

OBSERVING LOG

TELESCOPE : DuPont
INSTRUMENT : WFCCD
CONFIGURATION : TYPHOON
OBSERVER : Jeff Rich
NIGHT ASSISTANT: Herman

DATE : December 21/22 2019
NIGHT: 4 of 5
PAGE : 1 of 3
WEATHER: clear

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
4001	bias	19:27	0	grism	-	150um	-	bias Test, OK, ~1370
4002-4004	dflat	19:31	3x3	R	Flat field	open	-	Lamp @ 350V, ~26k peak
4005-4007	"	19:37	3x4	V	"	open	-	Lamp @ 390V, <18k peak
4008-4010	"	19:42	3x4	B	"	open	-	Lamp @ 480V, <22k peak
4011-4013	"	19:47	3x80	grism	"	150um	-	Lamp @ 480V, ~40k peak
4014-4016	"	20:09	3x20	grism	"	750um	-	Lamp @ 480V, <38k peak
4017-4019	"	20:15	3x50	grism	"	hart	-	Lamp @ 480V, ~41k peak
4020	"	20:22	4	V	"	hart	-	Lamp @ 390V
4021-4023	HeNeAr arcs		30/60/90	grism	"	150um	-	Arcs for calibs
4024	Dflat LED	20:32	10	grism	"	150um	-	LED test
4025	"	20:38	100	"	"	"	-	"
4026-4033	bias	20:42	8x0	"	"	"	-	Bias frames
4034-4038	dark	21:38	5x600	"	Zenith	"	-	
4039	Slit image	23:59	1	V	"	150um	-	1423.8, 2641.2 @ y=2100 1427, 1421
4040	"	00:01	"	"	"	750um	-	1435.7, 2629.3 @ y=2100
4041	LTT 1788	00:27	1	V	1.124	open	1.4"	2.2"E
4042	"	00:32	"	"	1.116	"	1.4"	
4043	"	00:34	"	"	1.111	750um		OK, wait for astro. twilight
4044	LTT 1788	00:50	300	grism	1.086	"		Standard
4045	HeNeAr arc	00:56	30	grism		150um		Arc for standard
4046	NGC 1566	01:00	30	V	1.202	open	1.1"	Align w/3080 prev. Night, 4.9"E
4047	"	01:04	20	"	1.195	"	1.1"	0.6"W, 0.6"S
4048	"	01:19	"	"	1.189	"	1.1"	OK, +10.3 (R2L)
4049	NGC 1566	01:17	600	grism	1.178	OPEN		504.7, 398.2 BAD, SLIT WAS OUT!!!

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4050	NGC 1566	01:29	600	grism	1.163	150um	~1.1"	504.7 398.2
4051	"	01:40	"	"	1.151	"		408.5
4052	"	01:52	"	"	1.140	"		418.8
4053	"	02:04	"	"	1.130	"		429.1
4054	"	02:15	"	"	1.123	"	~1"	439.4
4055	"	02:27	"	"		"		449.7
4056	"	02:38	"	"	1.114	"		460.0
4057	"	02:50	"	"	1.111	"		470.3
4058	"	03:01	"	"	1.111	"		480.6
4059	"	03:13	"	"	1.111	"		490.9 Happy Solstice!
4060	"	03:24	"	"	1.114	"		501.2
4061	"	03:36	"	"	1.118	"		511.5
4062	"	03:48	"	"	1.123	"		521.8
4063	"	03:59	"	"	1.131	"		532.1
4064	"	04:10	"	"	1.140	"	<1"	542.4 Good seeing!
4065	"	04:22	"	"	1.150	"		552.7
4066	"	04:33	"	"	1.163	"		563.0
4067	"	04:45	"	"	1.177	"		573.3
4068	"	04:57	"	"	1.195	"		583.6
4069	"	05:08	"	"	1.215	"		593.9
4070	"	05:21	"	"	1.235	"		604.2 guider <1" seeing, maybe slightly worse
4071	NGC 1566	05:32	20	open	1.260	V	1.5"	614.5
								Telescope not moving in Declination
4072	NGC 3354	05:54	20	open	1.401	V	~1.4"	Cass=70, 370.2"W, 15.6"N

