



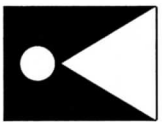
UT Date 02/02/05 Observers Samarasinha & Mueller Telescope 2.1m Scale 0.19 CCD F3KB Gain 1.00

Filters: 1 OH 2 UVC 3 CN 4 BC 5 C2 6 GC 7 RC 8 R Program \_\_\_\_\_

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
na0001	Bias	GC	0	21:42	-0:03	1.000			about 800 counts
na0002	Bias	GC	0	21:48	-0:03	1.000			
na0003	Bias	GC	0	21:49	-0:03	1.000			
na0004	Bias	GC	0	21:51	-0:03	1.000			
na0005	Bias	GC	0	21:52	-0:03	1.000			
na0006	Bias	GC	0	21:54	-0:03	1.000			
na0007	Bias	GC	0	21:55	-0:03	1.000			
na0008	Bias	GC	0	21:57	-0:03	1.000			
na0009	Bias	GC	0	21:58	-0:03	1.000			
na0010	Bias	GC	0	21:59	-0:03	1.000			
na0011	Dark	GC	0	22:32	-0:03	1.000			
na0012	dflat R	R	30	23:24	+0:00	2.012			about 17000 counts
na0013	dflat R	R	50	23:30	+0:00	2.012			about 28000 counts
na0014	dflat R	R	50	23:33	+0:00	2.012			
na0015	dflat R	R	50	23:35	+0:00	2.012			
na0016	dflat R	R	50	23:37	+0:00	2.012			
na0017	dflat R	R	50	23:40	+0:00	2.012			
na0018	dflat OH	OH	30	23:47	+0:00	2.012			only about 200 counts above bias
na0019	dflat UVC	UVC	30	23:56	+0:00	2.012			
na0020	dflat UVC	UVC	300	0:01	+0:00	2.012			10000 counts

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Disk Image	Title	Filter	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
na0021	dflat UVC	UVC	300	0:08	+0:00	2.012			
na0022	dflat UVC	UVC	300	0:15	+0:00	2.012			
na0023	dflat UVC	UVC	300	0:21	+0:00	2.012			
na0024	dflat UVC	UVC	300	0:28	+0:00	2.012			
na0025	dflat OH	OH	1800	0:35	+0:00	2.012			
na0026	focus	R	10	2:32	-0:07	1.001			missed the focus
na0027	focus	R	5	2:40	+0:00	1.000			went in the wrong direction
na0028	focus	R	5	2:48	+0:08	1.001			
na0029	pointing test	R	5	3:06	+0:24	1.004			
na0030	pointing test	R	5	3:11	+0:29	1.006			
na0031	pointing test	R	5	3:13	+0:31	1.007			
na0032	drift test	R	120	3:44	+2:13	1.271			
na0033	drift test	R	120	4:00	+2:30	1.297			
na0034	drift test	R	120	4:56	+3:26	1.414			
na0035	drift test	R	120	5:05	+3:35	1.437			
na0036	drift test on asteroid	R	189	5:28	-0:35	1.020			
na0037	drift test on asteroid	R	180	5:38	-0:25	1.015			
na0038	focus	R	5	6:12	+4:44	1.677			
na0039	focus	R	10	6:24	+4:57	1.736			
na0040	focus	R	10	6:37	+0:04	1.000			oops, mirror in TV position



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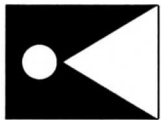
Disk Image	Title	Filter	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
na0041	focus	R	10	6:44	+0:10	1.001			missed the focus
na0042	focus	R	10	6:50	+0:17	1.002		1.5	21260 best @0.9C
na0043	focus narrowband	RC	30	7:06	+0:34	1.008			not enough counts, focus btw. 21300 & 21400
na0044	focus narrowband	RC	10	7:19	+0:22	1.023		1.4	overexposed bright star but get about 21400 focus for others
na0045	HD72526	RC	20	7:59	+0:48	1.210			10000 counts
na0046	HD72526	GC	30	8:03	+0:53	1.215			20000 counts
na0047	HD72526	C2	15	8:06	+0:55	1.219			22000 counts
na0048	HD72526	BC	40	8:08	+0:58	1.222			50000 counts
na0049	HD72526	CN	80	8:13	+1:03	1.230			50000 counts, sat?
na0050	HD72526	CN	40	8:17	+1:07	1.236			25000 counts
na0051	HD72526	BC	20	8:20	+1:10	1.241	21400	2.2	25000 counts
na0052	HD72526	UVC	120	8:22	+1:12	1.245			25000 counts
na0053	HD72526	OH	300	8:27	+1:17	1.254			8000 counts
na0054	PG9018+029	R	30	8:40	+0:41	1.164	21250	1.7	good counts
na0055	Tempel 1 R	R	60	8:53	-2:55	1.458			<i>cal limits obtained 4/9</i>
na0056	Tempel 1 R	R	600	8:59	-2:49	1.427			drift did not work
na0057	Tempel 1 R	R	600	9:22	-2:26	1.323	21250	2.3?	drift worked! about 8500 counts max
na0058	Tempel 1 GC	GC	900	9:38	-2:10	1.270			
na0059	Tempel 1 C2	C2	900	9:56	-1:52	1.217	21250	2.6?	max 1300 counts
na0060	Tempel 1 BC	BC	900	10:16	-1:32	1.172			



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Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
na0061	HD72526	RC	20	10:44	+3:34	1.995	21000	3.1	8000 counts bad focus
na0062	HD72526	GC	20	10:48	+3:38	2.045	21200	2.4	12000counts better focus
na0063	HD72526	C2	20	10:50	+3:40	2.079	21250	2.6	25000 counts focus a little worse
na0064	HD72526	BC	20	10:53	+3:43	2.119	21150	2.5	focus ok 12000 counts
na0065	HD72526	CN	20	10:56	+3:46	2.158	21200	2.4	8000 counts
na0066	HD72526	UVC	60	10:58	+3:48	2.188	21200	2.3	7000 counts
na0067	HD72526	OH	300	11:01	+3:51	2.231			1000 counts
na0068	PG9018+029	R	45	11:10	+3:13	1.696	21050	1.9	
na0069	Tempel 1 R	R	60	11:21	-0:27	1.094	21230	1.8	
na0070	Tempel 1 CN	CN	900	11:27	-0:21	1.091			barely visible!! <i>v35 counts above Bg</i>
na0071	Tempel 1 R	R	60	11:52	+0:03	1.087			
na0072	Tempel 1 OH	OH	900	11:58	+0:09	1.087			no signal at all
na0073	Tempel 1 RC	RC	600	12:17	+0:28	1.094			possibly on star?
na0074	Tempel 1 R	R	600	12:30	+0:42	1.104			on star
na0075	PG1323-086	R	30	12:51	+0:49	1.355	21200	1.5	
na0076	HD120086	RC	20	13:01	+0:38	1.230	21350	1.3	focus ok
na0077	HD120086	GC	20	13:04	+0:41	1.233		1.4	50000 counts
na0078	HD120086	C2	10	13:07	+0:44	1.236		1.4	50000 counts
na0079	HD120086	BC	10	13:09	+0:46	1.238		1.7	25000 counts
na0080	HD120086	CN	20	13:12	+0:49	1.241		1.8	30000 counts



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Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
na0081	HD120086	UVC	60	13:14	+0:51	1.244			saturated
na0082	HD120086	UVC	20	13:17	+0:54	1.249		1.8	25000 counts
na0083	HD120086	OH	300	13:20	+0:57	1.252			saturated
na0084	HD120086	OH	60	13:28	+1:05	1.264		1.8	12500 counts