

UT Date 2006-11-11 Observers G. NarayanColl. Focus 1320 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>
0009.BIAS	0	20:44	15:20:55.5	+31:31:22	300	90	3.0	#2 SN Observat	2	
0010-0014.DARK	900	22:24	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	4	
0015-0019.DARK	900	23:41	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0020-0029.BIAS	0	0:56	13:51:53.6	69:33:13	300	90	3.0	#2 SN Observat	4	
0030-0039.FLAT	12	0:59	13:51:53.6	69:33:13	300	90	3.0	#2 SN Observat	4	
0040-0049.BIAS	0	1:01	13:51:53.6	69:33:13	300	90	3.0	#2 SN Observat	2	
0050-0064.FLAT	25	1:10	13:51:53.6	69:33:13	300	90	3.0	#2 SN Observat	2	
0065.BDp284211	90	1:29	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	65-75 not at PA
0066.COMP	10	1:31	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0067.BDp284211	90	1:33	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0068.COMP	10	1:35	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0069.COMP	10	1:37	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0070.BDp174708	45	1:42	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0071.COMP	10	1:44	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0072.BDp174708	45	1:44	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0073.COMP	10	1:45	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0074.BDp174708	45	1:48	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0075.COMP	10	1:49	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0076.N7331	180	1:54	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0077.COMP	10	1:57	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.BDp284211	90	2:05	21:51:11.1	28:51:53	300	30	3.0	#56 Spectropho	2	At PA
0079.COMP	10	2:06	21:51:11.1	28:51:53	300	30	3.0	#56 Spectropho	2	
0080.BDp284211	90	2:07	21:51:11.1	28:51:53	300	30	3.0	#56 Spectropho	2	At PA
0081.COMP	10	2:09	21:51:11.1	28:51:53	300	30	3.0	#56 Spectropho	2	
0082.BDp174708	45	2:13	22:11:31.4	18:05:33	300	-4	3.0	#56 Spectropho	2	Junk-not in slit
0083.BDp174708	45	2:15	22:11:31.4	18:05:33	300	-4	3.0	#56 Spectropho	2	At PA
0084.COMP	10	2:16	22:11:31.4	18:05:33	300	-4	3.0	#56 Spectropho	2	
0085.BDp174708	45	2:17	22:11:31.4	18:05:33	300	-4	3.0	#56 Spectropho	2	At PA
0086.COMP	10	2:18	22:11:31.4	18:05:33	300	-4	3.0	#56 Spectropho	2	
0087.BFCyg	1	2:24	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0088.COMP	10	2:25	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0089.BFCyg	60	2:25	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0090.COMP	10	2:27	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0091.CHCyg	1	2:30	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0092.CHCyg	5	2:30	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0093.CHCyg	30	2:31	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0094.COMP	10	2:31	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0095.CICyg	2	2:34	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0096.CICyg	20	2:35	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0097.CICyg	60	2:35	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	

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0098.COMP	10	2:37	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0099.PUVu1	1	2:39	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0100.PUVu1	10	2:40	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0101.PUVu1	60	2:40	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0102.COMP	10	2:42	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0103.ZAnd	1	2:45	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0104.ZAnd	5	2:46	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0105.ZAnd	30	2:47	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0106.COMP	10	2:47	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0107.RAqr	0	2:52	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0108.RAqr	1	2:53	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0109.RAqr	5	2:53	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0110.RAqr	10	2:53	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0111.COMP	10	2:54	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0112.N7469	120	3:03	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0113.N7469	120	3:07	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0114.COMP	10	3:09	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0115.Akn564	180	3:15	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0116.Akn564	180	3:19	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0117.COMP	10	3:22	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	

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0118.sn16215	1800	3:39	01:13:37.8	+00:25:25	300	-35	3.0	#2 SN Observat	2	
0119.COMP	10	4:10	01:13:37.8	+00:25:25	300	-35	3.0	#2 SN Observat	2	forgot to turn off guider
0120.COMP	10	4:11	01:13:37.8	+00:25:25	300	-35	3.0	#2 SN Observat	2	guider off
0121.fmfa093	450	4:17	01:30:48.3	33:54:21	300	90	3.0	#171 Local Uni	2	
0122.COMP	10	4:25	01:30:48.3	33:54:21	300	90	3.0	#171 Local Uni	2	forgot to turn off guider
0123.COMP	10	4:26	01:30:48.3	33:54:21	300	90	3.0	#171 Local Uni	2	guider off-Mike says no big deal
0124.fmfa094	900	4:29	01:31:23.8	33:08:38	300	90	3.0	#171 Local Uni	2	
0125.COMP	10	4:45	01:31:23.8	33:08:38	300	90	3.0	#171 Local Uni	2	
0126.fmfa095	450	4:48	01:31:26.5	33:21:22	300	90	3.0	#171 Local Uni	2	
0127.COMP	10	4:58	01:31:26.5	33:21:22	300	90	3.0	#171 Local Uni	2	
0128.fmfa096	1200	5:02	01:31:31.5	32:47:45	300	90	3.0	#171 Local Uni	2	
0129.COMP	10	5:23	01:31:31.5	32:47:45	300	90	3.0	#171 Local Uni	2	
0130.fmfa097	600	5:26	01:31:36.9	33:19:20	300	90	3.0	#171 Local Uni	2	
0131.COMP	10	5:37	01:31:36.9	33:19:20	300	90	3.0	#171 Local Uni	2	
0132.fmfa098	600	5:40	01:31:37.6	32:59:22	300	90	3.0	#171 Local Uni	2	
0133.COMP	10	5:50	01:31:37.6	32:59:22	300	90	3.0	#171 Local Uni	2	
0134.AXPer	4	5:55	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0135.AXPer	30	5:55	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0136.AXPer	90	5:56	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0137.COMP	10	5:59	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	

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0138.EGAnd	1	6:03	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0139.EGAnd	5	6:03	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0140.EGAnd	10	6:04	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0141.COMP	10	6:04	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0142.fmfa120	300	6:08	02:28:10.4	28:12:43	300	90	3.0	#171 Local Uni	2	
0143.COMP	10	6:14	02:28:10.4	28:12:43	300	90	3.0	#171 Local Uni	2	
0144.fmfa121	450	6:16	02:28:10.5	28:19:33	300	90	3.0	#171 Local Uni	2	
0145.COMP	10	6:24	02:28:10.5	28:19:33	300	90	3.0	#171 Local Uni	2	
0146.fmfa122	450	6:29	02:28:11.7	27:53:14	300	90	3.0	#171 Local Uni	2	
0147.COMP	10	6:38	02:28:11.7	27:53:14	300	90	3.0	#171 Local Uni	2	
0148.fmfa123	300	6:40	02:28:14.0	28:23:40	300	90	3.0	#171 Local Uni	2	
0149.COMP	10	6:46	02:28:14.0	28:23:40	300	90	3.0	#171 Local Uni	2	
0150.fmfa124	450	6:48	02:28:20.1	28:16:24	300	90	3.0	#171 Local Uni	2	
0151.COMP	10	6:57	02:28:20.1	28:16:24	300	90	3.0	#171 Local Uni	2	
0152.fmfa125	300	6:59	02:28:22.5	28:08:06	300	90	3.0	#171 Local Uni	2	
0153.COMP	10	7:05	02:28:22.5	28:08:06	300	90	3.0	#171 Local Uni	2	
0154.hxPer193	450	7:16	2:19:45.2	57:19:31	300	90	3.0	#170 h & chi P	2	seeing poor 2arcsec-wind not stable
0155.COMP	10	7:24	2:19:45.2	57:19:31	300	90	3.0	#170 h & chi P	2	
0156.hxPer194	450	7:28	2:18:21.0	56:42:58	300	90	3.0	#170 h & chi P	2	
0157.COMP	10	7:36	2:18:21.0	56:42:58	300	90	3.0	#170 h & chi P	2	

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0158.hxPer195	360	7:40	2:17:9.0	57:6:5	300	99	3.0	#170 h & chi P	2	
0159.COMP	10	7:47	2:17:9.0	57:6:5	300	99	3.0	#170 h & chi P	2	
0160.hxPer196	450	7:50	2:18:2.3	56:54:48	300	90	3.0	#170 h & chi P	2	
0161.COMP	10	7:59	2:18:2.3	56:54:48	300	90	3.0	#170 h & chi P	2	
0162.hxPer197	450	8:05	2:23:6.5	57:20:42	300	90	3.0	#170 h & chi P	2	
0163.COMP	10	8:15	2:23:6.5	57:20:42	300	90	3.0	#170 h & chi P	2	
0164.sn20061f	1800	8:23	04:38:29.4	44:02:01	300	21	3.0	#2 SN Observat	2	
0165.COMP	10	8:54	04:38:29.4	44:02:01	300	21	3.0	#2 SN Observat	2	
0166.sn20061e	2400	9:00	05:00:41.9	62:15:19	300	3	3.0	#2 SN Observat	2	
0167.COMP	10	9:42	05:00:41.9	62:15:19	300	3	3.0	#2 SN Observat	2	
0168.05405732+4404545	720	9:49	05:40:57.3	+44:04:54	300	100	3.0	#141 Mapping t	2	
0169.COMP	10	10:03	05:40:57.3	+44:04:54	300	100	3.0	#141 Mapping t	2	
0170.BGGem	300	10:10	6:03:31	27:41:50	300	110	3.0	#12 Symbiotic	2	
0171.COMP	10	10:16	6:03:31	27:41:50	300	110	3.0	#12 Symbiotic	2	
0172.06195525-0311233	720	10:21	06:19:55.2	-03:11:23	300	90	3.0	#141 Mapping t	2	
0173.COMP	10	10:34	06:19:55.2	-03:11:23	300	90	3.0	#141 Mapping t	2	
0174.06275421+2246238	900	10:48	06:27:54.2	+22:46:23	300	90	3.0	#141 Mapping t	2	
0175.COMP	10	11:04	06:27:54.2	+22:46:23	300	90	3.0	#141 Mapping t	2	
0176.06282071+2328498	720	11:06	06:28:20.7	+23:28:49	300	90	3.0	#141 Mapping t	2	
0177.COMP	10	11:19	06:28:20.7	+23:28:49	300	90	3.0	#141 Mapping t	2	

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0178.06361014+2349382	600	11:21	06:36:10.1	+23:49:38	300	90	3.0	#141 Mapping t	2	
0179.COMP	10	11:32	06:36:10.1	+23:49:38	300	90	3.0	#141 Mapping t	2	
0180.BXMon	15	11:35	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0181.BXMon	180	11:36	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0182.COMP	10	11:39	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0183.07415847-1241034	900	11:43	07:41:58.4	-12:41:03	300	90	3.0	#141 Mapping t	2	
0184.COMP	10	11:59	07:41:58.4	-12:41:03	300	90	3.0	#141 Mapping t	2	
0185.07585443-1152461	480	12:01	07:58:54.4	-11:52:46	300	90	3.0	#141 Mapping t	2	
0186.COMP	10	12:10	07:58:54.4	-11:52:46	300	90	3.0	#141 Mapping t	2	
0187.sn2006jc	900	12:16	09:17:20.7	+41:54:32	300	58	3.0	#2 SN Observat	2	some moonlight-no guide star
0188.COMP	10	12:32	09:17:20.7	+41:54:32	300	58	3.0	#2 SN Observat	2	
0189-0198.BIAS	0	12:42	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	4	
0199-0208.FLAT	12	12:45	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	4	
0209-0218.BIAS	0	12:47	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	2	
0219-0233.FLAT	25	12:56	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	2	
0234-0238.DARK	900	14:19	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	4	
0239-0243.DARK	900	15:35	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	2	

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0001-0005.DARK	900	23:12	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	4	
0006-0010.DARK	900	0:29	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	2	
0011-0020.BIAS	0	1:07	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	4	
0021-0030.FLAT	12	1:10	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	4	
0031-0040.BIAS	0	1:12	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	2	
0041.FLAT	25	1:12	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	2	Lots of clouds
0042-0055.FLAT	25	1:21	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	2	
0056.COMP	10	1:41	09:17:20.7	+41:54:32	300	90	3.0	#57 Velocity S	2	Tiltpos good
0057.BDp284211	90	2:58	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	2	Tried to get standards in hole
0058.BDp284211	90	3:00	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	2	Extinction visibly changing
0059.COMP	10	3:02	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	2	
0060.BDp174708	45	3:08	22:11:31.4	18:05:33	300	39	3.0	#56 Spectropho	2	Seeing also crap
0061.BDp174708	45	3:09	22:11:31.4	18:05:33	300	39	3.0	#56 Spectropho	2	
0062.COMP	10	3:11	22:11:31.4	18:05:33	300	39	3.0	#56 Spectropho	2	Slewed to N7331-nothing to see-closing
0063.G191B2B	120	6:40	05:05:30.5	52:49:56	300	67	3.0	#56 Spectropho	2	Clear for now
0064.G191B2B	120	6:42	05:05:30.5	52:49:56	300	67	3.0	#56 Spectropho	2	
0065.COMP	10	6:44	05:05:30.5	52:49:56	300	67	3.0	#56 Spectropho	2	
0066.HD19445	5	6:53	03:08:26.2	26:20:28	300	-37	3.0	#56 Spectropho	2	
0067.HD19445	5	6:53	03:08:26.2	26:20:28	300	-37	3.0	#56 Spectropho	2	
0068.COMP	10	6:54	03:08:26.2	26:20:28	300	-37	3.0	#56 Spectropho	2	



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0069.fmfa126	360	7:01	02:28:24.1	28:19:01	300	90	3.0	#171 Local Uni	2	
0070.COMP	10	7:08	02:28:24.1	28:19:01	300	90	3.0	#171 Local Uni	2	
0071.fmfa127	420	7:10	02:28:24.4	28:04:48	300	90	3.0	#171 Local Uni	2	
0072.COMP	10	7:19	02:28:24.4	28:04:48	300	90	3.0	#171 Local Uni	2	
0073.fmfa151	600	7:22	03:35:37.6	10:18:32	300	90	3.0	#171 Local Uni	2	
0074.COMP	10	7:33	03:35:37.6	10:18:32	300	90	3.0	#171 Local Uni	2	
0075.fmfa152	450	7:36	03:35:54.7	9:42:56	300	90	3.0	#171 Local Uni	2	
0076.COMP	10	7:44	03:35:54.7	9:42:56	300	90	3.0	#171 Local Uni	2	
0077.fmfa153	450	7:47	03:36:10.8	9:53:16	300	90	3.0	#171 Local Uni	2	
0078.COMP	10	7:56	03:36:10.8	9:53:16	300	90	3.0	#171 Local Uni	2	
0079.fmfa154	450	7:59	03:36:24.0	10:26:51	300	90	3.0	#171 Local Uni	2	
0080.COMP	10	8:08	03:36:24.0	10:26:51	300	90	3.0	#171 Local Uni	2	
0081.fmfa156	600	8:10	03:36:47.4	9:23:25	300	90	3.0	#171 Local Uni	2	focus and seeing not stable
0082.COMP	10	8:21	03:36:47.4	9:23:25	300	90	3.0	#171 Local Uni	2	
0083.sn20061f	1800	8:33	04:38:29.4	44:02:01	300	10	3.0	#2 SN Observat	2	
0084.COMP	10	9:04	04:38:29.4	44:02:01	300	10	3.0	#2 SN Observat	2	
0085.sn20061e	1800	9:13	05:00:41.9	62:15:19	300	-5	3.0	#2 SN Observat	2	
0086.COMP	10	9:44	05:00:41.9	62:15:19	300	-5	3.0	#2 SN Observat	2	
0087.BGGem	300	9:56	6:03:31	27:41:50	300	70	3.0	#12 Symbiotic	2	
0088.COMP	10	10:04	6:03:31	27:41:50	300	70	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.06122589-1112001	360	10:09	06:12:25.8	-11:12:00	300	90	3.0	#141 Mapping t	2	Still some cloud
0090.COMP	10	10:17	06:12:25.8	-11:12:00	300	90	3.0	#141 Mapping t	2	
0091.06362047-1222463	480	10:19	06:36:20.4	-12:22:46	300	90	3.0	#141 Mapping t	2	
0092.COMP	10	10:28	06:36:20.4	-12:22:46	300	90	3.0	#141 Mapping t	2	
0093.06241069+2423002	600	10:32	06:24:10.6	+24:23:00	300	90	3.0	#141 Mapping t	2	
0094.COMP	10	10:43	06:24:10.6	+24:23:00	300	90	3.0	#141 Mapping t	2	
0095.Hiltner600	90	10:52	06:45:13.4	02:08:14	300	2	3.0	#56 Spectropho	2	
0096.Hiltner600	90	10:54	06:45:13.4	02:08:14	300	2	3.0	#56 Spectropho	2	
0097.COMP	10	10:56	06:45:13.4	02:08:14	300	2	3.0	#56 Spectropho	2	
0098.HD52071	5	11:06	06:57:51	+27:13:42	300	5	3.0	#57 Velocity S	2	
0099.HD52071	5	11:06	06:57:51	+27:13:42	300	5	3.0	#57 Velocity S	2	
0100.COMP	10	11:07	06:57:51	+27:13:42	300	5	3.0	#57 Velocity S	2	
0101.07051537-1839124	600	11:12	07:05:15.3	-18:39:12	300	90	3.0	#141 Mapping t	2	Seeing still 2+ arcsec
0102.COMP	10	11:23	07:05:15.3	-18:39:12	300	90	3.0	#141 Mapping t	2	
0103.07460803-1316528	600	11:28	07:46:08.0	-13:16:52	300	90	3.0	#141 Mapping t	2	no use rotating
0104.COMP	10	11:39	07:46:08.0	-13:16:52	300	90	3.0	#141 Mapping t	2	
0105.fmfa339	450	11:47	07:41:25.5	55:27:22	300	40	3.0	#171 Local Uni	2	
0106.COMP	10	11:55	07:41:25.5	55:27:22	300	40	3.0	#171 Local Uni	2	
0107.fmfa340	450	11:57	07:46:33.8	50:01:04	300	90	3.0	#171 Local Uni	2	
0108.COMP	10	12:06	07:46:33.8	50:01:04	300	90	3.0	#171 Local Uni	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>
0109.sn2006lv	1800	12:14	11:32:03.3	+36:42:03	300	90	3.0	#2 SN Observat	2	Too far east-cant rotate to PA
0110.COMP	10	12:45	11:32:03.3	+36:42:03	300	90	3.0	#2 SN Observat	2	Faint guidestar-probably slipped
0111-0120.BIAS	0	12:53	09:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0121-0130.FLAT	12	12:57	09:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0131-0140.BIAS	0	12:59	09:00:00	+00:00:00	300	90	3.0	#57 Velocity S	2	
0141-0155.FLAT	25	13:07	09:00:00	+00:00:00	300	90	3.0	#57 Velocity S	2	
0156-0160.DARK	900	14:30	09:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0161-0165.DARK	900	15:46	09:00:00	+00:00:00	300	90	3.0	#57 Velocity S	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	22:16	09:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0006-0010.DARK	900	23:32	09:00:00	+00:00:00	300	90	3.0	#57 Velocity S	2	
0011-0020.BIAS	0	0:46	09:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0021-0030.FLAT	12	0:49	09:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0031-0040.BIAS	0	0:51	09:00:00	+00:00:00	300	90	3.0	#57 Velocity S	2	
0041-0055.FLAT	25	1:00	09:00:00	+00:00:00	300	90	3.0	#57 Velocity S	2	
0056.COMP	10	1:04	09:00:00	+00:00:00	300	90	3.0	#57 Velocity S	2	Checked Tiltpos is good
0057.BDp284211	90	1:23	21:51:11.1	28:51:53	300	-65	3.0	#56 Spectropho	2	
0058.BDp284211	90	1:24	21:51:11.1	28:51:53	300	-65	3.0	#56 Spectropho	2	
0059.COMP	10	1:26	21:51:11.1	28:51:53	300	-65	3.0	#56 Spectropho	2	
0060.BDp174708	45	1:36	22:11:31.4	18:05:33	300	-31	3.0	#56 Spectropho	2	
0061.BDp174708	45	1:37	22:11:31.4	18:05:33	300	-31	3.0	#56 Spectropho	2	
0062.COMP	10	1:38	22:11:31.4	18:05:33	300	-31	3.0	#56 Spectropho	2	
0063.N7331	180	1:46	22:34:46.9	+34:09:43	300	81	3.0	#57 Velocity S	2	
0064.N7331	180	1:49	22:34:46.9	+34:09:43	300	81	3.0	#57 Velocity S	2	
0065.COMP	10	1:53	22:34:46.9	+34:09:43	300	81	3.0	#57 Velocity S	2	
0066.22000659+4415058	450	2:08	22:00:06.5	+44:15:05	300	100	3.0	#141 Mapping t	2	
0067.COMP	10	2:16	22:00:06.5	+44:15:05	300	100	3.0	#141 Mapping t	2	
0068.22014157+4507421	450	2:23	22:01:41.5	+45:07:42	300	90	3.0	#141 Mapping t	2	
0069.COMP	10	2:31	22:01:41.5	+45:07:42	300	90	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.22114467+4542267	450	2:34	22:11:44.6	+45:42:26	300	90	3.0	#141 Mapping t	2	
0071.COMP	10	2:42	22:11:44.6	+45:42:26	300	90	3.0	#141 Mapping t	2	
0072.22284055+5053549	450	2:46	22:28:40.5	+50:53:54	300	90	3.0	#141 Mapping t	2	
0073.COMP	10	2:54	22:28:40.5	+50:53:54	300	90	3.0	#141 Mapping t	2	
0074.22415622+5109212	450	2:56	22:41:56.2	+51:09:21	300	90	3.0	#141 Mapping t	2	
0075.COMP	10	3:04	22:41:56.2	+51:09:21	300	90	3.0	#141 Mapping t	2	
0076.22490753+4929435	450	3:07	22:49:07.5	+49:29:43	300	80	3.0	#141 Mapping t	2	
0077.COMP	10	3:15	22:49:07.5	+49:29:43	300	80	3.0	#141 Mapping t	2	
0078.22494375+5047239	450	3:17	22:49:43.7	+50:47:23	300	75	3.0	#141 Mapping t	2	
0079.COMP	10	3:25	22:49:43.7	+50:47:23	300	75	3.0	#141 Mapping t	2	
0080.22562477+4042490	450	3:27	22:56:24.7	+40:42:49	300	90	3.0	#141 Mapping t	2	
0081.COMP	10	3:35	22:56:24.7	+40:42:49	300	90	3.0	#141 Mapping t	2	
0082.22564767+5110557	450	3:42	22:56:47.6	+51:10:55	300	90	3.0	#141 Mapping t	2	
0083.COMP	10	3:50	22:56:47.6	+51:10:55	300	90	3.0	#141 Mapping t	2	
0084.22580387+5048538	450	3:53	22:58:03.8	+50:48:53	300	90	3.0	#141 Mapping t	2	
0085.COMP	10	4:01	22:58:03.8	+50:48:53	300	90	3.0	#141 Mapping t	2	
0086.23140646+5034373	450	4:04	23:14:06.4	+50:34:37	300	90	3.0	#141 Mapping t	2	
0087.COMP	10	4:12	23:14:06.4	+50:34:37	300	90	3.0	#141 Mapping t	2	
0088.23161841+5030328	450	4:14	23:16:18.4	+50:30:32	300	90	3.0	#141 Mapping t	2	
0089.COMP	10	4:22	23:16:18.4	+50:30:32	300	90	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.23191833+5224167	450	4:24	23:19:18.3	+52:24:16	300	90	3.0	#141 Mapping t	2	
0091.COMP	10	4:32	23:19:18.3	+52:24:16	300	90	3.0	#141 Mapping t	2	
0092.sn2006mo	1800	4:38	00:46:38.5	+36:19:57	300	20	3.0	#2 SN Observat	2	Going to have some galaxy-too close
0093.COMP	10	5:09	00:46:38.5	+36:19:57	300	20	3.0	#2 SN Observat	2	
0094.hxPer198	600	5:15	2:19:27.0	56:52:27	300	90	3.0	#170 h & chi P	2	
0095.COMP	10	5:25	2:19:27.0	56:52:27	300	90	3.0	#170 h & chi P	2	
0096.hxPer199	600	5:27	2:20:19.9	56:45:18	300	90	3.0	#170 h & chi P	2	
0097.COMP	10	5:37	2:20:19.9	56:45:18	300	90	3.0	#170 h & chi P	2	
0098.hxPer200	600	5:39	2:20:3.7	56:52:9	300	90	3.0	#170 h & chi P	2	
0099.COMP	10	5:49	2:20:3.7	56:52:9	300	90	3.0	#170 h & chi P	2	
0100.hxPer20	600	5:51	2:17:20.1	56:45:28	300	90	3.0	#170 h & chi P	2	
0101.COMP	10	6:02	2:17:20.1	56:45:28	300	90	3.0	#170 h & chi P	2	
0102.hxPer2	600	6:04	2:17:50.0	57:23:34	300	90	3.0	#170 h & chi P	2	
0103.COMP	10	6:15	2:17:50.0	57:23:34	300	90	3.0	#170 h & chi P	2	
0104.hxPer21	600	6:17	2:23:16.3	56:57:57	300	90	3.0	#170 h & chi P	2	
0105.COMP	10	6:28	2:23:16.3	56:57:57	300	90	3.0	#170 h & chi P	2	
0106.hxPer22	450	6:31	2:22:3.2	56:44:45	300	90	3.0	#170 h & chi P	2	
0107.COMP	10	6:39	2:22:3.2	56:44:45	300	90	3.0	#170 h & chi P	2	
0108.hxPer23	360	6:40	2:19:35.0	56:47:57	300	90	3.0	#170 h & chi P	2	
0109.COMP	10	6:47	2:19:35.0	56:47:57	300	90	3.0	#170 h & chi P	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0110.hxPer24	300	6:48	2:17:4.1	57:8:31	300	90	3.0	#170 h & chi P	2	
0111.COMP	10	6:53	2:17:4.1	57:8:31	300	90	3.0	#170 h & chi P	2	
0112.hxPer25	300	6:54	2:20:58.3	57:22:57	300	90	3.0	#170 h & chi P	2	
0113.COMP	10	7:00	2:20:58.3	57:22:57	300	90	3.0	#170 h & chi P	2	
0114.hxPer26	300	7:02	2:21:10.1	56:43:24	300	90	3.0	#170 h & chi P	2	
0115.COMP	10	7:07	2:21:10.1	56:43:24	300	90	3.0	#170 h & chi P	2	
0116.hxPer27	300	7:09	2:23:35.9	56:53:8	300	90	3.0	#170 h & chi P	2	
0117.COMP	10	7:15	2:23:35.9	56:53:8	300	90	3.0	#170 h & chi P	2	
0118.hxPer28	300	7:16	2:17:2.8	56:50:47	300	90	3.0	#170 h & chi P	2	
0119.COMP	10	7:21	2:17:2.8	56:50:47	300	90	3.0	#170 h & chi P	2	
0120.hxPer29	300	7:23	2:17:57.9	56:49:5	300	90	3.0	#170 h & chi P	2	Some cirrus for last few
0121.COMP	10	7:29	2:17:57.9	56:49:5	300	90	3.0	#170 h & chi P	2	
0122.03091265+4719517	450	7:32	03:09:12.6	+47:19:51	300	90	3.0	#141 Mapping t	2	
0123.COMP	10	7:40	03:09:12.6	+47:19:51	300	90	3.0	#141 Mapping t	2	
0124.03134743+4703330	450	7:43	03:13:47.4	+47:03:33	300	90	3.0	#141 Mapping t	2	
0125.COMP	10	7:51	03:13:47.4	+47:03:33	300	90	3.0	#141 Mapping t	2	
0126.03181158+4707022	450	7:52	03:18:11.5	+47:07:02	300	90	3.0	#141 Mapping t	2	Clouds getting worse
0127.COMP	10	8:00	03:18:11.5	+47:07:02	300	90	3.0	#141 Mapping t	2	
0128.03495334+4613041	600	8:03	03:49:53.3	+46:13:04	300	90	3.0	#141 Mapping t	2	Junk-could barely see it
0129.COMP	10	8:14	03:49:53.3	+46:13:04	300	90	3.0	#141 Mapping t	2	started 06lf-cant see it

