

UT Date	9 APRIL 2005	University of Maryland / Kitt Peak National Observatory		Weather, Moon, Notes		
Page #	1 / 4	Observing Log		SKY IS CLEAR @ SUNSET		
Night #	1	Filters		NEW MOON		
Telescope	KPND 2.1 m	1	OH	5	CZ	Pixel Scale 0.19"
Observer	FARNHAM, KNIGHT, MALIN	2	HC	6	GC	
Assistant		3	CN	7	RC	
Inst. / CCD	DIRECT CCD / FSKB	4	BC	8	R	
		CCD Characteristics		Gain: 2.3 e-/ADU		
				READ NOISE: 7.5 e-		
				LINEAR TD: 60K		
				READ TIME: 75 SEC		

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
1	DARK	:	:	:	:		1800		
2-11	BIAS	:	:	:	:				~820 COUNTS
12-16	DOME FLAT - R	:	:	:	:		50	R	LOW LAMP @ MAX
17-21	DOME FLAT - CN	:	:	:	:		120	CN	HIGH LAMP @ MAX
22-26	DOME FLAT - BC	:	:	:	:		30	BC	"
27-31	DOME FLAT - BC CZ	:	:	:	:		10	BC CZ	"
32	DOME FLAT - OH	:	:	:	:		1800	OH	"
33-37	DOME FLAT - CZ	:	:	:	:		30	CZ	HIGH LAMP @ 50
38-42	DOME FLAT - RC	:	:	:	:		7	RC	"
43	FOCUS - R	NEAR ZENITH	:	:	:		7 x 5 sec	R	WENT THRU FOCUS NUM 20700
44	FOCUS - R	6:44	37:34	:	:		7 x 2 sec	R	SEEING ~ 1.4"
45	POINTING TEST	:	:	:	:		3	OH	LOOKS GOOD
46	COMET MACHOPUZ TEST	:	:	:	:		300	R	RA RATES WRENG
47	COMET MACHHOLE 2004 Q2	11:38:26	72:55:48	2000	4:09:00	1.370	240	R	
48	"	:	:	:	:	1.3	900	CN	1000 COUNTS NET

University of Maryland / Kitt Peak National Observatory
Observing Log

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Page #	2 / 4			
Night #	1			
Telescope	KPND 2.1-m			
Observer	FARNHAM, KNIGHT, NAGIN			
Assistant	---			
Inst. / CCD	DIRECT CCD / F3KB			

Weather, Moon, Notes	P. Atmospheric. getting windy maybe some wind shake
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Pixel Scale	0.19"																
CCD Characteristics	GAIN: 2.3 READ NOISE: 7.5 LINEAR TO: 60K READ TIME: 75 SEC																
Filters	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>1</td> <td>OH</td> <td>5</td> <td>CZ</td> </tr> <tr> <td>2</td> <td>UC</td> <td>6</td> <td>GC</td> </tr> <tr> <td>3</td> <td>CN</td> <td>7</td> <td>RC</td> </tr> <tr> <td>4</td> <td>BC</td> <td>8</td> <td>R</td> </tr> </table>	1	OH	5	CZ	2	UC	6	GC	3	CN	7	RC	4	BC	8	R
1	OH	5	CZ														
2	UC	6	GC														
3	CN	7	RC														
4	BC	8	R														

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
49	COMET MACHHOLE 2004 QZ	11:38:28	72:55:36	2000	4:37:00	1.348	900	BC	STOPPED EARLY GUIDING
50	"	:	:		:		900	BC	
51	"	:	:		5:10:30	1.331	900	CZ	
52	"	:	:		5:28:29	1.324	900	GC	
53	"	:	:		5:48:30	1.323	1200	OH	
54	"	:	:		6:12:10	1.324	900	CN	
55	COMET TEMPEL 1	13:14:57	13:09:57	2000	6:40:	1.079	300	R	FORMS 20050
56	"	:	:		6:49:	1.072	900	CN	17 K 200 NET
57	"	:	:		7:05:59	1.062	900	BC	800 NET
58	"	:	:		7:24:09	1.057	900	CZ	
59	"	:	:		7:46:35	1.059	900	GC	Getting wind shake
60	"	:	:		8:04:17	1.066	300	R	
61	COMET MACHHOLE 2004 QZ	11:38:43	72:44:25	2000	8:22:57	1.414	900	CN	
62	"	:	:		8:39:59	1.440	900	BC	
63	"	:	:		8:58:00	1.465	900	CZ	

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Page #	3 / 4		Observing Log				Clear but Windy	
Night #	1		CCD Characteristics				Pixel Scale	
Telescope	KPN0 2.1-m		GAIN: 0.1A				E	
Observer	FARNHAM, KNIGHT, MALIN		READ NOISE:				N	
Assistant	—		LINEAR TD:					
Inst. / CCD	DIRECT CCD / F3KB		SEND TIME:					
			Filters					
			1	OH	5	GZ		
			2	UC	6	GC		
			3	CN	7	RC		
			4	BL	8	R		

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
64	LANDOLT 110-232	18:40:40	00:03:02	2000	9:23:40	1.957	10	R	~6K
65	"	:	:		9:26:42	1.927	20	R	
66	LANDOLT P61528+062	15:30:50	6:00:51	2000	9:34:20	1.114	10	R	~3K check focus.
67	"	:	:		9:39:21	1.113	20	R	WORSE FOCUS
68	"	:	:		9:42:31	1.112	30	R	40K
69	LANDOLT 110-232	18:40:40	00:03:02	2000	9:51:27	1.703	20	R	12K
70	"	:	:		9:54:17	1.681	20	R	
71	LANDOLT 111-2008	19:38:27	00:31:11	2000	9:58:20	2.25	20	R	7K SEEING 7 PIX ⇒ 1.9"
72	"	:	:		10:00:00	2.219	20	R	
73	TEMPEL 1	13:14:47	13:09:59	2000	10:10:34	1.326	300	R	WIND MARKS
74	"	:	:		10:17:33	1.351	300	R	
75	LANDOLT 110-232	18:40:40	00:03:02	2000	10:29:10	1.470	20	R	8K
76	"	:	:		10:31:59	1.458	20	R	
77	COMET MACHHOLZ 2004Q2	11:39:06	72:46:03	2000	10:43:18	1.713	900	CN	
78	"	:	:		11:00:10	1.768	900	BC	

