

# OBSERVING LOG

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

**DATE** : November 03/04 2018  
**NIGHT**: 7 of 14  
**PAGE** : 1 of 4  
**WEATHER**: clear

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
7001-7003	dflat	18:45	3x4s	B		open		Lamp @ 480V, counts ~< 18k
7004	bias	18:53	0	V		"		Saturated V-flat @ 480 V, Aborted
7005-7007	dflat	18:56	3x4s	V		"		Lamp @ 390 V, counts ~15k
7008-7010	"	19:01	3x3s	R		"		Lamp @ 350 V, counts ~22k
7011-7013	"	19:06	3x80s	grism		150um		Lamp @ 480 V, ~33k peak
7014-7016	"	19:16	3x20s	grism		750um		Lamp @ 480 V, ~31k peak
7017-7019	Hartmann	19:23	3x50s	grism		Hart		Lamp @ 480 V
7020	"	19:30	1x4s	V		"		Lamp @ 350 V
7021-7023	HeNeAr Arc	19:34	30/60/90	grism		150um		HeNeAr Lamps for flats
7024	Slit image	19:49	1		zenith	150um		Lamp @ 390 V, y2200:1422.4,2642.6; y2000:1422.14, 2642.86
7025	"	19:55	"		"	750um		y2200: 1434.57, 2630.43
7026-7033	bias	20:02	8x0s	-	"	-		Bias
7034-7036	dark	20:14	3x600s	-	"	-		Dark frames
7037	bias	22:48						Test, setting up as Obs Remote
7038	LTT 9239	23:48	3	V	1.015	open	1.38	Standard, 3.1E,4.9N
7039	"	23:55	"	"		"		1.7W,1.8S
7040	"	23:59	"	"		"		
7041	"	00:06	"	"	1.017	750um	1.43	
7042	"	09:32	180	grism		"		
7043	HeNeAr Arc	00:16	30	grism		150um		
7044	NGC 253	00:24	20	V	1.134	open		1W, 22N to ref ccd6061
7045	"	00:32	"	"	1.117	"		2.8W, 3.1 S
7046	"	00:36	"	"	1.109	"	1.66	
7047	"	00:44	"	"	1.1091	"	1.46	Checking if seeing stabilizes/improves
7048	"	00:49	600	grism	1.082	150um		564.1, 818.8

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7049	"	01:01	"	"	1.064	"		808.5
7050	"	01:13	"	"	1.049	"		798.2
7051	"	01:24	"	"	1.036	"		787.9
7052	"	01:36	"	"	1.025	"		777.6
7053	"	01:48	"	"	1.016	"		767.3
7054	"	01:59	"	"	1.010	"		757.0
7055	"	02:11	"	"	1.005	"		746.7
7056	"	02:22	"	"	1.003	"		736.4
7057	"	02:34	"	"	1.003	"		726.1
7058	"	02:45	"	"	1.004	"		715.8
7059	"	02:57	"	"	1.008	"		705.5
7060	"	03:09	"	"	1.014	"		695.2
7061	"	03:20	"	"	1.022	"		684.9
7062	"	03:32	"	"	1.032	"		674.6
7063	"	03:43	"	"	1.045	"		664.3
7064	"	03:56	20	V	1.061	open		654.0
7065	LTT 377		3	V		open		RA: 00:41:30.47 Dec: -33:37:32.0 Cass back to 180 163.4E, 208.3S
7066	"	04:06	"	"	1.080	"		1.8W, 0.1S
7067	"	04:10	"	"	1.087	"	1.61	1.8W, 0.1S; guiding was still engaged
7068	"	04:13	"	"	1.092	"		1.6E, 1.8S
7069	"	04:19	"	"	1.102	750um		
7070	"	04:22	180	grism	1.109	"		
7071	"	04:27	30	grism		150um		

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7072	NGC 1566	04:33	20	V	1.113	open	1.21	155.2 W, 94.7 S
7073	"		"	"		"		3.6W, 2.1S
7074	"		"	"		"		0.0E, 1.0N
7075	"	04:54	"	V	1.138	150um		
7076-7078	"	04:58	3x200s	grism	1.134	"		
7079	"	05:16	20	V	1.123	open	1.21	0.5 E, 166.9 N
7080	"	05:23	"	"	1.119	"		1.2W, 0.2S
7081	"	05:26	"	"	1.118	"		
7082	"	05:30	600	grism	1.116	150um		818.4
7083	"	05:41	"	"	1.113	"		808.1
7084	"	05:53	"	"	1.112	"		797.8
7085	"	06:04	"	"	1.111	"		787.5
7086	"	06:16	"	"	1.112	"		777.2
7087	"	06:27	"	"	1.115	"		766.9
7088	"	06:39	"	"	1.119	"		756.6
7089	"	06:50	"	"	1.125	"		746.3
7090	"	07:02	"	"	1.132	"		736.0
7091	"	07:13	"	"	1.141	"		725.7
7092	"	07:25	"	"	1.153	"		715.4
7093	"	07:36	"	"	1.166	"		705.1
7094	"	07:48	"	"	1.180	"		694.8
7095	"	08:00	"	"	1.198	"		684.5
7096	"	08:11	"	"	1.216	"		674.2
7097	"	08:23	"	"	1.238	"		663.9
7098	NGC 1566	08:34	20	V	1.266	open	1.60	653.6