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0130.sn20061f	1800	8:21	04:38:29.4	44:02:01	300	0	3.0	#2 SN Observat	2	positioned based on nearby objects
0131.COMP	10	8:52	04:38:29.4	44:02:01	300	0	3.0	#2 SN Observat	2	couldnt find 06le and
0132.05212161-1532332	600	9:22	05:21:21.6	-15:32:33	300	90	3.0	#141 Mapping t	2	three 2mass targets
0133.COMP	10	9:32	05:21:21.6	-15:32:33	300	90	3.0	#141 Mapping t	2	before file 132
0134.G191B2B	120	9:41	05:05:30.5	52:49:56	300	90	3.0	#56 Spectropho	2	observed to check pointing
0135.COMP	10	9:43	05:05:30.5	52:49:56	300	90	3.0	#56 Spectropho	2	trying objects slightly north-sucker hole
0136.05471229+4226148	720	9:48	05:47:12.2	+42:26:14	300	90	3.0	#141 Mapping t	2	junk-lost guidestar-forgot lamp
0137.05535640+4553149	720	10:02	05:53:56.4	+45:53:14	300	90	3.0	#141 Mapping t	2	
0138.COMP	10	10:15	05:53:56.4	+45:53:14	300	90	3.0	#141 Mapping t	2	no more hole-getting worse-closing
0139-0148.BIAS	0	10:32	05:53:56.4	+45:53:14	300	90	3.0	#57 Velocity S	4	
0149-0158.FLAT	12	10:35	05:53:56.4	+45:53:14	300	90	3.0	#57 Velocity S	4	
0159-0168.BIAS	0	10:37	05:53:56.4	+45:53:14	300	90	3.0	#57 Velocity S	2	
0169-0183.FLAT	25	10:46	05:53:56.4	+45:53:14	300	90	3.0	#57 Velocity S	2	
0184-0188.DARK	900	13:39	05:53:56.4	+45:53:14	300	90	3.0	#57 Velocity S	4	
0189-0193.DARK	900	14:56	05:53:56.4	+45:53:14	300	90	3.0	#57 Velocity S	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	22:53	05:53:56.4	+45:53:14	300	90	3.0	#57 Velocity S	4	
0006-0010.DARK	900	0:10	05:53:56.4	+45:53:14	300	90	3.0	#57 Velocity S	2	
0011-0020.BIAS	0	0:41	05:53:56.4	+45:53:14	300	90	3.0	#57 Velocity S	4	
0021-0030.FLAT	12	0:44	05:53:56.4	+45:53:14	300	90	3.0	#57 Velocity S	4	
0031-0040.BIAS	0	0:46	05:53:56.4	+45:53:14	300	90	3.0	#57 Velocity S	2	
0041.FLAT	25	0:46	05:53:56.4	+45:53:14	300	90	3.0	#57 Velocity S	2	Still bright out
0042-0055.FLAT	25	0:55	05:53:56.4	+45:53:14	300	90	3.0	#57 Velocity S	2	
0056.COMP	10	1:13	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	Tiltpos is good
0057.BDp284211	90	1:26	21:51:11.1	28:51:53	300	-58	3.0	#56 Spectropho	2	light clouds
0058.BDp284211	90	1:27	21:51:11.1	28:51:53	300	-58	3.0	#56 Spectropho	2	
0059.COMP	10	1:29	21:51:11.1	28:51:53	300	-58	3.0	#56 Spectropho	2	
0060.BDp174708	45	1:36	22:11:31.4	18:05:33	300	-24	3.0	#56 Spectropho	2	
0061.BDp174708	45	1:37	22:11:31.4	18:05:33	300	-24	3.0	#56 Spectropho	2	
0062.COMP	10	1:39	22:11:31.4	18:05:33	300	-24	3.0	#56 Spectropho	2	
0063.N7331	180	1:45	22:34:46.9	+34:09:43	300	78	3.0	#57 Velocity S	2	
0064.N7331	180	1:48	22:34:46.9	+34:09:43	300	78	3.0	#57 Velocity S	2	
0065.COMP	10	1:52	22:34:46.9	+34:09:43	300	78	3.0	#57 Velocity S	2	
0066.21363802+4130100	600	1:57	21:36:38.0	+41:30:10	300	100	3.0	#141 Mapping t	2	crowded-rotated-some star left
0067.COMP	10	2:08	21:36:38.0	+41:30:10	300	100	3.0	#141 Mapping t	2	
0068.sn2006gr	300	2:16	22:32:22.6	+30:49:43	300	0	3.0	#2 SN Observat	2	V.v.faint-to see if anything in slit

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0069.sn2006gr	1800	2:22	22:32:22.6	+30:49:43	300	0	3.0	#2 SN Observat	2	Some SN atleast
0070.COMP	10	2:53	22:32:22.6	+30:49:43	300	0	3.0	#2 SN Observat	2	some cloud during SN
0071.23191833+5224167	600	3:09	23:19:18.3	+52:24:16	300	70	3.0	#141 Mapping t	2	rotated to get fully in slit
0072.COMP	10	3:19	23:19:18.3	+52:24:16	300	70	3.0	#141 Mapping t	2	clearing up
0073.23420033+5355053	450	3:23	23:42:00.3	+53:55:05	300	90	3.0	#141 Mapping t	2	
0074.COMP	10	3:31	23:42:00.3	+53:55:05	300	90	3.0	#141 Mapping t	2	
0075.23491814+5540224	450	3:34	23:49:18.1	+55:40:22	300	80	3.0	#141 Mapping t	2	
0076.COMP	10	3:42	23:49:18.1	+55:40:22	300	80	3.0	#141 Mapping t	2	
0077.00031764+7028152	900	3:46	00:03:17.6	+70:28:15	300	89	3.0	#141 Mapping t	2	
0078.COMP	10	4:01	00:03:17.6	+70:28:15	300	89	3.0	#141 Mapping t	2	
0079.00034142+7036434	1200	4:11	00:03:41.4	+70:36:43	300	89	3.0	#141 Mapping t	2	
0080.COMP	10	4:32	00:03:41.4	+70:36:43	300	89	3.0	#141 Mapping t	2	
0081.00411934+6855542	1200	4:39	00:41:19.3	+68:55:54	300	89	3.0	#141 Mapping t	2	
0082.COMP	10	4:59	00:41:19.3	+68:55:54	300	89	3.0	#141 Mapping t	2	
0083.01394085+5507549	500	5:02	01:39:40.8	+55:07:54	300	89	3.0	#141 Mapping t	2	
0084.COMP	10	5:10	01:39:40.8	+55:07:54	300	89	3.0	#141 Mapping t	2	
0085.01432723+5636429	450	5:12	01:43:27.2	+56:36:42	300	89	3.0	#141 Mapping t	2	
0086.COMP	10	5:20	01:43:27.2	+56:36:42	300	89	3.0	#141 Mapping t	2	
0087.hxPer3	450	5:24	2:18:55.3	57:24:28	300	80	3.0	#170 h & chi P	2	
0088.COMP	10	5:32	2:18:55.3	57:24:28	300	80	3.0	#170 h & chi P	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.hxPer30	360	5:34	2:17:27.7	57:1:0	300	90	3.0	#170 h & chi P	2	
0090.COMP	10	5:41	2:17:27.7	57:1:0	300	90	3.0	#170 h & chi P	2	
0091.hxPer31	300	5:47	2:19:14.1	56:49:13	300	30	3.0	#170 h & chi P	2	
0092.COMP	10	5:53	2:19:14.1	56:49:13	300	30	3.0	#170 h & chi P	2	
0093.hxPer32	300	5:56	2:23:16.7	56:43:4	300	90	3.0	#170 h & chi P	2	
0094.COMP	10	6:01	2:23:16.7	56:43:4	300	90	3.0	#170 h & chi P	2	
0095.hxPer33	250	6:03	2:18:22.3	56:52:15	300	90	3.0	#170 h & chi P	2	
0096.COMP	10	6:07	2:18:22.3	56:52:15	300	90	3.0	#170 h & chi P	2	
0097.hxPer34	250	6:09	2:18:43.0	57:31:36	300	90	3.0	#170 h & chi P	2	
0098.COMP	10	6:14	2:18:43.0	57:31:36	300	90	3.0	#170 h & chi P	2	
0099.hxPer35	250	6:15	2:18:57.7	57:27:6	300	90	3.0	#170 h & chi P	2	
0100.COMP	10	6:20	2:18:57.7	57:27:6	300	90	3.0	#170 h & chi P	2	
0101.hxPer36	250	6:21	2:18:24.6	56:56:11	300	90	3.0	#170 h & chi P	2	
0102.COMP	10	6:26	2:18:24.6	56:56:11	300	90	3.0	#170 h & chi P	2	
0103.hxPer37	250	6:27	2:20:57.1	56:53:22	300	90	3.0	#170 h & chi P	2	
0104.COMP	10	6:31	2:20:57.1	56:53:22	300	90	3.0	#170 h & chi P	2	
0105.hxPer38	250	6:32	2:24:3.1	57:12:8	300	90	3.0	#170 h & chi P	2	
0106.COMP	10	6:37	2:24:3.1	57:12:8	300	90	3.0	#170 h & chi P	2	
0107.hxPer39	250	6:38	2:21:50.8	57:7:16	300	90	3.0	#170 h & chi P	2	
0108.COMP	10	6:43	2:21:50.8	57:7:16	300	90	3.0	#170 h & chi P	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0109.hxPer40	250	6:44	2:18:55.2	57:2:26	300	90	3.0	#170 h & chi P	2	
0110.COMP	10	6:48	2:18:55.2	57:2:26	300	90	3.0	#170 h & chi P	2	
0111.hxPer4	360	6:49	2:22:22.3	57:1:40	300	90	3.0	#170 h & chi P	2	central trace
0112.COMP	10	6:56	2:22:22.3	57:1:40	300	90	3.0	#170 h & chi P	2	could have gone longer
0113.hxPer41	250	6:58	2:21:33.9	56:44:25	300	90	3.0	#170 h & chi P	2	
0114.COMP	10	7:02	2:21:33.9	56:44:25	300	90	3.0	#170 h & chi P	2	
0115.hxPer44	250	7:04	2:20:19.9	57:18:17	300	90	3.0	#170 h & chi P	2	
0116.COMP	10	7:08	2:20:19.9	57:18:17	300	90	3.0	#170 h & chi P	2	
0117.hxPer45	250	7:09	2:22:28.6	56:44:25	300	90	3.0	#170 h & chi P	2	
0118.COMP	10	7:14	2:22:28.6	56:44:25	300	90	3.0	#170 h & chi P	2	
0119.hxPer46	250	7:16	2:21:54.5	57:28:32	300	90	3.0	#170 h & chi P	2	
0120.COMP	10	7:20	2:21:54.5	57:28:32	300	90	3.0	#170 h & chi P	2	
0121.hxPer47	250	7:22	2:24:3.7	57:10:34	300	90	3.0	#170 h & chi P	2	
0122.COMP	10	7:26	2:24:3.7	57:10:34	300	90	3.0	#170 h & chi P	2	
0123.hxPer48	250	7:27	2:18:9.1	56:52:18	300	90	3.0	#170 h & chi P	2	
0124.COMP	10	7:32	2:18:9.1	56:52:18	300	90	3.0	#170 h & chi P	2	
0125.hxPer49	250	7:33	2:23:29.2	57:13:26	300	90	3.0	#170 h & chi P	2	
0126.COMP	10	7:38	2:23:29.2	57:13:26	300	90	3.0	#170 h & chi P	2	
0127.hxPer50	250	7:39	2:18:19.9	56:47:9	300	90	3.0	#170 h & chi P	2	
0128.COMP	10	7:44	2:18:19.9	56:47:9	300	90	3.0	#170 h & chi P	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0129.hxPer5	250	7:45	2:17:29.9	57:2:30	300	90	3.0	#170 h & chi P	2	
0130.COMP	10	7:50	2:17:29.9	57:2:30	300	90	3.0	#170 h & chi P	2	
0131.fmfa230	500	7:53	03:40:25.9	14:32:36	300	90	3.0	#171 Local Uni	2	
0132.COMP	10	8:02	03:40:25.9	14:32:36	300	90	3.0	#171 Local Uni	2	
0133.fmfa231	500	8:04	03:40:26.0	10:04:27	300	90	3.0	#171 Local Uni	2	
0134.COMP	10	8:13	03:40:26.0	10:04:27	300	90	3.0	#171 Local Uni	2	
0135.fmfa232	360	8:15	03:40:27.7	15:33:11	300	90	3.0	#171 Local Uni	2	
0136.COMP	10	8:21	03:40:27.7	15:33:11	300	90	3.0	#171 Local Uni	2	
0137.fmfa234	500	8:24	03:40:34.5	14:37:37	300	110	3.0	#171 Local Uni	2	Moon is up-some cloud in North
0138.COMP	10	8:33	03:40:34.5	14:37:37	300	110	3.0	#171 Local Uni	2	
0139.sn2006le	1800	8:46	05:00:41.9	62:15:19	300	0	3.0	#2 SN Observat	2	woohoo
0140.COMP	10	9:17	05:00:41.9	62:15:19	300	0	3.0	#2 SN Observat	2	some more cloud but still good
0141.IPHAS_B248	600	9:28	5:28:24.4	31:54:46	300	90	3.0	#157 IPHAS	2	
0142.COMP	10	9:38	5:28:24.4	31:54:46	300	90	3.0	#157 IPHAS	2	
0143.IPHAS_B289	720	9:42	5:28:32.6	28:38:37	300	90	3.0	#157 IPHAS	2	
0144.COMP	10	9:55	5:28:32.6	28:38:37	300	90	3.0	#157 IPHAS	2	
0145.IPHAS_B293	800	9:57	5:28:39.8	26:40:17	300	90	3.0	#157 IPHAS	2	
0146.COMP	10	10:11	5:28:39.8	26:40:17	300	90	3.0	#157 IPHAS	2	
0147.IPHAS_B275	800	10:12	5:29:3.8	29:26:9	300	90	3.0	#157 IPHAS	2	
0148.COMP	10	10:26	5:29:3.8	29:26:9	300	90	3.0	#157 IPHAS	2	

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0149.IPHAS_B259	600	10:27	5:43:11.8	25:44:45	300	90	3.0	#157 IPHAS	2	
0150.COMP	10	10:38	5:43:11.8	25:44:45	300	90	3.0	#157 IPHAS	2	
0151.IPHAS_B294	450	10:39	5:43:12.5	25:57:25	300	90	3.0	#157 IPHAS	2	was bright but stupid cloud
0152.COMP	10	10:48	5:43:12.5	25:57:25	300	90	3.0	#157 IPHAS	2	
0153.IPHAS_B327	720	10:49	5:44:24.1	31:20:31	300	90	3.0	#157 IPHAS	2	
0154.COMP	10	11:02	5:44:24.1	31:20:31	300	90	3.0	#157 IPHAS	2	
0155.IPHAS_B324	600	11:03	5:44:24.4	30:21:56	300	90	3.0	#157 IPHAS	2	
0156.COMP	10	11:13	5:44:24.4	30:21:56	300	90	3.0	#157 IPHAS	2	
0157.IPHAS_B272	600	11:15	5:46:40.7	24:9:39	300	90	3.0	#157 IPHAS	2	
0158.COMP	10	11:25	5:46:40.7	24:9:39	300	90	3.0	#157 IPHAS	2	
0159.IPHAS_B297	600	11:27	5:47:48.3	28:35:11	300	90	3.0	#157 IPHAS	2	
0160.COMP	10	11:37	5:47:48.3	28:35:11	300	90	3.0	#157 IPHAS	2	
0161.IPHAS_B286	600	11:38	5:47:48.8	27:24:25	300	90	3.0	#157 IPHAS	2	
0162.COMP	10	11:49	5:47:48.8	27:24:25	300	90	3.0	#157 IPHAS	2	
0163.e924-DR	1500	11:52	8:50:07.0	29:32:52	300	70	3.0	#113 Interacti	2	tried to put both in slit-probably junk
0164.COMP	10	12:17	8:50:07.0	29:32:52	300	70	3.0	#113 Interacti	2	
0165.sn2006jc	900	12:20	09:17:20.7	+41:54:32	300	43	3.0	#2 SN Observat	2	
0166.COMP	10	12:36	09:17:20.7	+41:54:32	300	43	3.0	#2 SN Observat	2	
0167.HD84937	5	12:41	09:48:54.8	13:45:13	300	-35	3.0	#56 Spectropho	2	
0168.HD84937	5	12:41	09:48:54.8	13:45:13	300	-35	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0169.COMP	10	12:42	09:48:54.8	13:45:13	300	-35	3.0	#56 Spectropho	2	
0170.AGK2p43928	5	12:47	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0171.AGK2p43928	5	12:47	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0172.COMP	10	12:47	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0173.WILSON6377	5	12:49	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0174.WILSON6377	5	12:49	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0175.COMP	10	12:50	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0176.Feige34	90	12:53	10:39:36.8	43:06:10	300	68	3.0	#56 Spectropho	2	
0177.Feige34	90	12:55	10:39:36.8	43:06:10	300	68	3.0	#56 Spectropho	2	
0178.COMP	10	12:57	10:39:36.8	43:06:10	300	68	3.0	#56 Spectropho	2	
0179-0188.BIAS	0	13:02	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0189-0197.FLAT	12	13:05	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0198.FLAT	12	13:05	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	wierd-script said done but stopped here
0200.FLAT	25	13:31	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	1	restarted ccd60 following instructions
0201.FLAT	25	13:33	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	1	started writing these slowly
0202-0209.FLAT	25	13:47	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	1	
0211.BIAS	0	13:53	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	2	called Ted Groner-fixed-restarting flats
0212-0221.BIAS	0	13:56	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0222-0231.FLAT	12	13:59	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0232-0241.BIAS	0	14:01	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	2	

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0242-0256.FLAT	25	14:10	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	2	
0257-0261.DARK	900	15:25	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0262-0266.DARK	900	16:42	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	2	



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0001-0010.BIAS	0	0:12	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0011-0020.FLAT	12	0:15	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	4	
0021-0030.BIAS	0	0:17	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	2	
0031-0045.FLAT	25	0:26	10:39:36.8	43:06:10	300	90	3.0	#57 Velocity S	2	
0046-0048.sky	5	0:47	18:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0049.COMP	10	0:48	18:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0050.BDp284211	90	1:21	21:51:11.1	28:51:53	300	-60	3.0	#56 Spectropho	2	
0051.BDp284211	90	1:22	21:51:11.1	28:51:53	300	-60	3.0	#56 Spectropho	2	
0052.COMP	10	1:25	21:51:11.1	28:51:53	300	-60	3.0	#56 Spectropho	2	
0053.BDp174708	45	1:31	22:11:31.4	18:05:33	300	-25	3.0	#56 Spectropho	2	
0054.BDp174708	45	1:32	22:11:31.4	18:05:33	300	-25	3.0	#56 Spectropho	2	
0055.COMP	10	1:33	22:11:31.4	18:05:33	300	-25	3.0	#56 Spectropho	2	
0056.N7331	180	1:37	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0057.N7331	180	1:40	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0058.COMP	10	1:45	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0059.21552632-2022214	600	1:51	21:55:26.3	-20:22:21	300	90	3.0	#141 Mapping t	4	
0060.21552632-2022214	600	2:02	21:55:26.3	-20:22:21	300	90	3.0	#141 Mapping t	4	
0061.COMP	10	2:12	21:55:26.3	-20:22:21	300	90	3.0	#141 Mapping t	4	
0062.23062866-1332118	450	2:15	23:06:28.6	-13:32:11	300	90	3.0	#141 Mapping t	4	
0063.COMP	10	2:23	23:06:28.6	-13:32:11	300	90	3.0	#141 Mapping t	4	

