

UT Date 2005 July 4  
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 Night # 3  
 Telescope KPND 4m  
 Observer FARUHAM, LI  
 Assistant ED EASTBURN  
 Inst. / CCD MOSAIC

University of Maryland / Kitt Peak National Observatory  
 Observing Log

Filters				CCD Characteristics		Pixel Scale
1	V	5	CN	GAIN: 3 e-/ADU		0.26"
2	R	6	C3	READ NOISE: 6 e- N		
3	DH	7	BC	LINEAR TO: 20K		
4	UC	8	CZ	READ TIME: 156 SEC	E	

Weather, Moon, Notes  
 clear during the day

9 RC 10 C0+

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
1-5	DOME FLAT R	:	:		:		12	R	LOW LAMP @ 53V
6-10	DOME FLAT V	:	:		:		12	V	"
11-15	DOME FLAT RC	:	:		:		12	RC	HIGH LAMP @ 20V
16-20	DOME FLAT CN	:	:		:		20	CN	HIGH LAMP @ 53V
21-25	DOME FLAT C3	:	:		:		15	C3	"
26-30	DOME FLAT BC	:	:		:		5	BC	"
31-35	DOME FLAT C0+	:	:		:		8	C0+	"
36-40	DOME FLAT CZ	:	:		:		6	CZ	HIGH LAMP @ 33V
41-45	DOME FLAT GC	:	:		:		10	GC	"
46-50	BIAS	:	:		:				J.L.
51	FOCUS	:	:		:		9x20	BC	BEST @ 11800
52	"	:	:		:		9x10	R	PROBLEMS w/TCS LAST NH RE
53	COMET TEMPEL 1	13:37:19	-9:36:11	2000	4:46	1.74	240	R	
54	COMET TEMPEL 1	:	:		4:55	1.83	600	CN	
55	"	:	:		5:10	1.95	600	BC	

UT Date	2005 July 4	University of Maryland / Kitt Peak National Observatory		Weather, Moon, Notes
Page #	2 / 3	Observing Log		Clear
Night #	3	Filters		Photometric
Telescope	KPND 4M	1: V	5: CN	Pixel Scale 0.26"
Observer	FARNHAM, LI	2: R	6: BC	
Assistant	ED EASTBURN	3: OH	7: C2	
Inst. / CCD	MDS/IC	4: MC	8: GC	
		CCD Characteristics		
		GAIN: 3e-/ADU		
		READ NOISE: 6e- N		
		LINEAR TD: 20K		
		READ TIME: 156 Sec		

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
56	COMET TEMPEL 1	13:37:19	-9:36:11	2000	5:18:54	2.1	240	R	
57	"	:	:		5:33:14	2.194	600	BC	
58	" IMPACT IMAGE	:	:		5:51:50	2.482	<del>600</del> 120	BC	24. 5:52:23 UT IMPACT!
59	"	:	:		5:57:36	2.604	120	BC	NETWORK/COMMANDS ARE SLOW!!!
60	"	:	:		<del>6:17:10</del>	<del>3.091</del>	600	CN	
61	"	:	:		6:17:10	3.091	600	BC	
62	"	:	:		6:32:33	3.641	240	R	
63	LANDPOT 111-2088	19:37:58	0:26:30	2000	7:55:30	1.177	10	R	NOT SAVED
64	"	:	:		7:59:33	1.175	3	R	
65	"	:	:		<del>8:15</del>	<del>1.175</del>	2	R	
66	<del>96</del> HD 170703	18:30:40	4:33:27	2000	8:15	1.195	<del>2</del>	CN	Advanced 400 Stop
67	"	:	:		8:37	1.195	<del>1</del>	BC	215M
68	HD 149363	16:57:33	6:12:10	2000	8:57	2.44	2	BC	
69	"	:	:		9:00	2.52	2	CN	
70	"	:	:		9:05	2.60	3	BC	

UT Date		2005 July 4		Weather, Moon, Notes	
Page #		3 / 3		Photometer	
Night #		3			
Telescope		KPNB 4m		Pixel Scale 0.26"	
Observer		FARNHAM Li		CCD Characteristics	
Assistant		ED EASTBYEN		GAIN: 3E/ADM READ NOISE: 6E- N	
Inst. / CCD		MOAIC		LINEAR TD: 20K READ TIME: 156 SEC	
				Epoch	
				2000	

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
71	HD 149363	: :	: :		9:09:	2.09	3	CN	
72	LANDOLT PG1633+099	16:35:24	9:47:45	2000	9:18:50	2.052	2	R	
73	"	: :	: :		9:24:14	2.132	2	R	
74	"	: :	: :		9:37:07	2.35	2	R	
75	"	: :	: :		9:49:51	2.610	2	R	
76	LANDOLT 110-232	<del>18:40:30</del> 18:40:30	-0:02:35	2000	9:59:	1.553	1.5	R	
77	"	: :	: :		10:13:40	1.641	3	R	
78	HD 170783	18:30:41	4:33:27	2000	: :	1.7	1	BC	
79	"	: :	: :		: :	1.7	2	CN	
80	COMET NEAT 2001 QZ4	<del>3:02:48</del> 3:02:48	59:57:03	2000	10:42	1.48	600	R	Shifted TEL.
82	"	: :	: :		10:58:12	1.430	600	R	
83	"	: :	: :		11:13:19	1.385	600	R	
		: :	: :		: :				
		: :	: :		: :				
		: :	: :		: :				