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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	0:45	18:35:00	32:00:00	300	90	3.0	#2 SN Observat	2	
0011.BIAS	0	1:07	18:35:00	32:00:00	300	90	3.0	#2 SN Observat	4	clear skies
0012-0020.BIAS	0	1:08	18:35:00	32:00:00	300	90	3.0	#2 SN Observat	4	
0021-0030.FLAT	8	1:12	18:35:00	32:00:00	300	90	3.0	#2 SN Observat	4	
0031-0040.BIAS	0	1:14	18:35:00	32:00:00	300	90	3.0	#2 SN Observat	2	
0041-0061.FLAT	16	1:24	18:35:00	32:00:00	300	90	3.0	#2 SN Observat	2	
0062-0066.sky	3	1:27	18:40:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0067.COMP	5	1:28	18:40:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0068.2M16330514+1145406	300	2:07	16:33:5.1	+11:45:40	300	90	3.0	#141 Mapping t	4	
0069.COMP	5	2:12	16:33:5.1	+11:45:40	300	90	3.0	#141 Mapping t	4	
0070.2M16390289-0625160	300	2:14	16:39:2.9	-06:25:15	300	90	3.0	#141 Mapping t	4	
0071.COMP	5	2:19	16:39:2.9	-06:25:15	300	90	3.0	#141 Mapping t	4	
0072.2M16410624-0510039	360	2:21	16:41:6.2	-05:10:4	300	90	3.0	#141 Mapping t	4	
0073.COMP	5	2:27	16:41:6.2	-05:10:4	300	90	3.0	#141 Mapping t	4	
0074.2M16310223-0427308	900	2:28	16:31:2.2	-04:27:30	300	90	3.0	#141 Mapping t	4	pesky star also in slit to E
0075.COMP	5	2:43	16:31:2.2	-04:27:30	300	90	3.0	#141 Mapping t	4	
0076.2M16592042-0153111	660	2:51	16:59:20.4	-01:53:11	300	90	3.0	#141 Mapping t	4	uhoh RA drive stopped working
0077.COMP	5	3:03	16:59:20.4	-01:53:11	300	90	3.0	#141 Mapping t	4	
0078.2M22473221+4113367	300	3:06	22:47:32.2	+41:13:37	300	90	3.0	#141 Mapping t	4	
0079.COMP	5	3:12	22:47:32.2	+41:13:37	300	90	3.0	#141 Mapping t	4	

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0080.2M22524589+3829545	270	3:12	22:52:45.9	+38:29:54	300	90	3.0	#141 Mapping t	4	
0081.COMP	5	3:17	22:52:45.9	+38:29:54	300	90	3.0	#141 Mapping t	4	
0082.2M22532386+3401059	300	3:18	22:53:23.8	+34:01:6	300	90	3.0	#141 Mapping t	4	
0083.COMP	5	3:25	22:53:23.8	+34:01:6	300	90	3.0	#141 Mapping t	4	
0084.2M22534585+4730274	300	3:26	22:53:45.8	+47:30:27	300	90	3.0	#141 Mapping t	4	
0085.COMP	5	3:31	22:53:45.8	+47:30:27	300	90	3.0	#141 Mapping t	4	
0086.MRK509	180	3:46	20:44:09.8	-10:43:24	300	0	3.0	#6 AGN Monitor	4	
0087.MRK509	180	3:49	20:44:09.8	-10:43:24	300	0	3.0	#6 AGN Monitor	4	
0088.COMP	5	3:52	20:44:09.8	-10:43:24	300	0	3.0	#6 AGN Monitor	4	more problems with RA drive cutting out
0089.2M00262146+3929450	330	4:13	00:26:21.4	+39:29:45	300	90	3.0	#141 Mapping t	2	restart everything
0090.COMP	10	4:20	00:26:21.4	+39:29:45	300	90	3.0	#141 Mapping t	2	
0091.2M00281880+4537189	300	4:21	00:28:18.7	+45:37:18	300	90	3.0	#141 Mapping t	4	
0092.COMP	5	4:27	00:28:18.7	+45:37:18	300	90	3.0	#141 Mapping t	4	
0093.2M00301048+4510283	300	4:29	00:30:10.5	+45:10:28	300	90	3.0	#141 Mapping t	4	
0094.COMP	5	4:34	00:30:10.5	+45:10:28	300	90	3.0	#141 Mapping t	4	
0095.2M00321815+3957074	300	4:36	00:32:18.1	+39:57:7	300	90	3.0	#141 Mapping t	4	
0096.COMP	5	4:42	00:32:18.1	+39:57:7	300	90	3.0	#141 Mapping t	4	
0097.BDp284211	60	4:47	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	5-sec slit is in
0098.BDp284211	60	4:48	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0099.BDp284211	60	4:49	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	

