



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9659

UT Date 2001-10-20 Observers P Berlind

Coll. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	1:07	19:37:08.0	31:29:58	300	90	3.0	#2 SN Observat	4	
0011.FLAT	8	1:07	19:37:42.0	31:29:58	300	90	3.0	#2 SN Observat	4	lots of cirrus
0012-0020.FLAT	8	1:09	19:40:06.0	31:29:58	300	90	3.0	#2 SN Observat	4	
0021-0030.BIAS	0	1:12	19:42:41.0	31:29:58	300	90	3.0	#2 SN Observat	2	
0031-0040.FLAT	16	1:17	19:47:41.0	31:29:57	300	90	3.0	#2 SN Observat	2	
0041.HD192281	5	1:17	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	
0042.HD192281	5	1:17	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	
0043.HD192281	5	1:17	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	
0044.COMP	10	1:17	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	
0045.HIP110790s	2	1:17	22:26:45.5	+37:26:37	300	90	3.0	#89 Ae/Be Star	4	south comp
0046.HIP110790s	1	1:17	22:26:45.5	+37:26:37	300	90	3.0	#89 Ae/Be Star	4	
0047.HIP110790s	1	1:17	22:26:45.5	+37:26:37	300	90	3.0	#89 Ae/Be Star	4	
0048.HIP110790n	5	1:17	22:26:45.5	+37:26:37	300	90	3.0	#89 Ae/Be Star	4	north comp; fainter
0049.HIP110790n	5	1:17	22:26:45.5	+37:26:37	300	90	3.0	#89 Ae/Be Star	4	
0050.HIP110790n	6	1:17	22:26:45.5	+37:26:37	300	90	3.0	#89 Ae/Be Star	4	
0051.COMP	5	1:17	22:26:45.5	+37:26:37	300	90	3.0	#89 Ae/Be Star	4	
0052.HIP110664	3	1:17	22:25:05.9	+44:32:18	300	90	3.0	#89 Ae/Be Star	4	
0053.HIP110664	3	1:17	22:25:05.9	+44:32:18	300	90	3.0	#89 Ae/Be Star	4	
0054.HIP110664	3	1:17	22:25:05.9	+44:32:18	300	90	3.0	#89 Ae/Be Star	4	
0055.COMP	5	1:17	22:25:05.9	+44:32:18	300	90	3.0	#89 Ae/Be Star	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9660

UT Date 2001-10-20 Observers P Berlind

Coll. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0056.HIP110476	6	1:17	22:22:41.3	+42:57:04	300	90	3.0	#89 Ae/Be Star	4	
0057.HIP110476	8	1:17	22:22:41.3	+42:57:04	300	90	3.0	#89 Ae/Be Star	4	
0058.HIP110476	8	1:17	22:22:41.3	+42:57:04	300	90	3.0	#89 Ae/Be Star	4	
0059.COMP	5	1:17	22:22:41.3	+42:57:04	300	90	3.0	#89 Ae/Be Star	4	
0060.HIP110700	8	1:17	22:25:43.6	+38:49:26	300	90	3.0	#89 Ae/Be Star	4	
0061.HIP110700	8	1:17	22:25:43.6	+38:49:26	300	90	3.0	#89 Ae/Be Star	4	
0062.HIP110700	15	1:17	22:25:43.6	+38:49:26	300	90	3.0	#89 Ae/Be Star	4	
0063.COMP	5	1:17	22:25:43.6	+38:49:26	300	90	3.0	#89 Ae/Be Star	4	
0064.HIP110804	30	1:17	22:26:58.2	+46:01:48	300	90	3.0	#89 Ae/Be Star	4	
0065.HIP110804	30	1:17	22:26:58.2	+46:01:48	300	90	3.0	#89 Ae/Be Star	4	
0066.HIP110804	60	1:17	22:26:58.2	+46:01:48	300	90	3.0	#89 Ae/Be Star	4	
0067.COMP	5	1:17	22:26:58.2	+46:01:48	300	90	3.0	#89 Ae/Be Star	4	
0068.HIP110835	30	1:17	22:27:17.3	+44:22:45	300	90	3.0	#89 Ae/Be Star	4	
0069.HIP110835	30	1:17	22:27:17.3	+44:22:45	300	90	3.0	#89 Ae/Be Star	4	
0070.HIP110835	30	1:17	22:27:17.3	+44:22:45	300	90	3.0	#89 Ae/Be Star	4	
0071.COMP	5	1:17	22:27:17.3	+44:22:45	300	90	3.0	#89 Ae/Be Star	4	
0072.MRK509	180	1:17	20:44:09.8	-10:43:24	300	0	3.0	#6 AGN Monitor	4	
0073.MRK509	180	1:17	20:44:09.8	-10:43:24	300	0	3.0	#6 AGN Monitor	4	
0074.COMP	5	1:17	20:44:09.8	-10:43:24	300	0	3.0	#6 AGN Monitor	4	
0075.id1360	600	1:17	20:06:57.8	35:42:52	300	0	3.0	#115 PMS NGC68	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9661

