


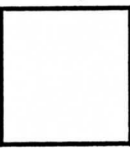
UT Date		University of Maryland / Kitt Peak National Observatory				Weather, Moon, Notes	
14 APRIL 2005		Observing Log				problem with cables during the day.	
Page #	1	Filters		CCD Characteristics		Day over claims to have precipit.	
Night #	6	1	DH	5	C2	patchy clouds @ sunset	
Telescope	KPND 2.1 m	2	UC	6	GC	Moon ~ 20% illum. set at 7:47	
Observer	FARNHAM, KNIGHT	3	CN	7	RC		
Assistant	—	4	BC	8	R		
Inst. / CCD	DIRECT CCD / F3KB	Pixel Scale		GAIN: 2.3 e ⁻ /ADU			
		0.19"		READ NOISE: 7.5 e ⁻			
		E		LINEAR TD: 60K			
		N		READ TIME: 75 sec			

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
1	DARK	:	:		:				DOME SLIT IS OPEN - DOME IS BRIGHT
2-11	BIAS	:	:		:				"
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	"
32-33	DOME FLAT - OH	:	:		:		1800	OH	"
34-38	DOME FLAT - C2	:	:		:		30	C2	"
39-43	DOME FLAT - RC	:	:		:		7	RC	"
44	FOCUS	:	:		:		7 x 7 sec	R	Clouds passing 10000 Ltr ~ 20:30
45	COMET MACHOZE 2004 QZ	11:48:03	70:17:21	2000	2:42:55	1.430	900	CN	~1700 counts shooting thru clouds.
46	"	:	:		2:50:		900	CN	
47	COMET TEMPEL 1	13:10:44	13:06:49	2000	3:21:39	1.733	300	R	17 K
48	"	:	:		3:29:18	1.667	300	R	
49	COMET MACHOZE 2004 QZ	11:48:03	70:17:21	2000	3:44:45	1.339	900	CN	

UT Date	14 APRIL 2005	University of Maryland / Kitt Peak National Observatory		Weather, Moon, Notes	
Page #	2	Observing Log		<i>Comes over most of the sky</i> 	
Night #	6	CCD Characteristics			
Telescope	KPND 2.1-M	GAIN: 2.3			
Observer	EARNHAM, KNIGHT	READ NOISE: 7.5			
Assistant	—	LINEAR TD: 60X			
Inst. / CCD	DIRECT CCD / F3KB	READ TIME: 75 sec		Pixel Scale 0.19"	
		Filters			
		1	OH	5	CZ
		2	MC	6	GC
		3	CN	7	RC
		4	BC	8	R

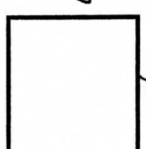
Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
50	COMET MACHHOLZ 2004 Q2	11:48:05	70:16:51	2000	4:02:20	1.321	900	BC	
51	"	:	:		4:19:21	1.306	900	CN	
52	COMET TEMPEL 1	13:10:40	13:06:33	2000	4:39:50	1.280	900	CN	X WRONG RATES
53	"	:	:		4:56:32	1.226	900	CN	
54	COMET MACHHOLZ 2004 Q2	11:48:11	70:14:29		5:18:06	1.276	900	CN	Sky clearing?
55	"	:	:		5:35:24	1.273	900	BC	
56	"	:	:		5:54:30	1.273	900	CN	
57	COMET TEMPEL 1	13:10:38	13:06:29	2000	6:15:27	1.081	300	R	
58	"	:	:		6:22:34	1.074	300	R	
59	LANDOLT 104-443	12:42:18	-0:25:01	2000	6:35:04	1.184	150	R	
60	"	:	:		6:37:33	1.184	150	R	
61	"	:	:		6:41:	1.184	150	R	Seeing ~ 9 pix 1.8"
62	LANDOLT PG 1657+078	16:59:32	7:43:10	2000	6:47:30	2.149	120	R	
63	"	:	:		6:51:40	2.089	120	R	
64	"	:	:		6:55:51	2.025	120	R	

post closing run note:
 Looks like sky had cleared by this time - fit is very good
 got 3 frames to look for clouds.

