



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



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UT Date 2005-02-13 Observers M Calkins

Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	1:34	03:58:05.5	+31:28:50	300	90	3.0	#64 Cluster an	4	
0002.DARK	900	1:49	04:13:16.4	+31:28:56	300	90	3.0	#64 Cluster an	4	
0003.DARK	900	2:04	04:28:23.8	+31:29:02	300	90	3.0	#64 Cluster an	4	
0004.DARK	900	2:20	04:43:34.2	+31:29:08	300	90	3.0	#64 Cluster an	4	
0005.DARK	900	2:35	04:58:41.5	+31:29:14	300	90	3.0	#64 Cluster an	4	
0006.DARK	900	2:50	05:13:52.5	+31:29:21	300	90	3.0	#64 Cluster an	4	
0007.DARK	900	3:05	05:28:59.6	+31:29:28	300	90	3.0	#64 Cluster an	4	
0008.DARK	900	3:20	05:44:10.5	+31:29:34	300	90	3.0	#64 Cluster an	4	
0009.DARK	900	3:35	05:59:17.8	+31:29:41	300	90	3.0	#64 Cluster an	4	
0010.DARK	900	3:50	06:14:28.9	+31:29:48	300	90	3.0	#64 Cluster an	4	
0011-0012.BIAS	0	6:10	08:19:11.2	+31:30:45	300	90	3.0	#64 Cluster an	4	
0013-0020.BIAS	0	6:10	08:20:03.5	+31:30:46	300	90	3.0	#64 Cluster an	4	
0021-0023.FLAT	6	6:12	08:21:25.9	+31:30:46	300	90	3.0	#64 Cluster an	4	
0024-0030.FLAT	6	6:13	08:22:53.0	+31:30:47	300	90	3.0	#64 Cluster an	4	
0031-0039.BIAS	0	6:17	08:26:16.6	+31:30:48	300	90	3.0	#64 Cluster an	2	
0040.BIAS	0	6:17	08:26:29.7	+31:30:49	300	90	3.0	#64 Cluster an	2	
0041-0045.FLAT	12	6:21	08:31:11.9	+31:30:50	300	90	3.0	#64 Cluster an	2	
0046-0050.FLAT	12	6:23	08:33:13.4	+31:30:51	300	90	3.0	#64 Cluster an	2	
0051.DARK	900	12:38	15:03:30.0	+31:31:24	300	90	3.0	#64 Cluster an	2	
0052.DARK	900	12:53	15:18:46.0	+31:31:20	300	90	3.0	#64 Cluster an	2	



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0053.DARK	900	13:08	15:34:01.8	+31:31:15	300	90	3.0	#64 Cluster an	2	
0054.DARK	900	13:23	15:49:14.2	+31:31:10	300	90	3.0	#64 Cluster an	2	
0055.DARK	900	13:39	16:04:29.9	+31:31:04	300	90	3.0	#64 Cluster an	2	
0056.DARK	900	13:54	16:19:45.8	+31:30:58	300	90	3.0	#64 Cluster an	2	
0057.DARK	900	14:09	16:35:01.6	+31:30:52	300	90	3.0	#64 Cluster an	2	
0058.DARK	900	14:24	16:50:17.2	+31:30:46	300	90	3.0	#64 Cluster an	2	
0059.DARK	900	14:39	17:05:29.7	+31:30:39	300	90	3.0	#64 Cluster an	2	
0060.DARK	900	14:55	17:20:45.4	+31:30:32	300	90	3.0	#64 Cluster an	2	