

Goodman Spectrograph

Date (UT): 30 Sept - 1 Oct 2018 (civil)

Night # 315 Page # 1/5

Observer (s) ALLAN, BURWER, TUCKER

Assistant Patricio Usarte, Juan Espinosa, Alfredo Forland

Detector: BLUE CAMERA

Gain Setting: 200 kHz Arr N2 1267 = ADU

X sum 2 Y sum 2

Amplifiers _____

Filter

Offset

2f2

3f2

4f2

5f2

Filter

Offset

Filter

Offset

1f1

4f1

2f1

5f1

3f1

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	
21	focus 1 - 21			19:44	1 sec	ROS: 1400, 400 focus: 0-2000, step: 100		0.45"	400WD	Temp 6.5 °C → 1400 best focus
22-22r	Comp 22 H ₂ Ar+Ne			19:57	.3 sec	2x2 ROI		1"	400WD	} One list is saturated
22r	Comp 23 - 25			19:45	.3 sec			1"	400WD	
27-27r	Dome (Quartz) + bh (27-27r)			19:59	1 sec	51 x 1 sec		1"	400 WD	100% light
27r	Bais (FB-)			20:12	zero	50 x 200		1"	400WD	
128-130	Feige 110		1.11	3:13	3 x 30 sec					objects near line 455
131	Comp arc (Hg Ar Ne)			3:19	1 x 0.3 sec					
132r	Galax J221550.90 + 013606.5		1.24	3:28	1 x 130 sec					wrong target (?)
132r	obj 919									
133-135			1.25	3:36	3 x 130 sec					try again (other star)
133-135	obj 919									
136	Comp arc (Hg Ar Ne)				1 x 0.3 sec					
137-	Galax J230627.85 - 41245.3		1.03	3:50	3 x 90 sec					
137-	obj 939									
137-	Comp arc (Hg Ar Ne)									
141-143	Galax J230931.66 - 491607.1		1.07	4:02	3 x 230					
141-143	obj 943									
144	Comp Arc				1 x 0.3					

Goodman Spectrograph

Date (UT): _____
 Night # 3/5 Page # 2/5
 Observer (s) ALLAN BUTLER TUCKER
 Assistant _____

Detector : _____				Filter	Offset
Gain Setting: _____ =ADU				2f2	
X sum _____ Y sum _____				Filter	Offset
Amplifiers _____				3f2	
1f1		4f1		3f2	
2f1		5f1		4f2	
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	
145-147	Galaxy J231010.57-542826.9 obj 946		1.13	0422	3 x 130					
148	Comp ARC				1 x 0.3					
149-151	Galaxy J231056.07-574657.3 obj 947		1.17	0438	3 x 130					Seeing 1.43" Humidity 53.3
152	Comp ARC				1 x 0.3					
153-155	Galaxy J231105.09-013705.9 obj 948		0453	1.26	3 x 130					Seeing 1.13"
156	Comp ARC				1 x 0.3					
157-159	Galaxy J231125.68-632305.4 obj 949		0508	1.27	3 x 150					Seeing 1.60"
160	Comp ARC				1 x 0.3					
161-163	Galaxy J2314746.17-475341.6 obj 971		0534	1.12	3 x 80					
164	Comp ARC				1 x 0.3					
165-167	Galaxy J2314802.33-453027.8 obj 972		0544	1.12	x120					1.13" seeing
168	Comp ARC				1 x 0.3					

Goodman Spectrograph

Date (UT): _____

 Night # 3/5 Page # 3/5

 Observer (s) ALLAN BUTNER TUCKER

Assistant _____

Detector: _____ =ADU

Gain Setting: _____

X sum _____ Y sum _____

Amplifiers _____

Filter Offset

2f2

3f2

4f2

5f2

Filter	Offset	Filter	Offset
1f1		4f1	
2f1		5f1	
3f1		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	
169-173	Galex J 235355.06-551954.2 obj 975		1.19	0557	5x100					.95" seeing
174	COMP ARC				1x0.3					
175-178	GALEX J 015166.72-521122.8 obj 1100		1.08	0614	4x50					1.46" seeing
179	COMP ARC				1x0.3					
180-182	GALEX J 014220.04-354025.5 obj 1091		1.02	0629	1x120					
182	COMP ARC				1x0.3					
184-186	GALEX J 015642.43-065540.2 obj 1109		1.11	0642	3x90					
187	COMP ARC				1x0.3					
188-190	GALEX J 015819.62-251325.4 obj 1112 ← obj 1111 or		1.12	0654	3x170					<div style="border: 1px solid red; padding: 5px; color: red;"> This is object 1112, correct name is GALEX J 015841.01-062841.5 </div>
191	COMP ARC				1x0.3					
192-194	GALEX J 015639.16-052400.4 1108		1.16	0710	3x130					
195	COMP ARC				1x0.3					

Goodman Spectrograph

Date (UT): _____

 Night # 3/5 Page # 4/5

 Observer (s) ALLAN, BUTNER, TUCKER

Assistant _____

Detector: _____ =ADU

Gain Setting: _____

X sum _____ Y sum _____

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	
196-198	GALAXY 015841.01-062841.5 Obj 1112		1.17	0725	3 x 170					Oops! Repeat of target in expts 188-190!
199	COMP ARC				1 x 0.3					
200-202	GALAXY 015711.94-235023.1 Obj 1110		1.09	0740	3 x 140					
203	COMP ARC				1 x 0.3					
204-206	GALAXY 021421.32-225449.0 Obj 1129		1.09	0757	3 x 125					
207	COMP ARC			0808	1 x 0.3					
208-211	GALAXY 021952.59-002249.4 Obj 1136		1.30	0812	4 x 130					.81" seeing
212	COMP ARC			0824	1 x 0.3					
213-215	GALAXY 023204.85-542116.1 Obj 1151		1.18	0829	3 x 85					
216	COMP ARC			0835	1 x 0.3					
217-219	GALAXY 025234.70-214023.5 Obj 1179		1.11	0842	3 x 140					
220	COMP ARC				1 x 0.3					

Goodman Spectrograph

Date (UT): _____

 Night # 3/5 Page # 5/5

Observer (s) _____

Assistant _____

 Detector : _____
 Gain Setting: _____ =ADU
 X sum _____ Y sum _____
 Amplifiers _____

Filter		Offset	
1f1		4f1	
2f1		5f1	
3f1		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	
221- 222	Galex J025758.00-213414.1		1.12	855	1 x 75					221 - COMP ARC 222 - SATURATED - IGNORE SHUTTER??
223- 225	Obj 11816									
	" " "		1.15	0907	3 x 70					
226	Comp ARC				1 x 0.3					
0227 -230	LTT 2415		1.01	0922	3 x 30					
231	Comp arc				1 x 0.3sec					
										end of night