

UT Date 2006-09-02 Observers P BerlindColl. 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>
0001.BIAS	0	1:26	16:44:43.2	+31:30:28	300	90	3.0	#166	2	
0002.COMP	10	1:28	16:44:43.2	+31:30:28	300	90	3.0	#166	2	
0003-0005.BIAS	0	1:50	16:44:43.2	+31:30:28	300	90	3.0	#166	2	
0006-0015.BIAS	0	1:51	16:44:43.2	+31:30:28	300	90	3.0	#166	4	
0016.FLAT	12	1:52	16:44:43.2	+31:30:28	300	90	3.0	#166	4	start of FAST run
0017-0025.FLAT	12	1:55	16:44:43.2	+31:30:28	300	90	3.0	#166	4	
0026-0035.BIAS	0	1:57	16:44:43.2	+31:30:28	300	90	3.0	#166	2	
0036-0050.FLAT	25	2:06	16:44:43.2	+31:30:28	300	90	3.0	#166	2	
0051.BIAS	0	2:11	16:44:43.2	+31:30:28	300	90	3.0	#166	2	
0054.TCrB	5	2:19	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0055.TCrB	20	2:21	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0056.TCrB	20	2:22	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0057.TCrB	50	2:22	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0058.COMP	10	2:23	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0059.AGDra	5	2:25	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0060.AGDra	2	2:25	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0061.AGDra	1	2:26	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0062.AGDra	10	2:26	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0063.COMP	10	2:27	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0065.YYHer	60	2:29	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	

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0066.YYHer	10	2:31	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0067.YYHer	120	2:32	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0068.COMP	10	2:35	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0069.V443Her	5	2:36	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0070.V443Her	20	2:36	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0071.V443Her	30	2:38	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0072.COMP	10	2:39	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0073.BFCyg	1	2:40	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0074.BFCyg	5	2:41	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0075.BFCyg	5	2:41	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0076.BFCyg	30	2:42	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0077.BFCyg	30	2:42	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0078.COMP	10	2:43	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0079.CHCyg	2	2:45	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0080.CHCyg	5	2:46	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0081.CHCyg	15	2:46	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0082.COMP	10	2:47	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0083.CICyg	5	2:48	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0084.CICyg	2	2:49	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0085.CICyg	30	2:49	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	

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0086.CICyg	30	2:50	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0087.COMP	10	2:51	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0088.RSOph	30	2:53	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0089.RSOph	10	2:54	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0090.RSOph	180	2:54	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0091.COMP	10	2:58	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0092.IPHAS_B559	90	2:59	18:51:6.3	10:24:10	300	90	3.0	#157 IPHAS	2	this is the brighter star to NW
0093.IPHAS_B559	960	3:01	18:51:6.3	10:24:10	300	90	3.0	#157 IPHAS	2	target is faint star at row 80
0094.COMP	10	3:18	18:51:6.3	10:24:10	300	90	3.0	#157 IPHAS	2	
0095.IPHAS_B560	600	3:20	18:51:41.5	9:54:52	300	90	3.0	#157 IPHAS	2	PN at row 80
0096.COMP	10	3:30	18:51:41.5	9:54:52	300	90	3.0	#157 IPHAS	2	
0097.IPHAS_B561	660	3:31	18:52:33.8	2:15:20	300	90	3.0	#157 IPHAS	2	
0098.COMP	10	3:43	18:52:33.8	2:15:20	300	90	3.0	#157 IPHAS	2	
0099.IPHAS_B562	720	3:44	18:52:34.9	-2:43:58	300	90	3.0	#157 IPHAS	2	
0100.COMP	10	3:57	18:52:34.9	-2:43:58	300	90	3.0	#157 IPHAS	2	
0101.IPHAS_B563	240	3:58	18:52:37.9	0:1:58	300	90	3.0	#157 IPHAS	2	
0102.COMP	10	4:02	18:52:37.9	0:1:58	300	90	3.0	#157 IPHAS	2	
0103.IPHAS_B565	1200	4:04	18:52:26.6	-1:25:1	300	90	3.0	#157 IPHAS	2	ok
0104.COMP	10	4:29	18:52:26.6	-1:25:1	300	90	3.0	#157 IPHAS	2	
0105.BDp404032	120	4:30	20:08:24.1	41:15:04	300	90	3.0	#56 Spectropho	2	

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0106.BDp404032	120	4:32	20:08:24.1	41:15:04	300	90	3.0	#56 Spectropho	2	
0107.COMP	10	4:35	20:08:24.1	41:15:04	300	90	3.0	#56 Spectropho	2	stopped by clouds
0109.N7331	150	5:45	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0110.COMP	10	5:48	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0111.sn2006eq	1800	5:53	21:28:37.1	+01:13:41	300	0	3.0	#2 SN Observat	2	
0112.COMP	10	6:24	21:28:37.1	+01:13:41	300	0	3.0	#2 SN Observat	2	
0113.BDp284211	90	6:27	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0114.BDp284211	90	6:29	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0115.COMP	10	6:31	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0116.BDp174708	45	6:32	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0117.BDp174708	45	6:33	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0118.BDp174708	45	6:34	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0119.COMP	10	6:35	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0120.PUVu1	2	6:36	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0121.PUVu1	5	6:37	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0122.PUVu1	30	6:37	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0123.PUVu1	180	6:38	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0124.COMP	10	6:41	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0125.sn2006e1	1800	6:43	22:47:38.5	+39:52:27	300	90	3.0	#2 SN Observat	2	
0126.COMP	10	7:14	22:47:38.5	+39:52:27	300	90	3.0	#2 SN Observat	2	

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0127.21011595+3801331	1080	7:15	21:01:15.9	+38:01:33	300	90	3.0	#141 Mapping t	2	good em
0128.COMP	10	7:34	21:01:15.9	+38:01:33	300	90	3.0	#141 Mapping t	2	
0129.21194060+3731269	900	7:36	21:19:40.6	+37:31:26	300	90	3.0	#141 Mapping t	2	em
0130.COMP	10	7:51	21:19:40.6	+37:31:26	300	90	3.0	#141 Mapping t	2	
0131.21220541+4000343	900	7:53	21:22:05.4	+40:00:34	300	110	3.0	#141 Mapping t	2	em
0132.COMP	10	8:09	21:22:05.4	+40:00:34	300	110	3.0	#141 Mapping t	2	
0133.21265002+3812046	600	8:10	21:26:50.0	+38:12:04	300	90	3.0	#141 Mapping t	2	
0134.COMP	10	8:21	21:26:50.0	+38:12:04	300	90	3.0	#141 Mapping t	2	
0135.Akn564	180	8:22	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0136.Akn564	180	8:25	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0137.COMP	10	8:29	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0138.N7469	120	8:30	23:03:15.7	+08:52:27	300	25	3.0	#6 AGN Monitor	2	
0139.N7469	120	8:32	23:03:15.7	+08:52:27	300	25	3.0	#6 AGN Monitor	2	
0140.COMP	10	8:35	23:03:15.7	+08:52:27	300	25	3.0	#6 AGN Monitor	2	
0141.RAqr	1	8:36	23:43:49	-15:17:05	300	0	3.0	#12 Symbiotic	2	
0142.RAqr	5	8:37	23:43:49	-15:17:05	300	0	3.0	#12 Symbiotic	2	
0143.RAqr	5	8:37	23:43:49	-15:17:05	300	0	3.0	#12 Symbiotic	2	
0144.RAqr	10	8:37	23:43:49	-15:17:05	300	0	3.0	#12 Symbiotic	2	
0145.COMP	10	8:38	23:43:49	-15:17:05	300	0	3.0	#12 Symbiotic	2	
0146.sn2006ep	1800	8:42	00:41:24.8	+25:29:46	300	0	3.0	#2 SN Observat	2	

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0147.COMP	10	9:13	00:41:24.8	+25:29:46	300	0	3.0	#2 SN Observat	2	
0148.MRK335	150	9:15	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0149.MRK335	150	9:18	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0150.COMP	10	9:21	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0151.ZAnd	1	9:22	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0152.ZAnd	5	9:22	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0153.ZAnd	5	9:23	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0154.COMP	10	9:24	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0155.EGAnd	1	9:25	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0156.EGAnd	3	9:25	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0157.EGAnd	3	9:26	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0158.EGAnd	6	9:26	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0159.COMP	10	9:27	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0160.AXPer	2	9:28	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0161.AXPer	10	9:28	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0162.AXPer	90	9:29	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0163.COMP	10	9:31	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0164.sn2006em	1500	9:33	02:25:44.3	+41:56:31	300	90	3.0	#2 SN Observat	2	
0165.COMP	10	9:58	02:25:44.3	+41:56:31	300	90	3.0	#2 SN Observat	2	
0166.01021735-1940087	900	10:01	01:02:17.3	-19:40:08	300	83	3.0	#141 Mapping t	2	primary target at row 80, other gals in slit to E and W

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0167.COMP	10	10:17	01:02:17.3	-19:40:08	300	83	3.0	#141 Mapping t	2	please extract all 3 galaxies
0168.00055690-1359448	480	10:18	00:05:56.9	-13:59:44	300	83	3.0	#141 Mapping t	2	
0169.COMP	10	10:27	00:05:56.9	-13:59:44	300	83	3.0	#141 Mapping t	2	
0170.01381889-2107210	420	10:28	01:38:18.8	-21:07:21	300	83	3.0	#141 Mapping t	2	
0171.COMP	10	10:35	01:38:18.8	-21:07:21	300	83	3.0	#141 Mapping t	2	
0172.02004477-2021131	360	10:37	02:00:44.7	-20:21:13	300	83	3.0	#141 Mapping t	2	
0173.COMP	10	10:43	02:00:44.7	-20:21:13	300	83	3.0	#141 Mapping t	2	
0174.02012535-2323308	300	10:44	02:01:25.3	-23:23:30	300	83	3.0	#141 Mapping t	2	
0175.COMP	10	10:49	02:01:25.3	-23:23:30	300	83	3.0	#141 Mapping t	2	
0176.03024141-1151595	240	10:50	03:02:41.4	-11:51:59	300	83	3.0	#141 Mapping t	2	
0177.COMP	10	10:55	03:02:41.4	-11:51:59	300	83	3.0	#141 Mapping t	2	
0178.cirsfastb322	1200	10:57	23:33:33.2	15:33:08	300	90	3.0	#172 SDSS Clus	2	
0179.COMP	10	11:17	23:33:33.2	15:33:08	300	90	3.0	#172 SDSS Clus	2	
0180.cirsfastb323	600	11:18	23:34:13.5	14:46:15	300	90	3.0	#172 SDSS Clus	2	
0181.COMP	10	11:28	23:34:13.5	14:46:15	300	90	3.0	#172 SDSS Clus	2	
0182.158m213	300	11:31	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	2	
0183.COMP	10	11:36	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	2	
0184.02451020+4844177	660	11:37	02:45:10.2	+48:44:17	300	90	3.0	#141 Mapping t	2	
0185.COMP	10	11:49	02:45:10.2	+48:44:17	300	90	3.0	#141 Mapping t	2	
0186.02472574+4856090	936	11:50	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	good em, ok file

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0187.02472574+4856090	0	11:50	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	junk file
0188.02472574+4856090	0	11:50	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	junk file
0189.02472574+4856090	0	11:50	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	junk file
0190.COMP	10	12:06	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0191-0201.BIAS	0	12:11	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0202.FLAT	25	12:12	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	hmmm, counts are high
0203-0211.FLAT	25	12:17	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0212-0221.BIAS	0	12:20	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0222.FLAT	25	12:20	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	repeat
0223-0236.FLAT	25	12:29	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0237-0247.DARK	900	15:13	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	



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0001-0010.BIAS	0	0:37	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0011.FLAT	25	0:38	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	manual mode, 20252 mean
0012-0020.FLAT	25	0:43	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0021-0030.BIAS	0	0:46	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0031.FLAT	25	0:46	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	script, 18600 mean
0032-0040.FLAT	25	0:52	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0041-0050.BIAS	0	0:54	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0051.FLAT	25	0:55	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	manual mode, 17758 mean
0052-0060.FLAT	25	1:00	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0061-0070.BIAS	0	1:03	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0071.FLAT	25	1:03	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	script, 17385 mean
0072-0080.FLAT	25	1:08	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0081-0090.BIAS	0	1:19	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0091.FLAT	25	1:20	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	manual mode, 18093 mean
0092-0100.FLAT	25	1:26	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0101.DARK	900	1:27	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	Nathalie, all of these flats and bias frames are good
0102.DARK	900	1:42	02:47:25.7	+48:56:09	300	90	3.0	#141 Mapping t	2	
0103-0107.sky	4	2:00	17:25:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0108.COMP	10	2:00	17:25:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0109.cirsfastf111	240	2:35	16:19:44.0	38:14:03	300	45	3.0	#172 SDSS Clus	2	star

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0110.COMP	10	2:39	16:19:44.0	38:14:03	300	45	3.0	#172 SDSS Clus	2	
0111.cirsfastf112	360	2:40	16:31:03.7	39:47:36	300	45	3.0	#172 SDSS Clus	2	weak but has features..., ignore faint fuzz to west.
0112.COMP	10	2:47	16:31:03.7	39:47:36	300	45	3.0	#172 SDSS Clus	2	
0113.cirsfastf114	600	2:48	16:36:49.6	38:50:59	300	45	3.0	#172 SDSS Clus	2	star
0114.COMP	10	2:59	16:36:49.6	38:50:59	300	45	3.0	#172 SDSS Clus	2	
0115.19000443+4054228	607	3:01	19:00:04.4	+40:54:22	300	90	3.0	#141 Mapping t	2	
0116.COMP	10	3:11	19:00:04.4	+40:54:22	300	90	3.0	#141 Mapping t	2	
0117.19215480+3558451	650	3:14	19:21:54.8	+35:58:45	300	90	3.0	#141 Mapping t	2	em, stopped short by clouds
0118.COMP	10	3:25	19:21:54.8	+35:58:45	300	90	3.0	#141 Mapping t	2	
0119.19390790+3916443	720	3:26	19:39:07.9	+39:16:44	300	90	3.0	#141 Mapping t	2	
0120.COMP	10	3:39	19:39:07.9	+39:16:44	300	90	3.0	#141 Mapping t	2	
0121.19431455+4008494	480	3:41	19:43:14.5	+40:08:49	300	90	3.0	#141 Mapping t	2	redo
0122.COMP	10	3:49	19:43:14.5	+40:08:49	300	90	3.0	#141 Mapping t	2	
0123.19431455+4008494	720	3:50	19:43:14.5	+40:08:49	300	90	3.0	#141 Mapping t	2	ok now it is done, repeat from file 121
0124.COMP	10	4:03	19:43:14.5	+40:08:49	300	90	3.0	#141 Mapping t	2	
0125.19414541+7709325	720	4:09	19:41:45.4	+77:09:32	300	90	3.0	#141 Mapping t	2	
0126.COMP	10	4:21	19:41:45.4	+77:09:32	300	90	3.0	#141 Mapping t	2	
0127.3C390.3	480	4:24	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0128.3C390.3	480	4:32	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0129.COMP	10	4:40	18:42:09.0	79:46:17	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
0130.HD192281	6	4:42	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0131.HD192281	6	4:42	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0132.HD192281	6	4:42	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0133.COMP	10	4:43	20:12:33.1	40:16:05	300	90	3.0	#56 Spectropho	2	
0134.19441850+3730155	409	4:44	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	stopped by clouds, but decent features and 500 counts
0135.COMP	10	4:52	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0136.BIAS	0	5:04	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	res 222k ohms, ion pump on
0137-0140.BIAS	0	5:05	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0141-0143.DARK	360	5:18	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0144.BIAS	0	5:26	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	res 225k, ion pump off
0145-0148.BIAS	0	5:27	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0149-0151.DARK	360	5:40	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0152.BIAS	0	5:50	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	4	res 226k, ion pump on
0153-0156.BIAS	0	5:51	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	4	
0157-0159.DARK	180	5:58	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	4	
0160.BIAS	0	6:03	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	4	res 226k ion pump off
0161-0164.BIAS	0	6:03	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	4	
0165-0167.DARK	180	6:10	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	4	
0168.BIAS	0	6:27	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0169-0173.DARK	900	7:28	19:44:18.5	+37:30:15	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
0001-0010.BIAS	0	0:08	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0011-0030.FLAT	25	0:19	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0031.BIAS	0	1:00	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	ion on, res = 219k, before sunset
0032-0035.BIAS	0	1:00	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0036-0038.DARK	900	1:32	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0039.BIAS	0	1:49	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	ion off, res = 229k, during sunset
0040-0043.BIAS	0	1:49	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0044-0046.DARK	900	2:20	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0047.BIAS	0	2:43	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	ion on, res = 247k
0048-0051.BIAS	0	2:43	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0052-0054.DARK	900	3:14	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0055.BIAS	0	3:31	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	ion off, res 249k, lights in hallway off
0056-0059.BIAS	0	3:32	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0060-0062.DARK	900	4:03	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0063.BIAS	0	4:25	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	ion on, res 244k
0064-0067.BIAS	0	4:25	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0068-0070.DARK	900	4:56	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0071.BIAS	0	5:31	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	ion off, res 239k
0072-0075.BIAS	0	5:32	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0076-0078.DARK	900	6:03	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	

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0079.BIAS	0	6:19	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	ion on, res 237k
0080-0083.BIAS	0	6:20	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0084-0086.DARK	900	6:59	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0087.BIAS	0	7:16	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	ion off, res 238k
0088-0091.BIAS	0	7:16	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0092-0094.DARK	900	7:49	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0095.BIAS	0	8:05	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	ion on, res 239k
0096-0099.BIAS	0	8:06	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	
0100.DARK	900	8:08	19:44:18.5	+37:30:15	300	90	3.0	#141 Mapping t	2	end of FAST run
0101-0102.DARK	900	8:38	19:44:18.5	+37:30:15	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
0001-0010.BIAS	0	2:33	16:48:34.4	+31:30:26	300	90	3.0	#141 Mapping t	4	
0011.FLAT	8	2:34	16:48:34.4	+31:30:26	300	90	3.0	#141 Mapping t	4	Oops! Too short!
0012-0020.FLAT	8	2:37	16:48:34.4	+31:30:26	300	90	3.0	#141 Mapping t	4	
0021-0030.FLAT	12	2:41	16:48:34.4	+31:30:26	300	90	3.0	#141 Mapping t	4	
0031-0040.BIAS	0	2:43	16:48:34.4	+31:30:26	300	90	3.0	#141 Mapping t	2	
0041-0060.FLAT	25	2:56	16:48:34.4	+31:30:26	300	90	3.0	#141 Mapping t	2	
0061.BDp284211	90	3:04	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0062.COMP	12	3:06	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0063.BDp284211	90	3:09	21:51:11.1	28:51:53	300	105	3.0	#56 Spectropho	2	
0064.COMP	12	3:11	21:51:11.1	28:51:53	300	105	3.0	#56 Spectropho	2	
0065.BDp284211	90	3:13	21:51:11.1	28:51:53	300	105	3.0	#56 Spectropho	4	
0066.COMP	5	3:14	21:51:11.1	28:51:53	300	105	3.0	#56 Spectropho	4	
0067.3C390.3	300	3:25	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	4	
0068.3C390.3	300	3:30	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	4	
0069.3C390.3	300	3:35	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	4	
0070.COMP	5	3:41	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	4	
0071.sn2006eu	1500	3:44	20:02:51.1	49:19:2	300	3	3.0	#2 SN Observat	2	row=83
0072.COMP	12	4:10	20:02:51.1	49:19:2	300	3	3.0	#2 SN Observat	2	
0073.DracoC1	1200	4:14	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0074.COMP	12	4:35	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	

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0075.RS0ph	10	4:37	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0076.RS0ph	60	4:38	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0077.RS0ph	150	4:39	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0078.COMP	12	4:42	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0079.YYHer	10	4:44	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0080.YYHer	60	4:44	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0081.COMP	12	4:46	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0082.V443Her	5	4:47	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0083.V443Her	45	4:47	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0084.V443Her	90	4:49	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0085.COMP	12	4:51	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0086.BFCyg	1	4:52	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0087.BFCyg	60	4:53	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0088.COMP	12	4:54	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0089.CHCyg	1	4:56	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0090.CHCyg	5	4:56	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0091.CHCyg	30	4:57	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0092.COMP	12	4:58	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0093.CICyg	2	5:00	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0094.CICyg	20	5:00	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	

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0095.CICyg	60	5:01	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0096.COMP	12	5:02	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0097.PUVu1	1	5:04	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0098.PUVu1	10	5:04	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0099.PUVu1	60	5:04	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0100.COMP	12	5:06	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0101.ZAnd	1	5:09	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0102.ZAnd	5	5:09	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0103.ZAnd	30	5:09	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0104.COMP	12	5:10	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0105.sn2006ev	1200	5:15	21:30:59.2	13:59:21	300	-1	3.0	#2 SN Observat	2	
0106.COMP	12	5:36	21:30:59.2	13:59:21	300	-1	3.0	#2 SN Observat	2	
0107.sn2006e1	1800	5:40	22:47:38.5	+39:52:27	300	56	3.0	#2 SN Observat	2	
0108.COMP	12	6:11	22:47:38.5	+39:52:27	300	56	3.0	#2 SN Observat	2	
0109.fmfa501	300	6:14	21:11:52.6	2:19:44	300	90	3.0	#171 Local Uni	4	
0110.COMP	5	6:20	21:11:52.6	2:19:44	300	90	3.0	#171 Local Uni	4	
0111.fmfa502	420	6:21	21:11:59.5	2:44:48	300	90	3.0	#171 Local Uni	4	
0112.COMP	5	6:29	21:11:59.5	2:44:48	300	90	3.0	#171 Local Uni	4	
0113.fmfa503	1020	6:30	21:12:19.6	2:30:52	300	90	3.0	#171 Local Uni	4	
0114.COMP	5	6:48	21:12:19.6	2:30:52	300	90	3.0	#171 Local Uni	4	



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0115.fmfa504	960	6:50	21:12:22.9	2:42:10	300	90	3.0	#171 Local Uni	4	
0116.COMP	5	7:07	21:12:22.9	2:42:10	300	90	3.0	#171 Local Uni	4	
0117.fmfa505	1200	7:08	21:12:24.8	2:56:59	300	90	3.0	#171 Local Uni	4	
0118.COMP	5	7:29	21:12:24.8	2:56:59	300	90	3.0	#171 Local Uni	4	
0119.fmfa506	1320	7:31	21:12:31.2	2:25:14	300	80	3.0	#171 Local Uni	4	
0120.COMP	5	7:54	21:12:31.2	2:25:14	300	80	3.0	#171 Local Uni	4	
0121.fmfa507	1200	7:56	21:12:52.7	2:20:04	300	50	3.0	#171 Local Uni	4	
0122.COMP	5	8:16	21:12:52.7	2:20:04	300	50	3.0	#171 Local Uni	4	
0123.fmfa001	300	8:19	00:00:07.0	8:16:44	300	90	3.0	#171 Local Uni	4	
0124.COMP	5	8:24	00:00:07.0	8:16:44	300	90	3.0	#171 Local Uni	4	
0125.fmfa002	270	8:25	00:00:08.9	8:17:33	300	90	3.0	#171 Local Uni	4	
0126.COMP	5	8:30	00:00:08.9	8:17:33	300	90	3.0	#171 Local Uni	4	
0127.fmfa003	360	8:31	00:00:14.3	8:10:34	300	90	3.0	#171 Local Uni	4	
0128.COMP	5	8:38	00:00:14.3	8:10:34	300	90	3.0	#171 Local Uni	4	
0129.fmfa004	300	8:38	00:00:25.0	7:51:13	300	90	3.0	#171 Local Uni	4	
0130.COMP	5	8:44	00:00:25.0	7:51:13	300	90	3.0	#171 Local Uni	4	
0131.fmfa005	300	8:45	00:00:27.1	8:13:12	300	80	3.0	#171 Local Uni	4	
0132.COMP	5	8:50	00:00:27.1	8:13:12	300	80	3.0	#171 Local Uni	4	
0133.fmfa006	420	8:52	00:00:41.1	8:27:56	300	95	3.0	#171 Local Uni	4	
0134.COMP	5	8:59	00:00:41.1	8:27:56	300	95	3.0	#171 Local Uni	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0135.fmfa007	360	9:00	00:00:44.9	8:09:29	300	90	3.0	#171 Local Uni	4	
0136.COMP	5	9:07	00:00:44.9	8:09:29	300	90	3.0	#171 Local Uni	4	
0137.RAqr	0	9:08	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	4	
0138.RAqr	1	9:09	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	4	
0139.RAqr	5	9:09	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	4	
0140.RAqr	10	9:09	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	4	
0141.COMP	5	9:10	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	4	
0142.EGAnd	1	9:12	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	4	
0143.EGAnd	5	9:13	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	4	
0144.EGAnd	10	9:13	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	4	
0145.COMP	5	9:14	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	4	
0146.AXPer	4	9:16	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	4	
0147.AXPer	30	9:16	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	4	
0148.AXPer	90	9:17	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	4	
0149.COMP	5	9:20	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	4	
0150.bcand968	840	9:34	23:01:55.1	14:36:00	600	90	2.0	#166 Hyper Vel	4	600L, tilt=437, 2arcsec
0151.COMP	10	9:49	23:01:55.1	14:36:00	600	90	2.0	#166 Hyper Vel	4	
0152.bcand969	1680	9:52	23:58:51.3	15:35:41	600	90	2.0	#166 Hyper Vel	4	
0153.COMP	10	10:21	23:58:51.3	15:35:41	600	90	2.0	#166 Hyper Vel	4	
0154.bcand970	960	10:23	0:50:42.0	14:25:37	600	90	2.0	#166 Hyper Vel	4	seeing starting to sour...

