



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9776

UT Date 2001-11-14 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:33	18:56:34.0	31:30:06	300	90	3.0	#57 Velocity S	4	
0002.DARK	900	22:33	19:11:45.0	31:30:04	300	90	3.0	#57 Velocity S	4	
0003.DARK	900	22:33	19:26:54.0	31:30:02	300	90	3.0	#57 Velocity S	4	
0004.DARK	900	22:33	19:42:05.0	31:30:00	300	90	3.0	#57 Velocity S	4	
0005.DARK	900	22:33	19:57:17.0	31:29:57	300	90	3.0	#57 Velocity S	4	
0006.DARK	900	22:33	20:12:24.0	31:29:56	300	90	3.0	#57 Velocity S	4	
0007.DARK	900	22:33	20:27:35.0	31:29:54	300	90	3.0	#57 Velocity S	4	
0008.DARK	900	22:33	20:42:47.0	31:29:52	300	90	3.0	#57 Velocity S	4	
0009.DARK	900	22:33	20:57:54.0	31:29:50	300	90	3.0	#57 Velocity S	4	
0010.DARK	900	22:33	21:13:06.0	31:29:49	300	90	3.0	#57 Velocity S	4	
0011-0020.BIAS	0	1:24	21:33:09.0	31:29:47	300	90	3.0	#57 Velocity S	4	
0021.FLAT	8	1:24	21:34:10.0	31:29:47	300	90	3.0	#57 Velocity S	4	lots of rain after sunset
0022-0030.FLAT	8	1:27	21:36:42.0	31:29:47	300	90	3.0	#57 Velocity S	4	
0031-0040.BIAS	0	1:31	21:40:39.0	31:29:47	300	90	3.0	#57 Velocity S	2	
0041.FLAT	16	1:31	21:41:14.0	31:29:47	300	90	3.0	#57 Velocity S	2	
0042-0050.FLAT	16	1:36	21:45:47.0	31:29:46	300	90	3.0	#57 Velocity S	2	
0051.HIP112148	15	1:36	22:42:57.3	+44:43:18	300	90	3.0	#89 Ae/Be Star	4	
0052.HIP112148	15	1:36	22:42:57.3	+44:43:18	300	90	3.0	#89 Ae/Be Star	4	
0053.COMP	5	1:36	22:42:57.3	+44:43:18	300	90	3.0	#89 Ae/Be Star	4	
0054.HIP112167	10	1:36	22:43:03.3	+38:46:07	300	90	3.0	#89 Ae/Be Star	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9777

UT Date 2001-11-14 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0055.HIP112167	15	1:36	22:43:03.3	+38:46:07	300	90	3.0	#89 Ae/Be Star	4	
0056.COMP	5	1:36	22:43:03.3	+38:46:07	300	90	3.0	#89 Ae/Be Star	4	
0057.HIP112182	30	1:36	22:43:15.2	+43:46:25	300	90	3.0	#89 Ae/Be Star	4	
0058.HIP112182	30	1:36	22:43:15.2	+43:46:25	300	90	3.0	#89 Ae/Be Star	4	
0059.COMP	5	1:36	22:43:15.2	+43:46:25	300	90	3.0	#89 Ae/Be Star	4	
0060.HIP112213	20	1:36	22:43:36.6	+40:23:06	300	90	3.0	#89 Ae/Be Star	4	hi Susan!
0061.HIP112213	20	1:36	22:43:36.6	+40:23:06	300	90	3.0	#89 Ae/Be Star	4	
0062.COMP	5	1:36	22:43:36.6	+40:23:06	300	90	3.0	#89 Ae/Be Star	4	
0063.HIP112293	20	1:36	22:44:43.3	+40:33:16	300	90	3.0	#89 Ae/Be Star	4	
0064.HIP112293	20	1:36	22:44:43.3	+40:33:16	300	90	3.0	#89 Ae/Be Star	4	
0065.COMP	5	1:36	22:44:43.3	+40:33:16	300	90	3.0	#89 Ae/Be Star	4	
0066.HIP112639	15	1:36	22:48:47.2	+46:22:11	300	90	3.0	#89 Ae/Be Star	4	
0067.HIP112639	15	1:36	22:48:47.2	+46:22:11	300	90	3.0	#89 Ae/Be Star	4	
0068.COMP	5	1:36	22:48:47.2	+46:22:11	300	90	3.0	#89 Ae/Be Star	4	
0069.HIP112700	10	1:36	22:49:21.6	+45:53:50	300	90	3.0	#89 Ae/Be Star	4	
0070.HIP112700	10	1:36	22:49:21.6	+45:53:50	300	90	3.0	#89 Ae/Be Star	4	
0071.COMP	5	1:36	22:49:21.6	+45:53:50	300	90	3.0	#89 Ae/Be Star	4	
0072.HIP112710	20	1:36	22:49:29.4	+45:46:59	300	90	3.0	#89 Ae/Be Star	4	
0073.HIP112710	20	1:36	22:49:29.4	+45:46:59	300	90	3.0	#89 Ae/Be Star	4	
0074.COMP	5	1:36	22:49:29.4	+45:46:59	300	90	3.0	#89 Ae/Be Star	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9778

