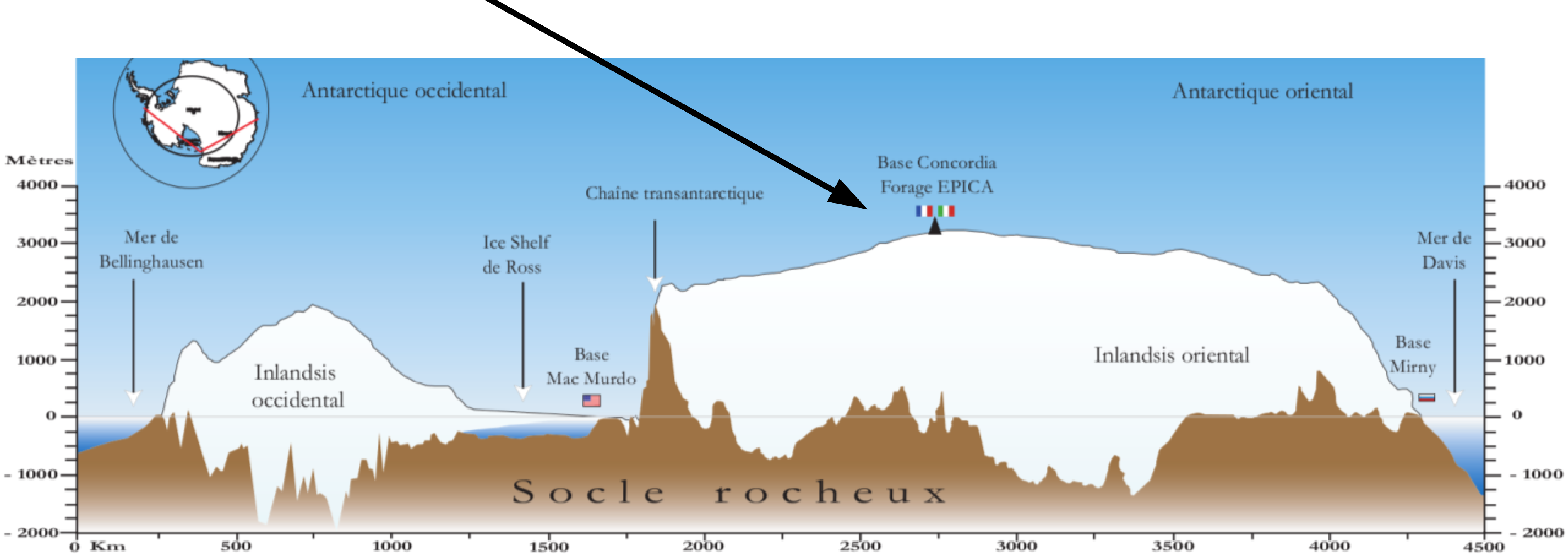
High-Tune

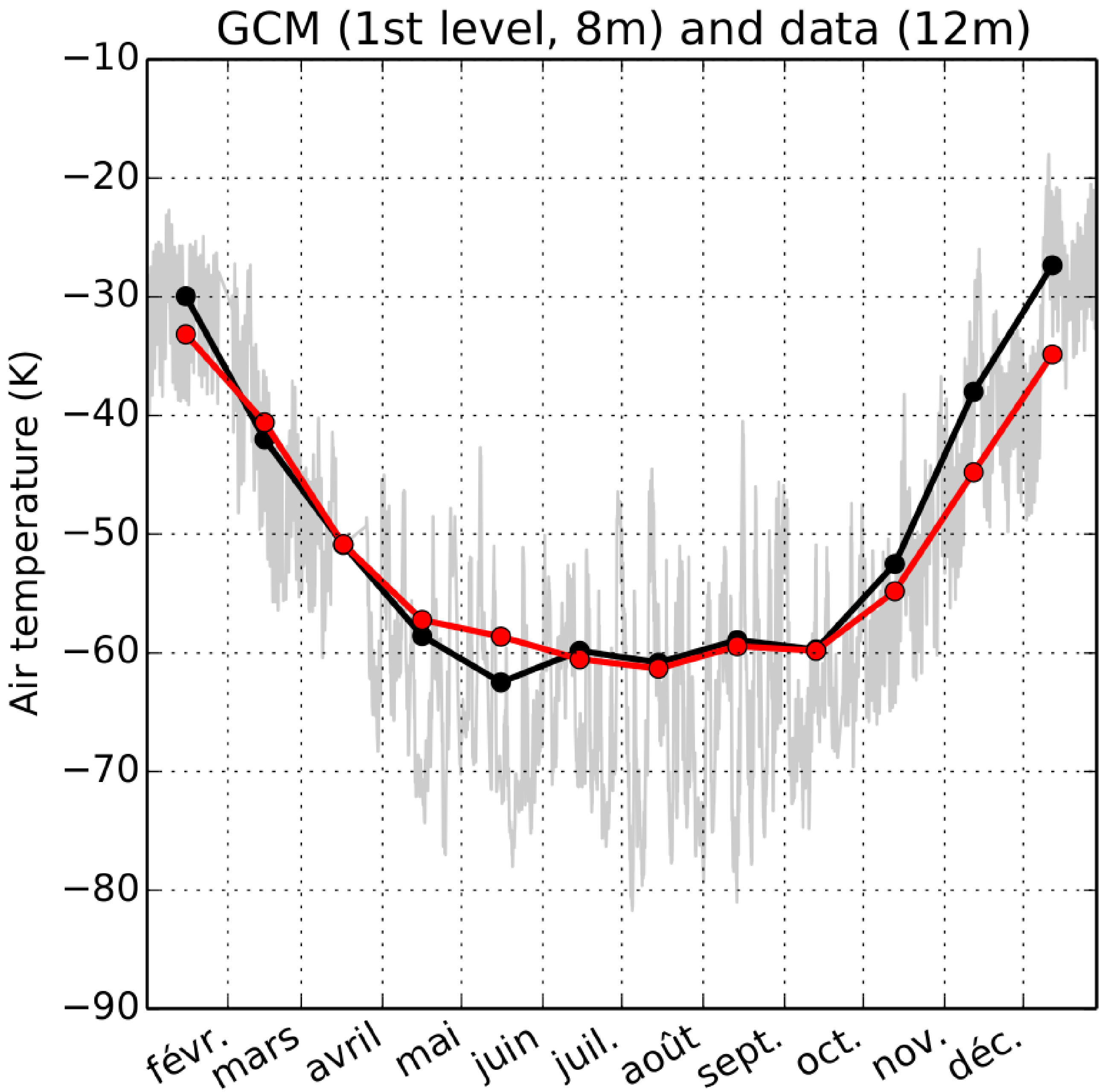
3 Mai 2018

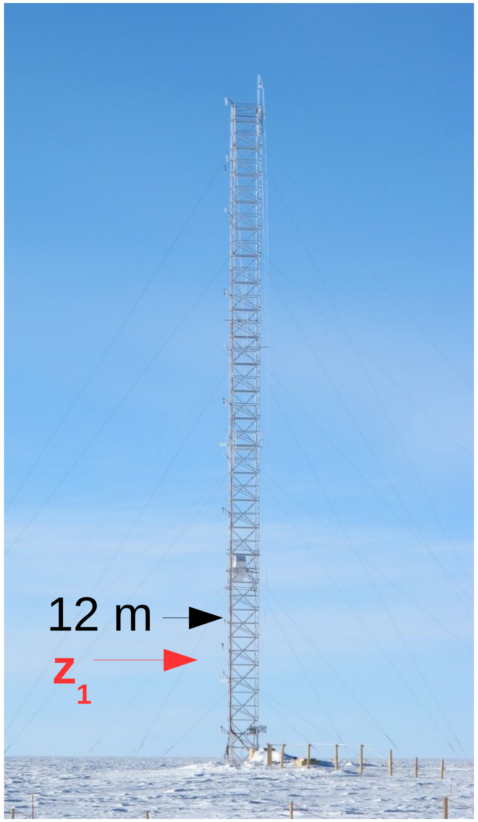
Tests GABLS4

Contexte


Antarctique occidental
Antarctique oriental
Mètres
4000
3000
2000
1000
0
- 1000
- 2000
Base Concordia
Forage EPICA
Chaîne transantarctique
Mer de
Bellinghausen
Ice Shelf
de Ross
Mer de
Davis
Base
Mac Murdo
Base
Mirny
Inlandsis
occidental
Inlandsis oriental
Socle rocheux
0 Km
500
1000
1500
2000
2500
3000
3500
4000
4500

