


Date (UT): <u>2-3 Oct 2018</u>		Goodman Spectrograph				Filter	Offset			
						2f2				
Night # <u>575</u> Page # <u>117</u>		Detector: <u>Blue Camera</u>		Filter	Offset	Filter	Offset			
Observer (s) <u>Allam, Tucker, Butner</u> <u>Palmeze, Paz-Chinchon, Weisner</u>		Gain Setting: <u>200KHgArNe/ADU</u> <u>2.69</u>		1f1		4f1				
Assistant <u>Patricio Ugarte, Juan Espin</u> <u>Alfredo Farias</u>		X sum <u>2</u> Y sum <u>2</u>		2f1		5f1				
		Amplifiers _____		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	
01-21	focus HgAr+Ne			19:26	1 sec	ROI		0.45"	400WD	T = 10.2°C best focus = 1250
22-26	Comp. HgAr+Ne			19:34	0.35 sec x 5	2x2		1"	400WD	
27	GaAr7 Flat			19:34	50 x 1 sec 51 x 1 sec			1"	400WD	
70-127	Bias frames			19:53						
128-131	LTT 7987	lt+7987	1.01	23:35	4 x 30 sec.	Spectr 2x2.		1"	400WD	- First one was bad #128 - Object is near line 459.
132	Comparison HgAr + Ne			23:41	1 x 0.3 sec			1"	400WD	
133-135	Obj 426 Gaia J212056.57 - 574727.4		1.18	23:47	3 x 45 sec.				400WD	
136	Comparison HgAr + Ne			23:54	1 x 0.3 s				400WD	
137-139	Obj 423 Gaia J211746.89 - 581836.8		1.17	00:00	3 x 80 s.				400WD	
140	Comp.			00:04						
141	Obj 424 Gaia J211745.52 - 581712.1		1.16	00:08	3 x 145				400WD	
144	Comp			00:17	1 x 0.3					

Goodman Spectrograph

Date (UT): 2-3 Oct 2018
 Night # 515 Page # 2/7
 Observer (s) _____
 Assistant _____

Detector : _____
 Gain Setting: _____ =ADU
 X sum _____ Y sum _____
 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	
145- 147	Obj 430 Gain 5212556.31 -570553.6		1.14	00:22	3 x 175				400WD	- First image has ~1 sec of lamps on, but look good.
148	Comp			00:33	1 x 0.3				400WD.	
149- 151	Obj 433 Gain 5212240.15 -5717365		1.14	00:37	3 x 105				400WD	
152	Comp			00:44	1 x 0.3					
153- 155	Obj 434 Gain 5212905.44 -562607.7		1.12	00:47	3 x 125				400WD.	
156.	Comp			00:56	1 x 0.3				400WD.	
157- 159	Obj 437 Gain 5212851.16 -565842.0		1.12	00:59	3 x 190.				400WD.	- IRAF system frozen.
160	Comp			01:15	1 x 0.3				400WD.	
161- 163	Obj 438 Gain 5212951.74 -570901.4		1.12	01:16	3 x 70					
164	Comp			01:24	1 x 0.3					
165- 167	Obj 444 Gain 5213227.85 -565138.6		1.12	01:30	3 x 190					
168	Comp			01:41	1 x 0.3					

Goodman Spectrograph

Date (UT): 2-3 Oct 2018
 Night # 515 Page # 317
 Observer (s) _____
 Assistant _____

Detector : _____
 Gain Setting: _____ =ADU
 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	
169	Obj 458		1.06	01:45	3x220					
-171	Gaia J214737.71 -495944.9									
172	Comp			01:58	1x0.3					- Check if it's ok.
173-174	Obj 482		1.06	02:04	3x30					Error: filename of 1st exposure is wrong (comp-...)
-174	Gaia J220033.99 -467801.0									
175	Comp			02:08	1x0.3					THIS COMP IS MISSING! FILE 175 APPEARS TO BE TARGET WD
176-178	Obj 500		1.03	02:16	1x210					
-178	Gaia J220544.91 -433629.5									
179	Comp			02:29	1x0.3					
180-182	Obj 533		1.16	02:33	3x100					
-182	Gaia J222116.03 -600005.9									
183	Comp			02:46	1x0.3					-Seeing value "came back" after reconnect VPN.
184-186	Obj 909		1.19		3x175		0.83			
-186	Gaia J215712.00 -612958.3									
187	Comp			03:10	1x0.3					"Comments" wrong
188-190	Obj 922		1.11	03:16	3x135		0.89			
-190	Gaia J222719.12 -525947.6									
191	Comp			03:24						