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0100.BDp284211	60	4:50	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0101.BDp284211	60	4:52	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0102.BDp284211	60	4:53	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0103.BDp284211	60	4:55	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0104.BDp284211	60	4:56	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0105.COMP	10	4:58	21:51:11.1	28:51:53	300	90	5.0	#56 Spectropho	2	
0106.BDp174708	30	5:01	22:11:31.4	18:05:33	300	0	5.0	#56 Spectropho	2	
0107.BDp174708	30	5:01	22:11:31.4	18:05:33	300	0	5.0	#56 Spectropho	2	
0108.BDp174708	30	5:02	22:11:31.4	18:05:33	300	0	5.0	#56 Spectropho	2	
0109.BDp174708	30	5:03	22:11:31.4	18:05:33	300	0	5.0	#56 Spectropho	2	
0110.BDp174708	30	5:04	22:11:31.4	18:05:33	300	0	5.0	#56 Spectropho	2	
0111.BDp174708	30	5:04	22:11:31.4	18:05:33	300	0	5.0	#56 Spectropho	2	
0112.COMP	10	5:06	22:11:31.4	18:05:33	300	0	5.0	#56 Spectropho	2	
0113.FLAT	9	5:08	22:11:31.4	18:05:33	300	90	5.0	#56 Spectropho	2	5-sec slit flats
0114-0122.FLAT	9	5:12	22:11:31.4	18:05:33	300	90	5.0	#56 Spectropho	2	
0123.BDp284211	90	5:15	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	3-sec slit is back in
0124.BDp284211	90	5:17	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0125.BDp284211	90	5:18	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0126.COMP	10	5:20	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0127.BDp174708	45	5:23	22:11:31.4	18:05:33	300	22	3.0	#56 Spectropho	2	

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0128.BDp174708	45	5:23	22:11:31.4	18:05:33	300	22	3.0	#56 Spectropho	2	
0129.BDp174708	45	5:24	22:11:31.4	18:05:33	300	22	3.0	#56 Spectropho	2	
0130.COMP	10	5:26	22:11:31.4	18:05:33	300	22	3.0	#56 Spectropho	2	
0131.Akn564	210	5:33	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0132.Akn564	210	5:37	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0133.COMP	5	5:41	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0134.N7469	150	5:42	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	4	
0135.N7469	150	5:45	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	4	
0136.COMP	5	5:48	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	4	
0137.0150_04	900	5:50	01:09:10.6	13:06:32	300	90	3.0	#160 2MACS	4	
0138.COMP	5	6:05	01:09:10.6	13:06:32	300	90	3.0	#160 2MACS	4	
0139.0150_05	540	6:06	01:09:17.3	13:07:24	300	90	3.0	#160 2MACS	4	
0140.COMP	5	6:15	01:09:17.3	13:07:24	300	90	3.0	#160 2MACS	4	
0141.0150_06	720	6:16	01:08:41.3	13:09:53	300	90	3.0	#160 2MACS	4	
0142.COMP	5	6:29	01:08:41.3	13:09:53	300	90	3.0	#160 2MACS	4	
0143.0150_07	420	6:29	01:09:22.6	13:15:20	300	90	3.0	#160 2MACS	4	
0144.COMP	5	6:37	01:09:22.6	13:15:20	300	90	3.0	#160 2MACS	4	
0145.0150_08	600	6:37	01:07:57.1	13:21:16	300	90	3.0	#160 2MACS	4	
0146.COMP	5	6:48	01:07:57.1	13:21:16	300	90	3.0	#160 2MACS	4	
0147.158m213	300	6:49	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	