Mast temperatures

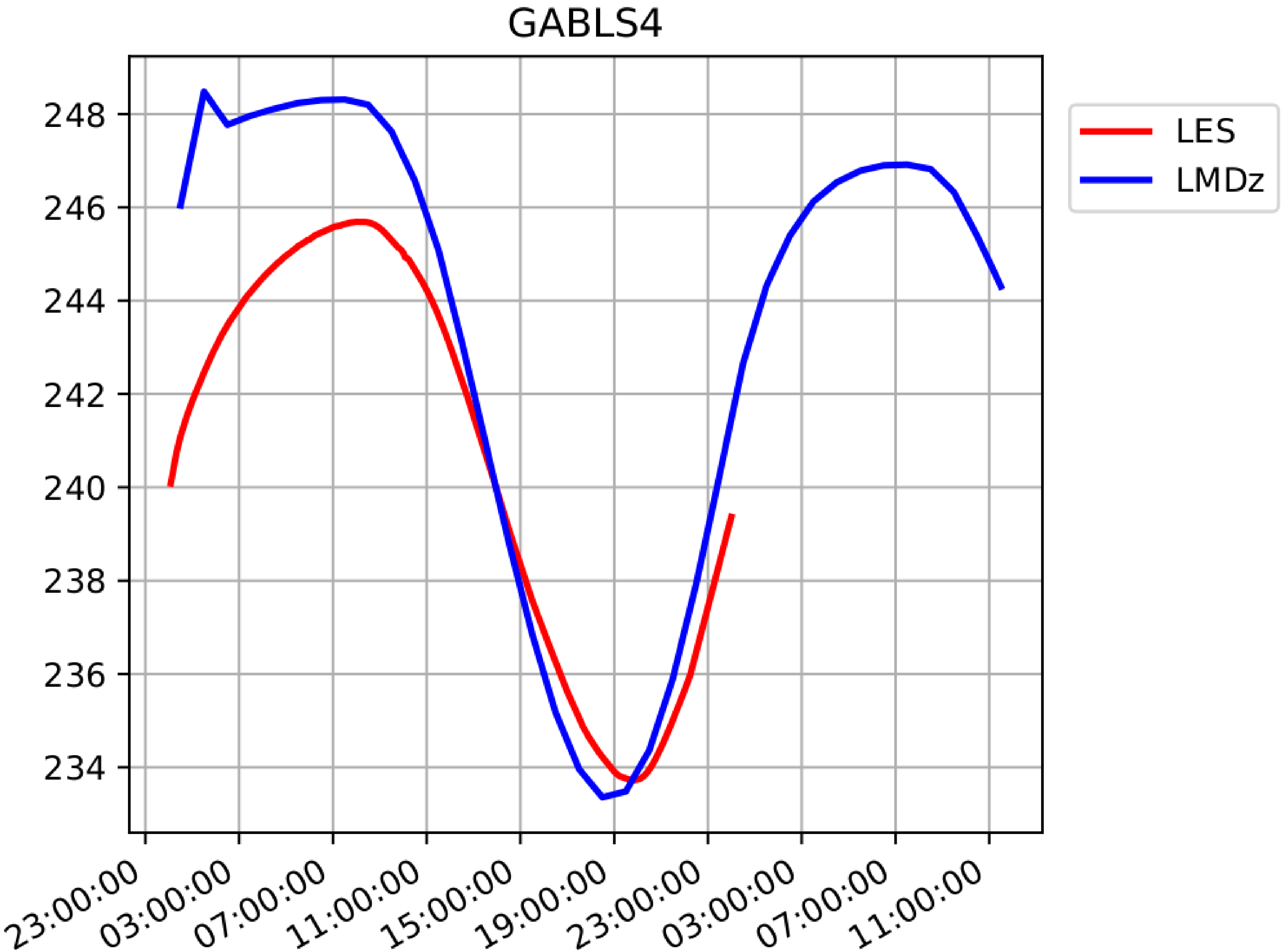




