	#160 2MACS	2	
0076.XS02184B7_001	1800	8:05	16:11:54.1	+65:49:27	300	90	3.0	#129 Bright Ch	2	
0077.COMP	12	8:35	16:11:54.1	+65:49:27	300	90	3.0	#129 Bright Ch	2	
0078.XS01899B7_033	1800	8:44	18:06:39.6	+70:01:45	300	90	3.0	#129 Bright Ch	2	

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0079.COMP	12	9:14	18:06:39.6	+70:01:45	300	90	3.0	#129 Bright Ch	2	
0080.PUVu1	1	9:19	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0081.PUVu1	10	9:19	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0082.PUVu1	60	9:20	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0083.COMP	12	9:21	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0084.XS01667B0_003	20	9:35	18:45:38.1	+79:56:33	300	90	3.0	#129 Bright Ch	2	Saturated
0085.COMP	12	9:36	18:45:38.1	+79:56:33	300	90	3.0	#129 Bright Ch	2	
0086.XS01667B0_003	5	9:39	18:45:38.1	+79:56:33	300	90	3.0	#129 Bright Ch	2	Saturated
0087.COMP	12	9:39	18:45:38.1	+79:56:33	300	90	3.0	#129 Bright Ch	2	
0088.XS01667B0_003	2	9:40	18:45:38.1	+79:56:33	300	90	3.0	#129 Bright Ch	2	
0089.COMP	12	9:41	18:45:38.1	+79:56:33	300	90	3.0	#129 Bright Ch	2	
0090.XS00789B5_002	600	9:46	22:35:04.1	+34:07:46	300	90	3.0	#129 Bright Ch	2	
0091.COMP	12	9:56	22:35:04.1	+34:07:46	300	90	3.0	#129 Bright Ch	2	
0092.XS00830B8_009	1200	10:01	18:42:24.8	+79:40:51	300	90	3.0	#129 Bright Ch	2	
0093.COMP	12	10:22	18:42:24.8	+79:40:51	300	90	3.0	#129 Bright Ch	2	
0094.XS00830B2_001	1200	10:29	18:43:24.2	+79:36:43	300	90	3.0	#129 Bright Ch	2	
0095.COMP	12	10:59	18:43:24.2	+79:36:43	300	90	3.0	#129 Bright Ch	2	
0096.MRK509	180	11:10	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0097.MRK509	180	11:14	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0098.COMP	12	11:17	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	



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0099.BDp174708	45	11:21	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0100-0109.BIAS	0	11:33	00	00	00	00	00	00	300	90 3.0
0110-0119.FLAT	6	11:42	00	00	00	00	00	00	300	90 3.0
0120-0129.BIAS	0	11:46	00	00	00	00	00	00	300	90 3.0
0130-0139.FLAT	12	11:52	00	00	00	00	00	00	300	90 3.0
0140-0149.DARK	900	14:15	00	00	00	00	00	00	300	90 3.0

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	2:37	12:15:12.8	+31:31:27	300	90	3.0	#56 Spectropho	4	
0011.FLAT	8	2:37	12:15:34.4	+31:31:27	300	90	3.0	#56 Spectropho	4	dome control problems continue...
0012-0020.FLAT	8	2:40	12:18:36.6	+31:31:27	300	90	3.0	#56 Spectropho	4	
0021-0030.BIAS	0	2:42	12:20:46.9	+31:31:27	300	90	3.0	#56 Spectropho	2	
0031-0051.FLAT	16	2:53	12:31:29.5	+31:31:27	300	90	3.0	#56 Spectropho	2	
0052.HD84937	10	3:28	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0053.HD84937	15	3:29	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0054.HD84937	15	3:30	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0055.HD84937	15	3:30	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0056.HD84937	15	3:31	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0057.COMP	10	3:32	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0058.N4151	30	3:34	12:10:32.6	+39:24:21	300	60	3.0	#6 AGN Monitor	2	
0059.N4151	30	3:35	12:10:32.6	+39:24:21	300	60	3.0	#6 AGN Monitor	2	
0060.N4151	60	3:36	12:10:32.6	+39:24:21	300	60	3.0	#6 AGN Monitor	2	
0061.N4151	60	3:37	12:10:32.6	+39:24:21	300	60	3.0	#6 AGN Monitor	2	
0062.COMP	10	3:38	12:10:32.6	+39:24:21	300	60	3.0	#6 AGN Monitor	2	
0063.N4051	150	3:42	12:03:09.7	+44:31:53	300	60	3.0	#6 AGN Monitor	2	
0064.N4051	150	3:45	12:03:09.7	+44:31:53	300	60	3.0	#6 AGN Monitor	2	
0065.COMP	10	3:48	12:03:09.7	+44:31:53	300	60	3.0	#6 AGN Monitor	2	
0066.N3227	150	3:51	10:23:30.6	+19:51:54	300	64	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0067.N3227	150	3:54	10:23:30.6	+19:51:54	300	64	3.0	#6 AGN Monitor	2	
0068.COMP	10	3:57	10:23:30.6	+19:51:54	300	64	3.0	#6 AGN Monitor	2	
0069.sn2005bf	1500	4:09	10:23:57.2	-03:11:28	300	50	3.0	#2 SN Observat	2	
0070.COMP	10	4:35	10:23:57.2	-03:11:28	300	50	3.0	#2 SN Observat	2	
0071.sn2005cc	1200	4:38	13:57:04.8	41:50:41	300	90	3.0	#2 SN Observat	2	
0072.COMP	10	4:58	13:57:04.8	41:50:41	300	90	3.0	#2 SN Observat	2	
0073.N5548	180	5:01	14:17:59.6	+25:08:12	300	36	3.0	#6 AGN Monitor	2	lots of dome runaways
0074.N5548	180	5:05	14:17:59.6	+25:08:12	300	36	3.0	#6 AGN Monitor	2	switch to manual control
0075.COMP	10	5:08	14:17:59.6	+25:08:12	300	36	3.0	#6 AGN Monitor	2	
0076.sn2005cf	900	5:10	15:21:32.2	-07:24:47	300	-7	3.0	#2 SN Observat	2	
0077.COMP	10	5:26	15:21:32.2	-07:24:47	300	-7	3.0	#2 SN Observat	2	
0078.HS1251+2636	1500	5:29	12:54:22.9	26:20:05	300	73	3.0	#147 Solutions	2	
0079.COMP	10	5:54	12:54:22.9	26:20:05	300	73	3.0	#147 Solutions	2	
0080.134836+38150	1800	5:57	13:50:50.6	+38:01:09	300	73	3.0	#84f Updated Z	2	H alpha em at pix 2110
0081.COMP	10	6:27	13:50:50.6	+38:01:09	300	73	3.0	#84f Updated Z	2	
0082.142500-00420	360	6:30	14:27:31.5	-00:55:21	300	90	3.0	#84f Updated Z	2	
0083.COMP	10	6:36	14:27:31.5	-00:55:21	300	90	3.0	#84f Updated Z	2	
0084.142542-01440	420	6:37	14:28:15.6	-01:58:59	300	90	3.0	#84f Updated Z	2	
0085.COMP	10	6:44	14:28:15.6	-01:58:59	300	90	3.0	#84f Updated Z	2	
0086.142224-02510EW	900	6:45	14:24:59.1	-03:04:02	300	90	3.0	#84f Updated Z	2	E gal at row 88, W gal at row 76

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0087.COMP	10	7:01	14:24:59.1	-03:04:02	300	90	3.0	#84f Updated Z	2	E was a previous redo
0088.HS1415+2701	1800	7:03	14:17:34.3	26:47:52	300	75	3.0	#147 Solutions	2	
0089.COMP	10	7:35	14:17:34.3	26:47:52	300	75	3.0	#147 Solutions	2	
0090.BDp332642	60	7:41	15:51:59.9	32:56:54	300	88	3.0	#56 Spectropho	2	dome died, not moving anymore
0091.BDp332642	120	7:43	15:51:59.9	32:56:54	300	88	3.0	#56 Spectropho	2	
0092.BDp332642	120	7:46	15:51:59.9	32:56:54	300	88	3.0	#56 Spectropho	2	
0093.COMP	10	7:48	15:51:59.9	32:56:54	300	88	3.0	#56 Spectropho	2	
0094-0103.BIAS	0	11:34	14:53:56.6	18:28:21	300	90	3.0	#84f Updated Z	4	
0104-0113.FLAT	8	11:37	14:53:56.6	18:28:21	300	90	3.0	#84f Updated Z	4	
0114-0123.BIAS	0	11:39	14:53:56.6	18:28:21	300	90	3.0	#84f Updated Z	2	
0124-0133.FLAT	16	11:44	14:53:56.6	18:28:21	300	90	3.0	#84f Updated Z	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	1:43	10:45:00	20:00:00	300	90	3.0	#84f Updated Z	4	
0011-0020.FLAT	8	1:46	10:45:00	20:00:00	300	90	3.0	#84f Updated Z	4	
0021-0030.BIAS	0	1:48	10:45:00	20:00:00	300	90	3.0	#84f Updated Z	2	
0031-0051.FLAT	16	1:59	10:45:00	20:00:00	300	90	3.0	#84f Updated Z	2	
0052.sky	3	2:43	12:25:00	32:00:00	300	90	3.0	#57 Velocity S	4	dome still has issues
0053-0056.sky	3	2:44	12:25:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.COMP	5	2:45	12:25:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0058.HD84937	15	3:21	09:48:54.8	13:45:13	300	59	3.0	#56 Spectropho	2	
0059.HD84937	15	3:21	09:48:54.8	13:45:13	300	59	3.0	#56 Spectropho	2	
0060.HD84937	15	3:22	09:48:54.8	13:45:13	300	59	3.0	#56 Spectropho	2	
0061.HD84937	15	3:22	09:48:54.8	13:45:13	300	59	3.0	#56 Spectropho	2	
0062.HD84937	15	3:23	09:48:54.8	13:45:13	300	59	3.0	#56 Spectropho	2	
0063.COMP	10	3:23	09:48:54.8	13:45:13	300	59	3.0	#56 Spectropho	2	
0064.Feige34	150	3:38	10:39:36.8	43:06:10	300	97	3.0	#56 Spectropho	2	
0065.Feige34	150	3:40	10:39:36.8	43:06:10	300	97	3.0	#56 Spectropho	2	
0066.COMP	10	3:43	10:39:36.8	43:06:10	300	97	3.0	#56 Spectropho	2	
0067.N4853	300	3:46	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	4	
0068.COMP	5	3:51	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	4	
0069.2M11300721-0522451	420	3:53	11:30:7.2	-05:22:45	300	90	3.0	#141 Mapping t	4	
0070.COMP	5	4:00	11:30:7.2	-05:22:45	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
0071.2M11321306-0535380	480	4:01	11:32:13.0	-05:35:38	300	90	3.0	#141 Mapping t	4	
0072.COMP	5	4:09	11:32:13.0	-05:35:38	300	90	3.0	#141 Mapping t	4	
0073.1318_07	480	4:11	11:36:55.6	55:08:08	300	90	3.0	#160 2MACS	4	
0074.COMP	5	4:19	11:36:55.6	55:08:08	300	90	3.0	#160 2MACS	4	
0075.1318_08	480	4:24	11:36:29.0	55:12:51	300	90	3.0	#160 2MACS	4	
0076.COMP	5	4:32	11:36:29.0	55:12:51	300	90	3.0	#160 2MACS	4	
0077.1318_09	360	4:34	11:38:40.0	55:15:35	300	90	3.0	#160 2MACS	4	
0078.COMP	5	4:40	11:38:40.0	55:15:35	300	90	3.0	#160 2MACS	4	
0079.1318_10	360	4:41	11:36:31.3	55:15:38	300	90	3.0	#160 2MACS	4	
0080.COMP	5	4:47	11:36:31.3	55:15:38	300	90	3.0	#160 2MACS	4	
0081.1318_11	660	4:49	11:34:28.9	55:20:10	300	90	3.0	#160 2MACS	4	
0082.COMP	5	5:00	11:34:28.9	55:20:10	300	90	3.0	#160 2MACS	4	
0083.1318_12	600	5:01	11:36:7.7	55:21:19	300	55	3.0	#160 2MACS	4	
0084.COMP	5	5:12	11:36:7.7	55:21:19	300	55	3.0	#160 2MACS	4	
0085.1377_01	480	5:14	11:45:43.1	55:16:51	300	90	3.0	#160 2MACS	4	
0086.COMP	5	5:23	11:45:43.1	55:16:51	300	90	3.0	#160 2MACS	4	
0087.1377_02	600	5:24	11:46:53.4	55:23:16	300	90	3.0	#160 2MACS	4	
0088.COMP	5	5:34	11:46:53.4	55:23:16	300	90	3.0	#160 2MACS	4	
0089.1377_03	330	5:35	11:45:33.0	55:24:00	300	90	3.0	#160 2MACS	4	
0090.COMP	5	5:41	11:45:33.0	55:24:00	300	90	3.0	#160 2MACS	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0091.sn2005cf	900	5:44	15:21:32.2	-07:24:47	300	6	3.0	#2 SN Observat	2	
0092.COMP	10	6:00	15:21:32.2	-07:24:47	300	6	3.0	#2 SN Observat	2	
0093.XS00578B2_009	20	6:03	14:10:12.1	+52:05:53	300	90	3.0	#129 Bright Ch	2	
0094.COMP	10	6:04	14:10:12.1	+52:05:53	300	90	3.0	#129 Bright Ch	2	
0095.XS02254B2_015	1200	6:05	14:10:30.8	+52:07:35	300	90	3.0	#129 Bright Ch	2	
0096.COMP	10	6:25	14:10:30.8	+52:07:35	300	90	3.0	#129 Bright Ch	2	
0097.XS00930B7_002	1200	6:27	14:15:46.2	+11:29:43	300	90	3.0	#129 Bright Ch	2	nice BAL qso
0098.COMP	10	6:47	14:15:46.2	+11:29:43	300	90	3.0	#129 Bright Ch	2	
0099.1913_29	540	6:52	14:25:23.8	16:45:17	300	90	3.0	#160 2MACS	4	
0100.COMP	5	7:01	14:25:23.8	16:45:17	300	90	3.0	#160 2MACS	4	
0101.1913_30	270	7:02	14:26:23.2	16:47:57	300	90	3.0	#160 2MACS	4	
0102.COMP	5	7:06	14:26:23.2	16:47:57	300	90	3.0	#160 2MACS	4	
0103.1913_31	270	7:07	14:26:29.4	16:49:04	300	90	3.0	#160 2MACS	4	
0104.COMP	5	7:12	14:26:29.4	16:49:04	300	90	3.0	#160 2MACS	4	
0105.1913_32	600	7:13	14:27:25.5	16:49:20	300	90	3.0	#160 2MACS	4	
0106.COMP	5	7:23	14:27:25.5	16:49:20	300	90	3.0	#160 2MACS	4	
0107.1913_33	660	7:24	14:27:53.7	16:49:40	300	90	3.0	#160 2MACS	4	
0108.COMP	5	7:35	14:27:53.7	16:49:40	300	90	3.0	#160 2MACS	4	
0109.1913_34	600	7:36	14:26:29.1	16:51:23	300	90	3.0	#160 2MACS	4	
0110.COMP	5	7:46	14:26:29.1	16:51:23	300	90	3.0	#160 2MACS	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0111.1913_35	330	7:46	14:26:8.4	16:54:12	300	90	3.0	#160 2MACS	4	
0112.COMP	5	7:52	14:26:8.4	16:54:12	300	90	3.0	#160 2MACS	4	
0113.1913_36	390	7:53	14:26:20.7	16:56:58	300	90	3.0	#160 2MACS	4	
0114.COMP	5	8:00	14:26:20.7	16:56:58	300	90	3.0	#160 2MACS	4	
0115.1913_37	390	8:01	14:26:4.0	17:09:25	300	90	3.0	#160 2MACS	4	
0116.COMP	5	8:07	14:26:4.0	17:09:25	300	90	3.0	#160 2MACS	4	
0117.XS00326B2_004	240	8:09	15:49:05.0	+21:33:17	300	90	3.0	#129 Bright Ch	2	
0118.COMP	10	8:14	15:49:05.0	+21:33:17	300	90	3.0	#129 Bright Ch	2	
0119.XS02127B7_001	1800	8:17	16:08:36.8	+65:51:20	300	90	3.0	#129 Bright Ch	2	
0120.COMP	10	8:48	16:08:36.8	+65:51:20	300	90	3.0	#129 Bright Ch	2	
0121.XS02127B5_001	1500	8:49	16:10:09.3	+65:58:05	300	90	3.0	#129 Bright Ch	2	
0122.COMP	10	9:14	16:10:09.3	+65:58:05	300	90	3.0	#129 Bright Ch	2	
0123.3626	1800	9:17	19:20:38.8	+37:49:04	300	90	3.0	# 162 NGC6791	2	target just above middle at row 84
0124.COMP	10	9:48	19:20:38.8	+37:49:04	300	90	3.0	# 162 NGC6791	2	
0125.6371	1200	9:50	19:20:47.8	+37:46:37	300	90	3.0	# 162 NGC6791	2	
0126.COMP	10	10:10	19:20:47.8	+37:46:37	300	90	3.0	# 162 NGC6791	2	
0127.3886	900	10:12	19:20:39.8	+37:43:54	300	90	3.0	# 162 NGC6791	2	
0128.COMP	10	10:28	19:20:39.8	+37:43:54	300	90	3.0	# 162 NGC6791	2	