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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>
0155.COMP	10	10:39	0:50:42.0	14:25:37	600	90	2.0	#166 Hyper Vel	4	
0156.bcand971	900	10:41	1:04:32.2	15:41:50	600	90	2.0	#166 Hyper Vel	4	
0157.COMP	10	10:57	1:04:32.2	15:41:50	600	90	2.0	#166 Hyper Vel	4	
0158.bcand972	1500	10:58	1:38:44.4	14:31:13	600	90	2.0	#166 Hyper Vel	4	
0159.COMP	10	11:24	1:38:44.4	14:31:13	600	90	2.0	#166 Hyper Vel	4	
0160.bcand973	1500	11:26	0:23:09.0	-0:33:42	600	80	2.0	#166 Hyper Vel	4	
0161.COMP	10	11:51	0:23:09.0	-0:33:42	600	80	2.0	#166 Hyper Vel	4	
0162.Hiltner600	90	11:55	06:45:13.4	02:08:14	600	90	2.0	#56 Spectropho	4	
0163.COMP	10	11:56	06:45:13.4	02:08:14	600	90	2.0	#56 Spectropho	4	
0164-0173.FLAT	45	12:06	06:45:13.4	02:08:14	600	90	2.0	#56 Spectropho	4	
0174.COMP	5	12:09	06:45:13.4	02:08:14	600	90	2.0	#56 Spectropho	4	test
0175.G191B2B	120	12:13	05:05:30.5	52:49:56	300	90	3.0	#56 Spectropho	2	
0176.COMP	12	12:15	05:05:30.5	52:49:56	300	90	3.0	#56 Spectropho	2	
0177.G191B2B	120	12:17	05:05:30.5	52:49:56	300	20	3.0	#56 Spectropho	2	
0178.COMP	12	12:19	05:05:30.5	52:49:56	300	20	3.0	#56 Spectropho	2	
0179.Hiltner600	90	12:22	06:45:13.4	02:08:14	300	-30	3.0	#56 Spectropho	2	
0180.COMP	12	12:24	06:45:13.4	02:08:14	300	-30	3.0	#56 Spectropho	2	
0181-0190.BIAS	0	12:29	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0191-0200.FLAT	12	12:34	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0201-0210.BIAS	0	12:40	06:45:13.4	02:08:14	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>
0211-0230.FLAT	25	12:57	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0231-0239.DARK	900	15:01	06:45:13.4	02:08:14	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>
0001-0010.DARK	900	1:36	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0011-0020.BIAS	0	2:10	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0021-0030.FLAT	12	2:14	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0031-0040.BIAS	0	2:16	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0041-0060.FLAT	25	2:28	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0061.BDp284211	70	2:34	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0062.BDp284211	70	2:36	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0063.COMP	5	2:39	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0064.BDp284211	90	2:40	21:51:11.1	28:51:53	300	105	3.0	#56 Spectropho	2	bad
0065.COMP	12	2:42	21:51:11.1	28:51:53	300	105	3.0	#56 Spectropho	2	
0066.BDp284211	70	2:43	21:51:11.1	28:51:53	300	105	3.0	#56 Spectropho	2	
0067.COMP	12	2:45	21:51:11.1	28:51:53	300	105	3.0	#56 Spectropho	2	
0068.BDp174708	45	2:47	22:11:31.4	18:05:33	300	110	3.0	#56 Spectropho	2	
0069.BDp174708	45	2:48	22:11:31.4	18:05:33	300	110	3.0	#56 Spectropho	2	
0070.COMP	12	2:49	22:11:31.4	18:05:33	300	110	3.0	#56 Spectropho	2	
0071.MRK509	180	2:52	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0072.MRK509	180	2:55	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0073.COMP	12	2:59	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0074.sn2006e1	1800	3:03	22:47:38.5	+39:52:27	300	95	3.0	#2 SN Observat	2	
0075.COMP	12	3:34	22:47:38.5	+39:52:27	300	95	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.fmfa427	480	3:37	16:01:27.8	17:54:05	300	90	3.0	#171 Local Uni	2	
0077.COMP	12	3:46	16:01:27.8	17:54:05	300	90	3.0	#171 Local Uni	2	
0078.fmfa428	840	3:48	16:03:34.2	16:57:25	300	90	3.0	#171 Local Uni	2	
0079.COMP	12	4:02	16:03:34.2	16:57:25	300	90	3.0	#171 Local Uni	2	
0080.fmfa443	900	4:04	17:00:03.1	28:25:40	300	90	3.0	#171 Local Uni	2	
0081.COMP	12	4:20	17:00:03.1	28:25:40	300	90	3.0	#171 Local Uni	2	
0082.fmfa444	600	4:21	17:00:28.7	28:01:33	300	90	3.0	#171 Local Uni	2	
0083.COMP	12	4:31	17:00:28.7	28:01:33	300	90	3.0	#171 Local Uni	2	
0084.fmfa445	300	4:33	17:00:35.1	27:46:36	300	70	3.0	#171 Local Uni	2	
0085.COMP	12	4:39	17:00:35.1	27:46:36	300	70	3.0	#171 Local Uni	2	
0086.fmfa446	1200	4:41	17:00:43.0	27:52:50	300	110	3.0	#171 Local Uni	2	
0087.COMP	12	5:01	17:00:43.0	27:52:50	300	110	3.0	#171 Local Uni	2	
0088.sn2006e1	1800	5:05	22:47:38.5	+39:52:27	300	71	3.0	#2 SN Observat	2	
0089.COMP	12	5:36	22:47:38.5	+39:52:27	300	71	3.0	#2 SN Observat	2	
0090.CygX2	1200	5:42	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	600L, 2arcsec, tilt=431
0091.COMP	15	6:03	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0092.BDp284211	90	6:05	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0093.COMP	15	6:07	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0094-0103.FLAT	50	6:18	21:51:11.0	28:51:50	600	90	2.0	#2 SN Observat	2	
0104.bcand962	900	6:23	22:28:20.7	13:11:25	600	90	2.0	#166 Hyper Vel	4	

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0105.COMP	10	6:38	22:28:20.7	13:11:25	600	90	2.0	#166 Hyper Vel	4	
0106.bcand963	1380	6:40	22:30:08.2	13:27:34	600	90	2.0	#166 Hyper Vel	4	
0107.COMP	10	7:03	22:30:08.2	13:27:34	600	90	2.0	#166 Hyper Vel	4	
0108.bcand964	840	7:05	22:33:14.9	12:19:34	600	90	2.0	#166 Hyper Vel	4	
0109.COMP	10	7:19	22:33:14.9	12:19:34	600	90	2.0	#166 Hyper Vel	4	
0110.bcand965	960	7:20	22:39:06.1	12:30:34	600	90	2.0	#166 Hyper Vel	4	
0111.COMP	10	7:37	22:39:06.1	12:30:34	600	90	2.0	#166 Hyper Vel	4	
0112.bcand966	1020	7:39	22:42:31.1	12:50:04	600	90	2.0	#166 Hyper Vel	4	
0113.COMP	10	7:57	22:42:31.1	12:50:04	600	90	2.0	#166 Hyper Vel	4	
0114.bcand967	1800	7:58	22:42:46.7	14:54:17	600	90	2.0	#166 Hyper Vel	4	
0115.COMP	10	8:29	22:42:46.7	14:54:17	600	90	2.0	#166 Hyper Vel	4	
0116.bcand974	1080	8:30	0:43:50.5	-9:52:27	600	90	2.0	#166 Hyper Vel	4	
0117.COMP	10	8:49	0:43:50.5	-9:52:27	600	90	2.0	#166 Hyper Vel	4	
0118.PG0205p134	420	8:52	02:08:03.3	13:36:23	600	90	2.0	#56 Spectropho	4	
0119.COMP	10	8:59	02:08:03.3	13:36:23	600	90	2.0	#56 Spectropho	4	
0120.Feige24	300	9:01	02:35:07.3	03:43:55	600	90	2.0	#56 Spectropho	4	
0121.COMP	10	9:07	02:35:07.3	03:43:55	600	90	2.0	#56 Spectropho	4	
0122.BDp284211	60	9:09	21:51:11.1	28:51:53	600	90	2.0	#56 Spectropho	4	
0123.COMP	10	9:10	21:51:11.1	28:51:53	600	90	2.0	#56 Spectropho	4	
0124-0133.FLAT	45	9:20	21:51:11.1	28:51:53	600	90	2.0	#56 Spectropho	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>
0134.COMP	5	9:25	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	4	test
0135.COMP	5	9:26	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	4	
0136.COMP	5	9:27	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	4	
0137.Akn564	180	9:31	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0138.Akn564	180	9:34	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0139.COMP	12	9:38	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0140.N7469	120	9:40	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0141.N7469	120	9:42	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0142.COMP	12	9:45	23:03:15.7	+08:52:27	300	100	3.0	#6 AGN Monitor	2	
0143.MRK335	150	9:47	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0144.MRK335	150	9:49	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0145.COMP	12	9:53	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0146.IPHAS_B291	900	9:56	4:40:10.1	47:50:38	300	90	3.0	#157 IPHAS	2	
0147.COMP	12	10:13	4:40:10.1	47:50:38	300	90	3.0	#157 IPHAS	2	
0148.IPHAS_B253	600	10:15	4:40:41.0	41:21:32	300	70	3.0	#157 IPHAS	2	
0149.COMP	12	10:26	4:40:41.0	41:21:32	300	70	3.0	#157 IPHAS	2	
0150.IPHAS_B322	900	10:28	4:40:57.6	39:52:23	300	90	3.0	#157 IPHAS	2	
0151.COMP	12	10:44	4:40:57.6	39:52:23	300	90	3.0	#157 IPHAS	2	
0152.IPHAS_B232	420	10:45	4:41:37.0	46:33:30	300	90	3.0	#157 IPHAS	2	
0153.COMP	12	10:53	4:41:37.0	46:33:30	300	90	3.0	#157 IPHAS	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>
0154.IPHAS_B223	300	10:54	4:41:54.5	42:30:21	300	90	3.0	#157 IPHAS	2	
0155.COMP	12	11:00	4:41:54.5	42:30:21	300	90	3.0	#157 IPHAS	2	
0156.IPHAS_B229	420	11:03	4:41:56.9	43:4:50	300	90	3.0	#157 IPHAS	2	
0157.COMP	12	11:11	4:41:56.9	43:4:50	300	90	3.0	#157 IPHAS	2	
0158.IPHAS_B238	600	11:12	4:41:59.1	41:57:52	300	90	3.0	#157 IPHAS	2	
0159.COMP	12	11:23	4:41:59.1	41:57:52	300	90	3.0	#157 IPHAS	2	
0160.IPHAS_B265	720	11:24	4:42:57.1	41:50:11	300	90	3.0	#157 IPHAS	2	
0161.COMP	12	11:37	4:42:57.1	41:50:11	300	90	3.0	#157 IPHAS	2	
0162.IPHAS_B214	300	11:40	4:50:57.6	38:19:50	300	90	3.0	#157 IPHAS	2	
0163.COMP	12	11:46	4:50:57.6	38:19:50	300	90	3.0	#157 IPHAS	2	
0164.IPHAS_B273	900	11:48	4:53:42.4	39:11:9	300	71	3.0	#157 IPHAS	2	
0165.COMP	12	12:03	4:53:42.4	39:11:9	300	71	3.0	#157 IPHAS	2	
0166.Akn120	300	12:06	05:13:38.0	-00:12:15	300	80	3.0	#6 AGN Monitor	2	
0167.COMP	12	12:11	05:13:38.0	-00:12:15	300	80	3.0	#6 AGN Monitor	2	
0168.HD52071	5	12:14	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0169.COMP	12	12:14	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0170.Hiltner600	60	12:16	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0171.COMP	12	12:18	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0172-0181.BIAS	0	12:22	06:45:13.4	02:08:14	300	90	3.0	#57 Velocity S	4	
0182-0191.FLAT	12	12:28	06:45:13.4	02:08:14	300	90	3.0	#57 Velocity S	4	

