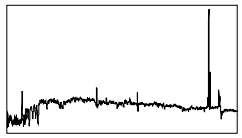
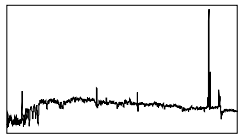
WHIPPLE OBSERVATORY FAST SPECTROGRAPH LOG



UT Date 2002-01-13 *Observers* P Berlind *Coll. Focus* 1000 *Grating/Grism* 600

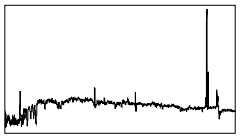
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0009.DARK	900	23:49	13:21:19.0	36:23:39	600	100	2.0	#88f Mass Func	2	
0010-0020.BIAS	0	0:30	13:21:19.0	36:23:39	600	100	2.0	#88f Mass Func	2	
0021-0040.FLAT	55	0:52	13:21:19.0	36:23:39	600	100	2.0	#88f Mass Func	2	
0041.HD3546	20	0:52	00:38:33.4	29:18:42	600	100	2.0	#57 Radial Vel	2	thin clouds
0042.HD3546	30	0:52	00:38:33.4	29:18:42	600	100	2.0	#57 Radial Vel	2	
0043.COMP	20	0:52	00:38:33.4	29:18:42	600	100	2.0	#57 Radial Vel	2	
0044.HD7318	25	0:52	01:13:45.0	24:35:01	600	100	2.0	#57 Radial Vel	2	
0045.HD7318	30	0:52	01:13:45.0	24:35:01	600	100	2.0	#57 Radial Vel	2	
0046.COMP	20	0:52	01:13:45.0	24:35:01	600	100	2.0	#57 Radial Vel	2	
0047.HD5516	25	0:52	00:57:12.4	23:25:03	600	100	2.0	#57 Radial Vel	2	
0048.HD5516	25	0:52	00:57:12.4	23:25:03	600	100	2.0	#57 Radial Vel	2	
0049.COMP	20	0:52	00:57:12.4	23:25:03	600	100	2.0	#57 Radial Vel	2	
0050.M32	180	0:52	00:39:57.7	40:35:26	600	-10	2.0	#88f Mass Func	2	
0051.M32	180	0:52	00:39:57.7	40:35:26	600	-10	2.0	#88f Mass Func	2	
0052.COMP	20	0:52	00:39:57.7	40:35:26	600	-10	2.0	#88f Mass Func	2	
0053.NGC0821	180	0:52	02:05:40.5	10:45:32	600	25	2.0	#88f Mass Func	2	
0054.NGC0821	180	0:52	02:05:40.5	10:45:32	600	25	2.0	#88f Mass Func	2	
0055.COMP	20	0:52	02:05:40.5	10:45:32	600	25	2.0	#88f Mass Func	2	
0056.NGC1023	180	0:52	02:37:15.8	38:50:55	600	87	2.0	#88f Mass Func	2	good sky
0057.NGC1023	180	0:52	02:37:15.8	38:50:55	600	87	2.0	#88f Mass Func	2	

