Goodman Spectrograph

Date (UT): 28-29 Jan 2018
Night # 2/2 Page # 1/4
Observer (s) Douglas Tucker
William Wester
Inst. sci. help – Regis Cartier
Assistant Patricio Ugarte, Carlos Cerco

Detector : Blue camera
Gain Setting: 200 kHz ATTN2 1267=ADU
X sum 2 Y sum 2
Amplifiers

Filter	Offset	Filter	Offset
1f1		4f1	
2f1		5f1	
3f1		1f2	

Filter	Offset
2f2	
3f2	
4f2	
5f2	

SOAR TELESCOPE

Picture Number	Object Name / type	R.A.	DEC.	Airmass / Epoch	Begin U.T / Begin H.A.	Exposure	Tel focus/ Instr Focus / Spect/Direct	Seeing / Sky cond.	FILTER / Slit	Grating / Center	Comments
3–13	Focus Sequence								0.45"	400 l/D	Best focus 1470 (Performed by Regis Cartier)
14	Dome Flat (test)					7sec			1.00"		100% intensity lamps
15–64	Dome Flat Sequence					50 × 7sec					Flexure Compensation turned on during the 7sec exposure in this sequence
65	Comparison Arc (HgNeAr) (test)					1sec					
66–89	Comparison Arcs (HgNeAr)					24 × 1sec					
90	bias (test)					0sec					
91–140	bias sequence					50 × 0sec					
141 143	EG21 Standard Star			1.30	0032	1×30 2×30					Spectra at line 457
144 146	Comparison Arc (Hg Ar, Ne)			1.31	0037	3×1sec					
147	ATLAS J024307.09-100112.83			1.19	0044	1×360					
149	Obj 370			1.21	0050	2×360					
150 152	Comp Arc			1.25	0104	3×1 sec					from
153 155	ATLAS J023719.74-133833.40			1.25	0108	1×240					
	Obj 368			1.26	0113	2×240					

Goodman Spectrograph

Date (UT): 28-29 Jan 2018
Night # 2/2 Page # 2/4
Observer (s) Douglas Tucker
Patricio Ugarte William Wester
Assistant Carlos Corco

Detector: Blue Camera
Gain Setting: 200KHz Atlas 2.67 =ADU
X sum 2 Y sum 2
Amplifiers

Filter	Offset	Filter	Offset
1f1		4f1	
2f1		5f1	
3f1		1f2	

Filter	Offset
2f2	
3f2	
4f2	
5f2	

SOAR TELESCOPE

Picture Number	Object Name / type	R.A.	DEC.	Airmass	Epoch	Begin U.T	Begin H.A.	Exposure	Tel focus/ Instr Focus Spect/Direct	Seeing Sky cond.	FILTER Slit	Grating Center	Comments
156	Comp Arc			1.30		0123		3x1sec					
158													
159	Atlas J024553.36-124220.79			1.30		0129		3x60					Bright 15.343
161	Obj 371												
162	Comp Arc			1.32		0133		3x1sec					
164													
165	Atlas J032943.-262920.64			1.32		0139		3x90sec					Bright 16.157
167	Obj 364												
168	Comp Arc			1.35		0145		3x1sec					
170													
171	Atlas J030810.33-113347.32			1.32		0153		3x90					
173	Obj 377												no guiding
174	Comp Arc			1.35		0201		3x1sec					
176													
177	Atlas 031844.68-124954.68			1.31		0206		1x270					<called comp_obj
179	Obj 379			1.34		0211		2x270					
180	Comp Arc			1.38		0221		3x1sec					
182													
183	Atlas J034903.35-143059.32			1.31		0238		1x360					
185	Obj 387			1.33		0245		2x360					no ~~guide~~star
186	Comp Arc							3x1sec					<comp tab not selected>
188													
189	Atlas J034243.70-244453.14			1.38		0307		1x360					
191	Obj 385			1.42		315		2x360					

Goodman Spectrograph

Date (UT): 28-29 Jan 2018
Night # 2/2 Page # 3/4
Observer (s) Douglas Tucker, William Wester
Assistant Carlos Carco

Detector : Blue Camera
Gain Setting: ~~200 kHz~~ 400 kHz 2.67 =ADU
X sum 2 Y sum 2
Amplifiers

Filter	Offset	Filter	Offset
1f1		4f1	
2f1		5f1	
3f1		1f2	

Filter	Offset
2f2	
3f2	
4f2	
5f2	

SOAR TELESCOPE

Picture Number	Object Name / type R.A.	DEC.	Airmass Epoch	Begin U.T Begin H.A.	Exposure	Tel focus/ Instr Focus Spect/Direct	Seeing Sky cond.	FILTER Slit	Grating Center	Comments
192	Comp Arc		1.49	0328	3 x 1 sec					
194										
195	SSSJ05~~0~~26.8-530509				~~1 x 360~~					
	~~Obj 226~~	wow								
195	SSSJ050616.2-244655		1.18	0338	1 x 270					seeing 0.8
197	Obj 226		1.19	0343	2 x 270					
198	Comp Arc		1.23	0353	3 x 1 sec					
200										
201	SSSJ050640.2-551052		1.28	0359	1 x 270					
203	Obj 227		1.29	0405	2 x 270					
~~204~~					3 x 1 sec					
206	Comp Arc		1.31	0415						
207	SSSJ050704.9-240606		1.33	0421	1 x 180					not OA
209	Obj 228		1.35	0425	2 x 180					
210	Comp Arc		1.38	0432	3 x 1 sec					
212										
213	SSSJ050825.2-394011		1.34	0438	1 x 270					not OA
	Obj 229									
214	SSSJ051217.8-183809		1.50	0448	1 x 270					
216	Obj 230		1.53	0453	2 x 270					
217	Comp Arc		1.60	0503	3 x 1 sec					
219										
220	SSSJ052512.8-212329		1.51	0508	1 x 180					< comp in name
222	Obj 238		1.54	0512	2 x 180					

Goodman Spectrograph

Date (UT): 28-29 Jan 2018
Night # 2/2 Page # 4/4
Observer (s) Douglas Tucker
William Wester
Assistant Carlos Carco

Detector : Blue Camera
Gain Setting: 200 kHz 267 =ADU
X sum 2 Y sum 2
Amplifiers

Filter	Offset	Filter	Offset
1f1		4f1	
2f1		5f1	
3f1		1f2	

Filter	Offset
2f2	
3f2	
4f2	
5f2	

SOAR TELESCOPE

Picture Number	Object Name / type	R. A.	DEC.	Airmass	Epoch	Begin U.T	Begin H.A.	Exposure	Tel focus/ Instr Focus	Spect/Direct	Seeing	Sky cond.	FILTER	Slit	Grating	Center	Comments
223	Comp Arc					519		3x1sec									
225																	M3 mirror issue
226	SSSJ060751.5-531336			1.68		649		1x360									
	Obj 200																
227	SSSJ111059.42-170954.2			1.03		707		1x480									
229	Obj 419			1.03		716		2x480									
230	Comp Arc			1.03		733		3x1sec									
232																	
233	~~SSSJ~~ WD1203-272			1.01		750		1x480									
235	Obj 390			1.00		758		2x480									
236	Comp Arc			1.00		816		3x1sec									
238																	
239	RR Lyrae			1.65		825		1x600									
241	Obj 2003			1.69		836		2x600									
242	Comp Arc							3x1sec									
244																	