

U.T Date: 1/20/2016 Observers: Richmond, Genzel, Punzi, Shah, Schmidt OT: beginning 4:58 PM local timeCCD/comments: / Format: Gain: Readout Noise:Filter Wheel (1,2) Filter Slots: 1 U, 6580 2 B, 6620 3 V, 6660 4 R, 6740 5 H β , I (H α s)

Disk Pic #	Observation	Integ. Time	Start (U.T)	Start H.A.	Air Mass	Focus	Filter	Seeing	Remarks
341	bias frames	0:00	23:58						first few frames with previous night
342	"	"	"						C7407 (started on previous UT day)
343	"	"	"						
9-7	bias frames cont'd	"	00:00						now officially the 20 th / 21 st
8	Flat V+H α (6580)	10	01:13			V+H α			so files are prefixed C7408 now
9-13	"	100	01:17			"			done was ~2fl to right of proper position
14	Flat U	20	01:27			U			
15-18	"	"	01:30			"			counts ~ 23,750
19	Flat B	28	01:37			B			
20-23	"	"	01:39			"			counts ~ 27,900
24	Flat V	12	01:44			V			
25-28	"	"	01:46			"			counts ~ 25,000
29	Flat R	8	01:50			R			
30-33	"	"	01:52			"			counts ~ 25,500
34	Flat I	6	01:56			I			counts ~ 19,000 increasing exp. time
35-38	"	8	01:59			"			counts ~ 25,000
40	RZ Psc	15	02:13	1.07	32400	V			focusing... abouts
41	"	"	"		32700	"			FWHM ~ 4
42	"	"	"		32800	"		4.1	" ~ 4.1
43	"	"	"		32900	"		8.2	" ~ 8.2
44	"	"	02:20	1.09	32750	"		3.3	" ~ 3.32
45	RZ Psc U	30	02:30	1.1	32686	U			forgot to shift focus (-66)
46	"	40	02:34	1.11	"	"		3.6	FWHM ~ 3.6, good exp. time
47-48	"	"	"			"			

see page 1



U.T Date: 1/28/2016

Observers: Richmond, Connolly, Purnei, Schmidt, Sheh 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 (FWHM) in px	Remarks
49	RZ Psc U	300	02:42		1.12	32686	U	5	clear, lightwind
50-51	"	"	02:51	+2:15	1.14	"	"		
52	RZ Psc B	15	03:01	02:23	1.17	32750	B	4.7	
53-54	"	"	03:05	02:28	1.18	"	"		
55	"	150	03:07			"	"		
56-58	"	120	03:13	02:36	1.2	"	"		
59	RZ Psc V	10	03:23	02:45	1.22	"	V	3.8	counts on target ~ 15000 max
60-62	"	"			1.24	32742	"		
62	"	100	03:26	02:51	1.25	"	"		
63-64	"	"	03:30		1.26	32740	"		
65	RZ Psc R	10	03:36	02:59	1.28	"	R	3.7	
66-67	"	"	03:39	03:01	1.29	"	"		
68-70	"	100	03:41	03:04	1.30	32738	"		
71-73	RZ Psc I	10	03:52	03:53	1.35	32734	I	3.99	
74-76	"	100	03:51	04:02	1.38	32731	"		
77-82	RZ Psc U	15	4:19	03:44	32654	48	U		Ugly, no alibi (img's fine)
83	RZ Psc B	300	4:20	03:45	1.5	32685	U	4.0	windy but still clear
84	"	15	04:50	+1	1.72	32750	B	5.14	
85	"	"				32650	"	7.45	
86	"	"				32850	"	5.84	
87-89	"	300	05:03	04:27	1.83	32782	"	6.16	going back to 32750...
90	Moon V+Hx	0.5	05:25		1.03	32750	"	~5	seeing is not great but still clear
91	"	1			1.03	32743	V+Hx		



U.T. Date: 1/20/2016

Observers: Richard Connelly, Pawel, Schmidt, Shek 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
92	HH UMa R	5	05:34		2.02	32393	R		oops, did not move focus
93	"	"				32753	"	7.55	
94	"	"			1.97	32810	"	6.12	
95	"	"	05:42			32857	"	7.85	
96	"	"			1.91	32790	"	5.66	
97	HH UMa I	"	5:48		1.88	32794	I	5.79	
98-147	HH UMa, R, I	"	5:50				R, I		Switching filters I=even R=odd
146	HH UMa R	"	6:25		1.57	32808	R	6.00	
147	" I	"	11		11	32808	I	4.57	
148	HH UMa, R, I, } 50	"	6:30		1.57				
154									
197		"	7:07		1.35		R	3.60	Switched filters at some time
196	HH UMa	"	7:06		1.35	32824	I	3.69	
247	" } 80 50	"	7:15						
246	"	"	7:50		1.20	32829	R, I	4.34	Somewhere filters got
248	"	"	7:49		1.20	32851	R	4.33	switched
268	" } 90 51	"	8:04		1.16		I		
299	HH UMa	"	8:39		1.09	32856		6.39	
300	" } 90 50	"	8:40			32808	I	4.24	Re-adjusting focus
349		"	8:50		1.07	32868	I		Focus readjusted to 32790
350	" } 90 50	"	9:24		1.03	32818	R	4.18	
399	" } 90 50	"	9:32		1.07		I	4.58	
400		"	10:06		1.01	32526	R	6.21	Focus is steadily increasing

230 => HY-off filter