0129.4571	600	10:29	19:20:42.2	+37:45:55	300	90	3.0	# 162 NGC6791	2	
0130.COMP	10	10:39	19:20:42.2	+37:45:55	300	90	3.0	# 162 NGC6791	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0131.7328	240	10:40	19:20:50.7	+37:46:33	300	90	3.0	# 162 NGC6791	2	
0132.COMP	10	10:45	19:20:50.7	+37:46:33	300	90	3.0	# 162 NGC6791	2	
0133.PUVu1	10	10:46	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0134.PUVu1	3	10:47	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0135.PUVu1	30	10:47	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0136.PUVu1	120	10:48	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0137.COMP	5	10:51	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0138.HD192281	5	10:52	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0139.HD192281	5	10:53	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0140.HD192281	5	10:53	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0141.COMP	10	10:53	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0142.BDp284211	120	10:54	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0143.BDp284211	120	10:57	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0144.COMP	10	11:00	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0145.N7331	180	11:03	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0146.COMP	5	11:06	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0147-0156.BIAS	0	11:10	22:34:46.9	+34:09:43	300	90	3.0	# 162 NGC6791	4	
0157-0166.FLAT	8	11:13	22:34:46.9	+34:09:43	300	90	3.0	# 162 NGC6791	4	
0167-0176.BIAS	0	11:15	22:34:46.9	+34:09:43	300	90	3.0	# 162 NGC6791	2	
0177-0186.FLAT	16	11:20	22:34:46.9	+34:09:43	300	90	3.0	# 162 NGC6791	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>
0187-0196.DARK	900	13:47	22:34:46.9	+34:09:43	300	90	3.0	# 162 NGC6791	4	
0197-0206.DARK	900	16:19	22:34:46.9	+34:09:43	300	90	3.0	# 162 NGC6791	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	2:21	12:07:28.2	+31:31:30	300	90	3.0	# 162 NGC6791	4	
0011-0020.FLAT	8	2:24	12:10:52.2	+31:31:30	300	90	3.0	# 162 NGC6791	4	
0021-0030.BIAS	0	2:27	12:13:02.7	+31:31:30	300	90	3.0	# 162 NGC6791	2	
0031-0039.FLAT	16	2:31	12:17:44.5	+31:31:30	300	90	3.0	# 162 NGC6791	2	
0040-0041.FLAT	16	2:32	12:18:45.2	+31:31:31	300	90	3.0	# 162 NGC6791	2	
0042-0043.FLAT	16	2:33	12:19:46.0	+31:31:30	300	90	3.0	# 162 NGC6791	2	
0044-0048.FLAT	16	2:36	12:21:54.9	+31:31:31	300	90	3.0	# 162 NGC6791	2	
0049.FLAT	16	2:36	12:22:20	00:31:28	300	90	3.0	# 162 NGC6791	2	
0050-0051.FLAT	16	2:37	12:24:55	32:00:00	300	90	3.0	# 162 NGC6791	2	
0052-0056.sky	3	2:44	12:30:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.COMP	5	2:45	12:30:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0058.HD84937	15	3:19	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0059.HD84937	15	3:20	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0060.HD84937	15	3:20	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0061.HD84937	15	3:20	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0062.HD84937	15	3:21	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0063.COMP	10	3:22	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0064.N4151	30	3:24	12:10:32.6	+39:24:21	300	110	3.0	#6 AGN Monitor	2	
0065.N4151	30	3:24	12:10:32.6	+39:24:21	300	110	3.0	#6 AGN Monitor	2	
0066.N4151	90	3:25	12:10:32.6	+39:24:21	300	110	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0067.COMP	10	3:27	12:10:32.6	+39:24:21	300	110	3.0	#6 AGN Monitor	2	
0068.N4051	150	3:28	12:03:09.7	+44:31:53	300	110	3.0	#6 AGN Monitor	2	
0069.N4051	150	3:31	12:03:09.7	+44:31:53	300	110	3.0	#6 AGN Monitor	2	
0070.COMP	10	3:34	12:03:09.7	+44:31:53	300	110	3.0	#6 AGN Monitor	2	
0071.N5548	180	3:35	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	2	
0072.N5548	180	3:38	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	2	
0073.COMP	10	3:42	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	2	
0074.Feige34	150	3:43	10:39:36.8	43:06:10	300	94	3.0	#56 Spectropho	2	
0075.Feige34	150	3:46	10:39:36.8	43:06:10	300	94	3.0	#56 Spectropho	2	
0076.COMP	10	3:49	10:39:36.8	43:06:10	300	94	3.0	#56 Spectropho	2	
0077.N3227	150	3:50	10:23:30.6	+19:51:54	300	66	3.0	#6 AGN Monitor	2	
0078.N3227	150	3:52	10:23:30.6	+19:51:54	300	66	3.0	#6 AGN Monitor	2	
0079.COMP	10	3:55	10:23:30.6	+19:51:54	300	66	3.0	#6 AGN Monitor	2	
0080.sn2004gt	1500	3:59	12:01:50.3	-18:52:12	300	30	3.0	#2 SN Observat	2	
0081.COMP	10	4:25	12:01:50.3	-18:52:12	300	30	3.0	#2 SN Observat	2	
0082.com9PTempel	360	4:26	13:02:33	00:17:45	300	30	3.0	#99 Other	2	posterity
0083.COMP	10	4:33	13:02:33	00:17:45	300	30	3.0	#99 Other	2	
0084.sn2005az	1500	4:35	13:05:46.9	+27:44:08	300	75	3.0	#2 SN Observat	2	
0085.COMP	10	5:01	13:05:46.9	+27:44:08	300	75	3.0	#2 SN Observat	2	
0086.1318_13	330	5:06	11:35:58	55:22:51	300	90	3.0	#160 2MACS	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0087.COMP	5	5:12	11:35:58	55:22:51	300	90	3.0	#160 2MACS	4	
0088.1383_16	420	5:14	11:47:36.5	54:45:04	300	90	3.0	#160 2MACS	4	
0089.COMP	5	5:22	11:47:36.5	54:45:04	300	90	3.0	#160 2MACS	4	
0090.1377_05	360	5:23	11:48:12.1	55:32:04	300	90	3.0	#160 2MACS	4	
0091.COMP	5	5:29	11:48:12.1	55:32:04	300	90	3.0	#160 2MACS	4	
0092.1377_06	330	5:30	11:48:49.2	55:32:19	300	90	3.0	#160 2MACS	2	
0093.COMP	10	5:36	11:48:49.2	55:32:19	300	90	3.0	#160 2MACS	2	
0094.1377_07	540	5:37	11:44:29.8	55:34:40	300	90	3.0	#160 2MACS	4	
0095.COMP	5	5:46	11:44:29.8	55:34:40	300	90	3.0	#160 2MACS	4	
0096.1377_08	600	5:47	11:48:2.1	55:35:19	300	90	3.0	#160 2MACS	4	
0097.COMP	5	5:57	11:48:2.1	55:35:19	300	90	3.0	#160 2MACS	4	
0098.1377_09	480	5:58	11:44:26.4	55:37:53	300	90	3.0	#160 2MACS	4	
0099.COMP	5	6:06	11:44:26.4	55:37:53	300	90	3.0	#160 2MACS	4	
0100.1377_10	480	6:07	11:47:6.5	55:44:26	300	90	3.0	#160 2MACS	4	
0101.COMP	5	6:15	11:47:6.5	55:44:26	300	90	3.0	#160 2MACS	4	
0102.sn2005cf	900	6:18	15:21:32.2	-07:24:47	300	17	3.0	#2 SN Observat	2	
0103.COMP	10	6:33	15:21:32.2	-07:24:47	300	17	3.0	#2 SN Observat	2	
0104.1749_02	1800	6:37	13:31:6.9	37:14:58	300	90	3.0	#160 2MACS	2	ok
0105.COMP	10	7:08	13:31:6.9	37:14:58	300	90	3.0	#160 2MACS	2	
0106.2M16212073-0954414	330	7:09	16:21:20.7	-09:54:41	300	90	3.0	#141 Mapping t	4	

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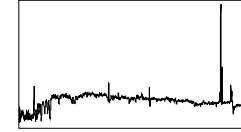
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0107.COMP	5	7:15	16:21:20.7	-09:54:41	300	90	3.0	#141 Mapping t	4	
0108.2M16222858-0810045	360	7:16	16:22:28.5	-08:10:4	300	90	3.0	#141 Mapping t	4	
0109.COMP	5	7:22	16:22:28.5	-08:10:4	300	90	3.0	#141 Mapping t	4	
0110.2M16251603-0945204	600	7:23	16:25:16.0	-09:45:20	300	90	3.0	#141 Mapping t	4	
0111.COMP	5	7:33	16:25:16.0	-09:45:20	300	90	3.0	#141 Mapping t	4	
0112.2M16255826-0819283	420	7:34	16:25:58.2	-08:19:28	300	90	3.0	#141 Mapping t	4	
0113.COMP	5	7:41	16:25:58.2	-08:19:28	300	90	3.0	#141 Mapping t	4	
0114.2M16280274-0637112	720	7:42	16:28:2.7	-06:37:11	300	90	3.0	#141 Mapping t	4	
0115.COMP	5	7:54	16:28:2.7	-06:37:11	300	90	3.0	#141 Mapping t	4	
0116.2M16450885-0732103	480	7:55	16:45:8.8	-07:32:10	300	90	3.0	#141 Mapping t	4	
0117.COMP	5	8:03	16:45:8.8	-07:32:10	300	90	3.0	#141 Mapping t	4	
0118.2M16491955-0709309	300	8:04	16:49:19.5	-07:09:30	300	90	3.0	#141 Mapping t	4	
0119.COMP	5	8:09	16:49:19.5	-07:09:30	300	90	3.0	#141 Mapping t	4	
0120.2M16460042-0015598	240	8:10	16:46:0.4	-00:15:59	300	90	3.0	#141 Mapping t	4	
0121.COMP	5	8:15	16:46:0.4	-00:15:59	300	90	3.0	#141 Mapping t	4	
0122.2M16510572-0127478	540	8:15	16:51:5.7	-01:27:47	300	90	3.0	#141 Mapping t	4	
0123.COMP	5	8:24	16:51:5.7	-01:27:47	300	90	3.0	#141 Mapping t	4	
0124.2M16510578-0129258	480	8:25	16:51:5.7	-01:29:25	300	90	3.0	#141 Mapping t	2	target is the brighter gal
0125.COMP	10	8:34	16:51:5.7	-01:29:25	300	90	3.0	#141 Mapping t	2	
0126.2M16545625-0809385	390	8:35	16:54:56.2	-08:09:38	300	90	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0127.COMP	10	8:41	16:54:56.2	-08:09:38	300	90	3.0	#141 Mapping t	2	
0128.2M16030065+7736230	900	8:45	16:03:0.6	+77:36:23	300	90	3.0	#141 Mapping t	4	
0129.COMP	5	9:00	16:03:0.6	+77:36:23	300	90	3.0	#141 Mapping t	4	
0130.2M16542680+7833414	360	9:01	16:54:26.8	+78:33:41	300	90	3.0	#141 Mapping t	4	
0131.COMP	5	9:08	16:54:26.8	+78:33:41	300	90	3.0	#141 Mapping t	4	
0132.2M18074537+6943054	720	9:08	18:07:45.3	+69:43:5	300	90	3.0	#141 Mapping t	4	
0133.COMP	5	9:21	18:07:45.3	+69:43:5	300	90	3.0	#141 Mapping t	4	
0134.XS02221B7_027	1500	9:22	17:13:06.8	+50:12:11	300	90	3.0	#129 Bright Ch	2	
0135.COMP	10	9:48	17:13:06.8	+50:12:11	300	90	3.0	#129 Bright Ch	2	
0136.XS02221B7_018	1500	9:49	17:13:40.9	+50:17:49	300	90	3.0	#129 Bright Ch	2	
0137.COMP	10	10:14	17:13:40.9	+50:17:49	300	90	3.0	#129 Bright Ch	2	
0138.XS02221B2_003	90	10:15	17:13:51.3	+50:17:03	300	90	3.0	#129 Bright Ch	2	
0139.COMP	10	10:17	17:13:51.3	+50:17:03	300	90	3.0	#129 Bright Ch	2	
0140.XS02221B7_021	90	10:18	17:14:01.6	+50:07:53	300	90	3.0	#129 Bright Ch	2	
0141.COMP	10	10:20	17:14:01.6	+50:07:53	300	90	3.0	#129 Bright Ch	2	
0142.XS02221B7_019	1200	10:21	17:14:11.4	+50:21:06	300	90	3.0	#129 Bright Ch	2	
0143.COMP	10	10:42	17:14:11.4	+50:21:06	300	90	3.0	#129 Bright Ch	2	
0144.XS00841B5_002	900	10:43	17:14:16.9	+50:18:26	300	90	3.0	#129 Bright Ch	2	
0145.COMP	10	10:58	17:14:16.9	+50:18:26	300	90	3.0	#129 Bright Ch	2	
0146.BDp284211	120	11:00	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0147.BDp284211	120	11:02	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0148.COMP	10	11:04	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0149.N7331	180	11:05	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0150.COMP	5	11:09	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0151.HD192281	5	11:10	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0152.HD192281	5	11:10	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0153.HD192281	5	11:10	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0154.COMP	10	11:11	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0155-0164.BIAS	0	11:13	20:12:33.1	40:16:05	300	90	3.0	#141 Mapping t	4	
0165-0174.FLAT	8	11:17	20:12:33.1	40:16:05	300	90	3.0	#141 Mapping t	4	
0175-0184.BIAS	0	11:19	20:12:33.1	40:16:05	300	90	3.0	#141 Mapping t	2	
0185-0194.FLAT	16	11:24	20:12:33.1	40:16:05	300	90	3.0	#141 Mapping t	2	
0195.DARK	900	11:34	21:36:27.4	+31:28:42	300	90	3.0	#141 Mapping t	4	
0196.DARK	900	11:49	21:51:39.0	+31:28:38	300	90	3.0	#141 Mapping t	4	
0197.DARK	900	12:04	22:06:53.7	+31:28:34	300	90	3.0	#141 Mapping t	4	
0198.DARK	900	12:19	22:22:05.3	+31:28:30	300	90	3.0	#141 Mapping t	4	
0199.DARK	900	12:34	22:37:16.6	+31:28:27	300	90	3.0	#141 Mapping t	4	
0200.DARK	900	12:49	22:52:31.6	+31:28:25	300	90	3.0	#141 Mapping t	4	
0201.DARK	900	13:05	23:07:43.1	+31:28:22	300	90	3.0	#141 Mapping t	4	
0202.DARK	900	13:20	23:22:54.6	+31:28:21	300	90	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>
0203.DARK	900	13:35	23:38:06.1	+31:28:19	300	90	3.0	#141 Mapping t	4	
0204.DARK	900	13:50	23:53:17.7	+31:28:18	300	90	3.0	#141 Mapping t	4	
0205-0207.DARK	900	14:36	00:39:08.1	+31:28:17	300	90	3.0	#141 Mapping t	2	
0208.DARK	900	14:51	00:54:24.2	+31:28:18	300	90	3.0	#141 Mapping t	2	
0209.DARK	900	15:06	01:09:43.7	+31:28:19	300	90	3.0	#141 Mapping t	2	
0210.DARK	900	15:21	01:24:59.5	+31:28:21	300	90	3.0	#141 Mapping t	2	
0211.DARK	900	15:37	01:40:19.0	+31:28:23	300	90	3.0	#141 Mapping t	2	
0212.DARK	900	15:52	01:55:34.8	+31:28:25	300	90	3.0	#141 Mapping t	2	
0213.DARK	900	16:07	02:10:50.9	+31:28:28	300	90	3.0	#141 Mapping t	2	
0214.DARK	900	16:22	02:26:10.5	+31:28:31	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
0001-0002.DARK	900	2:05	12:10:18.2	+31:31:30	300	90	3.0	#141 Mapping t	4	
