



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9095

UT Date 2001-04-26 Observers P Berlind

Coll. Focus 1075 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
01.10.DARK	900	21:27	15:22:56.5	+08:39:00	300	90	3.0	#59 X-Ray Grou		
11.20.BIAS	0	2:07	15:22:56.5	+08:39:00	300	90	3.0	#59 X-Ray Grou		big thunderstorm today
21.30.FLAT	8	2:09	15:22:56.5	+08:39:00	300	90	3.0	#59 X-Ray Grou		rain and hail
31.40.BIAS	0	2:12	15:22:56.5	+08:39:00	300	90	3.0	#59 X-Ray Grou		
41.50.FLAT	16	2:15	15:22:56.5	+08:39:00	300	90	3.0	#59 X-Ray Grou		
51.52.Feige34	360	3:59	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho		clearing a bit @ 9pm
0053.COMP	10	4:09	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho		
0054.DVUMa	600	4:12	9:46:36.5	44:46:40	300	90	3.0	#121 UGem		
0055.COMP	5	4:26	9:46:36.5	44:46:40	300	90	3.0	#121 UGem		
0056.2M1136341p10595	300	4:27	11:36:34.1	+10:59:51	300	90	3.0	2MASS Redshift		
0057.COMP	5	4:34	11:36:34.1	+10:59:51	300	90	3.0	2MASS Redshift		
0058.2M1136084p07134	600	4:35	11:36:08.4	+07:13:45	300	90	3.0	68 2MASS Redsh		E @ row 42; W @ row 31
0059.COMP	5	4:45	11:36:08.4	+07:13:45	300	90	3.0	68 2MASS Redsh		
0060.2M1137323p09200	600	4:47	11:37:32.3	+09:20:01	300	90	3.0	2MASS Redshift		
0061.COMP	5	4:57	11:37:32.3	+09:20:01	300	90	3.0	2MASS Redshift		
0062.2M1137476p04483	300	4:59	11:37:47.6	+04:48:36	300	90	3.0	2MASS Redshift		
0063.COMP	5	5:04	11:37:47.6	+04:48:36	300	90	3.0	2MASS Redshift		
0064.2M1138013p02460	420	5:05	11:38:01.3	+02:46:09	300	90	3.0	2MASS Redshift		more clouds
0065.COMP	5	5:12	11:38:01.3	+02:46:09	300	90	3.0	2MASS Redshift		
0066.2M1139558p01304	600	5:43	11:39:55.8	+01:30:43	300	90	3.0	2MASS Redshift		



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9096

UT Date 2001-04-26 Observers P Berlind

Coll. Focus 1075 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0067.COMP	5	5:54	11:39:55.8	+01:30:43	300	90	3.0	2MASS Redshift		
0068.2M1138013p02460	720	5:55	11:38:01.3	+02:46:09	300	90	3.0	2MASS Redshift		redo of file 64 above.
0069.COMP	5	6:08	11:38:01.3	+02:46:09	300	90	3.0	2MASS Redshift		
0070.2M1139565p10405	360	6:08	11:39:56.5	+10:40:53	300	90	3.0	2MASS Redshift		
0071.COMP	5	6:18	11:39:56.5	+10:40:53	300	90	3.0	2MASS Redshift		
0072.2M1140435p10244	480	6:19	11:40:43.5	+10:24:43	300	90	3.0	2MASS Redshift		clearing
0073.COMP	5	6:27	11:40:43.5	+10:24:43	300	90	3.0	2MASS Redshift		
0074.2M1140056p18132	480	6:28	11:40:05.6	+18:13:24	300	90	3.0	2MASS Redshift		
0075.COMP	5	6:36	11:40:05.6	+18:13:24	300	90	3.0	2MASS Redshift		
0076.2M1140438p19283	360	6:37	11:40:43.8	+19:28:30	300	90	3.0	2MASS Redshift		
0077.COMP	5	6:43	11:40:43.8	+19:28:30	300	90	3.0	2MASS Redshift		
0078.SN2001V	1200	6:44	11:57:25.0	25:12:10	300	70	3.0	#2 SN Observat		
0079.COMP	10	7:05	11:57:25.0	25:12:10	300	70	3.0	#2 SN Observat		
80.81.HZ44	150	7:06	13:21:19.0	36:23:39	300	100	3.0	#56 Spectropho		
0082.COMP	10	7:12	13:21:19.0	36:23:39	300	100	3.0	#56 Spectropho		
0083.2M1142032p03001	240	7:13	11:42:03.2	+03:00:16	300	100	3.0	2MASS Redshift		
0084.COMP	5	7:17	11:42:03.2	+03:00:16	300	100	3.0	2MASS Redshift		
0085.2M1142065p08584	240	7:18	11:42:06.5	+08:58:49	300	100	3.0	2MASS Redshift		
0086.COMP	5	7:22	11:42:06.5	+08:58:49	300	100	3.0	2MASS Redshift		
0087.2M1142247p08501	150	7:23	11:42:24.7	+08:50:17	300	100	3.0	2MASS Redshift		



