



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



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UT Date 10/05/00 Observers P. BerlindColl. Focus 985 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
01.10.DARK	900	21:28	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S		
11.20.BIAS	0	0:55	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S		
21.30.FLAT	8	0:56	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S		
31.40.BIAS	0	0:59	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S		
41.50.FLAT	16	1:02	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S		solid clouds @ sunset
51.53.HD192281	5	1:54	20:12:33.1	+40:16:05	300	90	3.0	#56 Photometri		
0054.COMP	5	1:55	20:12:33.1	+40:16:05	300	90	3.0	#56 Photometri		
0055.2M175253.0p4105	90	1:56	17:52:53.0	+41:05:16	300	90	3.0	#68 2MASS Reds		
0056.COMP	5	1:58	17:52:53.0	+41:05:16	300	90	3.0	#68 2MASS Reds		
0057.2M175519.5p2840	90	1:59	17:55:19.5	+28:40:45	300	90	3.0	#68 2MASS Reds		
0058.COMP	5	2:01	17:55:19.5	+28:40:45	300	90	3.0	#68 2MASS Reds		
0059.2M175239.5p2903	180	2:02	17:52:39.4	+29:03:32	300	90	3.0	#68 2MASS Reds		redo; clouds...
0060.COMP	5	2:05	17:52:39.4	+29:03:32	300	90	3.0	#68 2MASS Reds		
0061.2M180341.0p5443	150	2:09	18:03:41.0	+54:43:02	300	90	3.0	#68 2MASS Reds		
0062.COMP	5	2:12	18:03:41.0	+54:43:02	300	90	3.0	#68 2MASS Reds		
0063.2M192821.5p5634	120	2:21	19:28:21.4	+56:34:56	300	90	3.0	#68 2MASS Reds		
0064.COMP	5	2:23	19:28:21.4	+56:34:56	300	90	3.0	#68 2MASS Reds		
0065.2M192843.0p5641	180	2:24	19:28:43.0	+56:41:14	300	90	3.0	#68 2MASS Reds		
0066.COMP	5	2:27	19:28:43.0	+56:41:14	300	90	3.0	#68 2MASS Reds		
0067.2M195232.0p5732	240	2:28	19:52:31.9	+57:32:54	300	90	3.0	#68 2MASS Reds		



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0068.COMP	5	2:32	19:52:31.9	+57:32:54	300	90	3.0	#68 2MASS Reds		
0069.2M195824.5p5257	130	2:33	19:58:24.4	+52:57:00	300	90	3.0	#68 2MASS Reds		stopped by clouds
0070.COMP	5	2:35	19:58:24.4	+52:57:00	300	90	3.0	#68 2MASS Reds		
71.72.BDp284211	45	5:07	21:51:11.0	+28:51:50	300	90	3.0	#56 Photometri		stopped...
0073.COMP	10	5:09	21:51:11.0	+28:51:50	300	90	3.0	#56 Photometri		
0074.id2356	300	5:12	20:04:44.4	35:40:46	300	90	3.0	#115 PMS NGC68		
0075.id2138	480	5:18	20:05:22.0	35:42:12	300	90	3.0	#115 PMS NGC68		stopped...
0076.COMP	5	5:26	20:05:22.0	35:42:12	300	90	3.0	#115 PMS NGC68		
0077.srgb037.083	600	5:49	23:34:16.0	+04:17:32	300	90	3.0	#59 X-Ray Grou		2 cosmic rays @ H-alpha
0078.COMP	5	5:59	23:34:16.0	+04:17:32	300	90	3.0	#59 X-Ray Grou		
0079.srgb037.081	180	6:01	23:33:51.1	+04:33:13	300	90	3.0	#59 X-Ray Grou		
0080.COMP	5	6:05	23:33:51.1	+04:33:13	300	90	3.0	#59 X-Ray Grou		
0081.srgb037.082	600	6:05	23:34:04.6	+03:24:48	300	90	3.0	#59 X-Ray Grou		
0082.COMP	5	6:16	23:34:04.6	+03:24:48	300	90	3.0	#59 X-Ray Grou		
0083.srgb037.084	900	6:16	23:34:59.0	+03:11:18	300	90	3.0	#59 X-Ray Grou		clearing nicely
0084.COMP	5	6:33	23:34:59.0	+03:11:18	300	90	3.0	#59 X-Ray Grou		
0085.srgb037.077	360	6:34	23:33:21.8	+04:10:52	300	90	3.0	#59 X-Ray Grou		
0086.COMP	5	6:40	23:33:21.8	+04:10:52	300	90	3.0	#59 X-Ray Grou		
0087.a119c_536	360	6:41	01:04:13.5	-0:30:11	300	90	3.0	#64 Cluster In		
0088.COMP	5	6:47	01:04:13.5	-0:30:11	300	90	3.0	#64 Cluster In		



