WHIPPLE OBSERVATORY   FAST SPECTROGRAPH LOG

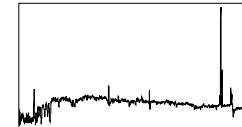UT Date _2002-02-11_   Observers _M Calkins_   Coll. Focus _1000_   Grating/Grism _300_

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	1:40	8:51:24.1	11:47:09	300	90	3.0	#10 M67 stars	4	
0011-0020.BIAS	0	2:03	8:51:24.1	11:47:09	300	90	3.0	#10 M67 stars	4	
0021-0030.FLAT	6	2:06	8:51:24.1	11:47:09	300	90	3.0	#10 M67 stars	4	
0031.BIAS	0	2:06	8:51:24.1	11:47:09	300	90	3.0	#10 M67 stars	2	windy
0032-0040.BIAS	0	2:11	8:51:24.1	11:47:09	300	90	3.0	#10 M67 stars	2	
0041.FLAT	12	2:11	8:51:24.1	11:47:09	300	90	3.0	#10 M67 stars	2	gusts to 170mph!
0042-0050.FLAT	12	2:15	8:51:24.1	11:47:09	300	90	3.0	#10 M67 stars	2	
0051.Feige34	120	2:15	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0052.COMP	12	2:15	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0053.Feige34	120	2:15	10:36:41.2	43:21:50	300	87	3.0	#56 Spectropho	2	
0054.COMP	12	2:15	10:36:41.2	43:21:50	300	87	3.0	#56 Spectropho	2	
0055.sn2002ar	1200	2:15	11:37:43.9	+22:00:34	300	65	3.0	#2 SN Observat	2	
0056.COMP	12	2:15	11:37:43.9	+22:00:34	300	65	3.0	#2 SN Observat	2	
0057.MRK421	360	2:15	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421	2	
0058.MRK421	360	2:15	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421	2	
0059.MRK421	360	2:15	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421	2	
0060.COMP	12	2:15	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421	2	
0061-0070.BIAS	0	13:00	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421	4	
0071-0080.FLAT	6	13:03	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421	4	
0081-0090.BIAS	0	13:05	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421	2	

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UT Date <u>2002-02-11</u> *Observers* <u>M Calkins</u>   *Coll. Focus* <u>1000</u> *Grating/Grism* <u>300</u>

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091-0100.FLAT	12	13:09	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421	2	
0101-0110.DARK	900	15:27	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421	2	