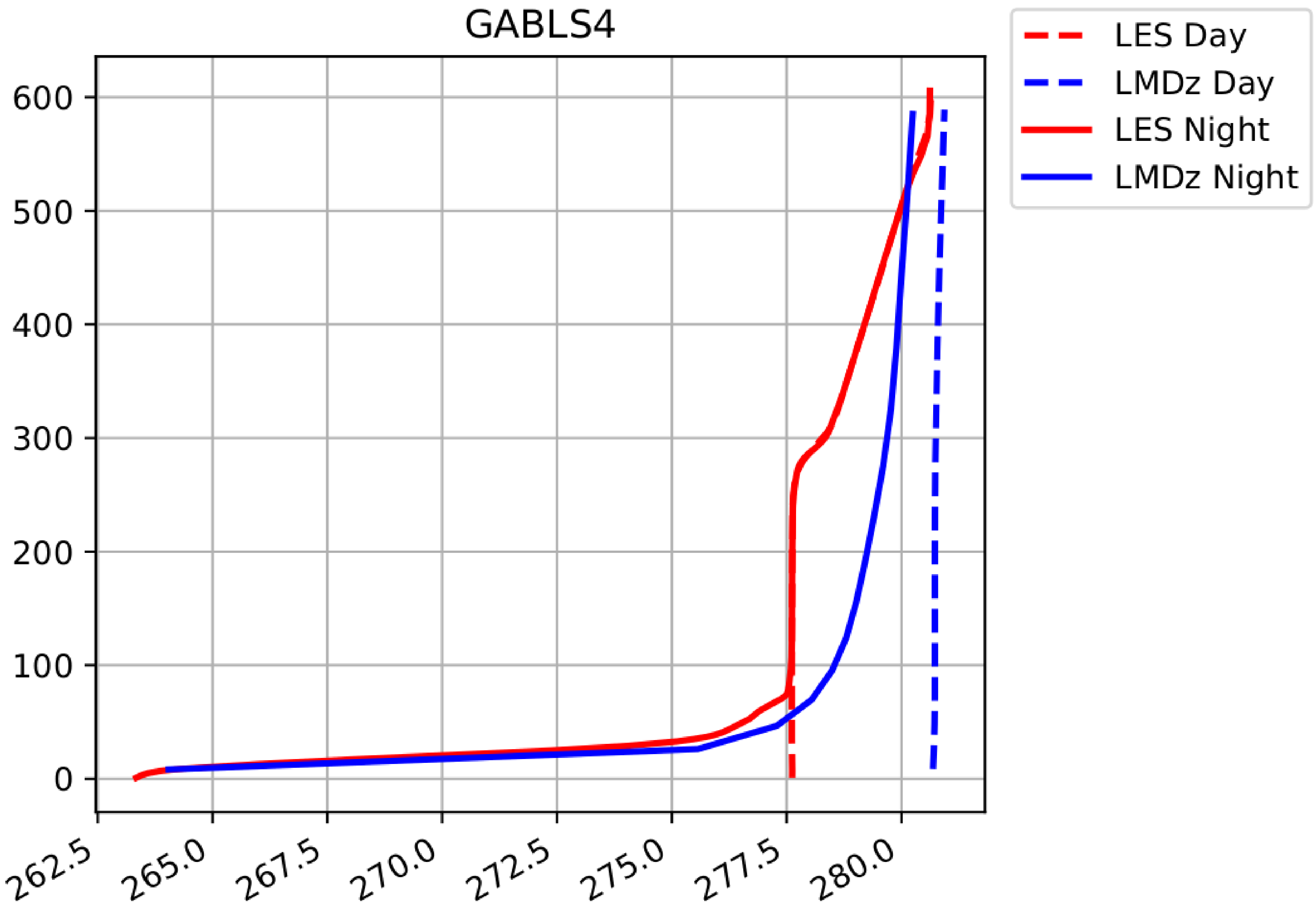
Niveaux de mesure et
niveaux LMDz 6 (8, 22, 39m)