WHIPPLE OBSERVATORY FAST SPECTROGRAPH LOG



UT Date 2002-01-13 *Observers* P Berlind *Coll. Focus* 1000 *Grating/Grism* 600

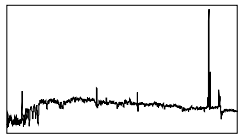
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.COMP	20	0:52	02:37:15.8	38:50:55	600	87	2.0	#88f Mass Func	2	
0059.NGC0636	240	0:52	01:36:36.4	-07:45:57	600	87	2.0	#88f Mass Func	2	
0060.NGC0636	240	0:52	01:36:36.4	-07:45:57	600	87	2.0	#88f Mass Func	2	
0061.COMP	20	0:52	01:36:36.4	-07:45:57	600	87	2.0	#88f Mass Func	2	
0062.COMP	20	0:52	03:35:38.0	+11:02:45	600	87	2.0	#88 Mass Funct	2	
0063.MF7018	1200	0:52	03:35:38.0	+11:02:45	600	50	2.0	#88 Mass Funct	2	
0064.MF7018	1200	0:52	03:35:38.0	+11:02:45	600	50	2.0	#88 Mass Funct	2	
0065.COMP	20	0:52	03:35:38.0	+11:02:45	600	50	2.0	#88 Mass Funct	2	
0066.MF7018	1200	0:52	03:35:38.0	+11:02:45	600	50	2.0	#88 Mass Funct	2	
0067.MF7018	1200	0:52	03:35:38.0	+11:02:45	600	50	2.0	#88 Mass Funct	2	
0068.COMP	20	0:52	03:35:38.0	+11:02:45	600	50	2.0	#88 Mass Funct	2	
0069.COMP	20	0:52	03:46:03.3	+12:42:11	600	-63	2.0	#88 Mass Funct	2	
0070.MF7026	1200	0:52	03:46:03.3	+12:42:11	600	-63	2.0	#88 Mass Funct	2	more thin clouds
0071.MF7026	1200	0:52	03:46:03.3	+12:42:11	600	-63	2.0	#88 Mass Funct	2	
0072.COMP	20	0:52	03:46:03.3	+12:42:11	600	-63	2.0	#88 Mass Funct	2	
0073.MF7026	1200	0:52	03:46:03.3	+12:42:11	600	-63	2.0	#88 Mass Funct	2	
0074.MF7026	1200	0:52	03:46:03.3	+12:42:11	600	-63	2.0	#88 Mass Funct	2	
0075.COMP	20	0:52	03:46:03.3	+12:42:11	600	-63	2.0	#88 Mass Funct	2	
0076.HD27697	30	0:52	04:22:56.1	17:32:33	600	0	2.0	#57 Radial Vel	2	
0077.HD27697	30	0:52	04:22:56.1	17:32:33	600	0	2.0	#57 Radial Vel	2	



UT Date 2002-01-13 *Observers* P Berlind *Coll. Focus* 1000 *Grating/Grism* 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.COMP	20	0:52	04:22:56.1	17:32:33	600	0	2.0	#57 Radial Vel	2	
0079.COMP	20	0:52	07:02:52.2	+50:35:11	600	35	2.0	#88f Mass Func	2	
0080.MF2665	1200	0:52	07:02:52.2	+50:35:11	600	35	2.0	#88f Mass Func	2	
0081.MF2665	1200	0:52	07:02:52.2	+50:35:11	600	35	2.0	#88f Mass Func	2	
0082.MF2665	1200	0:52	07:02:52.2	+50:35:11	600	35	2.0	#88f Mass Func	2	
0083.COMP	20	0:52	07:02:52.2	+50:35:11	600	35	2.0	#88f Mass Func	2	
0084.COMP	20	0:52	7:21:4.5	+39:49:8	600	77	2.0	#88f Mass Func	2	
0085.MF4010	1200	0:52	7:21:4.5	+39:49:8	600	77	2.0	#88f Mass Func	2	
0086.MF4010	1200	0:52	7:21:4.5	+39:49:8	600	77	2.0	#88f Mass Func	2	
0087.COMP	20	0:52	7:21:4.5	+39:49:8	600	77	2.0	#88f Mass Func	2	
0088.MF4010	1200	0:52	7:21:4.5	+39:49:8	600	77	2.0	#88f Mass Func	2	
0089.MF4010	1200	0:52	7:21:4.5	+39:49:8	600	77	2.0	#88f Mass Func	2	
0090.COMP	20	0:52	7:21:4.5	+39:49:8	600	77	2.0	#88f Mass Func	2	
0091.MF7044	600	0:52	08:41:53.0	+32:52:4	600	40	2.0	#88 Mass Funct	2	
0092.MF7044	600	0:52	08:41:53.0	+32:52:4	600	40	2.0	#88 Mass Funct	2	
0093.COMP	20	0:52	08:41:53.0	+32:52:4	600	40	2.0	#88 Mass Funct	2	
0094.MF4014	600	0:52	08:14:16.4	+18:26:26	600	45	2.0	#88 Mass Funct	2	
0095.MF4014	600	0:52	08:14:16.4	+18:26:26	600	45	2.0	#88 Mass Funct	2	
0096.COMP	20	0:52	08:14:16.4	+18:26:26	600	45	2.0	#88 Mass Funct	2	
0097.COMP	20	0:52	09:46:08.3	+54:36:52	600	45	2.0	#88 Mass Funct	2	