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0192-0201.BIAS	0	12:31	06:45:13.4	02:08:14	300	90	3.0	#57 Velocity S	2	
0202-0221.FLAT	25	12:44	06:45:13.4	02:08:14	300	90	3.0	#57 Velocity S	2	
0222-0231.DARK	900	15:06	06:45:13.4	02:08:14	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>
0001-0010.DARK	900	1:44	06:45:13.4	02:08:14	300	90	3.0	#57 Velocity S	4	
0011-0020.FLAT	45	2:10	06:45:13.4	02:08:14	600	90	2.0	#57 Velocity S	4	
0021-0030.BIAS	0	2:16	06:45:13.4	02:08:14	600	90	2.0	#57 Velocity S	4	
0031.BDp284211	120	2:26	21:51:11.1	28:51:53	600	90	2.0	#166 Hyper Vel	4	
0032.COMP	10	2:28	21:51:11.1	28:51:53	600	90	2.0	#166 Hyper Vel	4	
0033.bcand321	1320	2:32	15:01:32.8	14:16:04	600	90	2.0	#166 Hyper Vel	4	
0034.COMP	10	2:54	15:01:32.8	14:16:04	600	90	2.0	#166 Hyper Vel	4	
0035.bcand322	1020	2:56	15:01:50.2	13:05:49	600	90	2.0	#166 Hyper Vel	4	
0036.COMP	10	3:13	15:01:50.2	13:05:49	600	90	2.0	#166 Hyper Vel	4	
0037.bcand914	1560	3:15	16:14:23.4	53:14:05	600	90	2.0	#166 Hyper Vel	4	
0038.COMP	10	3:42	16:14:23.4	53:14:05	600	90	2.0	#166 Hyper Vel	4	
0039.bcand343	1260	3:43	16:21:39.6	56:09:06	600	90	2.0	#166 Hyper Vel	4	
0040.COMP	10	4:05	16:21:39.6	56:09:06	600	90	2.0	#166 Hyper Vel	4	
0041.bcand917	1200	4:07	16:24:43.7	33:38:25	600	90	2.0	#166 Hyper Vel	4	
0042.COMP	10	4:29	16:24:43.7	33:38:25	600	90	2.0	#166 Hyper Vel	4	
0043.bcand932	1020	4:30	16:43:22.7	34:34:31	600	90	2.0	#166 Hyper Vel	4	
0044.COMP	10	4:48	16:43:22.7	34:34:31	600	90	2.0	#166 Hyper Vel	4	
0045.bcand934	660	4:49	16:47:10.8	42:23:54	600	90	2.0	#166 Hyper Vel	4	
0046.COMP	10	5:00	16:47:10.8	42:23:54	600	90	2.0	#166 Hyper Vel	4	
0047.bcand935	720	5:02	16:48:34.3	33:03:58	600	90	2.0	#166 Hyper Vel	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>
0048.COMP	10	5:14	16:48:34.3	33:03:58	600	90	2.0	#166 Hyper Vel	4	
0049.FLAT	50	5:18	16:48:34.3	33:03:58	600	90	2.0	#166 Hyper Vel	4	binby4
0050-0052.FLAT	50	5:21	16:48:34.3	33:03:58	600	90	2.0	#166 Hyper Vel	4	
0053.FLAT	50	5:22	16:48:34.3	33:03:58	600	90	2.0	#166 Hyper Vel	2	binby2
0054-0062.FLAT	50	5:32	16:48:34.3	33:03:58	600	90	2.0	#166 Hyper Vel	2	
0063.CygX2	1200	5:34	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0064.COMP	15	5:55	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0065.BDp284211	90	5:57	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0066.COMP	15	5:59	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0067.COMP	5	6:02	21:51:11.0	28:51:50	300	90	3.0	#174 Cyg X-2	4	test
0068.BDp284211	70	6:06	21:51:11.1	28:51:53	300	68	3.0	#56 Spectropho	2	
0069.COMP	12	6:08	21:51:11.1	28:51:53	300	68	3.0	#56 Spectropho	2	
0070.BDp174708	45	6:10	22:11:31.4	18:05:33	300	20	3.0	#56 Spectropho	2	
0071.COMP	12	6:12	22:11:31.4	18:05:33	300	20	3.0	#56 Spectropho	2	
0072.sn2006e1	1800	6:14	22:47:38.5	+39:52:27	300	15	3.0	#2 SN Observat	2	
0073.COMP	12	6:45	22:47:38.5	+39:52:27	300	15	3.0	#2 SN Observat	2	
0074.fmfa508	1200	6:47	21:12:56.5	2:15:20	300	90	3.0	#171 Local Uni	2	
0075.COMP	12	7:08	21:12:56.5	2:15:20	300	90	3.0	#171 Local Uni	2	
0076.fmfa509	1080	7:10	21:13:30.8	2:00:23	300	90	3.0	#171 Local Uni	2	
0077.COMP	12	7:28	21:13:30.8	2:00:23	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>
0078.fmfa510	780	7:30	21:13:36.1	3:00:14	300	90	3.0	#171 Local Uni	2	
0079.COMP	12	7:43	21:13:36.1	3:00:14	300	90	3.0	#171 Local Uni	2	
0080.sn2006ep	1500	7:46	00:41:24.8	+25:29:46	300	-30	3.0	#2 SN Observat	2	
0081.COMP	12	8:12	00:41:24.8	+25:29:46	300	-30	3.0	#2 SN Observat	2	
0082.sn2006et	1200	8:17	00:42:45.8	-23:33:30	300	15	3.0	#2 SN Observat	2	
0083.COMP	12	8:38	00:42:45.8	-23:33:30	300	15	3.0	#2 SN Observat	2	
0084.fmfa526	480	8:42	23:07:49.2	7:33:41	300	90	3.0	#171 Local Uni	2	
0085.COMP	12	8:51	23:07:49.2	7:33:41	300	90	3.0	#171 Local Uni	2	
0086.fmfa527	480	8:52	23:08:21.6	7:28:41	300	90	3.0	#171 Local Uni	2	
0087.COMP	12	9:01	23:08:21.6	7:28:41	300	90	3.0	#171 Local Uni	2	
0088.fmfa528	240	9:02	23:08:22.8	8:04:19	300	90	3.0	#171 Local Uni	2	
0089.COMP	12	9:07	23:08:22.8	8:04:19	300	90	3.0	#171 Local Uni	2	
0090.fmfa529	960	9:08	23:08:53.6	7:59:24	300	90	3.0	#171 Local Uni	2	
0091.COMP	12	9:24	23:08:53.6	7:59:24	300	90	3.0	#171 Local Uni	2	
0092.fmfa530	1320	9:27	23:09:05.1	7:08:32	300	110	3.0	#171 Local Uni	2	row=80
0093.COMP	12	9:49	23:09:05.1	7:08:32	300	110	3.0	#171 Local Uni	2	
0094.fmfa099	780	9:51	02:25:42.9	28:40:34	300	90	3.0	#171 Local Uni	2	
0095.COMP	12	10:05	02:25:42.9	28:40:34	300	90	3.0	#171 Local Uni	2	
0096.fmfa100	300	10:07	02:26:04.0	28:30:06	300	90	3.0	#171 Local Uni	2	
0097.COMP	12	10:12	02:26:04.0	28:30:06	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
0098.fmfa101	360	10:14	02:26:10.7	28:28:19	300	97	3.0	#171 Local Uni	2	
0099.COMP	12	10:20	02:26:10.7	28:28:19	300	97	3.0	#171 Local Uni	2	
0100.fmfa102	360	10:22	02:26:17.7	28:28:02	300	97	3.0	#171 Local Uni	2	row=86
0101.COMP	12	10:29	02:26:17.7	28:28:02	300	97	3.0	#171 Local Uni	2	
0102.fmfa103	420	10:30	02:26:26.0	28:24:01	300	97	3.0	#171 Local Uni	2	
0103.COMP	12	10:37	02:26:26.0	28:24:01	300	97	3.0	#171 Local Uni	2	
0104.fmfa104	360	10:38	02:26:27.0	27:31:22	300	97	3.0	#171 Local Uni	2	
0105.COMP	12	10:45	02:26:27.0	27:31:22	300	97	3.0	#171 Local Uni	2	
0106.GITau	240	10:48	4:33:34	24:21:18	300	90	3.0	#12 Symbiotic	2	
0107.COMP	12	10:53	4:33:34	24:21:18	300	90	3.0	#12 Symbiotic	2	
0108.GKTau	240	10:54	4:33:34.5	24:21:07	300	90	3.0	#12 Symbiotic	2	
0109.COMP	12	10:58	4:33:34.5	24:21:07	300	90	3.0	#12 Symbiotic	2	
0110.IPHAS_B242	600	11:00	4:55:1.6	36:26:2	300	90	3.0	#157 IPHAS	2	
0111.COMP	12	11:10	4:55:1.6	36:26:2	300	90	3.0	#157 IPHAS	2	
0112.IPHAS_B317	900	11:12	4:55:11.2	38:33:44	300	90	3.0	#157 IPHAS	2	
0113.COMP	12	11:28	4:55:11.2	38:33:44	300	90	3.0	#157 IPHAS	2	
0114.IPHAS_B250	600	11:29	4:55:52.9	37:0:5	300	90	3.0	#157 IPHAS	2	
0115.COMP	12	11:40	4:55:52.9	37:0:5	300	90	3.0	#157 IPHAS	2	
0116.BGGem	1200	11:42	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0117.COMP	12	12:02	6:03:31	27:41:50	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>
0118.BGGem	300	12:03	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0119.COMP	12	12:08	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0120.HD52071	3	12:10	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0121.HD52071	3	12:10	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0122.HD52071	3	12:11	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0123.COMP	12	12:11	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0124.NGC1700	120	12:13	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0125.COMP	12	12:15	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0126.Hiltner600	90	12:17	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0127.COMP	12	12:19	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0128-0147.BIAS	0	12:26	06:45:13.4	02:08:14	300	90	3.0	#12 Symbiotic	2	
0148-0187.FLAT	25	12:51	06:45:13.4	02:08:14	300	90	3.0	#12 Symbiotic	2	
0188-0197.DARK	900	15:13	06:45:13.4	02:08:14	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	1:31	17:55:19.5	+31:29:48	300	90	3.0	#12 Symbiotic	2	
0002.fastfoc	10	1:31	17:55:19.5	+31:29:48	300	90	3.0	#12 Symbiotic	2	focus 1320
0003.fastfoc	10	1:32	17:55:19.5	+31:29:48	300	90	3.0	#12 Symbiotic	2	
0004.fastfoc	10	1:32	17:55:19.5	+31:29:48	300	90	3.0	#12 Symbiotic	2	
0005.fastfoc	10	1:32	17:55:19.5	+31:29:48	300	90	3.0	#12 Symbiotic	2	
0006.fastfoc	10	1:33	17:55:19.5	+31:29:48	300	90	3.0	#12 Symbiotic	2	
0007.fastfoc	10	1:34	17:55:19.5	+31:29:48	300	90	3.0	#12 Symbiotic	2	
0008.comp	10	1:36	17:55:19.5	+31:29:48	300	90	3.0	#12 Symbiotic	2	
0009.BIAS	0	1:37	17:55:19.5	+31:29:48	300	90	3.0	#12 Symbiotic	2	binby2
0010-0020.BIAS	0	1:38	17:55:19.5	+31:29:48	300	90	3.0	#12 Symbiotic	2	
0021.BIAS	0	1:39	17:55:19.5	+31:29:48	300	90	3.0	#12 Symbiotic	4	binby4
0022-0030.BIAS	0	1:40	17:55:19.5	+31:29:48	300	90	3.0	#12 Symbiotic	4	
0031.COMP	5	1:43	17:55:19.5	+31:29:48	600	90	2.0	#12 Symbiotic	4	
0032-0041.FLAT	45	1:54	17:55:19.5	+31:29:48	600	90	2.0	#12 Symbiotic	4	
0042.COMP	5	1:56	17:55:19.5	+31:29:48	600	90	2.0	#12 Symbiotic	4	600-line, 2-sec, tilt 431 Warren
0043.COMP	5	1:57	17:55:19.5	+31:29:48	600	90	2.0	#12 Symbiotic	4	
0044.COMP	5	1:57	17:55:19.5	+31:29:48	600	90	2.0	#12 Symbiotic	4	
0045.FLAT	45	1:59	17:55:19.5	+31:29:48	600	90	2.0	#12 Symbiotic	4	best focus 1320
0046-0055.FLAT	45	2:08	17:55:19.5	+31:29:48	600	90	2.0	#12 Symbiotic	4	
0056.bcand337	540	2:16	15:46:42.6	12:49:31	600	90	2.0	#166 Hyper Vel	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>
0057.COMP	5	2:26	15:46:42.6	12:49:31	600	90	2.0	#166 Hyper Vel	4	
0058.bcand330	660	2:27	15:26:31.1	16:02:13	600	90	2.0	#166 Hyper Vel	4	
0059.COMP	5	2:38	15:26:31.1	16:02:13	600	90	2.0	#166 Hyper Vel	4	
0060.bcand323	720	2:39	15:06:25.9	14:20:51	600	90	2.0	#166 Hyper Vel	4	
0061.COMP	10	2:51	15:06:25.9	14:20:51	600	90	2.0	#166 Hyper Vel	4	
0062.bcand324	780	2:52	15:07:02.9	14:34:05	600	90	2.0	#166 Hyper Vel	4	
0063.COMP	10	3:06	15:07:02.9	14:34:05	600	90	2.0	#166 Hyper Vel	4	
0064.bcand334	660	3:07	15:43:29.3	17:12:38	600	90	2.0	#166 Hyper Vel	4	
0065.COMP	10	3:18	15:43:29.3	17:12:38	600	90	2.0	#166 Hyper Vel	4	
0066.bcand336	900	3:19	15:45:57.7	12:55:32	600	90	2.0	#166 Hyper Vel	4	
0067.COMP	10	3:34	15:45:57.7	12:55:32	600	90	2.0	#166 Hyper Vel	4	
0068.bcand341	840	3:36	15:56:53.7	60:24:16	600	90	2.0	#166 Hyper Vel	4	
0069.COMP	10	3:51	15:56:53.7	60:24:16	600	90	2.0	#166 Hyper Vel	4	
0070.bcand916	600	3:52	16:23:59.6	37:54:35	600	90	2.0	#166 Hyper Vel	4	
0071.COMP	10	4:03	16:23:59.6	37:54:35	600	90	2.0	#166 Hyper Vel	4	
0072.bcand345	1440	4:04	16:36:01.2	52:50:20	600	90	2.0	#166 Hyper Vel	4	
0073.COMP	10	4:28	16:36:01.2	52:50:20	600	90	2.0	#166 Hyper Vel	4	
0074.bcand929	840	4:30	16:42:59.2	36:23:36	600	90	2.0	#166 Hyper Vel	4	
0075.COMP	10	4:44	16:42:59.2	36:23:36	600	90	2.0	#166 Hyper Vel	4	
0076.BDp284211	60	4:46	21:51:11.1	28:51:53	600	90	2.0	#166 Hyper Vel	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>
0077.COMP	10	4:47	21:51:11.1	28:51:53	600	90	2.0	#166 Hyper Vel	4	
0078.test	15	4:49	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	600-line, 2-sec, tilt 480 Manuel
0079.test	15	4:50	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0080.test	15	4:52	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0081.test	15	4:54	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0083-0089.FLAT	60	5:04	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0090.BDp284211	60	5:06	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0091.COMP	15	5:08	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0092.CygX2	1200	5:09	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0093.COMP	15	5:29	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0094.test	10	5:33	22:20:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0095.test	10	5:34	22:20:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0096.test	10	5:35	22:20:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0097.test	10	5:36	22:20:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0098.test	10	5:37	22:20:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0099.BDp284211	90	5:38	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	300-line, 3-sec, combo
0100.BDp284211	90	5:40	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0101.COMP	10	5:42	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0102.BDp174708	30	5:43	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0103.BDp174708	30	5:44	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0104.BDp174708	30	5:45	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0105.COMP	10	5:46	22:11:31.4	18:05:33	300	90	3.0	#2 SN Observat	2	
0106.sn2006e1	1520	5:47	22:47:38.5	+39:52:27	300	90	3.0	#2 SN Observat	2	
0107.COMP	10	6:13	22:47:38.5	+39:52:27	300	90	3.0	#2 SN Observat	2	
0108.sn2006fp	1500	6:19	22:45:41.1	+73:09:47	300	-10	3.0	#2 SN Observat	2	hmm
0109.COMP	10	6:45	22:45:41.1	+73:09:47	300	-10	3.0	#2 SN Observat	2	
0110.fmfa519	420	6:48	22:12:02.1	14:21:58	300	90	3.0	#171 Local Uni	2	
0111.COMP	10	6:56	22:12:02.1	14:21:58	300	90	3.0	#171 Local Uni	2	
0112.fmfa520	600	6:57	22:14:53.5	14:27:32	300	90	3.0	#171 Local Uni	2	
0113.COMP	10	7:07	22:14:53.5	14:27:32	300	90	3.0	#171 Local Uni	2	
0114.fmfa521	270	7:08	22:15:52.2	14:49:59	300	90	3.0	#171 Local Uni	2	
0115.COMP	10	7:13	22:15:52.2	14:49:59	300	90	3.0	#171 Local Uni	2	
0116.fmfa522	420	7:13	22:17:00.5	14:44:03	300	90	3.0	#171 Local Uni	2	
0117.COMP	10	7:21	22:17:00.5	14:44:03	300	90	3.0	#171 Local Uni	2	
0118.fmfa523	240	7:21	22:17:06.9	13:21:53	300	90	3.0	#171 Local Uni	2	
0119.COMP	10	7:26	22:17:06.9	13:21:53	300	90	3.0	#171 Local Uni	2	
0120.fmfa524	540	7:26	22:17:53.7	14:30:14	300	90	3.0	#171 Local Uni	2	
0121.COMP	10	7:36	22:17:53.7	14:30:14	300	90	3.0	#171 Local Uni	2	
0122.fmfa525	360	7:37	22:17:54.0	14:34:23	300	90	3.0	#171 Local Uni	2	
0123.COMP	10	7:43	22:17:54.0	14:34:23	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>
0124.fmfa531	240	7:44	23:09:11.8	8:06:52	300	90	3.0	#171 Local Uni	2	
0125.COMP	10	7:49	23:09:11.8	8:06:52	300	90	3.0	#171 Local Uni	2	
0126.fmfa532	540	7:49	23:09:20.4	7:18:35	300	90	3.0	#171 Local Uni	2	
0127.COMP	10	7:59	23:09:20.4	7:18:35	300	90	3.0	#171 Local Uni	2	
0128.fmfa533	480	7:59	23:09:20.9	8:02:02	300	90	3.0	#171 Local Uni	2	
0129.COMP	10	8:08	23:09:20.9	8:02:02	300	90	3.0	#171 Local Uni	2	
0130.fmfa534	240	8:09	23:09:21.7	7:02:44	300	90	3.0	#171 Local Uni	2	
0131.COMP	10	8:13	23:09:21.7	7:02:44	300	90	3.0	#171 Local Uni	2	
0132.fmfa535	390	8:14	23:09:27.0	8:13:07	300	90	3.0	#171 Local Uni	2	
0133.COMP	10	8:21	23:09:27.0	8:13:07	300	90	3.0	#171 Local Uni	2	
0134.fmfa536	390	8:21	23:09:28.5	6:55:58	300	90	3.0	#171 Local Uni	2	
0135.COMP	10	8:28	23:09:28.5	6:55:58	300	90	3.0	#171 Local Uni	2	
0136.fmfa537	240	8:29	23:09:32.1	7:16:04	300	90	3.0	#171 Local Uni	2	
0137.COMP	10	8:33	23:09:32.1	7:16:04	300	90	3.0	#171 Local Uni	2	
0138.fmfa538	300	8:34	23:09:44.6	8:13:59	300	90	3.0	#171 Local Uni	2	
0139.COMP	10	8:39	23:09:44.6	8:13:59	300	90	3.0	#171 Local Uni	2	
0140.fmfa539	600	8:40	23:10:04.6	7:14:51	300	90	3.0	#171 Local Uni	2	
0141.COMP	10	8:50	23:10:04.6	7:14:51	300	90	3.0	#171 Local Uni	2	
0142.fmfa540	480	8:51	23:10:11.8	7:32:54	300	90	3.0	#171 Local Uni	2	
0143.COMP	10	8:59	23:10:11.8	7:32:54	300	90	3.0	#171 Local Uni	2	

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0144.fmfa541	420	9:00	23:10:18.4	7:34:17	300	90	3.0	#171 Local Uni	2	
0145.COMP	10	9:08	23:10:18.4	7:34:17	300	90	3.0	#171 Local Uni	2	
0146.fmfa543	420	9:08	23:10:31.8	7:34:22	300	90	3.0	#171 Local Uni	2	
0147.COMP	10	9:16	23:10:31.8	7:34:22	300	90	3.0	#171 Local Uni	2	
0148.fmfa542	600	9:16	23:10:20.6	7:05:16	300	90	3.0	#171 Local Uni	2	
0149.COMP	10	9:27	23:10:20.6	7:05:16	300	90	3.0	#171 Local Uni	2	
0150.fmfa544	360	9:27	23:10:34.1	8:02:20	300	90	3.0	#171 Local Uni	2	
0151.COMP	10	9:34	23:10:34.1	8:02:20	300	90	3.0	#171 Local Uni	2	
0152.225m280	240	9:35	00:41:45.1	+41:05:12	300	90	3.0	#57 Velocity S	2	
0153.COMP	10	9:39	00:41:45.1	+41:05:12	300	90	3.0	#57 Velocity S	2	
0155.S002.7832P14.6983	1200	9:43	00:11:07.9	+14:41:53	300	54	3.0	#129 CHAMP Sou	2	M star
0156.COMP	10	10:03	00:11:07.9	+14:41:53	300	54	3.0	#129 CHAMP Sou	2	
0157.S003.3051P00.0474	90	10:06	00:13:13.2	+00:02:50	300	90	3.0	#129 CHAMP Sou	2	
0158.COMP	10	10:08	00:13:13.2	+00:02:50	300	90	3.0	#171 Local Uni	2	
0159.fmfa018	720	10:09	01:00:15.3	32:37:10	300	90	3.0	#171 Local Uni	2	
0160.COMP	10	10:22	01:00:15.3	32:37:10	300	90	3.0	#171 Local Uni	2	
0161.fmfa019	540	10:22	01:01:10.1	32:28:20	300	90	3.0	#171 Local Uni	2	
0162.COMP	10	10:32	01:01:10.1	32:28:20	300	90	3.0	#171 Local Uni	2	
0163.fmfa020	330	10:33	01:01:48.1	31:29:33	300	90	3.0	#171 Local Uni	2	
0164.COMP	10	10:39	01:01:48.1	31:29:33	300	90	3.0	#171 Local Uni	2	

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0165.fmfa021	300	10:40	01:01:49.7	33:36:55	300	90	3.0	#171 Local Uni	2	
0166.COMP	10	10:45	01:01:49.7	33:36:55	300	90	3.0	#171 Local Uni	2	
0167.fmfa022	300	10:46	01:03:15.2	31:25:55	300	90	3.0	#171 Local Uni	2	
0168.COMP	10	10:51	01:03:15.2	31:25:55	300	90	3.0	#171 Local Uni	2	
0169.fmfa023	600	10:52	01:04:09.3	31:55:16	300	90	3.0	#171 Local Uni	2	
0170.COMP	10	11:02	01:04:09.3	31:55:16	300	90	3.0	#171 Local Uni	2	
0171.fmfa024	480	11:03	01:04:43.7	34:02:59	300	90	3.0	#171 Local Uni	2	
0172.COMP	10	11:11	01:04:43.7	34:02:59	300	90	3.0	#171 Local Uni	2	
0173.fmfa025	360	11:12	01:04:52.8	32:46:31	300	90	3.0	#171 Local Uni	2	
0174.COMP	10	11:18	01:04:52.8	32:46:31	300	90	3.0	#171 Local Uni	2	
0175.fmfa027	480	11:19	01:05:01.5	32:48:46	300	90	3.0	#171 Local Uni	2	
0176.COMP	10	11:28	01:05:01.5	32:48:46	300	90	3.0	#171 Local Uni	2	
0177.sn2006gc	1800	11:31	04:58:50.8	+06:58:28	300	-10	3.0	#2 SN Observat	2	
0178.COMP	10	12:02	04:58:50.8	+06:58:28	300	-10	3.0	#2 SN Observat	2	
0179.IPHAS_B249	420	12:04	4:56:25.5	40:24:9	300	90	3.0	#157 IPHAS	2	
0180.COMP	10	12:11	4:56:25.5	40:24:9	300	90	3.0	#157 IPHAS	2	
0181.IPHAS_B321	420	12:12	4:57:17.5	40:21:21	300	90	3.0	#157 IPHAS	2	
0182.COMP	10	12:20	4:57:17.5	40:21:21	300	90	3.0	#157 IPHAS	2	
0183.HD52071	5	12:21	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	clear skies all night
0184.HD52071	5	12:22	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	

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0185.HD52071	5	12:22	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0186.HD52071	5	12:22	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0187.HD52071	5	12:23	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0188.COMP	10	12:23	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0189-0198.BIAS	0	12:26	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	4	
0199-0208.BIAS	0	12:28	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	2	
0209-0223.FLAT	16	12:35	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	2	
0224-0228.DARK	900	13:46	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	4	
0229-0233.DARK	900	15:03	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	2	

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0001-0005.DARK	900	0:41	06:57:51	+27:13:42	300	90	3.0	#56 Spectropho	2	
0006.BIAS	0	1:17	06:57:51	+27:13:42	600	90	2.0	#56 Spectropho	2	binby2
0007-0020.BIAS	0	1:19	06:57:51	+27:13:42	600	90	2.0	#56 Spectropho	2	
0021.BIAS	0	1:21	06:57:51	+27:13:42	600	90	2.0	#56 Spectropho	4	binby4
0022-0030.BIAS	0	1:22	06:57:51	+27:13:42	600	90	2.0	#56 Spectropho	4	
0031.FLAT	45	1:23	06:57:51	+27:13:42	600	90	2.0	#56 Spectropho	4	600-line, 2-sec, new tilt 439, Warren
0032-0040.FLAT	45	1:31	06:57:51	+27:13:42	600	90	2.0	#56 Spectropho	4	
0041.bcand339	600	2:16	15:48:06.4	15:54:17	600	90	2.0	#166 Hyper Vel	4	
0042.COMP	10	2:27	15:48:06.4	15:54:17	600	90	2.0	#166 Hyper Vel	4	
0043.bcand340	660	2:28	15:50:48.0	14:16:11	600	90	2.0	#166 Hyper Vel	4	
0044.COMP	10	2:39	15:50:48.0	14:16:11	600	90	2.0	#166 Hyper Vel	4	
0045.bcand329	720	2:40	15:25:06.6	12:56:35	600	90	2.0	#166 Hyper Vel	4	
0046.COMP	10	2:52	15:25:06.6	12:56:35	600	90	2.0	#166 Hyper Vel	4	
0047.bcand327	840	2:53	15:16:55.8	11:55:00	600	90	2.0	#166 Hyper Vel	4	
0048.COMP	10	3:08	15:16:55.8	11:55:00	600	90	2.0	#166 Hyper Vel	4	
0049.bcand328	1200	3:09	15:20:57.2	14:41:01	600	90	2.0	#166 Hyper Vel	4	
0050.COMP	10	3:30	15:20:57.2	14:41:01	600	90	2.0	#166 Hyper Vel	4	
0051.bcand335	1500	3:32	15:45:36.2	16:04:16	600	90	2.0	#166 Hyper Vel	4	
0052.COMP	10	3:57	15:45:36.2	16:04:16	600	90	2.0	#166 Hyper Vel	4	
0053.bcand344	1380	4:00	16:32:31.6	54:29:39	600	90	2.0	#166 Hyper Vel	4	



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0054.COMP	10	4:23	16:32:31.6	54:29:39	600	90	2.0	#166 Hyper Vel	4	
0055.BDp284211	60	4:25	21:51:11.1	28:51:53	600	90	2.0	#166 Hyper Vel	4	
0056.COMP	10	4:27	21:51:11.1	28:51:53	600	90	2.0	#166 Hyper Vel	4	
0057.test	15	4:28	21:51:11.1	28:51:53	600	90	2.0	#166 Hyper Vel	2	600-line, 2-sec, tilt 480, Manuel
0059-0064.FLAT	60	4:35	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0065.BDp284211	60	4:37	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0066.COMP	15	4:38	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0067.CygX2	1200	4:40	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0068.COMP	15	5:01	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0069.test	10	5:04	21:45:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0070.test	10	5:05	21:45:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0071.test	10	5:06	21:45:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0072.test	10	5:07	21:45:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0073.fmfa491	300	5:09	18:08:58.9	50:18:04	300	90	3.0	#171 Local Uni	2	300-line, 3-sec, combo
0074.COMP	10	5:15	18:08:58.9	50:18:04	300	90	3.0	#171 Local Uni	2	
0075.fmfa492	300	5:15	18:09:05.3	50:25:43	300	90	3.0	#171 Local Uni	2	
0076.COMP	10	5:21	18:09:05.3	50:25:43	300	90	3.0	#171 Local Uni	2	
0077.fmfa493	240	5:22	18:09:41.8	49:56:48	300	90	3.0	#171 Local Uni	2	
0078.COMP	10	5:26	18:09:41.8	49:56:48	300	90	3.0	#171 Local Uni	2	
0079.fmfa495	480	5:27	18:10:08.2	50:14:44	300	90	3.0	#171 Local Uni	2	

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0080.COMP	10	5:36	18:10:08.2	50:14:44	300	90	3.0	#171 Local Uni	2	
0081.CHCyg	1	5:37	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0082.CHCyg	2	5:37	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0083.CHCyg	10	5:38	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0084.CHCyg	10	5:38	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0085.COMP	10	5:39	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0086.CICyg	2	5:40	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0087.CICyg	1	5:40	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0088.CICyg	10	5:40	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0089.CICyg	30	5:41	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0090.COMP	10	5:42	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0091.BFCyg	7	5:43	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0092.BFCyg	3	5:43	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0093.BFCyg	10	5:44	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0094.BFCyg	10	5:44	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0095.COMP	10	5:45	19:23:53	29:40:27	300	90	3.0	#56 Spectropho	2	
0096.BDp284211	90	5:46	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0097.BDp284211	90	5:48	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0098.COMP	10	5:50	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0099.BDp174708	30	5:51	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	