UT Date 2001-11-14 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0075.HIP112805	10	1:36	22:50:40.5	+51:06:57	300	90	3.0	#89 Ae/Be Star	4	
0076.HIP112805	10	1:36	22:50:40.5	+51:06:57	300	90	3.0	#89 Ae/Be Star	4	
0077.COMP	5	1:36	22:50:40.5	+51:06:57	300	90	3.0	#89 Ae/Be Star	4	
0078.HIP112906	20	1:36	22:51:50.1	+39:08:41	300	90	3.0	#89 Ae/Be Star	4	
0079.HIP112906	20	1:36	22:51:50.1	+39:08:41	300	90	3.0	#89 Ae/Be Star	4	
0080.COMP	5	1:36	22:51:50.1	+39:08:41	300	90	3.0	#89 Ae/Be Star	4	
0081.HIP113003	10	1:36	22:53:07.3	+43:03:21	300	90	3.0	#89 Ae/Be Star	4	
0082.HIP113003	10	1:36	22:53:07.3	+43:03:21	300	90	3.0	#89 Ae/Be Star	4	
0083.COMP	5	1:36	22:53:07.3	+43:03:21	300	90	3.0	#89 Ae/Be Star	4	
0084.HIP113110	5	1:36	22:54:21.2	+43:31:42	300	90	3.0	#89 Ae/Be Star	4	
0085.HIP113110	5	1:36	22:54:21.2	+43:31:42	300	90	3.0	#89 Ae/Be Star	4	
0086.COMP	5	1:36	22:54:21.2	+43:31:42	300	90	3.0	#89 Ae/Be Star	4	
0087.HIP113145	5	1:36	22:54:43.9	+42:30:38	300	90	3.0	#89 Ae/Be Star	4	
0088.HIP113145	5	1:36	22:54:43.9	+42:30:38	300	90	3.0	#89 Ae/Be Star	4	
0089.HIP113145	5	1:36	22:54:43.9	+42:30:38	300	90	3.0	#89 Ae/Be Star	4	
0090.COMP	5	1:36	22:54:43.9	+42:30:38	300	90	3.0	#89 Ae/Be Star	4	
0091.HIP113187	20	1:36	22:55:13.8	+46:22:20	300	90	3.0	#89 Ae/Be Star	4	
0092.HIP113187	10	1:36	22:55:13.8	+46:22:20	300	90	3.0	#89 Ae/Be Star	4	
0093.COMP	5	1:36	22:55:13.8	+46:22:20	300	90	3.0	#89 Ae/Be Star	4	
0094.HIP113188	15	1:36	22:55:14.1	+49:58:42	300	90	3.0	#89 Ae/Be Star	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9779

