



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 9890

UT Date 2001-12-13 Observers M CalkinsColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	3:59	02:17:39.0	31:29:50	300	90	3.0		4	
0002.DARK	900	3:59	02:32:49.0	31:29:52	300	90	3.0		4	
0003.DARK	900	3:59	02:47:57.0	31:29:54	300	90	3.0		4	
0004-0013.BIAS	0	5:32	03:36:26.0	31:30:01	300	90	3.0		4	
0014-0019.FLAT	6	5:35	03:38:53.0	31:30:01	300	90	3.0		4	
0020-0023.FLAT	6	5:36	03:39:46.0	31:30:02	300	90	3.0		4	
0024-0033.BIAS	0	5:39	03:42:57.0	31:30:02	300	90	3.0		2	
0034-0037.FLAT	12	5:41	03:45:12.0	31:30:02	300	90	3.0		2	
0038-0043.FLAT	12	5:43	03:47:44.0	31:30:03	300	90	3.0		2	
0044.Hiltner600	60	5:43	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	camera having problems due to temp...
0045.COMP	5	5:43	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0046.Hiltner600	60	5:43	06:42:37.2	02:11:25	300	47	3.0	#56 Spectropho	2	more camera woes...
0047.COMP	12	5:43	06:42:37.2	02:11:25	300	47	3.0	#56 Spectropho	2	
0048.sn2001gb	1200	5:43	09:59:00.9	+17:49:12	300	-12	3.0	#2 SN Observat	2	
0049.sn2001gb	1200	5:43	09:59:00.9	+17:49:12	300	-12	3.0	#2 SN Observat	2	
0050.COMP	12	5:43	09:59:00.9	+17:49:12	300	-12	3.0	#2 SN Observat	2	
0051.comak_055	780	5:43	12:40:11.3	33:06:39	300	90	3.0	#64f Cluster I	2	
0052.COMP	12	5:43	12:40:11.3	33:06:39	300	90	3.0	#64f Cluster I	2	
0053.comak_054	480	5:43	12:36:05.9	33:12:47	300	90	3.0	#64f Cluster I	2	
0054.COMP	12	5:43	12:36:05.9	33:12:47	300	90	3.0	#64f Cluster I	2	



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Page 9891

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0055.comak_056	480	5:43	12:48:06.4	33:21:20	300	90	3.0	#64f Cluster I	2	
0056.COMP	12	5:43	12:48:06.4	33:21:20	300	90	3.0	#64f Cluster I	2	
0057.comak_057	540	5:43	12:49:43.4	23:23:47	300	90	3.0	#64f Cluster I	2	
0058.COMP	12	5:43	12:49:43.4	23:23:47	300	90	3.0	#64f Cluster I	2	
0059.HZ44	120	5:43	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0060.COMP	12	5:43	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0061-0065.sky	2	13:51	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0066.COMP	5	13:51	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0067-0076.BIAS	0	13:53	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0077-0086.FLAT	6	13:56	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0087-0096.BIAS	0	13:59	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	2	
0097-0106.FLAT	12	14:03	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	2	
0107-0116.DARK	900	16:21	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	2	