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0100.BDp174708	30	5:52	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0101.BDp174708	30	5:53	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0102.COMP	10	5:54	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0103.sn2006fp	305	5:58	22:45:41.1	+73:09:47	300	0	3.0	#2 SN Observat	2	ackkk clouds
0104.sn2006fp	1160	6:05	22:45:41.1	+73:09:47	300	0	3.0	#2 SN Observat	2	
0105.COMP	10	6:25	22:45:41.1	+73:09:47	300	0	3.0	#2 SN Observat	2	
0106.sn2006fp	345	6:27	22:45:41.1	+73:09:47	300	0	3.0	#2 SN Observat	2	ion pump off
0107.sn2006fp	1160	6:36	22:45:41.1	+73:09:47	300	0	3.0	#2 SN Observat	2	
0108.COMP	10	6:56	22:45:41.1	+73:09:47	300	0	3.0	#2 SN Observat	2	
0109.ZAnd	2	7:02	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	ion pump back on
0110.ZAnd	6	7:02	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0111.ZAnd	15	7:03	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0112.ZAnd	45	7:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0113.ZAnd	45	7:05	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0114.COMP	10	7:06	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0115.N7331	180	7:07	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0116.COMP	10	7:11	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0117.Akn564	332	7:13	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	stopped by clouds
0118.Akn564	330	7:18	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0119.COMP	10	7:24	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	

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0120.N7469	300	7:34	23:03:15.7	+08:52:27	300	34	3.0	#6 AGN Monitor	2	
0121.N7469	300	7:39	23:03:15.7	+08:52:27	300	34	3.0	#6 AGN Monitor	2	
0122.COMP	10	7:45	23:03:15.7	+08:52:27	300	34	3.0	#6 AGN Monitor	2	
0123.MRK335	300	7:46	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0124.MRK335	300	7:58	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0125.COMP	10	8:04	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0126.fmfa545	1200	8:11	23:10:34.4	7:17:31	300	90	3.0	#171 Local Uni	2	
0127.COMP	10	8:32	23:10:34.4	7:17:31	300	90	3.0	#171 Local Uni	2	
0128.fmfa546	709	8:38	23:10:35.1	7:31:35	300	90	3.0	#171 Local Uni	2	
0129.COMP	10	8:51	23:10:35.1	7:31:35	300	90	3.0	#171 Local Uni	2	
0130.S029.9234M08.7517	90	8:52	01:59:41.6	-08:45:06	300	90	3.0	#129 CHAMP Sou	2	
0131.COMP	10	8:54	01:59:41.6	-08:45:06	300	90	3.0	#129 CHAMP Sou	2	
0132.S030.0532M08.6811	90	8:54	02:00:12.7	-08:40:52	300	90	3.0	#129 CHAMP Sou	2	
0133.S030.0637M08.7020	150	8:56	02:00:15.3	-08:42:07	300	90	3.0	#129 CHAMP Sou	2	132 and 133 are neighbors, share a comp
0134.COMP	10	8:59	02:00:15.3	-08:42:07	300	90	3.0	#129 CHAMP Sou	2	
0135.fmfa026	600	9:41	01:04:54.5	34:02:44	300	90	3.0	#171 Local Uni	2	
0136.COMP	10	9:52	01:04:54.5	34:02:44	300	90	3.0	#171 Local Uni	2	
0137.sn2006gj	1500	9:55	03:17:35.8	-01:41:30	300	-10	3.0	#2 SN Observat	2	
0138.COMP	10	10:21	03:17:35.8	-01:41:30	300	-10	3.0	#2 SN Observat	2	
0139.sn2006ep	1425	10:24	00:41:24.8	+25:29:46	300	50	3.0	#2 SN Observat	2	stopped short

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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>
0140.COMP	10	10:48	00:41:24.8	+25:29:46	300	50	3.0	#2 SN Observat	2	
0141.01291379+5600241	720	10:53	01:29:13.7	+56:00:24	300	90	3.0	#141 Mapping t	2	redo
0142.COMP	10	11:05	01:29:13.7	+56:00:24	300	90	3.0	#141 Mapping t	2	
0143.02474077+5043172	420	11:28	02:47:40.7	+50:43:17	300	90	3.0	#141 Mapping t	2	ok
0144.COMP	10	11:36	02:47:40.7	+50:43:17	300	90	3.0	#141 Mapping t	2	clouds...
0146-0155.BIAS	0	11:48	02:48:53.9	+48:44:55	300	90	3.0	#174 Cyg X-2	2	
0156-0170.FLAT	25	11:56	02:48:53.9	+48:44:55	300	90	3.0	#174 Cyg X-2	2	
0171-0180.BIAS	0	11:58	02:48:53.9	+48:44:55	300	90	3.0	#174 Cyg X-2	4	
0181-0185.DARK	900	13:10	02:48:53.9	+48:44:55	300	90	3.0	#174 Cyg X-2	2	
0186-0190.DARK	900	14:27	02:48:53.9	+48:44:55	300	90	3.0	#174 Cyg X-2	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	0:59	02:48:53.9	+48:44:55	300	90	3.0	#174 Cyg X-2	2	
0006-0020.BIAS	0	1:16	02:48:53.9	+48:44:55	300	90	3.0	#174 Cyg X-2	2	
0021-0040.FLAT	25	1:33	02:48:53.9	+48:44:55	300	90	3.0	#174 Cyg X-2	2	
0041.AGDra	2	2:25	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0042.AGDra	1	2:25	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0043.AGDra	10	2:26	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0044.AGDra	10	2:26	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0045.COMP	10	2:27	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0046.TCrB	10	2:30	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0047.TCrB	30	2:31	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0048.TCrB	90	2:32	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0049.COMP	10	2:33	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0050.17322109-1737132	542	2:39	17:32:21.0	-17:37:13	300	90	3.0	#141 Mapping t	2	
0051.COMP	10	2:49	17:32:21.0	-17:37:13	300	90	3.0	#141 Mapping t	2	
0052.17362395-1726002	736	2:51	17:36:23.9	-17:26:00	300	90	3.0	#141 Mapping t	2	
0053.COMP	10	3:04	17:36:23.9	-17:26:00	300	90	3.0	#141 Mapping t	2	
0054.fmfa496	1200	4:07	18:10:23.3	49:56:54	300	90	3.0	#171 Local Uni	2	
0055.COMP	10	4:27	18:10:23.3	49:56:54	300	90	3.0	#171 Local Uni	2	lots of clouds
0056.fmfa494	972	4:28	18:09:54.9	49:56:59	300	90	3.0	#171 Local Uni	2	star, plus faint gal, mostly star
0057.COMP	10	4:45	18:09:54.9	49:56:59	300	90	3.0	#171 Local Uni	2	maybe a few emission lines at redshift...

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.fmfa497	687	4:48	18:11:26.0	49:53:40	300	90	3.0	#171 Local Uni	2	
0059.COMP	10	5:00	18:11:26.0	49:53:40	300	90	3.0	#171 Local Uni	2	
0061.test	10	5:07	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0062.FLAT	60	5:08	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	600-line, 2-sec, tilt 480, Manuel
0063-0071.FLAT	60	5:19	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0072.BDp284211	180	5:21	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0073.BDp284211	180	5:24	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0074.COMP	10	5:28	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0075.CygX2	869	5:29	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	ok, stopped by clouds
0076.COMP	10	5:44	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0077.test	10	6:58	21:44:41.2	38:19:18	300	90	3.0	#174 Cyg X-2	2	
0078.test	10	7:00	21:44:41.2	38:19:18	300	90	3.0	#174 Cyg X-2	2	
0079.test	10	7:01	21:44:41.2	38:19:18	300	90	3.0	#174 Cyg X-2	2	
0080.FLAT	25	7:03	21:44:41.2	38:19:18	300	90	3.0	#174 Cyg X-2	2	300-line, 3-sec, combo
0081-0089.FLAT	25	7:08	21:44:41.2	38:19:18	300	90	3.0	#174 Cyg X-2	2	
0090-0099.BIAS	0	8:35	21:44:41.2	38:19:18	300	90	3.0	#174 Cyg X-2	2	
0100-0104.DARK	900	10:05	21:44:41.2	38:19:18	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>
0001-0003.DARK	900	1:51	17:53:39.7	+31:29:49	300	90	3.0	#174 Cyg X-2	4	
0004-0013.BIAS	0	2:10	17:53:39.7	+31:29:49	300	90	3.0	#174 Cyg X-2	4	
0014-0023.FLAT	12	2:14	17:53:39.7	+31:29:49	300	90	3.0	#174 Cyg X-2	4	
0024-0033.BIAS	0	2:16	17:53:39.7	+31:29:49	300	90	3.0	#174 Cyg X-2	2	
0034-0043.FLAT	25	2:23	17:53:39.7	+31:29:49	300	90	3.0	#174 Cyg X-2	2	
0044.BDp284211	90	3:42	21:51:11.1	28:51:53	300	104	3.0	#56 Spectropho	2	
0045.BDp284211	90	3:44	21:51:11.1	28:51:53	300	104	3.0	#56 Spectropho	2	
0046.COMP	12	3:46	21:51:11.1	28:51:53	300	104	3.0	#56 Spectropho	2	
0047.BDp174708	45	3:50	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0048.BDp174708	45	3:51	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0049.COMP	12	3:53	22:11:31.4	18:05:33	300	-30	3.0	#56 Spectropho	2	
0050.sn2006e1	1800	4:31	22:47:38.5	+39:52:27	300	83	3.0	#2 SN Observat	2	
0051.COMP	12	5:02	22:47:38.5	+39:52:27	300	83	3.0	#2 SN Observat	2	
0052.sn2006ep	1500	5:06	00:41:24.8	+25:29:46	300	110	3.0	#2 SN Observat	2	
0053.COMP	12	5:32	00:41:24.8	+25:29:46	300	110	3.0	#2 SN Observat	2	
0054-0063.FLAT	60	7:47	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0064.CygX2	1200	7:54	21:44:41.2	38:19:18	600	87	2.0	#174 Cyg X-2	2	
0065.COMP	15	8:14	21:44:41.2	38:19:18	600	87	2.0	#174 Cyg X-2	2	
0066.BDp284211	60	8:20	21:51:11.0	28:51:50	600	74	2.0	#174 Cyg X-2	2	
0067.COMP	15	8:22	21:51:11.0	28:51:50	600	74	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>
0068.COMP	5	8:26	21:51:11.0	28:51:50	300	90	3.0	#174 Cyg X-2	4	test
0069.COMP	5	8:27	21:51:11.0	28:51:50	300	90	3.0	#174 Cyg X-2	4	
0070.COMP	5	8:29	21:51:11.0	28:51:50	300	90	3.0	#174 Cyg X-2	4	
0071.sn2006et	1200	8:35	00:42:45.8	-23:33:30	300	15	3.0	#2 SN Observat	2	row=95
0072.COMP	12	8:56	00:42:45.8	-23:33:30	300	15	3.0	#2 SN Observat	2	
0073.S019.5772M00.9454	600	9:02	01:18:18.5	-00:56:43	300	90	3.0	#129 CHAMP Sou	2	
0074.COMP	12	9:13	01:18:18.5	-00:56:43	300	90	3.0	#129 CHAMP Sou	2	
0075.S030.2176M09.4087	1500	9:21	02:00:52.2	-09:24:31	300	70	3.0	#129 CHAMP Sou	2	
0076.COMP	12	9:47	02:00:52.2	-09:24:31	300	70	3.0	#129 CHAMP Sou	2	
0077.fmfa253	780	11:27	04:12:28.4	2:04:35	300	90	3.0	#171 Local Uni	2	
0078.COMP	12	11:40	04:12:28.4	2:04:35	300	90	3.0	#171 Local Uni	2	
0079-0088.BIAS	0	12:01	04:12:29.0	2:34:07	300	90	3.0	#2 SN Observat	4	
0089-0098.FLAT	12	12:06	04:12:29.0	2:34:07	300	90	3.0	#2 SN Observat	4	
0099-0108.BIAS	0	12:09	04:12:29.0	2:34:07	300	90	3.0	#2 SN Observat	2	
0109-0138.FLAT	25	12:29	04:12:29.0	2:34:07	300	90	3.0	#2 SN Observat	2	
0139-0148.DARK	900	14:51	04:12:29.0	2:34:07	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
0001-0010.DARK	900	1:02	04:12:29.0	2:34:07	300	90	3.0	#2 SN Observat	4	
0011-0020.BIAS	0	1:50	04:12:29.0	2:34:07	300	90	3.0	#2 SN Observat	4	
0021-0030.FLAT	12	1:56	04:12:29.0	2:34:07	300	90	3.0	#2 SN Observat	4	
0032.BIAS	0	2:08	04:12:29.0	2:34:07	300	90	3.0	#2 SN Observat	2	(there is no file 31)
0033-0041.BIAS	0	2:10	04:12:29.0	2:34:07	300	90	3.0	#2 SN Observat	2	
0042-0061.FLAT	25	2:23	04:12:29.0	2:34:07	300	90	3.0	#2 SN Observat	2	
0062.BDp284211	90	2:29	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	4	
0063.COMP	5	2:32	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	4	
0064.BDp284211	70	2:33	21:51:11.1	28:51:53	300	105	3.0	#56 Spectropho	2	
0065.COMP	12	2:35	21:51:11.1	28:51:53	300	105	3.0	#56 Spectropho	2	
0066.TCrB	15	2:38	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0067.TCrB	15	2:39	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0068.TCrB	60	2:39	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0069.COMP	12	2:41	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0070.AGDra	2	2:50	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	clouds....
0071.COMP	12	2:51	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0072.AGDra	15	2:52	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0073.COMP	12	2:53	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0074.AGDra	60	2:54	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0075.COMP	12	2:55	16:01:41	66:48:10	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>
0076.AGDra	60	2:56	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0077.COMP	12	2:58	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0078.BFCyg	1	3:01	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0079.BFCyg	60	3:01	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0080.COMP	12	3:03	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0081.CHCyg	1	3:05	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0082.CHCyg	5	3:05	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0083.CHCyg	30	3:06	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0084.CHCyg	30	3:08	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0085.COMP	12	3:09	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0086.CICyg	2	3:21	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0087.CICyg	20	3:22	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0088.CICyg	30	3:22	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0089.CICyg	60	3:23	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0090.COMP	12	3:25	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0091.3C390.3	300	3:31	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0092.3C390.3	300	3:36	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0093.3C390.3	300	3:41	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0094.COMP	12	3:47	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0095.MRK509	180	3:50	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>
0096.MRK509	180	3:53	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0097.COMP	12	3:57	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0098.Akn564	180	3:59	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0099.Akn564	180	4:02	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0100.COMP	12	4:06	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0101.sn2006e1	1800	4:15	22:47:38.5	+39:52:27	300	78	3.0	#2 SN Observat	2	
0102.COMP	12	4:46	22:47:38.5	+39:52:27	300	78	3.0	#2 SN Observat	2	
0103.sn2006gr	2100	4:50	22:32:22.6	+30:49:43	300	98	3.0	#2 SN Observat	2	
0104.COMP	12	5:26	22:32:22.6	+30:49:43	300	98	3.0	#2 SN Observat	2	
0105.FLAT	60	5:31	22:32:22.6	+30:49:43	600	90	2.0	#2 SN Observat	2	fog...
0106-0114.FLAT	60	5:42	22:32:22.6	+30:49:43	600	90	2.0	#2 SN Observat	2	
0115.COMP	5	9:25	22:32:22.6	+30:49:43	600	90	2.0	#2 SN Observat	4	test
0116.COMP	5	9:41	02:23:51.9	+31:27:56	300	90	3.0	#2 SN Observat	4	
0117-0126.BIAS	0	11:05	02:23:51.9	+31:27:56	300	90	3.0	#2 SN Observat	4	
0127-0136.FLAT	12	11:08	02:23:51.9	+31:27:56	300	90	3.0	#2 SN Observat	4	
0137-0146.BIAS	0	11:11	02:23:51.9	+31:27:56	300	90	3.0	#2 SN Observat	2	
0147-0166.FLAT	25	11:23	02:23:51.9	+31:27:56	300	90	3.0	#2 SN Observat	2	
0167-0181.DARK	900	15:01	02:23:51.9	+31:27:56	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
0001-0010.DARK	900	1:28	02:23:51.9	+31:27:56	300	90	3.0	#2 SN Observat	4	
0011-0020.BIAS	0	1:59	18:45:08.8	+31:29:19	300	90	3.0	#2 SN Observat	4	
0021-0030.FLAT	12	2:17	18:45:08.8	+31:29:19	300	90	3.0	#2 SN Observat	4	
0031-0040.BIAS	0	2:20	18:45:08.8	+31:29:19	300	90	3.0	#2 SN Observat	2	
0041-0060.FLAT	25	2:34	18:45:08.8	+31:29:19	300	90	3.0	#2 SN Observat	2	
0061.BDp284211	90	2:47	21:51:11.1	28:51:53	300	104	3.0	#56 Spectropho	2	
0062.COMP	12	2:49	21:51:11.1	28:51:53	300	104	3.0	#56 Spectropho	2	
0063.BDp174708	45	2:52	22:11:31.4	18:05:33	300	110	3.0	#56 Spectropho	2	
0064.BDp174708	45	2:53	22:11:31.4	18:05:33	300	110	3.0	#56 Spectropho	2	
0065.COMP	12	2:55	22:11:31.4	18:05:33	300	110	3.0	#56 Spectropho	2	
0066.fmfa498	900	3:46	18:11:49.9	49:54:37	300	30	3.0	#171 Local Uni	2	clouds...
0067.COMP	12	4:02	18:11:49.9	49:54:37	300	30	3.0	#171 Local Uni	2	
0068.fmfa498	720	4:17	18:11:49.9	49:54:37	300	30	3.0	#171 Local Uni	2	
0069.COMP	12	4:29	18:11:49.9	49:54:37	300	30	3.0	#171 Local Uni	2	
0071.sn2006gr	1800	5:52	22:32:22.6	+30:49:43	300	58	3.0	#2 SN Observat	2	
0072.COMP	12	6:23	22:32:22.6	+30:49:43	300	58	3.0	#2 SN Observat	2	
0073.sn2006gt	1200	7:03	00:56:17.3	-01:37:46	300	-24	3.0	#2 SN Observat	2	
0074.COMP	12	7:24	00:56:17.3	-01:37:46	300	-24	3.0	#2 SN Observat	2	
0075.SDSS2313+0034	1200	7:35	23:13:24.4	+00:34:44	300	90	3.0	#165 Quasar Br	2	
0076.COMP	12	7:55	23:13:24.4	+00:34:44	300	90	3.0	#165 Quasar Br	2	

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0077.SDSS2313+0034	1200	7:56	23:13:24.4	+00:34:44	300	90	3.0	#165 Quasar Br	2	
0078.COMP	12	8:17	23:13:24.4	+00:34:44	300	90	3.0	#165 Quasar Br	2	
0079.SDSS2313+0034	1200	8:18	23:13:24.4	+00:34:44	300	90	3.0	#165 Quasar Br	2	
0080.COMP	12	8:38	23:13:24.4	+00:34:44	300	90	3.0	#165 Quasar Br	2	
0081.SDSS2136+0041	1200	8:41	21:36:38.5	+00:41:54	300	90	3.0	#165 Quasar Br	2	
0082.COMP	12	9:02	21:36:38.5	+00:41:54	300	90	3.0	#165 Quasar Br	2	
0083.SDSS0045+1438	1200	9:34	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0084.COMP	12	9:55	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0085.SDSS0045+1438	1200	9:56	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0086.COMP	12	10:16	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0087.SDSS0045+1438	1200	10:17	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0088.COMP	12	10:38	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0089.sn2006gj	1500	10:45	03:17:35.8	-01:41:30	300	6	3.0	#2 SN Observat	2	
0090.COMP	12	11:11	03:17:35.8	-01:41:30	300	6	3.0	#2 SN Observat	2	
0091.04013924+4045347	420	11:23	04:01:39.2	+40:45:34	300	50	3.0	#141 Mapping t	2	
0092.COMP	12	11:30	04:01:39.2	+40:45:34	300	50	3.0	#141 Mapping t	2	
0093.03571578+4116470	1020	11:32	03:57:15.7	+41:16:47	300	90	3.0	#141 Mapping t	2	
0094.COMP	12	11:49	03:57:15.7	+41:16:47	300	90	3.0	#141 Mapping t	2	
0095.03571578+4116470	1500	11:50	03:57:15.7	+41:16:47	300	90	3.0	#141 Mapping t	2	
0096.COMP	12	12:18	03:57:15.7	+41:16:47	300	90	3.0	#141 Mapping t	2	

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0097.Hiltner600	80	12:20	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0098.COMP	12	12:22	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0099-0108.BIAS	0	12:31	06:45:13.4	02:08:14	300	90	3.0	#2 SN Observat	4	
0109-0118.FLAT	12	12:35	06:45:13.4	02:08:14	300	90	3.0	#2 SN Observat	4	
0119-0128.BIAS	0	12:38	06:45:13.4	02:08:14	300	90	3.0	#2 SN Observat	2	
0129-0148.FLAT	25	12:50	06:45:13.4	02:08:14	300	90	3.0	#2 SN Observat	2	
0149-0158.DARK	900	15:10	06:45:13.4	02:08:14	300	90	3.0	#2 SN Observat	2	

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0001-0010.BIAS	0	1:01	17:44:30.0	+31:29:55	300	90	3.0	#2 SN Observat	2	
0011.FLAT	25	1:02	17:44:30.0	+31:29:55	300	90	3.0	#2 SN Observat	2	clearing
0012-0030.FLAT	25	1:13	17:44:30.0	+31:29:55	300	90	3.0	#2 SN Observat	2	
0031-0035.sky	3	1:29	18:20:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0036.COMP	10	1:29	18:20:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0037.AGDra	1	1:56	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0038.AGDra	2	1:57	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0039.AGDra	6	1:57	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0040.AGDra	10	1:57	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0041.COMP	10	1:58	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0042.CHCyg	2	2:00	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0043.CHCyg	6	2:00	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0044.CHCyg	10	2:01	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0045.COMP	10	2:01	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0046.CICyg	2	2:02	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0047.CICyg	6	2:03	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0048.CICyg	30	2:03	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0049.COMP	10	2:04	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0050.BFCyg	2	2:06	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0051.BFCyg	6	2:06	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	