UT Date 2001-11-14 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0095.HIP113188	15	1:36	22:55:14.1	+49:58:42	300	90	3.0	#89 Ae/Be Star	4	
0096.COMP	5	1:36	22:55:14.1	+49:58:42	300	90	3.0	#89 Ae/Be Star	4	
0097.HIP113208	10	1:36	22:55:31.4	+43:17:35	300	90	3.0	#89 Ae/Be Star	4	
0098.HIP113208	10	1:36	22:55:31.4	+43:17:35	300	90	3.0	#89 Ae/Be Star	4	
0099.COMP	5	1:36	22:55:31.4	+43:17:35	300	90	3.0	#89 Ae/Be Star	4	
0100.HIP113226	5	1:36	22:55:47.0	+43:33:33	300	90	3.0	#89 Ae/Be Star	4	
0101.HIP113226	5	1:36	22:55:47.0	+43:33:33	300	90	3.0	#89 Ae/Be Star	4	
0102.HIP113226	10	1:36	22:55:47.0	+43:33:33	300	90	3.0	#89 Ae/Be Star	4	
0103.COMP	5	1:36	22:55:47.0	+43:33:33	300	90	3.0	#89 Ae/Be Star	4	
0104.HIP113411.west	20	1:36	22:58:06.6	+41:56:04	300	90	3.0	#89 Ae/Be Star	4	
0105.HIP113411.west	20	1:36	22:58:06.6	+41:56:04	300	90	3.0	#89 Ae/Be Star	4	
0106.HIP113411.east	30	1:36	22:58:06.6	+41:56:04	300	90	3.0	#89 Ae/Be Star	4	
0107.HIP113411.east	60	1:36	22:58:06.6	+41:56:04	300	90	3.0	#89 Ae/Be Star	4	
0108.COMP	5	1:36	22:58:06.6	+41:56:04	300	90	3.0	#89 Ae/Be Star	4	
0109.HIP113469	5	1:36	22:58:45.7	+43:50:19	300	90	3.0	#89 Ae/Be Star	4	
0110.HIP113469	5	1:36	22:58:45.7	+43:50:19	300	90	3.0	#89 Ae/Be Star	4	
0111.HIP113469	3	1:36	22:58:45.7	+43:50:19	300	90	3.0	#89 Ae/Be Star	4	
0112.COMP	5	1:36	22:58:45.7	+43:50:19	300	90	3.0	#89 Ae/Be Star	4	
0113.HIP113474	10	1:36	22:58:49.5	+46:19:38	300	90	3.0	#89 Ae/Be Star	4	
0114.HIP113474	10	1:36	22:58:49.5	+46:19:38	300	90	3.0	#89 Ae/Be Star	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9780

UT Date 2001-11-14 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0115.COMP	5	1:36	22:58:49.5	+46:19:38	300	90	3.0	#89 Ae/Be Star	4	
0116.HIP113731	10	1:36	23:01:58.4	+47:00:59	300	90	3.0	#89 Ae/Be Star	4	
0117.HIP113731	10	1:36	23:01:58.4	+47:00:59	300	90	3.0	#89 Ae/Be Star	4	
0118.COMP	5	1:36	23:01:58.4	+47:00:59	300	90	3.0	#89 Ae/Be Star	4	
0119.HIP113835	30	1:36	23:03:08.3	+49:35:09	300	90	3.0	#89 Ae/Be Star	4	
0120.HIP113835	30	1:36	23:03:08.3	+49:35:09	300	90	3.0	#89 Ae/Be Star	4	
0121.COMP	5	1:36	23:03:08.3	+49:35:09	300	90	3.0	#89 Ae/Be Star	4	
0122.HIP113950	45	1:36	23:04:35.4	+44:13:10	300	90	3.0	#89 Ae/Be Star	4	
0123.HIP113950	45	1:36	23:04:35.4	+44:13:10	300	90	3.0	#89 Ae/Be Star	4	
0124.COMP	5	1:36	23:04:35.4	+44:13:10	300	90	3.0	#89 Ae/Be Star	4	
0125.HIP114097	4	1:36	23:06:32.1	+51:04:37	300	90	3.0	#89 Ae/Be Star	4	
0126.HIP114097	4	1:36	23:06:32.1	+51:04:37	300	90	3.0	#89 Ae/Be Star	4	
0127.COMP	5	1:36	23:06:32.1	+51:04:37	300	90	3.0	#89 Ae/Be Star	4	
0128.HIP114106	5	1:36	23:06:37.0	+42:39:26	300	90	3.0	#89 Ae/Be Star	4	
0129.HIP114106	6	1:36	23:06:37.0	+42:39:26	300	90	3.0	#89 Ae/Be Star	4	
0130.COMP	5	1:36	23:06:37.0	+42:39:26	300	90	3.0	#89 Ae/Be Star	4	
0131.HIP114134	10	1:36	23:06:53.9	+44:19:26	300	90	3.0	#89 Ae/Be Star	4	
0132.HIP114134	10	1:36	23:06:53.9	+44:19:26	300	90	3.0	#89 Ae/Be Star	4	
0133.HIP114134	10	1:36	23:06:53.9	+44:19:26	300	90	3.0	#89 Ae/Be Star	4	
0134.COMP	5	1:36	23:06:53.9	+44:19:26	300	90	3.0	#89 Ae/Be Star	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9781