0003.DARK	900	2:20	12:25:25.8	+31:31:31	300	90	3.0	#141 Mapping t	4	
0004-0005.DARK	900	2:50	12:55:44.5	+31:31:30	300	90	3.0	#141 Mapping t	4	
0006-0015.BIAS	0	3:12	13:02:32.1	+31:31:29	300	90	3.0	#141 Mapping t	4	
0016-0025.FLAT	6	3:17	13:07:44.7	+31:31:29	300	90	3.0	#141 Mapping t	4	
0026-0029.BIAS	0	3:20	13:10:08.0	+31:31:29	300	90	3.0	#141 Mapping t	2	
0030-0035.BIAS	0	3:21	13:11:22.2	+31:31:28	300	90	3.0	#141 Mapping t	2	
0036-0045.FLAT	12	3:27	13:17:52.3	+31:31:28	300	90	3.0	#141 Mapping t	2	
0046.Feige34	120	3:54	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0047.COMP	5	3:56	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0048.Feige34	120	3:58	10:39:36.8	43:06:10	300	93	3.0	#56 Spectropho	2	
0049.COMP	12	4:00	10:39:36.8	43:06:10	300	93	3.0	#56 Spectropho	2	
0050.sn2005bf	1500	4:06	10:23:57.2	-03:11:28	300	51	3.0	#2 SN Observat	2	
0051.COMP	12	4:32	10:23:57.2	-03:11:28	300	51	3.0	#2 SN Observat	2	
0052.N3227	150	4:34	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0053.N3227	150	4:37	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0054.COMP	12	4:40	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0055.MRK421	300	4:44	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0056.MRK421	300	4:49	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0057.MRK421	300	4:54	11:04:27.4	+38:12:32	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
0058.COMP	12	4:59	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0059.N4051	150	5:01	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0060.N4051	150	5:03	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0061.COMP	12	5:06	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0062.N5548	150	5:08	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0063.N5548	150	5:11	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0064.N5548	150	5:13	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0065.COMP	12	5:17	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0066.HS1417+4722	1800	5:19	14:19:51.8	47:09:00	300	90	3.0	AGN Solutions	2	
0067.COMP	12	5:50	14:19:51.8	47:09:00	300	90	3.0	AGN Solutions	2	
0068.HS1422+4224	1800	5:53	14:24:36.0	42:10:30	300	110	3.0	AGN Solutions	2	
0069.COMP	12	6:23	14:24:36.0	42:10:30	300	110	3.0	AGN Solutions	2	
0070.sn2005ch	1200	6:27	14:22:06.7	01:59:35	300	39	3.0	#2 SN Observat	2	
0071.COMP	12	6:48	14:22:06.7	01:59:35	300	39	3.0	#2 SN Observat	2	
0072.XS00578B7_003	1800	6:51	14:11:20.5	+52:12:10	300	90	3.0	#129 Bright Ch	2	should
0073.COMP	12	7:21	14:11:20.5	+52:12:10	300	90	3.0	#129 Bright Ch	2	
0074.sn2005cf	900	7:54	15:21:32.2	-07:24:47	300	36	3.0	#2 SN Observat	2	
0075.COMP	12	8:09	15:21:32.2	-07:24:47	300	36	3.0	#2 SN Observat	2	
0076.XS01899B7_002	180	8:13	18:07:28.9	+45:54:19	300	90	3.0	#129 Bright Ch	2	
0077.COMP	12	8:16	18:07:28.9	+45:54:19	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
0078.XS01899B7_018	210	8:18	18:07:30.3	+45:51:32	300	90	3.0	#129 Bright Ch	2	
0079.COMP	12	8:22	18:07:30.3	+45:51:32	300	90	3.0	#129 Bright Ch	2	
0080.XS01899B7_016	300	8:23	18:07:33.5	+45:49:33	300	90	3.0	#129 Bright Ch	2	
0081.COMP	12	8:28	18:07:33.5	+45:49:33	300	90	3.0	#129 Bright Ch	2	
0082.XS02503B7_015	900	8:29	18:07:37.3	+45:56:56	300	90	3.0	#129 Bright Ch	2	
0083.COMP	12	8:45	18:07:37.3	+45:56:56	300	90	3.0	#129 Bright Ch	2	
0084.2M16560989-0037126	660	8:47	16:56:9.8	-00:37:12	300	90	3.0	#141 Mapping t	2	
0085.COMP	12	8:59	16:56:9.8	-00:37:12	300	90	3.0	#141 Mapping t	2	
0086.2M16564688-0142052	360	9:00	16:56:46.8	-01:42:5	300	100	3.0	#141 Mapping t	2	
0087.COMP	12	9:06	16:56:46.8	-01:42:5	300	100	3.0	#141 Mapping t	2	
0088.2M16572382-0147498	360	9:08	16:57:23.8	-01:47:49	300	90	3.0	#141 Mapping t	2	
0089.COMP	12	9:15	16:57:23.8	-01:47:49	300	90	3.0	#141 Mapping t	2	
0090.2M16585495-0150057	360	9:16	16:58:54.9	-01:50:5	300	90	3.0	#141 Mapping t	2	
0091.COMP	12	9:22	16:58:54.9	-01:50:5	300	90	3.0	#141 Mapping t	2	
0092.2M16591729-0204281	480	9:23	16:59:17.2	-02:04:28	300	90	3.0	#141 Mapping t	2	rotation curve
0093.COMP	12	9:32	16:59:17.2	-02:04:28	300	90	3.0	#141 Mapping t	2	
0094.2M17001314-0940040	1500	9:33	17:00:13.1	-09:40:4	300	90	3.0	#141 Mapping t	2	
0095.COMP	12	9:59	17:00:13.1	-09:40:4	300	90	3.0	#141 Mapping t	2	
0096.7011	1500	10:03	19:20:49.8	+37:45:50	300	110	3.0	# 162 NGC6791	2	row=75
0097.COMP	12	10:28	19:20:49.8	+37:45:50	300	110	3.0	# 162 NGC6791	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0098.7878	360	10:31	19:20:52.3	+37:45:50	300	90	3.0	# 162 NGC6791	2	
0099.COMP	12	10:38	19:20:52.3	+37:45:50	300	90	3.0	# 162 NGC6791	2	
0100.10050	1020	10:39	19:20:58.5	+37:50:08	300	90	3.0	# 162 NGC6791	2	row=74
0101.COMP	12	10:57	19:20:58.5	+37:50:08	300	90	3.0	# 162 NGC6791	2	
0102.Akn564	180	10:59	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0103.Akn564	180	11:02	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0104.COMP	12	11:05	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0105.N7469	120	11:07	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0106.N7469	120	11:09	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0107.COMP	12	11:12	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0108.HD192281	5	11:16	20:12:33.1	40:16:05	300	-40	3.0	#56 Spectropho	2	
0109.HD192281	5	11:16	20:12:33.1	40:16:05	300	-40	3.0	#56 Spectropho	2	
0110.HD192281	5	11:17	20:12:33.1	40:16:05	300	-40	3.0	#56 Spectropho	2	
0111.COMP	12	11:17	20:12:33.1	40:16:05	300	-40	3.0	#56 Spectropho	2	
0112-0121.BIAS	0	11:22	20:12:33.1	40:16:05	300	90	3.0	AGN Solutions	4	
0122-0131.FLAT	6	11:25	20:12:33.1	40:16:05	300	90	3.0	AGN Solutions	4	
0132-0141.BIAS	0	11:29	20:12:33.1	40:16:05	300	90	3.0	AGN Solutions	2	
0142-0151.FLAT	12	11:41	20:12:33.1	40:16:05	300	90	3.0	AGN Solutions	2	
0152-0161.DARK	900	13:59	20:12:33.1	40:16:05	300	90	3.0	AGN Solutions	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	1:57	20:12:33.1	40:16:05	300	90	3.0	AGN Solutions	4	
0011-0020.BIAS	0	2:13	20:12:33.1	40:16:05	300	90	3.0	AGN Solutions	4	
0021-0030.FLAT	6	2:19	20:12:33.1	40:16:05	300	90	3.0	AGN Solutions	4	
0031-0040.BIAS	0	2:30	20:12:33.1	40:16:05	300	90	3.0	AGN Solutions	2	
0041-0050.FLAT	12	2:35	20:12:33.1	40:16:05	300	90	3.0	AGN Solutions	2	
0051-0055.sky	2	2:39	20:12:33.1	40:16:05	300	90	3.0	#57 Veloicity	2	
0056.COMP	12	2:40	20:12:33.1	40:16:05	300	90	3.0	#57 Veloicity	2	
0057.Feige34	120	3:16	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0058.Feige34	120	3:18	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0059.COMP	5	3:20	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0060.Feige34	120	3:21	10:39:36.8	43:06:10	300	98	3.0	#56 Spectropho	2	
0061.Feige34	120	3:24	10:39:36.8	43:06:10	300	98	3.0	#56 Spectropho	2	
0062.COMP	12	3:26	10:39:36.8	43:06:10	300	98	3.0	#56 Spectropho	2	
0063.HD84937	10	3:28	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0064.HD84937	10	3:29	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0065.HD84937	10	3:29	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0066.COMP	12	3:30	09:48:54.8	13:45:13	300	60	3.0	#56 Spectropho	2	
0067.N3227	150	3:31	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0068.N3227	150	3:34	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0069.COMP	12	3:37	10:23:30.6	+19:51:54	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
0070.N4051	150	3:38	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0071.N4051	150	3:41	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0072.COMP	12	3:44	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0073.1377_11	1200	3:45	11:45:45.2	55:48:00	300	90	3.0	#160 2MACS	2	
0074.COMP	12	4:06	11:45:45.2	55:48:00	300	90	3.0	#160 2MACS	2	
0075.1377_12	900	4:07	11:48:19.3	55:48:50	300	90	3.0	#160 2MACS	2	
0076.COMP	12	4:22	11:48:19.3	55:48:50	300	90	3.0	#160 2MACS	2	
0077.1377_13	1020	4:23	11:43:28.1	55:49:51	300	90	3.0	#160 2MACS	2	
0078.COMP	12	4:41	11:43:28.1	55:49:51	300	90	3.0	#160 2MACS	2	
0079.1377_14	900	4:42	11:47:10.0	55:51:11	300	90	3.0	#160 2MACS	2	
0080.COMP	12	4:57	11:47:10.0	55:51:11	300	90	3.0	#160 2MACS	2	
0081.1377_15	1200	4:58	11:48:8.1	55:54:01	300	90	3.0	#160 2MACS	2	
0082.COMP	12	5:19	11:48:8.1	55:54:01	300	90	3.0	#160 2MACS	2	
0083.1377_16	1200	5:19	11:48:42.1	55:54:05	300	90	3.0	#160 2MACS	2	
0084.COMP	12	5:40	11:48:42.1	55:54:05	300	90	3.0	#160 2MACS	2	
0085.1377_19	660	5:44	11:47:19.6	56:02:11	300	90	3.0	#160 2MACS	2	
0086.COMP	12	5:55	11:47:19.6	56:02:11	300	90	3.0	#160 2MACS	2	
0087.sn2004gk	1200	5:58	12:25:33.2	+12:15:39	300	59	3.0	#2 SN Observat	2	
0088.COMP	12	6:18	12:25:33.2	+12:15:39	300	59	3.0	#2 SN Observat	2	
0089.sn2005by	1800	6:24	13:45:46.9	+22:05:46	300	66	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0090.COMP	12	6:54	13:45:46.9	+22:05:46	300	66	3.0	#2 SN Observat	2	
0091.sn05_n5682	1500	6:58	14:34:44.8	48:40:19	300	110	3.0	#2 SN Observat	2	
0092.COMP	12	7:24	14:34:44.8	48:40:19	300	110	3.0	#2 SN Observat	2	
0093.sn2005cf	600	7:27	15:21:32.2	-07:24:47	300	34	3.0	#2 SN Observat	2	
0094.COMP	12	7:38	15:21:32.2	-07:24:47	300	34	3.0	#2 SN Observat	2	
0095.1991_04	900	7:40	14:53:56.6	18:28:21	300	90	3.0	#160 2MACS	4	row=36
0096.COMP	5	7:56	14:53:56.6	18:28:21	300	90	3.0	#160 2MACS	4	
0097.1991_05	1020	7:57	14:54:43.3	18:28:22	300	90	3.0	#160 2MACS	4	
0098.COMP	5	8:15	14:54:43.3	18:28:22	300	90	3.0	#160 2MACS	4	
0099.1991_06	840	8:16	14:53:59.1	18:28:35	300	90	3.0	#160 2MACS	4	
0100.COMP	5	8:31	14:53:59.1	18:28:35	300	90	3.0	#160 2MACS	4	
0101.1991_07	480	8:32	14:53:24.2	18:29:29	300	90	3.0	#160 2MACS	4	
0102.COMP	5	8:40	14:53:24.2	18:29:29	300	90	3.0	#160 2MACS	4	
0103.1991_08	900	8:41	14:53:46.1	18:33:09	300	90	3.0	#160 2MACS	4	
0104.COMP	5	8:56	14:53:46.1	18:33:09	300	90	3.0	#160 2MACS	4	
0105.1991_09	840	8:57	14:53:45.0	18:34:06	300	90	3.0	#160 2MACS	4	
0106.COMP	5	9:12	14:53:45.0	18:34:06	300	90	3.0	#160 2MACS	4	
0107.1991_10	1200	9:13	14:54:9.2	18:37:07	300	90	3.0	#160 2MACS	4	
0108.COMP	5	9:34	14:54:9.2	18:37:07	300	90	3.0	#160 2MACS	4	
0109.10088	180	9:37	19:20:58.6	+37:47:40	300	90	3.0	# 162 NGC6791	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0110.COMP	12	9:40	19:20:58.6	+37:47:40	300	90	3.0	# 162 NGC6791	2	
0111.10690	1200	9:41	19:21:00.5	+37:54:34	300	90	3.0	# 162 NGC6791	2	
0112.COMP	12	10:02	19:21:00.5	+37:54:34	300	90	3.0	# 162 NGC6791	2	
0113.11335	420	10:05	19:21:02.5	+37:43:59	300	80	3.0	# 162 NGC6791	2	
0114.COMP	12	10:12	19:21:02.5	+37:43:59	300	80	3.0	# 162 NGC6791	2	
0115.11365	480	10:15	19:21:02.6	+37:48:48	300	90	3.0	# 162 NGC6791	2	
0116.COMP	12	10:23	19:21:02.6	+37:48:48	300	90	3.0	# 162 NGC6791	2	
0117.12037	480	10:25	19:21:05.1	+37:45:38	300	90	3.0	# 162 NGC6791	2	
0118.COMP	12	10:33	19:21:05.1	+37:45:38	300	90	3.0	# 162 NGC6791	2	
0119.2399_01	1020	10:36	21:56:24.5	-08:12:00	300	90	3.0	#160 2MACS	2	
0120.COMP	12	10:53	21:56:24.5	-08:12:00	300	90	3.0	#160 2MACS	2	
0121.2399_02	780	10:54	21:58:6.6	-08:06:43	300	90	3.0	#160 2MACS	2	
0122.COMP	12	11:08	21:58:6.6	-08:06:43	300	90	3.0	#160 2MACS	2	
0123.ZAnd	2	11:12	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0124.ZAnd	10	11:12	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0125.ZAnd	60	11:12	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0126.COMP	12	11:14	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0127.M31	60	11:15	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0128.COMP	12	11:17	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0129.BDp174708	60	11:18	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	



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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0130.COMP	12	11:20	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0131-0140.BIAS	0	11:26	22:11:31.4	18:05:33	300	90	3.0	#160 2MACS	4	