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0052.BFCyg	30	2:07	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0053.COMP	10	2:08	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0054.RSOph	10	2:10	17:50:13	-06:42:30	300	25	3.0	#12 Symbiotic	2	
0055.RSOph	30	2:10	17:50:13	-06:42:30	300	25	3.0	#12 Symbiotic	2	
0056.RSOph	150	2:11	17:50:13	-06:42:30	300	25	3.0	#12 Symbiotic	2	
0057.COMP	10	2:14	17:50:13	-06:42:30	300	25	3.0	#12 Symbiotic	2	
0058.XXOph	5	2:15	17:43:56	-06:16:08	300	25	3.0	#12 Symbiotic	2	
0059.XXOph	1	2:15	17:43:56	-06:16:08	300	25	3.0	#12 Symbiotic	2	
0060.XXOph	5	2:16	17:43:56	-06:16:08	300	25	3.0	#12 Symbiotic	2	
0061.COMP	10	2:16	17:43:56	-06:16:08	300	25	3.0	#12 Symbiotic	2	
0062.HMSge	10	2:18	19:41:57	16:44:41	300	90	3.0	#12 Symbiotic	2	
0063.HMSge	1	2:19	19:41:57	16:44:41	300	90	3.0	#12 Symbiotic	2	
0064.HMSge	10	2:19	19:41:57	16:44:41	300	90	3.0	#12 Symbiotic	2	
0065.COMP	10	2:20	19:41:57	16:44:41	300	90	3.0	#12 Symbiotic	2	
0066.17320849-1740132	300	2:21	17:32:08.4	-17:40:13	300	90	3.0	#141 Mapping t	2	clean gal spectrum at row 80
0067.COMP	10	2:27	17:32:08.4	-17:40:13	300	90	3.0	#141 Mapping t	2	
0068.18424365-2204447	480	2:28	18:42:43.6	-22:04:44	300	90	3.0	#141 Mapping t	2	
0069.COMP	10	2:37	18:42:43.6	-22:04:44	300	90	3.0	#141 Mapping t	2	
0070.18455660-2135036	600	2:38	18:45:56.6	-21:35:03	300	90	3.0	#141 Mapping t	2	ok, clean gal at row 80
0071.COMP	10	2:49	18:45:56.6	-21:35:03	300	90	3.0	#141 Mapping t	2	

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0072.18471621-2116534	420	2:49	18:47:16.2	-21:16:53	300	90	3.0	#141 Mapping t	2	
0073.COMP	10	2:57	18:47:16.2	-21:16:53	300	90	3.0	#141 Mapping t	2	
0074.18494179-2058461	540	2:57	18:49:41.7	-20:58:46	300	90	3.0	#141 Mapping t	2	
0075.COMP	10	3:07	18:49:41.7	-20:58:46	300	90	3.0	#141 Mapping t	2	
0076.test	10	3:11	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0077.FLAT	60	3:11	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	600-line, 2-sec, tilt 480, Manuel
0078-0081.FLAT	60	3:16	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0082.BDp284211	60	3:18	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0083.COMP	15	3:19	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0084.CygX2	1200	3:21	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0085.COMP	15	3:41	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0086.test	10	3:44	21:00:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0087.fmfa499	420	3:46	18:12:07.0	49:57:59	300	95	3.0	#171 Local Uni	2	300-line, 3-sec, combo
0088.COMP	10	3:54	18:12:07.0	49:57:59	300	95	3.0	#171 Local Uni	2	
0089.fmfa500	720	3:55	18:12:47.3	49:49:30	300	95	3.0	#171 Local Uni	2	ok, strong em
0090.COMP	10	4:08	18:12:47.3	49:49:30	300	95	3.0	#171 Local Uni	2	
0091.fmfa489	300	4:09	17:42:27.1	35:57:49	300	95	3.0	#171 Local Uni	2	
0092.COMP	10	4:15	17:42:27.1	35:57:49	300	95	3.0	#171 Local Uni	2	
0093.fmfa490	330	4:16	17:43:29.5	35:25:16	300	95	3.0	#171 Local Uni	2	
0094.COMP	10	4:21	17:43:29.5	35:25:16	300	95	3.0	#171 Local Uni	2	

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0095.fmfa488	300	4:22	17:42:21.0	35:02:57	300	95	3.0	#171 Local Uni	2	
0096.COMP	10	4:28	17:42:21.0	35:02:57	300	95	3.0	#171 Local Uni	2	
0097.test	10	4:30	21:30:00	25:00:00	300	95	3.0	#171 Local Uni	2	
0098.test	10	4:31	21:30:00	25:00:00	300	95	3.0	#171 Local Uni	2	tweak tilt again
0099.SDSS2136+0041	1200	4:35	21:36:38.5	+00:41:54	300	0	3.0	#165 Quasar Br	2	
0100.COMP	10	4:56	21:36:38.5	+00:41:54	300	0	3.0	#165 Quasar Br	2	
0101.BDp284211	90	4:58	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0102.BDp284211	90	5:01	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0103.COMP	10	5:03	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0104.BDp174708	45	5:04	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0105.BDp174708	45	5:05	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0106.BDp174708	45	5:06	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0107.COMP	10	5:07	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0108.sn2006gr	1800	5:09	22:32:22.6	+30:49:43	300	90	3.0	#2 SN Observat	2	
0109.COMP	10	5:40	22:32:22.6	+30:49:43	300	90	3.0	#2 SN Observat	2	
0110.S325.5787P12.4235	300	5:41	21:42:18.9	+12:25:24	300	90	3.0	#129 CHAMP Sou	2	
0111.COMP	10	5:47	21:42:18.9	+12:25:24	300	90	3.0	#129 CHAMP Sou	2	
0112.S325.6222P12.5548	240	5:47	21:42:29.3	+12:33:17	300	90	3.0	#129 CHAMP Sou	2	this is the brighter southern star
0113.S325.6224P12.5561	420	5:52	21:42:29.3	+12:33:22	300	90	3.0	#129 CHAMP Sou	2	fainter northern star
0114.COMP	10	5:59	21:42:29.3	+12:33:22	300	90	3.0	#129 CHAMP Sou	2	both PMS, share a comp

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0115.S325.6489P12.4503	243	6:01	21:42:35.7	+12:27:01	300	99	3.0	#129 CHAMP Sou	2	original target
0116.S325.6489P12.4503	240	6:05	21:42:35.7	+12:27:01	300	99	3.0	#129 CHAMP Sou	2	this is the fainter comp to NE
0117.COMP	10	6:09	21:42:35.7	+12:27:01	300	99	3.0	#129 CHAMP Sou	2	
0118.SDSS2313+0034	1200	6:12	23:13:24.4	+00:34:44	300	0	3.0	#165 Quasar Br	2	
0119.COMP	10	6:33	23:13:24.4	+00:34:44	300	0	3.0	#165 Quasar Br	2	
0120.SDSS2313+0034	1200	6:34	23:13:24.4	+00:34:44	300	8	3.0	#165 Quasar Br	2	
0121.COMP	10	6:55	23:13:24.4	+00:34:44	300	8	3.0	#165 Quasar Br	2	
0122.SDSS2313+0034	1200	6:56	23:13:24.4	+00:34:44	300	17	3.0	#165 Quasar Br	2	
0123.COMP	10	7:16	23:13:24.4	+00:34:44	300	17	3.0	#165 Quasar Br	2	
0124.Feige110	90	7:17	23:19:58.3	-05:09:55	300	17	3.0	#56 Spectropho	2	
0125.Feige110	90	7:19	23:19:58.3	-05:09:55	300	17	3.0	#56 Spectropho	2	
0126.COMP	10	7:21	23:19:58.3	-05:09:55	300	17	3.0	#56 Spectropho	2	
0127.N7469	120	7:23	23:03:15.7	+08:52:27	300	35	3.0	#6 AGN Monitor	2	
0128.N7469	120	7:25	23:03:15.7	+08:52:27	300	35	3.0	#6 AGN Monitor	2	
0129.COMP	10	7:27	23:03:15.7	+08:52:27	300	35	3.0	#6 AGN Monitor	2	
0130.MRK335	150	7:29	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0131.MRK335	150	7:31	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0132.COMP	10	7:34	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0133.163m217	300	7:35	00:40:33.3	+41:11:20	300	90	3.0	#57 Velocity S	2	
0134.COMP	10	7:41	00:40:33.3	+41:11:20	300	90	3.0	#57 Velocity S	2	

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0135.ZAnd	2	7:42	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	poor seeing
0136.ZAnd	10	7:42	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0137.ZAnd	10	7:43	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0138.COMP	10	7:43	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0139.23032639+8645577	480	7:50	23:03:26.3	+86:45:57	300	90	3.0	#141 Mapping t	2	id ok
0140.COMP	10	7:59	23:03:26.3	+86:45:57	300	90	3.0	#141 Mapping t	2	
0141.sn2006gt	1500	8:12	00:56:17.3	-01:37:46	300	7	3.0	#2 SN Observat	2	
0142.COMP	10	8:38	00:56:17.3	-01:37:46	300	7	3.0	#2 SN Observat	2	
0143.fmfa547	600	8:41	23:10:37.3	7:35:50	300	90	3.0	#171 Local Uni	2	
0144.COMP	10	8:53	23:10:37.3	7:35:50	300	90	3.0	#171 Local Uni	2	
0145.test	10	8:55	2:0:0	20:0:0	300	90	3.0	#171 Local Uni	2	
0146.fmfa548	480	8:57	23:10:43.2	7:13:30	300	90	3.0	#171 Local Uni	2	
0147.COMP	10	9:05	23:10:43.2	7:13:30	300	90	3.0	#171 Local Uni	2	
0148.fmfa561	240	9:07	23:57:34.2	8:37:23	300	90	3.0	#171 Local Uni	2	
0149.COMP	10	9:11	23:57:34.2	8:37:23	300	90	3.0	#171 Local Uni	2	
0150.fmfa562	300	9:12	23:58:15.8	8:15:24	300	90	3.0	#171 Local Uni	2	
0151.COMP	10	9:17	23:58:15.8	8:15:24	300	90	3.0	#171 Local Uni	2	
0152.fmfa563	600	9:18	23:58:38.9	7:56:41	300	90	3.0	#171 Local Uni	2	
0153.COMP	10	9:28	23:58:38.9	7:56:41	300	90	3.0	#171 Local Uni	2	
0154.fmfa564	240	9:29	23:58:46.6	8:24:04	300	90	3.0	#171 Local Uni	2	

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0155.COMP	10	9:33	23:58:46.6	8:24:04	300	90	3.0	#171 Local Uni	2	
0156.fmfa565	420	9:34	23:58:48.1	7:44:47	300	90	3.0	#171 Local Uni	2	
0157.COMP	10	9:42	23:58:48.1	7:44:47	300	90	3.0	#171 Local Uni	2	
0158.fmfa566	480	9:42	23:59:16.2	8:26:34	300	90	3.0	#171 Local Uni	2	
0159.COMP	10	9:51	23:59:16.2	8:26:34	300	90	3.0	#171 Local Uni	2	
0160.fmfa567	480	9:51	23:59:25.3	8:17:51	300	90	3.0	#171 Local Uni	2	
0161.COMP	10	10:00	23:59:25.3	8:17:51	300	90	3.0	#171 Local Uni	2	
0162.fmfa568	330	10:00	23:59:56.0	8:15:26	300	90	3.0	#171 Local Uni	2	
0163.COMP	10	10:06	23:59:56.0	8:15:26	300	90	3.0	#171 Local Uni	2	
0164.fmfa569	330	10:07	23:59:59.3	8:33:54	300	90	3.0	#171 Local Uni	2	
0165.COMP	10	10:13	23:59:59.3	8:33:54	300	90	3.0	#171 Local Uni	2	
0166.sn2006gy	720	10:15	03:17:27.0	+41:24:19	300	90	3.0	#2 SN Observat	2	
0167.COMP	10	10:27	03:17:27.0	+41:24:19	300	90	3.0	#2 SN Observat	2	
0168.hxPer121	480	10:29	2:18:47.2	57:24:22	300	90	3.0	#170 h & chi P	2	
0169.COMP	10	10:38	2:18:47.2	57:24:22	300	90	3.0	#170 h & chi P	2	
0170.hxPer120	360	10:39	2:24:14.0	57:8:20	300	90	3.0	#170 h & chi P	2	
0171.COMP	10	10:45	2:24:14.0	57:8:20	300	90	3.0	#170 h & chi P	2	
0172.hxPer100	360	10:46	2:23:8.3	57:17:25	300	90	3.0	#170 h & chi P	2	
0173.COMP	10	10:52	2:23:8.3	57:17:25	300	90	3.0	#170 h & chi P	2	
0174.hxPer10	600	10:53	2:17:34.7	56:47:24	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
0175.COMP	10	11:04	2:17:34.7	56:47:24	300	90	3.0	#170 h & chi P	2	
0176.hxPer101	300	11:04	2:18:26.1	57:32:32	300	90	3.0	#170 h & chi P	2	
0177.COMP	10	11:10	2:18:26.1	57:32:32	300	90	3.0	#170 h & chi P	2	
0178.hxPer102	300	11:10	2:18:0.0	56:55:58	300	90	3.0	#170 h & chi P	2	
0179.COMP	10	11:16	2:18:0.0	56:55:58	300	90	3.0	#170 h & chi P	2	
0180.hxPer103	300	11:17	2:22:54.9	56:44:48	300	90	3.0	#170 h & chi P	2	
0181.COMP	10	11:22	2:22:54.9	56:44:48	300	90	3.0	#170 h & chi P	2	
0182.hxPer104	390	11:23	2:20:20.4	56:53:31	300	90	3.0	#170 h & chi P	2	seeing better
0183.COMP	10	11:30	2:20:20.4	56:53:31	300	90	3.0	#170 h & chi P	2	
0184.hxPer106	330	11:30	2:18:57.7	57:26:58	300	90	3.0	#170 h & chi P	2	
0185.COMP	10	11:36	2:18:57.7	57:26:58	300	90	3.0	#170 h & chi P	2	
0186.hxPer107	330	11:37	2:19:43.5	57:27:42	300	90	3.0	#170 h & chi P	2	
0187.COMP	10	11:43	2:19:43.5	57:27:42	300	90	3.0	#170 h & chi P	2	
0188.hxPer1	330	11:43	2:19:4.8	57:8:49	300	90	3.0	#170 h & chi P	2	target at row 81, ok another A star
0189.COMP	10	11:49	2:19:4.8	57:8:49	300	90	3.0	#170 h & chi P	2	
0190.hxPer108	360	11:50	2:17:44.3	57:27:57	300	90	3.0	#170 h & chi P	2	
0191.COMP	10	11:56	2:17:44.3	57:27:57	300	90	3.0	#170 h & chi P	2	
0192.05270140+1718452	210	11:58	05:27:01.4	+17:18:45	300	90	3.0	#141 Mapping t	2	
0193.COMP	10	12:02	05:27:01.4	+17:18:45	300	90	3.0	#141 Mapping t	2	
0194.Akn120	240	12:03	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	

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0195.COMP	10	12:07	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0196.NGC1700	180	12:08	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0197.COMP	10	12:11	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0198.sn2006gy	90	12:14	03:17:27.0	+41:24:19	300	90	3.0	#2 SN Observat	2	check again in better seeing
0199.COMP	10	12:15	03:17:27.0	+41:24:19	300	90	3.0	#2 SN Observat	2	
0200.HD12623	4	12:18	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	2	
0201.HD12623	4	12:18	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	2	
0202.HD12623	4	12:18	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	2	
0203.COMP	10	12:19	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	2	
0204-0213.BIAS	0	12:23	02:02:19	+62:56:04	300	90	3.0	#2 SN Observat	2	
0214-0228.FLAT	25	12:32	02:02:19	+62:56:04	300	90	3.0	#2 SN Observat	2	
0229-0238.DARK	900	14:59	02:02:19	+62:56:04	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>
0001-0010.BIAS	0	0:00	02:02:19	+62:56:04	300	90	3.0	#2 SN Observat	2	
0011-0030.FLAT	25	0:12	02:02:19	+62:56:04	300	90	3.0	#2 SN Observat	2	
0031-0034.DARK	900	1:01	02:02:19	+62:56:04	300	90	3.0	#2 SN Observat	2	
0035.COMP	10	1:17	02:02:19	+62:56:04	300	90	3.0	#2 SN Observat	2	
0036-0040.sky	3	1:28	18:23:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0041.COMP	10	1:28	18:23:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0042.HD229196	2	1:57	20:23:17	40:52:52	300	90	3.0	#99 Other	2	for the hot star archive, Perry
0043.HD229196	2	1:58	20:23:17	40:52:52	300	90	3.0	#99 Other	2	
0044.HD229196	2	1:58	20:23:17	40:52:52	300	90	3.0	#99 Other	2	
0045.COMP	10	1:58	20:23:17	40:52:52	300	90	3.0	#99 Other	2	
0046.HD193237	1	2:01	20:17:47	38:01:58	300	90	3.0	#99 Other	2	P Cyg
0047.HD193237	1	2:02	20:17:47	38:01:58	300	90	3.0	#99 Other	2	
0048.HD193237	2	2:02	20:17:47	38:01:58	300	90	3.0	#99 Other	2	
0049.COMP	10	2:02	20:17:47	38:01:58	300	90	3.0	#99 Other	2	
0050.HD193682	2	2:03	20:20:08	37:49:51	300	90	3.0	#99 Other	2	
0051.HD193682	2	2:04	20:20:08	37:49:51	300	90	3.0	#99 Other	2	
0052.HD193682	2	2:04	20:20:08	37:49:51	300	90	3.0	#99 Other	2	
0053.COMP	10	2:04	20:20:08	37:49:51	300	90	3.0	#99 Other	2	
0054.HD186047	1	2:05	19:40:57	32:37:05	300	90	3.0	#99 Other	2	cool star archive
0055.HD186047	2	2:05	19:40:57	32:37:05	300	90	3.0	#99 Other	2	

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0056.HD186047	2	2:06	19:40:57	32:37:05	300	90	3.0	#99 Other	2	
0057.COMP	10	2:06	19:40:57	32:37:05	300	90	3.0	#99 Other	2	
0058.HD166802	2	2:07	18:12:06	06:51:13	300	90	3.0	#99 Other	2	
0059.HD166802	1	2:08	18:12:06	06:51:13	300	90	3.0	#99 Other	2	
0060.HD166802	5	2:08	18:12:06	06:51:13	300	90	3.0	#99 Other	2	
0061.COMP	10	2:08	18:12:06	06:51:13	300	90	3.0	#99 Other	2	
0062.fmfa459	240	2:10	17:30:02.6	43:41:21	300	90	3.0	#171 Local Uni	2	
0063.COMP	10	2:14	17:30:02.6	43:41:21	300	90	3.0	#171 Local Uni	2	
0064.fmfa460	240	2:15	17:30:04.8	43:47:25	300	90	3.0	#171 Local Uni	2	
0065.COMP	10	2:19	17:30:04.8	43:47:25	300	90	3.0	#171 Local Uni	2	
0066.fmfa461	300	2:20	17:30:14.6	43:34:35	300	90	3.0	#171 Local Uni	2	
0067.COMP	10	2:25	17:30:14.6	43:34:35	300	90	3.0	#171 Local Uni	2	
0068.fmfa462	330	2:26	17:30:58.5	44:02:31	300	90	3.0	#171 Local Uni	2	
0069.COMP	10	2:32	17:30:58.5	44:02:31	300	90	3.0	#141 Mapping t	2	
0070.17055639-2458336	720	2:34	17:05:56.3	-24:58:33	300	90	3.0	#141 Mapping t	2	ok, beware interstellar NaD
0071.COMP	10	2:47	17:05:56.3	-24:58:33	300	90	3.0	#141 Mapping t	2	
0072.17355783-1750054	720	2:48	17:35:57.8	-17:50:05	300	90	3.0	#141 Mapping t	2	nice galaxy spectrum at row 80
0073.COMP	10	3:00	17:35:57.8	-17:50:05	300	90	3.0	#141 Mapping t	2	
0074.18495449-2031203	540	3:02	18:49:54.4	-20:31:20	300	90	3.0	#141 Mapping t	2	
0075.COMP	10	3:11	18:49:54.4	-20:31:20	300	90	3.0	#171 Local Uni	2	

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0076.fmfa447	660	3:13	17:00:45.1	27:49:39	300	90	3.0	#171 Local Uni	2	
0077.COMP	10	3:24	17:00:45.1	27:49:39	300	90	3.0	#171 Local Uni	2	
0078.fmfa448	480	3:25	17:00:59.7	28:07:57	300	90	3.0	#171 Local Uni	2	
0079.COMP	10	3:33	17:00:59.7	28:07:57	300	90	3.0	#171 Local Uni	2	
0080.fmfa449	420	3:34	17:01:02.6	27:56:34	300	90	3.0	#171 Local Uni	2	
0081.COMP	10	3:41	17:01:02.6	27:56:34	300	90	3.0	#171 Local Uni	2	
0082.fmfa450	363	3:42	17:01:25.0	27:44:23	300	90	3.0	#171 Local Uni	2	
0083.COMP	10	3:48	17:01:25.0	27:44:23	300	90	3.0	#171 Local Uni	2	
0084.fmfa452	330	3:50	17:11:00.5	56:56:08	300	90	3.0	#171 Local Uni	2	
0085.COMP	10	3:56	17:11:00.5	56:56:08	300	90	3.0	#171 Local Uni	2	
0086.fmfa451	480	3:56	17:10:15.2	56:45:48	300	90	3.0	#171 Local Uni	2	
0087.COMP	10	4:05	17:10:15.2	56:45:48	300	90	3.0	#171 Local Uni	2	
0088.fmfa453	360	4:05	17:13:15.2	57:40:37	300	90	3.0	#171 Local Uni	2	
0089.COMP	10	4:12	17:13:15.2	57:40:37	300	90	3.0	#171 Local Uni	2	
0090.fmfa454	270	4:13	17:14:11.5	57:58:33	300	90	3.0	#171 Local Uni	2	
0091.COMP	10	4:17	17:14:11.5	57:58:33	300	90	3.0	#171 Local Uni	2	
0092.fmfa455	270	4:18	17:18:11.4	57:30:18	300	90	3.0	#171 Local Uni	2	
0093.COMP	10	4:23	17:18:11.4	57:30:18	300	90	3.0	#171 Local Uni	2	
0094.test	10	4:27	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0095.FLAT	60	4:27	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	600-line, 2-sec, tilt 480, Manuel