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0148.COMP	5	6:54	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	
0149.f1_01	420	6:56	0:55:32.3	+13:30:37	300	90	3.0	#163 Mapping M	4	
0150.COMP	5	7:03	0:55:32.3	+13:30:37	300	90	3.0	#163 Mapping M	4	
0151.f1_02	720	7:04	0:54:03.2	+13:08:34	300	90	3.0	#163 Mapping M	4	
0152.COMP	5	7:16	0:54:03.2	+13:08:34	300	90	3.0	#163 Mapping M	4	
0153.f1_03	900	7:17	0:52:52.0	+13:00:54	300	90	3.0	#163 Mapping M	4	
0154.COMP	5	7:32	0:52:52.0	+13:00:54	300	90	3.0	#163 Mapping M	4	
0155.f1_04	900	7:33	0:52:35.4	+12:58:58	300	90	3.0	#163 Mapping M	4	
0156.COMP	5	7:48	0:52:35.4	+12:58:58	300	90	3.0	#163 Mapping M	4	
0157.f1_05	1200	7:49	0:50:47.0	+13:31:29	300	90	3.0	#163 Mapping M	4	
0158.COMP	5	8:09	0:50:47.0	+13:31:29	300	90	3.0	#163 Mapping M	4	
0159.sn2005ek	1800	8:15	03:05:48.9	+36:46:10	300	81	3.0	#2 SN Observat	2	RA drive cut out again
0160.COMP	10	8:46	03:05:48.9	+36:46:10	300	81	3.0	#2 SN Observat	2	
0161.sn2005M006	1800	8:50	02:30:27.2	-09:16:10	300	-5	3.0	#2 SN Observat	2	
0162.COMP	10	9:20	02:30:27.2	-09:16:10	300	-5	3.0	#2 SN Observat	2	
0163.0376_26	420	9:24	02:46:16.0	+37:02:14	300	90	3.0	#160 2MACS	4	
0164.COMP	5	9:31	02:46:16.0	+37:02:14	300	90	3.0	#160 2MACS	4	
0165.0376_27	330	9:32	02:47:43.5	+37:10:30	300	90	3.0	#160 2MACS	4	
0166.COMP	5	9:38	02:47:43.5	+37:10:30	300	90	3.0	#160 2MACS	4	
0167.0376_28	480	9:38	02:45:38.7	+37:18:24	300	90	3.0	#160 2MACS	4	

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0168.COMP	5	9:47	02:45:38.7	+37:18:24	300	90	3.0	#160 2MACS	4	
0169.0397_02	240	9:48	02:55:39.8	+15:09:32	300	90	3.0	#160 2MACS	4	
0170.COMP	5	9:52	02:55:39.8	+15:09:32	300	90	3.0	#160 2MACS	4	
0171.0397_03	360	9:53	02:56:08.7	+15:12:47	300	90	3.0	#160 2MACS	4	
0172.COMP	5	10:00	02:56:08.7	+15:12:47	300	90	3.0	#160 2MACS	4	
0173.0397_04	360	10:00	02:55:06.9	+15:14:10	300	90	3.0	#160 2MACS	4	
0174.COMP	5	10:07	02:55:06.9	+15:14:10	300	90	3.0	#160 2MACS	4	
0175.0397_05	210	10:08	02:54:36.3	+15:25:44	300	90	3.0	#160 2MACS	4	it was either going to be a star or a nice agn
0176.COMP	5	10:12	02:54:36.3	+15:25:44	300	90	3.0	#160 2MACS	4	agn wins
0177.0397_06	1200	10:14	02:58:39.3	+15:35:10	300	90	3.0	#160 2MACS	4	
0178.COMP	5	10:34	02:58:39.3	+15:35:10	300	90	3.0	#160 2MACS	4	
0179.0397_07	480	10:35	02:57:38.3	+15:37:20	300	90	3.0	#160 2MACS	4	
0180.COMP	5	10:44	02:57:38.3	+15:37:20	300	90	3.0	#160 2MACS	4	
0181.0397_08	540	10:44	02:56:30.2	+15:37:37	300	90	3.0	#160 2MACS	4	
0182.COMP	5	10:54	02:56:30.2	+15:37:37	300	90	3.0	#160 2MACS	4	
0183.0397_09	360	10:54	02:58:36.0	+15:37:42	300	90	3.0	#160 2MACS	4	
0184.COMP	5	11:01	02:58:36.0	+15:37:42	300	90	3.0	#160 2MACS	4	
0185.0397_10	360	11:01	02:56:57.2	+15:38:59	300	90	3.0	#160 2MACS	4	
0186.COMP	5	11:08	02:56:57.2	+15:38:59	300	90	3.0	#160 2MACS	4	
0187.0397_11	330	11:08	02:56:08.9	+15:43:46	300	90	3.0	#160 2MACS	4	