Time evolution temperature 10m

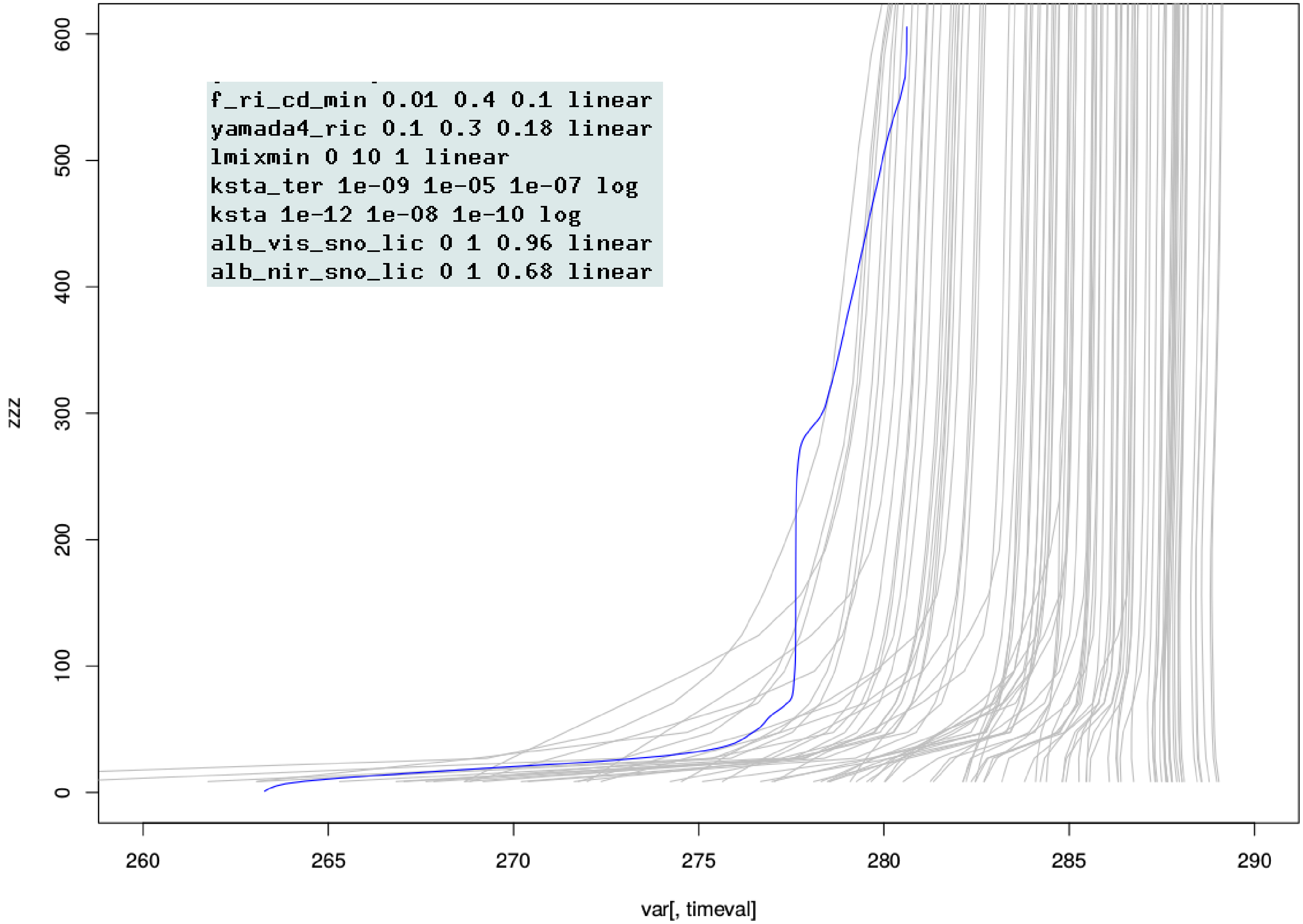
21/12/16



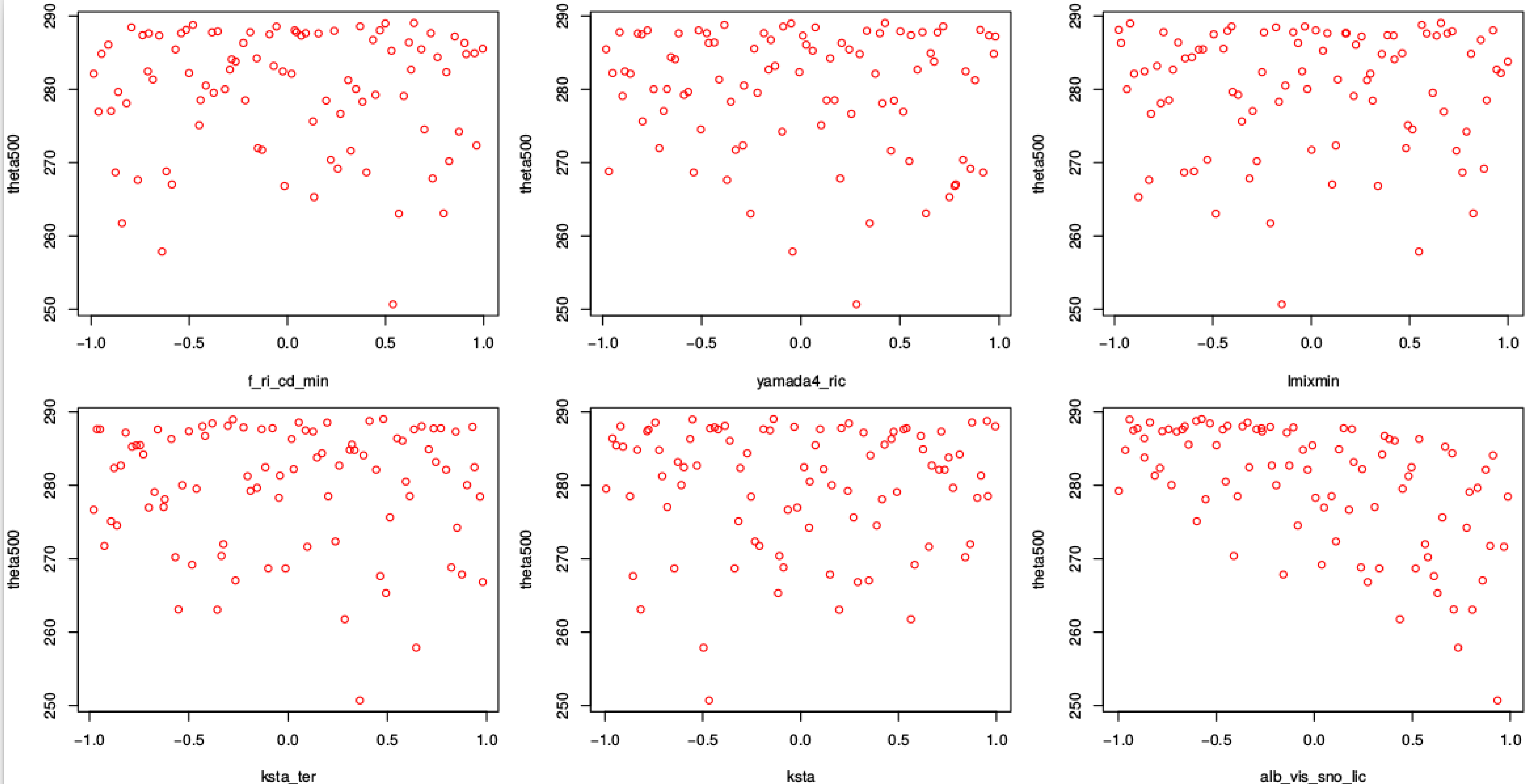