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9097

UT Date 2001-04-26 Observers P Berlind

Coll. Focus 1075 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0088.COMP	5	7:26	11:42:24.7	+08:50:17	300	100	3.0	2MASS Redshift		
0089.2M1143478p12141	240	7:26	11:43:47.8	+12:14:13	300	100	3.0	2MASS Redshift		
0090.COMP	5	7:31	11:43:47.8	+12:14:13	300	100	3.0	2MASS Redshift		
91.92.TXCVn	30	7:32	12:44:42	36:45:48	300	100	3.0	#12 Symbiotic		
0093.COMP	5	7:33	12:44:42	36:45:48	300	100	3.0	#12 Symbiotic		
94.97.RWHy	30	7:39	13:34:18	-25:22:51	300	0	3.0	#12 Symbiotic		
0098.COMP	5	7:39	13:34:18	-25:22:51	300	0	3.0	#12 Symbiotic		
99.101.BD21d3873	120	7:41	14:16:34	-21:45:51	300	0	3.0	#12 Symbiotic		
0102.COMP	5	7:44	14:16:34	-21:45:51	300	0	3.0	#12 Symbiotic		
0103.sn2001ay	1200	7:47	14:26:17.0	26:14:55	300	45	3.0	#2 SN Observat		
0104.COMP	10	8:08	14:26:17.0	26:14:55	300	45	3.0	#2 SN Observat		
0105.nrgs341.042	180	8:10	15:22:56.5	+08:39:00	300	90	3.0	#59 X-Ray Grou		
0106.COMP	5	8:13	15:22:56.5	+08:39:00	300	90	3.0	#59 X-Ray Grou		
0107.nrgs341.044	240	8:13	15:22:59.9	+08:45:19	300	90	3.0	#59 X-Ray Grou		
0108.COMP	5	8:18	15:22:59.9	+08:45:19	300	90	3.0	#59 X-Ray Grou		
0109.nrgs341.047	180	8:18	15:23:05.2	+08:36:33	300	90	3.0	#59 X-Ray Grou		rich cluster; check out DSS2
0110.nrgs341.047nw	210	8:22	15:23:05.2	+08:36:33	300	90	3.0	#59 X-Ray Grou		
0111.COMP	5	8:25	15:23:05.2	+08:36:33	300	90	3.0	#59 X-Ray Grou		
0112.nrgs341.049	210	8:26	15:23:07.0	+08:40:35	300	90	3.0	#59 X-Ray Grou		
0113.COMP	5	8:30	15:23:07.0	+08:40:35	300	90	3.0	#59 X-Ray Grou		