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0096-0099.FLAT	60	4:32	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0100.BDp284211	60	4:34	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0101.COMP	15	4:35	21:51:11.0	28:51:50	600	90	2.0	#174 Cyg X-2	2	
0102.CygX2	1178	4:38	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	dome closed, cutting exp short
0103.COMP	15	4:58	21:44:41.2	38:19:18	600	90	2.0	#174 Cyg X-2	2	
0104.test	10	5:01	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0105.test	10	5:03	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0106.test	10	5:04	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0107.BDp284211	90	5:05	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	300-line, 3-sec, combo
0108.BDp284211	90	5:07	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0109.COMP	10	5:08	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0110.SDSS2136+0041	1200	5:11	21:36:38.5	+00:41:54	300	17	3.0	#165 Quasar Br	2	
0111.COMP	10	5:32	21:36:38.5	+00:41:54	300	17	3.0	#165 Quasar Br	2	
0112.BDp174708	45	5:33	22:11:31.4	18:05:33	300	17	3.0	#56 Spectropho	2	
0113.BDp174708	45	5:34	22:11:31.4	18:05:33	300	17	3.0	#56 Spectropho	2	
0114.BDp174708	45	5:35	22:11:31.4	18:05:33	300	17	3.0	#56 Spectropho	2	
0115.COMP	10	5:36	22:11:31.4	18:05:33	300	17	3.0	#56 Spectropho	2	
0116.sn2006gr	1500	5:39	22:32:22.6	+30:49:43	300	0	3.0	#2 SN Observat	2	
0117.COMP	10	6:04	22:32:22.6	+30:49:43	300	0	3.0	#2 SN Observat	2	
0118.S340.9166M09.5632	600	6:06	22:43:39.9	-09:33:47	300	0	3.0	#129 CHAMP Sou	2	

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0119.COMP	10	6:17	22:43:39.9	-09:33:47	300	0	3.0	#129 CHAMP Sou	2	
0120.SDSS2313+0034	1200	6:18	23:13:24.4	+00:34:44	300	4	3.0	#165 Quasar Br	2	
0121.COMP	10	6:39	23:13:24.4	+00:34:44	300	4	3.0	#165 Quasar Br	2	
0122.SDSS2313+0034	1200	6:40	23:13:24.4	+00:34:44	300	12	3.0	#165 Quasar Br	2	
0123.COMP	10	7:01	23:13:24.4	+00:34:44	300	12	3.0	#165 Quasar Br	2	
0124.SDSS2313+0034	1200	7:02	23:13:24.4	+00:34:44	300	21	3.0	#165 Quasar Br	2	
0125.COMP	10	7:22	23:13:24.4	+00:34:44	300	21	3.0	#172 SDSS Clus	2	
0126.cirrfastb001	60	7:24	00:36:24.9	-9:01:33	300	21	3.0	#172 SDSS Clus	2	star, close pair of stars, no agn
0127.COMP	10	7:25	00:36:24.9	-9:01:33	300	21	3.0	#172 SDSS Clus	2	
0128.cirrfastb002	300	7:26	00:36:49.1	-10:44:18	300	21	3.0	#172 SDSS Clus	2	
0129.COMP	10	7:31	00:36:49.1	-10:44:18	300	21	3.0	#172 SDSS Clus	2	
0130.cirrfastb003	480	7:32	00:38:34.8	-9:28:28	300	21	3.0	#172 SDSS Clus	2	
0131.COMP	10	7:40	00:38:34.8	-9:28:28	300	21	3.0	#172 SDSS Clus	2	
0132.cirrfastb004	480	7:41	00:39:26.6	-10:17:32	300	21	3.0	#172 SDSS Clus	2	
0133.COMP	10	7:49	00:39:26.6	-10:17:32	300	21	3.0	#172 SDSS Clus	2	
0134.cirrfastb005	720	7:50	00:41:05.2	-9:46:42	300	21	3.0	#172 SDSS Clus	2	
0135.COMP	10	8:03	00:41:05.2	-9:46:42	300	21	3.0	#172 SDSS Clus	2	
0136.cirrfastb006	720	8:04	00:41:27.9	-9:13:47	300	21	3.0	#172 SDSS Clus	2	
0137.COMP	10	8:16	00:41:27.9	-9:13:47	300	21	3.0	#172 SDSS Clus	2	
0138.cirrfastb007	300	8:17	00:41:43.0	-9:26:21	300	21	3.0	#172 SDSS Clus	2	

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0139.COMP	10	8:22	00:41:43.0	-9:26:21	300	21	3.0	#172 SDSS Clus	2	
0140.cirsfastb008	364	8:23	00:41:53.5	-9:29:48	300	21	3.0	#172 SDSS Clus	2	
0141.COMP	10	8:30	00:41:53.5	-9:29:48	300	21	3.0	#172 SDSS Clus	2	
0142.cirsfastb009	270	8:30	00:43:08.1	-11:12:37	300	21	3.0	#172 SDSS Clus	2	
0143.COMP	10	8:35	00:43:08.1	-11:12:37	300	21	3.0	#2 SN Observat	2	
0144.sn2006gt	1800	8:38	00:56:17.3	-01:37:46	300	21	3.0	#2 SN Observat	2	
0145.COMP	10	9:09	00:56:17.3	-01:37:46	300	21	3.0	#2 SN Observat	2	
0146.cirsfastb011	720	9:10	00:47:49.4	-9:22:32	300	21	3.0	#172 SDSS Clus	2	target is a smaller galaxy embedded in a larger gal, ala M51
0147.COMP	10	9:22	00:47:49.4	-9:22:32	300	21	3.0	#172 SDSS Clus	2	ok. larger gal has em, target does not, ignore fuzz to west
0148.sn2006fo	1500	9:26	02:32:38.9	+00:37:03	300	0	3.0	#2 SN Observat	2	
0149.COMP	10	9:52	02:32:38.9	+00:37:03	300	0	3.0	#2 SN Observat	2	
0150.cirsfastb010	480	9:54	00:45:02.7	-9:48:35	300	90	3.0	#172 SDSS Clus	2	
0151.COMP	10	10:03	00:45:02.7	-9:48:35	300	90	3.0	#172 SDSS Clus	2	
0152.cirsfastb015	300	10:04	01:40:25.5	-10:19:37	300	90	3.0	#172 SDSS Clus	2	
0153.COMP	10	10:09	01:40:25.5	-10:19:37	300	90	3.0	#172 SDSS Clus	2	
0154.cirsfastb012	600	10:10	01:11:35.5	0:27:46	300	90	3.0	#172 SDSS Clus	2	
0155.COMP	10	10:21	01:11:35.5	0:27:46	300	90	3.0	#172 SDSS Clus	2	
0156.cirsfastb014	270	10:21	01:15:16.7	0:11:08	300	90	3.0	#172 SDSS Clus	2	
0157.COMP	10	10:26	01:15:16.7	0:11:08	300	90	3.0	#172 SDSS Clus	2	
0158.cirsfastb013	660	10:27	01:14:37.3	1:10:53	300	90	3.0	#172 SDSS Clus	2	

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0159.COMP	10	10:39	01:14:37.3	1:10:53	300	90	3.0	#172 SDSS Clus	2	
0160.158m213	240	10:40	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	2	
0161.COMP	10	10:45	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	2	
0162.IPHASB_700	300	10:51	00:29:26.9	+63:04:50	300	90	3.0	#157 IPHAS	2	
0163.COMP	10	10:56	00:29:26.9	+63:04:50	300	90	3.0	#157 IPHAS	2	
0164.IPHASB_701	180	10:57	00:32:10.3	+62:39:29	300	90	3.0	#157 IPHAS	2	
0165.COMP	10	11:00	00:32:10.3	+62:39:29	300	90	3.0	#157 IPHAS	2	
0166.IPHASB_702	180	11:01	00:41:21.3	+65:04:13	300	90	3.0	#157 IPHAS	2	
0167.COMP	10	11:04	00:41:21.3	+65:04:13	300	90	3.0	#157 IPHAS	2	
0168.IPHASB_703	180	11:05	00:46:20.8	+62:25:03	300	90	3.0	#157 IPHAS	2	
0169.COMP	10	11:08	00:46:20.8	+62:25:03	300	90	3.0	#157 IPHAS	2	
0170.IPHASB_704	240	11:09	00:47:41.5	+62:42:03	300	90	3.0	#157 IPHAS	2	
0171.COMP	10	11:13	00:47:41.5	+62:42:03	300	90	3.0	#157 IPHAS	2	
0172.IPHASB_705	180	11:14	00:49:12.2	+64:19:45	300	90	3.0	#157 IPHAS	2	
0173.COMP	10	11:17	00:49:12.2	+64:19:45	300	90	3.0	#157 IPHAS	2	
0174.IPHASB_705	180	11:18	00:50:11.8	+63:51:29	300	90	3.0	#157 IPHAS	2	
0175.COMP	10	11:21	00:50:11.8	+63:51:29	300	90	3.0	#157 IPHAS	2	
0176.IPHASB_707	240	11:22	00:54:58.9	+63:39:13	300	90	3.0	#157 IPHAS	2	
0177.COMP	10	11:26	00:54:58.9	+63:39:13	300	90	3.0	#157 IPHAS	2	
0178.IPHASB_708	300	11:27	00:57:43.7	+64:02:35	300	90	3.0	#157 IPHAS	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>
0179.COMP	10	11:32	00:57:43.7	+64:02:35	300	90	3.0	#157 IPHAS	2	
0180.IPHASB_709	240	11:34	00:57:55.9	+66:28:37	300	90	3.0	#157 IPHAS	2	
0181.COMP	10	11:38	00:57:55.9	+66:28:37	300	90	3.0	#157 IPHAS	2	
0182.IPHASB_728	180	11:39	01:30:00.2	+63:10:44	300	90	3.0	#157 IPHAS	2	
0183.COMP	10	11:42	01:30:00.2	+63:10:44	300	90	3.0	#157 IPHAS	2	
0184.IPHASB_729	180	11:43	01:32:13.9	+62:37:17	300	90	3.0	#157 IPHAS	2	
0185.COMP	10	11:46	01:32:13.9	+62:37:17	300	90	3.0	#157 IPHAS	2	
0186.IPHASB_730	180	11:47	01:33:28.7	+61:07:59	300	90	3.0	#157 IPHAS	2	
0187.COMP	10	11:50	01:33:28.7	+61:07:59	300	90	3.0	#157 IPHAS	2	
0188.IPHASB_731	120	11:51	01:34:02.8	+61:13:58	300	90	3.0	#157 IPHAS	2	
0189.COMP	10	11:53	01:34:02.8	+61:13:58	300	90	3.0	#157 IPHAS	2	
0190.IPHASB_732	120	11:54	01:34:22.6	+62:44:59	300	90	3.0	#157 IPHAS	2	
0191.COMP	10	11:56	01:34:22.6	+62:44:59	300	90	3.0	#157 IPHAS	2	
0192.IPHASB_733	120	11:57	01:38:19.5	+63:53:06	300	90	3.0	#157 IPHAS	2	
0193.COMP	10	11:59	01:38:19.5	+63:53:06	300	90	3.0	#157 IPHAS	2	
0194.IPHASB_734	180	12:00	01:39:20.8	+65:43:38	300	90	3.0	#157 IPHAS	2	
0195.COMP	10	12:03	01:39:20.8	+65:43:38	300	90	3.0	#157 IPHAS	2	
0196.2M07193089+5921184	180	12:05	7:19:30.8	59:21:18	300	90	3.0	#141 Mapping t	2	
0197.COMP	10	12:08	7:19:30.8	59:21:18	300	90	3.0	#141 Mapping t	2	
0198.HD52071	3	12:11	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	



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0199.HD52071	3	12:11	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0200.HD52071	3	12:12	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0201.COMP	10	12:12	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0202.BXMon	10	12:14	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0203.BXMon	30	12:14	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0204.BXMon	90	12:15	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0205.COMP	10	12:17	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0206.sn2006gy	60	12:20	03:17:27.0	+41:24:19	300	90	3.0	#2 SN Observat	2	
0207.COMP	10	12:22	03:17:27.0	+41:24:19	300	90	3.0	#2 SN Observat	2	
0208-0217.BIAS	0	12:25	03:17:27.0	+41:24:19	300	90	3.0	#174 Cyg X-2	2	
0218-0232.FLAT	25	12:33	03:17:27.0	+41:24:19	300	90	3.0	#174 Cyg X-2	2	
0233-0237.DARK	900	13:45	03:17:27.0	+41:24:19	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>
0001-0010.BIAS	0	23:53	03:17:27.0	+41:24:19	300	90	3.0	#174 Cyg X-2	2	
0011-0025.FLAT	25	0:02	03:17:27.0	+41:24:19	300	90	3.0	#174 Cyg X-2	2	
0026-0029.DARK	900	0:51	03:17:27.0	+41:24:19	300	90	3.0	#174 Cyg X-2	2	
0030-0034.sky	3	1:27	18:25:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0035.COMP	10	1:27	18:25:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0036-0045.BIAS	0	1:35	18:25:00	32:00:00	300	90	3.0	#174 Cyg X-2	2	
0046.AGDra	1	2:09	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0047.AGDra	5	2:10	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0048.AGDra	5	2:11	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0049.COMP	10	2:12	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0050.CHCyg	1	2:13	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0051.CHCyg	5	2:14	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0052.CHCyg	5	2:15	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0053.COMP	10	2:16	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0054.BFCyg	2	2:18	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0055.BFCyg	10	2:18	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0056.BFCyg	10	2:19	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0057.COMP	10	2:19	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0058.CICyg	2	2:20	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0059.CICyg	1	2:21	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0060.CICyg	10	2:21	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0061.CICyg	30	2:22	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0062.COMP	10	2:23	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0063.18380767-2441365	363	2:27	18:38:07.6	-24:41:36	300	90	3.0	#141 Mapping t	2	stopped by clouds, redo
0064.COMP	10	2:34	18:38:07.6	-24:41:36	300	90	3.0	#141 Mapping t	2	
0065.PUVul	1	3:05	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0066.PUVul	5	3:05	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0067.PUVul	60	3:06	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic	2	
0068.COMP	10	3:08	20:21:13	21:34:21	300	90	3.0	#141 Mapping t	2	
0069.18380767-2441365	900	3:09	18:38:07.6	-24:41:36	300	90	3.0	#141 Mapping t	2	ok now it is done
0070.COMP	10	3:25	18:38:07.6	-24:41:36	300	90	3.0	#141 Mapping t	2	
0071.18480041-2305314	720	3:28	18:48:00.4	-23:05:31	300	90	3.0	#141 Mapping t	2	ok
0072.COMP	10	3:40	18:48:00.4	-23:05:31	300	90	3.0	#141 Mapping t	2	
0073.fmfa438	300	3:42	16:57:41.3	28:10:46	300	90	3.0	#171 Local Uni	2	clear skies now
0074.COMP	10	3:48	16:57:41.3	28:10:46	300	90	3.0	#171 Local Uni	2	
0075.fmfa439	420	3:48	16:58:37.3	28:40:58	300	90	3.0	#171 Local Uni	2	
0076.COMP	10	3:56	16:58:37.3	28:40:58	300	90	3.0	#171 Local Uni	2	
0077.fmfa440	540	3:57	16:58:52.6	28:18:07	300	80	3.0	#171 Local Uni	2	
0078.COMP	10	4:07	16:58:52.6	28:18:07	300	80	3.0	#171 Local Uni	2	
0079.fmfa441	600	4:07	16:59:00.3	27:05:31	300	80	3.0	#171 Local Uni	2	

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0080.COMP	10	4:18	16:59:00.3	27:05:31	300	80	3.0	#171 Local Uni	2	
0081.fmfa442	300	4:18	16:59:45.7	28:15:45	300	80	3.0	#171 Local Uni	2	
0082.COMP	10	4:24	16:59:45.7	28:15:45	300	80	3.0	#171 Local Uni	2	
0083.fmfa456	300	4:25	17:28:48.4	44:03:55	300	80	3.0	#171 Local Uni	2	
0084.COMP	10	4:30	17:28:48.4	44:03:55	300	80	3.0	#171 Local Uni	2	
0085.fmfa457	420	4:31	17:28:53.4	43:42:39	300	80	3.0	#171 Local Uni	2	
0086.COMP	10	4:38	17:28:53.4	43:42:39	300	80	3.0	#171 Local Uni	2	
0087.fmfa458	660	4:39	17:29:31.9	44:18:35	300	80	3.0	#171 Local Uni	2	
0088.COMP	10	4:50	17:29:31.9	44:18:35	300	80	3.0	#171 Local Uni	2	
0089.T-Lyr0-11958N	600	4:52	19:30:41.2	40:52:25	300	90	3.0	#99 Other	2	for Dave Latham
0090.COMP	10	5:02	19:30:41.2	40:52:25	300	90	3.0	#99 Other	2	
0091.SDSS2136+0041	1200	5:07	21:36:38.5	+00:41:54	300	15	3.0	#165 Quasar Br	2	
0092.COMP	10	5:28	21:36:38.5	+00:41:54	300	15	3.0	#165 Quasar Br	2	
0093.BDp284211	90	5:31	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0094.BDp284211	90	5:32	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0095.COMP	10	5:34	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0096.BDp174708	45	5:35	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0097.BDp174708	45	5:36	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0098.BDp174708	45	5:37	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0099.COMP	10	5:38	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	

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0100.SDSS2215-0045	1200	5:43	22:15:11.9	-00:45:49	300	16	3.0	#165 Quasar Br	2	
0101.COMP	10	6:04	22:15:11.9	-00:45:49	300	16	3.0	#165 Quasar Br	2	
0102.SDSS2215-0045	1200	6:05	22:15:11.9	-00:45:49	300	22	3.0	#165 Quasar Br	2	
0103.COMP	10	6:25	22:15:11.9	-00:45:49	300	22	3.0	#165 Quasar Br	2	
0104.SDSS2215-0045	1200	6:27	22:15:11.9	-00:45:49	300	29	3.0	#165 Quasar Br	2	
0105.COMP	10	6:47	22:15:11.9	-00:45:49	300	29	3.0	#165 Quasar Br	2	
0106.sn2006gr	1800	6:50	22:32:22.6	+30:49:43	300	90	3.0	#2 SN Observat	2	
0107.COMP	10	7:21	22:32:22.6	+30:49:43	300	90	3.0	#2 SN Observat	2	
0108.SDSS0045+1438	1200	7:24	00:45:27.6	+14:38:16	300	-7	3.0	#165 Quasar Br	2	
0109.COMP	10	7:44	00:45:27.6	+14:38:16	300	-7	3.0	#165 Quasar Br	2	
0110.SDSS0045+1438	1200	7:46	00:45:27.6	+14:38:16	300	7	3.0	#165 Quasar Br	2	
0111.COMP	10	8:06	00:45:27.6	+14:38:16	300	7	3.0	#165 Quasar Br	2	
0112.SDSS0045+1438	1200	8:07	00:45:27.6	+14:38:16	300	21	3.0	#165 Quasar Br	2	
0113.COMP	10	8:28	00:45:27.6	+14:38:16	300	21	3.0	#165 Quasar Br	2	
0114.sn2006gt	1800	8:31	00:56:17.3	-01:37:46	300	17	3.0	#2 SN Observat	2	
0115.COMP	10	9:01	00:56:17.3	-01:37:46	300	17	3.0	#2 SN Observat	2	
0116.225m280	240	9:04	00:41:45.1	+41:05:12	300	90	3.0	#57 Velocity S	2	
0117.COMP	10	9:09	00:41:45.1	+41:05:12	300	90	3.0	#57 Velocity S	2	
0118.Akn564	180	9:10	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0119.Akn564	180	9:13	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	

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0120.COMP	10	9:17	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0121.SDSS0132-0027	1200	9:19	01:32:35.2	-00:27:04	300	23	3.0	#165 Quasar Br	2	
0122.COMP	10	9:40	01:32:35.2	-00:27:04	300	23	3.0	#2 SN Observat	2	
0123.sn2006fo	1500	9:42	02:32:38.9	+00:37:03	300	8	3.0	#2 SN Observat	2	
0124.COMP	10	10:08	02:32:38.9	+00:37:03	300	8	3.0	#2 SN Observat	2	
0125.IPHASB_710	120	10:11	00:58:59.2	+63:26:03	300	90	3.0	#157 IPHAS	2	
0126.COMP	10	10:13	00:58:59.2	+63:26:03	300	90	3.0	#157 IPHAS	2	
0127.IPHASB_711	180	10:14	00:59:26.6	+65:11:57	300	90	3.0	#157 IPHAS	2	
0128.COMP	10	10:17	00:59:26.6	+65:11:57	300	90	3.0	#157 IPHAS	2	
0129.IPHASB_712	210	10:18	01:00:51.2	+64:13:27	300	90	3.0	#157 IPHAS	2	
0130.COMP	10	10:22	01:00:51.2	+64:13:27	300	90	3.0	#157 IPHAS	2	
0131.IPHASB_713	120	10:22	01:00:54.5	+64:37:29	300	90	3.0	#157 IPHAS	2	
0132.COMP	10	10:25	01:00:54.5	+64:37:29	300	90	3.0	#157 IPHAS	2	
0133.IPHASB_714	240	10:25	01:01:07.8	+63:32:27	300	90	3.0	#157 IPHAS	2	
0134.COMP	10	10:29	01:01:07.8	+63:32:27	300	90	3.0	#157 IPHAS	2	
0135.IPHASB_715	150	10:30	01:01:38.0	+64:13:49	300	90	3.0	#157 IPHAS	2	
0136.COMP	10	10:33	01:01:38.0	+64:13:49	300	90	3.0	#157 IPHAS	2	
0137.IPHASB_716	120	10:34	01:01:54.0	+62:03:32	300	90	3.0	#157 IPHAS	2	id ok, no H-alpha em
0138.COMP	10	10:36	01:01:54.0	+62:03:32	300	90	3.0	#157 IPHAS	2	
0139.IPHASB_717	210	10:37	01:08:41.1	+61:55:11	300	90	3.0	#157 IPHAS	2	

