

University of Maryland / Kitt Peak National Observatory		Weather, Moon, Notes							
UT Date <u>5/16/05</u>		not quarter moon thin clouds on horizons all night							
Page # <u>1 / 5</u>									
Night # <u>3</u>		Pixel Scale 0.19							
Telescope <u>KPNO 2.1-m</u>									
Observer <u>Samarasinha, Knight</u>		CCD Characteristics GAIN: 230 READ NOISE: LINEAR TO: READ TIME:							
Assistant									
Inst. / CCD <u>f3k6</u>		Filters							
		1	2	3	4	5	6	7	8
		OH	UV	CN	BC	C2	GC	RC	R

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Seeing	Focus	Comments
1-10	bias	:	:		21:36:		0				
11	dark	:	:		21:47:		1800				
12-16	dome flat - R	:	:		23:16:		50	R			low lamp @ Max, 28k.
17	dome flat - RC	:	:		23:29:		7	RC			" ← This should have been hi @ 50 - counts
18-22	dome flat - C2	:	:		23:34:		30	C2			hi lamp @ 50, 17k
23	"	:	:		23:50:		"	"			" , took one more to let
24-28	dome flat - GC	:	:		23:56:		10	GC			hi lamp @ Max, 18k.
29-33	dome flat - BC	:	:		0:06:		30	BC			" , 18k
34	dome flat - OH	:	:		0:18:		1800	OH			" , 9k
35-39	dome flat - CN	:	:		1:23:		120	CN			" , 13k
40	dome flat - OH	:	:		10:47:		1800	OH			
41	focus	12:27:52	55:57:59		20:57:	1.130	5	R	1.0	20-400	" seeing!
42	Machholz	12:27:48	53:18:23		3:14:	1.096	900	CN		20-500	sky background still high
43	"	:	:		3:31:	1.085	"	"		"	"
44	"	:	:		3:50:	1.077	"	"		"	"

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UT Date	5/16/05	Observing Log	
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Night #	3	Pixel Scale	
Telescope	KPN0 21-m		
Observer	Sarveswariha, Knight	CCD Characteristics	
Assistant			
Inst. / CCD	f31cb	Gain: Read Noise: Linear TO: Read Time:	
		Filters	
	1 : OA	5 : CA	
	2 : UV	6 : GC	
	3 : CN	7 : RC	
	4 : BC	8 : R	

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Seeing	Focus	Comments
405	Machholz	12:26:48	53:47:55	2000	4:07:	1.074	900	BC		20500	
46	"	:	:		4:24:	1.074	900	CN		"	
47	"	:	:		4:41:	1.076	300	R		20400	
48	Tempel	12:51:54	8:09:20	"	4:51:	1.093	300	R		"	
49	"	:	:		4:58:	1.095	900	CN		20500	
50	"	:	:		5:15:	1.103	900	BC		"	
51	"	:	:		5:32:	1.117	900	CA		"	
52	Tempel from 5/15/05 at 7UTC	12:51:59	8:24:11	"	5:54:	1.141	300	R	1.8	20400	calibration hold for yesterday's observations at 7UTC
53	Tempel from 5/15/05 at 9UTC	12:51:58	8:22:50	"	6:02:	1.158	300	R		"	" at 9:00 UTC
54	HD 170783	18:31:04	4:37:37	"	6:11:	2.294	20	CN		20550	standard field
55	"	:	:		6:14:	2.247	7	BC		"	
56	"	:	:		6:16:	2.211	7	CA		"	
57	"	:	:		6:19:	2.178	15	GC		"	
58	Landolt 110-232	18:40:49	00:01:35	"	6:23:	2.484	20	R	2.0	20300	
59	Machholz	12:07:58	53:13:16	"	6:32:	1.179	900	CN		20550	

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Night #	3	Pixel Scale	
Telescope	KPNO 2.1m		
Observer	Sarunasiva, Knight	CCD Characteristics	
Assistant			
Inst. / CCD	f3kb	GAIN: READ NOISE: LINEAR TD: READ TIME:	
		Filters	
		1 : 0A	5 : G3
		2 : UV	6 : GC
		3 : CN	7 : RC
		4 : BC	8 : R

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Seeing	Focus	Comments
60	Machholz	12:27:58	53:13:16	2000	6:49:	1.210	900	CN		20550	
61	Tempel 1	12:51:53	8:08:25	"	7:09:	1.337	300	R		20450	May have lost signal
62	"	:	:		7:18:	1.373	300	R		"	repointing due to - deleted
62	"	:	:		7:27:	1.413	300	R		"	OK
63	"	:	:		7:34:	1.452	900	CN		20550	
64	"	:	:		7:51:	1.548	900	CN		"	
65	HD 170783	18:31:04	4:37:37	"	8:12:	1.313	20	CN	2.0	"	
66	"	:	:		8:15:	1.307	7	BC		"	
67	"	:	:		8:18:	1.298	7	C2		"	
68	"	:	:		8:20:	1.291	15	GC		"	
69	Landolt 110-232	18:40:49	0:01:35	"	8:23:	1.385	20	R		20450	
70	Tempel 1	12:51:55	8:06:37	"	8:32:	1.899	300	R		20450	
71	"	:	:		8:39:	1.982	900	CN		20550	
72	"	:	:		8:57:	2.235	900	C2		"	
73	"	:	:		9:14:	2.578	900	GC		"	

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Observing Log			
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Night #	3		
Telescope	KPNO 21-M	Pixel Scale	
Observer	Samarasinha, Knight	CCD Characteristics	
Assistant		GAIN: READ NOISE: LINEAR TD: READ TIME:	
Inst. / CCD	F316b	Filters	
		1 : 0A	5 G2
		2 UV	6 GC
		3 CN	7 RC
		4 BC	8 R

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Seeing	Focus	Comments
74	Machholz	12:28:06	53:05:18	2000	9:40:	1.967	900	CN		20550	deleted-guider focus, head to
74	"	:	:		10:05:	2.213	900	CN		"	guider lost the focus--deleted
74	"	:	:		10:25:	2.446	"	"		"	
75	HD 1070783	18:31:04	4:37:30	"	10:44:	1.131	20	CN		"	out of focus--will redo
76	"	:	:		10:46:	1.132	7	BC		"	out of focus--will redo
77	"	:	:		10:51:	1.135	7	CA	1.3	20700	
78	"	:	:		10:54:	1.137	10	GC	1.3	"	
79	"	:	:		10:57:	1.138	20	CN		"	
80	"	:	:		10:59:	1.140	7	BC		"	
81	Landolt 110-232	18:40:50	6:01:35	"	11:01:	1.189	20	R	1.1	20600	
82	HD 319183	23:14:00	4:59:49	"	11:07:	2.074	6	GC		20700	focus bad
83	"	:	:		11:09:	2.027	6	GC		"	did wrong thing
84	"	:	:		11:12:	2.010	10	CN	1.2	20600	
85	"	:	:		11:15:	1.973	6	BC		"	
86	"	:	:		11:18:	1.927	6	CA		"	saturated