0141-0150.FLAT	6	11:31	22:11:31.4	18:05:33	300	90	3.0	#160 2MACS	4	
0151-0160.BIAS	0	11:34	22:11:31.4	18:05:33	300	90	3.0	#160 2MACS	2	
0161-0170.FLAT	12	11:39	22:11:31.4	18:05:33	300	90	3.0	#160 2MACS	2	
0171-0180.DARK	900	14:08	22:11:31.4	18:05:33	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.DARK	900	2:01	22:11:31.4	18:05:33	300	90	3.0	#160 2MACS	4	
0011-0020.BIAS	0	2:21	22:11:31.4	18:05:33	300	90	3.0	#160 2MACS	4	
0021-0030.FLAT	6	2:50	22:11:31.4	18:05:33	300	90	3.0	#160 2MACS	4	
0031-0040.BIAS	0	2:53	22:11:31.4	18:05:33	300	90	3.0	#160 2MACS	2	
0041-0060.FLAT	12	3:01	22:11:31.4	18:05:33	300	90	3.0	#160 2MACS	2	
0061.BDp332642	70	7:36	15:51:59.9	32:56:54	300	86	3.0	#56 Spectropho	2	
0062.BDp332642	70	7:37	15:51:59.9	32:56:54	300	86	3.0	#56 Spectropho	2	
0063.COMP	12	7:39	15:51:59.9	32:56:54	300	86	3.0	#56 Spectropho	2	
0064.sn05_n5682	1800	7:57	14:34:44.8	48:40:19	300	99	3.0	#2 SN Observat	2	through clouds
0065.COMP	12	8:28	14:34:44.8	48:40:19	300	99	3.0	#2 SN Observat	2	
0066.sn2005cf	780	8:31	15:21:32.2	-07:24:47	300	46	3.0	#2 SN Observat	2	
0067.COMP	12	8:44	15:21:32.2	-07:24:47	300	46	3.0	#2 SN Observat	2	
0068.sn2005cc	1500	8:49	13:57:04.8	41:50:41	300	74	3.0	#2 SN Observat	2	row=75
0069.COMP	12	9:14	13:57:04.8	41:50:41	300	74	3.0	#2 SN Observat	2	
0070.HD192281	5	9:18	20:12:33.1	40:16:05	300	57	3.0	#56 Spectropho	2	
0071.HD192281	5	9:19	20:12:33.1	40:16:05	300	57	3.0	#56 Spectropho	2	
0072.COMP	12	9:20	20:12:33.1	40:16:05	300	57	3.0	#56 Spectropho	2	
0073.12901	720	9:23	19:21:08.4	+37:44:55	300	90	3.0	# 162 NGC6791	2	row=76
0074.COMP	12	9:35	19:21:08.4	+37:44:55	300	90	3.0	# 162 NGC6791	2	
0075.13404	480	9:37	19:21:10.6	+37:49:49	300	90	3.0	# 162 NGC6791	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0076.COMP	12	9:45	19:21:10.6	+37:49:49	300	90	3.0	# 162 NGC6791	2	
0077.13790	780	9:47	19:21:12.6	+37:49:48	300	80	3.0	# 162 NGC6791	2	
0078.COMP	12	10:00	19:21:12.6	+37:49:48	300	80	3.0	# 162 NGC6791	2	
0079.2399_03	720	10:02	21:59:10.4	-08:04:32	300	90	3.0	#160 2MACS	2	row=78
0080.COMP	12	10:15	21:59:10.4	-08:04:32	300	90	3.0	#160 2MACS	2	
0081.2399_04	1200	10:16	21:57:0.5	-08:03:13	300	90	3.0	#160 2MACS	2	
0082.COMP	12	10:36	21:57:0.5	-08:03:13	300	90	3.0	#160 2MACS	2	
0083.2399_05	1200	10:37	21:57:19.2	-08:00:46	300	90	3.0	#160 2MACS	2	
0084.COMP	12	10:58	21:57:19.2	-08:00:46	300	90	3.0	#160 2MACS	2	
0085.2399_06	600	10:59	21:57:23.4	-07:58:14	300	90	3.0	#160 2MACS	2	
0086.COMP	12	11:09	21:57:23.4	-07:58:14	300	90	3.0	#160 2MACS	2	
0087.2399_07	720	11:10	21:57:45.0	-07:57:02	300	90	3.0	#160 2MACS	2	
0088.COMP	12	11:23	21:57:45.0	-07:57:02	300	90	3.0	#160 2MACS	2	
0089-0098.BIAS	0	11:26	21:57:45.0	-07:57:02	300	90	3.0	#2 SN Observat	4	
0099-0108.FLAT	6	11:30	21:57:45.0	-07:57:02	300	90	3.0	#2 SN Observat	4	
0109-0118.BIAS	0	11:33	21:57:45.0	-07:57:02	300	90	3.0	#2 SN Observat	2	
0119-0128.FLAT	12	11:37	21:57:45.0	-07:57:02	300	90	3.0	#2 SN Observat	2	
0129-0138.DARK	900	13:55	21:57:45.0	-07:57:02	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.DARK	900	1:19	11:36:18.2	+31:31:28	300	90	3.0	#2 SN Observat	2	
0002.DARK	900	1:35	11:51:34.3	+31:31:29	300	90	3.0	#2 SN Observat	2	
0003-0004.DARK	900	2:05	12:22:02.2	+31:31:30	300	90	3.0	#2 SN Observat	2	
0005.BIAS	0	2:20	12:22:32.8	+31:31:30	300	90	3.0	#2 SN Observat	2	
0006-0015.BIAS	0	2:22	12:23:55.4	+31:31:30	300	90	3.0	#2 SN Observat	4	
0016-0025.FLAT	8	2:25	12:27:19.3	+31:31:30	300	90	3.0	#2 SN Observat	4	
0026-0035.BIAS	0	2:27	12:29:33.4	+31:31:30	300	90	3.0	#2 SN Observat	2	
0036-0056.FLAT	16	2:38	12:40:15.3	+31:31:30	300	90	3.0	#2 SN Observat	2	
0057.sky	3	2:46	12:50:00	32:00:00	300	90	3.0	#57 Velocity S	4	dome problems continue...
0058-0061.sky	3	2:47	12:50:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0062.COMP	5	2:47	12:50:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0063.COMP	10	3:01	13:33:20.8	51:06:04	600	90	2.0	#122 Halo Star	4	test
0064.FLAT	24	3:04	13:33:20.8	51:06:04	600	90	2.0	#122 Halo Star	4	600-line, 2-sec slit, Warren
0065-0080.FLAT	24	3:14	13:33:20.8	51:06:04	600	90	2.0	#122 Halo Star	4	
0081.BDp332642	120	3:38	15:51:59.9	32:56:54	600	90	2.0	#122 Halo Star	4	
0082.BDp332642	180	3:40	15:51:59.9	32:56:54	600	90	2.0	#122 Halo Star	4	
0083.BDp332642	180	3:44	15:51:59.9	32:56:54	600	90	2.0	#122 Halo Star	4	
0084.COMP	10	3:47	15:51:59.9	32:56:54	600	90	2.0	#122 Halo Star	4	
0085.hss268	660	3:48	13:57:41.0	48:05:15	600	90	2.0	#122 Halo Star	4	
0086.COMP	10	4:00	13:57:41.0	48:05:15	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
0087.hss257	1200	4:00	13:40:09.6	49:18:31	600	90	2.0	#122 Halo Star	4	
0088.COMP	10	4:21	13:40:09.6	49:18:31	600	90	2.0	#122 Halo Star	4	
0089.hss259	1040	4:22	13:43:08.3	51:39:34	600	90	2.0	#122 Halo Star	4	
0090.COMP	10	4:40	13:43:08.3	51:39:34	600	90	2.0	#122 Halo Star	4	
0091.hss260	1040	4:40	13:44:03.6	47:53:47	600	90	2.0	#122 Halo Star	4	
0092.COMP	10	4:58	13:44:03.6	47:53:47	600	90	2.0	#122 Halo Star	4	
0093.hss261	1800	4:59	13:44:11.7	49:24:54	600	90	2.0	#122 Halo Star	4	
0094.COMP	10	5:29	13:44:11.7	49:24:54	600	90	2.0	#122 Halo Star	4	
0095.hss262	1800	5:31	13:49:59.2	47:53:24	600	90	2.0	#122 Halo Star	4	
0096.COMP	10	6:02	13:49:59.2	47:53:24	600	90	2.0	#122 Halo Star	4	
0097.hss258	1040	6:03	13:42:34.0	45:45:40	600	90	2.0	#122 Halo Star	4	
0098.COMP	10	6:21	13:42:34.0	45:45:40	600	90	2.0	#122 Halo Star	4	
0099.hss265	1040	6:22	13:53:19.2	51:13:01	600	90	2.0	#122 Halo Star	4	
0100.COMP	10	6:40	13:53:19.2	51:13:01	600	90	2.0	#122 Halo Star	4	
0101.test	5	6:43	17:0:0	32:0:0	300	90	3.0	#122 Halo Star	4	
0102.test	5	6:44	17:0:0	32:0:0	300	90	3.0	#122 Halo Star	4	
0103.test	5	6:45	17:0:0	32:0:0	300	90	3.0	#122 Halo Star	4	300-line, 3-sec, combo
0104.sn2005cf	600	6:50	15:21:32.2	-07:24:47	300	29	3.0	#2 SN Observat	2	
0105.COMP	10	7:00	15:21:32.2	-07:24:47	300	29	3.0	#2 SN Observat	2	
0106.XS00939B3_002	1200	7:05	15:10:31.7	+07:42:48	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
0107.COMP	10	7:26	15:10:31.7	+07:42:48	300	90	3.0	#129 Bright Ch	2	
0108.XS00869B7_017	1200	7:29	15:34:52.6	+23:28:48	300	90	3.0	#129 Bright Ch	2	
0109.COMP	10	7:49	15:34:52.6	+23:28:48	300	90	3.0	#129 Bright Ch	2	
0110.XS00869B7_003	900	7:50	15:34:53.7	+23:28:17	300	90	3.0	#129 Bright Ch	2	target is brighter gal
0111.COMP	10	8:06	15:34:53.7	+23:28:17	300	90	3.0	#129 Bright Ch	2	there is also a fainter star in the slit to the west
0112.XS00869B7_013	300	8:06	15:34:57.2	+23:30:12	300	90	3.0	#129 Bright Ch	2	southern clump
0113.COMP	10	8:12	15:34:57.2	+23:30:12	300	90	3.0	#129 Bright Ch	2	
0114.XS00869B7_025	540	8:13	15:35:04.8	+23:28:45	300	90	3.0	#129 Bright Ch	2	
0115.COMP	10	8:22	15:35:04.8	+23:28:45	300	90	3.0	#129 Bright Ch	2	
0116.XS00869B7_033	1200	8:23	15:35:19.8	+23:31:53	300	90	3.0	#129 Bright Ch	2	
0117.COMP	10	8:44	15:35:19.8	+23:31:53	300	90	3.0	#129 Bright Ch	2	
0118.2M17013828-0544004	600	8:45	17:01:38.2	-05:44:0	300	90	3.0	#141 Mapping t	4	
0119.COMP	5	8:55	17:01:38.2	-05:44:0	300	90	3.0	#141 Mapping t	4	
0120.2M17025363-0114110	480	8:58	17:02:53.6	-01:14:11	300	90	3.0	#141 Mapping t	4	
0121.COMP	5	9:06	17:02:53.6	-01:14:11	300	90	3.0	#141 Mapping t	4	
0122.2M17041912+1354240	330	9:07	17:04:19.1	+13:54:24	300	90	3.0	#141 Mapping t	4	
0123.COMP	5	9:13	17:04:19.1	+13:54:24	300	90	3.0	#141 Mapping t	4	
0124.2M17080770-0130526	420	9:14	17:08:7.7	-01:30:52	300	90	3.0	#141 Mapping t	4	
0125.COMP	5	9:21	17:08:7.7	-01:30:52	300	90	3.0	#141 Mapping t	4	
0126.2M17083335+0255486	900	9:23	17:08:33.3	+02:55:48	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
0127.COMP	5	9:38	17:08:33.3	+02:55:48	300	90	3.0	#141 Mapping t	4	
0128.2M17203487-0346323	1500	9:40	17:20:34.8	-03:46:32	300	90	3.0	#141 Mapping t	4	
0129.COMP	5	10:06	17:20:34.8	-03:46:32	300	90	3.0	#141 Mapping t	4	
0130.HD192281	5	10:08	20:12:33.1	40:16:05	300	0	3.0	#56 Spectropho	2	
0131.HD192281	5	10:09	20:12:33.1	40:16:05	300	0	3.0	#56 Spectropho	2	
0132.HD192281	5	10:09	20:12:33.1	40:16:05	300	0	3.0	#56 Spectropho	2	
0133.HD192281	5	10:09	20:12:33.1	40:16:05	300	0	3.0	#56 Spectropho	2	
0134.HD192281	5	10:09	20:12:33.1	40:16:05	300	0	3.0	#56 Spectropho	2	
0135.COMP	10	10:10	20:12:33.1	40:16:05	300	0	3.0	#56 Spectropho	2	
0136.sn05_m15320	1500	10:14	21:02:02.3	-06:17:35	300	0	3.0	#2 SN Observat	2	
0137.COMP	10	10:40	21:02:02.3	-06:17:35	300	0	3.0	#2 SN Observat	2	
0138.MRK509	180	10:41	20:44:09.8	-10:43:24	300	0	3.0	#6 AGN Monitor	2	
0139.MRK509	180	10:44	20:44:09.8	-10:43:24	300	0	3.0	#6 AGN Monitor	2	
0140.COMP	10	10:47	20:44:09.8	-10:43:24	300	0	3.0	#6 AGN Monitor	2	
0141.N7331	120	10:51	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0142.COMP	5	10:53	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0143.BDp284211	120	10:54	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0144.BDp284211	120	10:56	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0145.COMP	10	10:58	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0146-0155.FLAT	16	11:03	21:51:11.1	28:51:53	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
0156-0165.FLAT	8	11:06	21:51:11.1	28:51:53	300	90	3.0	#2 SN Observat	4	
0166.BDp284211	60	11:10	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0167.BDp284211	60	11:11	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0168.BDp284211	60	11:13	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0169.BDp284211	60	11:14	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0170.BDp284211	60	11:15	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	use this one
0171.BDp284211	60	11:17	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0172.COMP	5	11:18	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0173.HD192281	5	11:19	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0174.HD192281	5	11:20	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0175.HD192281	5	11:20	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0176.HD192281	5	11:20	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0177.HD192281	5	11:21	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0178.HD192281	5	11:21	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0179.HD192281	5	11:21	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0180.HD192281	5	11:21	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0181.HD192281	5	11:22	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0182.HD192281	5	11:22	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0183.COMP	5	11:23	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0184-0193.FLAT	12	11:28	20:12:33.1	40:16:05	300	90	5.0	#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>
0194-0203.BIAS	0	11:30	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	2	
0204-0213.BIAS	0	11:32	20:12:33.1	40:16:05	300	90	5.0	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	0:29	10:50:05.3	+31:31:23	600	90	2.0	#122 Halo Star	4	
0002.DARK	900	0:44	11:05:16.4	+31:31:25	600	90	2.0	#122 Halo Star	4	
0003.DARK	900	1:00	11:20:23.7	+31:31:27	600	90	2.0	#122 Halo Star	4	
0004.DARK	900	1:15	11:35:35.0	+31:31:28	600	90	2.0	#122 Halo Star	4	
0005.DARK	900	1:30	11:50:42.5	+31:31:29	600	90	2.0	#122 Halo Star	4	
0006-0015.BIAS	0	2:44	13:00:00	32:00:00	600	90	2.0	#122 Halo Star	2	
0016-0025.BIAS	0	2:45	13:00:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0026.FLAT	24	2:46	13:00:00	32:00:00	600	90	2.0	#122 Halo Star	4	600-line, 2-sec, Warren
0027-0045.FLAT	24	2:56	13:00:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0046.BDp332642	180	3:31	15:51:59.9	32:56:54	600	90	2.0	#122 Halo Star	4	
0047.BDp332642	180	3:34	15:51:59.9	32:56:54	600	90	2.0	#122 Halo Star	4	
0048.COMP	10	3:37	15:51:59.9	32:56:54	600	90	2.0	#122 Halo Star	4	
0049.hss271	720	3:39	14:01:13.1	51:55:32	600	90	2.0	#122 Halo Star	4	
