



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



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UT Date 2004-09-08 Observers M Calkins

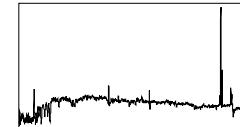
Coll. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	4:01	20:02:04.7	+31:29:00	300	90	3.0	#122 Halo Star	4	
0002.DARK	900	4:16	20:17:11.3	+31:28:55	300	90	3.0	#122 Halo Star	4	
0003.DARK	900	4:31	20:32:21.6	+31:28:50	300	90	3.0	#122 Halo Star	4	
0004.DARK	900	4:46	20:47:32.0	+31:28:46	300	90	3.0	#122 Halo Star	4	
0005.DARK	900	5:01	21:02:38.5	+31:28:42	300	90	3.0	#122 Halo Star	4	
0006.DARK	900	5:16	21:17:48.9	+31:28:38	300	90	3.0	#122 Halo Star	4	
0007.DARK	900	5:31	21:32:55.6	+31:28:34	300	90	3.0	#122 Halo Star	4	
0008.DARK	900	5:46	21:48:05.9	+31:28:31	300	90	3.0	#122 Halo Star	4	
0009.DARK	900	6:01	22:03:16.3	+31:28:28	300	90	3.0	#122 Halo Star	4	
0010.DARK	900	6:17	22:18:23.0	+31:28:26	300	90	3.0	#122 Halo Star	4	
0011-0020.BIAS	0	7:28	23:15:02.6	+31:28:19	300	90	3.0	#122 Halo Star	4	
0021-0030.FLAT	6	7:30	23:17:25.7	+31:28:19	300	90	3.0	#122 Halo Star	4	
0031-0040.BIAS	0	7:33	23:19:39.7	+31:28:19	300	90	3.0	#122 Halo Star	2	
0041-0050.FLAT	12	7:37	23:23:43.0	+31:28:19	300	90	3.0	#122 Halo Star	2	
0051.BDp284211	70	7:40	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0052.BDp284211	70	7:42	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0053.COMP	12	7:43	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0054.sn2004ef	1500	7:48	22:42:10.0	+19:59:40	300	43	3.0	#2 SN Observat	2	row=91
0055.sn2004ef	1500	8:14	22:42:10.0	+19:59:40	300	43	3.0	#2 SN Observat	2	
0056.COMP	12	8:39	22:42:10.0	+19:59:40	300	43	3.0	#2 SN Observat	2	



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<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>
0057.sn2004dt	600	11:32	02:02:12.7	-00:05:51	300	28	3.0	#2 SN Observat	2	fast moving hole, row=91
0058.COMP	12	11:43	02:02:12.7	-00:05:51	300	28	3.0	#2 SN Observat	2	
0059-0068.DARK	900	14:59	01:29:02.5	+39:24:23	300	90	3.0	#84f Updated Z	2	