



WYN OBSERVATORY

DIRECT IMAGER LOG

Schmitt

U.T. Date: 1/20/2016 Observers: Richmond, Connelly, Punzi, Shah, OT:

CCD/comments: HD I / Filter Slots: 1 U 2 B 3 V 4 R 5 H $\beta$  wide 6 W034 7 W027 8 empty

Format: 1 amp Gain: Harris I 1467 1590 empty

Readout Noise: 5 H $\beta$  wide 6 W034 7 W027 8 empty

Disk Pic #	Observation	Integ. Time	Start U.T	Start H.A.	Air Mass	Focus	Filter	Seeing	Remarks
460	bias frames in early afternoon		23:11			32822	R		first few show defects from long resting period
-469	90 10								take more bias frames to flush chip
470	bias frames		23:34						cloudy
-489	90 20								
<del>490</del>	<del>90 20</del> Flat B								
1	Dome Flat - B	28							25017 / good flat B
2									1-5
3									
4									
5									
6	Dome flat - V	12							
7	Dome flat - V	14							good flat V
8									7-11
9									
10									
11									
12	Dome flat - R	9/12							38568
13	Dome flat - R	9							<del>38568</del> 291336
14									
15									B-17
16									
17									
18	Dome flat - I								29142

7408

7409

C140970001F



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U.T Date: 1-21-16

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
19	Dome flat - I	9							18-22
20									
21									
22									
23	Exp Short exp empty	5							40000   52095
24		5							40000   52095
25		3							21940   52111
26		1							<del>100</del> 10545   24352
27		0.5							4696   13219
28		0.25							7475
29		0.125							5180
30		0.0625							4065
31									
32									
33	Pleiades - flare V	5	1:49	-00:20	1.023	32700	V	1.5	Checking for focus
34		5				32800	V	2.28	
35		5				32900	V	4.30	
36	Pleiades flare V	30				32800		2.80	
37		300							
38									
39	Moon glare test R	300	9:00	-1:57	1.428	32851	R		
40		10							
41	Moon glare test R cont	10							
42	ASASSN-11045	30					V		Telescope appeared to move even after software was said its stopped

Crossed out  
bec it was wrong image #



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U.T Date: 1-21-16

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
42	moon glare test east	10	4:09		1.17	32806	V		
43	ASSASSN-16AS	30	4:27	-4:01	2.47	32806	V		Telescope appeared to move even
44	100 20 ASSASSN-16AS	30	4:35		2.34		V	4.86	
64	100 20	30	5:05		1.91	32811	V		
83	100	60	5:41		1.61	32817	V	4.11	Thin clouds overhead, thicker ones on the way
84	HH UMa	5	5:47		1.75	32836	R,I		Stat messed up, I = 0
85	"	5	5:57		1.72	32836	I	5.00	Didn't change object/etime =
86	"	5	6:01	6:05	1.69	32836	I	3.61	Readjusting focus
87	11 J0850	5	6:07	6:39	1.47	32842	R,I	4.02	Switching R, I R=odd I=even
136	"	5	6:43		1.44	32843	R,I	2.77	
187	50 137-186 (1) 187-236	5	7:25			32852	R,I		thin clouds at start then thick
237	HH UMa I	5	8:04		1.15	32857	I	3.1	switching to I only... no guiding
286	HH UMa I	5	8:39		1.08	32861	I	2.45	guiding came forward, image is shifted
287	HH UMa I	5	8:41		1.08	32861	I	2.56	
326	HH UMa I	5	9:15		1.04	32863	I	2.56	
337	HH UMa I	5	9:19		1.03	32863	I	2.10	
386	HH UMa I	5	9:53		1.01	32864	I	2.34	
387	Moon - Hx - V	1	3:06	2:54	1.77	31489	V-Hx		1 -120 offset
388	Moon Hx - V	1							changed position orbit table
389	Moon Hx - V	3							
390	IC 860 - V	15	3:17	-02:18	1.68	2:50	R		Clear - Clear Sky
391						3:23			
392									
393									

though software was said it was done slewing - image looks OK, no trailing

V-Hx

4:20 3:29 1:57

500

IC 860 - I

390

391