

UT Date	5 JUN 2005	University of Maryland / Kitt Peak National Observatory		Weather, Moon, Notes
Page #	1 1 4	Observing Log		clear during the day.
Night #	2	Filters		clear at sunset.
Telescope	KPNO 2.1m	1 : OH	5 C2	new moon
Observer	FARNHAM	2 : UV	6 GC	
Assistant	—	3 : CN	7 RC	
Inst. / CCD	DIRECT CCD/F3KB	4 : BC	8 R	
		CCD Characteristics		Pixel Scale
		GAIN: 2.3 e/ADU		0.19"
		READ NOISE: 7.5 e		E
		LINEAR TO: 60K		
		READ TIME: 755u		N

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	counts	Comments
1-10	BIAS	:	:	:	:	:	:	:		
11	DARK	:	:	:	:	:	1800		~820	
12-21	DOME FLAT R	:	:	:	:	:	50	R	27K	low lamp @ max
22-31	DOME FLAT CN	:	:	:	:	:	120	CN	13K	high lamp @ max
32-33	DOME FLAT OH	:	:	:	:	:	1800	OH	8K	"
34-43	DOME FLAT BC	:	:	:	:	:	30	BC	19K	"
44-53	DOME FLAT GC	:	:	:	:	:	10	GC	19K	"
54-63	DOME FLAT C2	:	:	:	:	:	30	C2	17K	high lamp @ 50
64	FOCUS	:	:	:	:	:	7x5	CN		minim
65	"	:	:	:	:	:	7x10	BC		
66	"	:	:	:	:	:	7x5	BC	1.3" seeing	excellent focus & 20000 ~1.3"
67	LANSOLT 104-443	12:42:17	0:25:10	2000	3:30:50	1.186	20	R		poor focus - almost shift for 1.5 sec.
68	"	:	:	:	3:35:20	1.189	40	R		latter
69	"	:	:	:	3:38:41	1.190	60	R		
70	COMET MACHOLEZ 2004 B2	12:46:27	43:34:11	2000	3:50:31	1.026	600	R	25K	Seeing is "flaring" occasionally

UT Date <u>5 June 2005</u> Page # <u>2 1 4</u> Night # <u>2</u> Telescope <u>KPND 2.1m</u> Observer <u>FARUHAM</u> Assistant <u>—</u> Inst. / CCD <u>DIRECT CCD / F3KB</u>	University of Maryland / Kitt Peak National Observatory Observing Log	Weather, Moon, Notes <i>photometric?</i> <i>Seeing "flares" occasionally</i>	
CCD Characteristics GAIN: <u>2.3</u> READ NOISE: <u>7.5</u> LINEAR TO: <u>60K</u> READ TIME: <u>75 sec</u>		Pixel Scale <u>0.19"</u> <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> E </div>	
Filters			
1	OH	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	Count	Comments
71	COMET MACHHOLZ 2004 Q2	12:48:27	43:34:11	2000	4:03:20	1.032	900	CN	~100 int.	
72	"	:	:		4:21:55	1.044	600	R		
73	COMET TEMPEL 1	12:53:10	142:56	2000	4:31:40	1.280	600	R	32 K	
74	"	:	:		5:06:49	1.264	900	BC		
75	"	:	:		5:26:02	1.317	900	C2		
76	"	:	:		5:44:10	1.380	900	R		
77	"	:	:		6:01:50	1.456	900	CN	~200 int.	
78	"	:	:		6:16:40	1.547	900	GC		
79	"	:	:		6:37:09	1.668	900	R		
80	"	:	:		6:54:44	1.819	900	BC		
81	"	:	:		7:12:20	2.009	900	CN		
82	"	:	:		7:29:32	2.251	900	R		
83	COMET MACHHOLZ 2004 Q2	12:48:40	43:28:20	2000	8:55:50	1.857	900	R		
84	"	:	:		8:33:17	2.043	900	CN		
85	"	:	:		8:50:40	2.255	900	R		

UT Date	5 JUNE 2005		Weather, Moon, Notes
Page #	3	4	Photometric
Night #	2		
Telescope	KPN0 2.1 m		
Observer	FARNHAM		
Assistant	—		
Inst. / CCD	DIRECT CCD / F3KB		
University of Maryland / Kitt Peak National Observatory			
Observing Log			
Filters		CCD Characteristics	Pixel Scale
1	OH	5	0.19"
2	UV	6	
3	CN	7	
4	BC	8	
		GAIN: 2.3	E
		READ NOISE: 7.5	
		LINEAR TO: 60K	
		READ TIME: 75sec	

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Comments
86	LANDOLT PG 1525-071	15:26:13	-7:15:54	2000	9:13:10	2.031	30	R	max ~6K
87	"	:	:		9:18:23	2.086	60	R	
88	"	:	:		9:21:49	2.214	60	R	
89	"	:	:		9:40:10	2.41	60	R	
90	LANDOLT PG 1633+099	16:35:30	9:47:45	2000	9:50:34	1.366	30	R	max ~85K seeing 1.4" 7px
91	"	:	:		9:54:20	1.404	30	R	
92	HD 149363	16:34:28	-6:08:09	2000	10:02:58	1.825	30	BC	50K
93	"	:	:		10:06:10	1.854	60	CN	45K
94	"	:	:		10:09:42	1.887	10	CZ	35K
95	"	:	:		10:12:17	1.913	20	GC	40K
96	"	:	:		10:19:37	1.989	10	CZ	30K
97	"	:	:		10:21:51	2.012	20	GC	35K
98	"	:	:		10:25:09	2.050	30	BC	50K
99	"	19:49:33	-1:06:03	2000	10:27:41	2.083	60	CN	40K
100	HD 167350	:	:		10:35:43	1.195	20	BC	

UT Date	5 June 2005		Weather, Moon, Notes	
Page #	4 1 4		<i>Photometric</i>	
Night #	2			
Telescope	KANO 2.1m			
Observer	FACHHAM			
Assistant	-			
Inst. / CCD	DIRECT CCD / P314B		University of Maryland / Kitt Peak National Observatory Observing Log	
			Pixel Scale	D.19
			CCD Characteristics	E
			GAIN: 23	
			READ NOISE: 7.5	
			LINEAR TO: 60K	
			READ TIME: 755c	N
			Filters	
			1 OH	5 CZ
			2 UV	6 GC
			3 CN	7 RC
			4 BC	8 R

Frame #	Object	R.A.	Dec.	Epoch	Start UT	Airmass	Exp.	Filter	Counts	Comments
101	HD 187350	19:49:33	-1:06:03	2000	10:40:	1.190	60	CN		
102	"	:	:		10:42:30	1.190	10	CZ		
103	"	:	:		10:44:55	1.199	20	GC	30K	
104	HD 219188	23:14:00	4:54:49	2000	10:44:17	1.523	10	BC		X Saturated
105	"	:	:		10:51:39	1.510	5	BC	25K	
106	"	:	:		10:54:02	1.497	15	CN	Sat?	
107	"	:	:		10:56:26	1.483	10	CN	50K	
108	"	:	:		10:59:10	1.469	5	GC	40K	
109	"	:	:		11:01:50	1.454	5	CZ	20K	de-focused
110	LANDOLT Pg 2336+004	23:36:31	0:42:55	2000	11:04:50	1.646	20	R		Bright star Sat.
111	"	:	:		11:14:15	1.613	10	R		
112	"	:	:		11:16:53	1.596	9	R		
		:	:		:					
		:	:		:					
		:	:		:					
		:	:		:					