UT Date 2001-11-14 Observers P Berlind

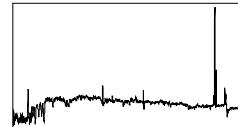
Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0135.HIP114153	45	1:36	23:07:05.5	+46:07:46	300	90	3.0	#89 Ae/Be Star	4	
0136.HIP114153	45	1:36	23:07:05.5	+46:07:46	300	90	3.0	#89 Ae/Be Star	4	
0137.COMP	5	1:36	23:07:05.5	+46:07:46	300	90	3.0	#89 Ae/Be Star	4	
0138.HIP114441	6	1:36	23:10:37.6	+46:22:40	300	90	3.0	#89 Ae/Be Star	4	
0139.HIP114441	6	1:36	23:10:37.6	+46:22:40	300	90	3.0	#89 Ae/Be Star	4	
0140.HIP114441	6	1:36	23:10:37.6	+46:22:40	300	90	3.0	#89 Ae/Be Star	4	
0141.COMP	5	1:36	23:10:37.6	+46:22:40	300	90	3.0	#89 Ae/Be Star	4	
0142.ZAnd	1	1:36	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0143.ZAnd	3	1:36	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0144.ZAnd	6	1:36	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0145.ZAnd	20	1:36	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0146.COMP	5	1:36	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0147.HD217086	5	1:36	22:54:49.0	62:27:35	300	90	3.0	#56 Spectropho	4	
0148.HD217086	5	1:36	22:54:49.0	62:27:35	300	90	3.0	#56 Spectropho	4	
0149.HD217086	5	1:36	22:54:49.0	62:27:35	300	90	3.0	#56 Spectropho	4	
0150.COMP	5	1:36	22:54:49.0	62:27:35	300	90	3.0	#56 Spectropho	4	
0151.M32	30	1:36	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0152.M32	30	1:36	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0153.COMP	5	1:36	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0154.158m213	330	1:36	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9782

UT Date 2001-11-14 Observers P Berlind

Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0155.COMP	5	1:36	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	
0156.a119c_637	1200	1:36	00:55:07.2	-3:48:03	300	90	3.0	#64 Cluster In	4	
0157.COMP	5	1:36	00:55:07.2	-3:48:03	300	90	3.0	#64 Cluster In	4	
0158.a119c_638	900	1:36	01:00:11.7	-4:54:53	300	90	3.0	#64 Cluster In	4	
0159.COMP	5	1:36	01:00:11.7	-4:54:53	300	90	3.0	#64 Cluster In	4	
0160.a119c_639	720	1:36	00:42:46.7	00:18:01	300	90	3.0	#64 Cluster In	4	
0161.COMP	5	1:36	00:42:46.7	00:18:01	300	90	3.0	#64 Cluster In	4	
0162.sn2001fw	1200	1:36	02:38:10.4	+30:50:54	300	90	3.0	#2 SN Observat	2	
0163.COMP	10	1:36	02:38:10.4	+30:50:54	300	90	3.0	#2 SN Observat	2	
0164.sn2001fw	1200	1:36	02:38:10.4	+30:50:54	300	90	3.0	#2 SN Observat	2	
0165.COMP	10	1:36	02:38:10.4	+30:50:54	300	90	3.0	#2 SN Observat	2	
0166.164vso-16782	330	1:36	05:01:53.1	-01:44:40	300	0	3.0	#112 Orion PMS	4	
0167.165vso-17887	330	1:36	05:04:35.1	-01:45:31	300	0	3.0	#112 Orion PMS	4	
0168.COMP	5	1:36	05:04:35.1	-01:45:31	300	0	3.0	#112 Orion PMS	4	
0169.166vso-18137	330	1:36	05:05:15.7	-01:57:05	300	0	3.0	#112 Orion PMS	4	
0170.167vso-19866	330	1:36	05:09:21.3	-01:51:10	300	0	3.0	#112 Orion PMS	4	
0171.COMP	5	1:36	05:09:21.3	-01:51:10	300	0	3.0	#112 Orion PMS	4	
0172.168vso-24079	330	1:36	05:18:45.9	-01:48:57	300	0	3.0	#112 Orion PMS	4	
0173.169vso-24290	330	1:36	05:19:15.1	-01:48:59	300	0	3.0	#112 Orion PMS	4	
0174.COMP	5	1:36	05:19:15.1	-01:48:59	300	0	3.0	#112 Orion PMS	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9783

