

Goodman Spectrograph

Date (UT): 31 Oct - 1 Nov 2017 (civil)

Night # 2 Page # 1

Observer(s) ALLAN, TUCKER

Assistant PATRICIO UGARTE, JUAN ESPINOSA

Detector: BLUE CAMERA

Gain Setting: 200kHz ATINZ/2.67=ADU

X sum 2 Y sum 2

Amplifiers _____

Filter

Offset

2f2

3f2

4f2

5f2



Picture Number	Object Name / type		Airmass	Begin U.T	Exposure	Tel focus/ Instr Focus	Seeing	FILTER	Grating	Comments
	R.A.	DEC.	Epoch	Begin H.A.		Spect/Direct	Sky cond.	Slit	Center	
1	focus test (HgArNe)			19:07				0.46"	400wp	focus = 1300
2-12	focus sequence (HgArNe)			19:19	11 x 0.5sec	-2000 → +2000 in steps of 400		0.46"		best focus = +1260 @ T=12.8°C
13-17	Comparison arc (HgArNe)			19:30	5 x 0.3sec			1.0"		
18	Junk			19:33	2 sec					Shutter lamp still "on" after comp's; take 2sec exp. to clear
19	DOME FLAT			19:37	10sec					
20-69	DOME FLAT			19:39	50 x 10sec					
70-120	BIAS SEQUENCE			19:59	51 x 0.5sec					
121-123	LTT 7982 (std star)			23:59	3 x 60sec					Object near row 440
124-133	Comparison arc (HgArNe)			00:07	5 x 0.5sec + 5 x 2sec ← "junk"					ignore "junk" frames!
134-136	SSSJ 202239.9-585849 obj 263		1.22	00:20	3 x 160sec					r=17.0 DA?
137-139	Comparison arc (HgArNe)				1 x 0.5sec 1 x 1.0sec					ignore exp 0137!
139-141	SSSJ 204645.7-525255 obj 271		1.16	00:37	3 x 130sec					DA! Repeat from last night! (K) dammas producciones

Date (UT): <u>31 Oct - 1 Nov 2013 (civil)</u>		Goodman Spectrograph						Filter	Offset	
Night # <u>2</u> Page # <u>2</u>		Detector: <u>BLUE CAMERA</u>		Filter	Offset	Filter	Offset	2f2		
Observer(s) <u>ALLAM, TUCKER</u>		Gain Setting: <u>200 kHz ATN2/2.67=ADU</u>		1f1		4f1		3f2		
Assistant <u>PATRICIO UGARTE, JUAN ESPINOZA</u>		X sum <u>2</u> Y sum <u>2</u>		2f1		5f1		4f2		
		Amplifiers		3f1		1f2		5f2		
Picture Number	Object Name / type		Airmass	Begin U.T	Exposure	Tel focus/ Instr Focus	Seeing	FILTER	Grating	Comments
	R.A.	DEC.	Epoch	Begin H.A.		Spect/Direct	Sky cond.	Slit	Center	
142	Comparison arc (Hg ArNe)			00:42	1 x 1 sec					
143	SSSJ213641.4 + 014419 obj 282		1.25	00:52	1 x 28 sec					Not DA!
144-146	SSSJ220246.9 - 413445 obj 292		1.04	01:04	3 x 170 sec					DA
147	Comparison arc (Hg ArNe)			01:14	1 x 1 sec					mistakenly named "comp 294"
148-150	SSSJ220800.8 - 531543 obj 294		1.12	01:19	3 x 190 sec					DA?
151	Comparison arc (Hg ArNe)				1 x 1 sec					
152-154	SSSJ222544.8 - 502733 obj 298		1.10	01:37	3 x 210 sec					DA!
155	Comparison arc (Hg ArNe)			01:54	1 x 1 sec					
156-158	SSSJ222633.4 - 444548 obj 299		1.09	02:00	3 x 170 sec					DA?
159	Comparison arc (Hg ArNe)				1 x 1 sec					
160-162	SSSJ224312.3 - 420119 obj 304		1.09	02:22	1 x 170 sec 2 x 180 sec					DA? re-adjusted slit position and increased exposure for exposures of this sequence
163	Comparison arc (Hg ArNe)			02:32	1 x 1 sec					

Date (UT): <u>31 Oct - 1 Nov 2017 (Civi)</u>		Goodman Spectrograph				Filter		Offset		
						2f2		3f2		
Night # <u>2</u> Page # <u>3</u>		Detector: <u>Blue Camera</u>		Filter	Offset	Filter	Offset	3f2		
Observer (s) <u>ALAN, TUCKER</u>		Gain Setting: <u>200 kHz ATN2 / 267 = ADU</u>		2f1		5f1		4f2		
Assistant <u>PATRICIO UGARTE, JUAN ESPINOZA</u>		X sum <u>2</u> Y sum <u>2</u>		3f1		1f2		5f2		
Amplifiers										

