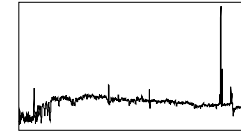
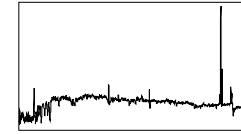
UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

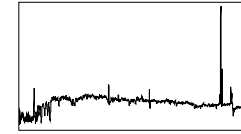
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	1:46	08:07:53.1	+31:30:25	300	90	3.0	#2 SN Observat	4	
0011-0019.FLAT	8	1:49	08:10:56.1	+31:30:26	300	90	3.0	#2 SN Observat	4	
0020.FLAT	8	1:49	08:11:17.2	+31:30:27	300	90	3.0	#2 SN Observat	4	
0021-0030.BIAS	0	1:51	08:13:28.8	+31:30:27	300	90	3.0	#2 SN Observat	2	
0031.FLAT	16	1:52	08:14:07.1	+31:30:27	300	90	3.0	#2 SN Observat	2	
0032-0036.FLAT	16	1:55	08:17:01.8	+31:30:28	300	90	3.0	#2 SN Observat	2	
0037-0040.FLAT	16	1:57	08:19:22.4	+31:30:29	300	90	3.0	#2 SN Observat	2	
0041.sky	3	2:09	8:33:00	33:00:00	300	90	3.0	#57 Velocity S	4	clouds, terrible seeing most of the night
0042-0045.sky	3	2:10	8:33:00	33:00:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	2:10	8:33:00	33:00:00	300	90	3.0	#57 Velocity S	4	FAST focus motor failed yet again
0047.HD52071	5	2:32	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	likely from same old cable problems
0048.HD52071	5	2:32	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0049.HD52071	5	2:32	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0050.COMP	5	2:33	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	what a huge pain to deal with
0051.HD84937	30	2:38	09:48:56.1	13:44:39	300	-28	3.0	#56 Spectropho	2	
0052.HD84937	30	2:39	09:48:56.1	13:44:39	300	-28	3.0	#56 Spectropho	2	
0053.HD84937	30	2:40	09:48:56.1	13:44:39	300	-28	3.0	#56 Spectropho	2	
0054.COMP	10	2:41	09:48:56.1	13:44:39	300	-28	3.0	#56 Spectropho	2	
0055.MRK110	420	2:43	09:25:12.9	+52:17:10	300	0	3.0	#6 AGN Monitor	4	
0056.COMP	5	2:51	09:25:12.9	+52:17:10	300	0	3.0	#6 AGN Monitor	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

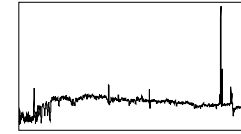
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.0111	600	2:57	08:38:19.3	15:15:14	300	90	3.0	#64 Cluster In	4	
0058.COMP	5	3:07	08:38:19.3	15:15:14	300	90	3.0	#64 Cluster In	4	
0059.c0112	720	3:08	08:40:8.6	15:38:19	300	90	3.0	#64 Cluster In	4	
0060.COMP	5	3:24	08:40:8.6	15:38:19	300	90	3.0	#64 Cluster In	4	
0061.c0113	720	3:27	08:38:36.5	15:43:18	300	90	3.0	#64 Cluster In	4	
0062.COMP	5	3:39	08:38:36.5	15:43:18	300	90	3.0	#64 Cluster In	4	
0063.c0114	900	3:40	08:37:33.5	15:43:43	300	90	3.0	#64 Cluster In	4	
0064.COMP	5	3:55	08:37:33.5	15:43:43	300	90	3.0	#64 Cluster In	4	
0065.c0116	720	3:57	08:37:41.1	16:05:03	300	90	3.0	#64 Cluster In	4	
0066.COMP	5	4:09	08:37:41.1	16:05:03	300	90	3.0	#64 Cluster In	4	
0067.c0115	720	4:12	08:37:34.3	15:49:08	300	-15	3.0	#64 Cluster In	4	
0068.COMP	5	4:25	08:37:34.3	15:49:08	300	-15	3.0	#64 Cluster In	4	
