LNO RECALIBRATION T1

MEASUREMENT LOG

Calib 2

Date(s) on this sheet: 25/4/15					Temperature: ~18°C
Date/ Time	Channel	COP row(s)	TC(20) Start	TC(20) Stop	Description
25/04 8:52	SO/LNO UVIS	GEN= 236 SCI= 3506 3959 SCI=	20	1740	Globon – cell CH4 = ab. 5 Miniscan step 2kHz – frep = 18850000 subdom 3506 Fixed 236 AOTF = 116
9:40	SO/LNO UVIS	GEN= 236 SCI= 3504 3957 SCI=		1740	Globon – cell CH4 subdomain = 3504 frep = ~~18340~~ 17830 AOTF = 114
10:10	SO/LNO UVIS	GEN= 236 SCI= 3505 3958 SCI=		1740	CH4 subdom = 3505 frep = 18340 AOTF = 115
11:02	SO/LNO UVIS	GEN= 236 SCI= 3507 3960 SCI=		1740	miniscan CH4 subdom = 3507 frep = 19360 AOTF = 117
11:33	SO/LNO UVIS	GEN= 236 SCI= 3508 3961 SCI=		1740	miniscan CH4 subdom = 3508 frep = 19870 AOTF = 118
12:39	SO/LNO UVIS	GEN= 236 SCI= 3521 3974 SCI=		1740	miniscan CO subdom = 3521 freq = 2650 AOTF = 131 ? pas de raies de CO !
13:19	SO/LNO UVIS	GEN= 236 SCI= 3522 3975 SCI=		1740	miniscan CO subdom = 3522 frep = 27010 AOTF = 132 pas de raies de CO
15:06	SO/LNO UVIS	GEN= 236 SCI= 3513 3966 SCI=		1740	miniscan CO2 subdom = 3513 frep = [redacted] AOTF = 123 22420 (21910 nA done)
15:36	SO/LNO UVIS	GEN= 236 SCI= 3514 3967 SCI=		1740	CO2 subdom = 3514 frep = 22930 AOTF = 124

RECALIB

MEASUREMENT LOG

Date(s) on this sheet: 25[illegible]/4/15					Temperature: ~ -18°C.
Date/ Time	Channel	COP row(s)	TC(20) Start	TC(20) Stop	Description
17:20	SO/LNO UVIS	GEN= 237 SCI= 3983 SCI=	20	2490	order stepping Global NO cal - with sub Sub - binning Bin
18:30	SO/LNO UVIS	GEN=238 SCI= 3991 SCI=	20	2490	DK corresponding to NO Binning LNO_order_4y_15_50_G_dk_NoBin
18:48	SO/LNO UVIS	GEN= 237 SCI= 3984 SCI=	20	2490	DK " with Binning LNO_ order_ stepping_15_50_Glob_dk.
19:04	SO/LNO UVIS	GEN=237 SCI= 3982 ~~SCI=~~	20	2490	Global order stepping No cal _No sub. - binning.
~~wait~~	SO/LNO UVIS	GEN= SCI= ~~SCI=~~			
20:40	SO/LNO UVIS	GEN= 238 SCI= 3537 ~~SCI=~~	20	2490	LNO_order=step_15_50_G_sub_NoBin -Sub. -NO binning PACKET ERROR AT END. 135378 x2 and. 8180 Bytes
21:37.	SO/LNO UVIS	GEN= 238 SCI= 3537 ~~SCI=~~	20	2490	LNO_order_step_15_50_G_NoSub_NoBin. -No sub. BAD PACKETS AT END -No binning. 17x100
~~wait 30 mins~~ 22:[illegible] 47	SO/LNO UVIS	GEN=[illegible]221 SCI=34[illegible]89 ~~SCI=~~	20	880	LNO_Intstepping_global_[illegible]ms_ WTop 128. ~6 MINS COOLDOWN.
[illegible] 23:03	SO/LNO UVIS	GEN= 222 SCI= 3489 [illegible]	20	880.	LNO_Intstepping_global_17x100ms WTop 152

