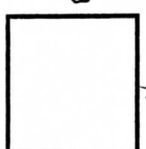


UT Date	10 APRIL 2005	University of Maryland / Kitt Peak National Observatory		Weather, Moon, Notes
Page #	1 1 5	Observing Log		<i>Looks flat at Sunset</i> <i>Sunset @ 1:51</i> <i>New moon.</i>
Night #	2	CCD Characteristics		
Telescope	KPND Z.1-2M	Gain: 2.3	Pixel Scale 0.19"	
Observer	FARUHAM, KNIGHT, NACIN	READ NOISE: 7.5		
Assistant	—	LINEAR TD: 60K		
Inst. / CCD	DIRECT CCO / F31KB	READ TIME: 75 SEC		

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
1	DARK	:	:		:		1800		Conn TEMP -43
2-16	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 - GC	:	:		:		10	GC	"
32-36	DOME FLAT - RC	:	:		:		7	RC	High lamp @ 50
37-38	DOME FLAT - OH	:	:		:		1800	OH	High lamp @ max
39-43	DOME FLAT - CZ	:	:		:		30	CZ	High lamp @ <del>max</del> 50
44	FOCUS FRAME - R	:	:		:		7 x 10s	R	but ~ 20900
45	FOCUS FRAME - R	:	:		:		"	R	but @ 20900
46	LANDOLT - ABORTED	:	:		:				
47	LANDOLT 104-443	12:42:16	-0:25:00	2000	2:51:40	2.440	20	R	8.4 pix = 1.6"
48	"	:	:		:	2.35	120	R	pretty faint
49	"	:	:		3:05:15	2.225	120	R	lots from SK counts

UT Date 10 APRIL 2005  
 Page # 2 1 5  
 Night # 2  
 Telescope KPN0 2.1 m  
 Observer FARNHAM, KNIGHT, MARLIN  
 Assistant  
 Inst./CCD DIRECT CCD / F3K9

University of Maryland / Kitt Peak National Observatory  
 Observing Log

Weather, Moon, Notes  
 look photo metric  
 wind ~ 20 mph

Filters		CCD Characteristics		Pixel Scale
1	DH	GAIN: 2.3	0.19"	E
2	UC	READ NOISE: 7.5		
3	CN	LINEAR TO: 60K		
4	BC	READ TIME: 75ms		

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
50	COMET TEMPEL 1	13:14:11	13:10:12	2000	3:14:07	2.024	300	R	13K
51	"	:	:		:		300	R	17K 1304 502
52	"	:	:		3:34:51	1.788	300	R	17K not guiding?
53	LANDOLT 104-443	12:42:16	-0:25:00	2000	3:45:25	1.753	120	R	7K
54	"	:	:		3:50:00	1.714	120	R	8.5K 9.3 per F3K9
55	COMET MACHHOLE <sup>2004Q2</sup>	11:40:34	72:23:45	2000	3:59:30	1.368	240	R	BAD NOT GUIDING
56	"	:	:		4:09:50	1.358	180	R	3.7K RESTARTED GUIDER
57	"	:	:		4:17:40	1.351	900	CN	
58	"	:	:		4:35:20	1.338	900	BC	
59	"	:	:		:	1.328	900	C2	
60	"	:	:		5:10:11	1.320	900	GC	
61	"	:	:		5:28:25	1.315	1800	DH	
62	"	:	:		6:01:23	1.312	900	CN	
63	LANDOLT 104-443	12:42:16	-0:25:00	2000	6:23:39	1.195	120	R	9K WRONG FIELD
64	"	:	:		6:28:00	1.192	120	R	"

UT Date		10 APRIL 2005		Weather, Moon, Notes	
Page #	3	1 5		Photometer	
Night #	2				
Telescope	KPNO 2.1 m		Pixel Scale 0.19"		
Observer	FRANKHAM, KNIGHT, NAGIN				
Assistant	-		CCD Characteristics GAIN: 2.3 READ NOISE: 7.5 LINEAR TO: 60K READ TIME: 75 $\mu$ s		
Inst. / CCD	DIRECT CCD / F3KB				

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
65	COMET TEMPEL 1	13:14:04	13:10:04	2000	6:37:29	1.077	300	R	
66	"	:	:		6:46:15	1.070	1800	OH	30 net counts
67	"	:	:		7:21:	1.056	900	CN	
68	"	:	:		7:38:58	1.057	900	BC	
69	"	:	:		7:57:53	1.065	900	CZ	
70	"	:	:		<del>8:11:11</del>	1.078	900	GC	
71	"	:	:		8:53:	1.127	300	R	
72	HD 120086	13:47:19	-2:26:36	2000	9:03:	1.262	10	RC	11K
73	"	:	:		9:05:55	1.266	10	GC	FWHM 9pix = 1.8"
74	"	:	:		9:08:30	1.270	10	CZ	
75	"	:	:		9:10:05	1.275	15	BC	
76	"	:	:		:	1.280	30	CN	26K
77	"	:	:		9:18:	1.282	180	OH	
78	LANDOLT 110-252	18:40:48	00:01:50	2000	9:29:58	1.855	20	R	5K
79	"	:	:		:		20	R	poor focus

UT Date		10 April 2005		Weather, Moon, Notes	
Page #		4 1 5		photometric	
Night #		2		wind picking up a little	
Telescope		KPN0 2.1m		Pixel Scale	
Observer		FARUVHWA, KNIGHT, NALIN		0.19"	
Assistant		-		E	
Inst. / CCD		DIRECT CCD / F3K0		N	
		Filters		CCD Characteristics	
		1 DH 5 C2		GAIN:	
		2 UC 6 GC		READ NOISE:	
		3 CN 7 RC		LINEAR TD:	
		4 BC 8 R		READ TIME:	

University of Maryland / Kitt Peak National Observatory  
Observing Log

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
B0	LANDOLT 111 - 2088	19:30:20	0:31:39	2000	09:40:00	2.514	30	R	11K
B1	"	:	:		09:43:25	2.445	30	R	
B2	HD 187350	19:49:31	-1:05:42	2000	09:47:32	2.691	20	<del>R?</del>	(no. of obs, so not reduce)
B3	"	:	:		9:52:51	2.577	5	GC OR RC?	part RC
B4	"	:	:		9:57:28	2.480	5	BC	1500
B5	"	:	:		10:00:00	2.424	10	C2	
B6	"	:	:		10:02:59	2.374	10	GC	2.9K
B7	"	:	:		10:05:50	2.324	30	CN	4.5K
B8	"	:	:		10:09:06	2.269	120	OH	~300 met. flipp
B9	COMET MACHHOLZ 2004 QZ	11:41:07	72:15:19	2000	10:23:21	1.656	900	CN	1400
90	"	:	:		10:42:37	1.714	900	BC	
91	HD 120086	13:47:19	-2:26:36	2000	11:04:12	1.774	10	GC	
92	"	:	:		11:07:13	1.800	10	<del>C2</del>	
93	"	:	:		11:10:	1.830	15	BC	11K
94	"	:	:		11:14:10	1.863	30	CN	11K
95	"	:	:		11:17:15	1.893	180	OH	2.0K

