

Goodman Spectrograph

Date (UT): Civil 01/25/2019
 Night # 1 Page # 1
 Observer (s) Douglas, Melissa, Alyssa, Maionella, Ting
 Assistant John Sean

Detector: BLUECAMERA
 Gain Setting: 200 kHz ATIN=ADU
 X sum 2 Y sum 2
 Amplifiers _____

Filter	Offset	Filter	Offset
2f2			
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.		Spec/Direct	Sky cond.	Slit	Center	
01-13	focus			19:12	1 sec 13 x 1 sec	ROJ = 1850, 400 focus: 0-2400, step: 100		0.45"	400WD	Lamp: HgAr, Ne focus = 1663
14-16	focus							0.45"	400WD	3 more at 1450, 1500, 1550 add: 1450, 1500, 1550
17	focus							0.45"	400WD	focus = 1475. $\left. \begin{matrix} 3.04 \\ 3.06 \\ 3.01 \end{matrix} \right\} \text{FWHM}$
18	gflat				1 sec 100% intensity	Spec 2x2		1"	400WD	best focus = 1450
19	dflat				7 sec 100% intensity			1"	400WD	NOTE: Line at 5460.7 Å is 1186
20-19	dflat				7 sec	Spec 2x2		1"	400WD	GACAM. cross = 254 = x 344 = y
70-74	comp				0.3 sec					blue get stronger after 1 min turning on
75-124	bias				0 sec					
126-128	EG21				.5 sec			1"	400WD	GACAM: crosshair 263, 265 / 259, 445
0129-130	EG21			0137	60 sec x3 exp.					
0132	Comp				0.3 sec					
0133-135	SSS J023936.3-430658. obj 131		1.30	0211	3 x 130 sec 545-137					

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 Observer (s) Douglas, Melissa, Ting
Alyssa, Antonella
 Assistant Sean

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Detector: BLUE CAMERA
 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	
136	COMP				0.3 sec					
137-139	SSSJ043658.9 - 545614 obj 216		1.18	0248	2 sec					Acq.
140-142	" " " " " " obj 216		1.18	0254	130 x 3					
143-144	COMP				.3 sec					
145	SSSJ052556.7 - 331735 obj 239									
146	LTT1445									
151-156	LTT4364		1.38	0517	3 x 60 sec					NOT at parallactic \angle
157	COMP				0.3 sec					
160a	obj 1404 galax; 061159.81 obj 1404 -541853.2		1.40	0552	1 x 170s					NOT PA WD
161	COMP				0.3s					
	obj 1413 galax; 10 obj 1413									
162-164	galax; 104401.51 - 210522.2 obj 1413			0635	3 x 170sec					

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Date (UT): 01/25/2019
 Night # 1 Page # 3
 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	
165-167	Comp				3x0.3sec					
168	GALEX J111442.94-221838.3 obj 1420		1.02	0656	1x140sec					NOT a DA
169	GALEX J113406.03-221929.6 obj 1426		1.03	0708	1x270sec					
170-172	GALEX J113524.14-265441.6 obj 1428		1.01	0721 0738	3x270sec					DA!
175-178	Comp				3x0.3sec					
176-178	GALEX J113657.03-263002.0 obj 1431				3x360sec					Slight tremor during first exposure
179-181	Comp comp			0817	3x360sec					BAD!
183-185	Comp				3x0.3sec					
186	GALEX J114428.61-261922.0 obj 1438									couldn't find it
186-188	CD-32 9927 std star		1.06	0904	3x60sec					Std star
189-191	Comp				3x0.3sec					