

OBSERVING LOG

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

DATE : December 18/19 2019
NIGHT: 1 of 5
PAGE : 1 of 4
WEATHER: clear

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
1001	bias	19:11	8x0	B	-	hart	-	bias Test, OK, ~1370
1002	Slit image	19:20	5	V	zenith	150um	-	top/bot 1418/1431 too tilted, check slit
1003	"	19:25	4	V	"	"	-	1425.1, 2639.9 @ y=2100
1004	"	19:28	"	"	"	750um	-	1436.5, 2628.5 @ y=2100
1005-1007	dflat	19:32	3x3	R	Flat field	open	-	Lamp @ 350V, ~26k peak
1008-1010	"	19:37	3x4	V	"	open	-	Lamp @ 390V, <18k peak
1011-1013	"	19:42	3x4	B	"	open	-	Lamp @ 480V, <22k peak
1014-1016	"	19:47	3x80	grism	"	150um	-	Lamp @ 480V, ~40k peak
1017-1019	"	19:55	3x20	grism	"	750um	-	Lamp @ 480V, <38k peak
1020-1022	"	20:02	3x50	grism	"	hart	-	Lamp @ 480V, ~41k peak
1023	"	20:09	4	V	"	hart	-	Lamp @ 390V
1024-1026	HeNeAr arcs	20:10	30/60/90	grism	"	150um	-	Arcs for calibs
1027-1034	bias	20:21	8x0	-	zenith	-	-	bias, aperture wheel/electronics had to be fixed
1035-1039	Dark	21:39	5x600	R	"	hart	-	Dark frames (Tape removed from wheel?)
1040	Slit image	23:54	1	V	"	150um	-	1424.2, 2640.8 @ y=2100, 1426/1422 top/bot
1041	"	23:58	"	"	"	750um	-	1435.9, 2629.1 @ y=2100, slit check OK
1042	pointing	00:24	1	V	1.003	open	-	Pointing OK, focus WAY out (donuts)
1043	focus	00:28	"	"	1.002	"	-	Still out
1044	"	00:30	"	"	1.002	"	-	Still donuts
1045	"	00:33	"	"	1.002	"	-	Getting better
1046	"	00:35	"	"	1.002	"	-	Slightly better still
1047	"	00:38	"	"	1.002	"	-	
1048	"	00:40	"	"	1.002	"	-	Much better, try focus sequence
1049	Focus sequence	00:43	7x1	"	1.002	"	~1"	Last one best, keep going

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1050	Focus sequence	00:48	7x1	V	1.002	V	~1"	3rd step, 15430
1051	LTT 1788	00:55	5	V	1.096	V	1"	std. star, 387.9W, 56.9"S, satellite!
1052	"	01:00	"	"	1.088	"	~1"	1.7"W, 3"S
1053	"	01:03	"	"	1.083	750um		OK
1054	LTT 1788	01:06	300	grism	1.080	"		Std. star
1055	HeNeAr arc	01:12	30	grism	1.174	150um		Arc for standard
1056	NGC 1566	01:19	20	V	1.191	Open	1.1"	Align w/2093, 11/09/18, 390.5W, 36.7S
1057	"	01:27	"	"	1.178	"	1.1"	151.5"E, 28.1"N, Trump impeached
1058	"	01:31	"	"	1.174	"		OK, offset 1" E for slit
1059	"	01:36	"	"	1.168	"	~1"	Start here, move -10.3
1060	NGC 1566	01:39	600	grism	1.164	150um		516.3, 879.1, article 2 of impeachment passes
1061	"	01:50	"	"	1.153	"		868.8
1062	"	02:00	"	"	1.142	"		858.5
1063	"	02:13	"	"	1.131	"		848.2
1064	"	02:24	"	"	1.124	"		837.9
1065	"	02:36	"	"	1.119	"	~1"	827.6
1066	"	02:48	"	"	1.114	"		817.3
1067	"	02:59	"	"	1.112	"		807.0
1068	"	03:10	"	"	1.111	"		796.7
1069	"	03:22	"	"	1.111	"		786.4
1070	"	03:38	"	"	1.115	"		776.1
1071	"	03:51	"	"	1.119	"	~1.2"	765.8
1072	"	04:03	"	"	1.126	"		755.5
1073	"	04:14	"	"	1.134	"		745.2

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1074	NGC 1566	04:26	600	grism	1.143	150um	~1"	734.9
1075	"	04:38	"	"	1.155	"		724.6
1076	"	04:49	"	"	1.169	"		714.3
1077	"	05:00	"	"	1.184	"		704.0
1078	"	05:12	"	"	1.200	"		693.7
1079	"	05:23	"	"	1.219	"		683.4
1080	"	05:35	"	"	1.243	"		673.1
1081	"	05:46	"	"	1.264	"		662.8
1082	"	05:58	"	"	1.290	"		652.5
1083	"	06:09	"	"	1.320	"		642.2
1084	"	06:21	"	"	1.352	"		631.9
1085	"	06:32	"	"	1.389	"		621.6
1086	"	06:44	"	"	1.427	"	<1"	611.3 excellent seeing continues
1087	"	06:56	"	"	1.512	"		601.0
1088	"	07:07	"	"	1.517	"		590.7
1089	"	07:19	"	"	1.570	"		580.4 MOON
1090	"	07:30	"	"	1.625	"		570.1
1091	"	07:41	"	"	1.690	"		559.8
1092	NGC 1566	07:53	20	V	1.761	open	~1.4"	549.5
1093	LTT 2415	07:56	3	V	1.321	Open		389.3"W, 69.1"S
1094	"	07:58	"	"	1.340	"		1"W
1095	"	08:02	"	"	1.348	750um	1.3"	ok...
1096	LTT 2415	08:04	240	grism	1.356	750um		Standard
1097	HeNeAr arc	08:09	31.5	grism	1.388	150um		Arc for standard, wrong exp time, stopped