0069.Feige34	150	4:27	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0070.Feige34	300	4:30	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0071.COMP	10	4:35	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0072.c0117_c0118	900	4:39	10:14:28.5	-01:17:25	300	-4	3.0	#64 Cluster In	2	gal 117 at row 78, gal 118 at row 97
0073.COMP	10	4:55	10:14:28.5	-01:17:25	300	-4	3.0	#64 Cluster In	2	
0074.c0119	420	4:57	10:16:28.6	-01:05:55	300	-4	3.0	#64 Cluster In	4	
0075.COMP	5	5:04	10:16:28.6	-01:05:55	300	-4	3.0	#64 Cluster In	4	
0076.c0120	720	5:05	10:12:28.1	-00:42:36	300	-4	3.0	#64 Cluster In	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

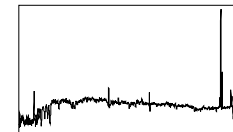
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0077.COMP	5	5:17	10:12:28.1	-00:42:36	300	-4	3.0	#64 Cluster In	4	
0078.2M130710.6+341753	420	5:19	13:7:10.6	+34:17:53	300	90	3.0	#68 2MASS Reds	4	
0079.COMP	5	5:27	13:7:10.6	+34:17:53	300	90	3.0	#68 2MASS Reds	4	
0080.2M131047.0+500530	420	5:28	13:10:47.0	+50:5:30	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	5:35	13:10:47.0	+50:5:30	300	90	3.0	#68 2MASS Reds	4	
0082.2M131426.0+505845	360	5:36	13:14:26.0	+50:58:45	300	90	3.0	#68 2MASS Reds	4	
0083.COMP	5	5:42	13:14:26.0	+50:58:45	300	90	3.0	#68 2MASS Reds	4	
0084.2M131432.7+443027	540	5:43	13:14:32.7	+44:30:27	300	90	3.0	#68 2MASS Reds	4	
0085.COMP	5	5:53	13:14:32.7	+44:30:27	300	90	3.0	#68 2MASS Reds	4	
0086.2M133043.1+383441	330	5:54	13:30:43.1	+38:34:41	300	90	3.0	#68 2MASS Reds	4	
0087.COMP	5	6:01	13:30:43.1	+38:34:41	300	90	3.0	#68 2MASS Reds	4	
0088.2M135128.2+343400	420	6:01	13:51:28.2	+34:34:0	300	90	3.0	#68 2MASS Reds	4	
0089.COMP	5	6:08	13:51:28.2	+34:34:0	300	90	3.0	#68 2MASS Reds	4	
0090.2M135159.4+135803	900	6:10	13:51:59.4	+13:58:3	300	90	3.0	#68 2MASS Reds	4	
0091.COMP	5	6:27	13:51:59.4	+13:58:3	300	90	3.0	#68 2MASS Reds	4	
0092.2M135336.3+213408	360	6:28	13:53:36.3	+21:34:8	300	90	3.0	#68 2MASS Reds	4	
0093.COMP	5	6:34	13:53:36.3	+21:34:8	300	90	3.0	#68 2MASS Reds	4	
0094.2M135344.2+344814	300	6:35	13:53:44.2	+34:48:14	300	90	3.0	#68 2MASS Reds	4	
0095.COMP	5	6:40	13:53:44.2	+34:48:14	300	90	3.0	#68 2MASS Reds	4	
0096.2M144255.9+064319	540	6:50	14:42:55.9	+06:43:19	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

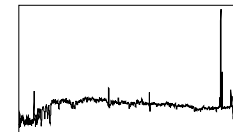
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0097.COMP	5	7:00	14:42:55.9	+06:43:19	300	90	3.0	#68 2MASS Reds	4	
0098.2M145028.1+110649	240	7:00	14:50:28.1	+11:6:49	300	90	3.0	#68 2MASS Reds	4	
0099.COMP	5	7:05	14:50:28.1	+11:6:49	300	90	3.0	#68 2MASS Reds	4	
0100.2M143818.6+173633	420	7:05	14:38:18.6	+17:36:33	300	90	3.0	#68 2MASS Reds	4	
0101.COMP	5	7:13	14:38:18.6	+17:36:33	300	90	3.0	#68 2MASS Reds	4	
0102.2M144146.9+565504	300	7:14	14:41:46.9	+56:55:4	300	90	3.0	#68 2MASS Reds	4	
0103.COMP	5	7:19	14:41:46.9	+56:55:4	300	90	3.0	#68 2MASS Reds	4	