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0089.a119c_537	600	6:48	01:10:40.8	00:16:27	300	90	3.0	#64 Cluster In		
0090.COMP	5	6:58	01:10:40.8	00:16:27	300	90	3.0	#64 Cluster In		
0091.a119c_539	420	6:59	00:55:22.6	-3:25:16	300	90	3.0	#64 Cluster In		
0092.COMP	5	7:06	00:55:22.6	-3:25:16	300	90	3.0	#64 Cluster In		
0093.a119c_540	720	7:07	00:56:04.1	-3:10:32	300	90	3.0	#64 Cluster In		
0094.COMP	5	7:19	00:56:04.1	-3:10:32	300	90	3.0	#64 Cluster In		
0095.a119c_541	720	7:20	01:03:53.0	-2:17:14	300	90	3.0	#64 Cluster In		
0096.COMP	5	7:32	01:03:53.0	-2:17:14	300	90	3.0	#64 Cluster In		
0097.SN2000dk	1200	7:34	01:07:23.5	+32:24:23	300	90	3.0	#2 SN Observat		
0098.COMP	10	7:54	01:07:23.5	+32:24:23	300	90	3.0	#2 SN Observat		
0099.a119c_542	420	7:56	00:54:12.8	-2:29:33	300	90	3.0	#64 Cluster In		
0100.COMP	5	8:03	00:54:12.8	-2:29:33	300	90	3.0	#64 Cluster In		
0101.a119c_543	600	8:04	00:54:15.3	01:04:39	300	90	3.0	#64 Cluster In		
0102.COMP	5	8:14	00:54:15.3	01:04:39	300	90	3.0	#64 Cluster In		
103.105.SN2000dq	1200	8:17	02:08:20.9	+01:11:00	300	0	3.0	#2 SN Observat		
104.106.COMP	10	8:38	02:08:20.9	+01:11:00	300	0	3.0	#2 SN Observat		
0107.Feige25	120	9:00	02:38:37.7	+05:28:11	300	0	3.0	#56 Photometri		
0108.COMP	10	9:03	02:38:37.7	+05:28:11	300	0	3.0	#56 Photometri		
0109.a119c_544	900	9:06	00:53:48.8	-2:23:56	300	0	3.0	#64 Cluster In		
0110.COMP	10	9:21	00:53:48.8	-2:23:56	300	0	3.0	#64 Cluster In		



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0111.a119c_545	600	9:22	01:09:40.1	00:13:51	300	0	3.0	#64 Cluster In		
0112.COMP	5	9:33	01:09:40.1	00:13:51	300	0	3.0	#64 Cluster In		
0113.a119c_546	600	9:33	01:04:23.7	-0:58:14	300	0	3.0	#64 Cluster In		
0114.COMP	5	9:44	01:04:23.7	-0:58:14	300	0	3.0	#64 Cluster In		
0115.a119c_551	480	9:44	00:56:47.8	00:42:35	300	0	3.0	#64 Cluster In		
0116.COMP	5	9:52	00:56:47.8	00:42:35	300	0	3.0	#64 Cluster In		
0117.a119c_552	360	9:53	00:54:58.6	-1:52:51	300	0	3.0	#64 Cluster In		
0118.COMP	5	9:59	00:54:58.6	-1:52:51	300	0	3.0	#64 Cluster In		
0119.a119c_553	360	10:00	00:53:41.3	-1:55:48	300	0	3.0	#64 Cluster In		
0120.COMP	5	10:06	00:53:41.3	-1:55:48	300	0	3.0	#64 Cluster In		
0121.a119c_554	480	10:07	00:56:46.2	00:11:11	300	0	3.0	#64 Cluster In		
0122.COMP	5	10:15	00:56:46.2	00:11:11	300	0	3.0	#64 Cluster In		
123.126.AXPer	1	10:17	1:36:23	54:15:03	300	0	3.0	#12 Symbiotic		
0127.COMP	5	10:20	1:36:23	54:15:03	300	0	3.0	#12 Symbiotic		
128.130.V741Per	10	10:21	1:58:50	52:53:47	300	0	3.0	#12 Symbiotic		
0131.COMP	5	10:28	1:58:50	52:53:47	300	0	3.0	#12 Symbiotic		
0132.a496_231	900	10:30	04:50:28.0	-14:16:30	300	0	3.0	#64 Cluster In		
0133.COMP	5	10:45	04:50:28.0	-14:16:30	300	0	3.0	#64 Cluster In		
0134.a496_232	600	10:46	04:33:35.1	-12:04:51	300	0	3.0	#64 Cluster In		
0135.COMP	5	10:56	04:33:35.1	-12:04:51	300	0	3.0	#64 Cluster In		



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0136.a496_233	330	10:57	04:31:12.9	-15:07:40	300	0	3.0	#64 Cluster In		
0137.COMP	5	11:03	04:31:12.9	-15:07:40	300	0	3.0	#64 Cluster In		
0138.a496_234	330	11:03	04:40:34.9	-14:02:40	300	0	3.0	#64 Cluster In		
0139.COMP	5	11:09	04:40:34.9	-14:02:40	300	0	3.0	#64 Cluster In		
0140.HZ14	300	11:11	04:41:01.0	+10:59:42	300	0	3.0	#56 Photometri		
0141.COMP	10	11:16	04:41:01.0	+10:59:42	300	0	3.0	#56 Photometri		
142.143.BGGem	180	11:19	6:03:31	27:41:50	300	90	3.0	#100 BGGem		
0144.COMP	10	11:38	6:03:31	27:41:50	300	90	3.0	#100 BGGem		
0145.COMP	10	11:41	6:03:31	27:41:50	1200	90	1.5	#100 BGGem		12001; 1.5 slit
0146.BGGem	180	11:45	6:03:31	27:41:50	1200	90	1.5	#100 BGGem		
0147.BGGem	600	11:48	6:03:31	27:41:50	1200	90	1.5	#100 BGGem		
0148.COMP	10	11:59	6:03:31	27:41:50	1200	90	1.5	#100 BGGem		
0149.BGGem	600	11:59	6:03:31	27:41:50	1200	90	1.5	#100 BGGem		
0150.COMP	10	12:10	6:03:31	27:41:50	1200	90	1.5	#100 BGGem		
151.152.Hiltner600	90	12:11	06:42:37	02:11:25	1200	90	1.5	#100 BGGem		
0153.COMP	10	12:15	06:42:37	02:11:25	1200	90	1.5	#100 BGGem		
154.163.FLAT	90	12:20	06:42:37	02:11:25	1200	90	1.5	#100 BGGem		clear @ dawn