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0140.COMP	10	10:41	01:08:41.1	+61:55:11	300	90	3.0	#157 IPHAS	2	
0141.IPHASB_718	120	10:42	01:12:34.2	+63:04:32	300	90	3.0	#157 IPHAS	2	
0142.COMP	10	10:44	01:12:34.2	+63:04:32	300	90	3.0	#157 IPHAS	2	
0143.IPHASB_719	120	10:45	01:14:02.4	+62:57:35	300	90	3.0	#157 IPHAS	2	
0144.COMP	10	10:47	01:14:02.4	+62:57:35	300	90	3.0	#157 IPHAS	2	
0145.IPHASB_720	210	10:48	01:19:18.1	+64:22:33	300	90	3.0	#157 IPHAS	2	
0146.COMP	10	10:52	01:19:18.1	+64:22:33	300	90	3.0	#157 IPHAS	2	
0147.IPHASB_721	210	10:52	01:23:20.1	+63:58:30	300	90	3.0	#157 IPHAS	2	seeing blowing up
0148.COMP	10	10:56	01:23:20.1	+63:58:30	300	90	3.0	#157 IPHAS	2	
0149.IPHASB_722	210	10:57	01:23:58.0	+65:26:15	300	90	3.0	#157 IPHAS	2	
0150.COMP	10	11:01	01:23:58.0	+65:26:15	300	90	3.0	#157 IPHAS	2	
0151.IPHASB_723	120	11:01	01:24:16.8	+63:30:11	300	90	3.0	#157 IPHAS	2	
0152.COMP	10	11:04	01:24:16.8	+63:30:11	300	90	3.0	#157 IPHAS	2	
0153.IPHASB_724	120	11:04	01:25:40.5	+62:30:25	300	90	3.0	#157 IPHAS	2	
0154.COMP	10	11:06	01:25:40.5	+62:30:25	300	90	3.0	#157 IPHAS	2	
0155.IPHASB_725	120	11:07	01:26:34.6	+64:18:50	300	90	3.0	#157 IPHAS	2	
0156.COMP	10	11:09	01:26:34.6	+64:18:50	300	90	3.0	#157 IPHAS	2	
0157.IPHASB_726	180	11:10	01:27:03.2	+63:43:33	300	90	3.0	#157 IPHAS	2	
0158.COMP	10	11:13	01:27:03.2	+63:43:33	300	90	3.0	#157 IPHAS	2	
0159.IPHASB_727	180	11:14	01:27:45.0	+62:51:54	300	90	3.0	#157 IPHAS	2	

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0160.COMP	10	11:18	01:27:45.0	+62:51:54	300	90	3.0	#157 IPHAS	2	
0161.IPHASB_735	120	11:18	01:39:32.5	+64:53:02	300	90	3.0	#157 IPHAS	2	
0162.COMP	10	11:21	01:39:32.5	+64:53:02	300	90	3.0	#157 IPHAS	2	
0163.IPHASB_736	120	11:21	01:42:38.7	+63:37:53	300	90	3.0	#157 IPHAS	2	
0164.COMP	10	11:24	01:42:38.7	+63:37:53	300	90	3.0	#157 IPHAS	2	
0165.IPHASB_737	120	11:24	01:42:44.8	+62:30:56	300	90	3.0	#157 IPHAS	2	
0166.COMP	10	11:26	01:42:44.8	+62:30:56	300	90	3.0	#157 IPHAS	2	
0167.IPHASB_738	120	11:27	01:43:22.1	+64:01:18	300	90	3.0	#157 IPHAS	2	target at row 82
0168.COMP	10	11:29	01:43:22.1	+64:01:18	300	90	3.0	#157 IPHAS	2	
0169.IPHASB_739	150	11:30	01:43:37.2	+65:36:07	300	90	3.0	#157 IPHAS	2	no em, id ok
0170.COMP	10	11:33	01:43:37.2	+65:36:07	300	90	3.0	#157 IPHAS	2	
0171.IPHASB_740	180	11:34	01:44:58.1	+63:32:44	300	90	3.0	#157 IPHAS	2	
0172.COMP	10	11:37	01:44:58.1	+63:32:44	300	90	3.0	#157 IPHAS	2	
0173.IPHASB_741	120	11:38	01:44:58.2	+62:52:45	300	90	3.0	#157 IPHAS	2	
0174.COMP	10	11:40	01:44:58.2	+62:52:45	300	90	3.0	#157 IPHAS	2	
0175.IPHASB_742	180	11:41	01:45:19.0	+63:35:59	300	90	3.0	#157 IPHAS	2	
0176.COMP	10	11:44	01:45:19.0	+63:35:59	300	90	3.0	#157 IPHAS	2	
0177.IPHASB_743	120	11:45	01:45:39.6	+61:12:59	300	90	3.0	#157 IPHAS	2	
0178.COMP	10	11:47	01:45:39.6	+61:12:59	300	90	3.0	#157 IPHAS	2	
0179.IPHASB_744	300	11:48	01:46:02.1	+61:15:02	300	90	3.0	#157 IPHAS	2	



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0180.COMP	10	11:53	01:46:02.1	+61:15:02	300	90	3.0	#157 IPHAS	2	
0181.IPHASB_745	180	11:54	01:46:59.6	+61:12:29	300	90	3.0	#157 IPHAS	2	
0182.COMP	10	11:57	01:46:59.6	+61:12:29	300	90	3.0	#157 IPHAS	2	
0183.IPHASB_746	150	11:58	01:48:07.0	+63:16:13	300	90	3.0	#157 IPHAS	2	
0184.COMP	10	12:01	01:48:07.0	+63:16:13	300	90	3.0	#157 IPHAS	2	
0185.IPHASB_747	180	12:01	01:48:43.3	+64:28:54	300	90	3.0	#157 IPHAS	2	
0186.COMP	10	12:05	01:48:43.3	+64:28:54	300	90	3.0	#157 IPHAS	2	
0187.IPHASB_748	180	12:05	01:49:05.2	+62:49:12	300	90	3.0	#157 IPHAS	2	
0188.COMP	10	12:09	01:49:05.2	+62:49:12	300	90	3.0	#157 IPHAS	2	
0189.IPHASB_749	210	12:10	01:50:22.9	+65:27:43	300	90	3.0	#157 IPHAS	2	
0190.COMP	10	12:13	01:50:22.9	+65:27:43	300	90	3.0	#157 IPHAS	2	
0191.IPHASB_755	120	12:14	01:53:14.5	+62:02:41	300	90	3.0	#157 IPHAS	2	
0192.COMP	10	12:16	01:53:14.5	+62:02:41	300	90	3.0	#157 IPHAS	2	
0193.IPHASB_756	180	12:17	01:53:29.1	+64:31:28	300	90	3.0	#157 IPHAS	2	
0194.COMP	10	12:20	01:53:29.1	+64:31:28	300	90	3.0	#157 IPHAS	2	
0195.HD12623	5	12:21	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	2	
0196.HD12623	5	12:22	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	2	
0197.HD12623	5	12:22	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	2	
0198.COMP	10	12:22	02:02:19	+62:56:04	300	90	3.0	#57 Velocity S	2	
0199-0208.BIAS	0	12:26	02:02:19	+62:56:04	300	90	3.0	#157 IPHAS	2	

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0209-0223.FLAT	25	12:34	02:02:19	+62:56:04	300	90	3.0	#157 IPHAS	2	
0224-0228.DARK	900	13:46	02:02:19	+62:56:04	300	90	3.0	#157 IPHAS	2	

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0001-0010.BIAS	0	23:30	16:13:17.3	+31:30:47	300	90	3.0	#157 IPHAS	2	
0011-0025.FLAT	25	23:40	16:13:17.3	+31:30:47	300	90	3.0	#157 IPHAS	2	
0031-0035.DARK	900	1:44	16:13:17.3	+31:30:47	300	90	3.0	#157 IPHAS	2	
0036.FLAT	25	2:10	16:13:17.3	+31:30:47	300	90	3.0	#157 IPHAS	2	bad
0037-0047.FLAT	25	2:18	16:13:17.3	+31:30:47	300	90	3.0	#157 IPHAS	2	
0048-0057.BIAS	0	2:20	16:13:17.3	+31:30:47	300	90	3.0	#157 IPHAS	4	
0058-0067.FLAT	12	2:23	16:13:17.3	+31:30:47	300	90	3.0	#157 IPHAS	4	
0068.BDp284211	90	2:27	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	4	
0069.COMP	5	2:29	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	4	
0070.BDp284211	90	2:30	21:51:11.1	28:51:53	300	104	3.0	#56 Spectropho	2	
0071.COMP	12	2:32	21:51:11.1	28:51:53	300	104	3.0	#56 Spectropho	2	
0072.BDp284211	60	2:34	21:51:11.1	28:51:53	300	104	3.0	#56 Spectropho	2	
0073.COMP	12	2:36	21:51:11.1	28:51:53	300	104	3.0	#56 Spectropho	2	
0074.BDp174708	40	2:38	22:11:31.4	18:05:33	300	110	3.0	#56 Spectropho	2	
0075.COMP	12	2:39	22:11:31.4	18:05:33	300	110	3.0	#56 Spectropho	2	
0076.BDp174708	45	2:41	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0077.COMP	12	2:42	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0078.BDp174708	45	2:43	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	4	
0079.COMP	5	2:44	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	4	
0080.sn2006gz	1500	2:49	18:10:26.3	30:59:44	300	82	3.0	#2 SN Observat	2	row=89

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0081.COMP	12	3:14	18:10:26.3	30:59:44	300	82	3.0	#2 SN Observat	2	
0082.3C390.3	300	3:21	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0083.3C390.3	300	3:26	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0084.3C390.3	300	3:31	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0085.COMP	12	3:37	18:42:09.0	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0086.MRK509	180	3:42	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0087.MRK509	180	3:45	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0088.COMP	12	3:50	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0089.sn2006gr	1800	3:56	22:32:22.6	+30:49:43	300	99	3.0	#2 SN Observat	2	
0090.COMP	12	4:27	22:32:22.6	+30:49:43	300	99	3.0	#2 SN Observat	2	
0091.sn2006ha	1800	4:32	22:58:34.3	15:10:25	300	-29	3.0	#2 SN Observat	2	
0092.COMP	12	5:03	22:58:34.3	15:10:25	300	-29	3.0	#2 SN Observat	2	
0093.SDSS2215-0045	1200	5:10	22:15:11.9	-00:45:49	300	90	3.0	#165 Quasar Br	2	
0094.COMP	12	5:31	22:15:11.9	-00:45:49	300	90	3.0	#165 Quasar Br	2	
0095.SDSS2215-0045	1200	5:32	22:15:11.9	-00:45:49	300	90	3.0	#165 Quasar Br	2	
0096.COMP	12	5:52	22:15:11.9	-00:45:49	300	90	3.0	#165 Quasar Br	2	
0097.SDSS2215-0045	1200	5:53	22:15:11.9	-00:45:49	300	90	3.0	#165 Quasar Br	2	
0098.COMP	12	6:14	22:15:11.9	-00:45:49	300	90	3.0	#165 Quasar Br	2	
0099.SDSS0045+1438	1200	6:19	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0100.COMP	12	6:40	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	

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0101.SDSS0045+1438	1200	6:41	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0102.COMP	12	7:01	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0103.SDSS2136+0041	1200	7:04	21:36:38.5	+00:41:54	300	90	3.0	#165 Quasar Br	2	
0104.COMP	12	7:25	21:36:38.5	+00:41:54	300	90	3.0	#165 Quasar Br	2	
0105.SDSS0045+1438	1200	7:28	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0106.COMP	12	7:49	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0107.SDSS0132-0027	1200	7:52	01:32:35.2	-00:27:04	300	90	3.0	#165 Quasar Br	2	
0108.COMP	12	8:13	01:32:35.2	-00:27:04	300	90	3.0	#165 Quasar Br	2	
0109.ZAnd	1	8:17	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0110.ZAnd	5	8:17	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0111.ZAnd	30	8:18	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0112.COMP	12	8:19	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0113.RAqr	0	8:22	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0114.RAqr	0	8:23	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0115.RAqr	2	8:23	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0116.RAqr	10	8:24	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0117.COMP	12	8:25	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0118.EGAnd	1	8:28	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0119.EGAnd	5	8:29	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0120.EGAnd	10	8:29	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	

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0121.COMP	12	8:30	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0122.AXPer	4	8:33	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0123.AXPer	30	8:34	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0124.AXPer	90	8:35	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0125.COMP	12	8:37	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0126.fmfa028	420	8:41	01:05:06.1	33:00:48	300	90	3.0	#171 Local Uni	2	
0127.COMP	12	8:49	01:05:06.1	33:00:48	300	90	3.0	#171 Local Uni	2	
0128.fmfa029	420	8:51	01:05:47.1	31:22:58	300	90	3.0	#171 Local Uni	2	
0129.COMP	12	8:59	01:05:47.1	31:22:58	300	90	3.0	#171 Local Uni	2	
0130.fmfa030	420	9:03	01:05:51.8	33:49:29	300	90	3.0	#171 Local Uni	2	
0131.COMP	12	9:11	01:05:51.8	33:49:29	300	90	3.0	#171 Local Uni	2	
0132.fmfa031	420	9:13	01:05:57.1	31:02:06	300	90	3.0	#171 Local Uni	2	
0133.COMP	12	9:21	01:05:57.1	31:02:06	300	90	3.0	#171 Local Uni	2	
0134.fmfa032	420	9:23	01:07:03.2	33:32:29	300	90	3.0	#171 Local Uni	2	
0135.COMP	12	9:30	01:07:03.2	33:32:29	300	90	3.0	#171 Local Uni	2	
0136.fmfa033	420	9:32	01:07:11.6	31:05:00	300	90	3.0	#171 Local Uni	2	
0137.COMP	12	9:39	01:07:11.6	31:05:00	300	90	3.0	#171 Local Uni	2	
0138.fmfa034	900	9:41	01:07:37.0	32:56:21	300	90	3.0	#171 Local Uni	2	
0139.COMP	12	9:57	01:07:37.0	32:56:21	300	90	3.0	#171 Local Uni	2	
0140.sn2006fo	1200	10:06	02:32:38.9	+00:37:03	300	13	3.0	#2 SN Observat	2	

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0141.COMP	12	10:27	02:32:38.9	+00:37:03	300	13	3.0	#2 SN Observat	2	
0142.fmfa035	1020	10:39	01:08:39.6	33:32:50	300	89	3.0	#171 Local Uni	2	
0143.COMP	12	10:57	01:08:39.6	33:32:50	300	89	3.0	#171 Local Uni	2	
0144.fmfa036	420	10:58	01:09:57.7	32:44:05	300	89	3.0	#171 Local Uni	2	
0145.COMP	12	11:06	01:09:57.7	32:44:05	300	89	3.0	#171 Local Uni	2	
0146.fmfa149	1200	11:09	03:35:23.0	9:43:12	300	89	3.0	#171 Local Uni	2	
0147.COMP	12	11:30	03:35:23.0	9:43:12	300	89	3.0	#171 Local Uni	2	
0148.fmfa150	1500	11:33	03:35:36.0	9:46:54	300	89	3.0	#171 Local Uni	2	
0149.COMP	12	12:00	03:35:36.0	9:46:54	300	89	3.0	#171 Local Uni	2	
0150.sn2006hb	780	12:12	05:02:01.2	-21:07:55	300	2	3.0	#2 SN Observat	2	
0151.COMP	12	12:25	05:02:01.2	-21:07:55	300	2	3.0	#2 SN Observat	2	
0152.sn2006hb	10	12:27	5:35:14	-05:23:38	300	2	3.0	# 99 Other	2	
0153.sn2006hb	5	12:29	5:35:14	-05:23:38	300	2	3.0	# 99 Other	2	For Nelson (Orion Nebula)
0154.sn2006hb	5	12:30	5:35:14	-05:23:38	300	2	3.0	# 99 Other	2	
0155.sn2006hb	1	12:31	5:35:14	-05:23:38	300	2	3.0	# 99 Other	2	
0156.COMP	12	12:31	5:35:14	-05:23:38	300	2	3.0	# 99 Other	2	
0157-0166.BIAS	0	12:38	5:35:14	-05:23:38	300	90	3.0	# 99 Other	4	
0167.FLAT	12	12:39	5:35:14	-05:23:38	300	90	3.0	# 99 Other	4	bad
0168-0177.FLAT	12	12:43	5:35:14	-05:23:38	300	90	3.0	# 99 Other	4	
0178-0187.BIAS	0	12:45	5:35:14	-05:23:38	300	90	3.0	# 99 Other	2	

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0188-0207.FLAT	25	12:58	5:35:14	-05:23:38	300	90	3.0	# 99 Other	2	
0208-0209.DARK	900	13:17	5:35:14	-05:23:38	300	90	3.0	# 99 Other	4	
0210-0219.DARK	900	15:51	5:35:14	-05:23:38	300	90	3.0	# 99 Other	2	



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0001-0010.DARK	900	1:03	15:48:44.7	+31:30:59	300	90	3.0	All	4	
0011-0020.BIAS	0	1:19	15:48:44.7	+31:30:59	300	90	3.0	All	4	
0021-0030.FLAT	12	1:23	15:48:44.7	+31:30:59	300	90	3.0	All	4	
0031-0040.BIAS	0	1:26	15:48:44.7	+31:30:59	300	90	3.0	All	2	
0041-0060.FLAT	25	1:39	15:48:44.7	+31:30:59	300	90	3.0	All	2	
0061.AGDra	2	2:05	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	hazy...
0062.AGDra	15	2:06	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0063.AGDra	45	2:06	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0064.COMP	12	2:08	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0065.sn2006gz	1800	2:11	18:10:26.3	30:59:44	300	97	3.0	#2 SN Observat	2	
0066.COMP	12	2:42	18:10:26.3	30:59:44	300	97	3.0	#2 SN Observat	2	
0067.sn2006gr	1800	2:46	22:32:22.6	+30:49:43	300	102	3.0	#2 SN Observat	2	
0068.COMP	12	3:17	22:32:22.6	+30:49:43	300	102	3.0	#2 SN Observat	2	
0069.SDSS2136+0041	1500	3:19	21:36:38.5	+00:41:54	300	90	3.0	#165 Quasar Br	2	
0070.COMP	12	3:45	21:36:38.5	+00:41:54	300	90	3.0	#165 Quasar Br	2	
0071.SDSS2215-0045	1200	3:52	22:15:11.9	-00:45:49	300	90	3.0	#165 Quasar Br	2	
0072.COMP	12	4:13	22:15:11.9	-00:45:49	300	90	3.0	#165 Quasar Br	2	
0073.SDSS2215-0045	1200	4:14	22:15:11.9	-00:45:49	300	90	3.0	#165 Quasar Br	2	
0074.COMP	12	4:35	22:15:11.9	-00:45:49	300	90	3.0	#165 Quasar Br	2	
0075.SDSS2215-0045	1200	4:35	22:15:11.9	-00:45:49	300	90	3.0	#165 Quasar Br	2	

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0076.COMP	12	4:56	22:15:11.9	-00:45:49	300	90	3.0	#165 Quasar Br	2	
0077.SDSS0045+1438	1200	4:59	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0078.COMP	12	5:20	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0079.SDSS0045+1438	1500	5:21	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0080.COMP	12	5:47	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0081.SDSS0045+1438	1500	5:47	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0082.COMP	12	6:13	00:45:27.6	+14:38:16	300	90	3.0	#165 Quasar Br	2	
0083.SDSS0132-0027	1500	6:14	01:32:35.2	-00:27:04	300	90	3.0	#165 Quasar Br	2	
0084.COMP	12	6:40	01:32:35.2	-00:27:04	300	90	3.0	#165 Quasar Br	2	
0085.BDp284211	70	6:43	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0086.BDp284211	70	6:44	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0087.COMP	12	6:46	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0088.BDp174708	45	6:47	22:11:31.4	18:05:33	300	55	3.0	#56 Spectropho	2	
0089.BDp174708	45	6:48	22:11:31.4	18:05:33	300	55	3.0	#56 Spectropho	2	
0090.COMP	12	6:50	22:11:31.4	18:05:33	300	55	3.0	#56 Spectropho	2	
0091.M31	60	6:52	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0092.M31	60	6:53	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0093.COMP	12	6:55	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0094.bcand975	720	7:04	1:04:11.0	0:21:49	600	90	2.0	#166 Hyper Vel	4	
0095.COMP	10	7:16	1:04:11.0	0:21:49	600	90	2.0	#166 Hyper Vel	4	

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0096.bcand976	1260	7:18	1:34:41.7	-9:58:01	600	90	2.0	#166 Hyper Vel	4	
0097.COMP	10	7:40	1:34:41.7	-9:58:01	600	90	2.0	#166 Hyper Vel	4	
0098.bcand977	1260	7:41	1:58:42.5	-10:12:59	600	90	2.0	#166 Hyper Vel	4	
0099.COMP	10	8:03	1:58:42.5	-10:12:59	600	90	2.0	#166 Hyper Vel	4	
0100.bcand978	540	8:04	2:05:07.7	-7:47:27	600	90	2.0	#166 Hyper Vel	4	
0101.COMP	10	8:13	2:05:07.7	-7:47:27	600	90	2.0	#166 Hyper Vel	4	
0102.bcand979	1320	8:14	2:16:16.6	-0:19:01	600	90	2.0	#166 Hyper Vel	4	
0103.COMP	10	8:37	2:16:16.6	-0:19:01	600	90	2.0	#166 Hyper Vel	4	
0104.bcand980	840	8:39	2:30:32.6	-8:14:39	600	105	2.0	#166 Hyper Vel	4	
0105.COMP	10	8:53	2:30:32.6	-8:14:39	600	105	2.0	#166 Hyper Vel	4	
0106.bcand981	1020	8:55	2:47:46.3	0:03:31	600	90	2.0	#166 Hyper Vel	4	
0107.COMP	10	9:12	2:47:46.3	0:03:31	600	90	2.0	#166 Hyper Vel	4	
0108.bcand982	660	9:15	2:54:50.0	-8:27:45	600	90	2.0	#166 Hyper Vel	4	
0109.COMP	10	9:26	2:54:50.0	-8:27:45	600	90	2.0	#166 Hyper Vel	4	
0110.Feige24	90	9:28	02:35:07.3	03:43:55	600	90	2.0	#56 Spectropho	4	
0111.COMP	10	9:30	02:35:07.3	03:43:55	600	90	2.0	#56 Spectropho	4	
0112-0121.FLAT	45	9:40	02:35:07.3	03:43:55	600	90	2.0	#56 Spectropho	4	
0122.COMP	5	9:43	02:35:07.3	03:43:55	300	90	3.0	#56 Spectropho	4	
0123.COMP	5	9:45	02:35:07.3	03:43:55	300	90	3.0	#56 Spectropho	4	
0124.COMP	5	9:46	02:35:07.3	03:43:55	300	90	3.0	#56 Spectropho	4	

