

UT Date		12 MAR 2005		University of Maryland / Kitt Peak National Observatory Observing Log				Weather, Moon, Notes	
Page #	1 1 7								
Night #	2			CCD Characteristics		Pixel Scale		New moon clouds sitting to the west all day. end Next Star 2:23 start Next Star 12:47	
Telescope	KPNO 2.1 M			GAIN 2.3 e/ADU		0.19"			
Observer	MUELLER, FARNHAM			R.N. 7.5 e		← mag deep			
Assistant	—			Linear to ~60K					
Inst. / CCD	DIRECT CCD / E3KB	Filters		Airmass		Filter			
		1 OH	5 C2	RADIANT 75 su		Exp.			
		2 UV	6 GC			Track Rate			
		3 CN	7 RC			Comments			
		4 BC	8 R						

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Track Rate	Sub-Frame	Comments
1-10	BIAS	:::	:::		23:45						~90Z counts
11	DARK	:::	:::		:::		1800				DOME SHUTS DN.
12	DOME FLAT R	: WHITE	: SPOT		:::		50	R	DEF		29K
13	"	:::	:::		:::						low temp @ max
14	"	:::	:::		:::						
15	"	:::	:::		:::						
16	"	:::	:::		:::						
17	DOME FLAT CN	:::	:::		23:47		120	CN			14K
18	"	:::	:::		:::						high temp @ max
19	"	:::	:::		:::						
20	"	:::	:::		:::						
21	"	:::	:::		:::						
22	DOME FLAT BC	:::	:::		23:36		30	BC			20K
23	"	:::	:::		:::						high temp @ max
24	"	:::	:::		:::						

UT Date 12 MAR 2005	University of Maryland / Kitt Peak National Observatory		Weather, Moon, Notes <i>Clear</i>
Page # 2 / 7	Observing Log		
Night # 2	Filters		
Telescope KPNO 2.1 m	1 OH	5 CZ	Pixel Scale 0.19"
Observer MUELLER, FARNHAM	2 HV	6 GC	CCD Characteristics Gain 2.3 e-/ADU R.N., 7.5 e- LINEAR TO 60K Readout 75 sec
Assistant —	3 CN	7 RC	E
Inst. / CCD DIRECT CCD / F3KB	4 BC	8 R	N 1KAF DISPLAY

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Track Rate	Sub-Frame	Comments
25	"	:	:	:	:						
26	"	:	:	:	:						
27	DOME FLAT GC	:	:	:	23:58		7	GC			high lamp 19K
28	"	:	:	:	:		10				20K
29	"	:	:	:	:						
30	"	:	:	:	:						
31	"	:	:	:	:						
32	DOME FLAT CZ	:	:	:	23:58		30	CZ			high lamp 50 19K
33	"	:	:	:	:						
34	"	:	:	:	:						
35	"	:	:	:	:						
36	"	:	:	:	:						
37	DOME FLAT RC	:	:	:	0:09		7	RC			high lamp 50 23K
38	"	:	:	:	:						
39	"	:	:	:	:						

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Page #	3	17	Observing Log				<i>Cloudy in east can't open</i>	
Night #	2		CCD Characteristics			<div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div> Pixel Scale 0.19"		
Telescope	KPNO 2.1-M		Filters					
Observer	MUELLER, FARNHAM		1	OH	5			CL
Assistant	-		2	UV	6			GC
Inst./CCD	DIRECT CCD / F3KB		3	CN	7		RC	
			4	BC	8	R		
			Gain 2.3			E		
			R.M. 7.5			(10AF)		
			Limmer to ~60K			N		
			Readout 75sec					

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Track Rate	Sub-Frame	Comments
40	DOME FLAT RC	: :	: :		2:07		7	RC			
41	"	: :	: :		: :						high temp @ max 9K
42	DOME FLAT OH	: :	: :		0:18:		1800	OH			high temp @ max 10K
43	DOME FLAT UVC	: :	: :		1:00:		300	UVC			
44	"	: :	: :		: :						
45	"	: :	: :		: :						
46	"	: :	: :		: :						
47	"	: :	: :		: :						
48	DOME FLAT OH	: :	: :		2:07:		1800	OH			9K <i>closed due to clouds</i>
49	"	: :	: :		: :		1800	OH			
50	"	: :	: :		: :		1800	OH			
51	"	: :	: :		: :		1800	OH			
52	DOME FLAT UVC	: :	: :		4:19:		300	UVC			10K
53	"	: :	: :		: :						
54	"	: :	: :		: :						

UT Date	12 MAR 2005	University of Maryland / Kitt Peak National Observatory		Weather, Moon, Notes	
Page #	4 1 7	Observing Log		opening @ ~5UT clouds still in east.	
Night #	2	CCD Characteristics		Pixel Scale	
Telescope	KPNO 2.1-M	Gain 2.3 R.N. 7.5 Linear to ~60K Readout 75 sec		0.119"	
Observer	MUELLER, FARNHAM	Filters			
Assistant	—	1	DH	5	C2
Inst. / CCD	DIRECT CCD / F3KB	2	UV	6	GAC
		3	CN	7	RC
		4	BC	8	R