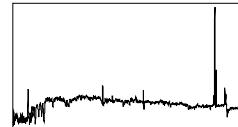
UT Date 2001-11-14 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0175.170vso-24399	330	1:36	05:19:31.2	-01:55:36	300	0	3.0	#112 Orion PMS	4	
0176.COMP	5	1:36	05:19:31.2	-01:55:36	300	0	3.0	#112 Orion PMS	4	
0177.82vso-45964	330	1:36	05:34:24.2	-00:33:10	300	0	3.0	#112 Orion PMS	4	
0178.83vso-45999	330	1:36	05:34:25.8	-00:41:48	300	0	3.0	#112 Orion PMS	4	
0179.COMP	5	1:36	05:34:25.8	-00:41:48	300	0	3.0	#112 Orion PMS	4	
0180.84vso-46129	330	1:36	05:34:35.8	-00:39:56	300	0	3.0	#112 Orion PMS	4	
0181.85vso-47140	330	1:36	05:35:39.2	-00:44:09	300	0	3.0	#112 Orion PMS	4	
0182.COMP	5	1:36	05:35:39.2	-00:44:09	300	0	3.0	#112 Orion PMS	4	
0183.86vso-47277	330	1:36	05:35:47.1	-00:47:40	300	0	3.0	#112 Orion PMS	4	
0184.87vso-47458	330	1:36	05:35:56.0	-00:45:18	300	0	3.0	#112 Orion PMS	4	
0185.COMP	5	1:36	05:35:56.0	-00:45:18	300	0	3.0	#112 Orion PMS	4	
0186.88vso-47961	330	1:36	05:36:21.9	-00:33:59	300	0	3.0	#112 Orion PMS	4	
0187.89vso-48054	360	1:36	05:36:28.2	-00:42:49	300	0	3.0	#112 Orion PMS	4	
0188.COMP	5	1:36	05:36:28.2	-00:42:49	300	0	3.0	#112 Orion PMS	4	
0189.90vso-48667	360	1:36	05:37:14.1	-00:49:02	300	0	3.0	#112 Orion PMS	4	
0190.91vso-48765	360	1:36	05:37:21.1	-00:33:40	300	0	3.0	#112 Orion PMS	4	
0191.COMP	5	1:36	05:37:21.1	-00:33:40	300	0	3.0	#112 Orion PMS	4	
0192.92vso-48767	360	1:36	05:37:21.2	-00:55:28	300	0	3.0	#112 Orion PMS	4	
0193.93vso-49478	360	1:36	05:38:10.7	-00:35:36	300	0	3.0	#112 Orion PMS	4	
0194.COMP	5	1:36	05:38:10.7	-00:35:36	300	0	3.0	#112 Orion PMS	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9784

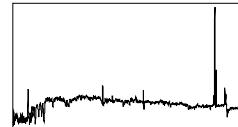
UT Date 2001-11-14 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0195.94vso-49501	360	1:36	05:38:12.3	-00:49:51	300	0	3.0	#112 Orion PMS	4	
0196.COMP	5	1:36	05:38:12.3	-00:49:51	300	0	3.0	#112 Orion PMS	4	
0197.95vso-49665	360	1:36	05:38:22.3	-00:48:32	300	0	3.0	#112 Orion PMS	4	
0198.96vso-49752	360	1:36	05:38:28.4	-00:43:59	300	0	3.0	#112 Orion PMS	4	
0199.COMP	5	1:36	05:38:28.4	-00:43:59	300	0	3.0	#112 Orion PMS	4	
0200.Akn120	180	1:36	05:13:38.0	-00:12:15	300	10	3.0	#6 AGN Monitor	4	
0201.COMP	5	1:36	05:13:38.0	-00:12:15	300	10	3.0	#6 AGN Monitor	4	
0202.97vso-49800	360	1:36	05:38:31.6	-00:31:52	300	0	3.0	#112 Orion PMS	4	
0203.98vso-49968	360	1:36	05:38:43.4	-00:36:32	300	0	3.0	#112 Orion PMS	4	
0204.COMP	5	1:36	05:38:43.4	-00:36:32	300	0	3.0	#112 Orion PMS	4	
0205.99vso-50191	360	1:36	05:38:58.4	-00:31:35	300	0	3.0	#112 Orion PMS	4	
0206.100vso-50197	360	1:36	05:38:58.9	-00:47:59	300	0	3.0	#112 Orion PMS	4	
0207.COMP	5	1:36	05:38:58.9	-00:47:59	300	0	3.0	#112 Orion PMS	4	
0208.101vso-50385	360	1:36	05:39:10.7	-00:54:22	300	0	3.0	#112 Orion PMS	4	
0209.102vso-51079	360	1:36	05:40:01.2	-00:46:21	300	0	3.0	#112 Orion PMS	4	
0210.COMP	5	1:36	05:40:01.2	-00:46:21	300	0	3.0	#112 Orion PMS	4	
0211.103vso-51558	360	1:36	05:40:34.3	-00:52:08	300	0	3.0	#112 Orion PMS	4	
0212.104vso-51728	360	1:36	05:40:47.7	-00:39:48	300	0	3.0	#112 Orion PMS	4	
0213.COMP	5	1:36	05:40:47.7	-00:39:48	300	0	3.0	#112 Orion PMS	4	
0214.Hiltner600	60	1:36	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9785