Date (UT): <u>2-3 Oct 2018</u>		Goodman Spectrograph				Filter	Offset			
						2f2				
Night # <u>515</u> Page # <u>4/7</u>		Detector: <u>Blue camera</u>				Filter	Offset			
Observer (s) _____		Gain Setting: <u>200 kHz ATN 2/26 ADU</u>				3f2				
Assistant _____		X sum _____ Y sum _____				4f2				
		Amplifiers _____				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	
192- 194	Obj 932 GALEX J225237.52 +011202.3		1.19	03:52	3x210		0.95		400WD	
195	Comp.			03:45	1x0.3					
196- 198	Obj 950 GALEX J231142.23 -014120.3		1.16	03:51	3x110		0.82			
199	Comp			03:58	1x0.3					
200- 202	Obj 955 GALEX J231426.16 -610010.9		1.18	04:05	3x210					
203	Comp			04:18	1x0.3					
204- 206	Obj 956 GALEX J231455.29 -513624.7		1.13	04:23	3x300					
207	Comp.			04:40	1x0.3					
208- 210	Obj 965 GALEX J233155.57 -471756.0		1.10	04:46	3x145		0.64		400WD	
211	Comp.			04:56	1x0.3					
212- 214	Obj 968 GALEX J234201.84 -614045.4		1.24	05:27	3x230					-TO had a small problem Δ=23 min.
215	Comp			05:41	1x0.3					



Goodman Spectrograph

Date (UT): 2-3 Oct 2018
 Night # 515 Page # 5/7
 Observer (s) _____
 Assistant _____

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

Filter	Offset	Filter	Offset
2f2			
3f2			
4f2			
5f2			
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	
216 218	Galax J000312.84-561229.7 obj 981		1.19	05:47	3x230		0.47"		400w	
219	Comp. arc (H ₂ Ar Ne)			06:01	1x0.3					
220 222	Galax J001149.30-502937.3 obj 990		1.16	06:06	3x125		0.53"			Strange spectrum
223	Comp arc (H ₂ Ar Ne)			06:15	1x0.3					
224 226	Galax J001917.53-622217.8 obj 998		1.27	06:19	3x275					
227	Comp arc (H ₂ Ar Ne)			06:36	1x0.3					
228 230	Galax J003526.01-513759.6 obj 1008		1.18	06:41	3x270		0.54"			
231	Comp Arc			06:56	1x0.3					Lamps off - reject this one
232	Comp Arc			06:58	1x0.3					
233 235	Galax J003848.51-013433.2 Obj, 1011		1.43	07:03	3x110		0.62"			
236	Comp Arc			07:12	1x0.3					
237 239	Galax J004729.44-603727.7 Obj 1017		1.30	07:17	3x90		0.68"			

Date (UT): <u>2-3 Oct. 2018</u> Night # <u>5/5</u> Page # <u>6/7</u> Observer (s) _____ Assistant _____	<h2 style="margin:0;">Goodman Spectrograph</h2>	Filter	Offset	
Detector : _____ Gain Setting: _____ =ADU X sum _____ Y sum _____ Amplifiers _____	Filter	Offset	Filter	Offset
	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	
240	Comp Arc			07:30	1x0.3					
241-243	Galax J010453.10-181952.5 Obj 1032		1.26	07:35	3x165		1.36"			Seeing varying significantly.
244	Comp Arc			07:47	1x0.3					
245-247	Galax J022607.83-383202.6 Obj 1148		1.07	07:51	3x150		0.78"			
248	Comp Arc			08:04	1x0.3					
249-251	Galax J023446.70-242733.4 Obj 1157		1.09	08:08	3x120					
252	Comp NPC			08:18	1x0.3					
253-255	Galax J023933.51-175741.7 Obj 1161 Obj 1161		1.13	08:23	3x160					
256	Comp arc			834	1x0.3					
257-259	Galax J025859.53-175021.2 Obj 1161 Obj 1188		1.12	838	3x120					
260	Comp Arc				1x0.3					
261-263	Galax J030349.44-412846.2 Obj 1194		1.11	0855	3x370		0.70"			not WD?