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Track Rate	Sub-Frame	Comments
55	FOCUS	8:40:18	32:06:31	2000	4:57:	1.001	7x7	R	Temp of Secondary 12.5C		best ~ 20620
56	"	:	:		:		"		12.7K	0.9"	Best @ 20670 (FOR ROUNDNESS)
57	COMET MACHHOLE 2004 Q2	7:41:43	84:47:17	2000	5:32:00	1.673	90	R			46K
58	"	:	:		5:38:	1.675	900	CN			HK
59	"	:	:		5:56:50	1.684	900	BC			east clearing? 6K
60	"	:	:		6:16:31	1.695	900	DH			~400 counts
61	"	:	:		6:35:01	1.706	900	OH			400 counts
62	"	:	:		6:53:55	1.719	900	CN			
63	"	:	:		7: : :	1.7	900	BC			
64	"	:	:		7:31:45	1.749	900	C2			23K
65	"	:	:		:		90	R			
66	"	:	:		7:52:36	1.767	900	CN			
67	HD 72526	8:33:22	0:18:29	2000	8:21:06	2.080	300	OH			4K
68	"	:	:		8:29:16	2.191	180	UV			50K
69	"	:	:		8:34:50	2.275	30	CN			30K

UT Date 12 MAR 2005	University of Maryland / Kitt Peak National Observatory		Weather, Moon, Notes clear?
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Night # 2	CCD Characteristics		Pixel Scale 0.19"
Telescope KPNO 2.1m	Filters		E (10AF)
Observer MUELLEN, FARNHAM	1 OH	5 C2	
Assistant -	2 UV	6 G2	
Inst. / COD DIRECT CCD / F3KB	3 CN	7 RC	
	4 BC	8 R	
	Gain 2.3 R.N 7.5 Sens to ~60K Read time 75 sec		N

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Track Rate	Sub-Frame	Comments
70	HD 72526	8:33:22	-0:18:29	2000	8:37:09	2.318	15	BC			40K
71	"	:	:		8:40:28	2.377	7	C2			30K
72	"	:	:		8:42:38	2.417	15	G2			28K
73	"	:	:		8:44:52	2.458	15	RC			30K
74	LANDOCT 100-267	:	:		8:52:	2.26	5	R			0
75	"	:	:		:	2.3	20	R			8K & 15K
76	"	:	:		9:00:49	2.402	30	R			15K
77	"	:	:		9:03:50	2.468	30	R			
78	COMET TEMPEL 1	13:29:41	11:21:44	2000	9:13:16	1.072	300	R			cal filter obtained 4/10
79	"	:	:		:	1.069	900	RC			3K
80	"	:	:		9:40:05	1.068	900	G2			2K
81	"	:	:		9:59:30	1.072	900	C2			2.7K
82	"	:	:		10:14:58	1.082	900	BC			1.7K
83	"	:	:		10:32:49	1.098	900	CN			1.1K
84	"	:	:		10:52:23	1.123	300	R			

UT Date	12 MAR 2005	University of Maryland / Kitt Peak National Observatory		Weather, Moon, Notes	
Page #	6 / 7	Observing Log		looks clear - huge low on horizon	
Night #	2	Pixel Scale			
Telescope	KPND 2.1m	CCD Characteristics		0.19"	
Observer	MUELLER, FARNHAM	Filters		E	
Assistant	-	1	DH	5	C2
Inst. / CCD	DIRECT CCD / F3KB	2	VV	6	GC
		3	CN	7	RC
		4	BC	8	R
		Gain 2.3		Read time 75 sec	
		R.N. 7.5			
		Linear to 68K			

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Track Rate	Sub-Frame	Comments
85	COMET TEMPEL 1	18:27:41	11:21:44	2000	11:00:	1.138	1800	DH			
86	"	:	:		11:35:	1.209	900	CN			
87	COMET TEMPEL 1 CHD 149363	16:34:28	-6:08:09	2000	12:05:	1.285	900	RC			12 K
88	"	:	:		12:06:52	1.283	9	GC			15 K
89	"	:	:		12:11:25	1.281	7	C2			20 K
90	"	:	:		12:13:40	1.279	9	BC			10 K
91	"	:	:		12:16:15	1.277	20	CN			10 K
92	"	:	:		12:18:34	1.278	120	DH			13 K
93	LANDOLT PG1633+099	16:35:34	9:47:04	2000	12:26:40	1.081	5	R			Bad focus!
94	"	:	:		12:33:	1.080	5	R			Focus still not good
95	"	:	:		12:35:	1.080	5	R			5K
96	LANDOLT PG1323-066	13:25:49	-8:50:02		12:43:44	2.080	10	R			poor focus
97	"	:	:		12:47:	2.135	10	R			3K Next. See log
98	CHD 120086	13:47:19	-2:26:37	2000	12:51:	1.725	9	RC			6K
99	"	:	:		12:54:	1.741	9	GC			15K