0050.COMP	10	3:51	14:01:13.1	51:55:32	600	90	2.0	#122 Halo Star	4	
0051.hss275	900	3:52	14:09:52.3	47:55:15	600	70	2.0	#122 Halo Star	4	
0052.COMP	10	4:07	14:09:52.3	47:55:15	600	70	2.0	#122 Halo Star	4	
0053.hss263	1800	4:09	13:50:47.0	45:18:14	600	90	2.0	#122 Halo Star	4	
0054.COMP	10	4:39	13:50:47.0	45:18:14	600	90	2.0	#122 Halo Star	4	
0055.hss266	1500	4:40	13:53:24.8	50:49:09	600	90	2.0	#122 Halo Star	4	
0056.COMP	10	5:05	13:53:24.8	50:49:09	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
0057.hss267	1800	5:07	13:55:51.9	51:44:43	600	90	2.0	#122 Halo Star	4	
0058.COMP	10	5:37	13:55:51.9	51:44:43	600	90	2.0	#122 Halo Star	4	
0059.hss270	1800	5:38	14:00:46.6	51:13:36	600	90	2.0	#122 Halo Star	4	
0060.COMP	10	6:09	14:00:46.6	51:13:36	600	90	2.0	#122 Halo Star	4	
0061.hss272	1500	6:10	14:01:38.8	49:14:02	600	90	2.0	#122 Halo Star	4	
0062.COMP	10	6:35	14:01:38.8	49:14:02	600	90	2.0	#122 Halo Star	4	
0063.hss276	1800	6:37	14:10:03.7	50:43:24	600	90	2.0	#122 Halo Star	4	
0064.COMP	10	7:07	14:10:03.7	50:43:24	600	90	2.0	#122 Halo Star	4	
0065.test	5	7:11	17:30:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0066.test	5	7:12	17:30:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0067.test	5	7:13	17:30:00	32:00:00	300	90	3.0	#122 Halo Star	4	
0068.test	5	7:14	17:30:00	32:00:00	300	90	3.0	#122 Halo Star	4	300-line, 3-sec, combo
0069.sn2005cf	600	7:17	15:21:32.2	-07:24:47	300	36	3.0	#2 SN Observat	2	
0070.COMP	10	7:27	15:21:32.2	-07:24:47	300	36	3.0	#2 SN Observat	2	
0071.sn2005az	1500	7:31	13:05:46.9	+27:44:08	300	67	3.0	#2 SN Observat	2	
0072.COMP	10	7:57	13:05:46.9	+27:44:08	300	67	3.0	#2 SN Observat	2	
0073.2M15420203-0453352	600	7:59	15:42:2.0	-04:53:35	300	90	3.0	#141 Mapping t	4	
0074.COMP	5	8:09	15:42:2.0	-04:53:35	300	90	3.0	#141 Mapping t	4	
0075.2M15475838-0547085	900	8:12	15:47:58.3	-05:47:8	300	90	3.0	#141 Mapping t	4	
0076.COMP	5	8:28	15:47:58.3	-05:47:8	300	90	3.0	#141 Mapping t	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0077.2M17132448-0718316	720	8:29	17:13:24.4	-07:18:31	300	90	3.0	#141 Mapping t	4	
0078.COMP	5	8:42	17:13:24.4	-07:18:31	300	90	3.0	#141 Mapping t	4	
0079.2M17135066-0739214	900	8:43	17:13:50.6	-07:39:21	300	90	3.0	#141 Mapping t	4	
0080.COMP	5	8:58	17:13:50.6	-07:39:21	300	90	3.0	#141 Mapping t	4	
0081.2M17211410-0101219	600	8:59	17:21:14.1	-01:01:21	300	90	3.0	#141 Mapping t	4	
0082.COMP	5	9:09	17:21:14.1	-01:01:21	300	90	3.0	#141 Mapping t	4	
0083.2M17232146-0136439	390	9:10	17:23:21.4	-01:36:43	300	90	3.0	#141 Mapping t	4	
0084.COMP	5	9:17	17:23:21.4	-01:36:43	300	90	3.0	#141 Mapping t	4	
0085.2M17314280+0203025	390	9:18	17:31:42.8	+02:03:2	300	90	3.0	#141 Mapping t	4	
0086.COMP	5	9:25	17:31:42.8	+02:03:2	300	90	3.0	#141 Mapping t	4	
0087.2M17230319+1456225	240	9:25	17:23:3.1	+14:56:22	300	90	3.0	#141 Mapping t	4	
0088.COMP	5	9:30	17:23:3.1	+14:56:22	300	90	3.0	#141 Mapping t	4	
0089.2M17311341+1442561	120	9:30	17:31:13.4	+14:42:56	300	90	3.0	#141 Mapping t	4	
0090.COMP	5	9:33	17:31:13.4	+14:42:56	300	90	3.0	#141 Mapping t	4	
0091.2399_08	720	9:36	21:56:35.6	-07:56:17	300	90	3.0	#160 2MACS	4	
0092.COMP	5	9:48	21:56:35.6	-07:56:17	300	90	3.0	#160 2MACS	4	
0093.2399_09	600	9:49	21:58:7.5	-07:55:45	300	90	3.0	#160 2MACS	4	
0094.COMP	5	9:59	21:58:7.5	-07:55:45	300	90	3.0	#160 2MACS	4	
0095.2399_10	600	10:00	21:56:19.0	-07:55:16	300	90	3.0	#160 2MACS	4	
0096.COMP	5	10:10	21:56:19.0	-07:55:16	300	90	3.0	#160 2MACS	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0097.2399_11	540	10:11	21:57:16.8	-07:54:51	300	90	3.0	#160 2MACS	4	
0098.COMP	5	10:20	21:57:16.8	-07:54:51	300	90	3.0	#160 2MACS	4	
0099.2399_12	600	10:21	21:57:1.2	-07:54:15	300	90	3.0	#160 2MACS	4	
0100.COMP	5	10:31	21:57:1.2	-07:54:15	300	90	3.0	#160 2MACS	4	
0101.2399_13	600	10:32	21:59:21.1	-07:50:49	300	90	3.0	#160 2MACS	4	
0102.COMP	5	10:42	21:59:21.1	-07:50:49	300	90	3.0	#160 2MACS	4	
0103.2399_14	600	10:43	21:58:38.8	-07:50:42	300	90	3.0	#160 2MACS	4	
0104.COMP	5	10:53	21:58:38.8	-07:50:42	300	90	3.0	#160 2MACS	4	
0105.BDp284211	120	10:55	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0106.BDp284211	120	10:57	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0107.COMP	10	11:00	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0108.N7331	180	11:00	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0109.COMP	5	11:04	22:34:46.9	+34:09:43	300	90	3.0	#56 Spectropho	4	
0110.HD192281	5	11:06	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0111.HD192281	5	11:06	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0112.HD192281	5	11:06	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0113.HD192281	5	11:06	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0114.HD192281	5	11:07	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0115.COMP	10	11:07	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0116-0125.BIAS	0	11:10	20:12:33.1	40:16:05	300	90	3.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0126-0135.FLAT	8	11:13	20:12:33.1	40:16:05	300	90	3.0	#122 Halo Star	4	
0136-0145.BIAS	0	11:16	20:12:33.1	40:16:05	300	90	3.0	#122 Halo Star	2	
0146-0166.FLAT	16	11:26	20:12:33.1	40:16:05	300	90	3.0	#122 Halo Star	2	
0167.DARK	1200	11:35	22:03:00.6	+31:28:34	300	90	3.0	#122 Halo Star	2	
0168.DARK	1200	11:56	22:23:15.2	+31:28:29	300	90	3.0	#122 Halo Star	2	
0169.DARK	1200	12:16	22:43:30.1	+31:28:25	300	90	3.0	#122 Halo Star	2	
0170.DARK	1200	12:36	23:03:45.3	+31:28:22	300	90	3.0	#122 Halo Star	2	
0171.DARK	1200	12:56	23:24:00.3	+31:28:20	300	90	3.0	#122 Halo Star	2	
0172.DARK	1200	13:16	23:44:15.3	+31:28:18	300	90	3.0	#122 Halo Star	2	
0173.DARK	1200	13:37	00:04:30.5	+31:28:17	300	90	3.0	#122 Halo Star	2	
0174.DARK	1200	13:57	00:24:49.0	+31:28:16	300	90	3.0	#122 Halo Star	2	
0175.DARK	1200	14:17	00:45:04.1	+31:28:17	300	90	3.0	#122 Halo Star	2	
0176.DARK	1200	14:37	01:05:19.0	+31:28:18	300	90	3.0	#122 Halo Star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	23:19	09:43:17.2	+31:31:08	300	90	3.0	#122 Halo Star	4	
0002.DARK	900	23:34	09:58:24.8	+31:31:12	300	90	3.0	#122 Halo Star	4	
0003.DARK	900	23:49	10:13:36.0	+31:31:15	300	90	3.0	#122 Halo Star	4	
0004.DARK	900	0:04	10:28:43.3	+31:31:19	300	90	3.0	#122 Halo Star	4	
0005.DARK	900	0:19	10:43:54.4	+31:31:21	300	90	3.0	#122 Halo Star	4	
0006.DARK	1200	0:36	11:05:58.6	+31:31:25	300	90	3.0	#122 Halo Star	2	
0007.DARK	1200	0:56	11:26:13.8	+31:31:27	300	90	3.0	#122 Halo Star	2	
0008.DARK	1200	1:17	11:46:29.5	+31:31:29	300	90	3.0	#122 Halo Star	2	
0009-0010.DARK	1200	1:57	12:27:00.6	+31:31:30	300	90	3.0	#122 Halo Star	2	
0011-0020.BIAS	0	2:33	12:43:07.6	+31:31:30	300	90	3.0	#122 Halo Star	4	
0021-0030.FLAT	8	2:36	12:46:28.1	+31:31:30	300	90	3.0	#122 Halo Star	4	
0031-0033.BIAS	0	2:37	12:47:11.3	+31:31:30	300	90	3.0	#122 Halo Star	2	
0034-0040.BIAS	0	2:39	12:48:42.0	+31:31:29	300	90	3.0	#122 Halo Star	2	
0041-0061.FLAT	16	2:49	12:59:24.6	+31:31:29	300	90	3.0	#122 Halo Star	2	
0062.sky	5	2:50	13:00:00	32:00:00	300	90	3.0	#57 Velocity S	4	very hazy sky, fires down by Nogales
0063-0066.sky	5	2:51	13:00:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0067.COMP	5	2:51	13:00:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0068.BDp262606	60	3:36	14:49:02.4	25:42:09	300	90	3.0	#56 Spectropho	2	
0069.BDp262606	60	3:37	14:49:02.4	25:42:09	300	90	3.0	#56 Spectropho	2	
0070.BDp262606	60	3:38	14:49:02.4	25:42:09	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0071.COMP	10	3:40	14:49:02.4	25:42:09	300	90	3.0	#56 Spectropho	2	
0072.TXCVn	10	3:41	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	4	
0073.TXCVn	40	3:42	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	4	
0074.COMP	5	3:42	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	4	
0075.RWHya	2	3:45	13:34:18	-25:22:51	300	10	3.0	#12 Symbiotic	4	
0076.RWHya	4	3:46	13:34:18	-25:22:51	300	10	3.0	#12 Symbiotic	4	
0077.RWHya	10	3:46	13:34:18	-25:22:51	300	10	3.0	#12 Symbiotic	4	
0078.RWHya	60	3:47	13:34:18	-25:22:51	300	10	3.0	#12 Symbiotic	4	
0079.COMP	5	3:48	13:34:18	-25:22:51	300	10	3.0	#12 Symbiotic	4	
0080.N4151	30	3:52	12:10:32.6	+39:24:21	300	100	3.0	#6 AGN Monitor	4	
0081.N4151	30	3:52	12:10:32.6	+39:24:21	300	100	3.0	#6 AGN Monitor	4	
0082.N4151	90	3:53	12:10:32.6	+39:24:21	300	100	3.0	#6 AGN Monitor	4	
0083.COMP	5	3:55	12:10:32.6	+39:24:21	300	100	3.0	#6 AGN Monitor	4	
0084.N4051	150	3:55	12:03:09.7	+44:31:53	300	100	3.0	#6 AGN Monitor	4	
0085.N4051	150	3:58	12:03:09.7	+44:31:53	300	100	3.0	#6 AGN Monitor	4	
0086.COMP	5	4:01	12:03:09.7	+44:31:53	300	100	3.0	#6 AGN Monitor	4	
0087.N5548	150	4:02	14:17:59.6	+25:08:12	300	100	3.0	#6 AGN Monitor	4	
0088.N5548	150	4:04	14:17:59.6	+25:08:12	300	100	3.0	#6 AGN Monitor	4	
0089.COMP	5	4:07	14:17:59.6	+25:08:12	300	100	3.0	#6 AGN Monitor	4	
0090.sn2005cc	1500	4:09	13:57:04.8	41:50:41	300	90	3.0	#2 SN Observat	2	bright sky

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0091.COMP	10	4:34	13:57:04.8	41:50:41	300	90	3.0	#2 SN Observat	2	
0092.1377_21	600	4:36	11:45:32.9	56:03:55	300	90	3.0	#160 2MACS	4	
0093.COMP	5	4:46	11:45:32.9	56:03:55	300	90	3.0	#160 2MACS	4	
0094.1377_22	600	4:47	11:45:51.4	56:05:19	300	90	3.0	#160 2MACS	4	
0095.COMP	5	4:57	11:45:51.4	56:05:19	300	90	3.0	#160 2MACS	4	
0096.1377_20	600	4:58	11:44:55.3	56:02:22	300	90	3.0	#160 2MACS	4	
0097.COMP	5	5:08	11:44:55.3	56:02:22	300	90	3.0	#160 2MACS	4	
0098.1377_23	480	5:09	11:49:45.3	56:07:29	300	90	3.0	#160 2MACS	4	
0099.COMP	5	5:17	11:49:45.3	56:07:29	300	90	3.0	#160 2MACS	4	
0100.1377_24	900	5:18	11:49:2.2	56:08:46	300	90	3.0	#160 2MACS	4	
0101.COMP	5	5:33	11:49:2.2	56:08:46	300	90	3.0	#160 2MACS	4	
0102.sn2005cf	600	5:37	15:21:32.2	-07:24:47	300	10	3.0	#2 SN Observat	2	
0103.COMP	10	5:48	15:21:32.2	-07:24:47	300	10	3.0	#2 SN Observat	2	
0104.2M15514740-0530170	600	5:49	15:51:47.4	-05:30:17	300	10	3.0	#141 Mapping t	4	
0105.COMP	5	5:59	15:51:47.4	-05:30:17	300	10	3.0	#141 Mapping t	4	
0106.BDp332642	90	6:02	15:51:59.9	32:56:54	300	90	3.0	#56 Spectropho	2	
0107.BDp332642	90	6:04	15:51:59.9	32:56:54	300	90	3.0	#56 Spectropho	2	
0108.COMP	10	6:06	15:51:59.9	32:56:54	300	90	3.0	#56 Spectropho	2	
0109.TCrB	15	6:07	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0110.TCrB	60	6:07	15:59:30	25:55:12	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
0111.COMP	5	6:09	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0112.2M17221828-0711547	900	6:10	17:22:18.2	-07:11:54	300	90	3.0	#141 Mapping t	4	
0113.COMP	5	6:26	17:22:18.2	-07:11:54	300	90	3.0	#141 Mapping t	4	
0114.2M17214759-0336582	900	6:27	17:21:47.5	-03:36:58	300	90	3.0	#141 Mapping t	4	
0115.COMP	5	6:42	17:21:47.5	-03:36:58	300	90	3.0	#141 Mapping t	4	
0116.2M17322582-0129185	720	6:45	17:32:25.8	-01:29:18	300	90	3.0	#141 Mapping t	4	
0117.COMP	5	6:57	17:32:25.8	-01:29:18	300	90	3.0	#141 Mapping t	4	
0118.2M17345326-0613385	900	6:58	17:34:53.2	-06:13:38	300	90	3.0	#141 Mapping t	4	
0119.COMP	5	7:13	17:34:53.2	-06:13:38	300	90	3.0	#141 Mapping t	4	
0120.2M17345077+1310553	240	7:14	17:34:50.7	+13:10:55	300	90	3.0	#141 Mapping t	4	
0121.COMP	5	7:19	17:34:50.7	+13:10:55	300	90	3.0	#141 Mapping t	4	
0122.2M17354979+1300405	240	7:19	17:35:49.7	+13:00:40	300	90	3.0	#141 Mapping t	4	
0123.COMP	5	7:24	17:35:49.7	+13:00:40	300	90	3.0	#141 Mapping t	4	
0124.2M17363942+3557320	300	7:25	17:36:39.4	+35:57:32	300	90	3.0	#141 Mapping t	4	
0125.COMP	5	7:30	17:36:39.4	+35:57:32	300	90	3.0	#141 Mapping t	4	
0126.XS01899B7_013	60	7:31	18:07:38.4	+45:47:35	300	90	3.0	#129 Bright Ch	2	
0127.COMP	10	7:33	18:07:38.4	+45:47:35	300	90	3.0	#129 Bright Ch	2	
0128.XS01899B7_038_XS02050 3B8.00	1200	7:34	18:07:43.1	+45:49:32	300	90	3.0	#129 Bright Ch	2	1899B7 038 is the brighter star at row 82