0104.2M144246.6+614244	420	7:20	14:42:46.6	+61:42:44	300	90	3.0	#68 2MASS Reds	4	
0105.COMP	5	7:27	14:42:46.6	+61:42:44	300	90	3.0	#68 2MASS Reds	4	
0106.2M144619.4+543812	360	7:28	14:46:19.4	+54:38:12	300	90	3.0	#68 2MASS Reds	4	
0107.COMP	5	7:34	14:46:19.4	+54:38:12	300	90	3.0	#68 2MASS Reds	4	
0108.2M145122.7+552405	360	7:35	14:51:22.7	+55:24:5	300	90	3.0	#68 2MASS Reds	4	
0109.COMP	5	7:42	14:51:22.7	+55:24:5	300	90	3.0	#68 2MASS Reds	4	
0110.2M144630.2+323829	240	7:42	14:46:30.2	+32:38:29	300	90	3.0	#68 2MASS Reds	4	
0111.COMP	5	7:47	14:46:30.2	+32:38:29	300	90	3.0	#68 2MASS Reds	4	
0112.2M145305.9+365527	300	7:55	14:53:5.9	+36:55:27	300	90	3.0	#68 2MASS Reds	4	
0113.COMP	5	8:00	14:53:5.9	+36:55:27	300	90	3.0	#68 2MASS Reds	4	
0114.2M145728.4+215639	360	8:01	14:57:28.4	+21:56:39	300	90	3.0	#68 2MASS Reds	4	
0115.COMP	5	8:07	14:57:28.4	+21:56:39	300	90	3.0	#68 2MASS Reds	4	
0116.2M150411.8+072723	360	8:09	15:4:11.8	+07:27:23	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

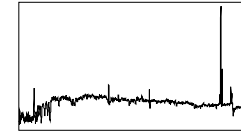
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0117.COMP	5	8:15	15:4:11.8	+07:27:23	300	90	3.0	#68 2MASS Reds	4	
0118.2M150833.6+061118	360	8:16	15:8:33.6	+06:11:18	300	90	3.0	#68 2MASS Reds	4	
0119.COMP	5	8:22	15:8:33.6	+06:11:18	300	90	3.0	#68 2MASS Reds	4	
0120.2M150731.5+161151	300	8:23	15:7:31.5	+16:11:51	300	90	3.0	#68 2MASS Reds	4	
0121.COMP	5	8:28	15:7:31.5	+16:11:51	300	90	3.0	#68 2MASS Reds	4	
0122.2M150827.8+681149	210	8:30	15:8:27.8	+68:11:49	300	90	3.0	#68 2MASS Reds	4	
0123.COMP	5	8:34	15:8:27.8	+68:11:49	300	90	3.0	#68 2MASS Reds	4	
0124.2M151147.5+635946	210	8:34	15:11:47.5	+63:59:46	300	90	3.0	#68 2MASS Reds	4	
0125.COMP	5	8:38	15:11:47.5	+63:59:46	300	90	3.0	#68 2MASS Reds	4	
0126.2M151252.7+660349	210	8:39	15:12:52.7	+66:3:49	300	90	3.0	#68 2MASS Reds	4	
0127.COMP	5	8:42	15:12:52.7	+66:3:49	300	90	3.0	#68 2MASS Reds	4	
0128.2M150844.7+553621	240	8:43	15:8:44.7	+55:36:21	300	90	3.0	#68 2MASS Reds	4	
0129.COMP	5	8:48	15:8:44.7	+55:36:21	300	90	3.0	#68 2MASS Reds	4	
0130.2M151103.8+370133	240	8:49	15:11:3.8	+37:1:33	300	90	3.0	#68 2MASS Reds	4	
0131.COMP	5	8:53	15:11:3.8	+37:1:33	300	90	3.0	#68 2MASS Reds	4	
0132.2M151638.8+410149	240	8:53	15:16:38.8	+41:1:49	300	90	3.0	#68 2MASS Reds	4	
0133.COMP	5	8:58	15:16:38.8	+41:1:49	300	90	3.0	#68 2MASS Reds	4	
0134.2M143612.9+785502	600	8:59	14:36:12.9	+78:55:2	300	90	3.0	#68 2MASS Reds	4	
0135.COMP	5	9:10	14:36:12.9	+78:55:2	300	90	3.0	#68 2MASS Reds	4	
0136.2M152634.5+750416	660	9:10	15:26:34.5	+75:4:16	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

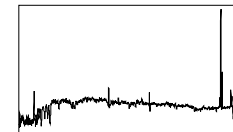
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0137.COMP	5	9:22	15:26:34.5	+75:4:16	300	90	3.0	#68 2MASS Reds	4	
0138.2M154412.9+272351	480	9:25	15:44:12.9	+27:23:51	300	90	3.0	#68 2MASS Reds	4	