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0064.22562477+4042490	300	2:27	22:56:24.7	+40:42:49	300	0	3.0	#141 Mapping t	4	
0065.COMP	10	2:32	22:56:24.7	+40:42:49	300	0	3.0	#141 Mapping t	4	
0066.21591306+4419194	360	2:35	21:59:13.0	+44:19:19	300	90	3.0	#141 Mapping t	4	
0067.COMP	10	2:42	21:59:13.0	+44:19:19	300	90	3.0	#141 Mapping t	4	
0068.21574489+4610434	450	2:44	21:57:44.8	+46:10:43	300	90	3.0	#141 Mapping t	4	
0069.COMP	10	2:53	21:57:44.8	+46:10:43	300	90	3.0	#141 Mapping t	4	
0070.21491387+4547429	720	2:57	21:49:13.8	+45:47:42	300	90	3.0	#141 Mapping t	4	
0071.21491387+4547429	720	3:09	21:49:13.8	+45:47:42	300	90	3.0	#141 Mapping t	4	
0072.COMP	10	3:22	21:49:13.8	+45:47:42	300	90	3.0	#141 Mapping t	4	
0073.sn16280	1800	3:36	00:56:29.2	-01:13:36	300	-20	3.0	#2 SN Observat	2	
0074.COMP	10	4:09	00:56:29.2	-01:13:36	300	-20	3.0	#2 SN Observat	2	
0075.hxPer51	180	4:30	2:18:15.0	56:53:18	300	90	3.0	#170 h & chi P	4	
0076.COMP	10	4:35	2:18:15.0	56:53:18	300	90	3.0	#170 h & chi P	4	
0077.hxPer52	240	4:37	2:21:17.2	56:47:22	300	90	3.0	#170 h & chi P	4	
0078.COMP	10	4:41	2:21:17.2	56:47:22	300	90	3.0	#170 h & chi P	4	
0079.hxPer53	180	4:42	2:24:1.7	57:9:0	300	90	3.0	#170 h & chi P	4	
0080.COMP	10	4:48	2:24:1.7	57:9:0	300	90	3.0	#170 h & chi P	4	
0081.hxPer54	180	4:50	2:19:41.5	56:43:32	300	90	3.0	#170 h & chi P	4	
0082.COMP	10	4:53	2:19:41.5	56:43:32	300	90	3.0	#170 h & chi P	4	
0083.hxPer55	180	5:00	2:17:44.4	57:1:12	300	90	3.0	#170 h & chi P	4	

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0084.COMP	10	5:04	2:17:44.4	57:1:12	300	90	3.0	#170 h & chi P	4	
0085.hxPer56	240	5:05	2:24:6.6	57:5:48	300	90	3.0	#170 h & chi P	4	
0086.COMP	10	5:10	2:24:6.6	57:5:48	300	90	3.0	#170 h & chi P	4	
0087.hxPer57	240	5:11	2:18:42.9	57:27:16	300	90	3.0	#170 h & chi P	4	
0088.COMP	10	5:15	2:18:42.9	57:27:16	300	90	3.0	#170 h & chi P	4	
0089.hxPer58	240	5:17	2:21:14.4	57:17:44	300	90	3.0	#170 h & chi P	4	
0090.COMP	10	5:21	2:21:14.4	57:17:44	300	90	3.0	#170 h & chi P	4	
0091.hxPer59	240	5:24	2:24:15.5	57:1:54	300	90	3.0	#170 h & chi P	4	
0092.COMP	10	5:28	2:24:15.5	57:1:54	300	90	3.0	#170 h & chi P	4	
0093.hxPer60	240	5:30	2:18:14.8	56:52:14	300	90	3.0	#170 h & chi P	4	
0094.COMP	10	5:35	2:18:14.8	56:52:14	300	90	3.0	#170 h & chi P	4	
0095.hxPer6	600	5:42	2:22:16.8	57:28:12	300	90	3.0	#170 h & chi P	4	
0096.COMP	10	5:53	2:22:16.8	57:28:12	300	90	3.0	#170 h & chi P	4	
0097.hxPer61	240	5:55	2:22:2.7	56:52:0	300	90	3.0	#170 h & chi P	4	
0098.COMP	10	5:59	2:22:2.7	56:52:0	300	90	3.0	#170 h & chi P	4	
0099.hxPer62	180	6:01	2:23:20.5	57:27:18	300	90	3.0	#170 h & chi P	4	
0100.COMP	10	6:05	2:23:20.5	57:27:18	300	90	3.0	#170 h & chi P	4	
0101.hxPer63	180	6:06	2:20:19.9	57:18:12	300	90	3.0	#170 h & chi P	4	
0102.COMP	10	6:10	2:20:19.9	57:18:12	300	90	3.0	#170 h & chi P	4	
0103.hxPer64	240	6:11	2:23:14.9	56:50:3	300	90	3.0	#170 h & chi P	4	

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0104.COMP	10	6:16	2:23:14.9	56:50:3	300	90	3.0	#170 h & chi P	4	
0105.hxPer65	240	6:18	2:17:13.0	57:24:34	300	90	3.0	#170 h & chi P	4	
0106.COMP	10	6:23	2:17:13.0	57:24:34	300	90	3.0	#170 h & chi P	4	
0107.UGC12914	720	6:39	0:01:37.5	23:29:13	300	-24	3.0	#113 Interacti	4	
0108.COMP	10	6:52	0:01:37.5	23:29:13	300	-24	3.0	#113 Interacti	2	
0109.UGC12915	720	6:54	0:01:42.1	23:29:49	300	-48	3.0	#113 Interacti	2	
0110.COMP	5	7:08	0:01:42.1	23:29:49	300	-48	3.0	#113 Interacti	2	
0111.NGC317a	1200	7:13	0:57:38.8	43:48:11	300	90	3.0	#113 Interacti	2	
0112.COMP	10	7:35	0:57:38.8	43:48:11	300	90	3.0	#113 Interacti	2	
0113.NGC317b	1080	7:38	0:57:40.1	43:47:43	300	90	3.0	#113 Interacti	4	
0114.COMP	10	8:03	0:57:40.1	43:47:43	300	90	3.0	#113 Interacti	4	
0115.NGC1273	1500	8:08	3:19:34.3	41:34:54	300	90	3.0	#113 Interacti	4	
0116.COMP	10	8:36	3:19:34.3	41:34:54	300	90	3.0	#113 Interacti	4	
0117.IC1907	1500	8:47	3:19:34.3	41:34:54	300	90	3.0	#113 Interacti	4	
0118.COMP	10	9:14	3:19:34.3	41:34:54	300	90	3.0	#113 Interacti	4	
0119.GITau	240	9:21	4:33:34	24:21:18	300	90	3.0	#12 Symbiotic	4	
0120.COMP	10	9:26	4:33:34	24:21:18	300	90	3.0	#12 Symbiotic	4	
0121.GKTau	240	9:27	4:33:34.5	24:21:07	300	90	3.0	#12 Symbiotic	4	
0122.COMP	10	9:32	4:33:34.5	24:21:07	300	90	3.0	#12 Symbiotic	4	
0123.sn2006lf	1800	9:40	04:38:29.4	44:02:01	300	-55	3.0	#2 SN Observat	2	

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0124.COMP	10	10:11	04:38:29.4	44:02:01	300	-55	3.0	#2 SN Observat	2	
0125.sn20061e	1500	10:19	05:00:41.9	62:15:19	300	-38	3.0	#2 SN Observat	2	
0126.COMP	10	10:45	05:00:41.9	62:15:19	300	-38	3.0	#2 SN Observat	2	
0127.fmfa340	900	10:48	07:46:33.8	50:01:04	300	90	3.0	#171 Local Uni	2	
0128.COMP	10	11:04	07:46:33.8	50:01:04	300	90	3.0	#171 Local Uni	2	
0129.fmfa341	600	11:07	07:49:08.1	50:04:39	300	90	3.0	#171 Local Uni	2	
0130.COMP	10	11:17	07:49:08.1	50:04:39	300	90	3.0	#171 Local Uni	2	
0131.fmfa342	720	11:19	07:51:33.0	50:08:14	300	90	3.0	#171 Local Uni	2	
0132.COMP	10	11:32	07:51:33.0	50:08:14	300	90	3.0	#171 Local Uni	2	
0133.fmfa344	720	11:34	07:53:43.9	49:31:19	300	90	3.0	#171 Local Uni	2	
0134.COMP	10	11:47	07:53:43.9	49:31:19	300	90	3.0	#171 Local Uni	2	
0135.fmfa345	720	11:49	08:19:47.2	4:07:17	300	90	3.0	#171 Local Uni	2	
0136.COMP	10	12:02	08:19:47.2	4:07:17	300	90	3.0	#171 Local Uni	2	
0137.sn20061v	1500	12:09	11:32:03.3	+36:42:03	300	97	3.0	#2 SN Observat	2	
0138.COMP	10	12:36	11:32:03.3	+36:42:03	300	97	3.0	#2 SN Observat	2	
0139.MRK421	300	12:38	11:04:27.4	+38:12:32	300	97	3.0	#6 AGN Monitor	2	
0140.MRK421	300	12:43	11:04:27.4	+38:12:32	300	97	3.0	#6 AGN Monitor	2	
0141.COMP	10	12:49	11:04:27.4	+38:12:32	300	97	3.0	#6 AGN Monitor	2	
0142.N3227	150	12:50	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0143.N3227	150	12:53	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	

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0144.COMP	10	12:56	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0145.TXCVn	10	12:57	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0146.TXCVn	30	12:58	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0147.COMP	10	12:58	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0148-0157.DARK	900	15:33	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	

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0001-0010.BIAS	0	23:13	12:44:42	36:45:48	300	90	3.0	#170 h & chi P	4	
0011-0020.FLAT	12	23:17	12:44:42	36:45:48	300	90	3.0	#170 h & chi P	4	
0021-0030.BIAS	0	23:18	12:44:42	36:45:48	300	90	3.0	#170 h & chi P	2	
0031-0045.FLAT	25	23:27	12:44:42	36:45:48	300	90	3.0	#170 h & chi P	2	
0046-0048.sky	7	0:48	18:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0049.COMP	10	0:49	18:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0050.BDp174708	45	1:04	22:11:31.4	18:05:33	300	-40	3.0	#56 Spectropho	2	
0051.BDp174708	45	1:05	22:11:31.4	18:05:33	300	-40	3.0	#56 Spectropho	2	
0052.COMP	10	1:07	22:11:31.4	18:05:33	300	-40	3.0	#56 Spectropho	2	
0053.BDp284211	90	1:09	21:51:11.1	28:51:53	300	110	3.0	#56 Spectropho	2	
0054.BDp284211	90	1:11	21:51:11.1	28:51:53	300	110	3.0	#56 Spectropho	2	
0055.COMP	10	1:13	21:51:11.1	28:51:53	300	110	3.0	#56 Spectropho	2	
0056.N7331	180	1:15	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0057.N7331	180	1:18	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0058.COMP	10	1:22	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0059.3C390.3	300	1:36	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0060.3C390.3	300	1:41	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0061.3C390.3	300	1:46	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0062.COMP	10	1:52	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0063.Akn564	180	2:35	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	

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0064.Akn564	180	2:38	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0065.COMP	10	2:42	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0066.19333427+0844158	1200	2:48	19:33:34.2	+08:44:15	300	90	3.0	#141 Mapping t	4	
0067.COMP	10	3:09	19:33:34.2	+08:44:15	300	90	3.0	#141 Mapping t	4	
0068.19422197+4013218	900	3:12	19:42:21.9	+40:13:21	300	90	3.0	#141 Mapping t	4	
0069.COMP	10	3:29	19:42:21.9	+40:13:21	300	90	3.0	#141 Mapping t	4	
0070.20093146+4808535	900	3:32	20:09:31.4	+48:08:53	300	90	3.0	#141 Mapping t	4	
0071.COMP	10	3:48	20:09:31.4	+48:08:53	300	90	3.0	#141 Mapping t	4	
0072.20422383+2803226	1200	3:51	20:42:23.8	+28:03:22	300	90	3.0	#141 Mapping t	4	
0073.COMP	10	4:12	20:42:23.8	+28:03:22	300	90	3.0	#141 Mapping t	4	
0074.IPHASB_776	300	4:21	02:11:28.8	+63:46:04	300	90	3.0	#157 IPHAS	4	
0075.COMP	10	4:26	02:11:28.8	+63:46:04	300	90	3.0	#157 IPHAS	4	
0076.IPHASB_777	120	4:29	02:12:10.4	+62:32:42	300	90	3.0	#157 IPHAS	4	
0077.COMP	10	4:31	02:12:10.4	+62:32:42	300	90	3.0	#157 IPHAS	4	
0078.IPHASB_778	120	4:32	02:13:20.1	+61:30:03	300	90	3.0	#157 IPHAS	4	
0079.COMP	10	4:35	02:13:20.1	+61:30:03	300	90	3.0	#157 IPHAS	4	
0080.IPHASB_779	120	4:36	02:14:48.4	+62:26:22	300	90	3.0	#157 IPHAS	4	
0081.COMP	10	4:38	02:14:48.4	+62:26:22	300	90	3.0	#157 IPHAS	4	
0082.IPHASB_780	120	4:39	02:15:32.9	+62:32:37	300	90	3.0	#157 IPHAS	4	
0083.COMP	10	4:41	02:15:32.9	+62:32:37	300	90	3.0	#157 IPHAS	4	



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0084.IPHASB_781	120	4:42	02:17:44.4	+64:43:35	300	90	3.0	#157 IPHAS	4	
0085.COMP	10	4:45	02:17:44.4	+64:43:35	300	90	3.0	#157 IPHAS	4	
0086.IPHASB_782	120	4:46	02:21:00.2	+63:54:35	300	90	3.0	#157 IPHAS	4	
0087.COMP	10	4:49	02:21:00.2	+63:54:35	300	90	3.0	#157 IPHAS	4	
0088.IPHASB_783	120	4:50	02:23:43.4	+60:35:45	300	90	3.0	#157 IPHAS	4	
0089.COMP	10	4:52	02:23:43.4	+60:35:45	300	90	3.0	#157 IPHAS	4	
0090.IPHASB_784	120	4:53	02:24:20.7	+62:48:42	300	90	3.0	#157 IPHAS	4	
0091.COMP	10	4:55	02:24:20.7	+62:48:42	300	90	3.0	#157 IPHAS	4	
0092.IPHASB_785	120	4:56	02:25:02.7	+64:49:47	300	90	3.0	#157 IPHAS	4	
0093.COMP	10	4:59	02:25:02.7	+64:49:47	300	90	3.0	#157 IPHAS	4	
0094.IPHASB_786	120	5:00	02:28:23.8	+63:18:34	300	90	3.0	#157 IPHAS	4	
0095.COMP	10	5:02	02:28:23.8	+63:18:34	300	90	3.0	#157 IPHAS	4	
0096.IPHASB_787	120	5:03	02:29:13.5	+63:32:24	300	90	3.0	#157 IPHAS	4	
0097.COMP	10	5:05	02:29:13.5	+63:32:24	300	90	3.0	#157 IPHAS	4	
0098.IPHASB_788	120	5:06	02:29:35.9	+61:15:57	300	90	3.0	#157 IPHAS	4	
0099.COMP	10	5:08	02:29:35.9	+61:15:57	300	90	3.0	#157 IPHAS	4	
0100.IPHASB_789	120	5:09	02:29:42.3	+64:48:57	300	90	3.0	#157 IPHAS	4	
0101.COMP	10	5:12	02:29:42.3	+64:48:57	300	90	3.0	#157 IPHAS	4	
0102.IPHASB_790	120	5:13	02:32:35.1	+64:05:22	300	90	3.0	#157 IPHAS	4	
0103.COMP	10	5:16	02:32:35.1	+64:05:22	300	90	3.0	#157 IPHAS	4	

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0104.IPHASB_791	120	5:17	02:34:04.7	+60:59:14	300	90	3.0	#157 IPHAS	4	
0105.COMP	10	5:20	02:34:04.7	+60:59:14	300	90	3.0	#157 IPHAS	4	
0106.IPHASB_792	120	5:21	02:34:10.3	+61:24:40	300	90	3.0	#157 IPHAS	4	
0107.COMP	10	5:23	02:34:10.3	+61:24:40	300	90	3.0	#157 IPHAS	4	
0108.IPHASB_793	120	5:24	02:34:11.9	+59:56:34	300	90	3.0	#157 IPHAS	4	
0109.COMP	10	5:26	02:34:11.9	+59:56:34	300	90	3.0	#157 IPHAS	4	
0110.hxPer66	180	5:28	2:20:16.4	57:23:36	300	90	3.0	#170 h & chi P	4	
0111.COMP	10	5:31	2:20:16.4	57:23:36	300	90	3.0	#170 h & chi P	4	
0112.hxPer67	180	5:32	2:18:17.7	56:49:56	300	90	3.0	#170 h & chi P	4	
0113.COMP	10	5:36	2:18:17.7	56:49:56	300	90	3.0	#170 h & chi P	4	
0114.hxPer68	180	5:37	2:20:21.6	57:31:32	300	90	3.0	#170 h & chi P	4	
0115.COMP	10	5:41	2:20:21.6	57:31:32	300	90	3.0	#170 h & chi P	4	
0116.hxPer69	180	5:42	2:20:56.6	56:54:14	300	90	3.0	#170 h & chi P	4	
0117.COMP	10	5:45	2:20:56.6	56:54:14	300	90	3.0	#170 h & chi P	4	
0118.hxPer70	180	5:46	2:22:39.8	57:23:6	300	90	3.0	#170 h & chi P	4	
0119.COMP	10	5:50	2:22:39.8	57:23:6	300	90	3.0	#170 h & chi P	4	
0120.hxPer7	900	5:55	2:23:29.7	57:8:58	300	90	3.0	#170 h & chi P	4	
0121.COMP	10	6:11	2:23:29.7	57:8:58	300	90	3.0	#170 h & chi P	4	
0122.hxPer71	240	6:12	2:21:6.3	57:23:34	300	90	3.0	#170 h & chi P	4	
0123.COMP	10	6:17	2:21:6.3	57:23:34	300	90	3.0	#170 h & chi P	4	

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0124.hxPer72	180	6:17	2:20:49.8	57:20:2	300	90	3.0	#170 h & chi P	4	
0125.COMP	10	6:21	2:20:49.8	57:20:2	300	90	3.0	#170 h & chi P	4	
0126.hxPer73	240	6:23	2:18:48.9	56:54:5	300	90	3.0	#170 h & chi P	4	
0127.COMP	10	6:27	2:18:48.9	56:54:5	300	90	3.0	#170 h & chi P	4	
0128.hxPer74	240	6:29	2:24:14.8	56:59:25	300	90	3.0	#170 h & chi P	4	
0129.COMP	10	6:35	2:24:14.8	56:59:25	300	90	3.0	#170 h & chi P	4	
0130.hxPer75	240	6:36	2:19:18.1	56:48:33	300	90	3.0	#170 h & chi P	4	
0131.COMP	10	6:41	2:19:18.1	56:48:33	300	90	3.0	#170 h & chi P	4	
0132.hxPer76	240	6:42	2:24:2.3	57:5:17	300	90	3.0	#170 h & chi P	4	
0133.COMP	10	6:46	2:24:2.3	57:5:17	300	90	3.0	#170 h & chi P	4	
0134.fmfa128	360	6:52	02:28:25.9	28:28:03	300	90	3.0	#171 Local Uni	4	
0135.COMP	10	6:59	02:28:25.9	28:28:03	300	90	3.0	#171 Local Uni	4	
0136.fmfa129	360	7:00	02:28:28.5	28:09:24	300	90	3.0	#171 Local Uni	4	
0137.COMP	10	7:06	02:28:28.5	28:09:24	300	90	3.0	#171 Local Uni	4	
0138.fmfa130	360	7:07	02:28:31.2	28:20:53	300	90	3.0	#171 Local Uni	4	
0139.COMP	10	7:14	02:28:31.2	28:20:53	300	90	3.0	#171 Local Uni	4	
0140.fmfa131	360	7:15	02:28:55.3	28:09:04	300	90	3.0	#171 Local Uni	4	
0141.COMP	10	7:21	02:28:55.3	28:09:04	300	90	3.0	#171 Local Uni	4	
0142.fmfa132	720	7:30	02:29:06.4	28:13:31	300	90	3.0	#171 Local Uni	4	
0143.COMP	10	7:43	02:29:06.4	28:13:31	300	90	3.0	#171 Local Uni	4	

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0144.fmfa133	480	7:44	02:29:09.4	28:48:47	300	90	3.0	#171 Local Uni	4	
0145.COMP	10	7:53	02:29:09.4	28:48:47	300	90	3.0	#171 Local Uni	4	
0146.fmfa134	540	7:54	02:29:18.3	28:00:05	300	90	3.0	#171 Local Uni	4	
0147.COMP	10	8:04	02:29:18.3	28:00:05	300	90	3.0	#171 Local Uni	4	
0148.fmfa135	720	8:06	02:29:23.5	28:09:05	300	90	3.0	#171 Local Uni	4	
0149.COMP	10	8:18	02:29:23.5	28:09:05	300	90	3.0	#171 Local Uni	4	
0150.fmfa136	720	8:20	02:29:30.5	28:44:47	300	90	3.0	#171 Local Uni	4	
0151.COMP	10	8:32	02:29:30.5	28:44:47	300	90	3.0	#171 Local Uni	4	
0152.fmfa137	900	8:34	02:29:36.6	28:58:34	300	90	3.0	#171 Local Uni	4	
0153.COMP	10	8:49	02:29:36.6	28:58:34	300	90	3.0	#171 Local Uni	4	
0154.fmfa138	600	8:50	02:29:51.7	28:16:54	300	90	3.0	#171 Local Uni	4	
0155.COMP	10	9:01	02:29:51.7	28:16:54	300	90	3.0	#171 Local Uni	4	
0156.sn2006lf	1800	9:05	04:38:29.4	44:02:01	300	-40	3.0	#2 SN Observat	2	
0157.COMP	10	9:35	04:38:29.4	44:02:01	300	-40	3.0	#2 SN Observat	2	
0158.sn2006le	1500	9:44	05:00:41.9	62:15:19	300	-27	3.0	#2 SN Observat	2	
0159.COMP	10	10:10	05:00:41.9	62:15:19	300	-27	3.0	#2 SN Observat	2	
0160.sn2006jc	600	10:13	09:17:20.7	+41:54:32	300	90	3.0	#2 SN Observat	2	
0161.COMP	10	10:23	09:17:20.7	+41:54:32	300	90	3.0	#2 SN Observat	2	
0162.c18-EH	1500	10:27	9:17:08.3	29:22:17	300	20	3.0	#113 Interacti	4	
0163.COMP	10	10:53	9:17:08.3	29:22:17	300	20	3.0	#113 Interacti	4	

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0164.e466-CB	1200	10:55	9:42:27.3	28:57:09	300	-23	3.0	#113 Interacti	4	
0165.COMP	10	11:16	9:42:27.3	28:57:09	300	-23	3.0	#113 Interacti	4	
0166.e466-CF	900	11:19	9:42:55.1	28:58:50	300	-15	3.0	#113 Interacti	4	
0167.COMP	10	11:34	9:42:55.1	28:58:50	300	-15	3.0	#113 Interacti	4	
0168.c11-CR	1800	11:36	10:06:07.1	29:07:55	300	90	3.0	#113 Interacti	4	
0169.COMP	10	12:07	10:06:07.1	29:07:55	300	90	3.0	#113 Interacti	4	
0170.Akn120	300	12:22	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0171.COMP	10	12:28	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0172.N3227	150	12:30	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0173.N3227	150	12:32	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0174.COMP	10	12:35	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0175.N4051	150	12:37	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0176.N4051	150	12:39	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0177.COMP	10	12:42	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0178.N4151	150	12:43	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0179.N4151	150	12:46	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0180.COMP	10	12:49	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0181-0190.BIAS	0	13:03	13:51:53.6	+69:33:13	300	90	3.0	#157 IPHAS	4	
0191-0200.FLAT	12	13:06	13:51:53.6	+69:33:13	300	90	3.0	#157 IPHAS	4	
0201-0210.BIAS	0	13:08	13:51:53.6	+69:33:13	300	90	3.0	#157 IPHAS	2	

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0211-0225.FLAT	25	13:17	13:51:53.6	+69:33:13	300	90	3.0	#157 IPHAS	2	
0226-0230.DARK	900	14:19	13:51:53.6	+69:33:13	300	90	3.0	#157 IPHAS	4	
0231-0235.DARK	900	15:36	13:51:53.6	+69:33:13	300	90	3.0	#157 IPHAS	2	

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0001-0010.BIAS	0	23:42	16:06:49.1	+31:31:01	300	90	3.0	#157 IPHAS	4	
0011-0020.FLAT	12	23:46	16:06:49.1	+31:31:01	300	90	3.0	#157 IPHAS	4	
0021-0030.BIAS	0	23:47	16:06:49.1	+31:31:01	300	90	3.0	#157 IPHAS	2	
0031-0045.FLAT	25	23:56	16:06:49.1	+31:31:01	300	90	3.0	#157 IPHAS	2	
0046-0048.sky	7	0:46	18:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0049.COMP	10	0:47	18:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0050.BDp174708	45	1:07	22:11:31.4	18:05:33	300	-37	3.0	#56 Spectropho	2	
0051.BDp174708	45	1:08	22:11:31.4	18:05:33	300	-37	3.0	#56 Spectropho	2	
0052.COMP	10	1:09	22:11:31.4	18:05:33	300	-37	3.0	#56 Spectropho	2	
0053.BDp284211	90	1:12	21:51:11.1	28:51:53	300	-58	3.0	#56 Spectropho	2	
0054.BDp284211	90	1:14	21:51:11.1	28:51:53	300	-58	3.0	#56 Spectropho	2	
0055.COMP	10	1:16	21:51:11.1	28:51:53	300	-58	3.0	#56 Spectropho	2	
0056.YYHer	10	1:21	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0057.YYHer	60	1:21	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0058.COMP	10	1:22	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0059.V443Her	5	1:25	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0060.V443Her	45	1:25	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0061.V443Her	90	1:26	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0062.COMP	10	1:31	18:22:03.2	+23:28:09	300	90	3.0	#12 Symbiotic	4	
0063.MRK509	180	1:34	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	