RECALIB 1

600=10
1200=20
1800=30
2400=40

MEASUREMENT LOG

Date(s) on this sheet: 25-26/4/15					Temperature: ~ -18°C
Date/ Time	Channel	COP row(s)	TC(20) Start	TC(20) Stop	Description
23:19	SO/LNO UVIS	GEN= 221 SCI= 3491 222	20	980	LNO_Int stepping_globar_27x30ms _WTop 128
23:36 wait 00:30	SO/LNO UVIS	GEN= SCI= 3491	20	980	LNO_Int stepping_globar_27x30ms_ WTop 152.
00:28	SO/LNO UVIS	GEN= 236 SCI= 3515	20	1740	LNO_miniscan_CO_2-23440 Freq=23440 Bining=5
00:58 wait 02:00	SO/LNO UVIS	GEN=236 SCI=3516	20	1740	LNO_miniscan_CO_2-23950
01:57 → wait 10mins 0:45	SO/LNO UVIS	GEN=236 SCI=3516. SCI=12	20 20	1740 450	LNO_miniscan_CO_2-24460 ALSO + UVIS D_2 lamp 19s IT Full HEATER diffuser close to lamp frame ON?!?!
02:43 → wait 20. 14	SO/LNO UVIS	GEN=237 SCI= 3503/ 3535	20	2610	LNO_order_stepping IS_800_ref Dark Ref at start + end T_{BB}=150°C WTop=80, Sub=OFF
03:46 wait 14	SO/LNO UVIS	GEN=237 SCI= 3503/3535.	20	2610	LNO_order_stepping IS_800_ref T_{BB}=130°C WTop=80, Sub=OFF
05:07	SO/LNO UVIS	GEN=237 SCI=3528	20	2480 1410	LNO_order_stepping IS_800 T_{BB}=150°C WTop=80, Sub= ON
05:50 wait 30 ~6:40.	SO/LNO UVIS	GEN= 10 SCI= 2503	20	3	~~LNO order stepping IS~~ T_{BB}=150°C WTop=80 Typical row. WTop 80 → 800ms, WHeight 140 Nadir Max 148, 134, 169, 119, 190. LNO_typical_nadir_max.

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MEASUREMENT LOG

Date(s) on this sheet: 26/4/15					Temperature: ~ −18°C
Date/ Time	Channel	COP row(s)	TC(20) Start	TC(20) Stop	Description
06:46	SO/LNO	GEN= 237 SCI= 3542 3535	20	2310	LNO_longduration_order_165_15_800_888_sf Dark Ref at start and end. 800ms long duration order 165 [No N2 purge]
wait 20	UVIS				
07:46	SO/LNO	GEN= 237 SCI= 3526	20	2480	LNO_order_stepping_15_800 T_{BB} = 150°C WTop = 80 sbsf = 1.
wait 20.	UVIS	SCI=			
08:45	SO/LNO	GEN= 216 SCI= 3489	20	880	LNO_Intstepping_8-31
	UVIS	SCI=			
09:04	SO/LNO	GEN= 217 SCI= 3489	20	880	_32-55
	UVIS	SCI=			
09:20	SO/LNO	GEN= 218 SCI= 3489	20	880	_56-79
wait 25'	UVIS	SCI=			
09:59	SO/LNO	GEN= 219 SCI= 3489	20	880	_80-103
	UVIS	SCI=			
10:14	SO/LNO	GEN= 220 SCI= 3489	20	880	_104-127
	UVIS	SCI=			
10:29	SO/LNO	GEN= 221 SCI= 3489	20	880	_128-151
	UVIS	SCI=			
10:46	SO/LNO	GEN= 222 SCI= 3489	20	880	_152-175
wait 30'	UVIS	SCI=			

MEASUREMENT LOG

Date(s) on this sheet: 26/4/15					Temperature: ~-180C → +8°C
Date/ Time	Channel	COP row(s)	TC(20) Start	TC(20) Stop	Description
11:34 shoulds T to 0C	SO/LNO UVIS	GEN=223 SCI=3489 SCI=	20	880	LNO_Intstepping_176-199
11:50	SO/LNO UVIS	GEN=224 SCI=3489 SCI=	20	880	LNO_ _200-223
12:05	SO/LNO UVIS	GEN=225 SCI=3489 SCI=	20	880	_224-247
12:21 wait 40'	SO/LNO UVIS	GEN=220 SCI=3489 SCI=	20	880	FOR. HEATING ↓ _104-127
13:13	SO/LNO UVIS	GEN=221 SCI=3489 SCI=	20	880	_128-151
13:29	SO/LNO UVIS	GEN=220 SCI=3489 SCI=	20	880	_104-127
13:45	SO/LNO UVIS	GEN=221 SCI=3489 SCI=	20	880	_128-151
14:01 wait 35'	SO/LNO UVIS	GEN=222 SCI=3489 SCI=	20	880	_152-175
14:50	SO/LNO UVIS	GEN=220 SCI=3489 SCI=	20	880	_104-127