UT Date 2001-10-20 Observers P Berlind

Coll. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0076.COMP	5	1:17	20:06:57.8	35:42:52	300	0	3.0	#115 PMS NGC68	4	
0077.id1542	720	1:17	20:06:33.9	35:45:25	300	0	3.0	#115 PMS NGC68	4	
0078.COMP	5	1:17	20:06:33.9	35:45:25	300	0	3.0	#115 PMS NGC68	4	
0079.id1610	720	1:17	20:06:24.1	35:39:09	300	0	3.0	#115 PMS NGC68	4	
0080.COMP	5	1:17	20:06:24.1	35:39:09	300	0	3.0	#115 PMS NGC68	4	
0081.id2263	720	1:17	20:05:04.9	35:54:50	300	0	3.0	#115 PMS NGC68	4	clouds increasing
0082.COMP	5	1:17	20:05:04.9	35:54:50	300	0	3.0	#115 PMS NGC68	4	
0083.id2324	900	1:17	20:04:51.7	35:50:18	300	0	3.0	#115 PMS NGC68	4	
0084.COMP	5	1:17	20:04:51.7	35:50:18	300	0	3.0	#115 PMS NGC68	4	stopped by clouds
0085.id2371	1200	1:17	20:04:41.5	35:44:25	300	0	3.0	#115 PMS NGC68	4	
0086.COMP	5	1:17	20:04:41.5	35:44:25	300	0	3.0	#115 PMS NGC68	4	
0087.id2410	1200	1:17	20:04:33.4	35:49:48	300	0	3.0	#115 PMS NGC68	2	
0088.COMP	5	1:17	20:04:33.4	35:49:48	300	0	3.0	#115 PMS NGC68	2	
0089.id2747	900	1:17	19:59:21.7	35:20:46	300	0	3.0	#115 PMS NGC68	4	
0090.COMP	5	1:17	19:59:21.7	35:20:46	300	0	3.0	#115 PMS NGC68	4	
0091.id1088	720	1:17	20:07:26.6	35:53:04	300	0	3.0	#115 PMS NGC68	4	
0092.COMP	5	1:17	20:07:26.6	35:53:04	300	0	3.0	#115 PMS NGC68	4	
0093.BDp284211	60	1:17	21:48:57.1	28:37:48	300	77	3.0	#56 Spectropho	2	
0094.BDp284211	60	1:17	21:48:57.1	28:37:48	300	77	3.0	#56 Spectropho	2	
0095.COMP	10	1:17	21:48:57.1	28:37:48	300	77	3.0	#56 Spectropho	2	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9662

UT Date 2001-10-20 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0096.Akn564	240	1:17	22:42:39.4	+29:43:31	300	77	3.0	#6 AGN Monitor	4	good sky overhead
0097.Akn564	240	1:17	22:42:39.4	+29:43:31	300	77	3.0	#6 AGN Monitor	4	
0098.COMP	5	1:17	22:42:39.4	+29:43:31	300	77	3.0	#6 AGN Monitor	4	
0099.N7469	150	1:17	23:03:15.7	+08:52:27	300	28	3.0	#6 AGN Monitor	4	
0100.N7469	150	1:17	23:03:15.7	+08:52:27	300	28	3.0	#6 AGN Monitor	4	
0101.COMP	5	1:17	23:03:15.7	+08:52:27	300	28	3.0	#6 AGN Monitor	4	
0102.MRK335	120	1:17	00:06:19.6	+20:12:11	300	0	3.0	#6 AGN Monitor	4	
0103.MRK335	120	1:17	00:06:19.6	+20:12:11	300	0	3.0	#6 AGN Monitor	4	
0104.COMP	5	1:17	00:06:19.6	+20:12:11	300	0	3.0	#6 AGN Monitor	4	
0105.163m217	300	1:17	00:40:33.3	+41:11:20	300	90	3.0	#57 Velocity S	4	
0106.COMP	5	1:17	00:40:33.3	+41:11:20	300	90	3.0	#57 Velocity S	4	
0107.ZAnd	1	1:17	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0108.ZAnd	3	1:17	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0109.ZAnd	5	1:17	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0110.ZAnd	15	1:17	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0111.COMP	5	1:17	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0112.a168_154	900	1:17	01:13:57.6	1:00:05	300	90	3.0	#64 Cluster In	4	
0113.COMP	5	1:17	01:13:57.6	1:00:05	300	90	3.0	#64 Cluster In	4	
0114.a168_158	720	1:17	01:19:43.2	1:37:51	300	90	3.0	#64 Cluster In	4	
0115.COMP	5	1:17	01:19:43.2	1:37:51	300	90	3.0	#64 Cluster In	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9663

