


Date (UT): <u>27-28 Jan 2018</u>		Goodman Spectrograph						Filter	Offset	
Night # <u>112</u> Page # <u>115</u>		Detector: <u>Blue camera</u>		Filter	Offset	Filter	Offset	Filter	Offset	
Observer (s) <u>Douglas Tucker</u>		Gain Setting: <u>2001 Hz/ATIN2/2.67=ADU</u>		1f1		4f1		3f2		
Patricio <u>William Wester</u> Assistant <u>Regis Cartier</u> <small>(Carlos Corch)</small>		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	
	Focus Sequence							0.45"	700wo	best focus 1500
41	Dome Flat				1sec			1.0"		100% intensity lamps * should be 7sec
42 90	Dome Flat				49x1sec					< Decided to redo > see exp 169
91	Comparison Arc (HgArNe)				1sec					Somewhat saturated
92	Comparison Arc (HgArNe)				0.7sec					
93	Comparison Arc (HgArNe)				0.5sec					worried about shutter sticking w/ short exposure
94 98	Comparison Arc (HgArNe)				5x0.5sec					shutter gui ended not on green
99 103	Comparison Arc (HgArNe)				5x1sec					Should have been 1x1sec
104 108	Comparison Arc (HgArNe)				5x0.5s					shutter behaved gui
109 113	Comparison Arc (HgArNe)				5x1s					
114 118	Comparison Arc (HgArNe)				5x0.5s					
119 168	BIAS Frame				x1 x49					

Goodman Spectrograph


Date (UT): 27-28 Jan 2018
 Night # 1/2 Page # 2/5
 Observer (s) Douglas Tucker
William Wester
 Regis Cartier Assistant Patricio Ugarte

Detector: Blue Camera
 Gain Setting: 200kHEATN2/667ADU
 X sum 2 Y sum 2
 Amplifiers _____

Filter		Offset	
2f2			
Filter	Offset	Filter	Offset
1f1		4f1	
2f1		5f1	
3f1		1f2	
		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	
169	Dome Flat				7sec					100% lamp intensity longer exposure
170 218	Dome Flat				49x7sec					
219 221	EG 21 Standard Star		1.30	00:30	30sec 2x30					Object near line 456
222 224	Companion Arc (HgArNe)				3x0.5					
225	Comp Arc				1sec					clear shutter
226	Atlas J021916.83-280457.37 Obj 363		1.17	00:56	1x240s 2x240s					Seeing 0.88 (Dimm) Arm was removed OUT
227 229	Obj 363		1.20	01:08	1x240 2x240					DA cool
230 232	Comp Arc (HgArNe)				3x1sec					
233 235	Atlas J021829.58-140452.65 Obj 362		1.37	01:25	1x150 2x150					DA
236 238	Comp Arc			1:35	3x1sec					cataclysmic? ↘
239 241	Atlas J030023.16-295459.14 Obj 375		1.18	01:40	1x300 2x300					0239-comp_obj 375 0240 - obj 375, fits 0241 - obj 375, fits
242 244	Comp Arc				3x1s					

Date (UT): <u>27-28 Jan 2018</u> Night # <u>1/2</u> Page # <u>315</u> Observer (s) <u>Douglas Tucker</u> <u>William Wester</u> Assistant <u>Carlos Curo</u>	<h2 style="margin:0;">Goodman Spectrograph</h2>	Filter	Offset		
Detector: <u>Blue Camera</u> Gain Setting: <u>200 kHz A-tr/267 =ADU</u> X sum <u>2</u> Y sum <u>2</u> Amplifiers _____	Filter	Offset	Filter		Offset
	1f1		4f1		
	2f1		5f1		
	3f1		1f2		
				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	
245	Atlas 032835.63-205934.20		1.21	0209	1x120					DA?
247	Obj 382				2x120					
248	Comp Arc			0219	3x1sec					
250										
251	Atlas 034639.55-243509.26		1.19	0225	1x200					DA!
253	Obj 386		1.20	0229	2x200					
254	Comp Arc		1.22	0237	3x1sec					
256										
257	Atlas 031726.10-330304.93		1.32	0242	1x300					CA
259	Obj 378				2x300					
260	Comp Arc		1.40	0300	3x1sec					
262										
263	Atlas 035210.35-302524.11		1.28	0306	1x270					DA!
265	Obj 388		1.31	0312	2x270					
266	Comp Arc		1.35	0322						
268										
269	SS5J035846.0-433606.		1.32	0328	1x240					not DA
	Obj 194									
270	SS5J040997.1-373005		1.33	0340	1x240					not DA
	Obj 197									
271	SS5J041326.5-224839		1.43	0349	1x240					not DA
	Obj 199									
272	SS5J041651.4-384532		1.39	0402	1x180					DA
274	Obj 201		1.41	0407	2x180					

Goodman Spectrograph

Date (UT): 27-28 Jan 2018
 Night # 112 Page # 415
 Observer (s) Douglas Tucker
William Wester
 Assistant Carlos Corco

Detector: Blue Camera
 Gain Setting: 200k Hz Ath 2 / 267 = 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	
275 277	Comp Arc		1.45	0414	3x1sec					
218 201 278	SSSS044517.4-272623		1.42	0425	1x150Sec					not DA Line moved to 456-7 465
228 236 279	SSSS045738.8-262036		1.41	0435	1x300					not DA
280 247 282	SSSS050026.8-530509		1.40	0446	1x360					DA maybe magnetic
283 285	Obj 225		1.43	0452	2x300					
252 283 285	Comp Arc		1.47	0504	3x1sec					
286	SSSS052338.2-463253		1.39	0509	1x360					possible, but not DA
287 289	Obj 236									
261 46 414 290 292	SSSS05552.2-230152		1.38	0522	1x270					
293 295	Obj 252		1.41	528	2x270					
296 298	Comp Arc		1.48	0539	3x1sec					
293 295	SSSS061046.7-500644		1.36	0545	1x270					filename has "comp" by mistake
296 298	Obj 261		1.38	0551	2x270					
299 301	Comp Arc		1.41	0601	3x1sec					
362 304	SSSS0950657.0-384128		1.01	615	1x600					DA
	Obj 216		1.01	625	2x600					
	Comp Arc		1.02	0647	3x1sec					

Goodman Spectrograph

Date (UT): 27-28 Jan 2018
 Night # 1/2 Page # 515
 Observer (s) Douglas Tucker
William Wester
 Assistant Carlos Corco

Detector: Blue Camera
 Gain Setting: 2000 KHz A1n2/2.6 ADU
 X sum 2 Y sum 2
 Amplifiers _____

Filter		Offset	
1f1		4f1	
2f1		5f1	
3f1		1f2	
		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	
305	SSS 5105525.4-36121		1.01	0704	1x600					recalibrated optics DA ("comp" in name)
307	obj 418		1.01	0715	2x600					
308	Comp Arc		1.08	0736	3x1sec					
310										
311	RR Lyrae 75940.29-		1.46	744	1x600					RR Lyra secondary target
313	Obj 2005 6252124		1.50	755	2x600					
314	Comp Arc		1.57	816	3x1sec					
316										
317	SSS 143459.6-281904		1.17	0825	1x600					
319	Obj 394		1.14	0836	2x600					
320	Comp Arc		1.10	0857	3x1sec					
322										
323	LT 4816 (standard		1.06	0904	3x60					
325	star)			0909						
326	Comp Arc		1.07	09:09	3x1sec					
328										