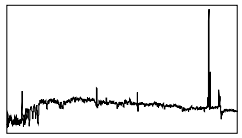
WHIPPLE OBSERVATORY FAST SPECTROGRAPH LOG



UT Date 2002-01-13 *Observers* P Berlind *Coll. Focus* 1000 *Grating/Grism* 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0098.MF7055	1200	0:52	09:46:08.3	+54:36:52	600	70	2.0	#88 Mass Funct	2	
0099.MF7055	1200	0:52	09:46:08.3	+54:36:52	600	70	2.0	#88 Mass Funct	2	
0100.COMP	20	0:52	09:46:08.3	+54:36:52	600	70	2.0	#88 Mass Funct	2	
0101.MF7055	1200	0:52	09:46:08.3	+54:36:52	600	70	2.0	#88 Mass Funct	2	
0102.MF7055	1200	0:52	09:46:08.3	+54:36:52	600	70	2.0	#88 Mass Funct	2	
0103.COMP	20	0:52	09:46:08.3	+54:36:52	600	70	2.0	#88 Mass Funct	2	
0104.MF7051	600	0:52	11:24:24.6	+51:14:6	600	85	2.0	#88 Mass Funct	2	
0105.MF7051	600	0:52	11:24:24.6	+51:14:6	600	85	2.0	#88 Mass Funct	2	
0106.COMP	20	0:52	11:24:24.6	+51:14:6	600	85	2.0	#88 Mass Funct	2	
0107.Feige34	180	0:52	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	2	
0108.Feige34	180	0:52	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	2	
0109.COMP	20	0:52	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	2	
0110.HD100006	45	0:52	11:30:29.0	18:24:35	600	90	2.0	#57 Radial Vel	2	
0111.HD100006	45	0:52	11:30:29.0	18:24:35	600	90	2.0	#57 Radial Vel	2	
0112.COMP	20	0:52	11:30:29.0	18:24:35	600	90	2.0	#57 Radial Vel	2	
0113.COMP	20	0:52	10:12:29.2	+12:22:38	600	55	2.0	#88 Mass Funct	2	
0114.MF7148	900	0:52	10:12:29.2	+12:22:38	600	55	2.0	#88 Mass Funct	2	
0115.MF7148	900	0:52	10:12:29.2	+12:22:38	600	55	2.0	#88 Mass Funct	2	
0116.MF7148	900	0:52	10:12:29.2	+12:22:38	600	55	2.0	#88 Mass Funct	2	
0117.COMP	20	0:52	10:12:29.2	+12:22:38	600	55	2.0	#88 Mass Funct	2	

WHIPPLE OBSERVATORY FAST SPECTROGRAPH LOG



UT Date 2002-01-13 *Observers* P Berlind *Coll. Focus* 1000 *Grating/Grism* 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0118.COMP	20	0:52	11:11:23.7	+26:57:42	600	-22	2.0	#88 Mass Funct	2	
0119.MF0008	900	0:52	11:11:23.7	+26:57:42	600	-22	2.0	#88 Mass Funct	2	target gal is the fainter
0120.MF0008	900	0:52	11:11:23.7	+26:57:42	600	-22	2.0	#88 Mass Funct	2	western gal of close pair
0121.MF0008	900	0:52	11:11:23.7	+26:57:42	600	-22	2.0	#88 Mass Funct	2	
0122.COMP	20	0:52	11:11:23.7	+26:57:42	600	-22	2.0	#88 Mass Funct	2	
0123.HZ44	300	0:52	13:21:19.0	36:23:39	600	-22	2.0	#56 Spectropho	2	
0124.HZ44	300	0:52	13:21:19.0	36:23:39	600	-22	2.0	#56 Spectropho	2	
0125.COMP	20	0:52	13:21:19.0	36:23:39	600	-22	2.0	#56 Spectropho	2	
0126.NGC4168	300	0:52	12:09:43.5	13:29:05	600	-22	2.0	#88f Mass Func	2	
0127.NGC4168	300	0:52	12:09:43.5	13:29:05	600	-22	2.0	#88f Mass Func	2	
0128.COMP	20	0:52	12:09:43.5	13:29:05	600	-22	2.0	#88f Mass Func	2	
0129.NGC4278	180	0:52	12:17:36.1	29:33:29	600	-22	2.0	#88f Mass Func	2	
0130.NGC4278	180	0:52	12:17:36.1	29:33:29	600	-22	2.0	#88f Mass Func	2	clear @ dawn
0131.COMP	20	0:52	12:17:36.1	29:33:29	600	-22	2.0	#88f Mass Func	2	
0132-0141.BIAS	0	13:22	12:17:36.1	29:33:29	600	-22	2.0	#88 Mass Funct	2	
0142-0151.FLAT	55	13:33	12:17:36.1	29:33:29	600	-22	2.0	#88 Mass Funct	2	
0152.BIAS	0	13:33	12:17:36.1	29:33:29	300	-22	3.0	#88 Mass Funct	2	