UT Date 2001-10-20 Observers P Berlind

Coll. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0116.a168_159	540	1:17	01:21:48.3	1:34:15	300	90	3.0	#64 Cluster In	4	
0117.COMP	5	1:17	01:21:48.3	1:34:15	300	90	3.0	#64 Cluster In	4	
0118.a168_161	600	1:17	01:21:32.3	1:32:48	300	90	3.0	#64 Cluster In	4	
0119.COMP	5	1:17	01:21:32.3	1:32:48	300	90	3.0	#64 Cluster In	4	
0120.sn2001en	1200	1:17	01:25:22.9	+34:01:30	300	0	3.0	#2 SN Observat	2	
0121.COMP	10	1:17	01:25:22.9	+34:01:30	300	0	3.0	#2 SN Observat	2	
0122.snNGC673	1200	1:17	01:48:22.2	+11:31:34	300	0	3.0	#2 SN Observat	2	v. suspicious
0123.COMP	10	1:17	01:48:22.2	+11:31:34	300	0	3.0	#2 SN Observat	2	
0124.a168_162	900	1:17	01:21:43.8	-0:22:47	300	90	3.0	#64 Cluster In	4	
0125.COMP	5	1:17	01:21:43.8	-0:22:47	300	90	3.0	#64 Cluster In	4	
0126.a168_163	900	1:17	01:20:54.5	-0:31:34	300	90	3.0	#64 Cluster In	4	
0127.COMP	5	1:17	01:20:54.5	-0:31:34	300	90	3.0	#64 Cluster In	4	
0128.a168_167	600	1:17	01:08:22.6	2:04:22	300	90	3.0	#64 Cluster In	4	
0129.COMP	5	1:17	01:08:22.6	2:04:22	300	90	3.0	#64 Cluster In	4	
0130.a168_168	720	1:17	01:19:54.6	2:19:35	300	90	3.0	#64 Cluster In	4	
0131.COMP	5	1:17	01:19:54.6	2:19:35	300	90	3.0	#64 Cluster In	4	
0132.snNGC673	1200	1:17	01:48:22.2	+11:31:34	300	45	3.0	#2 SN Observat	2	galactic dwarf nova
0133.COMP	10	1:17	01:48:22.2	+11:31:34	300	45	3.0	#2 SN Observat	2	
0134.a496_317	720	1:17	04:51:38.5	-15:27:00	300	45	3.0	#64 Cluster In	4	
0135.COMP	5	1:17	04:51:38.5	-15:27:00	300	45	3.0	#64 Cluster In	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9664

UT Date 2001-10-20 Observers P Berlind

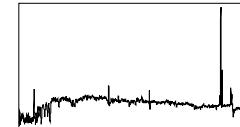
Coll. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0136.a496_318	300	1:17	04:47:51.9	-14:59:12	300	90	3.0	#64 Cluster In	4	more clouds
0137.COMP	5	1:17	04:47:51.9	-14:59:12	300	90	3.0	#64 Cluster In	4	
0138.a496_354	900	1:17	04:42:12.5	-15:01:20	300	90	3.0	#64 Cluster In	4	
0139.COMP	5	1:17	04:42:12.5	-15:01:20	300	90	3.0	#64 Cluster In	4	
0140.a496_399	900	1:17	04:30:07.0	-12:24:47	300	90	3.0	#64 Cluster In	4	
0141.COMP	5	1:17	04:30:07.0	-12:24:47	300	90	3.0	#64 Cluster In	4	
0142.a496_421	300	1:17	04:15:45.4	-13:28:41	300	90	3.0	#64 Cluster In	4	
0143.COMP	5	1:17	04:15:45.4	-13:28:41	300	90	3.0	#64 Cluster In	4	
0144.snNGC673	1200	1:17	01:48:22.2	+11:31:34	300	60	3.0	#2 SN Observat	2	
0145.COMP	10	1:17	01:48:22.2	+11:31:34	300	60	3.0	#2 SN Observat	2	
0146.sn2001ep	1200	1:17	04:57:00.2	-04:45:40	300	0	3.0	#2 SN Observat	2	clouds! at end of exp
0147.COMP	10	1:17	04:57:00.2	-04:45:40	300	0	3.0	#2 SN Observat	2	
0148.BGGem	1200	1:17	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	clouds
0149.COMP	10	1:17	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	stopped by clouds
0150.BGGem	720	1:17	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	weak
0151-0160.BIAS	0	11:29	6:03:31	27:41:50	300	90	3.0	#100 BGGem	4	
0161.FLAT	8	11:29	6:03:31	27:41:50	300	90	3.0	#100 BGGem	4	thick clouds @ twilight
0162-0170.FLAT	8	11:32	6:03:31	27:41:50	300	90	3.0	#100 BGGem	4	
0171-0180.BIAS	0	11:35	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0181-0190.FLAT	16	11:41	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9665

UT Date 2001-10-20 Observers P BerlindColl. Focus 1020 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>
0191-0195.DARK	1200	13:03	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	