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0064.MRK509	180	1:37	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0065.COMP	10	1:40	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0066.N7469	120	1:42	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0067.N7469	120	1:44	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0068.COMP	10	1:46	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0069.MRK335	150	1:54	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0070.MRK335	150	1:56	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0071.COMP	10	1:59	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0072.19201500+0015208	900	2:09	19:20:15.0	+00:15:20	300	90	3.0	#141 Mapping t	4	
0073.COMP	10	2:25	19:20:15.0	+00:15:20	300	90	3.0	#141 Mapping t	4	
0074.19541472+1002550	900	2:31	19:54:14.7	+10:02:55	300	90	3.0	#141 Mapping t	4	
0075.COMP	10	2:47	19:54:14.7	+10:02:55	300	90	3.0	#141 Mapping t	4	
0076.20413829+2629334	600	3:00	20:41:38.2	+26:29:33	300	90	3.0	#141 Mapping t	4	
0077.COMP	10	3:11	20:41:38.2	+26:29:33	300	90	3.0	#141 Mapping t	4	
0078.23443782-2348358	600	3:13	23:44:37.8	-23:48:35	300	105	3.0	#141 Mapping t	4	
0079.COMP	10	3:24	23:44:37.8	-23:48:35	300	105	3.0	#141 Mapping t	4	
0080.01394085+5507549	360	3:27	01:39:40.8	+55:07:54	300	90	3.0	#141 Mapping t	4	
0081.COMP	10	3:33	01:39:40.8	+55:07:54	300	90	3.0	#141 Mapping t	4	
0082.02031451+5502120	480	3:36	02:03:14.5	+55:02:12	300	90	3.0	#141 Mapping t	4	
0083.COMP	10	3:45	02:03:14.5	+55:02:12	300	90	3.0	#141 Mapping t	4	



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0084.sn16280	1800	3:52	00:56:29.2	-01:13:36	300	-17	3.0	#2 SN Observat	2	
0085.COMP	10	4:22	00:56:29.2	-01:13:36	300	-17	3.0	#2 SN Observat	2	
0086.IPHASB_794	120	4:26	02:34:31.0	+60:16:16	300	90	3.0	#157 IPHAS	4	
0087.COMP	10	4:29	02:34:31.0	+60:16:16	300	90	3.0	#157 IPHAS	4	
0088.IPHASB_795	120	4:30	02:37:58.1	+63:46:35	300	90	3.0	#157 IPHAS	4	
0089.COMP	10	4:32	02:37:58.1	+63:46:35	300	90	3.0	#157 IPHAS	4	
0090.IPHASB_796	120	4:35	02:38:09.9	+62:02:24	300	90	3.0	#157 IPHAS	4	
0091.COMP	10	4:37	02:38:09.9	+62:02:24	300	90	3.0	#157 IPHAS	4	
0092.IPHASB_797	120	4:38	02:38:41.8	+64:08:26	300	90	3.0	#157 IPHAS	4	
0093.COMP	10	4:41	02:38:41.8	+64:08:26	300	90	3.0	#157 IPHAS	4	
0094.IPHASB_798	120	4:42	02:39:23.6	+60:42:47	300	90	3.0	#157 IPHAS	4	
0095.COMP	10	4:44	02:39:23.6	+60:42:47	300	90	3.0	#157 IPHAS	4	
0096.IPHASB_798	120	4:45	02:39:48.1	+60:45:05	300	90	3.0	#157 IPHAS	4	
0097.COMP	10	4:47	02:39:48.1	+60:45:05	300	90	3.0	#157 IPHAS	4	
0098.IPHASB_800	120	4:48	02:39:50.9	+61:18:29	300	90	3.0	#157 IPHAS	4	
0099.COMP	10	4:50	02:39:50.9	+61:18:29	300	90	3.0	#157 IPHAS	4	
0100.IPHASB_801	120	4:51	02:41:46.7	+60:25:32	300	90	3.0	#157 IPHAS	4	
0101.COMP	10	4:53	02:41:46.7	+60:25:32	300	90	3.0	#157 IPHAS	4	
0102.IPHASB_802	120	4:54	02:42:21.5	+59:37:16	300	90	3.0	#157 IPHAS	4	
0103.COMP	10	4:57	02:42:21.5	+59:37:16	300	90	3.0	#157 IPHAS	4	

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0104.IPHASB_803	120	4:57	02:43:17.6	+60:32:05	300	90	3.0	#157 IPHAS	4	
0105.COMP	10	5:00	02:43:17.6	+60:32:05	300	90	3.0	#157 IPHAS	4	
0106.IPHASB_804	120	5:00	02:43:32.0	+63:21:50	300	90	3.0	#157 IPHAS	4	
0107.COMP	10	5:03	02:43:32.0	+63:21:50	300	90	3.0	#157 IPHAS	4	
0108.IPHASB_805	120	5:04	02:43:39.2	+62:23:28	300	90	3.0	#157 IPHAS	4	
0109.COMP	10	5:06	02:43:39.2	+62:23:28	300	90	3.0	#157 IPHAS	4	
0110.IPHASB_806	240	5:07	02:45:19.1	+63:37:55	300	90	3.0	#157 IPHAS	4	
0111.COMP	10	5:11	02:45:19.1	+63:37:55	300	90	3.0	#157 IPHAS	4	
0112.IPHASB_807	150	5:12	02:45:21.2	+62:54:16	300	90	3.0	#157 IPHAS	4	
0113.COMP	10	5:15	02:45:21.2	+62:54:16	300	90	3.0	#157 IPHAS	4	
0114.IPHASB_808	120	5:16	02:45:40.6	+59:21:51	300	90	3.0	#157 IPHAS	4	
0115.COMP	10	5:19	02:45:40.6	+59:21:51	300	90	3.0	#157 IPHAS	4	
0116.IPHASB_809	180	5:20	02:45:53.8	+63:54:14	300	90	3.0	#157 IPHAS	4	
0117.COMP	10	5:23	02:45:53.8	+63:54:14	300	90	3.0	#157 IPHAS	4	
0118.IPHASB_810	120	5:24	02:47:35.5	+61:55:31	300	90	3.0	#157 IPHAS	4	
0119.COMP	10	5:26	02:47:35.5	+61:55:31	300	90	3.0	#157 IPHAS	4	
0120.IPHASB_811	150	5:27	02:47:48.6	+60:57:50	300	90	3.0	#157 IPHAS	4	
0121.COMP	10	5:30	02:47:48.6	+60:57:50	300	90	3.0	#157 IPHAS	4	
0122.IPHASB_812	120	5:31	02:48:23.0	+61:47:28	300	90	3.0	#157 IPHAS	4	
0123.COMP	10	5:33	02:48:23.0	+61:47:28	300	90	3.0	#157 IPHAS	4	

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0124.IPHASB_813	150	5:34	02:48:23.6	+61:41:07	300	90	3.0	#157 IPHAS	4	
0125.COMP	10	5:37	02:48:23.6	+61:41:07	300	90	3.0	#157 IPHAS	4	
0126.IPHASB_814	120	5:38	02:49:28.4	+59:52:48	300	90	3.0	#157 IPHAS	4	
0127.COMP	10	5:40	02:49:28.4	+59:52:48	300	90	3.0	#157 IPHAS	4	
0128.IPHASB_815	120	5:41	02:52:00.2	+62:11:45	300	90	3.0	#157 IPHAS	4	
0129.COMP	10	5:43	02:52:00.2	+62:11:45	300	90	3.0	#157 IPHAS	4	
0130.IPHASB_816	120	5:44	02:58:56.7	+63:35:57	300	90	3.0	#157 IPHAS	4	
0131.COMP	10	5:46	02:58:56.7	+63:35:57	300	90	3.0	#157 IPHAS	4	
0132.IPHASB_817	120	5:47	02:59:05.1	+60:54:04	300	90	3.0	#157 IPHAS	4	
0133.COMP	10	5:49	02:59:05.1	+60:54:04	300	90	3.0	#157 IPHAS	4	
0134.IPHASB_818	180	5:50	02:59:35.0	+60:32:07	300	90	3.0	#157 IPHAS	4	
0135.COMP	10	5:54	02:59:35.0	+60:32:07	300	90	3.0	#157 IPHAS	4	
0136.IPHASB_819	120	5:55	03:00:56.7	+61:59:40	300	90	3.0	#157 IPHAS	4	
0137.COMP	10	5:57	03:00:56.7	+61:59:40	300	90	3.0	#157 IPHAS	4	
0138.hxPer77	120	5:58	2:17:7.8	57:10:56	300	90	3.0	#170 h & chi P	4	
0139.COMP	10	6:01	2:17:7.8	57:10:56	300	90	3.0	#170 h & chi P	4	
0140.hxPer78	150	6:01	2:20:8.7	56:51:27	300	90	3.0	#170 h & chi P	4	
0141.COMP	10	6:05	2:20:8.7	56:51:27	300	90	3.0	#170 h & chi P	4	
0142.hxPer79	150	6:06	2:21:36.2	56:45:44	300	90	3.0	#170 h & chi P	4	
0143.COMP	10	6:09	2:21:36.2	56:45:44	300	90	3.0	#170 h & chi P	4	

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0144.hxPer8	180	6:10	2:18:16.2	57:5:46	300	90	3.0	#170 h & chi P	4	
0145.COMP	10	6:13	2:18:16.2	57:5:46	300	90	3.0	#170 h & chi P	4	
0146.hxPer82	240	6:14	2:21:49.3	57:27:14	300	90	3.0	#170 h & chi P	4	
0147.COMP	10	6:18	2:21:49.3	57:27:14	300	90	3.0	#170 h & chi P	4	
0148.hxPer83	240	6:19	2:17:21.2	57:5:36	300	90	3.0	#170 h & chi P	4	
0149.COMP	10	6:23	2:17:21.2	57:5:36	300	90	3.0	#170 h & chi P	4	
0150.hxPer84	180	6:24	2:20:27.1	57:30:12	300	90	3.0	#170 h & chi P	4	
0151.COMP	10	6:28	2:20:27.1	57:30:12	300	90	3.0	#170 h & chi P	4	
0152.hxPer85	240	6:29	2:18:59.6	56:53:38	300	90	3.0	#170 h & chi P	4	
0153.COMP	10	6:33	2:18:59.6	56:53:38	300	90	3.0	#170 h & chi P	4	
0154.hxPer86	240	6:34	2:23:42.6	57:22:51	300	90	3.0	#170 h & chi P	4	
0155.COMP	10	6:38	2:23:42.6	57:22:51	300	90	3.0	#170 h & chi P	4	
0156.hxPer87	240	6:39	2:20:46.7	56:44:21	300	90	3.0	#170 h & chi P	4	
0157.COMP	10	6:43	2:20:46.7	56:44:21	300	90	3.0	#170 h & chi P	4	
0158.hxPer88	240	6:44	2:18:18.6	56:55:48	300	90	3.0	#170 h & chi P	4	
0159.COMP	10	6:49	2:18:18.6	56:55:48	300	90	3.0	#170 h & chi P	4	
0160.hxPer89	330	6:50	2:24:22.8	57:4:35	300	90	3.0	#170 h & chi P	4	
0161.COMP	10	6:56	2:24:22.8	57:4:35	300	90	3.0	#170 h & chi P	4	
0162.hxPer90	240	6:57	2:20:16.7	57:18:32	300	90	3.0	#170 h & chi P	4	
0163.COMP	10	7:01	2:20:16.7	57:18:32	300	90	3.0	#170 h & chi P	4	

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0164.hxPer9	330	7:02	2:23:54.9	56:56:22	300	90	3.0	#170 h & chi P	4	
0165.COMP	10	7:08	2:23:54.9	56:56:22	300	90	3.0	#170 h & chi P	4	
0166.hxPer91	240	7:09	2:23:32.4	57:5:12	300	90	3.0	#170 h & chi P	4	
0167.COMP	10	7:13	2:23:32.4	57:5:12	300	90	3.0	#170 h & chi P	4	
0168.hxPer92	150	7:14	2:19:51.0	57:23:35	300	90	3.0	#170 h & chi P	4	
0169.COMP	10	7:17	2:19:51.0	57:23:35	300	90	3.0	#170 h & chi P	4	
0170.hxPer93	180	7:18	2:17:40.8	56:47:37	300	90	3.0	#170 h & chi P	4	
0171.COMP	10	7:21	2:17:40.8	56:47:37	300	90	3.0	#170 h & chi P	4	
0172.hxPer94	180	7:22	2:20:25.4	56:55:27	300	90	3.0	#170 h & chi P	4	
0173.COMP	10	7:26	2:20:25.4	56:55:27	300	90	3.0	#170 h & chi P	4	
0174.hxPer95	180	7:27	2:17:34.9	57:27:15	300	90	3.0	#170 h & chi P	4	
0175.COMP	10	7:30	2:17:34.9	57:27:15	300	90	3.0	#170 h & chi P	4	
0176.hxPer96	180	7:31	2:18:32.5	57:10:43	300	90	3.0	#170 h & chi P	4	
0177.COMP	10	7:34	2:18:32.5	57:10:43	300	90	3.0	#170 h & chi P	4	
0178.hxPer97	180	7:35	2:17:49.5	56:58:52	300	90	3.0	#170 h & chi P	4	
0179.COMP	10	7:38	2:17:49.5	56:58:52	300	90	3.0	#170 h & chi P	4	
0180.hxPer98	180	7:39	2:17:5.3	57:12:46	300	90	3.0	#170 h & chi P	4	
0181.COMP	10	7:43	2:17:5.3	57:12:46	300	90	3.0	#170 h & chi P	4	
0182.fmfa139	600	7:46	02:29:56.3	28:56:14	300	90	3.0	#171 Local Uni	4	
0183.COMP	10	7:56	02:29:56.3	28:56:14	300	90	3.0	#171 Local Uni	4	

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0184.fmfa140	540	7:57	02:30:02.1	28:23:24	300	90	3.0	#171 Local Uni	4	
0185.COMP	10	8:07	02:30:02.1	28:23:24	300	90	3.0	#171 Local Uni	4	
0186.fmfa141	540	8:08	02:30:04.7	28:22:54	300	90	3.0	#171 Local Uni	4	
0187.COMP	10	8:17	02:30:04.7	28:22:54	300	90	3.0	#171 Local Uni	4	
0188.fmfa142	540	8:18	02:30:17.0	28:36:05	300	90	3.0	#171 Local Uni	4	
0189.COMP	10	8:27	02:30:17.0	28:36:05	300	90	3.0	#171 Local Uni	4	
0190.fmfa143	540	8:29	02:30:18.7	28:37:22	300	90	3.0	#171 Local Uni	4	
0191.COMP	10	8:38	02:30:18.7	28:37:22	300	90	3.0	#171 Local Uni	4	
0192.fmfa144	360	8:40	02:30:24.0	28:35:21	300	90	3.0	#171 Local Uni	4	
0193.COMP	10	8:46	02:30:24.0	28:35:21	300	90	3.0	#171 Local Uni	4	
0194.fmfa145	420	8:47	02:30:58.3	28:37:41	300	90	3.0	#171 Local Uni	4	
0195.COMP	10	8:55	02:30:58.3	28:37:41	300	90	3.0	#171 Local Uni	4	
0196.fmfa146	360	8:56	02:31:04.1	27:41:58	300	90	3.0	#171 Local Uni	4	
0197.COMP	10	9:02	02:31:04.1	27:41:58	300	90	3.0	#171 Local Uni	4	
0198.fmfa147	480	9:03	02:31:24.0	28:14:58	300	90	3.0	#171 Local Uni	4	
0199.COMP	10	9:11	02:31:24.0	28:14:58	300	90	3.0	#171 Local Uni	4	
0200.fmfa148	480	9:12	02:31:26.1	28:23:39	300	90	3.0	#171 Local Uni	4	
0201.COMP	10	9:21	02:31:26.1	28:23:39	300	90	3.0	#171 Local Uni	4	
0202.fmfa155	600	9:22	03:36:39.5	9:58:54	300	90	3.0	#171 Local Uni	4	
0203.COMP	10	9:33	03:36:39.5	9:58:54	300	90	3.0	#171 Local Uni	4	

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0204.sn20061f	1800	9:36	04:38:29.4	44:02:01	300	110	3.0	#2 SN Observat	2	
0205.COMP	10	10:07	04:38:29.4	44:02:01	300	110	3.0	#2 SN Observat	2	
0206.sn20061e	1500	10:10	05:00:41.9	62:15:19	300	-35	3.0	#2 SN Observat	2	
0207.COMP	10	10:35	05:00:41.9	62:15:19	300	-35	3.0	#2 SN Observat	2	
0208.NGC2342	1080	10:41	7:09:15.1	20:38:15	300	90	3.0	#113 Interacti	4	
0209.COMP	10	11:00	7:09:15.1	20:38:15	300	90	3.0	#113 Interacti	4	
0210.NGC2342	900	11:01	7:09:15.1	20:38:15	300	90	3.0	#113 Interacti	4	
0211.COMP	10	11:16	7:09:15.1	20:38:15	300	90	3.0	#113 Interacti	4	
0212.NGC2388	1200	11:18	7:28:53.3	33:49:05	300	90	3.0	#113 Interacti	4	
0213.COMP	10	11:39	7:28:53.3	33:49:05	300	90	3.0	#113 Interacti	4	
0214.NGC2389	1200	11:40	7:29:04.3	33:51:38	300	90	3.0	#113 Interacti	4	
0215.COMP	10	12:00	7:29:04.3	33:51:38	300	90	3.0	#113 Interacti	4	
0216.sn20061v	1200	12:04	11:32:03.3	+36:42:03	300	107	3.0	#2 SN Observat	4	
0217.COMP	10	12:25	11:32:03.3	+36:42:03	300	107	3.0	#2 SN Observat	4	
0218.N3227	150	12:28	10:23:30.6	+19:51:54	300	107	3.0	#6 AGN Monitor	2	
0219.N3227	150	12:31	10:23:30.6	+19:51:54	300	107	3.0	#6 AGN Monitor	2	
0220.COMP	10	12:34	10:23:30.6	+19:51:54	300	107	3.0	#6 AGN Monitor	2	
0221.c17-FC	600	12:35	11:10:38.5	28:46:01	300	90	3.0	#113 Interacti	4	
0222.COMP	10	12:46	11:10:38.5	28:46:01	300	90	3.0	#113 Interacti	4	
0223.N4051	150	12:48	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	

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0224.N4051	150	12:50	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0225.COMP	10	12:53	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0226-0235.BIAS	0	13:08	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0236-0245.FLAT	12	13:12	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0246-0255.BIAS	0	13:14	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0256-0270.FLAT	25	13:22	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0271-0275.DARK	900	14:24	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0276-0280.DARK	900	15:41	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	



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0001-0010.BIAS	0	23:10	12:30:49.4	+12:23:28	300	90	3.0	#57 Velocity S	4	
0011-0020.FLAT	12	23:14	12:30:49.4	+12:23:28	300	90	3.0	#57 Velocity S	4	
0021-0030.BIAS	0	23:16	12:30:49.4	+12:23:28	300	90	3.0	#57 Velocity S	2	
0031-0045.FLAT	25	23:24	12:30:49.4	+12:23:28	300	90	3.0	#57 Velocity S	2	
0046-0048.sky	7	0:47	18:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0049.COMP	10	0:48	18:00:00	+00:00:00	300	90	3.0	#57 Velocity S	4	
0050.BDp174708	45	1:08	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0051.BDp174708	45	1:09	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0052.COMP	10	1:10	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0053.BDp284211	90	1:14	21:51:11.1	28:51:53	300	-48	3.0	#56 Spectropho	2	
0054.BDp284211	90	1:16	21:51:11.1	28:51:53	300	-48	3.0	#56 Spectropho	2	
0055.COMP	10	1:18	21:51:11.1	28:51:53	300	-48	3.0	#56 Spectropho	2	
0056.N7331	180	1:21	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0057.N7331	180	1:24	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0058.COMP	10	1:27	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0059.Akn564	180	1:29	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0060.Akn564	180	1:32	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0061.COMP	10	1:36	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0062.BFCyg	1	1:39	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0063.BFCyg	60	1:39	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	

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0064.COMP	10	1:40	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0065.CHCyg	1	1:42	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0066.CHCyg	5	1:43	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0067.CHCyg	30	1:43	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0068.COMP	10	1:44	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0069.CICyg	2	1:45	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0070.CICyg	20	1:45	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0071.CICyg	60	1:46	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0072.COMP	10	1:47	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0073.PUVul	1	1:49	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0074.PUVul	10	1:49	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0075.PUVul	60	1:49	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0076.COMP	10	1:50	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	4	
0077.19593600-1313595	600	1:52	19:59:36.0	-13:13:59	300	90	3.0	#141 Mapping t	4	
0078.COMP	10	2:03	19:59:36.0	-13:13:59	300	90	3.0	#141 Mapping t	4	
0079.20213888-1512455	300	2:07	20:21:38.8	-15:12:45	300	90	3.0	#141 Mapping t	4	
0080.COMP	10	2:12	20:21:38.8	-15:12:45	300	90	3.0	#141 Mapping t	4	
0081.21001505-1425094	360	2:13	21:00:15.0	-14:25:09	300	90	3.0	#141 Mapping t	4	
0082.COMP	10	2:20	21:00:15.0	-14:25:09	300	90	3.0	#141 Mapping t	4	
0083.21010176-1352449	300	2:21	21:01:01.7	-13:52:44	300	90	3.0	#141 Mapping t	4	

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0084.COMP	10	2:27	21:01:01.7	-13:52:44	300	90	3.0	#141 Mapping t	4	
0085.21103548-1641246	480	2:28	21:10:35.4	-16:41:24	300	80	3.0	#141 Mapping t	4	
0086.COMP	10	2:37	21:10:35.4	-16:41:24	300	80	3.0	#141 Mapping t	4	
0087.02340426+5434208	600	2:50	02:34:04.2	+54:34:20	300	90	3.0	#141 Mapping t	4	
0088.COMP	10	3:01	02:34:04.2	+54:34:20	300	90	3.0	#141 Mapping t	4	
0089.02485391+4844553	600	3:02	02:48:53.9	+48:44:55	300	90	3.0	#141 Mapping t	4	
0090.COMP	10	3:12	02:48:53.9	+48:44:55	300	90	3.0	#141 Mapping t	4	
0091.02495291+4923111	600	3:14	02:49:52.9	+49:23:11	300	90	3.0	#141 Mapping t	4	
0092.COMP	10	3:24	02:49:52.9	+49:23:11	300	90	3.0	#141 Mapping t	4	
0093.sn16314	1800	3:36	21:23:42.9	-00:50:36	300	45	3.0	#2 SN Observat	2	
0094.COMP	10	4:08	21:23:42.9	-00:50:36	300	45	3.0	#2 SN Observat	2	
0095.fmfa157	360	4:12	03:37:07.5	10:09:36	300	90	3.0	#171 Local Uni	4	
0096.COMP	10	4:18	03:37:07.5	10:09:36	300	90	3.0	#171 Local Uni	4	
0097.fmfa158	480	4:25	03:37:09.5	9:58:24	300	90	3.0	#171 Local Uni	4	
0098.COMP	10	4:34	03:37:00.6	+09:58:07	300	90	3.0	#171 Local Uni	4	
0099.fmfa159	480	4:54	03:37:03.2	+10:44:55	300	90	3.0	#171 Local Uni	4	
0100.COMP	10	5:03	03:37:03.2	+10:44:55	300	90	3.0	#171 Local Uni	4	
0101.fmfa160	540	5:05	03:37:18.6	10:35:07	300	90	3.0	#171 Local Uni	4	
0102.COMP	10	5:15	03:37:18.6	10:35:07	300	90	3.0	#171 Local Uni	4	
0103.fmfa162	540	5:16	03:37:38.0	10:01:18	300	90	3.0	#171 Local Uni	4	