0129.COMP	10	7:54	18:07:43.1	+45:49:32	300	90	3.0	#129 Bright Ch	2	4.2cm3B8.00

0130.XS00830B8_0041800 7:55 18:08:22.1+45:54:4930090 3.0 #129 Bright Ch2

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0131.COMP	10	8:26	18:08:22.1	+45:54:49	300	90	3.0	#129 Bright Ch	2	
0132.2M17302069-0637114	1200	8:29	17:30:20.6	-06:37:11	300	90	3.0	#141 Mapping t	4	
0133.COMP	5	8:49	17:30:20.6	-06:37:11	300	90	3.0	#141 Mapping t	4	
0134.2M17341228-0729350	1200	8:50	17:34:12.2	-07:29:35	300	90	3.0	#141 Mapping t	2	
0135.COMP	10	9:11	17:34:12.2	-07:29:35	300	90	3.0	#141 Mapping t	2	
0136.2M17342797-0121116	1200	9:13	17:34:27.9	-01:21:11	300	105	3.0	#141 Mapping t	2	
0137.COMP	10	9:35	17:34:27.9	-01:21:11	300	105	3.0	#141 Mapping t	2	
0138.2M17362291-0145251	1200	9:36	17:36:22.9	-01:45:25	300	105	3.0	#141 Mapping t	2	
0139.COMP	10	9:56	17:36:22.9	-01:45:25	300	105	3.0	#141 Mapping t	2	
0140.2M18083701+0612025	540	9:58	18:08:37.0	+06:12:2	300	105	3.0	#141 Mapping t	2	
0141.COMP	10	10:07	18:08:37.0	+06:12:2	300	105	3.0	#141 Mapping t	2	
0142.2M18093767+0836502	330	10:08	18:09:37.6	+08:36:50	300	90	3.0	#141 Mapping t	2	
0143.COMP	10	10:14	18:09:37.6	+08:36:50	300	90	3.0	#141 Mapping t	2	
0144.2M18093966+0930042	360	10:15	18:09:39.6	+09:30:4	300	90	3.0	#141 Mapping t	2	
0145.COMP	10	10:21	18:09:39.6	+09:30:4	300	90	3.0	#141 Mapping t	2	
0146.sn2004et	1200	10:25	20:35:25.4	60:07:17	300	-10	3.0	#2 SN Observat	2	
0147.COMP	10	10:45	20:35:25.4	60:07:17	300	-10	3.0	#2 SN Observat	2	
0148.BDp284211	120	10:48	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0149.BDp284211	120	10:50	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0150.COMP	10	10:52	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0151.N7331	180	10:53	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0152.COMP	5	10:57	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0153-0162.BIAS	0	10:59	22:34:46.9	+34:09:43	300	90	3.0	#129 Bright Ch	4	
0163-0172.FLAT	8	11:02	22:34:46.9	+34:09:43	300	90	3.0	#129 Bright Ch	4	
0173-0182.BIAS	0	11:05	22:34:46.9	+34:09:43	300	90	3.0	#129 Bright Ch	2	
0183-0192.FLAT	16	11:10	22:34:46.9	+34:09:43	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
0001-0002.DARK	900	2:14	12:43:27.3	+31:31:30	300	90	3.0	#129 Bright Ch	4	
0003.DARK	900	2:30	12:58:38.3	+31:31:29	300	90	3.0	#129 Bright Ch	4	
0004.DARK	900	2:45	13:13:46.1	+31:31:27	300	90	3.0	#129 Bright Ch	4	
0005.DARK	900	3:00	13:28:53.9	+31:31:26	300	90	3.0	#129 Bright Ch	4	
0006-0015.BIAS	0	3:16	13:30:07.6	+31:31:26	300	90	3.0	#129 Bright Ch	4	
0016-0025.FLAT	6	3:19	13:33:04.7	+31:31:25	300	90	3.0	#129 Bright Ch	4	
0026-0035.BIAS	0	3:24	13:37:47.4	+31:31:25	300	90	3.0	#129 Bright Ch	2	
0036-0052.FLAT	12	3:31	13:45:14.5	+31:31:24	300	90	3.0	#129 Bright Ch	2	
0053-0055.FLAT	12	3:32	13:46:28.0	+31:31:23	300	90	3.0	#129 Bright Ch	2	
0056.Feige34	120	3:41	10:39:36.8	43:06:10	300	92	3.0	#56 Spectropho	2	
0057.COMP	12	3:43	10:39:36.8	43:06:10	300	92	3.0	#56 Spectropho	2	
0058.sn2005ay	1500	3:47	11:52:48.0	+44:06:18	300	105	3.0	#2 SN Observat	2	
0059.COMP	12	4:12	11:52:48.0	+44:06:18	300	105	3.0	#2 SN Observat	2	
0060.sn2005cf	780	4:20	15:21:32.2	-07:24:47	300	-16	3.0	#2 SN Observat	2	
0061.COMP	12	4:33	15:21:32.2	-07:24:47	300	-16	3.0	#2 SN Observat	2	
0062.XS02024B7_011	1800	4:41	14:16:27.3	+23:15:22	300	90	3.0	#129 Bright Ch	2	
0063.COMP	12	5:12	14:16:27.3	+23:15:22	300	90	3.0	#129 Bright Ch	2	
0064.XS00367B7_003	1200	5:14	14:24:38.0	+22:56:00	300	90	3.0	#129 Bright Ch	2	
0065.COMP	12	5:35	14:24:38.0	+22:56:00	300	90	3.0	#129 Bright Ch	2	
0066.14833	1500	5:42	19:21:18.7	+37:43:36	300	100	3.0	# 162 NGC6791	2	row=82

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0067.COMP	12	6:07	19:21:18.7	+37:43:36	300	100	3.0	# 162 NGC6791	2	
0068.15986	1500	6:10	19:21:34.3	+37:42:37	300	90	3.0	# 162 NGC6791	2	
0069.COMP	12	6:35	19:21:34.3	+37:42:37	300	90	3.0	# 162 NGC6791	2	
0070.16126	1200	6:38	19:21:37.5	+37:48:49	300	100	3.0	# 162 NGC6791	2	
0071.COMP	12	6:58	19:21:37.5	+37:48:49	300	100	3.0	# 162 NGC6791	2	
0072.5943	1800	7:04	19:20:46.7	+37:43:23	300	70	3.0	# 162 NGC6791	2	
0073.COMP	12	7:34	19:20:46.7	+37:43:23	300	70	3.0	# 162 NGC6791	2	
0074.BDp262606	80	7:37	14:49:02.4	25:42:09	300	70	3.0	#56 Spectropho	2	
0075.COMP	12	7:39	14:49:02.4	25:42:09	300	70	3.0	#56 Spectropho	2	
0076.BDp262606	40	7:40	14:49:02.4	25:42:09	300	70	3.0	#56 Spectropho	2	
0077.COMP	12	7:41	14:49:02.4	25:42:09	300	70	3.0	#56 Spectropho	2	
0078.GSC2600m00612	1800	7:48	17:23:39.8	35:27:57	1200	90	3.0	#99 Discretion	4	
0079.COMP	30	8:18	17:23:39.8	35:27:57	1200	90	3.0	#99 Discretion	4	
0080-0089.FLAT	90	8:42	17:23:39.8	35:27:57	1200	90	3.0	#99 Discretion	4	
0090.GSC2600m00612	1800	8:46	17:23:39.8	35:27:57	1200	90	3.0	#99 Discretion	4	saturated
0091.COMP	30	9:17	17:23:39.8	35:27:57	1200	90	3.0	#99 Discretion	4	
0092.GSC2600m00612	720	9:19	17:23:39.8	35:27:57	1200	90	3.0	#99 Discretion	4	
0093.COMP	30	9:32	17:23:39.8	35:27:57	1200	90	3.0	#99 Discretion	4	
0094-0103.FLAT	20	9:42	17:23:39.8	35:27:57	1200	90	3.0	#99 Discretion	4	
0104.BDp284211	60	9:49	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0105.COMP	12	9:51	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0106.2399_15	1200	9:53	21:58:28.5	-07:49:51	300	90	3.0	#160 2MACS	2	
0107.COMP	12	10:13	21:58:28.5	-07:49:51	300	90	3.0	#160 2MACS	2	
0108.2399_16	1500	10:15	21:58:0.5	-07:49:33	300	90	3.0	#160 2MACS	2	
0109.COMP	12	10:40	21:58:0.5	-07:49:33	300	90	3.0	#160 2MACS	2	
0110.2399_17	1020	10:42	21:57:21.4	-07:48:47	300	90	3.0	#160 2MACS	2	
0111.COMP	12	10:59	21:57:21.4	-07:48:47	300	90	3.0	#160 2MACS	2	
0112.2399_18	1020	11:00	21:56:58.5	-07:48:43	300	90	3.0	#160 2MACS	2	
0113.COMP	12	11:18	21:56:58.5	-07:48:43	300	90	3.0	#160 2MACS	2	
0114-0123.BIAS	0	11:23	21:56:58.5	-07:48:43	300	90	3.0	#160 2MACS	2	
0124-0143.FLAT	12	11:59	21:56:58.5	-07:48:43	300	90	3.0	#160 2MACS	2	
0144-0153.DARK	900	14:18	21:56:58.5	-07:48:43	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.DARK	900	1:59	21:56:58.5	-07:48:43	300	90	3.0	#160 2MACS	4	
0011-0020.BIAS	0	2:23	21:56:58.5	-07:48:43	300	90	3.0	#160 2MACS	4	
0021-0030.FLAT	6	2:26	21:56:58.5	-07:48:43	300	90	3.0	#160 2MACS	4	
0031-0040.BIAS	0	2:28	21:56:58.5	-07:48:43	300	90	3.0	#160 2MACS	2	
0041-0060.FLAT	12	2:36	21:56:58.5	-07:48:43	300	90	3.0	#160 2MACS	2	
0061-0065.sky	2	2:45	21:56:58.5	-07:48:43	300	90	3.0	#57 Velocity S	2	
0066.COMP	12	2:46	21:56:58.5	-07:48:43	300	90	3.0	#57 Velocity S	2	
0067.Feige34	120	3:25	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0068.COMP	5	3:27	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0069.Feige34	120	3:29	10:39:36.8	43:06:10	300	98	3.0	#56 Spectropho	2	
0070.COMP	12	3:31	10:39:36.8	43:06:10	300	98	3.0	#56 Spectropho	2	
0071.N3227	150	3:34	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0072.N3227	150	3:36	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0073.COMP	12	3:39	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0074.MRK421	300	3:41	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0075.MRK421	300	3:46	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0076.MRK421	300	3:52	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0077.COMP	12	3:57	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0078.N4051	150	3:58	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0079.N4051	150	4:01	12:03:09.7	+44:31:53	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
0080.COMP	12	4:04	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0081.N4151	30	4:05	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0082.N4151	30	4:07	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0083.COMP	12	4:08	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0084.sn2005cc	1500	4:12	13:57:04.8	41:50:41	300	-35	3.0	#2 SN Observat	2	row=78
0085.COMP	12	4:39	13:57:04.8	41:50:41	300	-35	3.0	#2 SN Observat	2	
0086.sn2005az	1500	4:44	13:05:46.9	+27:44:08	300	70	3.0	#2 SN Observat	2	
0087.COMP	12	5:09	13:05:46.9	+27:44:08	300	70	3.0	#2 SN Observat	2	
0088.sn2005cf	660	5:12	15:21:32.2	-07:24:47	300	3	3.0	#2 SN Observat	2	
0089.COMP	12	5:24	15:21:32.2	-07:24:47	300	3	3.0	#2 SN Observat	2	
0090.N5548	150	5:27	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0091.N5548	150	5:30	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0092.N5548	150	5:32	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0093.COMP	12	5:35	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0094.AGDra	2	5:40	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0095.AGDra	15	5:40	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0096.AGDra	45	5:41	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0097.COMP	12	5:42	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0098.DracoC1	1200	5:44	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0099.COMP	12	6:04	17:19:58	57:50:06	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
0100.6325	1200	6:09	19:20:47.7	+37:44:31	300	70	3.0	# 162 NGC6791	2	row=80
0101.COMP	12	6:30	19:20:47.7	+37:44:31	300	70	3.0	# 162 NGC6791	2	
0102.6631	1800	6:34	19:20:48.7	+37:45:23	300	50	3.0	# 162 NGC6791	2	
0103.COMP	12	7:05	19:20:48.7	+37:45:23	300	50	3.0	# 162 NGC6791	2	
0104.2M17370487-0510578	1500	7:36	17:37:4.8	-05:10:57	300	90	3.0	#141 Mapping t	2	row=79, emission
0105.COMP	12	8:02	17:37:4.8	-05:10:57	300	90	3.0	#141 Mapping t	2	
0106.2M17371409-0152358	900	8:05	17:37:14.0	-01:52:35	300	90	3.0	#141 Mapping t	2	
0107.COMP	12	8:20	17:37:14.0	-01:52:35	300	90	3.0	#141 Mapping t	2	
0108.BDp262606	45	8:24	14:49:02.4	25:42:09	300	69	3.0	#56 Spectropho	2	
0109.COMP	12	8:25	14:49:02.4	25:42:09	300	69	3.0	#56 Spectropho	2	
0110.RSOph	10	8:30	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0111.RSOph	60	8:31	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0112.RSOph	150	8:32	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0113.COMP	12	8:35	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0114.YYHer	10	8:36	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0115.YYHer	60	8:37	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0116.COMP	12	8:39	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0117.V443Her	5	8:40	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0118.V443Her	45	8:43	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0119.V443Her	90	8:44	18:22:07	23:27:20	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
0120.COMP	12	8:46	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0121.BFCyg	1	8:47	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0122.BFCyg	60	8:48	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0123.COMP	12	8:52	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0124.CHCyg	1	8:53	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0125.CHCyg	5	8:53	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0126.CHCyg	30	8:54	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0127.COMP	12	8:55	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0128.CICyg	2	8:56	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0129.CICyg	20	8:56	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0130.CICyg	60	8:57	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0131.COMP	12	8:58	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0132.GSC2600m00612	1800	9:05	17:23:39.7	35:27:57	1200	90	3.0	#99 Discretion	4	1200L, tilt=54, 3arcsec
0133.COMP	30	9:36	17:23:39.7	35:27:57	1200	90	3.0	#99 Discretion	4	
0134-0143.FLAT	100	9:54	17:23:39.7	35:27:57	1200	90	3.0	#99 Discretion	4	
0144.GSC2600m00612	420	9:59	17:23:39.7	35:27:57	1200	90	3.0	#99 Discretion	4	1200L, tilt=778, 3arcsec
0145.COMP	20	10:06	17:23:39.7	35:27:57	1200	90	3.0	#99 Discretion	4	
