OBSERVING LOG

TELESCOPE : DuPont INSTRUMENT : WFCCD CONFIGURATION : TYPHOON

OBSERVER : Dylan

NIGHT ASSISTANT: Sergio

DATE: November 12/13 2018

NIGHT: 14 of 14 PAGE: 1 of 4

WEATHER: clear, seeing ~3"

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
5001-5008	bias		0x8	-		-		
5009	slitimage	20:04	10	V		150um		Lamp @ 390 V, y=2200, x=1422.57, x_wflip= 2642.43
5010	ιι	20:06	4	V		750um		Lamp @ 390 V, y=2200, x=1434.72, x_wflip= 2630.28
5011	hrtm	20:07	4	V		hart		Lamp @ 390 V
5012-5014	dflat	20:09	3x4	V		open		Lamp @ 390 V
5015-5017	u	20:14	3x4	R		open		Lamp @ 340 V
5018-5020	ζζ.	20:18	3x4	В		open		Lamp @ 480 V
5021-5023	££		3x80	grism		150um		и
5024-5026	"	20:32	3x20	grism		750um		и
5027-5029	"		3x50	grism		hart		ti
5030-5032	dark		2x600	-		-		lamps off
5033-5035	arcs	22:18	30/60/90	grism		150um		HeArNe Arcs, at zenith
5036-5038	££	22:54	"	"				HeArNe Arcs, at screen
5036	bias		0	-		-		saturated detector with focus sequence
5037	focus		3	V		open		testing sky level
5038	"		4	V		"		doing focus
5039	"		3	V		open		checking sky levels; better now
5040-5042								playing with exposures, keeping current focus
5043	LTT 9239		3	V		open		
5044	££	00:02	"	"		"		0.9E,0.4S
5045	и	00:04	ш	ii.		cc .		0.9W, 1.3N, can't get better slit position with current seeing ~2-2.5"
5046	и	00:06	3	V		750um		Checking for standard in slit, looks better
5047	u	80:00	180	grism		750um		
5048	arcs	00:12	30	grism		150um		

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NIGHT: 14 of 14 PAGE: 2 of 4

WEATHER: clear, seeing ~2-3"

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
5049	NGC 253	00:17	20	V		open	2.90	Aligning to ccd4061 from prev. night (that sequence was itself was started at ccd7140 from october), cass = 145; 1.1W, 8.0N
5050	εε	00:21	u	ш		"		1.8W, 0.6; guiding isn't great right now, so it will be difficult to get better than 1" with reference image
5051	ee	00:24	u	ш		cc		1.3E, 1.1N; alignment between images in DS9 looks good enough; can't do much better with seeing ~3"
5052	"	00:27	600	grism		150um		770.6
5053	"	00:39	и	"		cc .		760.3
5054	"	00:50	"	"		"		750.0
5055	"	01:02	"	"		"		739.7
5056	££	01:13	"	"		cc		729.4
5057	"	01:25	"	"		EE		719.1
5058	"	01:36	"	"		EE		708.8
5059	"	01:48	"	"		EE		698.5
5060	"	01:59	"	"		EE		688.2
5061	u	02:11	"	и		££		677.9
5062	u	02:22	"	"		"		667.6
5063	и	02:33	и	"		££		657.3
5064	и	02:45	и	"		££		647.0
5065	и	02:57	и	"		ii.		636.7
5066	44	03:08	20	V		open		626.4, end frame for the night; seeing have improved at other telescopes for the last few steps, likely also at duPont
5067	LTT 377	03:11	3	V		open		cass back to 180 deg, 5.5E, 8.4S

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NIGHT: 14 of 14 PAGE: 3 of 4

WEATHER: clear, seeing ~2-3"

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
5068	cc	03:15	u	"		"		2.9W, 1.1N
5069	££		и	"				1.9W, 2.4S; can't do much better with seeing
5070	í.	03:17	u	"	1.051	750um		Checking if inside slit, looks okay
5071	cc .	03:19	180	grism		750um		
5072	arcs	03:24	30	grism		150um		HeNeAr Arcs
5073	NGC 1566	03:27	20	V		open		Aligning to ccd2093 from ut20181109_10, 3.1W, 5.9S
5074	66	03:30	"	"	1.200	"		0.4W, 0.4S, good match
5075	NGC 1566		600	grism		150um		859.4
5076	cc .	03:45	"	ш		"		849.1
5077	cc .	03:57	u	"		"		838.8
5078	cc .	04:08	"	ш		"		828.5
5079	cc	04:20	íí.	"	1.142	"		818.2
5080	cc .	04:31	u	ш		"		807.9
5081	cc .	04:43	u	"	1.126	"		797.6
5082	cc .	04:54	íí.	"		"		787.3
5083	cc	05:05	"	"		"		777.0
5084	cc .	05:17	íí.	"		"		766.7
5085	cc	05:28	íí.	"		"		756.4
5086	cc .	05:40	"	"	1.111	"		746.1
5087	cc	05:52	и	"	1.112	"		735.8
5088	cc	06:04	и	"	1.116	"		725.5
5089	u	06:15	"	ш	1.121	"		715.2
5090	cc	06:26	u	"		"		704.9
5091	u	06:38	"	ш	1.135	"		694.6
5092	cc .	06:49	"	"		"		684.3

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File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
5093	"	07:01	"	"	1.157	"		674.0
5094	"	07:12	ii.	"	1.170	"		663.7
5095	"	07:24	"	"	1.185	££		653.4
5096	"	07:35	ii.	"	1.202	££		643.1
5097	"	07:47	ii.	íí.		66		632.8
5098	"	07:58	í í	"	1.246	££		622.5
5099	NGC 1566	08:10	20	V		66		612.2, end frame for night
5100	LTT 2415	08:12	3	V		open		Finding standard, 4.0W, 1.7N
5101	"	08:15	и	···	1.032	tt.		0.9E, 1.6S; probably as good as it will get given the seeing for the night
5102	"	08:17	и	"		750um		Not quite centered, trying offsets 1.8E, 0.8S
5103	"	08:19	u	u		open		0.1E, 0.0N
5104	"	08:20	"	"		750um		Checking slit again, looks good
5105	"	08:22	180	grism		750um		
5106	arcs	08:26	30	grism		150um		HeArNe Arcs