

Date (UT): <u>1-2 Nov 2017 (civil)</u>		Goodman Spectrograph								Filter	Offset	
Night # <u>3</u> Page # <u>1</u>		Detector: <u>BLUE CAMERA</u>		Filter	Offset	Filter	Offset	Filter	Offset			
Observer(s) <u>ALLAN, TUCKER</u>		Gain Setting: <u>200142-ATTN 2/267=ADU</u>		2f1		4f1		3f2				
Assistant <u>PATRICIO UGARTE, JUAN ESPINOSA</u>		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			
1-11	focus sequence (H ₂ ArNe)			19:25	11 x 0.55 sec			0.45"	400WD	best focus = +1280 @ T=13.2°C		
12-26	Comparison arc (H ₂ ArNe)			19:38	5 x 1 sec 10 x 0.55 sec			1.0"		Some of the 0.5-sec exposures might be 1-sec exposures		
27	JUNK			19:46	2 sec					shutter indicator still "on" after compo; take 2		
28	DOME FLAT			19:47	10 sec					100% dome lamp intensity		
29-78	DOME FLAT			19:52	50 x 10 sec							
79-129	BIAS SEQUENCE			20:13	51 x 0.5 sec					CLEAR IN AFTERNOON		
130-132	LTT 7982 (std star)		1.09	23:58	3 x 60 sec					CLOUDS HAVE ROLLED IN AROUND SUNSET		
133	Comparison arc (H ₂ ArNe)			00:03	1 x 1 sec							
134	JUNK				1 x 2 sec							
135	Comparison arc (H ₂ ArNe)											
136-139	LTT 9239 22:52:40.9 -20:35:27		1.02	1:02	3 x 60 sec					Too cloudy to observe our science targets - taking more (bright) star cards		
139-148	Comparison arc (H ₂ ArNe)				10 x 1 sec					Misnamed file and in FITS header!! dammar producciones		