0146-0155.FLAT	20	10:12	17:23:39.7	35:27:57	1200	90	3.0	#99 Discretion	4	
0156.PUVu1	1	10:22	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	combo setup
0157.PUVu1	10	10:22	20:21:13	21:34:21	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
0158.PUVu1	60	10:23	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0159.COMP	12	10:24	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0160.2399_19	960	10:26	21:57:27.6	-07:48:13	300	100	3.0	#160 2MACS	2	
0161.COMP	12	10:43	21:57:27.6	-07:48:13	300	100	3.0	#160 2MACS	2	
0162.2399_20	1080	10:44	21:58:10.0	-07:48:02	300	100	3.0	#160 2MACS	2	
0163.COMP	12	11:02	21:58:10.0	-07:48:02	300	100	3.0	#160 2MACS	2	
0164.BDp284211	60	11:04	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0165.COMP	12	11:06	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0166.M31	60	11:07	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0167.COMP	12	11:09	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0168.ZAnd	2	11:10	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0169.ZAnd	10	11:10	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0170.ZAnd	60	11:11	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0171.COMP	12	11:12	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0172-0181.BIAS	0	11:15	23:33:40	48:49:06	300	90	3.0	#160 2MACS	2	
0182-0201.FLAT	12	11:26	23:33:40	48:49:06	300	90	3.0	#160 2MACS	2	
0202-0211.DARK	900	13:45	23:33:40	48:49:06	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.DARK	900	22:56	10:11:28.3	+31:31:15	300	90	3.0	#160 2MACS	4	
0002.DARK	900	23:11	10:26:36.0	+31:31:19	300	90	3.0	#160 2MACS	4	
0003.DARK	900	23:26	10:41:47.1	+31:31:21	300	90	3.0	#160 2MACS	4	
0004.DARK	900	23:41	10:56:55.1	+31:31:24	300	90	3.0	#160 2MACS	4	
0005.DARK	900	23:56	11:12:02.6	+31:31:26	300	90	3.0	#160 2MACS	4	
0006.DARK	900	0:11	11:27:13.9	+31:31:27	300	90	3.0	#160 2MACS	4	
0007-0008.DARK	900	0:41	11:57:32.7	+31:31:29	300	90	3.0	#160 2MACS	4	
0009-0010.DARK	900	1:12	12:27:51.6	+31:31:30	300	90	3.0	#160 2MACS	4	
0011-0020.BIAS	0	2:40	13:40:56.4	+31:31:23	300	90	3.0	#160 2MACS	4	
0021-0030.FLAT	6	2:45	13:46:48.2	+31:31:22	300	90	3.0	#160 2MACS	4	
0031-0040.BIAS	0	2:49	13:50:24.8	+31:31:22	300	90	3.0	#160 2MACS	2	
0041-0053.FLAT	12	2:55	13:56:30.0	+31:31:21	300	90	3.0	#160 2MACS	2	
0054-0060.FLAT	12	2:58	13:59:23.2	+31:31:20	300	90	3.0	#160 2MACS	2	
0061.BDp262606	30	3:39	14:49:02.4	25:42:09	300	-18	3.0	#56 Spectropho	2	
0062.BDp262606	30	3:40	14:49:02.4	25:42:09	300	-18	3.0	#56 Spectropho	2	
0063.COMP	12	3:41	14:49:02.4	25:42:09	300	-18	3.0	#56 Spectropho	2	
0064.sn2004gt	1500	3:46	12:01:50.3	-18:52:12	300	39	3.0	#2 SN Observat	2	
0065.COMP	12	4:13	12:01:50.3	-18:52:12	300	39	3.0	#2 SN Observat	2	
0066.sn2005cr	1200	4:26	12:22:17.2	12:23:49	300	58	3.0	#2 SN Observat	2	
0067.COMP	12	4:48	12:22:17.2	12:23:49	300	58	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.sn2005cn	720	5:00	13:18:00.4	-26:48:33	300	36	3.0	#2 SN Observat	2	
0069.COMP	12	5:13	13:18:00.4	-26:48:33	300	36	3.0	#2 SN Observat	2	
0070.sn2005cc	1200	5:57	13:57:04.8	41:50:41	300	-25	3.0	#2 SN Observat	2	row=76
0071.COMP	12	6:18	13:57:04.8	41:50:41	300	-25	3.0	#2 SN Observat	2	
0072.N5548	150	6:23	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0073.N5548	150	6:26	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0074.N5548	150	6:40	00	00	00	00	00	00	3000	00
0075.COMP	12	6:43	00	00	00	00	00	00	3000	00
0076.3C390.3	300	6:47	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0077.3C390.3	420	6:53	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0078.3C390.3	420	7:00	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0079.COMP	12	7:08	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0080.178	1200	7:22	19:20:13.1	+37:49:48	300	65	3.0	# 162 NGC6791	2	row=79
0081.178	1200	7:42	19:20:13.1	+37:49:48	300	65	3.0	# 162 NGC6791	2	
0082.COMP	12	8:04	19:20:13.1	+37:49:48	300	65	3.0	# 162 NGC6791	2	
0083.746	1800	8:14	19:20:21.4	+37:48:21	300	90	3.0	# 162 NGC6791	2	
0084.COMP	12	8:44	19:20:21.4	+37:48:21	300	90	3.0	# 162 NGC6791	2	
0085.MRK509	180	8:49	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0086.MRK509	180	8:52	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0087.COMP	12	8:55	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0088.XS01667B1_009	1800	8:57	20:55:52.5	-04:52:01	300	90	3.0	#129 Bright Ch	2	
0089.COMP	12	9:27	20:55:52.5	-04:52:01	300	90	3.0	#129 Bright Ch	2	
0090.XS01667B3_007	1200	9:29	20:55:59.1	-04:41:49	300	90	3.0	#129 Bright Ch	2	
0091.COMP	12	9:49	20:55:59.1	-04:41:49	300	90	3.0	#129 Bright Ch	2	
0092.BDp284211	70	9:54	21:51:11.1	28:51:53	300	97	3.0	#56 Spectropho	2	
0093.BDp284211	70	9:55	21:51:11.1	28:51:53	300	97	3.0	#56 Spectropho	2	
0094.COMP	12	9:58	21:51:11.1	28:51:53	300	97	3.0	#56 Spectropho	2	
0095.BDp284211	70	10:19	00	00	00	00	00		30097	
0096.COMP	12	10:21	00	00	00	00	00		30097	
0097.BIAS	0	11:43	22:45:40.0	+31:28:22	300	97	3.0	#56 Spectropho	2	
0098-0106.BIAS	0	11:45	22:47:36.6	+31:28:21	300	97	3.0	#56 Spectropho	2	
0107-0117.FLAT	12	12:03	23:06:04.3	+31:28:19	300	97	3.0	#56 Spectropho	2	
0118-0126.FLAT	12	12:07	23:09:41.5	+31:28:18	300	97	3.0	#56 Spectropho	2	
0127.DARK	900	12:21	23:38:40.9	+31:28:15	300	97	3.0	#56 Spectropho	2	
0128-0131.DARK	900	13:22	00:39:38.8	+31:28:14	300	97	3.0	#56 Spectropho	2	
0132.DARK	900	13:37	00:54:54.0	+31:28:15	300	97	3.0	#56 Spectropho	2	
0133.DARK	900	13:52	01:10:09.4	+31:28:17	300	97	3.0	#56 Spectropho	2	
0134.DARK	900	14:07	01:25:21.0	+31:28:18	300	97	3.0	#56 Spectropho	2	
0135.DARK	900	14:22	01:40:36.5	+31:28:20	300	97	3.0	#56 Spectropho	2	
0136.DARK	900	14:38	01:55:52.2	+31:28:23	300	97	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	0:03	11:22:35.4	+31:31:27	300	97	3.0	#56 Spectropho	4	
0002.DARK	900	0:18	11:37:46.2	+31:31:28	300	90	3.0	#56 Spectropho	4	
0003-0006.DARK	900	1:18	12:38:23.7	+31:31:29	300	90	3.0	#56 Spectropho	4	
0007.DARK	900	1:33	12:53:30.9	+31:31:28	300	90	3.0	#56 Spectropho	4	
0008.DARK	900	1:49	13:08:42.1	+31:31:27	300	90	3.0	#56 Spectropho	4	
0009.DARK	900	2:04	13:23:49.7	+31:31:25	300	90	3.0	#56 Spectropho	4	
0010.DARK	900	2:19	13:39:00.8	+31:31:23	300	90	3.0	#56 Spectropho	4	
0011-0020.BIAS	0	2:40	13:45:09.9	+31:31:22	300	90	3.0	#56 Spectropho	4	
0021-0030.FLAT	6	2:43	13:47:59.8	+31:31:22	300	90	3.0	#56 Spectropho	4	
0031-0040.BIAS	0	2:46	13:51:23.3	+31:31:21	300	90	3.0	#56 Spectropho	2	
0041-0045.FLAT	12	2:49	13:54:47.9	+31:31:21	300	90	3.0	#56 Spectropho	2	
0046-0058.FLAT	12	2:55	14:00:04.7	+31:31:20	300	90	3.0	#56 Spectropho	2	
0059-0060.FLAT	12	2:55	14:00:56.2	+31:31:19	300	90	3.0	#56 Spectropho	2	
0061.TXCVn	10	3:44	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0062.TXCVn	30	3:44	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0063.COMP	12	3:46	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0064.RWHya	2	3:52	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0065.RWHya	10	3:52	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0066.RWHya	20	3:53	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0067.COMP	12	3:54	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0068.TCrB	15	4:02	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0069.TCrB	60	4:03	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0070.COMP	12	4:04	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0071.AGDra	2	4:24	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0072.AGDra	2	4:24	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0073.AGDra	15	4:25	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0074.AGDra	15	4:25	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0075.AGDra	45	4:25	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0076.AGDra	45	4:25	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0077.COMP	12	4:27	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0078.N5846	300	4:41	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	2	
0079.N5846	300	4:41	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	2	
0080.COMP	12	4:57	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	2	
0081.2M17441471+0724262	360	6:59	17:44:14.7	+07:24:26	300	90	3.0	#141 Mapping t	2	
0083.COMP	12	7:06	17:44:14.7	+07:24:26	300	90	3.0	#141 Mapping t	2	
0084.sn2005cf	900	7:17	15:21:32.2	-07:24:47	300	45	3.0	#2 SN Observat	2	
0085.COMP	12	7:32	15:21:32.2	-07:24:47	300	45	3.0	#2 SN Observat	2	
0086.HETEJ1900.5m2455	2700	7:43	19:00:08.6	-24:55:13	300	90	3.0	#149 Black Hol	2	
0087.COMP	12	8:22	19:00:08.6	-24:55:13	300	90	3.0	#149 Black Hol	2	
0088.2M18162958+2211009	720	8:30	18:16:29.5	+22:11:0	300	90	3.0	#141 Mapping t	2	

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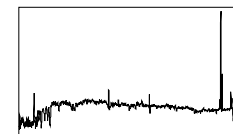
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0089.COMP	12	8:44	18:16:29.5	+22:11:0	300	90	3.0	#141 Mapping t	2	
0090.2M18174549+2524091	600	8:49	18:17:45.4	+25:24:9	300	90	3.0	#141 Mapping t	2	
0091.2M18174549+2524091	600	8:49	18:17:45.4	+25:24:9	300	90	3.0	#141 Mapping t	2	
0092.COMP	12	8:55	18:17:45.4	+25:24:9	300	90	3.0	#141 Mapping t	2	
0093.2M18215386+1809088	900	9:00	18:21:53.8	+18:09:8	300	90	3.0	#141 Mapping t	2	
0094.2M18215386+1809088	900	9:00	18:21:53.8	+18:09:8	300	90	3.0	#141 Mapping t	2	
0095.COMP	10	9:18	18:21:53.8	+18:09:8	300	90	3.0	#141 Mapping t	2	
0096.2M19384291-0535151	900	9:24	19:38:42.9	-05:35:15	300	90	3.0	#141 Mapping t	2	
0097.COMP	10	9:40	19:38:42.9	-05:35:15	300	90	3.0	#141 Mapping t	2	
0098.2M19411719+5112510	600	9:46	19:41:17.1	+51:12:51	300	90	3.0	#141 Mapping t	2	
0099.COMP	10	9:57	19:41:17.1	+51:12:51	300	90	3.0	#141 Mapping t	2	
0100.2399_21	600	10:04	21:57:29.4	-07:47:44	300	90	3.0	#160 2MACS	2	
0101.2399_21	600	10:04	21:57:29.4	-07:47:44	300	90	3.0	#160 2MACS	2	
0102.COMP	10	10:15	21:57:29.4	-07:47:44	300	90	3.0	#160 2MACS	2	
0103.BDp284211	90	10:22	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0104.BDp284211	90	10:22	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0105.COMP	10	10:24	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0106.BDp174708	60	10:28	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0107.COMP	10	10:30	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0108.2399_22	720	10:54	21:59:27.0	-07:46:59	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>
0109.COMP	10	11:07	21:59:27.0	-07:46:59	300	90	3.0	#160 2MACS	2	
0111.2399_24	900	11:19	21:56:29.0	-07:45:16	300	90	3.0	#160 2MACS	2	
0112-0121.BIAS	0	11:43	21:56:29.0	-07:45:16	300	90	3.0	#2 SN Observat	4	
0122-0141.FLAT	8	11:46	21:56:29.0	-07:45:16	300	90	3.0	#2 SN Observat	4	
0142-0151.BIAS	0	11:49	21:56:29.0	-07:45:16	300	90	3.0	#2 SN Observat	2	
0152-0181.FLAT	16	11:59	21:56:29.0	-07:45:16	300	90	3.0	#2 SN Observat	2	
0182.COMP	5	18:53	21:56:29.0	-07:45:16	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.DARK	900	0:49	12:12:56.2	+31:31:29	300	90	3.0	#2 SN Observat	2	dome lights on
0002-0003.DARK	900	1:19	12:43:24.3	+31:31:29	300	90	3.0	#2 SN Observat	2	
0004.DARK	900	1:35	12:58:40.3	+31:31:28	300	90	3.0	#2 SN Observat	2	
0005.DARK	900	1:50	13:13:56.2	+31:31:26	300	90	3.0	#2 SN Observat	2	
0006.DARK	900	2:05	13:29:08.5	+31:31:24	300	90	3.0	#2 SN Observat	2	
0007.DARK	900	2:20	13:44:24.3	+31:31:22	300	90	3.0	#2 SN Observat	2	
0008.DARK	900	2:35	13:59:40.5	+31:31:19	300	90	3.0	#2 SN Observat	2	
0009.DARK	900	2:51	14:14:56.4	+31:31:16	300	90	3.0	#2 SN Observat	2	
0010.DARK	900	3:06	14:30:12.0	+31:31:13	300	90	3.0	#2 SN Observat	2	
0011-0020.BIAS	0	3:26	14:35:16.4	+31:31:12	300	90	3.0	#2 SN Observat	2	
0021.FLAT	12	3:27	14:36:25.3	+31:31:12	300	90	3.0	#2 SN Observat	2	
0022-0030.FLAT	12	3:30	14:40:02.7	+31:31:11	300	90	3.0	#2 SN Observat	2	
0031-0040.FLAT	12	3:35	14:44:09.4	+31:31:10	300	90	3.0	#2 SN Observat	2	