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0104.COMP	10	5:26	03:37:38.0	10:01:18	300	90	3.0	#171 Local Uni	4	
0105.fmfa163	600	5:31	03:37:44.4	9:49:15	300	90	3.0	#171 Local Uni	4	
0106.COMP	10	5:41	03:37:44.4	9:49:15	300	90	3.0	#171 Local Uni	4	
0107.fmfa164	720	5:43	03:37:46.3	10:22:37	300	90	3.0	#171 Local Uni	4	
0108.COMP	10	5:55	03:37:46.3	10:22:37	300	90	3.0	#171 Local Uni	4	
0109.fmfa165	540	6:04	03:37:50.9	9:36:30	300	90	3.0	#171 Local Uni	4	
0110.COMP	10	6:13	03:37:50.9	9:36:30	300	90	3.0	#171 Local Uni	4	
0111.fmfa166	600	6:14	03:37:53.2	9:49:11	300	90	3.0	#171 Local Uni	4	
0112.COMP	10	6:26	03:37:53.2	9:49:11	300	90	3.0	#171 Local Uni	4	
0113.fmfa167	600	6:27	03:37:54.7	10:02:35	300	90	3.0	#171 Local Uni	4	
0114.COMP	10	6:38	03:37:54.7	10:02:35	300	90	3.0	#171 Local Uni	4	
0115.fmfa168	600	6:39	03:37:58.2	15:38:54	300	90	3.0	#171 Local Uni	4	
0116.COMP	10	6:49	03:37:58.2	15:38:54	300	90	3.0	#171 Local Uni	4	
0117.fmfa169	600	6:51	03:38:06.8	15:44:41	300	90	3.0	#171 Local Uni	4	
0118.COMP	10	7:01	03:38:06.8	15:44:41	300	90	3.0	#171 Local Uni	4	
0119.sn16392	1800	7:08	01:51:48.1	00:15:47	300	35	3.0	#2 SN Observat	2	
0120.COMP	10	7:38	01:51:48.1	00:15:47	300	35	3.0	#2 SN Observat	2	
0121.02495926+4908551	360	7:45	02:49:59.2	+49:08:55	300	90	3.0	#141 Mapping t	4	
0122.COMP	10	7:51	02:49:59.2	+49:08:55	300	90	3.0	#141 Mapping t	4	
0123.02504599+5056039	360	7:53	02:50:45.9	+50:56:03	300	90	3.0	#141 Mapping t	4	

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0124.COMP	10	8:00	02:50:45.9	+50:56:03	300	90	3.0	#141 Mapping t	4	
0125.02512203+4824032	360	8:02	02:51:22.0	+48:24:03	300	90	3.0	#141 Mapping t	4	
0126.COMP	10	8:08	02:51:22.0	+48:24:03	300	90	3.0	#141 Mapping t	4	
0127.02560670+4842101	360	8:09	02:56:06.7	+48:42:10	300	90	3.0	#141 Mapping t	4	
0128.COMP	10	8:15	02:56:06.7	+48:42:10	300	90	3.0	#141 Mapping t	4	
0129.03495334+4613041	480	8:17	03:49:53.3	+46:13:04	300	90	3.0	#141 Mapping t	4	
0130.COMP	10	8:25	03:49:53.3	+46:13:04	300	90	3.0	#141 Mapping t	4	
0131.04315595+3457087	480	8:28	04:31:55.9	+34:57:08	300	90	3.0	#141 Mapping t	4	
0132.COMP	10	8:39	04:31:55.9	+34:57:08	300	90	3.0	#141 Mapping t	4	
0133.03460827-0615322	480	8:43	03:46:08.2	-06:15:32	300	90	3.0	#141 Mapping t	4	
0134.COMP	10	8:51	03:46:08.2	-06:15:32	300	90	3.0	#141 Mapping t	4	
0135.04331335-2204033	480	8:53	04:33:13.3	-22:04:03	300	90	3.0	#141 Mapping t	4	
0136.COMP	10	9:03	04:33:03.9	-22:04:00	300	90	3.0	#141 Mapping t	4	
0137.cirsfastb016	900	9:26	07:45:06.5	28:45:27	300	90	3.0	#172 SDSS Clus	4	
0138.COMP	10	9:41	07:45:06.5	28:45:27	300	90	3.0	#172 SDSS Clus	4	
0139.cirsfastb017	900	9:44	07:45:31.0	28:26:27	300	90	3.0	#172 SDSS Clus	4	
0140.COMP	10	9:59	07:45:31.0	28:26:27	300	90	3.0	#172 SDSS Clus	4	
0141.cirsfastb023	480	10:02	07:47:10.4	28:30:24	300	90	3.0	#172 SDSS Clus	4	
0142.COMP	10	10:11	07:47:10.4	28:30:24	300	90	3.0	#172 SDSS Clus	4	
0143.cirsfastb024	480	10:12	07:47:34.0	27:45:21	300	90	3.0	#172 SDSS Clus	4	

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0144.COMP	10	10:20	07:47:34.0	27:45:21	300	90	3.0	#172 SDSS Clus	4	
0145.NGC2389	1500	10:22	7:29:04.3	33:51:38	300	90	3.0	#113 Interacti	4	
0146.COMP	10	10:48	7:29:04.3	33:51:38	300	90	3.0	#113 Interacti	4	
0147.CGCG058-004	1500	10:52	7:35:29.8	11:42:58	300	90	3.0	#113 Interacti	4	
0148.COMP	10	11:17	7:35:29.8	11:42:58	300	90	3.0	#113 Interacti	4	
0149.MCG+02-20-003	1200	11:20	7:35:43.3	11:42:29	300	-46	3.0	#113 Interacti	4	
0150.COMP	10	11:41	07:35:40.7	+11:43:36	300	-46	3.0	#113 Interacti	4	
0151.c17-BR	1200	11:45	10:57:51.3	29:39:08	300	90	3.0	#113 Interacti	4	
0152.COMP	10	12:05	10:57:51.3	29:39:08	300	90	3.0	#113 Interacti	4	
0153.sn2006lv	1500	12:08	11:32:03.3	+36:42:03	300	105	3.0	#2 SN Observat	2	
0154.COMP	10	12:34	11:32:03.3	+36:42:03	300	105	3.0	#2 SN Observat	2	
0155.N3227	150	12:36	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0156.N3227	150	12:38	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0157.COMP	10	12:41	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0158.N4051	150	12:43	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0159.N4051	150	12:45	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0160.COMP	10	12:48	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0161.N4151	30	12:49	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0162.N4151	30	12:50	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0163.COMP	10	12:51	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	

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0164-0173.BIAS	0	13:05	12:10:32.6	+39:24:21	300	90	3.0	#57 Velocity S	4	
0174-0183.FLAT	12	13:08	12:10:32.6	+39:24:21	300	90	3.0	#57 Velocity S	4	
0184-0193.BIAS	0	13:10	12:10:32.6	+39:24:21	300	90	3.0	#57 Velocity S	2	
0194-0208.FLAT	25	13:19	12:10:32.6	+39:24:21	300	90	3.0	#57 Velocity S	2	
0209-0213.DARK	900	14:21	12:10:32.6	+39:24:21	300	90	3.0	#57 Velocity S	4	
0214-0216.DARK	900	15:07	12:10:32.6	+39:24:21	300	90	3.0	#57 Velocity S	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>
0016-0025.BIAS	0	0:19	12:10:32.6	+39:24:21	300	90	3.0	#57 Velocity S	2	
0026-0039.FLAT	25	0:36	12:10:32.6	+39:24:21	300	90	3.0	#57 Velocity S	2	
0040.BDp284211	90	1:36	21:51:11.1	28:51:53	300	45	3.0	#56 Spectropho	2	
0041.BDp284211	90	1:39	21:51:11.1	28:51:53	300	45	3.0	#56 Spectropho	2	
0042.COMP	10	1:41	21:51:11.1	28:51:53	300	45	3.0	#56 Spectropho	2	
0043.BDp174708	45	1:50	22:11:31.4	18:05:33	300	5	3.0	#56 Spectropho	2	
0044.BDp174708	45	1:51	22:11:31.4	18:05:33	300	5	3.0	#56 Spectropho	2	
0045.COMP	10	1:52	22:11:31.4	18:05:33	300	5	3.0	#56 Spectropho	2	
0046.N7331	180	1:56	22:34:46.9	+34:09:43	300	60	3.0	#57 Velocity S	2	
0047.N7331	180	2:03	22:34:46.9	+34:09:43	300	60	3.0	#57 Velocity S	2	
0048.COMP	10	2:07	22:34:46.9	+34:09:43	300	60	3.0	#57 Velocity S	2	
0049.19410920-1843398	420	2:22	19:41:09.2	-18:43:39	300	90	3.0	#141 Mapping t	2	
0050.COMP	10	2:31	19:41:09.2	-18:43:39	300	90	3.0	#141 Mapping t	2	
0051.20162033-1826285	600	2:42	20:16:20.3	-18:26:28	300	90	3.0	#141 Mapping t	2	
0052.COMP	10	2:52	20:16:20.3	-18:26:28	300	90	3.0	#141 Mapping t	2	
0053.20515692-2227253	480	2:59	20:51:56.9	-22:27:25	300	40	3.0	#141 Mapping t	2	
0054.COMP	10	3:07	20:51:56.9	-22:27:25	300	40	3.0	#141 Mapping t	2	
0055.sn16314	1800	3:43	21:23:42.9	-00:50:36	300	49	3.0	#2 SN Observat	2	
0056.COMP	10	4:14	21:23:42.9	-00:50:36	300	49	3.0	#2 SN Observat	2	
0057.N7469	120	4:26	23:03:15.7	+08:52:27	300	46	3.0	#6 AGN Monitor	2	



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0058.N7469	120	4:28	23:03:15.7	+08:52:27	300	46	3.0	#6 AGN Monitor	2	
0059.COMP	10	4:33	23:03:15.7	+08:52:27	300	46	3.0	#6 AGN Monitor	2	
0060.ZAnd	1	4:40	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0061.ZAnd	5	4:41	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0062.ZAnd	30	4:41	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0063.COMP	10	4:42	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0064.RAqr	0	4:46	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0065.RAqr	1	4:46	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0066.RAqr	5	4:47	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0067.RAqr	10	4:47	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0068.COMP	10	4:48	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0070.MCG-02-01-052	1080	5:10	0:18:49.6	-10:21:33	300	45	3.0	#113 Interacti	2	
0071.COMP	10	5:31	0:18:49.6	-10:21:33	300	45	3.0	#113 Interacti	2	
0072.MCG-02-01-051	1200	5:34	0:18:50.4	-10:22:28	300	45	3.0	#113 Interacti	2	
0073.COMP	10	5:55	0:18:50.4	-10:22:28	300	45	3.0	#113 Interacti	2	
0074.NGC232	1200	6:02	0:42:45.1	-23:33:31	300	45	3.0	#113 Interacti	2	
0075.COMP	10	6:23	0:42:45.1	-23:33:31	300	45	3.0	#113 Interacti	2	
0076.NGC235	1200	6:27	0:42:52.1	-23:32:19	300	45	3.0	#113 Interacti	2	
0077.COMP	10	6:48	0:42:52.1	-23:32:19	300	45	3.0	#113 Interacti	2	
0078.UGC2369Ned02	1200	7:01	2:54:01.3	14:58:42	300	90	3.0	#113 Interacti	2	

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0079.COMP	10	7:22	2:54:01.3	14:58:42	300	90	3.0	#113 Interacti	2	
0080.UGC2369Ned01	1500	7:27	2:54:01.5	14:58:20	300	90	3.0	#113 Interacti	2	
0081.COMP	10	7:53	2:54:01.5	14:58:20	300	90	3.0	#113 Interacti	2	
0082.sn20061f	1800	8:08	04:38:29.4	44:02:01	300	5	3.0	#2 SN Observat	2	
0083.COMP	10	8:39	04:38:29.4	44:02:01	300	5	3.0	#2 SN Observat	2	
0084.Akn120	300	8:48	05:13:38.0	-00:12:15	300	1	3.0	#6 AGN Monitor	2	
0085.Akn120	300	8:56	05:13:38.0	-00:12:15	300	1	3.0	#6 AGN Monitor	2	
0086.COMP	10	9:04	05:13:38.0	-00:12:15	300	1	3.0	#6 AGN Monitor	2	
0087.sn20061e	1500	9:20	05:00:41.9	62:15:19	300	-5	3.0	#2 SN Observat	2	
0088.COMP	10	9:46	05:00:41.9	62:15:19	300	-5	3.0	#2 SN Observat	2	
0089.AXPer	4	9:53	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0090.AXPer	30	9:53	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0091.AXPer	90	9:54	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0092.COMP	10	9:56	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0093.GITau	240	10:00	4:33:34	24:21:18	300	90	3.0	#12 Symbiotic	2	
0094.COMP	10	10:04	4:33:34	24:21:18	300	90	3.0	#12 Symbiotic	2	
0095.GITau	240	10:07	4:33:34	24:21:18	300	90	3.0	#12 Symbiotic	2	
0096.COMP	10	10:12	4:33:34	24:21:18	300	90	3.0	#12 Symbiotic	2	
0097.BGGem	300	10:18	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0098.COMP	10	10:24	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	

