



WYN OBSERVATORY

DIRECT IMAGER LOG

page (

McCall, Symons, Ristic

U.T. Date: Jan 6th 2019 Observers: RIT (Richman, Connolly, Nevels) OT:

CCD/comments: / Format: 1 2 3 4 5 6 7 8

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

Readout Noise:

Disk Pic #	Observation	Integ. Time	Start U.T	Start H.A.	Air Mass	Focus	Filter	Seeing	Remarks
			22:30						Dome Az: 73.6
									Dome was almost dead-on for dome flats! Not much adjustment was needed (if any).
									New Az: 67.8 (after moving)
									cleaning out thermal noise
									→ wrong directory?
									→ No, just UTAs not switched over. So images start where we left off last session.
148-150	bias								Use these (and 146)
151	dome flat	6	23:06				✓		50% high lamps
			23:06						67.5 dome Az
152	"		23:09				✓		50% high lamps
153	"	6					✓		lamp 200% high ~3k cts
154-155		10					✓		4k cts
156-157		120	23:21				✓		11k cts
158-159		60	23:31				✓		4k cts
160-161		6	23:38				✓		400% high lamp 10k cts
162-167		12	23:42				✓		17.5k cts
164-165		24	23:45				✓		32k cts

-1499;
145
146





U.T Date: Jan. 6 2019 Observers: BIT

OT:

CCD/comments: / Format: 1 2 3 4 5 6 7 8

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
106-16	dome flats	30	23:52				V		40k
108-109		36	23:57				V		42.5k 46k
1-2		50	00:01				V		65.535
3-4		40	00:08				V		50k
5-6		43	00:12				V		50-53k
7-8		46	00:16				V		55k
9-10		48	00:22				V		56k
11-12		50	00:26				V		At 00:27 dome azimuth 67
13-14		49	00:33				V		65.535 / 57-55k
15	focus V	5	04:16			32745	V		
16	"								
17	"					32600			+50 to foc each image; 5.4 pix
18						650			5.8
19						700			7.4
20						750			
21					800	800	300		
22					550	850			
23					500	900			best is 32617 T=35°F
24	test w/ new focus					32617			FWHM is 7.6 ???
25	46p V	30	04:35		1.42		V		FWHM 5.8, wrong field
26	" "					32550			4.9 " "
27	" "		04:40			32550			" "
28	" "					32500			correct field

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U.T. Date: Jan 6/7 2019 Observers: RIT

OT: _____

CCD/comments: _____ / _____ Format: _____ Gain: _____ Readout Noise: _____
 Filter Wheel (1,2) 1 Filter Slots: 1 U 6580 2 6620 3 V 6680 4 R Star 5 I 6 7 8

Disk Pix#	Observation	Integ. Time	Start U.T.	Start H.A.	Air Mass	Focus	Filter	Seeing	Remarks
29	46p focus V	5	04:46		1.4	32500	V		FWHM 6.9 pix
30						550			5.3
31						600			6.4
32						650			7.5
33						700			7.6
34						750			
35,36	Comet 46p V	30	04:57	-3 30	1.4	32550	V		best for 32550, FWHM 5.3 pix moved scope during 36
37	" " "								guide aggr 8,8 strange pattern at center zooms when examining in dog
38	GSC 02950-01137 V	30	05:00	-2 13	1.13		V		
47									
48-57	"	"	5:13	-1:59	1.108	32500	R		32500 → 32550 between 48-49
58-67	"	"	5:25	-1:47	1.09	32554	V		4.66 pix guidance until 52, guider was off
68-77	"	"	5:37	-1:34	1.07	32556	R		Note: guiding in Y, but not X. guiding off
78-87	"	"	5:50	-1:22	1.06	32559	V		
88-97	"	"	6:04	-1:07	1.04	32563	R		
98	comet 46p V	30	6:21	-1:54	1.2	32577	V		wrong coordinates
99	"	"	6:25		1.2		"		
100	"	"	6:27		1.2		"		

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

Disk Pic#	Observation	Integ. Time	Start U.T.	Start H.A.	Air Mass	Focus	Filter	Seeing	Remarks
101	comet 38P	10	6:31		1.2		V		? is there a comet here...?
102	"	30	6:34		1.15		V		↳ Yes! Just had to take 10s
103	"	"	6:37		1.15		"		
104-153	GSC 02950-01137	30	6:43	-0:28	1.0	32572	V	6.32pk	FWHM 6.32pk
154-173	"	"	7:40	+0:28	1.018	32577	V		
			7:44						Dome Az: 11.8
174	comet 46P	30	8:06				V		comet shift!
175	"	"	8:10				V		
176	"	"	8:13				V		use images 175-176
177	comet 38P	30	8:17		1.03		V		
178	"	11	8:20				V		
179-180	GSC 02950-01137	30	8:24	1:12	1.05	32587	V		FWHM ~ 3.1
181-190	"	"	8:28	1:10	1.05	32587	V		
191-200	"	"	8:40	1:28	1.06	32587	R		→ didn't change object, 0016!
201-210	"	"	8:53	1:41	1.08	32585	V		
211-220	"	"	9:06	1:55	1.10	32583	R		
221-230	"	"	9:18	2:06	1.12	32582	V		
231-280	"	"	9:31	2:19	1.12	32579	V		building turn-on: 237
									↳ some images streaky while guiding was being fixed
281-292	"	"	10:29	3:17	1.307	32565	V		

← currently marked as "V": hit at full well in R

