

University of Maryland / Kitt Peak National Observatory		Weather, Moon, Notes	
Observing Log		1st quarter moon	
UT Date	5/17/05		
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Night #	4		
Telescope	KPNO 21-m	Pixel Scale 0.19	
Observer	Somayajhi, Knight	CCD Characteristics	
Assistant		GAIN: 230 READ NOISE: LINEAR TO: READ TIME:	
Inst. / CCD	f3kb	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	Seeing	Focus	Comments
1-10	bias	:	:		22:06		0				~820 counts
11	dark	:	:		22:26		1800				~827 counts
12-16	dome flat - R	:	:		23:14		50	R		20400	low lamp @ max, 27k
17-21	dome flat - C2	:	:		23:33		30	C2			hi lamp @ 50, 18k
22-26	dome flat - GC	:	:		23:49		10	GC			hi lamp @ max, 17k
27-31	dome flat - BC	:	:		0:02		30	BC			" " 16k
32	dome flat - OH	:	:		0:16		1800	OH			" " high dome lights come on during exposure
33-37	dome flat - CN	:	:		1:17		120	CN			" " 12k
38	dome flat - OH	:	:		1:39		1800	OH			" " 8k
39	bias - R	12:27:12	56:51:39	2000	3:11	1.123	6	R	1.1		focus 20450
40	Machholz	12:28:22	52:47:10		3:25	1.083	900	CN		20550	definite cirrus clouds in area
41	"	:	:		3:44	1.074	900	CN		"	
42	"	:	:		4:03	1.071	300	R		20450	
43	"	:	:		4:10	1.070	900	CN		20550	
44	"	:	:		4:27	1.070	900	CN		"	still lots of thin clouds

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UT Date	5/17/05	Observing Log	
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Night #	4	CCD Characteristics	
Telescope	KPNO 2.1-m		
Observer	SARACASIAN, Knight	Pixel Scale	
Assistant		GAIN:	
Inst. / CCD	f3kb	READ NOISE:	
		LINEAR TO:	
		READ TIME:	
		[ ]	
		Filters	
	1 : OH	5	CR
	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
45	Machholz	12:28:52	52:47:10	2000	4:43:	1.074	900	BC		20550	
46	"	:	:		5:00:	1.081	300	R		20450	
47	Tempel 1	12:51:52	7:52:25	"	5:12:	1.106	300	R		"	wind gusting close to 45 mph
—	closed dome due to high winds	:	:		5:20:						
48, 49	focus	12:34:59	58:14:16	"	7:21:	1.312	60	R	1.4	20600	missed focus in 48, 49
50	Machholz	12:29:02	52:42:4	"	7:33:	1.322	900	CN		20900	
51	"	:	:		:		900	CN		"	
52	Tempel 1	12:51:50	7:50:40	"	8:10:	1.733	300	R		20800	
53	"	:	:		8:18:	1.803	900	CN		20900	
<del>54</del>	"	:	:		8:35:	1.990	900	CR		"	lost signal - aborted
54	"	:	:		8:41:	2.067	300	R		20800	clouds (mostly thin)
55	Machholz	12:29:05	52:41:22	"	:		900	CN		20900	panned several frames due to loss of signal - aborted
—	clouds at Machholz + T1	:	:		9:03:						
—	closed dome due to threatening clouds	:	:		9:30:						
		:	:		:						