0043.N5846	300	3:52	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	2	
0044.COMP	10	3:58	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	2	
0045.DracoC1	1200	4:04	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0046.COMP	10	4:25	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0048.sn2005az	1500	4:40	13:05:46.9	+27:44:08	300	74	3.0	#2 SN Observat	2	
0049.COMP	10	5:06	13:05:46.9	+27:44:08	300	74	3.0	#2 SN Observat	2	
0050.sn05_m51	1200	5:25	13:29:51.2	+47:10:13	300	96	3.0	#2 SN Observat	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>
0051.COMP	10	5:46	13:29:51.2	+47:10:13	300	96	3.0	#2 SN Observat	2	
0052.RSOph	10	6:04	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0053.RSOph	60	6:05	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0054.RSOph	150	6:06	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0055.COMP	10	6:09	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0056.YYHer	10	6:12	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0057.YYHer	60	6:12	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0058.COMP	10	6:14	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0059.V443Her	5	6:17	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0060.V443Her	45	6:17	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0061.V443Her	90	6:19	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0062.COMP	10	6:21	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0063.BFCyg	1	6:24	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0064.BFCyg	60	6:24	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0065.COMP	10	6:26	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0066.CHCyg	1	6:32	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0067.CHCyg	5	6:33	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0068.CHCyg	30	6:33	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0069.COMP	10	6:34	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0070.CICyg	2	6:37	19:50:12	35:41:02	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
0071.CICyg	20	6:38	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0072.CICyg	60	6:38	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0073.COMP	10	6:40	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0074.PUVu1	1	6:42	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0075.PUVu1	10	6:43	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0076.PUVu1	60	6:44	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0077.COMP	10	6:45	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0078.2M17383307+0246126	600	7:00	17:38:33.0	+02:46:12	300	90	3.0	#141 Mapping t	2	
0079.COMP	10	7:10	17:38:33.0	+02:46:12	300	90	3.0	#141 Mapping t	2	
0080.2M17430256+0430162	720	7:15	17:43:2.5	+04:30:16	300	90	3.0	#141 Mapping t	2	
0081.COMP	10	7:27	17:43:2.5	+04:30:16	300	90	3.0	#141 Mapping t	2	
0082.2M17441471+0724262	600	7:32	17:44:14.7	+07:24:26	300	90	3.0	#141 Mapping t	2	
0083.COMP	10	7:43	17:44:14.7	+07:24:26	300	90	3.0	#141 Mapping t	2	
0084.2M17491943+1059423	720	7:48	17:49:19.4	+10:59:42	300	90	3.0	#141 Mapping t	2	
0085.COMP	10	8:00	17:49:19.4	+10:59:42	300	90	3.0	#141 Mapping t	2	
0086.2M17503870+0525436	720	8:05	17:50:38.7	+05:25:43	300	90	3.0	#141 Mapping t	2	
0087.COMP	10	8:17	17:50:38.7	+05:25:43	300	90	3.0	#141 Mapping t	2	
0088.2M17514001+1411414	600	8:22	17:51:40.0	+14:11:41	300	90	3.0	#141 Mapping t	2	
0089.COMP	10	8:32	17:51:40.0	+14:11:41	300	90	3.0	#141 Mapping t	2	
0090.2M17544014+5631344	480	8:36	17:54:40.1	+56:31:34	300	90	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0091.COMP	10	8:44	17:54:40.1	+56:31:34	300	90	3.0	#141 Mapping t	2	
0092.2M17560106+1611396	600	8:51	17:56:1.0	+16:11:39	300	90	3.0	#141 Mapping t	2	
0093.COMP	10	9:02	17:56:1.0	+16:11:39	300	90	3.0	#141 Mapping t	2	
0094.2M20170985+0730075	600	9:07	20:17:9.8	+07:30:7	300	90	3.0	#141 Mapping t	2	
0095.COMP	10	9:17	20:17:9.8	+07:30:7	300	90	3.0	#141 Mapping t	2	
0096.2M20190372-0108522	600	9:21	20:19:3.7	-01:08:52	300	90	3.0	#141 Mapping t	2	
0097.COMP	10	9:31	20:19:3.7	-01:08:52	300	90	3.0	#141 Mapping t	2	
0098.2M20202370-0044227	600	9:35	20:20:23.7	-00:44:22	300	90	3.0	#141 Mapping t	2	
0099.COMP	10	9:46	20:20:23.7	-00:44:22	300	90	3.0	#141 Mapping t	2	
0100.sn2005cp	1200	10:10	23:59:30.8	18:12:09	300	110	3.0	#2 SN Observat	2	
0101.COMP	10	10:30	23:59:30.8	18:12:09	300	110	3.0	#2 SN Observat	2	
0105.BDp284211	90	10:51	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0106.COMP	10	10:53	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0107.BDp174708	60	10:56	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0108.COMP	10	10:57	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0109.ZAnd	2	11:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0110.ZAnd	10	11:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0111.ZAnd	60	11:05	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0112.COMP	10	11:06	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0113-0122.BIAS	0	11:34	21:56:29.0	-07:45:16	300	90	3.0	none	2	



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Coll. Focus 1071 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>
0124-0144.FLAT	12	11:59	21:56:29.0	-07:45:16	300	90	3.0	none	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	3:06	14:19:39.3	+31:31:15	300	90	3.0	none	4	
0002.BIAS	30	3:14	14:27:58.3	+31:31:13	300	90	3.0	none	4	
0003.SKY	120	3:16	14:31:22.2	+31:31:13	300	90	3.0	#57 Velocity S	4	
0004.COMP	5	3:20	14:32:57.7	+31:31:12	300	90	3.0	#57 Velocity S	4	
0005-0014.BIAS	0	3:22	14:34:58.8	+31:31:12	300	90	3.0	none	4	
0015-0016.FLAT	8	3:22	14:35:38.4	+31:31:12	300	90	3.0	none	4	
0017-0024.FLAT	8	3:25	14:38:19.3	+31:31:11	300	90	3.0	none	4	
0025-0030.BIAS	0	3:26	14:39:41.4	+31:31:11	300	90	3.0	none	2	
0031-0034.BIAS	0	3:27	14:40:33.2	+31:31:10	300	90	3.0	none	2	
0035-0039.FLAT	16	3:30	14:43:09.8	+31:31:10	300	90	3.0	none	2	
0040-0051.FLAT	16	3:36	14:45:32.3	+31:31:09	300	90	3.0	none	2	
0052.N4486B	500	3:44	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	2	
0053.COMP	5	3:53	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	2	
0054.N4486B	360	3:55	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0055.COMP	5	4:01	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0056.MRK421	300	4:09	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0057.COMP	5	4:17	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0058.N4151	180	4:19	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0059.COMP	5	4:23	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0060.N5548	240	4:32	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	

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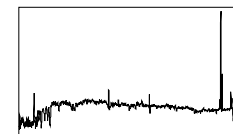
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0061.COMP	5	4:30	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0062.2M17082557-0557498	1200	4:50	17:08:25.5	-05:57:49	300	90	3.0	#141 Mapping t	4	Ha at p2231
0063.2M17082557-0557498	1200	5:11	17:08:25.5	-05:57:49	300	90	3.0	#141 Mapping t	4	
0064.COMP	5	5:33	17:08:25.5	-05:57:49	300	90	3.0	#141 Mapping t	4	
0065.sn2005az	1500	5:46	13:05:46.9	+27:44:08	300	70	3.0	#2 SN Observat	2	
0066.COMP	10	6:12	13:05:46.9	+27:44:08	300	70	3.0	#2 SN Observat	2	
0067.sn2005cs	900	6:17	13:29:53.3	47:10:28	300	90	3.0	#2 SN Observat	2	
0068.COMP	10	6:33	13:29:53.3	47:10:28	300	90	3.0	#2 SN Observat	2	
0069.2M17383307+0246126	480	6:40	17:38:33.0	+02:46:12	300	90	3.0	#141 Mapping t	4	
0070.COMP	5	6:48	17:38:33.0	+02:46:12	300	90	3.0	#141 Mapping t	4	
0071.2M17430256+0430162	600	6:51	17:43:2.5	+04:30:16	300	90	3.0	#141 Mapping t	4	
0072.COMP	5	7:01	17:43:2.5	+04:30:16	300	90	3.0	#141 Mapping t	4	
0073.2M17122774-2322108	1200	7:07	17:12:27.7	-23:22:11	300	20	3.0	#141 Mapping t	4	
0074.2M17122774-2322108	1200	7:21	17:12:27.7	-23:22:11	300	20	3.0	#141 Mapping t	4	
0075.COMP	5	7:41	17:12:27.7	-23:22:11	300	20	3.0	#141 Mapping t	4	
0076.2M17491943+1059423	360	7:50	17:49:19.4	+10:59:42	300	90	3.0	#141 Mapping t	4	
0077.COMP	5	7:56	17:49:19.4	+10:59:42	300	90	3.0	#141 Mapping t	4	
0078.2M17503870+0525436	480	8:00	17:50:38.7	+05:25:43	300	90	3.0	#141 Mapping t	4	
0079.COMP	5	8:13	17:50:38.7	+05:25:43	300	90	3.0	#141 Mapping t	4	
0080.2M18004889+2302471	360	8:27	18:00:48.9	+23:02:47	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
0081.COMP	5	8:34	18:00:48.9	+23:02:47	300	90	3.0	#141 Mapping t	4	
0082.2M18004889+2302471	480	8:39	18:00:48.9	+23:02:47	300	90	3.0	#141 Mapping t	4	
0083.COMP	5	8:47	18:00:48.9	+23:02:47	300	90	3.0	#141 Mapping t	4	
0084.2M17580077+4323076	720	8:51	17:58:0.7	+43:23:7	300	90	3.0	#141 Mapping t	4	
0085.COMP	5	9:04	17:58:0.7	+43:23:7	300	90	3.0	#141 Mapping t	4	
0086.2M18011822+4217365	300	9:08	18:01:18.2	+42:17:36	300	90	3.0	#141 Mapping t	4	
0087.COMP	5	9:15	18:01:18.2	+42:17:36	300	90	3.0	#141 Mapping t	4	
0088.2M18014072+4434004	300	9:16	18:01:40.7	+44:34:0	300	90	3.0	#141 Mapping t	4	
0089.COMP	5	9:22	18:01:40.7	+44:34:0	300	90	3.0	#141 Mapping t	4	
0090.2M18280402+6544511	360	9:24	18:28:4.0	+65:44:51	300	90	3.0	#141 Mapping t	4	
0091.COMP	5	9:31	18:28:4.0	+65:44:51	300	90	3.0	#141 Mapping t	4	
0092.2M18392009+7548579	450	9:33	18:39:20.0	+75:48:57	300	90	3.0	#141 Mapping t	4	
0093.COMP	5	9:41	18:39:20.0	+75:48:57	300	90	3.0	#141 Mapping t	4	
0094.2M18493767+6244510	600	9:42	18:49:37.6	+62:44:51	300	90	3.0	#141 Mapping t	4	
0095.COMP	5	9:53	18:49:37.6	+62:44:51	300	90	3.0	#141 Mapping t	4	
0096.2M18571974+6025501	480	9:54	18:57:19.7	+60:25:50	300	90	3.0	#141 Mapping t	4	
0097.COMP	5	10:02	18:57:19.7	+60:25:50	300	90	3.0	#141 Mapping t	4	
0098.2M19022329+5550590	360	10:04	19:02:23.3	+55:50:59	300	30	3.0	#141 Mapping t	4	
0099.COMP	5	10:11	19:02:23.3	+55:50:59	300	30	3.0	#141 Mapping t	4	
0100.2M19025940+7342331	600	10:17	19:02:59.3	+73:42:33	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.COMP	5	10:28	19:02:59.3	+73:42:33	300	90	3.0	#141 Mapping t	4	
0102.2M19025940+7342331	600	10:29	19:02:59.3	+73:42:33	300	90	3.0	#141 Mapping t	4	
0103.COMP	5	10:39	19:02:59.3	+73:42:33	300	90	3.0	#141 Mapping t	4	
0104.2M19185103+7345430	720	10:45	19:18:51.0	+73:45:43	300	90	3.0	#141 Mapping t	4	
0105.2M19185103+7345430	600	10:58	19:18:51.0	+73:45:43	300	90	3.0	#141 Mapping t	4	
0106.COMP	5	11:08	19:18:51.0	+73:45:43	300	90	3.0	#141 Mapping t	4	
0107.BDp174708	45	11:11	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0108.COMP	10	11:13	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0109.BDp174708	30	11:14	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	4	
0110.COMP	5	11:15	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	4	
0111.BDp284211	30	11:16	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	4	
0112.COMP	5	11:17	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	4	
0113.BDp284211	45	11:18	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0114.COMP	10	11:19	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0115.MRK509	180	11:22	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	4	
0116.COMP	5	11:26	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	4	
0117.N7469	120	11:27	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	4	
0118.COMP	5	11:30	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	4	
0119-0128.BIAS	0	11:35	23:03:15.7	+08:52:27	300	90	3.0	#141 Mapping t	4	
0129-0138.FLAT	8	11:38	23:03:15.7	+08:52:27	300	90	3.0	#141 Mapping t	4	



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0139-0148.BIAS	0	11:40	23:03:15.7	+08:52:27	300	90	3.0	#141 Mapping t	2	
0149-0169.FLAT	16	11:51	23:03:15.7	+08:52:27	300	90	3.0	#141 Mapping t	2	
0170.BIAS	0	11:54	23:03:15.7	+08:52:27	300	90	3.0	#141 Mapping t	2	
0171-0175.DARK	900	13:00	23:03:15.7	+08:52:27	300	90	3.0	#141 Mapping t	2	