## **OBSERVING LOG**

TELESCOPE : DuPont INSTRUMENT : WFCCD CONFIGURATION : TYPHOON

OBSERVER : Dylan

NIGHT ASSISTANT: Sergio

**DATE: November 11/12 2018** 

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WEATHER: clear, seeing ~2

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
4001-4008	bias	19:30	0x8	-		-		
4009	slitimage		10	V		150um		Lamp @ 390 V, y=2200, x_wflip= 2642.70
4010	££	19:47	4	V		750um		Lamp @ 390 V, y=2200, x_wflip=2630.52
4011	hrtm	19:49	4	V		hart		Lamp @ 390 V
4012-4014	dflat		3x4	V		open		Lamp @ 390 V
4015-4017	££	19:55	3x4	R		open		Lamp @ 340 V
4018-4020	и	20:00	3x4	В		open		Lamp @ 480 V
4021-4023	и	20:05	3x80	grism		150um		44
4024-4026	u	20:14	3x20	grism		750um		44
4027-4029	u	20:19	3x50	grism		hart		44
4030-4032	arcs	20:27	30/60/90	grism		150um		HeArNe Arcs
4033-4035	dark	20:35	3x600	-		-		lamps off
4036	LTT 9239	23:43	3	V		open		Finding standard, 1.1E, 5.7S
4037	u	23:45	íí.	"		"		0.7E, 1.5S
4038	и	23:48	· ·	"		"		
4039	и	23:53	· ·	"		"		
4040	и	23:55	180	grism		750um		
4041	arcs		30	"		150um		
4042	focus		5	V		open		Focus was ok for standard in wide slit, testing for possible better focus. Too close to bright star, testing focus slightly off
4043	u	00:11	"	"		"		, 3 3 3
4044	"	00:18	3	V		open		Checking new focus in approx slit range
4045	NGC 253	00:26	20	V		open		Checking seeing, matching to ccd7140, wrong cass ring, setting to 145
4046	u.	00:35	cc .	"		open		57.0W, 27.2S

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**DATE: November 10/11 2018** 

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WEATHER: clear, seeing ~2-3"

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
4047	и	00:36	ш	"		open		rotated cass ring 0.2 deg to get to exactly 145
4048	"	00:40	u	ш		"		Maybe slight rotation introduced, going back to original
4049	ш	00:43	· ·	"		"	2.18	
4050	"	00:47	180	grism		150um		793.9
4051	"	00:59	ii.	"		"		783.6
4052	ш	01:11	· ·	"		"		773.3
4053	"	01:22	"	"		"		763.0
4054	"	01:33	íí.	"		"		752.7
4055	u	01:44	· ·	"		"		742.4
4056	и	01:57	"	"		"		732.1
4057	и	02:08	"	"		"		721.8
4058	и	02:19	"	ш		"		711.5
4059	и	02:31	· ·	ш		"		701.2
4060	и	02:42	"	"		"		690.9
4061	и	02:53	20	V		и		680.6, end reference frame; seeing is pretty bad, so I'm moving to N1566 for, at the very least, new observations
4062	LTT 377	02:57	3	V		"		Finding standard; need to revert to cass=180
4063	íí.	03:01	ii.	"		"		3.7W, 5.5S
4064	"		íí.	"		"		3.5, 2.0S
4065	"	03:05	u	"		"		3.2W, 0.0S
4066	и							Strange bimodal sky pattern at one end of CCD, resetting CCD. Looks kind of like what's seen in bias frames but not 50:50 anymore, more like 75:25.
4067	и							
4068	cc .							Testing CCD reset

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**DATE: November 11/12 2018** 

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WEATHER: some clouds to heavy cover

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
4069				В				Testing B-band exposure to test V-band filter
4070	u.		0					Running bias since another subtle pattern length-wise still appears for CCD on finder window. Rebooting CCD
4071								Pattern persists. Report made to technician to inspect electronics. For now continuing with observations
4072	u		3	V		cc		Taking new exposure to find standard
4073	ű		íí.	££				
4077	u		cc .	"				Trouble using wflip; iraf error even after restartingmaybe set wrong subraster?
4078	u		"	"				3 3
4079			u	ш				Older images can be flippedtesting new exposure. Problem fixed.
4080	u		u	cc				
4083-4086	bias		0					Resuming observations with new bias frames
4087	LTT 377		3	V		open		3.1E, 3.6N
4088-4089	u		££	"		и		Trouble improving positioning to slit, clouds interfering with guidance. No stars visible outside as of ut 04:53
								Dome closed b/c of thick clouds ut 04:58
								Night called at ut ~8:00