

# OBSERVING LOG

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

**DATE** : January 11/12 2018  
**NIGHT**: 1 of 8  
**PAGE** : 1 of 4  
**WEATHER**: high clouds

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
1001	bias check	18:48	-	-	dflat	open	-	OK
1002-1004	dflat	18:52	3x4	B	-	open	-	lamp @ 480V, ~20K counts
1005-1007	"	18:58	3x4	V	-	"	-	lamp @ 390V, ~16K counts
1008-1010	"	19:14	3x4	R	-	"	-	lamp @ 350V, ~28K counts
1011-1013	"	19:21	3x80	grism	-	150um	-	lamp @ 480V, peak ~35k counts
1014-1016	"	19:29	3x20	"	-	750um	-	lamp @ 480V
1017-1019	hartmann		3x50	grism	-	hart.	-	lamp @ 480V
1020	"		4	V	-	"	-	lamp @ 350V
1021-1023	HeNeAr arc		30/60/90	grism	-	150um	-	HeNeAr
1024	Slit image dflat	20:01	10	V	-	"	-	@ 390V, @FLAT, y:2000,x:1445.77,
1025	slit image dflat	20:02	4	"	-	750um	-	@ 390V, @FLAT
1026-33	bias	20:04	8x0	-	-	-	-	no pattern noise
1034	slit image	21:02	10	V	zenith	150um	-	tilted, 1439 bottom -> 1452 at top
1035	"	21:11	"	"	-	"	-	Wrong slit, need to rotate
1036	"	21:14	"	"	-	"	-	1445 ->1461: still tilted
1037	"	21:23	"	"	-	"	-	1421->1433.6: , Oscar will adjust after dinner
1038	"	23:11	"	"	-	"	-	1421->1433.7, O will try rotate dewar
1039	"	23:17	"	"	-	"	-	1427->1414, rotate back
1040	"	23:24	"	"	-	"	-	1422.6->1422.5!!! 2000:1422.7, 2642.3
1041	"	23:38	4	"	-	750um	-	y=2000:1434.1, 2630.9
1042	Hartmann	23:42	4	"	-	hart.	-	@350v
1043	"	23:35	"	"	dflat	"	-	@350V
1044-1046	dflat	23:47	3x50	grism	"	"	-	@480V Redoing flats with new dewar/slit pos
1047-1049	"	23:54	3x80	"	"	150um	-	@480V
1050-1052	"	00:03	3x20	"	"	750um	-	@480V

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1053-1055	HeNeAr arc	00:08	30/60/90	grism	dflat	150um	-	Arcs for new flats
1056	pointing check	00:25	3	V	1.002	open	-	300" W to set pointing near slit
1057	pointing check	00:29	1	"	1.004	"	-	OK, pointing set
1058	LTT 1020	00:36	5	V	1.054	open	1.3"	cloudy, 80"W, 17"S
1059	"	00:39	5	V	1.058	750um		In slit @ y=1999
1060	LTT 1020	00:41	300	grism	1.062	"		Std-but through clouds-pk = 40k counts
1061	HeNeAr arc	00:49	30	grism	1.073	150um		Arc for std.
1062	PL Blazar	00:52	5	V	1.675	open	1.3"	faint, @ 1565,1958.
1063	"	00:56	30	"	1.712	"		too cloudy, can't see object
1064	"	00:59	30	"	1.74	"	1.2"	faint, @ 1563, 2097, 68.5"W, 47"N
1065	"	01:03	30	"	1.78	"		faint, @ 1419.5, 1997. 1.5"E off
1066	"	01:08	30	"	1.83	150um		Edge of slit, 0.5"E
1067	"	01:12	600	grism	1.86	"		faint, but there
1068	"	01:22	"	"	>2	"		Still some clouds
1069	SN 2016gkg	01:37	30	V	1.23	open	1.3"	check field
1070	SN 2016gkg	01:41	180	V	1.25	"	1.3"	Don't see the SN
1071	"	01:46	300	V	1.26	"	1.35"	fainter, still cloudy
1072	"	01:53	600	V	1.29	"		clouds worse/thinning near end
1073	"	02:06	180	B	1.347	"		Lighter clouds
1074-1077	"	02:12	4x300	B	1.37	"		
1078-1081	"	02:39	4x300	R	1.525	"		still fewer clouds
1082-1085	"	03:05	4x300	V	1.72	"		Much better/almost no clouds
1086	NGC 1532	03:38	10	V	1.13	open		Ring = 215, should have been 145
1087	"	03:40	"	"	1.13	"		Ring=145, cen star @ 1600,2437,51"E,222"N
1088	"	03:46	"	"	1.15	"	1.2"	Putting that star @ y=2300 to cen galaxy

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**WEATHER:** light passing clouds

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
1089	NGC 1532	03:52	10	V	1.16	open	1.2"	Star is OK, starting HERE, -10.3 in Y
1090	NGC 1532	03:59	600	grism	1.18	150um		guider=524.0, 820.8
1091	"	04:11	"	"		"		810.5
1092	"	04:22	"	"	1.25	"		800.2
1093	"	04:34	"	"	1.29	"		789.9
1094	"	04:45	"	"	1.34	"		779.6
1095	"	04:57	"	"	1.39	"		769.3
1096	"	05:08	"	"	1.46	"		759.0
1097	NGC 1532	05:20	10	V	1.527	open	1.2"	748.7
1098	GRB171205A	05:27	60	V	1.405	open	1.4"	Ring=180, Elongated psf
1099-1100	"	05:29	2x60	V	1.37	"	1.2"	PSF OK
1101-1102	"	05:35	2x60	R	1.36	"	1.2"	
1103	NGC 3521	05:48	15	V	1.458	"	1.4"	offset: 67.6"W, 57.5"S align w/ccd2076 feb '14
1104	"	05:52	"	"	1.44	"	1.35"	1.5"E, 0.6"S
1105	"	05:55	"	"	1.42	"	1.2"	pos matched, rotation?, 2.6"W for slit/overlap
1106	"	06:02	"	"	1.39	"	1.1"	
1107	NGC 3521	06:05	600	grism	1.382	150um		y=351.7
1108	"	06:17	"	"	1.336	"		362.0
1109	"	06:29	"	"	1.3	"		372.3
1110	"	06:40	"	"	1.27	"		382.6
1111	"	06:50	"	"	1.238	"		392.9
1112	"	07:02	"	"	1.21	"		403.2
1113	"	07:14	"	"	1.19	"		413.5
1114	"	07:27	"	"	1.175	"		423.8
1115	"	07:37	"	"	1.165	"		434.1