0139.COMP	5	9:34	15:44:12.9	+27:23:51	300	90	3.0	#68 2MASS Reds	4	
0140.2M154911.7+253705	420	9:34	15:49:11.7	+25:37:5	300	90	3.0	#68 2MASS Reds	4	
0141.COMP	5	9:42	15:49:11.7	+25:37:5	300	90	3.0	#68 2MASS Reds	4	
0142.2M154718.0+025724	210	9:43	15:47:18.0	+02:57:24	300	90	3.0	#68 2MASS Reds	4	
0143.COMP	5	9:46	15:47:18.0	+02:57:24	300	90	3.0	#68 2MASS Reds	4	
0144.2M161012.1+004701	240	9:47	16:10:12.1	+00:47:1	300	90	3.0	#68 2MASS Reds	4	
0145.COMP	5	9:51	16:10:12.1	+00:47:1	300	90	3.0	#68 2MASS Reds	4	
0146.2M155430.8+050009	300	9:52	15:54:30.8	+05:0:9	300	90	3.0	#68 2MASS Reds	4	
0147.COMP	5	9:57	15:54:30.8	+05:0:9	300	90	3.0	#68 2MASS Reds	4	
0148.2M155754.6+092435	210	9:58	15:57:54.6	+09:24:35	300	90	3.0	#68 2MASS Reds	4	
0149.COMP	5	10:02	15:57:54.6	+09:24:35	300	90	3.0	#68 2MASS Reds	4	
0150.2M160450.8+215923	330	10:03	16:4:50.8	+21:59:23	300	90	3.0	#68 2MASS Reds	4	
0151.COMP	5	10:08	16:4:50.8	+21:59:23	300	90	3.0	#68 2MASS Reds	4	
0152.2M160125.2+354918	390	10:09	16:1:25.2	+35:49:18	300	90	3.0	#68 2MASS Reds	4	
0153.COMP	5	10:16	16:1:25.2	+35:49:18	300	90	3.0	#68 2MASS Reds	4	
0154.2M160714.4+331908	300	10:17	16:7:14.4	+33:19:8	300	90	3.0	#68 2MASS Reds	4	
0155.COMP	5	10:23	16:7:14.4	+33:19:8	300	90	3.0	#68 2MASS Reds	4	
0156.2M160728.6+273150	240	10:24	16:7:28.6	+27:31:50	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0157.COMP	5	10:28	16:7:28.6	+27:31:50	300	90	3.0	#68 2MASS Reds	4	
0158.2M161257.0+304614	240	10:29	16:12:57.0	+30:46:14	300	90	3.0	#68 2MASS Reds	4	
0159.COMP	5	10:33	16:12:57.0	+30:46:14	300	90	3.0	#68 2MASS Reds	4	
0160.2M161454.2+371106	240	10:34	16:14:54.2	+37:11:6	300	90	3.0	#68 2MASS Reds	4	
0161.COMP	5	10:38	16:14:54.2	+37:11:6	300	90	3.0	#68 2MASS Reds	4	
0162.2M150847.8+832959	360	10:40	15:8:47.8	+83:29:59	300	90	3.0	#68 2MASS Reds	4	
0163.COMP	5	10:47	15:8:47.8	+83:29:59	300	90	3.0	#68 2MASS Reds	4	
0164.2M161553.2+602257	240	10:48	16:15:53.2	+60:22:57	300	90	3.0	#68 2MASS Reds	4	
0165.COMP	5	10:52	16:15:53.2	+60:22:57	300	90	3.0	#68 2MASS Reds	4	
0166.2M161757.7+563822	240	10:53	16:17:57.7	+56:38:22	300	90	3.0	#68 2MASS Reds	4	
0167.COMP	5	10:57	16:17:57.7	+56:38:22	300	90	3.0	#68 2MASS Reds	4	
0168.2M161717.6+400528	240	10:58	16:17:17.6	+40:5:28	300	90	3.0	#68 2MASS Reds	4	
0169.COMP	5	11:02	16:17:17.6	+40:5:28	300	90	3.0	#68 2MASS Reds	4	
0170.2M161824.8+205323	240	11:03	16:18:24.8	+20:53:23	300	90	3.0	#68 2MASS Reds	4	
0171.COMP	5	11:07	16:18:24.8	+20:53:23	300	90	3.0	#68 2MASS Reds	4	
0172.2M161938.7+405235	240	11:08	16:19:38.7	+40:52:35	300	90	3.0	#68 2MASS Reds	4	
0173.COMP	5	11:16	16:19:38.7	+40:52:35	300	90	3.0	#68 2MASS Reds	4	
0174.2M162745.6+410421	210	11:17	16:27:45.6	+41:4:21	300	90	3.0	#68 2MASS Reds	4	
0175.COMP	5	11:21	16:27:45.6	+41:4:21	300	90	3.0	#68 2MASS Reds	4	