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0188.COMP	5	11:14	02:56:08.9	+15:43:46	300	90	3.0	#160 2MACS	4	
0189.0397_12	720	11:15	02:55:25.2	+15:45:56	300	90	3.0	#160 2MACS	4	
0190.COMP	5	11:27	02:55:25.2	+15:45:56	300	90	3.0	#160 2MACS	4	
0191.sn2005eo	1800	11:33	7:59:13.9	+32:55:19	300	100	3.0	#2 SN Observat	2	
0192.COMP	10	12:03	7:59:13.9	+32:55:19	300	100	3.0	#2 SN Observat	2	
0193.HD35150	5	12:07	05:22:47.9	+01:43:00	300	0	3.0	#112 Orion OB1	4	
0194.HD35150	5	12:07	05:22:47.9	+01:43:00	300	0	3.0	#112 Orion OB1	4	
0195.COMP	5	12:07	05:22:47.9	+01:43:00	300	0	3.0	#112 Orion OB1	4	
0196.HD287787	10	12:10	05:23:06.8	+01:18:23	300	0	3.0	#112 Orion OB1	4	
0197.HD287787	10	12:10	05:23:06.8	+01:18:23	300	0	3.0	#112 Orion OB1	4	
0198.COMP	5	12:11	05:23:06.8	+01:18:23	300	0	3.0	#112 Orion OB1	4	
0199.HD287846	10	12:12	05:24:12.7	+01:34:12	300	0	3.0	#112 Orion OB1	4	
0200.HD287846	10	12:13	05:24:12.7	+01:34:12	300	0	3.0	#112 Orion OB1	4	
0201.COMP	5	12:13	05:24:12.7	+01:34:12	300	0	3.0	#112 Orion OB1	4	
0202.HD35351	10	12:14	05:24:13.0	+01:46:42	300	0	3.0	#112 Orion OB1	4	
0203.HD35351	10	12:15	05:24:13.0	+01:46:42	300	0	3.0	#112 Orion OB1	4	
0204.COMP	5	12:15	05:24:13.0	+01:46:42	300	0	3.0	#112 Orion OB1	4	
0205.HD287860	10	12:16	05:24:13.9	+01:15:43	300	0	3.0	#112 Orion OB1	4	
0206.HD287860	10	12:16	05:24:13.9	+01:15:43	300	0	3.0	#112 Orion OB1	4	
0207.COMP	5	12:17	05:24:13.9	+01:15:43	300	0	3.0	#112 Orion OB1	4	

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0208.HD35367	10	12:18	05:24:20.7	+01:35:26	300	0	3.0	#112 Orion OB1	4	
0209.HD35367	10	12:18	05:24:20.7	+01:35:26	300	0	3.0	#112 Orion OB1	4	
0210.COMP	5	12:19	05:24:20.7	+01:35:26	300	0	3.0	#112 Orion OB1	4	
0211.HIP25302	0	12:20	05:24:44.8	+01:50:47	300	0	3.0	#112 Orion OB1	4	
0212.HIP25302	0	12:20	05:24:44.8	+01:50:47	300	0	3.0	#112 Orion OB1	4	
0213.COMP	5	12:21	05:24:44.8	+01:50:47	300	0	3.0	#112 Orion OB1	4	
0214-0223.BIAS	0	12:24	05:24:44.8	+01:50:47	300	90	3.0	#160 2MACS	4	
0224-0233.FLAT	8	12:28	05:24:44.8	+01:50:47	300	90	3.0	#160 2MACS	4	
0234-0243.BIAS	0	12:30	05:24:44.8	+01:50:47	300	90	3.0	#160 2MACS	2	
0244-0264.FLAT	16	12:40	05:24:44.8	+01:50:47	300	90	3.0	#160 2MACS	2	
0265-0274.DARK	900	15:12	05:24:44.8	+01:50:47	300	90	3.0	#160 2MACS	4	