Picture Number	Object Name / type		Airmass	Begin U.T	Exposure	Tel focus/ Instr Focus	Seeing	FILTER	Grating	Comments
	R. A.	DEC.	Epoch	Begin H.A.		Spect/Direct	Sky cond.	Slit	Center	
164-166	ATLAS003519.40-394455.30		1.01	02:45	3 x 250s					DA
	obj 334									
167	Comparison arc (Hg Ar Ne)				1 x 1sec					
168-170	ATLAS003613.95-342335.22		1.01	03:11	3 x 110sec					DA!
	obj 335									
171	Comparison arc (Hg Ar Ne)				1 x 1sec					
172-174	ATLAS003437.84-272820.48		1.02	03:27	3 x 110sec					DA Clear skies
	obj 333									
175-176	Comparison arc (Hg Ar Ne)				2 x 1sec					
177-179	ATLAS004632.67-311933.85		1.02	03:37	3 x 210sec					DA?
	obj 336									
180-181	Comparison arc (Hg Ar Ne)				2 x 1sec					
182-184	ATLAS005750.28-311104.58		1.04	03:56	3 x 225sec					DA
	obj 339									
185	Comparison arc (Hg Ar Ne)				1 x 1sec					
186	ATLAS005918.56-333433.66		1.04	04:16	1 x 210sec					Not DA
	obj 340									
187-189	ATLAS010530.79-323753.61		1.05	04:24	3 x 80sec					DA!
	obj 341									

Goodman Spectrograph						Filter	Offset			
Date (UT): <u>31 Oct - 1 Nov 2017 (civil)</u>						2f2				
Night # <u>2</u> Page # <u>4</u>						3f2				
Observer (s) <u>ALLAN, TUCKER</u>						4f2				
Assistant <u>PATRICIO UGARTE, JUAN ESPINOZA</u>						5f2				
Detector: <u>BLUE CAMERA</u>						Filter	Offset			
Gain Setting: <u>200kHz ATIN2/267 = ADU</u>						1f1				
X sum <u>2</u> Y sum <u>2</u>						2f1				
Amplifiers						3f1				
						4f1				
						5f1				
						1f2				
Picture Number	Object Name / type		Airmass	Begin U.T	Exposure	Tel focus/ Instr Focus	Seeing	FILTER	Grating	Comments
	R. A.	DEC.	Epoch	Begin H.A.		Spect/Direct	Sky cond.	Slit	Center	
190	COMPARISON ARC (Hg Ar Ne)			04:32	1 x 1 sec					
191-193	ATLAS J005104.67-290441.00 obj 337		1.09	04:36	3 x 250s					DA?
194	COMPARISON ARC (Hg Ar Ne)				1 x 1 sec					
195-197	SSS J005459.11-273019 obj 38		1.12	04:57	3 x 210 sec					DA!
198	COMPARISON ARC (Hg Ar Ne)				1 x 1 sec					
199-201	SSS J005507.4-403251 obj 39		1.16	05:15	3 x 230 sec					DA?
202	COMPARISON ARC (Hg Ar Ne)				1 x 1 sec					
203	SSS J005815.5-563810 obj 41		1.27	05:35	1 x 170 sec					not DA
204	ATLAS J005918.56-333433.66 obj 340		1.22	05:44	1 x 210 sec					not DA! (oops! repeat of exp 186!)
205-207	ATLAS J010751.87-334848.22 obj 342		1.22	05:51	3 x 155 sec					DA
208	COMPARISON ARC (Hg Ar Ne)				1 x 1 sec					
209	ATLAS J010809.81-161844.87 obj 343		1.38	06:09	1 x 200 sec					not DA? re-do in January?



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						2f2				
Night # <u>2</u> Page # <u>5</u>		Detector: <u>BLUE CAMERA</u>		Filter	Offset	Filter	Offset	3f2		
Observer(s) <u>ALLAN, TUCKER</u>		Gain Setting: <u>200KHz ATIN2/2.67ADU</u>		2f1		5f1		4f2		
Assistant <u>PABLO UGARTE, JUAN ESPINOZA</u>		X sum <u>2</u> Y sum <u>2</u>		3f1		1f2		5f2		
		Amplifiers								
Picture Number	Object Name/ type		Airmass	Begin U.T	Exposure	Tel focus/ Instr Focus	Seeing	FILTER	Grating	Comments
	R. A.	DEC.	Epoch	Begin H.A.		Spect/Direct	Sky cond.	Slit	Center	
210-212	ATLAS J011805.70-253030.51 obj 345		1.30	06:18	3x170sec					DA!
213	comparison arc (Hg Ar Ne)				1x1sec					
214-216	ATLAS J014303.95-280737.47 obj 355		1.26	06:35	3x160sec					DA!
217	comparison arc (Hg Ar Ne)				1x1sec					
218-220	ATLAS J020651.93-273616.86 obj 357		1.23	06:50	3x145sec					DA!
221	comparison arc (Hg Ar Ne)				1x1sec					
222-224	ATLAS J021058.69-260700.75 obj 359		1.28	07:05	3x145sec					DA!
225	comparison arc (Hg Ar Ne)				1x1sec					
226-228	ATLAS J023330.30-121621.26 obj 367		1.36	07:20	3x250sec					DA!
229	comparison arc (Hg Ar Ne)				1x1sec					
230-232	ATLAS J030036.93-293417.23 obj 376		1.21	07:39	3x145sec					DA!
233-234	comparison arc (Hg Ar Ne)				2x1sec					

[illegible]