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0099.BXMon	15	10:30	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	seeing blew up to 4
0100.BXMon	180	10:30	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0101.COMP	10	10:34	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0102.N3227	150	10:45	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0103.N3227	150	10:48	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0104.COMP	10	10:51	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0105.NGC2207	300	11:00	6:16:21.5	-21:22:22	300	90	3.0	#113 Interacti	2	
0106.COMP	10	11:06	6:16:21.5	-21:22:22	300	90	3.0	#113 Interacti	2	
0107.IC2163	480	11:09	6:16:27.4	-21:22:34	300	90	3.0	#113 Interacti	2	
0108.COMP	10	11:18	6:16:27.4	-21:22:34	300	90	3.0	#113 Interacti	2	
0109.sn2006jc	1200	11:34	09:17:20.7	+41:54:32	300	70	3.0	#2 SN Observat	2	horrible seeing varied during exposure
0110.COMP	10	11:55	09:17:20.7	+41:54:32	300	70	3.0	#2 SN Observat	2	
0111.N4051	150	12:05	12:03:09.7	+44:31:53	300	70	3.0	#6 AGN Monitor	2	
0112.N4051	150	12:08	12:03:09.7	+44:31:53	300	70	3.0	#6 AGN Monitor	2	
0113.COMP	10	12:11	12:03:09.7	+44:31:53	300	70	3.0	#6 AGN Monitor	2	
0114-0123.BIAS	0	12:33	7:09:46.8	-27:34:17	300	70	3.0	#113 Interacti	2	
0124-0138.FLAT	25	12:42	7:09:46.8	-27:34:17	300	70	3.0	#113 Interacti	2	
0139-0148.DARK	900	15:21	7:09:46.8	-27:34:17	300	90	3.0	#113 Interacti	4	
0149-0158.DARK	900	17:54	7:09:46.8	-27:34:17	300	90	3.0	#113 Interacti	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	0:19	7:09:46.8	-27:34:17	300	90	3.0	#113 Interacti	2	
0011-0025.FLAT	25	0:28	7:09:46.8	-27:34:17	300	90	3.0	#113 Interacti	2	
0026.BDp284211	90	1:31	21:51:11.1	28:51:53	300	42	3.0	#56 Spectropho	2	
0027.BDp284211	90	1:33	21:51:11.1	28:51:53	300	42	3.0	#56 Spectropho	2	
0028.COMP	10	1:35	21:51:11.1	28:51:53	300	42	3.0	#56 Spectropho	2	
0029.BDp174708	45	1:42	22:11:31.4	18:05:33	300	0	3.0	#56 Spectropho	2	
0030.BDp174708	45	1:44	22:11:31.4	18:05:33	300	0	3.0	#56 Spectropho	2	
0031.COMP	10	1:47	22:11:31.4	18:05:33	300	0	3.0	#56 Spectropho	2	
0032.N7331	180	1:52	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0033.N7331	180	1:55	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0034.COMP	10	1:59	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0040.MRK509	180	2:46	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	ccd crash recovered seeing terrible
0041.MRK509	180	3:01	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0042.COMP	10	3:05	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0043.Akn564	180	3:16	22:42:39.4	+29:43:31	300	95	3.0	#6 AGN Monitor	2	
0044.Akn564	180	3:19	22:42:39.4	+29:43:31	300	95	3.0	#6 AGN Monitor	2	
0045.COMP	10	3:23	22:42:39.4	+29:43:31	300	95	3.0	#6 AGN Monitor	2	
0046.M74	300	5:10	01:36:41.8	+15:47:00	300	90	3.0	#2 SN Observat	2	
0047.COMP	10	5:17	01:36:41.8	+15:47:00	300	90	3.0	#2 SN Observat	2	
0048.M74	600	5:20	01:36:41.8	+15:47:00	300	90	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0049.COMP	10	5:31	01:36:41.8	+15:47:00	300	90	3.0	#2 SN Observat	2	
0050.sn2006ob	1800	6:01	01:51:48.1	+00:15:47	300	20	3.0	#2 SN Observat	2	very bad seeing conditions
0051.COMP	10	6:32	01:51:48.1	+00:15:47	300	20	3.0	#2 SN Observat	2	
0052.05555283+4008355	300	7:19	05:55:52.8	+40:08:35	300	90	3.0	#141 Mapping t	2	
0053.COMP	10	7:24	05:55:52.8	+40:08:35	300	90	3.0	#141 Mapping t	2	
0054.05561837+1340576	600	7:33	05:56:18.3	+13:40:57	300	100	3.0	#141 Mapping t	2	
0055.COMP	10	7:44	05:56:18.3	+13:40:57	300	100	3.0	#141 Mapping t	2	
0058.05583247+1022218	600	8:03	05:58:32.4	+10:22:21	300	79	3.0	#141 Mapping t	2	
0059.COMP	10	8:14	05:58:32.4	+10:22:21	300	79	3.0	#141 Mapping t	2	
0060.05140960+5116453	1200	8:25	05:14:09.6	+51:16:45	300	75	3.0	#141 Mapping t	2	
0061.COMP	10	8:46	05:14:09.6	+51:16:45	300	75	3.0	#141 Mapping t	2	
0062.05212161-1532332	900	8:57	05:21:21.6	-15:32:33	300	100	3.0	#141 Mapping t	2	
0063.COMP	10	9:13	05:21:21.6	-15:32:33	300	100	3.0	#141 Mapping t	2	
0064.05101413-1316308	1200	9:18	05:10:14.1	-13:16:30	300	15	3.0	#141 Mapping t	2	
0065.COMP	10	9:39	05:10:14.1	-13:16:30	300	15	3.0	#141 Mapping t	2	
0066.fmfa240	900	10:06	03:41:29.4	15:23:42	300	90	3.0	#171 Local Uni	2	
0067.COMP	10	10:21	03:41:29.4	15:23:42	300	90	3.0	#171 Local Uni	2	
0068.fmfa241	1500	10:26	03:41:38.2	10:21:40	300	90	3.0	#171 Local Uni	2	
0069.COMP	10	10:52	03:41:38.2	10:21:40	300	90	3.0	#171 Local Uni	2	
0070.N3227	150	10:56	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0071.N3227	150	10:59	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0072.COMP	10	11:02	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0073.COMP	10	11:03	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0074.MRK421	300	11:11	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0075.MRK421	300	11:17	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0076.COMP	10	11:22	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0077.fmfa274	1200	11:41	04:14:50.2	1:46:01	300	90	3.0	#171 Local Uni	2	
0078.COMP	10	12:02	04:14:50.2	1:46:01	300	90	3.0	#171 Local Uni	2	
0083.N4051	150	12:21	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0084.N4051	150	12:24	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0085.COMP	10	12:28	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0086.N4151	30	12:30	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0087.N4151	30	12:32	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0088.COMP	10	12:33	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0089.08491322-1417384	900	12:40	08:49:13.2	-14:17:38	300	90	3.0	#141 Mapping t	2	
0090.COMP	10	12:55	08:49:13.2	-14:17:38	300	90	3.0	#141 Mapping t	2	
0091-0100.BIAS	0	13:11	08:49:13.2	-14:17:38	300	90	3.0	#171 Local Uni	2	
0101-0115.FLAT	25	13:20	08:49:13.2	-14:17:38	300	90	3.0	#171 Local Uni	2	
0116-0120.DARK	900	14:33	08:49:13.2	-14:17:38	300	90	3.0	#171 Local Uni	4	
0121-0125.DARK	900	15:49	08:49:13.2	-14:17:38	300	90	3.0	#171 Local Uni	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0003-0012.BIAS	0	0:19	20:41:11.1	+31:28:16	300	90	3.0	#171 Local Uni	2	
0013-0027.FLAT	25	0:28	20:41:11.1	+31:28:16	300	90	3.0	#171 Local Uni	2	
0028.BDp284211	90	1:12	21:51:11.1	28:51:53	300	-20	3.0	#56 Spectropho	2	
0029.BDp284211	90	1:13	21:51:11.1	28:51:53	300	-20	3.0	#56 Spectropho	2	
0030.COMP	10	1:16	21:51:11.1	28:51:53	300	-20	3.0	#56 Spectropho	2	
0031.BDp174708	45	1:20	22:11:31.4	18:05:33	300	-15	3.0	#56 Spectropho	2	
0032.BDp174708	45	1:21	22:11:31.4	18:05:33	300	-15	3.0	#56 Spectropho	2	
0033.COMP	10	1:23	22:11:31.4	18:05:33	300	-15	3.0	#56 Spectropho	2	
0034.N7331	180	1:27	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0035.N7331	180	1:30	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0036.COMP	10	1:34	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0037.sn2006oa	1800	1:59	21:23:42.9	-00:50:36	300	24	3.0	#2 SN Observat	2	
0038.COMP	10	2:29	21:23:42.9	-00:50:36	300	24	3.0	#2 SN Observat	2	
0039.3C390.3	300	2:40	18:42:09.0	+79:46:17	300	90	3.0	#6 AGN Monitor	2	
0040.3C390.3	300	2:45	18:42:09.0	+79:46:17	300	90	3.0	#6 AGN Monitor	2	
0041.3C390.3	300	2:51	18:42:09.0	+79:46:17	300	90	3.0	#6 AGN Monitor	2	
0042.COMP	10	2:57	18:42:09.0	+79:46:17	300	90	3.0	#6 AGN Monitor	2	
0043.MRK509	180	3:03	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0044.MRK509	180	3:07	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0045.COMP	10	3:19	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0046.Akn564	180	3:23	22:42:39.4	+29:43:31	300	110	3.0	#6 AGN Monitor	2	
0047.Akn564	180	3:26	22:42:39.4	+29:43:31	300	110	3.0	#6 AGN Monitor	2	
0048.COMP	10	3:30	22:42:39.4	+29:43:31	300	110	3.0	#6 AGN Monitor	2	
0049.N7469	120	3:35	23:03:15.7	+08:52:27	300	110	3.0	#6 AGN Monitor	2	
0050.N7469	120	3:37	23:03:15.7	+08:52:27	300	110	3.0	#6 AGN Monitor	2	
0051.COMP	10	3:39	23:03:15.7	+08:52:27	300	110	3.0	#6 AGN Monitor	2	
0052.MRK335	150	3:45	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0053.MRK335	150	3:49	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0054.COMP	10	3:51	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0055.EGAnd	1	3:54	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0056.EGAnd	5	3:55	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0057.EGAnd	10	3:55	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0058.COMP	10	3:56	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0059.BFCyg	1	4:00	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0060.BFCyg	60	4:00	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0061.COMP	10	4:02	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0062.CHCyg	1	4:07	19:24:33	50:14:30	300	100	3.0	#12 Symbiotic	2	
0063.CHCyg	5	4:08	19:24:33	50:14:30	300	100	3.0	#12 Symbiotic	2	
0064.CHCyg	30	4:08	19:24:33	50:14:30	300	100	3.0	#12 Symbiotic	2	
0065.COMP	10	4:09	19:24:33	50:14:30	300	100	3.0	#12 Symbiotic	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0066.CICyg	2	4:18	19:50:12	35:41:02	300	98	3.0	#12 Symbiotic	2	
0067.CICyg	20	4:18	19:50:12	35:41:02	300	98	3.0	#12 Symbiotic	2	
0068.CICyg	60	4:19	19:50:12	35:41:02	300	98	3.0	#12 Symbiotic	2	
0069.COMP	10	4:20	19:50:12	35:41:02	300	98	3.0	#12 Symbiotic	2	
0070.fmfa170	1800	5:30	03:38:07.9	15:47:46	300	-40	3.0	#171 Local Uni	2	
0071.COMP	10	6:02	03:38:07.9	15:47:46	300	-40	3.0	#171 Local Uni	2	
0072.fmfa171	1200	6:17	03:38:08.6	10:07:06	300	90	3.0	#171 Local Uni	2	
0073.COMP	10	6:38	03:38:08.6	10:07:06	300	90	3.0	#171 Local Uni	2	
0074.fmfa172	540	6:41	03:38:13.8	15:46:00	300	90	3.0	#171 Local Uni	2	
0075.COMP	10	6:50	03:38:13.8	15:46:00	300	90	3.0	#171 Local Uni	2	
0076.fmfa173	480	6:54	03:38:14.0	10:05:03	300	90	3.0	#171 Local Uni	2	
0077.COMP	10	7:02	03:38:14.0	10:05:03	300	90	3.0	#171 Local Uni	2	
0078.fmfa174	540	7:06	03:38:15.2	10:13:16	300	90	3.0	#171 Local Uni	2	
0079.COMP	10	7:16	03:38:15.2	10:13:16	300	90	3.0	#171 Local Uni	2	
0080.fmfa175	900	7:26	03:38:17.0	10:02:17	300	90	3.0	#171 Local Uni	2	
0081.COMP	10	7:42	03:38:17.0	10:02:17	300	90	3.0	#171 Local Uni	2	
0082.fmfa176	900	7:47	03:38:17.6	10:02:27	300	90	3.0	#171 Local Uni	2	
0083.COMP	10	8:03	03:38:17.6	10:02:27	300	90	3.0	#171 Local Uni	2	
0084.fmfa177	480	8:09	03:38:23.9	10:12:54	300	80	3.0	#171 Local Uni	2	
0085.COMP	10	8:17	03:38:23.9	10:12:54	300	80	3.0	#171 Local Uni	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.sn20061e	1500	8:30	05:00:41.9	62:15:19	300	5	3.0	#2 SN Observat	2	
0087.COMP	10	8:56	05:00:41.9	62:15:19	300	5	3.0	#2 SN Observat	2	
0088.fmfa273	900	9:04	04:14:46.6	0:36:56	300	90	3.0	#171 Local Uni	2	
0089.COMP	10	9:19	04:14:46.6	0:36:56	300	90	3.0	#171 Local Uni	2	
0090.fmfa275	540	9:23	04:14:59.9	3:37:55	300	90	3.0	#171 Local Uni	2	
0091.COMP	10	9:33	04:14:59.9	3:37:55	300	90	3.0	#171 Local Uni	2	
0092.fmfa276	660	9:37	04:15:00.2	4:18:43	300	90	3.0	#171 Local Uni	2	
0093.COMP	10	9:48	04:15:00.2	4:18:43	300	90	3.0	#171 Local Uni	2	
0094.fmfa346	660	9:54	08:19:55.0	4:28:11	300	90	3.0	#171 Local Uni	2	
0095.COMP	10	10:06	08:19:55.0	4:28:11	300	90	3.0	#171 Local Uni	2	
0096.05101413-1316308	900	10:11	05:10:14.1	-13:16:30	300	90	3.0	#141 Mapping t	2	
0097.COMP	10	10:27	05:10:14.1	-13:16:30	300	90	3.0	#141 Mapping t	2	
0098.05582658+0953208	600	10:34	05:58:26.5	+09:53:20	300	90	3.0	#141 Mapping t	2	
0099.COMP	10	10:46	05:58:26.5	+09:53:20	300	90	3.0	#141 Mapping t	2	
0100.05471229+4226148	660	10:52	05:47:12.2	+42:26:14	300	95	3.0	#141 Mapping t	2	
0101.COMP	10	11:03	05:47:12.2	+42:26:14	300	95	3.0	#141 Mapping t	2	
0102.ESO491-G020	1080	11:09	7:09:46.8	-27:34:17	300	95	3.0	#113 Interacti	2	
0103.COMP	10	11:28	7:09:46.8	-27:34:17	300	95	3.0	#113 Interacti	2	
0104.ESO491-G021	1080	11:32	7:09:48.8	-27:34:35	300	20	3.0	#113 Interacti	2	
0105.COMP	10	11:51	7:09:48.8	-27:34:35	300	20	3.0	#113 Interacti	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>
0106.N3227	150	12:00	10:23:30.6	+19:51:54	300	89	3.0	#6 AGN Monitor	2	
0107.N3227	150	12:02	10:23:30.6	+19:51:54	300	89	3.0	#6 AGN Monitor	2	
0108.COMP	10	12:05	10:23:30.6	+19:51:54	300	89	3.0	#6 AGN Monitor	2	
0109.sn2006lv	1500	12:09	11:32:03.3	+36:42:03	300	89	3.0	#2 SN Observat	2	
0110.COMP	10	12:35	11:32:03.3	+36:42:03	300	89	3.0	#2 SN Observat	2	
0111.psn	1500	12:40	11:44:00.0	+19:58:38	300	89	3.0	#2 SN Observat	2	
0112.COMP	10	13:06	11:44:00.0	+19:58:38	300	89	3.0	#2 SN Observat	2	
0113-0122.BIAS	0	13:24	11:44:00.0	+19:58:38	300	89	3.0	#56 Spectropho	2	
0123-0137.FLAT	25	13:33	11:44:00.0	+19:58:38	300	89	3.0	#56 Spectropho	2	
0138-0142.DARK	900	14:36	11:44:00.0	+19:58:38	300	89	3.0	#56 Spectropho	4	
0143-0147.DARK	900	15:53	11:44:00.0	+19:58:38	300	89	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0003-0012.BIAS	0	0:22	11:44:00.0	+19:58:38	300	89	3.0	#56 Spectropho	2	
0013-0027.FLAT	25	0:31	11:44:00.0	+19:58:38	300	89	3.0	#56 Spectropho	2	
0028.BDp284211	90	1:27	21:51:11.1	28:51:53	300	89	3.0	#56 Spectropho	2	not at pa
0029.BDp284211	90	1:28	21:51:11.1	28:51:53	300	89	3.0	#56 Spectropho	2	not at pa
0030.COMP	10	1:31	21:51:11.1	28:51:53	300	89	3.0	#56 Spectropho	2	
0031.BDp174708	45	1:37	22:11:31.4	18:05:33	300	3	3.0	#56 Spectropho	2	
0032.BDp174708	45	1:39	22:11:31.4	18:05:33	300	3	3.0	#56 Spectropho	2	
0033.COMP	10	1:41	22:11:31.4	18:05:33	300	3	3.0	#56 Spectropho	2	
0034.BDp284211	90	1:45	21:51:11.1	28:51:53	300	68	3.0	#56 Spectropho	2	at pa
0035.BDp284211	90	1:47	21:51:11.1	28:51:53	300	68	3.0	#56 Spectropho	2	at pa
0036.COMP	10	1:49	21:51:11.1	28:51:53	300	68	3.0	#56 Spectropho	2	
0037.N7331	180	1:53	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0038.N7331	180	1:58	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0039.COMP	10	2:02	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0040.FLAT	60	2:12	22:34:46.9	+34:09:43	600	90	2.0	#57 Velocity S	2	changed for torres
0041-0044.FLAT	60	2:16	22:34:46.9	+34:09:43	600	90	2.0	#57 Velocity S	2	
0045.BDp284211	60	2:27	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0046.COMP	15	2:30	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0047.CygX2	1200	2:34	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0048.COMP	15	2:54	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	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>
0052.BIAS	0	3:13	21:44:41.2	38:19:18	300	90	3.0	#174 Cyg X-2	2	
0053.COMP	10	3:34	21:23:42.9	-00:50:36	300	45	3.0	#2 SN Observat	2	
0054.sn2006oa	1800	3:40	21:23:42.9	-00:50:36	300	49	3.0	#2 SN Observat	2	
0055.COMP	10	4:11	21:23:42.9	-00:50:36	300	49	3.0	#2 SN Observat	2	
0056.UGC1385	1080	4:41	1:54:53.6	36:55:07	300	86	3.0	#113 Interacti	2	UGC1385 at 113
0057.COMP	10	5:00	1:54:53.6	36:55:07	300	86	3.0	#113 Interacti	2	
0060.CGCG522-062	1500	5:20	1:55:01.7	36:55:19	300	90	3.0	#113 Interacti	2	at 86
0061.COMP	10	5:46	1:55:01.7	36:55:19	300	90	3.0	#113 Interacti	2	
0062.NGC833	900	5:53	2:09:20.2	-10:07:52	300	90	3.0	#113 Interacti	2	at 91
0063.COMP	10	6:09	2:09:20.2	-10:07:52	300	90	3.0	#113 Interacti	2	
0064.NGC835	900	6:12	2:09:24.2	-10:08:02	300	90	3.0	#113 Interacti	2	
0065.COMP	10	6:28	2:09:24.2	-10:08:02	300	90	3.0	#113 Interacti	2	
0066.NGC838	1080	6:35	2:09:38.0	-10:08:40	300	90	3.0	#113 Interacti	2	
0067.COMP	10	6:54	2:09:38.0	-10:08:40	300	90	3.0	#113 Interacti	2	
0068.NGC839	1080	6:57	2:09:42.5	-10:10:54	300	80	3.0	#113 Interacti	2	
0069.COMP	10	7:15	2:09:42.5	-10:10:54	300	80	3.0	#113 Interacti	2	
0070.NGC876	1500	7:27	2:17:53.1	14:31:22	300	28	3.0	#113 Interacti	2	
0071.COMP	10	7:53	2:17:53.1	14:31:22	300	28	3.0	#113 Interacti	2	
0072.sn2006lf	1800	8:00	04:38:29.4	44:02:01	300	90	3.0	#2 SN Observat	2	
0073.COMP	10	8:35	04:38:29.4	44:02:01	300	90	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>Bin</i>	<i>Comments</i>
0074.sn20061e	1500	8:48	05:00:41.9	62:15:19	300	-10	3.0	#2 SN Observat	2	
0075.COMP	10	9:15	05:00:41.9	62:15:19	300	-10	3.0	#2 SN Observat	2	
0076.NGC877	720	9:22	2:17:58.4	14:32:57	300	90	3.0	#113 Interacti	2	
0077.COMP	10	9:35	2:17:58.4	14:32:57	300	90	3.0	#113 Interacti	2	
0078.Akn120	300	9:42	05:13:38.0	-00:12:15	300	75	3.0	#6 AGN Monitor	2	
0079.COMP	10	9:47	05:13:38.0	-00:12:15	300	75	3.0	#6 AGN Monitor	2	
0080.fmfa347	1500	9:54	08:20:18.0	4:58:39	300	105	3.0	#171 Local Uni	2	
0081.COMP	10	10:20	08:20:18.0	4:58:39	300	105	3.0	#171 Local Uni	2	
0082.fmfa348	480	10:26	08:20:49.4	5:00:37	300	90	3.0	#171 Local Uni	2	
0083.COMP	10	10:34	08:20:49.4	5:00:37	300	90	3.0	#171 Local Uni	2	
0084.fmfa349	720	10:42	08:20:52.9	4:53:34	300	90	3.0	#171 Local Uni	2	
0085.COMP	10	10:58	08:20:52.9	4:53:34	300	90	3.0	#171 Local Uni	2	
0086.fmfa350	720	11:00	08:22:26.7	4:41:57	300	90	3.0	#171 Local Uni	2	
0087.COMP	10	11:13	08:22:26.7	4:41:57	300	90	3.0	#171 Local Uni	2	
0088.fmfa351	480	11:17	08:22:28.3	4:43:43	300	90	3.0	#171 Local Uni	2	
0089.COMP	10	11:27	08:22:28.3	4:43:43	300	90	3.0	#171 Local Uni	2	
0090.fmfa352	600	11:29	08:22:33.0	5:12:00	300	90	3.0	#171 Local Uni	2	
0091.COMP	10	11:40	08:22:33.0	5:12:00	300	90	3.0	#171 Local Uni	2	
0092.fmfa353	540	11:43	08:23:07.1	3:33:54	300	90	3.0	#171 Local Uni	2	
0093.COMP	10	11:52	08:23:07.1	3:33:54	300	90	3.0	#171 Local Uni	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0094.sn2006or	1200	11:59	11:48:03.4	30:21:24	300	100	3.0	#2 SN Observat	2	
0095.COMP	10	12:20	11:48:03.4	30:21:24	300	100	3.0	#2 SN Observat	2	
0096.N3227	150	12:23	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	a little out of focus I
0097.N3227	150	12:26	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0098.N3227	150	12:29	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0099.COMP	10	12:32	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0100.N4051	150	12:35	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0101.N4051	150	12:37	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0102.COMP	10	12:40	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0103.N4151	30	12:43	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0104.N4151	30	12:44	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0105.COMP	10	12:45	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0106.TXCVn	10	12:47	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0107.TXCVn	30	12:48	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0108.COMP	10	12:48	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0109.BXMon	15	12:54	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0110.BXMon	180	12:54	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0111.COMP	10	12:58	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0112-0121.BIAS	0	13:06	6:03:31	27:41:50	300	90	3.0	#174 Cyg X-2	2	
0122-0136.FLAT	25	13:14	6:03:31	27:41:50	300	90	3.0	#174 Cyg X-2	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>
0137-0141.DARK	900	14:30	6:03:31	27:41:50	300	90	3.0	#174 Cyg X-2	4	
0142-0146.DARK	900	15:47	6:03:31	27:41:50	300	90	3.0	#174 Cyg X-2	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0002-0011.BIAS	0	0:04	6:03:31	27:41:50	300	90	3.0	#174 Cyg X-2	2	
0012-0026.FLAT	25	0:13	6:03:31	27:41:50	300	90	3.0	#174 Cyg X-2	2	
0027.BDp284211	90	1:18	21:51:11.1	28:51:53	300	36	3.0	#56 Spectropho	2	
0028.BDp284211	90	1:21	21:51:11.1	28:51:53	300	36	3.0	#56 Spectropho	2	
0029.BDp284211	90	1:25	21:51:11.1	28:51:53	300	36	3.0	#56 Spectropho	2	
0030.COMP	10	1:27	21:51:11.1	28:51:53	300	36	3.0	#56 Spectropho	2	
0031.BDp174708	45	1:30	22:11:31.4	18:05:33	300	2	3.0	#56 Spectropho	2	
0032.BDp174708	45	1:32	22:11:31.4	18:05:33	300	2	3.0	#56 Spectropho	2	
0033.BDp174708	45	1:33	22:11:31.4	18:05:33	300	2	3.0	#56 Spectropho	2	
0034.COMP	10	1:34	22:11:31.4	18:05:33	300	2	3.0	#56 Spectropho	2	
0035.N7331	180	1:50	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0036.N7331	180	1:54	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0037.COMP	10	1:59	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0038.Akn564	180	2:06	22:42:39.4	+29:43:31	300	100	3.0	#6 AGN Monitor	2	
0039.Akn564	180	2:12	22:42:39.4	+29:43:31	300	100	3.0	#6 AGN Monitor	2	
0040.COMP	10	2:16	22:42:39.4	+29:43:31	300	100	3.0	#6 AGN Monitor	2	
0041.N7469	120	2:18	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0042.N7469	120	2:21	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0043.COMP	10	2:23	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0044.YYHer	10	2:26	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	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>
0045.YYHer	60	2:27	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0046.COMP	10	2:28	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0047.V443Her	5	2:35	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0048.V443Her	45	2:36	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0049.V443Her	90	2:37	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0050.COMP	10	2:40	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0051.sn2006oa	1800	2:53	21:23:42.9	-00:50:36	300	41	3.0	#2 SN Observat	2	
0052.COMP	10	3:24	21:23:42.9	-00:50:36	300	41	3.0	#2 SN Observat	2	
0053.sn2006gr	1080	3:36	22:32:22.6	+30:49:43	300	90	3.0	#2 SN Observat	2	
0054.COMP	10	4:42	22:32:22.6	+30:49:43	300	90	3.0	#2 SN Observat	2	
0055.fmfa177	660	4:55	03:38:23.9	10:12:54	300	80	3.0	#171 Local Uni	2	
0056.COMP	10	5:07	03:38:23.9	10:12:54	300	80	3.0	#171 Local Uni	2	
0057.fmfa178	1500	5:13	03:38:27.0	10:05:34	300	90	3.0	#171 Local Uni	2	
0058.COMP	10	5:39	03:38:27.0	10:05:34	300	90	3.0	#171 Local Uni	2	
0059.fmfa179	1800	5:44	03:38:27.4	15:01:36	300	90	3.0	#171 Local Uni	2	
0060.COMP	10	6:21	03:38:27.4	15:01:36	300	90	3.0	#171 Local Uni	2	
0061.fmfa180	480	6:24	03:38:30.0	15:51:31	300	90	3.0	#171 Local Uni	2	
0062.COMP	10	6:34	03:38:30.0	15:51:31	300	90	3.0	#171 Local Uni	2	
0063.fmfa181	960	6:38	03:38:33.4	10:18:22	300	90	3.0	#171 Local Uni	2	
0064.COMP	10	6:55	03:38:33.4	10:18:22	300	90	3.0	#171 Local Uni	2	

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0065.fmfa182	600	6:59	03:38:39.2	9:59:54	300	80	3.0	#171 Local Uni	2	
0066.COMP	10	7:09	03:38:39.2	9:59:54	300	80	3.0	#171 Local Uni	2	
0067.fmfa183	960	7:15	03:38:39.5	16:00:54	300	90	3.0	#171 Local Uni	2	
0068.COMP	10	7:31	03:38:39.5	16:00:54	300	90	3.0	#171 Local Uni	2	
0069.fmfa184	600	7:35	03:38:40.2	9:55:12	300	90	3.0	#171 Local Uni	2	
0070.COMP	10	7:46	03:38:40.2	9:55:12	300	90	3.0	#171 Local Uni	2	
0071.fmfa185	660	7:48	03:38:40.5	9:58:11	300	90	3.0	#171 Local Uni	2	
0072.COMP	10	8:02	03:38:40.5	9:58:11	300	90	3.0	#171 Local Uni	2	
0073.fmfa186	600	8:06	03:38:46.8	9:16:08	300	90	3.0	#171 Local Uni	2	
0074.COMP	10	8:16	03:38:46.8	9:16:08	300	90	3.0	#171 Local Uni	2	
0075.sn20061e	1080	8:27	05:00:41.9	62:15:19	300	0	3.0	#2 SN Observat	2	
0076.COMP	10	8:46	05:00:41.9	62:15:19	300	0	3.0	#2 SN Observat	2	
0077.UGC3405	1080	8:59	6:14:00.1	80:28:33	300	-48	3.0	#113 Interacti	2	
0078.COMP	10	9:19	6:14:00.1	80:28:33	300	-48	3.0	#113 Interacti	2	
0079.UGC3410	900	9:39	6:14:32.9	80:26:59	300	-47	3.0	#113 Interacti	2	
0080.COMP	10	9:56	6:14:32.9	80:26:59	300	-47	3.0	#113 Interacti	2	
0081.fmfa353	720	10:48	08:23:07.1	3:33:54	300	90	3.0	#171 Local Uni	2	
0082.COMP	10	11:01	08:23:07.1	3:33:54	300	90	3.0	#171 Local Uni	2	
0083.fmfa354	540	11:03	08:23:12.9	3:33:01	300	90	3.0	#171 Local Uni	2	
0084.COMP	10	11:13	08:23:12.9	3:33:01	300	90	3.0	#171 Local Uni	2	

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0085.fmfa355	420	11:15	08:23:16.4	4:01:21	300	90	3.0	#171 Local Uni	2	
0086.COMP	10	11:22	08:23:16.4	4:01:21	300	90	3.0	#171 Local Uni	2	
0087.fmfa356	540	11:25	08:23:31.1	4:54:47	300	90	3.0	#171 Local Uni	2	
0088.COMP	10	11:35	08:23:31.1	4:54:47	300	90	3.0	#171 Local Uni	2	
0089.fmfa357	600	11:46	08:23:33.0	4:48:55	300	90	3.0	#171 Local Uni	2	
0090.COMP	10	11:56	08:23:33.0	4:48:55	300	90	3.0	#171 Local Uni	2	
0091.N3227	150	11:59	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0092.N3227	150	12:02	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0093.COMP	10	12:05	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0094.sn2006jc	1200	12:12	09:17:20.7	+41:54:32	300	15	3.0	#2 SN Observat	2	at 92
0095.COMP	10	12:33	09:17:20.7	+41:54:32	300	15	3.0	#2 SN Observat	2	
0096.08491322-1417384	480	12:37	08:49:13.2	-14:17:38	300	90	3.0	#141 Mapping t	2	
0097.COMP	10	12:46	08:49:13.2	-14:17:38	300	90	3.0	#141 Mapping t	2	
0098-0107.BIAS	0	12:50	08:49:13.2	-14:17:38	300	90	3.0	#6 AGN Monitor	2	
0108-0122.FLAT	25	12:59	08:49:13.2	-14:17:38	300	90	3.0	#6 AGN Monitor	2	
0123-0132.DARK	900	15:32	08:49:13.2	-14:17:38	300	90	3.0	#6 AGN Monitor	4	
0133-0142.DARK	900	18:05	08:49:13.2	-14:17:38	300	90	3.0	#6 AGN Monitor	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0002-0011.BIAS	0	0:47	21:25:10.8	+31:27:56	300	90	3.0	#6 AGN Monitor	2	
0013.FLAT	50	1:00	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	600-line, 2-sec, Manuel
0014-0022.FLAT	50	1:13	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0023.BDp284211	120	1:19	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0024.BDp284211	120	1:22	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0025.COMP	15	1:24	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0028.CygX2	743	1:37	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	ok, but stopped short by clouds
0029.COMP	15	1:50	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0030.CygX2	830	1:51	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	ok, please add to file 28
0031.COMP	15	2:06	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0032.test	10	2:10	23:10:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0033.test	10	2:11	23:10:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0034.test	10	2:13	23:10:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0035.test	10	2:14	23:10:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	300-line, 3-sec, combo
0036-0045.FLAT	25	2:21	23:10:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0046.BDp174708	120	2:30	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0047.BDp174708	90	2:33	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0048.BDp174708	60	2:35	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0049.COMP	10	2:36	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0050.BDp284211	180	2:37	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>Bin</i>	<i>Comments</i>
0051.BDp284211	180	2:44	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	2:47	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0053.N7331	180	3:02	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0054.COMP	10	3:06	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0055.NGC7752	1200	3:57	23:46:58.2	29:27:40	300	90	3.0	#113 Interacti	2	
0056.COMP	10	4:18	23:46:58.2	29:27:40	300	90	3.0	#113 Interacti	2	
0057.NGC7753	1200	4:18	23:47:04.4	29:29:09	300	90	3.0	#113 Interacti	2	
0058.COMP	10	4:39	23:47:04.4	29:29:09	300	90	3.0	#113 Interacti	2	
0059.UGC12812	1800	4:41	23:51:18.1	20:34:49	300	-23	3.0	#113 Interacti	2	
0060.COMP	10	5:12	23:51:18.1	20:34:49	300	-23	3.0	#113 Interacti	2	
0061.sn2006ot	1800	5:16	02:15:04.8	-20:45:58	300	0	3.0	#2 SN Observat	2	
0062.COMP	10	5:47	02:15:04.8	-20:45:58	300	0	3.0	#2 SN Observat	2	
0063.Mrk331	600	5:50	23:51:25.9	20:35:13	300	90	3.0	#113 Interacti	2	
0064.COMP	10	6:00	23:51:25.9	20:35:13	300	90	3.0	#113 Interacti	2	
0065-0066.BIAS	0	6:02	23:51:25.9	20:35:13	300	90	3.0	#113 Interacti	2	
0068.foo	1	6:06	3:0:0	32:0:0	300	90	3.0	#113 Interacti	2	ok after ccd restart
0069.BIAS	0	6:06	3:0:0	32:0:0	300	90	3.0	#113 Interacti	2	ok
0070.BIAS	0	6:08	23:51:25.9	20:35:13	300	90	3.0	#113 Interacti	2	
0071.Mrk331	60	6:09	23:51:25.9	20:35:13	300	90	3.0	#113 Interacti	2	short test
0072.Mrk331	1080	6:10	23:51:25.9	20:35:13	300	90	3.0	#113 Interacti	2	ok