UT Date 2001-11-14 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0215.Hiltner600	60	1:36	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0216.COMP	10	1:36	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0217.105vso-51744	360	1:36	05:40:49.0	-00:41:32	300	0	3.0	#112 Orion PMS	4	
0218.106vso-51779	360	1:36	05:40:51.6	-00:36:12	300	0	3.0	#112 Orion PMS	4	
0219.COMP	5	1:36	05:40:51.6	-00:36:12	300	0	3.0	#112 Orion PMS	4	
0220.BGGem	1200	1:36	6:03:31	27:41:50	300	0	3.0	#100 BGGem	2	pa=90
0221.BGGem	300	1:36	6:03:31	27:41:50	300	0	3.0	#100 BGGem	2	
0222.COMP	10	1:36	6:03:31	27:41:50	300	0	3.0	#100 BGGem	2	
0223.sn2001ff	1200	1:36	08:57:00.9	+13:11:59	300	0	3.0	#2 SN Observat	2	
0224.COMP	10	1:36	08:57:00.9	+13:11:59	300	0	3.0	#2 SN Observat	2	
0225.sn2001fe	1200	1:36	09:37:57.1	+25:29:41	300	0	3.0	#2 SN Observat	2	nice and bright Ia!
0226.COMP	10	1:36	09:37:57.1	+25:29:41	300	0	3.0	#2 SN Observat	2	
0227.MRK110	360	1:36	09:25:12.9	+52:17:10	300	0	3.0	#6 AGN Monitor	4	
0228.COMP	5	1:36	09:25:12.9	+52:17:10	300	0	3.0	#6 AGN Monitor	4	
0229.N3227	90	1:36	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0230.N3227	90	1:36	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0231.N3227	90	1:36	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0232.COMP	5	1:36	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0233.MRK421	240	1:36	11:04:27.4	+38:12:32	300	0	3.0	#6 AGN Monitor	4	pa=90
0234.MRK421	240	1:36	11:04:27.4	+38:12:32	300	0	3.0	#6 AGN Monitor	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9786

UT Date 2001-11-14 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0235.COMP	5	1:36	11:04:27.4	+38:12:32	300	0	3.0	#6 AGN Monitor	4	
0236.sn2001fv	1200	1:36	11:04:01.6	+28:01:55	300	100	3.0	#2 SN Observat	2	
0237.COMP	10	1:36	11:04:01.6	+28:01:55	300	100	3.0	#2 SN Observat	2	
0238.Feige34	90	1:36	10:36:41.2	43:21:50	300	100	3.0	#56 Spectropho	2	
0239.Feige34	90	1:36	10:36:41.2	43:21:50	300	100	3.0	#56 Spectropho	2	
0240.COMP	10	1:36	10:36:41.2	43:21:50	300	100	3.0	#56 Spectropho	2	
0241.BIAS	0	1:36	10:36:41.2	43:21:50	300	100	3.0	#2 SN Observat	4	a few clouds around @ dawn
0242-0250.BIAS	0	12:58	10:36:41.2	43:21:50	300	100	3.0	#2 SN Observat	4	
0251-0260.FLAT	8	13:02	10:36:41.2	43:21:50	300	100	3.0	#2 SN Observat	4	
0261-0270.BIAS	0	13:05	10:36:41.2	43:21:50	300	100	3.0	#2 SN Observat	2	
0271-0280.FLAT	16	13:09	10:36:41.2	43:21:50	300	100	3.0	#2 SN Observat	2	
0281-0290.DARK	1200	16:12	10:36:41.2	43:21:50	300	100	3.0	#2 SN Observat	2	