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9098

UT Date 2001-04-26 Observers P Berlind

Coll. Focus 1075 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0114.nrgs341.050	210	8:30	15:23:07.4	+08:31:40	300	90	3.0	#59 X-Ray Grou		
0115.nrgs341.051	180	8:34	15:23:10.4	+08:30:19	300	90	3.0	#59 X-Ray Grou		
0116.COMP	5	8:37	15:23:10.4	+08:30:19	300	90	3.0	#59 X-Ray Grou		
0117.nrgs341.052	180	8:38	15:23:10.8	+08:38:03	300	90	3.0	#59 X-Ray Grou		
0118.nrgs341.054	180	8:41	15:23:14.0	+08:38:43	300	90	3.0	#59 X-Ray Grou		
0119.COMP	5	8:44	15:23:14.0	+08:38:43	300	90	3.0	#59 X-Ray Grou		
0120.nrgs341.053se	210	8:45	15:23:12.0	+08:33:03	300	90	3.0	#59 X-Ray Grou		
0121.nrgs341.053nw	300	8:49	15:23:12.0	+08:33:03	300	90	3.0	#59 X-Ray Grou		
0122.COMP	5	8:54	15:23:12.0	+08:33:03	300	90	3.0	#59 X-Ray Grou		
0123.nrgs341.056	180	8:54	15:23:15.0	+08:34:25	300	90	3.0	#59 X-Ray Grou		
0124.COMP	5	8:58	15:23:15.0	+08:34:25	300	90	3.0	#59 X-Ray Grou		
0125.nrgs341.057	180	8:58	15:23:15.9	+08:44:54	300	90	3.0	#59 X-Ray Grou		
0126.nrgs341.059	180	9:02	15:23:20.1	+08:37:04	300	90	3.0	#59 X-Ray Grou		
0127.COMP	5	9:05	15:23:20.1	+08:37:04	300	90	3.0	#59 X-Ray Grou		
0128.nrgs341.060	240	9:06	15:23:20.4	+08:24:15	300	90	3.0	#59 X-Ray Grou		
0129.nrgs341.062	210	9:10	15:23:20.9	+08:23:38	300	90	3.0	#59 X-Ray Grou		
0130.COMP	5	9:14	15:23:20.9	+08:23:38	300	90	3.0	#59 X-Ray Grou		
0131.nrgs341.061	240	9:14	15:23:20.5	+08:43:22	300	90	3.0	#59 X-Ray Grou		
0132.nrgs341.066	120	9:19	15:23:35.3	+09:20:45	300	90	3.0	#59 X-Ray Grou		
0133.COMP	5	9:21	15:23:35.3	+09:20:45	300	90	3.0	#59 X-Ray Grou		



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9099

UT Date 2001-04-26 Observers P Berlind

Coll. Focus 1075 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0134.nrgs341.070	120	9:22	15:23:39.2	+08:45:32	300	90	3.0	#59 X-Ray Grou		
0135.nrgs341.072	180	9:24	15:23:43.3	+08:54:50	300	90	3.0	#59 X-Ray Grou		
0136.COMP	5	9:28	15:23:43.3	+08:54:50	300	90	3.0	#59 X-Ray Grou		
0137.nrgs341.074	420	9:28	15:23:43.9	+09:22:37	300	90	3.0	#59 X-Ray Grou		
0138.COMP	5	9:35	15:23:43.9	+09:22:37	300	90	3.0	#59 X-Ray Grou		
0139.nrgs341.078	210	9:36	15:24:03.3	+07:57:09	300	90	3.0	#59 X-Ray Grou		
0140.COMP	5	9:40	15:24:03.3	+07:57:09	300	90	3.0	#59 X-Ray Grou		
0141.nrgs341.085	180	9:40	15:24:29.6	+08:22:23	300	90	3.0	#59 X-Ray Grou		
0142.nrgs341.087	180	9:44	15:24:51.1	+08:25:30	300	90	3.0	#59 X-Ray Grou		
0143.COMP	5	9:47	15:24:51.1	+08:25:30	300	90	3.0	#59 X-Ray Grou		
0144.nrgs341.090	120	9:48	15:25:03.6	+08:43:06	300	90	3.0	#59 X-Ray Grou		
0145.nrgs341.093	420	9:50	15:25:11.5	+08:38:13	300	90	3.0	#59 X-Ray Grou		
0146.COMP	5	9:57	15:25:11.5	+08:38:13	300	90	3.0	#59 X-Ray Grou		
0147.nrgs341.097	180	9:58	15:25:47.1	+08:13:38	300	90	3.0	#59 X-Ray Grou		
0148.nrgs341.098	180	10:01	15:25:50.8	+08:23:43	300	90	3.0	#59 X-Ray Grou		
0149.COMP	5	10:04	15:25:50.8	+08:23:43	300	90	3.0	#59 X-Ray Grou		
0150.nrgs341.100	210	10:05	15:26:16.9	+08:34:47	300	90	3.0	#59 X-Ray Grou		
0151.COMP	5	10:09	15:26:16.9	+08:34:47	300	90	3.0	#59 X-Ray Grou		
0152.UKSCe1	720	10:13	16:15:30	-22:12:15	300	0	3.0	#12 Symbiotic		
0153.COMP	5	10:26	16:15:30	-22:12:15	300	0	3.0	#12 Symbiotic		



