

WIYN OBSERVATORY

DIRECT IMAGER LOG

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U.T. Date: Jan 10th, 11th, 20th Observers: RIT (Richmond, Connolly, Neves, Ristic, Symons, McCall)

OT: _____

Format: _____

Readout Noise: _____

Filter Wheel (1,2) 1 2 3 4 5 6 7 8
 Filter Slots: 1 U 2 B 3 V 4 R 5 J 6 7 8
 Gain: _____

Disk Pic#	Observation	Integ. Time	Start U.T.	Start H.A.	Air Mass	Focus	Filter	Secing	Remarks
1-10	dome flat B	8	2:28				B		Hob to move dome to correct flat position manually, now dome AZ is 68.3
11-20	dome flat V	6	2:38				V		(~25k, 26k)
21-30	Dome Flat R	8	2:51				R		
31-40	Dome Flat I	8	3:01				I		
32-40	"	8	3:04				I		
41	dome flat B	100	3:14				B		low 90%
42	"	"	3:19				"		low 100%
43	"	"	3:22				"		low 40%
44	"	"	3:28				"		low 45%
45	"	"	3:33				"		low 47.5% 98%
46	"	70	3:37				"		"
47	"	80	3:40				"		
48	"	70	3:43				"		
49	"	60	3:45				"		
50	"	50	3:48				"		
51	"	40	3:50				"		
52	"	30	3:52				"		
53	"	20	3:54				"		

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 CCD/comments: _____ / _____ Format: _____ Gain: _____ Readout Noise: _____
 Filter Wheel (1,2) _____ Filter Slots: 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 _____

Disk Pic#	Observation	Integ. Time	Start U.T.	Start H.A.	Air Mass	Focus	Filter	Seeing	Remarks
54	dome flat B	10	3:56				B		low 98%
55-57	bias		3:58						
58	dome flat B	10	4:01				B		
59		20							
60		30							
61	"	40	4:06				"		
62		58	4:08						
63		60	4:10						
64		70	4:13						
65		80	4:15						
66		90	4:18						
67		100	4:21				"		"
68	lowing, zenith	5				32733	V		
69	"	"				32501	"		set 32500
70	"	"				32551	"		set 32550
71	"	"	4:31			32603	"		set 32600
72	"	"				32654	"		set 32650
73	"	"				32704	"		set 32700
74	"	"				32756	"		set 32750 32750
75	"	"				32807	"		set 32800
76-105	65C 02950-0137	30	4:43	-2:11	1.131	32740	V		best: 32703

U.T. Date: _____ Observers: _____ OT: _____

CCD/comments: _____ / _____ Format: _____ Gain: _____ Readout Noise: _____

Filter Wheel (1,2) _____ Filter Slots: 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 _____

Disk Pic#	Observation	Integ. Time	Start U.T.	Start H.A.	Air Mass	Focus	Filter	Seeing	Remarks
									Aggressiveness set on MOSS is not what Peter had it set to when he got it working.
									→ Streak noise on image # 81, maybe 80 84.
106-115	GSC 02950-01137	30	5:17		1.077	32749	✓		→ More noise? Check all images.
116-120	"	"	5:30		1.069	32751	"		→ sudden jump to NOT my field @ 109,110
									→ connected it, but check all.
120-125	"	"	5:36	7:20	1.055	32753	"		→ Noise mostly occurs in top right (west)
126-130	"	"	5:42	7:14	1.019	32753	"		and mid-bottom left (east)
131	46P	30	5:52				✓		
132	"	11	5:56				✓		
133	38P	11	6:03				✓		
134-163	"	11	6:06				11		image 135 FWHM = 5.03
									image 140 FWHM = 6.11
									Guiding: gain = 0.05
									aggressiveness X = 4.0

(
not guiding in Y Y=0.0

U.T. Date: _____ Observers: _____ OT: _____
 CCD/comments: _____ / _____ Format: _____ Gain: _____ Readout Noise: _____
 Filter Wheel (1,2) _____ Filter Slots: 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 _____

Disk Pic#	Observation	Integ. Time	Start U.T.	Start H.A.	Air Mass	Focus	Filter	Seeing	Remarks
164-193	comet 38P	30	6:41				V		need to check communications settings
									image 150 FWHM = 4.42
									image 155 FWHM = 5.16
									image 160 FWHM = 5.09
									still some noise
									image 163 FWHM = 4.50
									image 173 FWHM = 4.80
									image 180 FWHM = 5.66
									image 187 FWHM = 4.90
									image 192 FWHM = 4.64
			7:15						no visible clouds
194-196	field 9	30	7:19	-1:50	1.283	32718	R		FWHM = 4.4
199-203	field 9	30	7:24	-1:40	1.213	"	F		
204-222	"	120	7:36	-1:32	1.196	"	"		FWHM = 4.37
224	M67 I	10	08:36	-00:19	1.069	32723	I		
225	"	3	08:41	-00:15	1.068	32725	I		
226-230	"	2	08:44	-00:12	1.067	"	I		
231-236	"	10	08:48	-00:08	1.066	"	I		
236-240	M67 R	2	08:53	-00:02	1.066	"	R		

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U.T. Date: _____ Observers: _____ OT: _____

CCD/comments: _____ / _____ Format: _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 _____
 Filter Wheel (1,2) _____ Filter Slots: 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 _____
 Readout Noise: _____

Disk Pix#	Observation	Integ. Time	Start U.T.	Start H.A.	Air Mass	Focus	Filter	Seeing	Remarks
241-245	M67 R	10	08:57	+00:01	1.066	32725	R		Smearly clouds to the south
AG-250	M67 V	2	09:03	+00:06	1.066	"	V		
251-255	"	15	09:07	+00:11	1.067	"	V		
256-259	M67 B	5	09:13	+00:17	1.069	"	B		
258-260	"	10	09:16	+00:20	1.070	"	B		
261-265	"	40	09:19	+00:23	1.071	"	B		
266	comet 46P	30	9:28				V		wrong field!
267	"	11	9:32				"		
268	"	11	9:34				"		
269	comet 38P	11	9:37				"		
270-279	"	11	9:41				"		
280-281	G5C 02950-01137	30	9:56	+3:00	1.252	32733	B		
282-289	" (G5C-B)	"	10:00	3:03	1.262	32733	B		
290-294	" (G5C-V)	"	10:09	3:13	1.295	32751	V		
295-299	" (G5C-B)	"	10:16	3:20	1.320	32780	B		
300-304	" (G5C-V)	"	10:23	3:27	1.347	32728	V		FWHM 5.0 pix with some noise
305-309	" (G5C-B)	"	10:30	3:33	1.373	32726	B		
310-339	" (G5C-V)	"	10:37	3:41	1.405	32725	V		Big light in dome on 306?
340	Field 2	10	11:14	7:53	1.115	32736	R		img 341 → FWHM ~ 6 pix
341-345	"	30	11:18	-1:50	1.109	32736	R		img 344 → FWHM ~ 5 pix
346-365	"	120	11:25	-1:43	1.095	32698	R		just focus to 32650 for 351