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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>
0073.COMP	10	6:29	23:51:25.9	20:35:13	300	90	3.0	#113 Interacti	2	
0074.fmfa247	720	6:35	03:44:42.6	15:44:11	300	90	3.0	#171 Local Uni	2	weak, more clouds
0075.COMP	10	6:47	03:44:42.6	15:44:11	300	90	3.0	#171 Local Uni	2	
0076.fmfa245	720	7:05	03:43:29.7	15:38:18	300	80	3.0	#171 Local Uni	2	
0077.COMP	10	7:17	03:43:29.7	15:38:18	300	80	3.0	#171 Local Uni	2	
0078.fmfa246	900	7:18	03:44:22.8	15:21:00	300	80	3.0	#171 Local Uni	2	
0079.COMP	10	7:34	03:44:22.8	15:21:00	300	80	3.0	#171 Local Uni	2	
0080.fmfa243	480	7:35	03:42:47.2	15:49:31	300	90	3.0	#171 Local Uni	2	
0081.COMP	10	7:44	03:42:47.2	15:49:31	300	90	3.0	#171 Local Uni	2	
0082.fmfa244	720	7:45	03:43:23.1	14:58:23	300	90	3.0	#171 Local Uni	2	
0084.COMP	10	7:59	03:43:23.1	14:58:23	300	90	3.0	#171 Local Uni	2	
0085.fmfa248	720	8:01	04:11:47.0	2:17:26	300	90	3.0	#171 Local Uni	2	
0086.COMP	10	8:13	04:11:47.0	2:17:26	300	90	3.0	#171 Local Uni	2	
0087.fmfa251	1200	8:14	04:12:08.0	2:50:13	300	90	3.0	#171 Local Uni	2	
0088.COMP	10	8:35	04:12:08.0	2:50:13	300	90	3.0	#171 Local Uni	2	
0089.IPHAS_B26	180	8:37	02:12:38.1	65:50:49	300	90	3.0	#157 IPHAS	2	variable clouds
0090.COMP	10	8:40	02:12:38.1	65:50:49	300	90	3.0	#157 IPHAS	2	
0091.IPHAS_B30	300	8:41	02:17:44.4	64:43:35	300	90	3.0	#157 IPHAS	2	
0092.COMP	10	8:46	02:17:44.4	64:43:35	300	90	3.0	#157 IPHAS	2	
0093.IPHAS_B33	180	8:48	02:25:2.7	64:49:47	300	90	3.0	#157 IPHAS	2	

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0094.COMP	10	8:51	02:25:2.7	64:49:47	300	90	3.0	#157 IPHAS	2	
0095.IPHAS_B34	240	8:52	02:29:13.5	63:32:24	300	90	3.0	#157 IPHAS	2	
0096.COMP	10	8:56	02:29:13.5	63:32:24	300	90	3.0	#157 IPHAS	2	
0097.IPHAS_B35	300	8:57	02:29:53.8	63:07:42	300	90	3.0	#157 IPHAS	2	
0098.COMP	10	9:02	02:29:53.8	63:07:42	300	90	3.0	#157 IPHAS	2	
0099.IPHAS_B36	210	9:03	02:34:11.9	59:56:34	300	90	3.0	#157 IPHAS	2	
0100.COMP	10	9:07	02:34:11.9	59:56:34	300	90	3.0	#157 IPHAS	2	
0101.IPHAS_B37	240	9:08	02:34:31.0	60:16:16	300	90	3.0	#157 IPHAS	2	
0102.COMP	10	9:12	02:34:31.0	60:16:16	300	90	3.0	#157 IPHAS	2	
0103.IPHAS_B38	245	9:13	02:37:53.7	62:04:10	300	90	3.0	#157 IPHAS	2	
0104.COMP	10	9:18	02:37:53.7	62:04:10	300	90	3.0	#157 IPHAS	2	
0105.IPHAS_B39	390	9:19	02:37:58.1	63:46:35	300	90	3.0	#157 IPHAS	2	
0106.COMP	10	9:26	02:37:58.1	63:46:35	300	90	3.0	#157 IPHAS	2	
0107.IPHAS_B40	360	9:27	02:38:9.9	62:02:24	300	90	3.0	#157 IPHAS	2	
0108.COMP	10	9:33	02:38:9.9	62:02:24	300	90	3.0	#157 IPHAS	2	
0109.IPHAS_B41	420	9:34	02:39:50.9	61:18:29	300	90	3.0	#157 IPHAS	2	
0110.COMP	10	9:41	02:39:50.9	61:18:29	300	90	3.0	#157 IPHAS	2	
0111.IPHAS_B75	377	9:44	02:58:27.8	63:52:34	300	90	3.0	#157 IPHAS	2	
0112.COMP	10	9:51	02:58:56.7	63:35:57	300	90	3.0	#157 IPHAS	2	henear
0113.IPHAS_B76	240	9:53	02:58:56.7	63:35:57	300	90	3.0	#157 IPHAS	2	NE of triple



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0114.COMP	10	9:57	02:58:56.7	63:35:57	300	90	3.0	#157 IPHAS	2	
0115.IPHAS_77N	90	9:58	02:58:56.7	63:35:57	300	90	3.0	#157 IPHAS	2	middle of triple
0116.IPHAS_77S	90	10:00	02:58:56.7	63:35:57	300	90	3.0	#157 IPHAS	2	SW of triple
0117.COMP	10	10:02	02:58:56.7	63:35:57	300	90	3.0	#157 IPHAS	2	
0118.05263298+5120027	420	10:05	05:26:32.9	+51:20:02	300	80	3.0	#141 Mapping t	2	
0119.COMP	10	10:13	05:26:32.9	+51:20:02	300	80	3.0	#141 Mapping t	2	
0120.05272722+2209225	720	10:15	05:27:27.2	+22:09:22	300	90	3.0	#141 Mapping t	2	
0121.COMP	10	10:28	05:27:27.2	+22:09:22	300	90	3.0	#141 Mapping t	2	
0122.05301223+1713435	480	10:29	05:30:12.2	+17:13:43	300	90	3.0	#141 Mapping t	2	
0123.COMP	10	10:37	05:30:12.2	+17:13:43	300	90	3.0	#141 Mapping t	2	
0124.05385590+1545036	330	10:38	05:38:55.9	+15:45:03	300	90	3.0	#141 Mapping t	2	
0125.COMP	10	10:44	05:38:55.9	+15:45:03	300	90	3.0	#141 Mapping t	2	
0126.05384240+1330242	330	10:44	05:38:42.4	+13:30:24	300	90	3.0	#141 Mapping t	2	
0127.COMP	10	10:50	05:38:42.4	+13:30:24	300	90	3.0	#141 Mapping t	2	
0128.05450525+1530452	330	10:51	05:45:05.2	+15:30:45	300	70	3.0	#141 Mapping t	2	
0129.COMP	10	10:57	05:45:05.2	+15:30:45	300	70	3.0	#141 Mapping t	2	
0130.06241069+2423002	480	10:58	06:24:10.6	+24:23:00	300	70	3.0	#141 Mapping t	2	
0131.COMP	10	11:07	06:24:10.6	+24:23:00	300	70	3.0	#141 Mapping t	2	
0132.cirfastb025	480	11:09	07:47:41.8	27:57:38	300	90	3.0	#172 SDSS Clus	2	
0133.COMP	10	11:18	07:47:41.8	27:57:38	300	90	3.0	#172 SDSS Clus	2	

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0134.cirsfastb026	720	11:18	07:47:54.7	28:51:44	300	90	3.0	#172 SDSS Clus	2	
0135.COMP	10	11:31	07:47:54.7	28:51:44	300	90	3.0	#172 SDSS Clus	2	
0136.cirsfastb027	360	11:31	07:47:58.4	28:19:29	300	90	3.0	#172 SDSS Clus	2	
0137.COMP	10	11:38	07:47:58.4	28:19:29	300	90	3.0	#172 SDSS Clus	2	
0138.J1021	210	11:39	10:21:46.4	23:49:26	300	90	3.0	#149 Black Hol	2	
0139.COMP	10	11:43	10:21:46.4	23:49:26	300	90	3.0	#149 Black Hol	2	
0140.cirsfastb044	390	11:47	07:49:55.4	29:25:12	300	90	3.0	#172 SDSS Clus	2	clear
0141.COMP	10	11:54	07:49:55.4	29:25:12	300	90	3.0	#172 SDSS Clus	2	
0142.cirsfastb045	600	11:55	07:49:55.8	28:40:12	300	90	3.0	#172 SDSS Clus	2	
0143.COMP	10	12:05	07:49:55.8	28:40:12	300	90	3.0	#172 SDSS Clus	2	
0144.cirsfastb046	660	12:06	07:49:59.7	29:09:21	300	90	3.0	#172 SDSS Clus	2	
0145.COMP	10	12:18	07:49:59.7	29:09:21	300	90	3.0	#172 SDSS Clus	2	
0146.cirsfastb047	240	12:18	07:50:02.7	27:38:09	300	90	3.0	#172 SDSS Clus	2	
0147.COMP	10	12:23	07:50:02.7	27:38:09	300	90	3.0	#172 SDSS Clus	2	
0148.sn2006lv	1698	12:26	11:32:03.3	+36:42:03	300	90	3.0	#2 SN Observat	2	
0149.COMP	10	12:55	11:32:03.3	+36:42:03	300	90	3.0	#2 SN Observat	2	
0150.Feige34	90	12:56	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0151.COMP	10	12:58	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0152.HD84937	5	12:59	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0153.HD84937	5	13:00	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	

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0154.COMP	10	13:00	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0155.test	1	13:02	09:48:54.8	13:45:13	300	90	5.0	#56 Spectropho	2	5-sec slit
0156.HD84937	10	13:03	09:48:54.8	13:45:13	300	90	5.0	#56 Spectropho	2	
0157.HD84937	10	13:04	09:48:54.8	13:45:13	300	90	5.0	#56 Spectropho	2	
0158.HD84937	10	13:04	09:48:54.8	13:45:13	300	90	5.0	#56 Spectropho	2	
0159.HD84937	10	13:05	09:48:54.8	13:45:13	300	90	5.0	#56 Spectropho	2	
0160.COMP	10	13:05	09:48:54.8	13:45:13	300	90	5.0	#56 Spectropho	2	no clouds
0161.Feige34	120	13:07	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	
0162.Feige34	120	13:09	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	
0163.Feige34	60	13:11	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	
0164.COMP	8	13:13	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	
0165.FLAT	15	13:15	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	5-sec slit
0166-0173.FLAT	15	13:19	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	
0174-0183.BIAS	0	13:21	10:39:36.8	43:06:10	300	90	5.0	#56 Spectropho	2	
0184.FLAT	25	13:22	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	3-sec slit
0185-0198.FLAT	25	13:31	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0199-0203.DARK	900	14:41	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	

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0001-0003.DARK	900	23:38	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0004-0020.BIAS	0	0:05	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0021-0035.FLAT	25	0:15	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0036-0040.sky	3	0:35	21:25:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0041.COMP	10	0:36	21:25:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0042.BDp174708	45	0:57	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0043.BDp174708	45	0:59	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0044.BDp174708	45	1:00	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0045.BDp174708	45	1:01	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0046.COMP	10	1:02	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0047.BDp284211	90	1:03	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0048.BDp284211	90	1:05	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0049.BDp284211	90	1:07	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0050.COMP	10	1:09	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0051.N7331	180	1:10	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0052.COMP	10	1:14	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0053.21300103+4036550	420	1:15	21:30:01.0	+40:36:55	300	90	3.0	#141 Mapping t	2	
0054.COMP	10	1:23	21:30:01.0	+40:36:55	300	90	3.0	#141 Mapping t	2	
0055.23420033+5355053	120	1:26	23:42:00.3	+53:55:05	300	90	3.0	#141 Mapping t	2	redo from 11-13, sup star
0056.23420033+5355053	360	1:30	23:42:00.3	+53:55:05	300	90	3.0	#141 Mapping t	2	mostly fuzz, some star

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0057.COMP	10	1:36	23:42:00.3	+53:55:05	300	90	3.0	#141 Mapping t	2	
0058.sn2006oa	1800	1:43	21:23:42.9	-00:50:36	300	30	3.0	#2 SN Observat	2	
0059.COMP	10	2:13	21:23:42.9	-00:50:36	300	30	3.0	#2 SN Observat	2	
0060.LTT18504	3	2:16	20:42:20.3	+45:49:24	300	103	3.0	#173 Small Sol	2	
0061.LTT18504	5	2:17	20:42:20.3	+45:49:24	300	103	3.0	#173 Small Sol	2	
0062.LTT18504	5	2:17	20:42:20.3	+45:49:24	300	103	3.0	#173 Small Sol	2	
0063.LTT18504	5	2:18	20:42:20.3	+45:49:24	300	103	3.0	#173 Small Sol	2	
0064.LTT18504	5	2:18	20:42:20.3	+45:49:24	300	103	3.0	#173 Small Sol	2	
0065.COMP	10	2:18	20:42:20.3	+45:49:24	300	103	3.0	#173 Small Sol	2	
0066.2006HR30	900	2:20	20:55:28	+34:32:5	300	87	3.0	#173 Small Sol	2	
0067.COMP	10	2:35	20:55:28	+34:32:5	300	87	3.0	#173 Small Sol	2	
0068.2006HR30	900	2:39	20:55:28	+34:32:5	300	83	3.0	#173 Small Sol	2	tilt 800, red
0069.COMP	10	2:54	20:55:28	+34:32:5	300	83	3.0	#173 Small Sol	2	
0070.LTT18504	10	2:56	20:42:20.3	+45:49:24	300	96	3.0	#173 Small Sol	2	red
0071.LTT18504	10	2:56	20:42:20.3	+45:49:24	300	96	3.0	#173 Small Sol	2	
0072.LTT18504	10	2:56	20:42:20.3	+45:49:24	300	96	3.0	#173 Small Sol	2	
0073.COMP	10	2:57	20:42:20.3	+45:49:24	300	96	3.0	#173 Small Sol	2	
0074.C2754	1200	2:59	23:38:44.2	+06:58:11	300	11	3.0	#173 Small Sol	2	red
0075.COMP	10	3:20	23:38:44.2	+06:58:11	300	11	3.0	#173 Small Sol	2	
0076.G31-2	10	3:21	23:47:52.4	4:10:32	300	11	3.0	#173 Small Sol	2	red

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0077.G31-2	10	3:22	23:47:52.4	4:10:32	300	11	3.0	#173 Small Sol	2	
0078.G31-2	10	3:22	23:47:52.4	4:10:32	300	11	3.0	#173 Small Sol	2	
0079.COMP	10	3:22	23:47:52.4	4:10:32	300	11	3.0	#173 Small Sol	2	
0080.C1089	720	3:26	02:01:50.0	+09:14:57	300	0	3.0	#173 Small Sol	2	red
0081.COMP	10	3:38	02:01:50.0	+09:14:57	300	0	3.0	#173 Small Sol	2	
0082.NLTT	10	3:39	2:7:34	-00:37:3	300	0	3.0	#173 Small Sol	2	red
0083.NLTT	10	3:40	2:7:34	-00:37:3	300	0	3.0	#173 Small Sol	2	
0084.NLTT	5	3:40	2:7:34	-00:37:3	300	0	3.0	#173 Small Sol	2	
0085.NLTT	5	3:41	2:7:34	-00:37:3	300	0	3.0	#173 Small Sol	2	
0086.COMP	10	3:41	2:7:34	-00:37:3	300	0	3.0	#173 Small Sol	2	
0087.FLAT	25	3:42	00:55:00	20:00:00	300	0	3.0	#173 Small Sol	2	red
0088-0096.FLAT	25	3:48	00:55:00	20:00:00	300	0	3.0	#173 Small Sol	2	
0097.test	5	3:50	00:55:00	20:00:00	300	0	3.0	#173 Small Sol	2	
0098.test	5	3:51	00:55:00	20:00:00	300	0	3.0	#173 Small Sol	2	
0099.G31-2	5	3:54	23:47:52.4	4:10:32	300	25	3.0	#173 Small Sol	2	300-line, 3-sec, combo
0100.G31-2	5	3:54	23:47:52.4	4:10:32	300	25	3.0	#173 Small Sol	2	
0101.G31-2	5	3:55	23:47:52.4	4:10:32	300	25	3.0	#173 Small Sol	2	
0102.COMP	10	3:55	23:47:52.4	4:10:32	300	25	3.0	#173 Small Sol	2	
0103.C2754	1200	3:56	23:38:44.2	+06:58:11	300	35	3.0	#173 Small Sol	2	
0104.COMP	10	4:17	23:38:44.2	+06:58:11	300	35	3.0	#173 Small Sol	2	

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0105.C1089	720	4:19	02:01:50.0	+09:14:57	300	0	3.0	#173 Small Sol	2	
0106.COMP	10	4:31	02:01:50.0	+09:14:57	300	0	3.0	#173 Small Sol	2	
0107.NLTT	5	4:32	2:7:34	-00:37:3	300	0	3.0	#173 Small Sol	2	
0108.NLTT	5	4:33	2:7:34	-00:37:3	300	0	3.0	#173 Small Sol	2	
0109.NLTT	5	4:33	2:7:34	-00:37:3	300	0	3.0	#173 Small Sol	2	
0110.COMP	10	4:33	2:7:34	-00:37:3	300	0	3.0	#173 Small Sol	2	waste time looking for gal at 87 dec
0111.fmfa215	300	4:54	03:39:30.5	10:11:22	300	90	3.0	#171 Local Uni	2	
0112.COMP	10	5:00	03:39:30.5	10:11:22	300	90	3.0	#171 Local Uni	2	
0113.fmfa222	300	5:01	03:39:44.5	15:48:03	300	90	3.0	#171 Local Uni	2	
0115.COMP	10	5:08	03:39:44.5	15:48:03	300	90	3.0	#171 Local Uni	2	
0116.fmfa223	720	5:11	03:39:46.6	10:34:48	300	95	3.0	#171 Local Uni	2	gal fmfa221 is the fainter object up there at row 126
0117.COMP	10	5:23	03:39:46.6	10:34:48	300	95	3.0	#171 Local Uni	2	please extract if possible
0118.fmfa226	600	5:24	03:40:03.7	10:13:48	300	95	3.0	#171 Local Uni	2	
0119.COMP	10	5:34	03:40:03.7	10:13:48	300	95	3.0	#171 Local Uni	2	
0120.fmfa227	600	5:35	03:40:13.8	10:06:47	300	95	3.0	#171 Local Uni	2	
0121.COMP	10	5:45	03:40:13.8	10:06:47	300	95	3.0	#171 Local Uni	2	
0122.fmfa228	300	5:46	03:40:17.1	10:03:18	300	95	3.0	#171 Local Uni	2	
0123.COMP	10	5:51	03:40:17.1	10:03:18	300	95	3.0	#171 Local Uni	2	
0124.fmfa220	660	5:52	03:39:41.3	9:44:32	300	90	3.0	#171 Local Uni	2	
0125.COMP	10	6:04	03:39:41.3	9:44:32	300	90	3.0	#171 Local Uni	2	

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0126.fmfa219	660	6:05	03:39:40.7	15:55:52	300	90	3.0	#171 Local Uni	2	
0127.COMP	10	6:17	03:39:40.7	15:55:52	300	90	3.0	#141 Mapping t	2	
0128.03495334+4613041	1200	6:20	03:49:53.3	+46:13:04	300	110	3.0	#141 Mapping t	2	
0129.COMP	10	6:40	03:49:53.3	+46:13:04	300	110	3.0	#141 Mapping t	2	
0130.04315595+3457087	1200	6:42	04:31:55.9	+34:57:08	300	70	3.0	#141 Mapping t	2	
0131.COMP	10	7:02	04:31:55.9	+34:57:08	300	70	3.0	#141 Mapping t	2	
0132.2006U1	1800	7:04	04:38:13	+20:05:24	300	90	3.0	#173 Small Sol	2	
0133.COMP	10	7:35	04:38:13	+20:05:24	300	90	3.0	#173 Small Sol	2	
0134.HD29714	4	7:36	4:41:43	22:37:24	300	90	3.0	#173 Small Sol	2	
0135.HD29714	20	7:36	4:41:43	22:37:24	300	90	3.0	#173 Small Sol	2	
0136.HD29714	20	7:37	4:41:43	22:37:24	300	90	3.0	#173 Small Sol	2	
0137.HD29714	20	7:37	4:41:43	22:37:24	300	90	3.0	#173 Small Sol	2	
0138.COMP	10	7:38	4:41:43	22:37:24	300	90	3.0	#173 Small Sol	2	
0139.sn2006lf	1800	7:40	04:38:29.4	44:02:01	300	90	3.0	#2 SN Observat	2	
0140.COMP	10	8:11	04:38:29.4	44:02:01	300	90	3.0	#2 SN Observat	2	
0141.sn2006le	1800	8:13	05:00:41.9	62:15:19	300	90	3.0	#2 SN Observat	2	
0142.COMP	10	8:44	05:00:41.9	62:15:19	300	90	3.0	#2 SN Observat	2	
0143.05261027-1206236	300	8:46	05:26:10.2	-12:06:23	300	90	3.0	#141 Mapping t	2	
0144.COMP	10	8:51	05:26:10.2	-12:06:23	300	90	3.0	#141 Mapping t	2	
0145.05430268-2006197	300	8:52	05:43:02.6	-20:06:19	300	90	3.0	#141 Mapping t	2	



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0146.COMP	10	8:58	05:43:02.6	-20:06:19	300	90	3.0	#141 Mapping t	2	
0147.06175879-2337468	300	8:58	06:17:58.7	-23:37:46	300	90	3.0	#141 Mapping t	2	
0148.COMP	10	9:04	06:17:58.7	-23:37:46	300	90	3.0	#141 Mapping t	2	
0149.FLAT	25	9:05	6:15:00	32:00:00	300	90	3.0	#141 Mapping t	2	combo
0150-0158.FLAT	25	9:11	6:15:00	32:00:00	300	90	3.0	#141 Mapping t	2	
0159.test	10	9:14	6:15:00	32:00:00	600	90	2.0	#141 Mapping t	4	
0160-0169.BIAS	0	9:15	6:15:00	32:00:00	600	90	2.0	#141 Mapping t	4	
0170.FLAT	45	9:16	6:15:00	32:00:00	600	90	2.0	#141 Mapping t	4	600-line, 2-sec, Warren
0171-0179.FLAT	45	9:24	6:15:00	32:00:00	600	90	2.0	#141 Mapping t	4	
0180.bcand227	660	9:27	7:49:31.8	13:30:58	600	90	2.0	#166 Hyper Vel	4	
0181.COMP	10	9:38	7:49:31.8	13:30:58	600	90	2.0	#166 Hyper Vel	4	
0182.bcand228	1200	9:39	7:51:25.1	12:02:34	600	90	2.0	#166 Hyper Vel	4	
0183.COMP	10	9:59	7:51:25.1	12:02:34	600	90	2.0	#166 Hyper Vel	4	
0184.bcand234	1260	10:00	7:47:15.7	8:54:32	600	90	2.0	#166 Hyper Vel	4	
0185.COMP	10	10:22	7:47:15.7	8:54:32	600	90	2.0	#166 Hyper Vel	4	
0186.bcand235	1200	10:23	8:31:32.7	13:22:43	600	90	2.0	#166 Hyper Vel	4	
0187.COMP	10	10:44	8:31:32.7	13:22:43	600	90	2.0	#166 Hyper Vel	4	
0188.bcand236	900	10:45	8:49:01.7	15:18:34	600	90	2.0	#166 Hyper Vel	4	
0189.COMP	10	11:01	8:49:01.7	15:18:34	600	90	2.0	#166 Hyper Vel	4	
0190.bcand237	960	11:01	9:11:24.0	16:54:11	600	90	2.0	#166 Hyper Vel	4	

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0191.COMP	10	11:18	9:11:24.0	16:54:11	600	90	2.0	#166 Hyper Vel	4	
0192.bcand238	1800	11:19	9:26:24.4	16:24:18	600	90	2.0	#166 Hyper Vel	4	
0193.COMP	10	11:50	9:26:24.4	16:24:18	600	90	2.0	#166 Hyper Vel	4	
0194.bcand238	660	11:51	10:44:47.0	27:08:43	600	90	2.0	#166 Hyper Vel	4	some thin clouds moving in
0195.COMP	10	12:02	10:44:47.0	27:08:43	600	90	2.0	#166 Hyper Vel	4	
0196.Feige34	90	12:03	10:39:36.8	43:06:10	600	90	2.0	#166 Hyper Vel	4	
0197.COMP	10	12:05	10:39:36.8	43:06:10	600	90	2.0	#166 Hyper Vel	4	
0198.test	5	12:09	9:11:47.0	31:51:01	300	90	3.0	#166 Hyper Vel	2	
0199.test	5	12:11	9:11:47.0	31:51:01	300	90	3.0	#166 Hyper Vel	2	
0200.test	5	12:12	9:11:47.0	31:51:01	300	90	3.0	#166 Hyper Vel	2	
0201.N3227	150	12:14	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	300-line, 3-sec, combo
0202.N3227	150	12:16	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0203.COMP	10	12:19	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0204.J1021	360	12:20	10:21:46.4	23:49:26	300	90	3.0	#149 Black Hol	2	
0205.COMP	10	12:27	10:21:46.4	23:49:26	300	90	3.0	#149 Black Hol	2	
0206.Feige34	120	12:28	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0207.Feige34	120	12:31	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0208.COMP	10	12:33	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0209.N3379	120	12:35	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	2	
0210.COMP	10	12:37	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	2	