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9100

UT Date 2001-04-26 Observers P Berlind

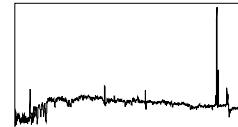
Coll. Focus 1075 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
154.157.Hen1341	90	10:28	17:08:36	-17:26:30	300	0	3.0	#12 Symbiotic		
0158.COMP	5	10:30	17:08:36	-17:26:30	300	0	3.0	#12 Symbiotic		
159.161.M1m21	360	10:31	17:34:17	-19:09:24	300	0	3.0	#12 Symbiotic		
0162.COMP	5	10:38	17:34:17	-19:09:24	300	0	3.0	#12 Symbiotic		
163.165.RTSer	360	10:40	17:39:52	-11:56:39	300	0	3.0	#12 Symbiotic		
0166.COMP	5	10:46	17:39:52	-11:56:39	300	0	3.0	#12 Symbiotic		
167.169.UUSer	600	10:49	17:42:39	-15:24:45	300	0	3.0	#12 Symbiotic		
0170.COMP	5	11:00	17:42:39	-15:24:45	300	0	3.0	#12 Symbiotic		
171.174.XXOph	10	11:02	17:43:56	-06:16:08	300	0	3.0	#12 Symbiotic		
0175.COMP	5	11:03	17:43:56	-06:16:08	300	0	3.0	#12 Symbiotic		
176.178.RS0ph	15	11:06	17:50:13	-06:42:30	300	0	3.0	#12 Symbiotic		
0179.COMP	5	11:07	17:50:13	-06:42:30	300	0	3.0	#12 Symbiotic		
180.183.HD154791	6	11:10	17:06:34	23:58:17	300	90	3.0	#12 Symbiotic		
0184.COMP	5	11:10	17:06:34	23:58:17	300	90	3.0	#12 Symbiotic		
185.188.V1016Cyg	60	11:13	19:57:05	39:49:37	300	90	3.0	#12 Symbiotic		
0189.COMP	5	11:14	19:57:05	39:49:37	300	90	3.0	#12 Symbiotic		
190.193.PUVul	60	11:17	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic		
0194.COMP	5	11:18	20:21:13	21:34:21	300	90	3.0	#12 Symbiotic		
195.198.CICyg	120	11:21	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic		
0199.COMP	5	11:23	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic		



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9101

UT Date 2001-04-26 Observers P BerlindColl. Focus 1075 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>Bir</i>	<i>Comments</i>
200.202.HD192281	5	11:25	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho		
203.COMP	5	11:25	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho		
204.213.BIAS	0	11:27	20:10:46.8	40:07:01	300	90	3.0	#12 Symbiotic		a few clouds @ dawn
214.223.FLAT	8	11:28	20:10:46.8	40:07:01	300	90	3.0	#12 Symbiotic		
224.233.BIAS	0	11:35	20:10:46.8	40:07:01	300	90	3.0	#12 Symbiotic		
234.243.FLAT	16	11:38	20:10:46.8	40:07:01	300	90	3.0	#12 Symbiotic		