

# OBSERVING LOG

**TELESCOPE** : DuPont  
**INSTRUMENT** : WFCCD  
**CONFIGURATION** : TYPHOON  
**OBSERVER** : JR  
**NIGHT ASSISTANT**: Herman

**DATE** : October 31/01 2018  
**NIGHT**: 2 of 14  
**PAGE** : 1 of 4  
**WEATHER**: clear

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
2001	Slit image	18:10	10	V	zenith	150um	-	y2000:1422.3,2642.7
2002	"	18:12	"	"	"	750um	-	y2000:1433.0, 2632.0
2003-2005	dflat	19:22	3x4s	B	dflat	open	-	Lamp @ 480V, <18k
2006-2008	"	19:27	3x4	V	"	"	-	Lamp @ 390V, <16k
2009-2011	"	19:31	3x3	R	"	"	-	Lamp @ 350V, ~22k
2012-2014	"	19:36	3x80	grism	"	150um	-	Lamp @ 480V, ~34k peak
2015-2017	"	19:45	3x20	"	"	750um	-	Lamp @ 480V, ~32k peak
2018-2020	Hartmann	19:50	3x50	grism	"	Hart	-	Lamp @ 480V, ~40k peak
2021	"	19:57	4	V	"	"	-	Lamp @ 350V
2022-2024	HeNeAr arc	19:59	30/60/90	grism	"	150um	-	HeNeAr for flats
2025-2032	bias	20:07	8x0	-	zenith	-	-	Bias
2033-2035	Dark	20:19	5x600	-	-	-	-	Darks
2036	LTT 9239	23:42	1	V	1.056	open	1.7"	Ptg. Check, Star @ 2140, 1999, offset 342W
2037	"	23:49	"	"	1.050	"	1.9"	OK cset, run focus sequence
2038	"	23:53	"	"	1.044	"		Focus sequence - keep going
2039	"		"	"		"	1.4"	Focus sequence - variable, but #6 good
2040	"	00:02	"	"	1.034	"	1.4"	3"W, 6"S
2041	"	00:06	"	"	1.031	"	1.35"	
2042	"	00:07	"	"	1.030	750um	<1.4"	OK
2043	LTT 9239	00:10	180	grism	1.028	"		peak ~15K
2044	HeNeAr arc	00:15	30	"	1.024	150um		Arc for STD, then cassring=145
2045	NGC 253	00:20	20	V	1.201	open	1.3"	match to ccd7140, 10/14/18, 50.6W, 24.1S
2046	"	00:25	"	"	1.188	"	<1.3"	1.0"W, 0.6"S
2047	"	00:28	"	"	1.178	"	1.3"	slit offset slightly > 1.65" overlap, so OK
2048	NGC 253	00:31	600	grism	1.169	150um	~1.3"	509.7, 467.4, moving + 10.3

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2049	NGC 253	00:43	600	grism	1.142	150um		477.7
2050	"	00:54	"	"	1.115	"		488.0
2051	"	01:06	"	"	1.09	"		498.3
2052	"	01:17	"	"	1.073	"		508.6
2053	"	01:29	"	"	1.055	"		518.9
2054	"	01:40	"	"	1.040	"	1.2"	529.2
2055	"	01:52	"	"	1.029	"		539.5
2056	"	02:03	"	"	1.020	"		549.8
2057	"	02:15	"	"	1.012	"	~1.3"	560.1
2058	"	02:26	"	"	1.007	"	1.2"	570.4
2059	"	02:38	"	"	1.004	"		580.7
2060	"	02:49	"	"	1.002	"		591.0
2061	"	03:01	"	"	1.003	"		601.3
2062	"	03:12	"	"	1.006	"		611.6
2063	"	03:24	"	"	1.011	"	~1.5"	621.9
2064	"	03:35	"	"	1.018	"		632.2
2065	"	03:47	"	"	1.027	"	~1.3"	642.5
2066	"	03:58	"	"	1.039	"		652.8
2067	"	04:10	"	"	1.052	"		663.1
2068	"	04:22	"	"	1.069	"	1.4"	673.4
2069	"	04:33	"	"	1.088	"		683.7
2070	"	04:45	"	"	1.110	"		694.0
2071	"	04:56	"	"	1.135	"		704.3
2072	"	05:08	"	"	1.163	"		714.6
2073	NGC 253	05:19	"	"	1.196	"		724.9

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2074	HeNeAr arc	05:21	30	grism	1.205	150um		
2075	LTT 2511	05:27	5	V	1.338	open	1.3"	cassring=180, 183W, 10S
2076	"	05:31	"	"	1.329	"	<1.3"	OK
2077	"	05:33	"	"	1.324	750um	1.3"	Perfect
2078	LTT 2511	05:35	300	grism	1.318	"		Peak ~6k
2079	HeNeAr arc	05:42	30	"	1.305	150um		
2080	AM 0644-741	05:45	20	V	1.57	open	1.4"	LS Ring, star @ 1889, 2122, 225.8W,59N
2081	"	05:52	"	"	1.554	"	1.3"	
2082	"	05:54	"	"	1.554	"		OK
2083	AM 0644-741	05:57	600	grism	1.546	150um		554.0 877.0, moving -10.3 (L->R)
2084	"	06:10	"	"	1.524	"		866.7
2085	"	06:22	"	"	1.508	"	1.4"	856.4
2086	"	06:34	"	"	1.496	"		846.1
2087	"	06:45	"	"	1.480	"		835.8
2088	"	06:57	"	"	1.468	"		825.5
2089	"	07:09	"	"	1.457	"	1.2"	815.2
2090	"	07:21	"	"	1.447	"		804.9
2091	"	07:33	"	"	1.439	"		794.6
2092	"	07:44	"	"	1.432	"		784.3
2093	"	07:57	"	"	1.426	"		774.0
2094	"	08:08	"	"	1.422	"		763.7
2095	"	08:20	"	"	1.419	"		753.4
2096	AM 0644-741	08:31	20	V	1.417	Open	~1.35"	743.1
2097	EG 21	08:34	3	V	1.53	Open	<1.6"	236"W, 15"S
2098	"	08:38	"	"	1.535	"		