0176.2M162748.7+560136	330	11:22	16:27:48.7	+56:1:36	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0177.COMP	5	11:28	16:27:48.7	+56:1:36	300	90	3.0	#68 2MASS Reds	4	
0178.2M163015.9+243427	240	11:29	16:30:15.9	+24:34:27	300	90	3.0	#68 2MASS Reds	4	
0179.COMP	5	11:33	16:30:15.9	+24:34:27	300	90	3.0	#68 2MASS Reds	4	
0180.2M163213.3+021852	240	11:34	16:32:13.3	+02:18:52	300	90	3.0	#68 2MASS Reds	4	
0181.COMP	5	11:38	16:32:13.3	+02:18:52	300	90	3.0	#68 2MASS Reds	4	
0182.2M164136.6+005559	240	11:39	16:41:36.6	+00:55:59	300	90	3.0	#68 2MASS Reds	4	
0183.COMP	5	11:43	16:41:36.6	+00:55:59	300	90	3.0	#68 2MASS Reds	4	
0184.2M163759.9+073655	210	11:45	16:37:59.9	+07:36:55	300	90	3.0	#68 2MASS Reds	4	
0185.COMP	5	11:49	16:37:59.9	+07:36:55	300	90	3.0	#68 2MASS Reds	4	
0186.2M164220.8+070648	210	11:49	16:42:20.8	+07:6:48	300	90	3.0	#68 2MASS Reds	4	
0187.COMP	5	11:53	16:42:20.8	+07:6:48	300	90	3.0	#68 2MASS Reds	4	
0188.FineFoc	60	11:54	18:02:17.9	30:46:44	300	90	3.0	#68 2MASS Reds	1	
0189-0198.BIAS	0	12:00	18:02:17.9	30:46:44	300	90	3.0	#68 2MASS Reds	4	
0199-0208.FLAT	8	12:03	18:02:17.9	30:46:44	300	90	3.0	#68 2MASS Reds	4	
0209-0218.BIAS	0	12:06	18:02:17.9	30:46:44	300	90	3.0	#68 2MASS Reds	2	
0219-0228.FLAT	16	12:11	18:02:17.9	30:46:44	300	90	3.0	#68 2MASS Reds	2	
0229.COMP	5	12:15	18:38:42.1	+31:30:01	300	90	3.0	#68 2MASS Reds	4	
0230.DARK	900	12:20	18:59:36.0	+31:29:54	300	90	3.0	#68 2MASS Reds	4	
0231.DARK	900	12:36	19:14:46.8	+31:29:49	300	90	3.0	#68 2MASS Reds	4	
0232.DARK	900	12:51	19:30:01.5	+31:29:44	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-04-18 Observers P BerlindColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0233.DARK	900	13:06	19:45:12.6	+31:29:39	300	90	3.0	#68 2MASS Reds	4	
0234.DARK	900	13:21	20:00:26.5	+31:29:34	300	90	3.0	#68 2MASS Reds	4	
0235.DARK	900	13:36	20:15:36.7	+31:29:29	300	90	3.0	#68 2MASS Reds	4	
0236.DARK	900	13:51	20:30:51.4	+31:29:25	300	90	3.0	#68 2MASS Reds	4	
0237.DARK	900	14:07	20:46:01.9	+31:29:20	300	90	3.0	#68 2MASS Reds	4	
0238.DARK	900	14:22	21:01:16.0	+31:29:16	300	90	3.0	#68 2MASS Reds	4	
0239.DARK	900	14:37	21:16:26.4	+31:29:11	300	90	3.0	#68 2MASS Reds	4	
0240.DARK	900	14:52	21:31:40.5	+31:29:07	300	90	3.0	#68 2MASS Reds	2	
0241.DARK	900	15:07	21:46:59.0	+31:29:04	300	90	3.0	#68 2MASS Reds	2	
0242.DARK	900	15:23	22:02:17.5	+31:29:00	300	90	3.0	#68 2MASS Reds	2	
0243.DARK	900	15:38	22:17:32.9	+31:28:57	300	90	3.0	#68 2MASS Reds	2	
0244.DARK	900	15:53	22:32:51.2	+31:28:54	300	90	3.0	#68 2MASS Reds	2	
0245.DARK	900	16:08	22:48:09.1	+31:28:51	300	90	3.0	#68 2MASS Reds	2	
0246.DARK	900	16:24	23:03:27.7	+31:28:49	300	90	3.0	#68 2MASS Reds	2	
0247.DARK	900	16:39	23:18:43.2	+31:28:46	300	90	3.0	#68 2MASS Reds	2	
0248.DARK	900	16:54	23:34:01.9	+31:28:45	300	90	3.0	#68 2MASS Reds	2	
0249.DARK	900	17:09	23:49:17.2	+31:28:43	300	90	3.0	#68 2MASS Reds	2	