

UT Date	5/14/05		University of Maryland / Kitt Peak National Observatory Observing Log		Weather, Moon, Notes	
Page #	1/4					
Night #	1		CCD Characteristics		Pixel Scale 0.19	
Telescope	KPN0 2.1m		Gain: 2.30			
Observer	Samarasingha, Knight		READ NOISE:			
Assistant			LINEAR TO:			
Inst. / CCD	F3K6		READ TIME:			

P. flats from this night  
have an offset from  
subsequent nights  
→ dust speckle.  
→ ALL FILTERS.


Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Seeing	Comments
1-10	bias	:	:		21:17:		0			counts increased from 813-815
11	dark frame	:	:		21:36:		1800			temperature rising dewar was not filled recently
12	"	:	:		22:16:		1800			dewar refilled prior to this image
13	bias	:	:		23:06:		0			counts 819
14-22	"	:	:		23:08:		0			counts constant ~ 819
23-27	dome flat - R	:	:		23:30:		50	R		28K, low lamp @ high
28-32	dome flat - RC	:	:		23:46:		7	RC		hi lamp @ 50, 23K
33-37	dome flat - C2	:	:		23:56:		30	C2		" " 19K
38-42	dome flat - GC	:	:		00:08:		10	GC		hi lamp @ max, 19K
43	dome flat - OH	:	:		00:19:		1800	OH		" " 9K
44-48	dome flat - BC	:	:		01:29:		30	BC		" " 18K
49-53	dome flat - CN	:	:		01:41:		120	CN		" " 12K
54	dome flat - OH	:	:		02:01:		1800	OH		" "
55	focus - R	:	:		3:20:		10	R	1.8	focus 20460
56	machholz - R	:	:		3:41:	1.091	300	R		drifting not applied - delete

University of Maryland / Kitt Peak National Observatory		Weather, Moon, Notes	
UT Date: 5/14/05 Page #: 2/4		Observing Log	
Night #: 1	CCD Characteristics		
Telescope: 2.5m Cassegrain, Knight	Filters		Pixel Scale
Observer: QIM KNO	1: DH	5: C2	<div style="border: 1px solid black; width: 80px; height: 40px; margin: auto;"></div>
Assistant:	2: UV	6: GC	
Inst. / CCD: f320	3: CN	7: RC	
	4: BC	8: R	
		GAIN: _____ READ NOISE: _____ LINEAR TD: _____ READ TIME: _____	

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	seeing	Focus	Comments
56	Machholz	12:25:44.4	54:18:38.5		3:53:	1.085	300	R		20450	ratos are opposite - deleted
56	"	:	:		4:03:	1.084	300	R		20450	ratos applied properly
57	"	:	:		4:12:	1.081	900	CN		20550	counts ~ 1200 at center
58	"	:	:		4:33:	1.081	900	BC		"	
59	Tempel	12:52:07.1	8:41:19.6		5:00:	1.089	300	R		20450	
60	"	:	:		5:11:	1.092	900	CN		20550	Moved comet to N slightly to center
61	"	:	:		5:31:	1.099	900	BC		"	moved farther N
62	"	:	:		5:49:	1.121	300	R		20450	
63	HD 170783	18:31:04	4:37:37		6:04:	2.609	15	GC		20400	
64	"	:	:		6:08:	2.514	7	C2	2.0	"	
65	"	:	:		6:11:	2.453	7	BC		"	
66	"	:	:		6:13:	2.402	20	CN		"	
67	110-232 Lacholt	18:40:49	00:01:35		6:23:	2.604	200	R		20200	
68	Machholz	12:25:52	54:15:31		6:33:	1.177	900	CN		20550	
69	"	:	:		6:52:	1.211	900	BC		"	

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Night #	1		
Telescope	2.1M - KPNO	Pixel Scale	
Observer	Sameerashah, Knight	CCD Characteristics	
Assistant		GAIN: READ NOISE: LINEAR TO: READ TIME:	
Inst. / CCD	F3K6	Filters	
		1 : DH	5 : C2
		2 : UV	6 : GC
		3 : CN	7 : RC
		4 : BC	8 : R

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Focus	Comments
70	Machholz	12:25:52	54:15:31		7:10:	1.248	300	R	20450	
71	Tempel	12:52:05	8:40:40		7:21:	1.344	300	R	"	
72	"	:	:		7:29:	1.375	900	CN	20550	
73	"	:	:		7:49:	1.481	900	BC	"	
74	"	:	:		8:06:	1.586	300	R	20450	
75	HD 170783	18:31:04	4:37:37		8:21:	1.317	15	GC	20500	
76	"	:	:		8:26:	1.299	7	C2	20650	
77	"	:	:		8:30:	1.288	7	BC	"	
78	"	:	:		8:32:	1.280	20	CN	"	
79	110-232 Landolt	18:40:49	00:01:35		8:36:	1.366	20	R	20600	
80	Tempel	12:52:07	8:38:35		8:44:	1.934	300	R	20450	
81	"	:	:		8:52:	2.022	900	CN	<del>20550</del> 20550	
82	"	:	:		9:12:	2.341	900	BC	"	
83	"	:	:		9:30:	2.719	300	R	20450	
84	Machholz	12:25:51.7	54:10:52		9:41:	1.918	900	CN	20550	

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Night # <u>1</u>	CCD Characteristics		
Telescope <u>KPND-21M</u>	Filters		Pixel Scale
Observer <u>Samarasinha, Knight</u>	1 : <u>DA</u>	5 : <u>CA</u>	
Assistant	2 : <u>UV</u>	6 : <u>GC</u>	
	3 : <u>CN</u>	7 : <u>RC</u>	
Inst. / CCD <u>F3K8</u>	4 : <u>BC</u>	8 : <u>R</u>	
		GAIN: _____ READ NOISE: _____ LINEAR TO: _____ READ TIME: _____	

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Focus	Comments
85	Machholz	12:25:51.7	54:10:52		9:59	2.071	900	BC	20550	
86	Machholz	:	:		10:16	2.246	300	R	20450	
87	"	:	:		10:24	2.327	900	CN	20550	stopped after 560 sec - guide
88	"	:	:		10:34	2.448	900	CN	"	
89	HD 170783	18:31:04	4:37:37		11:00	1.135	15	GC	20700	
90	"	:	:		11:02	1.137	7	CA	"	
91	"	:	:		11:06	1.139	7	BC	"	
92	"	:	:		11:08	1.141	20	CN	"	focus looks poor
93	Landolt 110-232	18:40:49	00:01:35		11:13	1.191	20	R	20550	saturated
94	HD 219188	23:14:00	4:59:49		11:26	1.927	20	CN	20550	sky beginning to brighten
95	"	:	:		11:29	1.893	7	BC	"	
96	"	:	:		11:33	1.857	7	CA	"	
97	"	:	:		11:35	1.834	15	GC	"	saturated
		:	:		:					
		:	:		:					

too  
dark  
edge