MEASUREMENT LOG

Date(s) on this sheet: 26/4/15					Temperature: → +8°C
Date/ Time	Channel	COP row(s)	TC(20) Start	TC(20) Stop	Description
15:05	SO/LNO UVIS	GEN=221 SCI= 3489 SCI=	20	880	LNO_Intstepping_128-151
15:20	SO/LNO UVIS	GEN= 222 SCI= 3489 SCI=	20	880	_152-175
15:36 —wait 30'	SO/LNO UVIS	GEN= 223 SCI= 3489 SCI=	20	880	_176-199
16:19	SO/LNO UVIS	GEN=220 SCI=3489 SCI=	20	880	_164-127
16:36	SO/LNO UVIS	GEN= 221 SCI= 3489 SCI=	20	880	_128-151
16:51	SO/LNO UVIS	GEN= 222 SCI= 3489 SCI=	20	880	_152-175
17:07 —wait 20'	SO/LNO UVIS	GEN= 223 SCI= 3489 SCI=	20	880	_176-199
	SO/LNO UVIS	GEN= SCI= SCI=			
	SO/LNO UVIS	GEN= SCI= SCI=			

LNO RECALIBRATION T2

MEASUREMENT LOG

Date(s) on this sheet: 26/4/13					Temperature: +8°C
Date/ Time	Channel	COP row(s)	TC(20) Start	TC(20) Stop	Description
17:44	SO/LNO UVIS	GEN=201 SCI= 3538 SCI=			LNO_Intstepping-8-31
17:59	SO/LNO UVIS	GEN=210 SCI= 3538 SCI=		USED	_224-247
18:14	SO/LNO UVIS	GEN=202 SCI= 3538 SCI=		WRONG	_32-55
18:30 wait 30'	SO/LNO UVIS	GEN=209 SCI= 3538 SCI=		TC's	_200-223
19:16	SO/LNO UVIS	GEN=203 SCI= 3538 SCI=		FROM	_56-79
19:31	SO/LNO UVIS	GEN=208 SCI= 3538 SCI=		OLD	_176-199
19:46	SO/LNO UVIS	GEN=204 SCI= 3538 SCI=		CALIBRATION.	_80-103
20:02 wait	SO/LNO UVIS	GEN=207 SCI= 3538 SCI=			_152-175
20:[illegible]50	SO/LNO UVIS	GEN=[illegible]219 SCI= 3489 SCI=			

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STARTED AGAIN ON NEXT PAGE.

MEASUREMENT LOG

Date(s) on this sheet: 26/4/15 – 27/4/15					Temperature: ~+8°C
Date/ Time	Channel	COP row(s)	TC(20) Start	TC(20) Stop	Description
26/4/15 20:50	SO/LNO UVIS	GEN= 219 SCI= 3489 SCI=	20	880	LNO_int stepping - 80-103.
21:10	SO/LNO UVIS	GEN= 220 SCI= 3489 SCI=	20	880	-104-127
21:27	SO/LNO UVIS	GEN= 221 SCI= 3489 SCI=	20	880	-128-151
21:42.	SO/LNO UVIS	GEN= 222 SCI= 3489 SCI=	20	880	-152-175.
— wait 30mins					
22:25.	SO/LNO UVIS	GEN= 221 SCI= 3491 SCI=	20	980	LNO_Int stepping_6bbar_27x30ms _WTop 128
22:43.	SO/LNO UVIS	GEN= 2201 SCI= 3489 SCI=	20	880	_17x100ms _WTop 128
~23:00 22:59	SO/LNO UVIS	GEN= 222 SCI= 3491 SCI=	20	980	_27x30ms _WTop 152
~23:15 23:16.	SO/LNO UVIS	GEN= 222 SCI= 3489 SCI=	20	880	_17x100ms _WTop 152
— wait 30					
~00:00 00:05	SO/LNO UVIS	GEN= 237 SCI= 3501/3533 SCI=	20	2610	LNO_order_stepping15_400_BB_ref T_{BB} = 150°C. BAD PACKETS AT END. ~~SCI 2 SO~~
— wait 20.					
27/4/15					ISs OF SCI 2 ADDED AT END.

MEASUREMENT LOG

Date(s) on this sheet: 27/4/15					Temperature: +8°C
Date/ Time	Channel	COP row(s)	TC(20) Start	TC(20) Stop	Description
~~01:00~~ wait 26	SO/LNO UVIS	GEN= 237 SCI= 3501/3533 SCI=	20	2610	LNO_order_stepping IS_400_BB_~~ref~~ T_{BB} = 130°C N_2 ON
~~02:00~~ 02:01 wait 20	SO/LNO UVIS	GEN= SCI= 〃 SCI=	〃	〃	〃 T_B = 110°C N_2 ON
~~03:00~~ 03:04 wait ~~30~~ 15	SO/LNO UVIS	GEN= 237 SCI= 3526 SCI=	20	2310	LNO_order_stepping IS_400_BB T_B = 150°C. N_2 ON SBSF=ON
	SO/LNO UVIS	GEN= SCI= SCI=			
~~04:00~~ 04:11	SO/LNO UVIS	GEN= 10 SCI= 2503 SCI=	20	1410	LNO_typical_nadir_max T_B = 150°C OGSE OPEN
~~04:20~~ 04:35 wait 30.	SO/LNO UVIS	GEN= 237 SCI= 3542/3535 SCI=	20	2310	LNO_long duration_order165_IS_800 T_B = 150°C OGSE OPEN
~~05:30~~ 05:32 wait ~~20~~	SO/LNO UVIS	GEN= 237 SCI= 3530 SCI=	20	2520	LNO_order_step_IS_50_G_sub_bin. WITH GLOBAR + N_2 PURGE ON
~~06:30~~ 06:43.	SO/LNO UVIS	GEN= 237 SCI= 3529 SCI=	20	2520	_G_nosub_bin W/ GLOBAR + N_2 PURGE
~~07:10~~ 07:28 wait 25	SO/LNO UVIS	GEN= 237 SCI= 3531 SCI=	20	855	_G_dark_bin. 〃