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0125.Phaethon	300	10:14	3:46:9.7	76:28:21	300	0	3.0	#173 Small Sol	2	swept star
0126.COMP	12	10:19	3:46:9.7	76:28:21	300	0	3.0	#173 Small Sol	2	
0127.Phaethon	420	10:20	3:46:9.7	76:28:21	300	0	3.0	#173 Small Sol	2	clouds
0128.COMP	12	10:27	3:46:9.7	76:28:21	300	0	3.0	#173 Small Sol	2	
0129.Phaethon	540	10:28	3:46:9.7	76:28:21	300	0	3.0	#173 Small Sol	2	
0130.COMP	12	10:38	3:46:9.7	76:28:21	300	0	3.0	#173 Small Sol	2	
0131.Phaethon	600	10:39	3:46:9.7	76:28:21	300	0	3.0	#173 Small Sol	2	
0132.COMP	12	10:49	3:46:9.7	76:28:21	300	0	3.0	#173 Small Sol	2	
0133.HD23650	45	10:55	03:49:34.9	+58:46:05	300	0	3.0	#173 Small Sol	2	
0134.COMP	12	10:56	03:49:34.9	+58:46:05	300	0	3.0	#173 Small Sol	2	
0135.Phaethon	600	10:59	3:45:15.4	76:28:06	300	0	3.0	#173 Small Sol	2	
0136.COMP	12	11:09	3:45:15.4	76:28:06	300	0	3.0	#173 Small Sol	2	
0137.Phaethon	600	11:10	3:45:15.4	76:28:06	300	0	3.0	#173 Small Sol	2	
0138.COMP	12	11:21	3:45:15.4	76:28:06	300	0	3.0	#173 Small Sol	2	
0139.Phaethon	600	11:21	3:45:15.4	76:28:06	300	0	3.0	#173 Small Sol	2	
0140.COMP	12	11:32	3:45:15.4	76:28:06	300	0	3.0	#173 Small Sol	2	
0141.HD23650	45	11:34	03:49:34.9	+58:46:05	300	0	3.0	#173 Small Sol	2	
0142.COMP	12	11:35	03:49:34.9	+58:46:05	300	0	3.0	#173 Small Sol	2	
0143.Phaethon	600	11:43	3:45:15.3	76:28:5	300	0	3.0	#173 Small Sol	2	
0144.COMP	12	11:54	3:45:15.3	76:28:5	300	0	3.0	#173 Small Sol	2	

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0145.Phaethon	600	11:55	3:45:15.3	76:28:5	300	0	3.0	#173 Small Sol	2	
0146.COMP	12	12:05	3:45:15.3	76:28:5	300	0	3.0	#173 Small Sol	2	
0147.sn2006hb	1020	12:08	05:02:01.2	-21:07:55	300	0	3.0	#2 SN Observat	2	
0148.COMP	12	12:26	05:02:01.2	-21:07:55	300	0	3.0	#2 SN Observat	2	
0149-0158.BIAS	0	12:32	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0159-0168.FLAT	12	12:42	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0169-0178.BIAS	0	12:49	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0179-0198.FLAT	25	13:04	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0199-0208.DARK	900	15:26	06:45:13.4	02:08:14	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.DARK	900	23:16	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	binby4
0002-0010.DARK	900	1:33	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0011.BIAS	0	1:49	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	binby4
0012-0020.BIAS	0	1:50	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0021.FLAT	12	1:51	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	binby4
0022-0030.FLAT	12	1:54	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	4	
0031.BIAS	0	1:54	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	binby2
0032-0040.BIAS	0	1:56	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0041.FLAT	25	1:56	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	binby2
0042-0060.FLAT	25	2:07	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0061.DracoC1	1200	2:13	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0062.COMP	12	2:33	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0063.RSOph	10	2:36	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0064.RSOph	60	2:37	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0065.RSOph	150	2:38	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0066.COMP	12	2:41	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0067.BFCyg	1	2:43	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0068.BFCyg	60	2:43	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0069.COMP	12	2:45	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0070.CHCyg	1	2:46	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0071.CHCyg	5	2:46	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0072.CHCyg	30	2:47	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0073.COMP	12	2:48	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0074.CICyg	2	2:49	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0075.CICyg	20	2:49	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0076.CICyg	60	2:50	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0077.COMP	12	2:51	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0078.sn2006gz	1800	2:54	18:10:26.3	30:59:44	300	81	3.0	#2 SN Observat	2	row=80
0079.COMP	12	3:25	18:10:26.3	30:59:44	300	81	3.0	#2 SN Observat	2	
0080.S333.8051M00.8081	720	3:28	22:15:13.2	-00:48:29	300	90	3.0	#129 CHAMP Sou	2	
0081.COMP	12	3:43	22:15:13.2	-00:48:29	300	90	3.0	#129 CHAMP Sou	2	
0082.S333.8050M00.8241	300	3:45	22:15:13.2	-00:49:26	300	90	3.0	#129 CHAMP Sou	2	
0083.COMP	12	3:50	22:15:13.2	-00:49:26	300	90	3.0	#129 CHAMP Sou	2	
0084.S333.8201M00.8583	1200	3:52	22:15:16.8	-00:51:30	300	90	3.0	#129 CHAMP Sou	2	
0085.COMP	12	4:12	22:15:16.8	-00:51:30	300	90	3.0	#129 CHAMP Sou	2	
0086.S334.0389P00.1881	600	4:15	22:16:09.3	+00:11:17	300	90	3.0	#129 CHAMP Sou	2	
0087.COMP	12	4:25	22:16:09.3	+00:11:17	300	90	3.0	#129 CHAMP Sou	2	
0088.S334.1911P00.3331	480	4:27	22:16:45.8	+00:19:59	300	90	3.0	#129 CHAMP Sou	2	
0089.COMP	12	4:35	22:16:45.8	+00:19:59	300	90	3.0	#129 CHAMP Sou	2	
0090.S359.1911M01.0271	1800	4:39	23:56:45.8	-01:01:37	300	90	3.0	#129 CHAMP Sou	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091.COMP	12	5:10	23:56:45.8	-01:01:37	300	90	3.0	#129 CHAMP Sou	2	
0092.S349.6116P00.6396	1800	5:13	23:18:26.8	+00:38:22	300	90	3.0	#129 CHAMP Sou	2	row=77, too faint to try again
0093.COMP	12	5:50	23:18:26.8	+00:38:22	300	90	3.0	#129 CHAMP Sou	2	
0094.S349.5990P00.6685	1800	5:53	23:18:23.7	+00:40:06	300	90	3.0	#129 CHAMP Sou	2	
0095.COMP	12	6:24	23:18:23.7	+00:40:06	300	90	3.0	#129 CHAMP Sou	2	
0096.S334.2065P00.2529	60	6:26	22:16:49.5	+00:15:10	300	90	3.0	#129 CHAMP Sou	2	
0097.COMP	12	6:27	22:16:49.5	+00:15:10	300	90	3.0	#129 CHAMP Sou	2	
0098.S334.2065P00.2529	20	6:29	22:16:49.5	+00:15:10	300	90	3.0	#129 CHAMP Sou	2	
0099.COMP	12	6:30	22:16:49.5	+00:15:10	300	90	3.0	#129 CHAMP Sou	2	
0100.S349.5847P00.5249	10	6:31	23:18:20.3	+00:31:29	300	90	3.0	#129 CHAMP Sou	2	
0101.COMP	12	6:32	23:18:20.3	+00:31:29	300	90	3.0	#129 CHAMP Sou	2	
0102.S349.5779P00.6452	150	6:33	23:18:18.7	+00:38:43	300	90	3.0	#129 CHAMP Sou	2	
0103.COMP	12	6:36	23:18:18.7	+00:38:43	300	90	3.0	#129 CHAMP Sou	2	
0104.BDp284211	70	6:38	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0105.COMP	12	6:39	21:51:11.1	28:51:53	300	76	3.0	#56 Spectropho	2	
0106.BDp174708	40	6:41	22:11:31.4	18:05:33	300	54	3.0	#56 Spectropho	2	
0107.COMP	12	6:42	22:11:31.4	18:05:33	300	54	3.0	#56 Spectropho	2	
0108.M31	60	6:46	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0109.COMP	12	6:47	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0110.sn2006gr	1800	6:49	22:32:22.6	+30:49:43	300	82	3.0	#2 SN Observat	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0111.COMP	12	7:30	22:32:22.6	+30:49:43	300	82	3.0	#2 SN Observat	2	
0112.00074398+5339324	300	7:33	00:07:43.9	+53:39:32	300	90	3.0	#141 Mapping t	2	need more counts
0113.COMP	12	7:39	00:07:43.9	+53:39:32	300	90	3.0	#141 Mapping t	2	
0114.00074398+5339324	600	7:40	00:07:43.9	+53:39:32	300	90	3.0	#141 Mapping t	2	
0115.COMP	12	7:50	00:07:43.9	+53:39:32	300	90	3.0	#141 Mapping t	2	
0116.00080893+5307441	1020	7:52	00:08:08.9	+53:07:44	300	90	3.0	#141 Mapping t	2	
0117.COMP	12	8:09	00:08:08.9	+53:07:44	300	90	3.0	#141 Mapping t	2	
0118.bcand983	1440	8:16	3:22:17.8	-5:59:55	600	90	2.0	#166 Hyper Vel	4	
0119.COMP	10	8:41	3:22:17.8	-5:59:55	600	90	2.0	#166 Hyper Vel	4	
0120.bcand984	1800	8:42	3:23:02.8	0:05:59	600	90	2.0	#166 Hyper Vel	4	
0121.COMP	10	9:13	3:23:02.8	0:05:59	600	90	2.0	#166 Hyper Vel	4	
0122.bcand985	1800	9:15	3:26:19.4	0:18:17	600	90	2.0	#166 Hyper Vel	4	
0123.COMP	10	9:46	3:26:19.4	0:18:17	600	90	2.0	#166 Hyper Vel	4	
0124.Feige24	180	9:48	02:35:07.3	03:43:55	600	90	2.0	#56 Spectropho	4	
0125.COMP	10	9:51	02:35:07.3	03:43:55	600	90	2.0	#56 Spectropho	4	
0126-0135.FLAT	45	10:01	02:35:07.3	03:43:55	600	90	2.0	#56 Spectropho	4	
0136.COMP	5	10:06	02:35:07.3	03:43:55	300	90	3.0	#56 Spectropho	4	test
0139.S031.6822P12.3143	1800	10:55	02:06:43.7	+12:18:51	300	90	3.0	#129 CHAMP Sou	2	clouds, but wee bit of signal, good?
0140.COMP	12	11:26	02:06:43.7	+12:18:51	300	90	3.0	#129 CHAMP Sou	2	
0141.04023597+4141349	360	11:30	04:02:35.9	+41:41:34	300	90	3.0	#141 Mapping t	2	

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0142.COMP	12	11:37	04:02:35.9	+41:41:34	300	90	3.0	#141 Mapping t	2	
0143.04035708+4147010	600	11:38	04:03:57.0	+41:47:01	300	90	3.0	#141 Mapping t	2	
0144.COMP	12	11:48	04:03:57.0	+41:47:01	300	90	3.0	#141 Mapping t	2	
0145.sn2006hb	1200	11:53	05:02:01.2	-21:07:55	300	0	3.0	#2 SN Observat	2	
0146.COMP	12	12:13	05:02:01.2	-21:07:55	300	0	3.0	#2 SN Observat	2	
0147.Akn120	300	12:21	05:13:38.0	-00:12:15	300	80	3.0	#6 AGN Monitor	2	
0148.COMP	12	12:27	05:13:38.0	-00:12:15	300	80	3.0	#6 AGN Monitor	2	
0149.Hiltner600	30	12:29	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0150.COMP	12	12:30	06:45:13.4	02:08:14	300	90	3.0	#56 Spectropho	2	
0151.BIAS	0	12:32	06:45:13.4	02:08:14	300	90	3.0	#129 CHAMP Sou	4	binby4
0152-0160.BIAS	0	12:33	06:45:13.4	02:08:14	300	90	3.0	#129 CHAMP Sou	4	
0161.FLAT	12	12:34	06:45:13.4	02:08:14	300	90	3.0	#129 CHAMP Sou	4	binby4
0162-0170.FLAT	12	12:37	06:45:13.4	02:08:14	300	90	3.0	#129 CHAMP Sou	4	
0171.BIAS	0	12:38	06:45:13.4	02:08:14	300	90	3.0	#129 CHAMP Sou	2	binby2
0172-0180.BIAS	0	12:40	06:45:13.4	02:08:14	300	90	3.0	#129 CHAMP Sou	2	
0181.FLAT	24	12:43	06:45:13.4	02:08:14	300	90	3.0	#129 CHAMP Sou	2	binby2
0182-0200.FLAT	24	12:53	06:45:13.4	02:08:14	300	90	3.0	#129 CHAMP Sou	2	
0201.DARK	900	13:00	06:45:13.4	02:08:14	300	90	3.0	#129 CHAMP Sou	2	binby2
0202-0209.DARK	900	15:03	06:45:13.4	02:08:14	300	90	3.0	#129 CHAMP Sou	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>
0001-0010.DARK	900	0:23	15:15:50.8	+31:31:15	300	90	3.0	#129 CHAMP Sou	4	
0011-0020.BIAS	0	1:08	15:15:50.8	+31:31:15	300	90	3.0	#129 CHAMP Sou	4	
0021.FLAT	0	1:08	15:15:50.8	+31:31:15	300	90	3.0	#129 CHAMP Sou	4	junk
0022-0040.FLAT	0	1:08	15:15:50.8	+31:31:15	300	90	3.0	#129 CHAMP Sou	4	
0041.FLAT	12	1:15	15:15:50.8	+31:31:15	300	90	3.0	#129 CHAMP Sou	4	
0042.FLAT	12	1:18	15:15:50.8	+31:31:15	300	90	3.0	#129 CHAMP Sou	4	junk
0043-0047.FLAT	0	1:18	15:15:50.8	+31:31:15	300	90	3.0	#129 CHAMP Sou	4	
0048-0059.FLAT	12	1:37	15:15:50.8	+31:31:15	300	90	3.0	#129 CHAMP Sou	4	
0060-0069.BIAS	0	1:40	15:15:50.8	+31:31:15	300	90	3.0	#129 CHAMP Sou	2	
0070-0079.FLAT	12	1:44	15:15:50.8	+31:31:15	300	90	3.0	#129 CHAMP Sou	2	
0080.Hiltner600	12	1:51	15:15:50.8	+31:31:15	300	90	3.0	#129 CHAMP Sou	2	
0081.Hiltner600	12	1:53	15:15:50.8	+31:31:15	300	90	3.0	#129 CHAMP Sou	2	
0082.COMP	12	1:55	15:15:50.8	+31:31:15	300	90	3.0	#129 CHAMP Sou	2	
0083.BDp404032	1	2:03	20:08:24.1	41:15:04	300	90	3.0	#56 Spectropho	2	
0084.fmfa463	300	2:24	17:31:15.9	44:35:41	300	90	3.0	#171 Local Uni	2	
0085.fmfa463	420	2:29	17:31:15.9	44:35:41	300	90	3.0	#171 Local Uni	2	
0086.COMP	12	2:37	17:31:15.9	44:35:41	300	90	3.0	#171 Local Uni	2	
0087.fmfa464	420	2:40	17:31:25.8	43:21:04	300	90	3.0	#171 Local Uni	2	
0088.COMP	12	2:48	17:31:25.8	43:21:04	300	90	3.0	#171 Local Uni	2	
0089.fmfa465	480	2:50	17:31:30.8	42:55:20	300	90	3.0	#171 Local Uni	2	

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0090.fmfa465	600	3:00	17:31:30.8	42:55:20	300	90	3.0	#171 Local Uni	2	
0091.COMP	12	3:10	17:31:30.8	42:55:20	300	90	3.0	#171 Local Uni	2	
0092.sn2006gz	1500	3:15	18:10:26.3	30:59:44	300	80	3.0	#2 SN Observat	2	
0093.COMP	12	3:41	18:10:26.3	30:59:44	300	80	3.0	#2 SN Observat	2	
0094.fmfa511	900	3:46	21:13:47.3	2:28:34	300	90	3.0	#171 Local Uni	2	
0095.COMP	12	4:01	21:13:47.3	2:28:34	300	90	3.0	#171 Local Uni	2	
0096.fmfa512	1500	4:05	21:14:04.2	2:25:51	300	45	3.0	#171 Local Uni	2	
0097.COMP	12	4:30	21:14:04.2	2:25:51	300	45	3.0	#171 Local Uni	2	
0098.fmfa513	420	4:34	21:14:31.9	2:36:15	300	90	3.0	#171 Local Uni	2	
0099.COMP	12	4:41	21:14:31.9	2:36:15	300	90	3.0	#171 Local Uni	2	
0100.fmfa514	900	4:44	21:14:47.6	2:33:04	300	90	3.0	#171 Local Uni	2	
0101.COMP	12	4:59	21:14:47.6	2:33:04	300	90	3.0	#171 Local Uni	2	
0102.BDp284211	90	5:03	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0103.BDp284211	90	5:05	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0104.COMP	12	5:07	21:51:11.1	28:51:53	300	90	3.0	#56 Spectropho	2	
0105.BDp174708	45	5:09	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0106.BDp174708	45	5:10	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0107.BDp174708	45	5:11	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0108.COMP	12	5:12	22:11:31.4	18:05:33	300	90	3.0	#56 Spectropho	2	
0109.N7331	180	5:14	22:34:46.9	+34:09:43	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>
0110.COMP	12	5:18	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0111.sn2006gr	1800	5:26	22:32:22.6	+30:49:43	300	58	3.0	#2 SN Observat	2	
0112.COMP	12	5:57	22:32:22.6	+30:49:43	300	58	3.0	#2 SN Observat	2	
0113.fmfa549	1200	6:02	23:10:44.3	7:02:01	300	90	3.0	#171 Local Uni	2	
0114.COMP	12	6:23	23:10:44.3	7:02:01	300	90	3.0	#171 Local Uni	2	
0115.fmfa550	1200	6:27	23:10:56.5	8:02:18	300	90	3.0	#171 Local Uni	2	
0116.COMP	12	6:48	23:10:56.5	8:02:18	300	90	3.0	#171 Local Uni	2	
0117.fmfa551	1200	6:51	23:10:57.1	8:14:35	300	90	3.0	#171 Local Uni	2	
0118.COMP	12	7:11	23:10:57.1	8:14:35	300	90	3.0	#171 Local Uni	2	
0119.fmfa553	1200	7:25	23:11:07.9	8:08:15	300	90	3.0	#171 Local Uni	2	
0120.COMP	12	7:45	23:11:07.9	8:08:15	300	90	3.0	#171 Local Uni	2	
0121.fmfa554	1200	7:48	23:11:24.7	7:12:48	300	90	3.0	#171 Local Uni	2	
0122.COMP	12	8:08	23:11:24.7	7:12:48	300	90	3.0	#171 Local Uni	2	
0123.fmfa555	1200	8:12	23:11:30.5	7:48:20	300	90	3.0	#171 Local Uni	2	
0124.COMP	12	8:33	23:11:30.5	7:48:20	300	90	3.0	#171 Local Uni	2	
0125.fmfa556	1200	8:36	23:11:31.0	8:02:08	300	80	3.0	#171 Local Uni	2	
0126.COMP	12	8:57	23:11:31.0	8:02:08	300	80	3.0	#171 Local Uni	2	
0127.fmfa105	1200	9:02	02:26:35.6	28:08:37	300	80	3.0	#171 Local Uni	2	
0128.COMP	12	9:22	02:26:35.6	28:08:37	300	80	3.0	#171 Local Uni	2	
0129.fmfa106	900	9:53	02:26:41.5	28:35:00	300	90	3.0	#171 Local Uni	2	

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0130.COMP	12	10:09	02:26:41.5	28:35:00	300	90	3.0	#171 Local Uni	2	
0131.hxPer109	60	10:13	2:23:37.1	57:5:59	300	90	3.0	#170 h & chi P	2	
0132.COMP	12	10:14	2:23:37.1	57:5:59	300	90	3.0	#170 h & chi P	2	
0133.hxPer109	300	10:15	2:23:37.1	57:5:59	300	90	3.0	#170 h & chi P	2	
0134.COMP	12	10:20	2:23:37.1	57:5:59	300	90	3.0	#170 h & chi P	2	
0135.hxPer110	300	10:26	2:18:49.3	56:53:15	300	70	3.0	#170 h & chi P	2	
0136.COMP	12	10:31	2:18:49.3	56:53:15	300	70	3.0	#170 h & chi P	2	
0137.Phaethon	300	10:47	02:53:51.4	75:51:42	300	0	3.0	#173 Small Sol	2	
0138.COMP	12	10:53	02:53:51.4	75:51:42	300	0	3.0	#173 Small Sol	2	
0139.Phaethon	600	10:54	02:53:51.4	75:51:42	300	0	3.0	#173 Small Sol	2	
0140.COMP	12	11:04	02:53:51.4	75:51:42	300	0	3.0	#173 Small Sol	2	
0141.Phaethon	600	11:06	02:53:51.4	75:51:42	300	0	3.0	#173 Small Sol	2	
0142.COMP	12	11:16	02:53:51.4	75:51:42	300	0	3.0	#173 Small Sol	2	
0143.HD23650	10	11:21	03:49:34.9	+58:46:05	300	70	3.0	#173 Small Sol	2	
0144.COMP	12	11:21	03:49:34.9	+58:46:05	300	70	3.0	#173 Small Sol	2	
0145.Phaethon	600	11:27	2:53:10.1	75:50:54	300	20	3.0	#173 Small Sol	2	
0146.COMP	12	11:38	2:53:10.1	75:50:54	300	20	3.0	#173 Small Sol	2	
0147.HD23650	10	11:42	03:49:34.9	+58:46:05	300	90	3.0	#173 Small Sol	2	
0148.COMP	12	11:43	03:49:34.9	+58:46:05	300	90	3.0	#173 Small Sol	2	
0149.Phaethon	600	11:53	02:52:39.2	75:50:17	300	0	3.0	#173 Small Sol	2	

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0150.COMP	12	12:04	02:52:39.2	75:50:17	300	0	3.0	#173 Small Sol	2	
0151.HD23650	10	12:14	03:49:34.9	+58:46:05	300	90	3.0	#173 Small Sol	2	
0152.COMP	12	12:15	03:49:34.9	+58:46:05	300	90	3.0	#173 Small Sol	2	
0153.sn2006hb	497	12:21	05:02:01.2	-21:07:55	300	-9	3.0	#2 SN Observat	2	
0154.COMP	12	12:30	05:02:01.2	-21:07:55	300	-9	3.0	#2 SN Observat	2	
0155-0164.BIAS	0	13:02	05:02:01.2	-21:07:55	300	-9	3.0	#129 CHAMP Sou	4	
0165-0166.FLAT	0	13:02	05:02:01.2	-21:07:55	300	-9	3.0	#129 CHAMP Sou	4	
0167-0176.FLAT	12	13:06	05:02:01.2	-21:07:55	300	-9	3.0	#129 CHAMP Sou	4	
0177-0186.BIAS	0	13:09	05:02:01.2	-21:07:55	300	-9	3.0	#129 CHAMP Sou	2	
0187-0196.FLAT	12	13:12	05:02:01.2	-21:07:55	300	-9	3.0	#129 CHAMP Sou	2	
0197-0206.DARK	900	15:32	05:02:01.2	-21:07:55	300	-9	3.0	#129 CHAMP Sou	2	