UT Date		14 APRIL 2005		University of Maryland / Kitt Peak National Observatory				Weather, Moon, Notes	
Page #		3 1 4		Observing Log				sky is cloudy - getting standards in case it is photometric.	
Night #		6		Filters				Pixel Scale	
Telescope		KAPD 2.1-AM		5		CZ		0.19"	
Observer		FARNHAM, KNIGHT		6		GC			
Assistant		—		7		RC			
Inst. / CCD		DIRECT CCD / F3KB		8		R		N	
				GAIN: 2.3		READ NOISE: 7.5			
				LINEAR TD: 60K		READ TIME: 75 sec			

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
65	LANDOLT PG 1633 +099	16:35:32	9:47:45	2000	7:02:05	1.665	30	R	
66	"	:	:		7:04:15	1.650	30	R	
67	"	:	:		:		30	R	
68	COMET MACHHOLE 2004 Q2	11:48:21	70:11:31	2000	7:12:10	1.306	900	CN	
69	"	:	:		7:29:35	1.322	900	BC	
70	"	:	:		7:47:20		900	CN	
71	COMET TEMPEL 1	13:10:33	13:06:21	2000	8:08:00	1.091	300	R	excellent focus
72	"	:	:		8:14:50	1.099	300	R	
73	"	:	:		8:21:44	1.109	900	CN	
74	"	:	:		8:39:21	1.137	900	GC	
75	"	:	:		8:57:06	1.175	300	R	
76	TEMPEL 1 CALIBRATION FIELD - APRIL 13 2005	13:11:27	13:07:37	2000	9:08	1.198	300	R	
77	"	13:12:19	13:09:12	2000	9:17:04	1.220	300	R	
78	"	13:29:43	11:22:26	2000	9:25:50	1.213	300	R	
79	LANDOLT PG 1512B +06Z	15:30:45	6:01:11	2000	9:34:35	1.113	30	R	Sony -1.2" light star
80	"						30	R	Saturated

University of Maryland / Kitt Peak National Observatory
Observing Log

UT Date	14 April 2005				Weather, Moon, Notes	Photometric? may have a fair amount of cloud passing. Looks photometric @ Summit - some clouds lower down	
Page #	4 1 4						
Night #	6						
Telescope	KPN0 2.1-m				Pixel Scale		0.19"
Observer	FARNHAM, KNIGHT						
Assistant	-						
Inst. / CCD	DIRECT CCD / F3x4B						
		Filters		CCD Characteristics			
	1	OH	5	G2	GAIN: 2.3		
	2	UC	6	GC	READ NOISE: 7.5		
	3	CN	7	RC	LINEAR TO: 60K		
	4	BC	8	R	READ TIME: 75 sec		

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
B1	LANDOLT PG 1528+02	15:30:50	6:01:11	2000	9:45:15	1.115	20	R	
B2	"	:	:		9:47:15	1.116	20	R	
B3	COMET MACHHOLE 2004 Q2	11:48:27	70:07:46	2000	9:53:55	1.581	900	BC BC	
B4	"	:	:		10:10:54	1.631	900	CN	
B5	LANDOLT 104-443	12:42:17	-0:25:10	2000	10:31:09	2.352	150	R	
B6	"	:	:		10:35:40	2.329	150	R	
B7	"	:	:		10:41:48	2.44	150	R	
B8	COMET TEMPEL 1	13:10:31	13:06:57	2000	10:50:10	1.714	300	R	
B9	"	:	:		10:56:53	1.776	300	R	
B9	COMET MACHHOLE 2004 Q2	11:48:42	70:06:49	2000	11:08:00	1.838	900	CN	
B9	COMET TEMPEL 1	13:10:31	13:06:57	2000	11:28:11	2.155	900	CN	
B9	"	:	:		11:45:40	2.468	300	R	
B9	"	:	:		11:52:40	2.622	300	R	Bottom of slit may be overexposed
B9	LANDOLT PG 1525 -071	15:28:13	-7:15:54	2000	12:02:50	1.72	20	R	
B9	"	:	:		12:05:20	1.739	30	R	
96	"	:	:		12:07:31	1.755	30	R	