

## OBSERVING LOG

**TELESCOPE** : DuPont  
**INSTRUMENT** : WFCCD  
**CONFIGURATION** : TYPHOON  
**OBSERVER** : Dylan  
**NIGHT ASSISTANT**: Sergio

**DATE** : November 09/10 2018  
**NIGHT**: 11 of 14  
**PAGE** : 1 of 4  
**WEATHER**: clear

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
2001-2008	bias	19:33	0x8	-		-		
2009	slitimage	19:46	10	V		150um		Lamp @ 390 V, y=2200, x_wflip=2642.7
2010	"	19:47	4	V		750um		Lamp @ 390 V, y=2200, x_wflip=2630.67
2011	hrtm	19:48	4	V		hart		Lamp @ 390 V
2012-2014	dflat	19:50	3x4	V		open		Lamp @ 390 V
2015-2017	"	19:56	3x4	R		open		Lamp @ 340 V
2018-2020	"	20:01	3x4	B		open		Lamp @ 480 V
2021-2023	"	20:06	3x80	grism		150um		"
2024-2026	"	20:14	3x20	grism		750um		"
2027-2029	"		3x50	grism		hart		"
2030-2032	arcs	20:27	30/60/90	grism		150um		HeArNe Arcs
2033-2035	dark	20:35	3x600	-		-		lamps off
2036	LTT 9239	23:39	3	V	1.024	open		1.1E, 0.1N
2037	"	23:43	"	"	1.022	"		1.4W, 0.1N
2038	"	23:46	"	"	1.020	"		Dome auto-reset, going to retake exposure
2039	"		"	"		"	1.26	0.3E, 0.7S
2040		23:52	"	"		750um		Checking for standard in slit, looks good
2041	"	23:54	180	grism		750um		
2042	arcs	23:59	30	grism		150um		
2043	J13.909812 -73.194845	00:03	10	V		open		282.W, 96.S to slit
2044	"	00:04	"	B		"		
2045	"	00:06	"	R		"		
2046	"	00:10	"	V		"		0.6E, 2.3S. Will try to improve for narrow slit
2047	"	00:13	"	"		"	1.36	0.6E, 0.6N. About as good as it'll get
2048	"	00:15	"	"		150um		Checking for star in slit, looks good

## OBSERVING LOG

**TELESCOPE** : DuPont  
**INSTRUMENT** : WFCCD  
**CONFIGURATION** : TYPHOON  
**OBSERVER** : Dylan  
**NIGHT ASSISTANT**: Sergio

**DATE** : November 09/10 2018  
**NIGHT**: 11 of 14  
**PAGE** : 2 of 4  
**WEATHER**: clear

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
2049-2050	"	00:17	2x180	grism	1.463	150um		
2051	2018htt		30	V		open		18.6E,84.9 S, 2051-2054 wrong obj name in fits
2052	"	00:32	"	"		"		0.7E, 1.6N, will try to do slightly better for slit
2053	"	00:35	"	"		"		0.4W,0.4N, @2644.185,2198.488 flipped image coord
2054	"	00:38	"	"		150um		Checking for galaxy in slit, looks fine
2055-2057	"	00:41	3x900	grism		"		
2058	LTT 377	01:31	3	V		open		Finding standard, 12.1W, 5.1N
2059	"	01:34	"	"		"	1.21	only 0.3E, 0.1N
2060	"	01:36	"	"		750um		Checking for standard in slit, looks good
2061	"	01:37	180	grism		750um		
2062	arcs	01:42	30	"		150um		HeNeAr arcs
2063	NGC 1566	01:45	20	V	1.527	open		Aligning to ccd1096f, 9.2E, 3.2N
2064	"	01:48	"	"		"	1.76	0.9E, 1.6N
2065	"	01:51	"	"	1.516		1.45	0.4E, 0.2N
2066	"	01:54	180	grism	1.501	150um	1.60	862.0
2067	"	02:06	"	"	1.453	"		851.7
2068	"	02:18	"	"	1.413	"		841.4
2069	"	02:29	"	"	1.375	"		831.1
2070	"	02:40	"	"	1.341	"		820.8
2071	"	02:52	"	"	1.309	"		810.5
2072	"	03:03	"	"	1.281	"		800.2
2073	"	03:14	"	"	1.259	"		789.9
2074	"	03:26	"	"	1.235	"		779.6
2075	"	03:38	"	"	1.212	"		769.3

## OBSERVING LOG

**TELESCOPE** : DuPont  
**INSTRUMENT** : WFCCD  
**CONFIGURATION** : TYPHOON  
**OBSERVER** : Dylan  
**NIGHT ASSISTANT**: Sergio

**DATE** : November 09/10 2018  
**NIGHT**: 11 of 14  
**PAGE** : 3 of 4  
**WEATHER**: clear

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
2076	"	03:49	"	"	1.194	"		759.0
2077	"	04:01	"	"	1.177	"		748.7
2078	"	04:12	"	"	1.163	"		738.4
2079	"	04:24	"	"	1.152	"		728.1
2080	"	04:34	"	"	1.141	"		717.8
2081	"	04:47	"	"	1.131	"		707.5
2082	"	04:58	"	"	1.124	"		697.2
2083	"	05:10	"	"	1.118	"		686.9
2084	"	05:21	"	"	1.114	"		676.6
2085	"	05:33	"	"	1.111	"		666.3
2086	"	05:44	"	"	1.111	"		656.0
2087	"	05:56	"	"	1.111	"		645.7
2088	"	06:07	"	"	1.113	"		635.4
2089	"	06:18	"	"	1.117	"		625.1
2090	"	06:30	"	"	1.122	"		614.8
2091	"	06:42	"	"	1.130	"		604.5
2092	"	06:53	"	"	1.138	"		594.2
2093	NGC 1566	07:05	20	V		open		583.9, end frame for night
2094	LTT 2415	07:07	3	V	1.002	open		Finding standard, 8.8W, 4.6N
2095	"	07:09	"	"	1.001	"		1.2E, 0.4N
2096	"	07:12	"	"	1.001	"		
2097	"	07:13	"	"		750um		Checking for standard in slit
2098	"	07:15	180	girsm		750um		