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0211.snM61	900	12:39	12:21:55.3	+04:29:16	300	90	3.0	#2 SN Observat	2	
0212.COMP	10	12:54	12:21:55.3	+04:29:16	300	90	3.0	#2 SN Observat	2	
0213.HD84937	5	12:56	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0214.HD84937	15	12:56	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0215.HD84937	15	12:57	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0216.COMP	10	12:57	09:48:54.8	13:45:13	300	90	3.0	#56 Spectropho	2	
0217-0226.BIAS	0	13:00	09:48:54.8	13:45:13	300	90	3.0	#166 Hyper Vel	2	
0227-0236.FLAT	25	13:06	09:48:54.8	13:45:13	300	90	3.0	#166 Hyper Vel	2	
0237-0241.DARK	900	14:16	09:48:54.8	13:45:13	300	90	3.0	#166 Hyper Vel	4	
0242-0246.DARK	900	15:33	09:48:54.8	13:45:13	300	90	3.0	#166 Hyper Vel	2	

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0001-0010.BIAS	0	0:53	09:48:54.8	13:45:13	300	90	3.0	#166 Hyper Vel	2	
0011.FLAT	25	0:54	09:48:54.8	13:45:13	300	90	3.0	#166 Hyper Vel	2	lots of clouds
0012-0025.FLAT	25	1:02	09:48:54.8	13:45:13	300	90	3.0	#166 Hyper Vel	2	
0026.BDp174708	60	1:26	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0027.BDp174708	60	1:27	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0028.BDp174708	60	1:28	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0029.COMP	10	1:30	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0030.BDp284211	150	1:31	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0031.BDp284211	150	1:34	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0032.COMP	10	1:36	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0033.N7331	180	1:37	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0034.COMP	10	1:41	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0035.Akn564	243	1:42	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0036.Akn564	240	1:46	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0037.COMP	10	1:51	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0038.N7469	180	1:52	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0039.N7469	180	1:55	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0040.COMP	10	1:59	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0041.MRK335	180	2:01	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0042.MRK335	180	2:04	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	

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0043.COMP	10	2:08	00:06:19.6	+20:12:11	300	90	3.0	#141 Mapping t	2	
0044.00011570+3658099	360	2:09	00:01:15.7	+36:58:09	300	90	3.0	#141 Mapping t	2	
0045.COMP	10	2:15	00:01:15.7	+36:58:09	300	90	3.0	#141 Mapping t	2	
0046.00012334+4733537	360	2:16	00:01:23.3	+47:33:53	300	90	3.0	#141 Mapping t	2	
0047.COMP	10	2:22	00:01:23.3	+47:33:53	300	90	3.0	#141 Mapping t	2	
0048.00014060+5152412	900	2:23	00:01:40.6	+51:52:41	300	90	3.0	#141 Mapping t	2	
0049.COMP	10	2:39	00:01:40.6	+51:52:41	300	90	3.0	#141 Mapping t	2	
0050.00015230+4020109	900	2:40	00:01:52.3	+40:20:10	300	90	3.0	#141 Mapping t	2	
0051.COMP	10	2:55	00:01:52.3	+40:20:10	300	90	3.0	#141 Mapping t	2	
0052.00024370+2725454	330	2:56	00:02:43.7	+27:25:45	300	90	3.0	#141 Mapping t	2	
0053.COMP	10	3:02	00:02:43.7	+27:25:45	300	90	3.0	#141 Mapping t	2	
0054.00042247+5140299	1200	3:07	00:04:22.4	+51:40:29	300	90	3.0	#141 Mapping t	2	
0055.COMP	10	3:28	00:04:22.4	+51:40:29	300	90	3.0	#141 Mapping t	2	
0056.00100554+4804360	300	3:28	00:10:05.5	+48:04:36	300	90	3.0	#141 Mapping t	2	
0057.COMP	10	3:34	00:10:05.5	+48:04:36	300	90	3.0	#141 Mapping t	2	
0058.00161973+2335217	300	3:35	00:16:19.7	+23:35:21	300	90	3.0	#141 Mapping t	2	
0059.COMP	10	3:40	00:16:19.7	+23:35:21	300	90	3.0	#141 Mapping t	2	
0060.00103270+2916574	600	3:41	00:10:32.7	+29:16:57	300	90	3.0	#141 Mapping t	2	
0061.COMP	10	3:52	00:10:32.7	+29:16:57	300	90	3.0	#141 Mapping t	2	
0062.00145916+1111330	300	3:52	00:14:59.1	+11:11:33	300	90	3.0	#141 Mapping t	2	

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0063.COMP	10	3:58	00:14:59.1	+11:11:33	300	90	3.0	#141 Mapping t	2	
0064.00051164+0406465	300	3:59	00:05:11.6	+04:06:46	300	90	3.0	#141 Mapping t	2	
0065.COMP	10	4:04	00:05:11.6	+04:06:46	300	90	3.0	#141 Mapping t	2	
0066.00024956+0424345	300	4:05	00:02:49.5	+04:24:34	300	90	3.0	#141 Mapping t	2	
0067.COMP	10	4:10	00:02:49.5	+04:24:34	300	90	3.0	#141 Mapping t	2	
0068.00164632+0112373	300	4:11	00:16:46.3	+01:12:37	300	90	3.0	#141 Mapping t	2	
0069.COMP	10	4:16	00:16:46.3	+01:12:37	300	90	3.0	#141 Mapping t	2	
0070.00040698+0806338	360	4:17	00:04:06.9	+08:06:33	300	90	3.0	#141 Mapping t	2	
0071.COMP	10	4:24	00:04:06.9	+08:06:33	300	90	3.0	#141 Mapping t	2	
0072.00065141+0821045	360	4:28	00:06:51.4	+08:21:04	300	0	3.0	#141 Mapping t	2	
0073.COMP	10	4:35	00:06:51.4	+08:21:04	300	0	3.0	#141 Mapping t	2	
0074.00074110+0814053	300	4:35	00:07:41.1	+08:14:05	300	0	3.0	#141 Mapping t	2	more clouds
0075.COMP	10	4:41	00:07:41.1	+08:14:05	300	0	3.0	#141 Mapping t	2	
0076.hxPer135	660	4:49	2:21:28.4	57:19:10	300	0	3.0	#170 h & chi P	2	
0077.COMP	10	5:01	2:21:28.4	57:19:10	300	0	3.0	#170 h & chi P	2	
0078.IPHAS_B27	720	5:22	02:13:26.0	62:20:43	300	90	3.0	#157 IPHAS	2	
0079.COMP	10	5:35	02:13:26.0	62:20:43	300	90	3.0	#157 IPHAS	2	
0080.IPHAS_B28	360	5:36	02:13:31.6	56:19:0	300	90	3.0	#157 IPHAS	2	
0081.COMP	10	5:42	02:13:31.6	56:19:0	300	90	3.0	#157 IPHAS	2	
0082.IPHAS_B29	900	5:44	02:13:52.0	64:25:20	300	90	3.0	#157 IPHAS	2	

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0083.COMP	10	5:59	02:13:52.0	64:25:20	300	90	3.0	#157 IPHAS	2	
0084.IPHAS_B31	900	6:00	02:20:9.7	64:36:5	300	90	3.0	#157 IPHAS	2	
0085.COMP	10	6:16	02:20:9.7	64:36:5	300	90	3.0	#157 IPHAS	2	
0086.IPHAS_B42	300	6:17	02:39:52.3	57:43:54	300	90	3.0	#157 IPHAS	2	
0087.COMP	10	6:22	02:39:52.3	57:43:54	300	90	3.0	#157 IPHAS	2	
0088.IPHAS_B43	420	6:34	02:40:52.8	57:44:0	300	90	3.0	#157 IPHAS	2	stopped by clouds
0089.COMP	10	6:42	02:40:52.8	57:44:0	300	90	3.0	#157 IPHAS	2	
0090.IPHAS_B44	420	6:43	02:41:32.6	55:02:35	300	90	3.0	#157 IPHAS	2	
0091.COMP	10	6:51	02:41:32.6	55:02:35	300	90	3.0	#157 IPHAS	2	
0092.IPHAS_B45	480	6:52	02:41:46.7	60:25:32	300	90	3.0	#157 IPHAS	2	
0093.COMP	10	7:00	02:41:46.7	60:25:32	300	90	3.0	#157 IPHAS	2	
0094.IPHAS_B46	180	7:01	02:42:21.5	59:37:16	300	90	3.0	#157 IPHAS	2	
0095.COMP	10	7:10	02:42:21.5	59:37:16	300	90	3.0	#157 IPHAS	2	restart software
0096.IPHAS_B47	720	7:24	02:43:5.6	63:16:14	300	90	3.0	#157 IPHAS	2	
0097.COMP	10	7:36	02:43:5.6	63:16:14	300	90	3.0	#157 IPHAS	2	
0098.IPHAS_B48	600	7:37	02:43:32.0	63:21:50	300	90	3.0	#157 IPHAS	2	
0099.COMP	10	7:48	02:43:32.0	63:21:50	300	90	3.0	#157 IPHAS	2	
0100.IPHAS_B49	720	7:48	02:44:5.3	62:14:48	300	90	3.0	#157 IPHAS	2	
0101.COMP	10	8:01	02:44:5.3	62:14:48	300	90	3.0	#157 IPHAS	2	
0102.IPHAS_B50	900	8:02	02:45:4.8	61:25:2	300	90	3.0	#157 IPHAS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0103.COMP	10	8:17	02:45:4.8	61:25:2	300	90	3.0	#157 IPHAS	2	
0104.IPHAS_B51	244	8:18	02:45:5.6	64:51:28	300	90	3.0	#157 IPHAS	2	
0105.COMP	10	8:23	02:45:5.6	64:51:28	300	90	3.0	#157 IPHAS	2	
0106.IPHAS_B52	900	8:24	02:45:9.5	61:25:23	300	90	3.0	#157 IPHAS	2	
0107.COMP	10	8:39	02:45:9.5	61:25:23	300	90	3.0	#157 IPHAS	2	
0108.IPHAS_B78	240	8:40	02:59:59.4	58:29:29	300	90	3.0	#157 IPHAS	2	
0109.COMP	10	8:45	02:59:59.4	58:29:29	300	90	3.0	#157 IPHAS	2	
0110.cirsfastb048	720	8:47	07:50:10.4	27:37:32	300	90	3.0	#172 SDSS Clus	2	
0111.COMP	10	8:59	07:50:10.4	27:37:32	300	90	3.0	#172 SDSS Clus	2	
0112.cirsfastb049	641	9:00	07:50:20.2	27:50:34	300	90	3.0	#172 SDSS Clus	2	
0113.COMP	10	9:11	07:50:20.2	27:50:34	300	90	3.0	#172 SDSS Clus	2	chase after swift grb, stopped by clouds
0114.J1021	768	11:55	10:21:46.4	23:49:26	300	90	3.0	#149 Black Hol	2	
0115.COMP	10	12:09	10:21:46.4	23:49:26	300	90	3.0	#149 Black Hol	2	
0116.sn2006ou	1166	12:18	11:37:13.1	+15:26:07	300	90	3.0	#2 SN Observat	2	stopped by clouds
0117.COMP	10	12:38	11:37:13.1	+15:26:07	300	90	3.0	#2 SN Observat	2	
0118-0127.BIAS	0	12:43	11:37:13.1	+15:26:07	300	90	3.0	#57 Velocity S	2	
0128-0137.FLAT	25	12:48	11:37:13.1	+15:26:07	300	90	3.0	#57 Velocity S	2	
0138-0147.DARK	900	15:16	11:37:13.1	+15:26:07	300	90	3.0	#57 Velocity S	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>
0001.DARK	900	21:39	11:37:13.1	+15:26:07	300	90	3.0	#57 Velocity S	4	
0002-0003.DARK	900	1:09	21:51:53.9	+31:27:46	300	90	3.0	#57 Velocity S	4	
0004-0013.BIAS	0	1:25	21:51:53.9	+31:27:46	300	90	3.0	#57 Velocity S	4	
0014-0023.FLAT	12	1:30	21:51:53.9	+31:27:46	300	90	3.0	#57 Velocity S	4	
0024-0033.BIAS	0	1:34	21:51:53.9	+31:27:46	300	90	3.0	#57 Velocity S	2	
0034-0053.FLAT	25	1:48	21:51:53.9	+31:27:46	300	90	3.0	#57 Velocity S	2	
0054.BDp284211	60	1:54	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	4	
0055.BDp284211	60	1:55	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	4	
0056.COMP	5	1:57	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	4	
0057.BDp284211	60	1:57	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	2	
0058.BDp284211	60	1:58	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	2	
0059.COMP	12	2:01	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	2	
0060.BDp174708	40	2:04	22:11:31.4	18:05:33	300	38	3.0	#56 Spectropho	2	
0061.BDp174708	40	2:04	22:11:31.4	18:05:33	300	38	3.0	#56 Spectropho	2	
0062.BDp174708	40	2:05	22:11:31.4	18:05:33	300	38	3.0	#56 Spectropho	2	
0063.COMP	12	2:07	22:11:31.4	18:05:33	300	38	3.0	#56 Spectropho	2	
0064.sn2006oa	1800	2:15	21:23:42.9	-00:50:36	300	35	3.0	#2 SN Observat	2	
0065.COMP	12	2:48	21:23:42.9	-00:50:36	300	35	3.0	#2 SN Observat	2	
0066.Akn564	180	2:52	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0067.Akn564	180	2:55	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.COMP	12	2:58	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0069.IPHAS_B53	360	3:02	02:45:40.6	59:21:51	300	100	3.0	#157 IPHAS	2	
0070.COMP	12	3:08	02:45:40.6	59:21:51	300	100	3.0	#157 IPHAS	2	
0071.IPHAS_B54	900	3:10	02:46:18.1	61:35:14	300	90	3.0	#157 IPHAS	2	
0072.COMP	12	3:25	02:46:18.1	61:35:14	300	90	3.0	#157 IPHAS	2	
0073.IPHAS_B55	600	3:28	02:47:53.0	61:34:5	300	90	3.0	#157 IPHAS	2	row=80
0074.COMP	12	3:39	02:47:53.0	61:34:5	300	90	3.0	#157 IPHAS	2	
0075.IPHAS_B56	720	3:41	02:47:58.7	63:01:56	300	95	3.0	#157 IPHAS	2	
0076.COMP	12	3:53	02:47:58.7	63:01:56	300	95	3.0	#157 IPHAS	2	
0077.IPHAS_B57	420	3:55	02:48:23.6	61:41:7	300	90	3.0	#157 IPHAS	2	
0078.COMP	12	4:03	02:48:23.6	61:41:7	300	90	3.0	#157 IPHAS	2	
0079.IPHAS_B58	900	4:05	02:48:38.0	63:01:53	300	90	3.0	#157 IPHAS	2	
0080.COMP	12	4:20	02:48:38.0	63:01:53	300	90	3.0	#157 IPHAS	2	
0081.fmfa187	780	4:23	03:38:47.1	15:32:53	300	80	3.0	#171 Local Uni	2	AGN!
0082.COMP	12	4:37	03:38:47.1	15:32:53	300	80	3.0	#171 Local Uni	2	
0083.fmfa188	1200	4:38	03:38:47.6	15:19:23	300	90	3.0	#171 Local Uni	2	
0084.COMP	12	4:59	03:38:47.6	15:19:23	300	90	3.0	#171 Local Uni	2	
0085.fmfa189	1080	5:02	03:38:49.8	9:49:30	300	90	3.0	#171 Local Uni	2	
0086.COMP	12	5:22	03:38:49.8	9:49:30	300	90	3.0	#171 Local Uni	2	
0087.fmfa190	1500	5:26	03:38:50.1	9:59:17	300	90	3.0	#171 Local Uni	2	row=75

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.COMP	12	5:51	03:38:50.1	9:59:17	300	90	3.0	#171 Local Uni	2	
0089.fmfa191	1020	5:57	03:38:50.6	9:51:29	300	90	3.0	#171 Local Uni	4	
0090.COMP	5	6:15	03:38:50.6	9:51:29	300	90	3.0	#171 Local Uni	4	
0093.sn2006ot	1800	6:59	02:15:04.8	-20:45:58	300	0	3.0	#2 SN Observat	2	PA=0
0094.COMP	12	7:30	02:15:04.8	-20:45:58	300	0	3.0	#2 SN Observat	2	
0095.fmfa192	1080	7:36	03:38:52.6	15:38:48	300	90	3.0	#171 Local Uni	2	
0096.COMP	12	7:55	03:38:52.6	15:38:48	300	90	3.0	#171 Local Uni	2	
0097.fmfa193	780	7:56	03:38:52.8	9:57:04	300	90	3.0	#171 Local Uni	2	
0098.COMP	12	8:09	03:38:52.8	9:57:04	300	90	3.0	#171 Local Uni	2	
0099.fmfa194	1320	8:11	03:38:54.5	10:18:18	300	90	3.0	#171 Local Uni	2	
0100.COMP	12	8:33	03:38:54.5	10:18:18	300	90	3.0	#171 Local Uni	2	
0101.fmfa195	1500	8:37	03:38:55.3	9:41:59	300	71	3.0	#171 Local Uni	2	Fog on summit
0102.COMP	12	9:03	03:38:55.3	9:41:59	300	71	3.0	#171 Local Uni	2	
0103.fmfa196	600	9:04	03:38:57.6	15:20:15	300	90	3.0	#171 Local Uni	2	exposure too short - get again...
0104.COMP	12	9:15	03:38:57.6	15:20:15	300	90	3.0	#171 Local Uni	2	
0105.fmfa196	1020	9:16	03:38:57.6	15:20:15	300	90	3.0	#171 Local Uni	2	
0106.COMP	12	9:33	03:38:57.6	15:20:15	300	90	3.0	#171 Local Uni	2	
0107.fmfa277	1020	9:36	04:15:01.2	1:47:23	300	90	3.0	#171 Local Uni	2	
0108.COMP	12	9:54	04:15:01.2	1:47:23	300	90	3.0	#171 Local Uni	2	close for humidity...
0109-0118.BIAS	0	11:33	04:15:08.1	1:34:10	300	90	3.0	#2 SN Observat	4	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0119-0128.FLAT	12	11:38	04:15:08.1	1:34:10	300	90	3.0	#2 SN Observat	4	
0129-0138.BIAS	0	11:40	04:15:08.1	1:34:10	300	90	3.0	#2 SN Observat	2	
0139-0158.FLAT	25	11:54	04:15:08.1	1:34:10	300	90	3.0	#2 SN Observat	2	
0159-0168.DARK	900	14:19	04:15:08.1	1:34:10	300	90	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>Bin</i>	<i>Comments</i>
0001.DARK	900	23:50	04:15:08.1	1:34:10	300	90	3.0	#2 SN Observat	4	binby4
0002-0005.DARK	900	0:52	04:15:08.1	1:34:10	300	90	3.0	#2 SN Observat	4	
0006-0015.BIAS	0	1:08	04:15:08.1	1:34:10	300	90	3.0	#2 SN Observat	4	
0016-0025.FLAT	12	1:15	04:15:08.1	1:34:10	300	90	3.0	#2 SN Observat	4	
0026-0035.BIAS	0	1:17	04:15:08.1	1:34:10	300	90	3.0	#2 SN Observat	2	
0036.FLAT	25	1:18	04:15:08.1	1:34:10	300	90	3.0	#2 SN Observat	2	clouds...
0037-0055.FLAT	25	1:29	04:15:08.1	1:34:10	300	90	3.0	#2 SN Observat	2	
0056.BDp284211	60	1:52	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	2	
0057.BDp284211	60	1:53	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	2	
0058.COMP	12	1:54	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	2	
0059.BDp174708	40	1:56	22:11:31.4	18:05:33	300	36	3.0	#56 Spectropho	2	
0060.BDp174708	40	1:57	22:11:31.4	18:05:33	300	36	3.0	#56 Spectropho	2	
0061.BDp174708	40	1:58	22:11:31.4	18:05:33	300	36	3.0	#56 Spectropho	2	
0062.COMP	12	1:59	22:11:31.4	18:05:33	300	36	3.0	#56 Spectropho	2	close for fog
0063.DARK	900	5:15	00:43:35.3	+55:07:57	300	90	3.0	#141 Mapping t	4	binby4
0064-0067.DARK	900	6:16	00:43:35.3	+55:07:57	300	90	3.0	#141 Mapping t	4	
0068.DARK	900	7:52	00:43:35.3	+55:07:57	300	90	3.0	#141 Mapping t	2	binby2
0069-0073.DARK	900	9:09	00:43:35.3	+55:07:57	300	90	3.0	#141 Mapping t	2	
0074.sn2006jc	1500	9:47	09:17:20.7	+41:54:32	300	88	3.0	#2 SN Observat	2	row2=82
0075.COMP	12	10:13	09:17:20.7	+41:54:32	300	88	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>Bin</i>	<i>Comments</i>
0076.COMP	48	10:26	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	600L, 1.5arcsec, tilt=494
0077.J1021	600	10:29	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0078.J1021	600	10:39	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0079.J1021	600	10:49	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0080.COMP	48	11:00	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0081.J1021	600	11:01	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0082.J1021	600	11:11	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0083.J1021	600	11:22	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0084.COMP	48	11:32	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0085.J1021	600	11:33	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0086.J1021	600	11:44	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0087.J1021	600	11:54	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0088.COMP	48	12:04	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0089.J1021	600	12:06	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0090.J1021	600	12:16	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0091.J1021	600	12:26	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0092.COMP	48	12:36	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0093.J1021	600	12:38	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0094.J1021	600	12:48	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0095.J1021	600	12:58	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	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>
0096.COMP	48	13:09	10:21:46.4	23:49:26	600	90	1.0	#149 Black Hol	2	
0097.Feige34	120	13:10	10:39:36.8	43:06:10	600	90	1.0	#56 Spectropho	2	
0098.COMP	48	13:13	10:39:36.8	43:06:10	600	90	1.0	#56 Spectropho	2	
0099-0108.FLAT	48	13:24	10:39:36.8	43:06:10	600	90	1.0	#56 Spectropho	2	
0109.COMP	5	13:29	10:39:36.8	43:06:10	600	90	1.0	#56 Spectropho	4	test, 300L, 3arcsec, tilt=600
0110.COMP	5	13:32	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0111.COMP	5	13:33	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0112-0131.FLAT	25	13:47	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0132-0141.BIAS	0	13:51	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0142-0151.DARK	900	16:09	10:39:36.8	43:06:10	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>
0001-0007.DARK	900	0:51	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0008-0017.BIAS	0	1:11	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0018-0027.FLAT	12	1:17	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	4	
0028-0037.BIAS	0	1:19	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0038-0057.FLAT	25	1:33	10:39:36.8	43:06:10	300	90	3.0	#56 Spectropho	2	
0058.BDp284211	60	1:47	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	2	
0059.BDp284211	60	1:48	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	2	
0060.COMP	12	1:52	21:51:11.1	28:51:53	300	74	3.0	#56 Spectropho	2	
0061.BDp174708	45	1:57	22:11:31.4	18:05:33	300	38	3.0	#56 Spectropho	2	
0062.BDp174708	45	1:58	22:11:31.4	18:05:33	300	38	3.0	#56 Spectropho	2	
0063.BDp174708	45	1:59	22:11:31.4	18:05:33	300	38	3.0	#56 Spectropho	2	
0064.COMP	12	2:01	22:11:31.4	18:05:33	300	38	3.0	#56 Spectropho	2	
0065.DARK	900	3:16	21:23:42.9	-00:50:36	300	35	3.0	#2 SN Observat	4	binby4
0066-0067.DARK	900	3:47	21:23:42.9	-00:50:36	300	35	3.0	#2 SN Observat	4	
0068-0077.DARK	900	12:09	21:23:42.9	-00:50:36	300	90	3.0	#2 SN Observat	2	