MEASUREMENT LOG

Date(s) on this sheet: 27/4/15					Temperature: +8°C
Date/ Time	Channel	COP row(s)	TC(20) Start	TC(20) Stop	Description
	SO/LNO UVIS	GEN= SCI= SCI=			
~08:08	SO/LNO UVIS	GEN=238 SCI=3537. SCI=	20	2520	LNO_order_step_IS_SO_G_[illegible] w/GLOBAR + N_2 PURGE sub_nobin
wait 25 ~09:00 9:18	SO/LNO UVIS	GEN=238 SCI=3536 SCI=	20	2520	_G_nosub_nobin "
~09:40 10:00 [illegible]	SO/LNO UVIS	GEN=238 SCI=3538 SCI=	20	855.	_G_dark_nobin "
	SO/LNO UVIS	GEN= SCI= SCI=			
~10:30 10:16 wait	SO/LNO UVIS	GEN=236 SCI=3504 SCI=	20	1720	LNO_nadscan_CH_4_17830 GLOBAR + CH_4 CELL
~11:00 11:26 [illegible]	SO/LNO UVIS	GEN=236 SCI=3505 SCI=			CH_4 cell -18340
~12:00 11:58 [illegible] wait	SO/LNO UVIS	GEN=236 SCI=3506 SCI=			CH_4 cell -18850
~12:30 12:59 [illegible]	SO/LNO UVIS	GEN=236 SCI=3507 SCI=			CH_4 cell -19360

MEASUREMENT LOG

Date(s) on this sheet: 27/4/15					Temperature: +8°C
Date/ Time	Channel	COP row(s)	TC(20) Start	TC(20) Stop	Description
~13:30 13:28 wait	SO/LNO UVIS	GEN=236 SCI=3508 SCI=			CH4 cell -19870
	SO/LNO UVIS	GEN= SCI= SCI=			
~14:00 14:31	SO/LNO UVIS	GEN=236 SCI=3513 SCI=	20	1720	LNO_nominal_CO2-22420 GLOBAR + CO2 CELL + N2 PURGE
~15:00	SO/LNO UVIS	GEN= SCI= SCI=			
~15:30 15:01 wait30	SO/LNO UVIS	GEN=236 SCI=3514 SCI=			CO2 cell -22930
~16:30 16:03	SO/LNO UVIS	GEN=236 SCI=3515 SCI=			CO2 cell -23440
~17:00 16:32 wait30	SO/LNO UVIS	GEN=236 SCI=3516 SCI=			CO2 cell -23950
~18:00 17:37	SO/LNO UVIS	GEN=236 SCI=3517 SCI=			CO2 cell -24460
18:13	SO/LNO UVIS	GEN=236 SCI=3518 SCI=	〃	〃	CO2 cell extra measurement -24970 WHILE TEMPERATURE INCREASES.

SHROUDS CHANGED @ 17:50

MEASUREMENT LOG

Date(s) on this sheet: 27/4/15.					Temperature: +8 →
Date/ Time	Channel	COP row(s)	TC(20) Start	TC(20) Stop	Description
1980 19:15	SO/LNO UVIS	GEN= SCI= SCI=			MEASUREMENTS DURING HEATING PHASE, T_{BB}=150°C LNO order stepping_IS_200_BB NO N_2
20:15	SO/LNO UVIS	GEN= SCI= SCI=			
	SO/LNO UVIS	GEN= SCI= SCI=			
	SO/LNO UVIS	GEN= SCI= SCI=			
	SO/LNO UVIS	GEN= SCI= SCI=			
	SO/LNO UVIS	GEN= SCI= SCI=			
	SO/LNO UVIS	GEN= SCI= SCI=			
	SO/LNO UVIS	GEN= SCI= SCI=			
	SO/LNO UVIS	GEN= SCI= SCI=			