Θ profiles

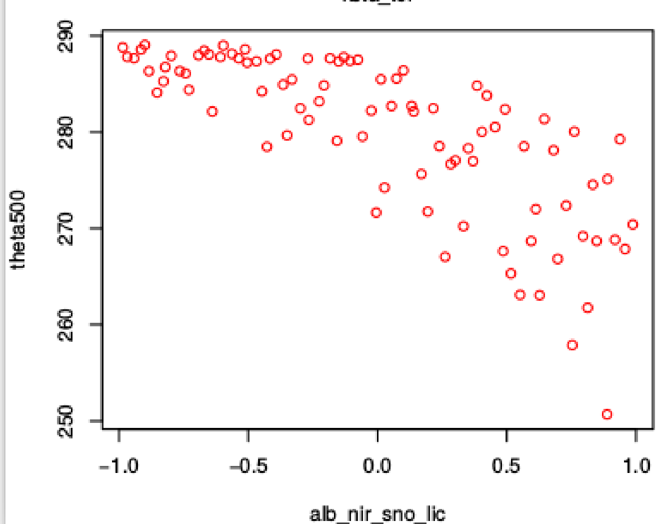

GABLS4
600
500
400
300
200
100
0
262.5
265.0
267.5
270.0
272.5
275.0
277.5
280.0
LES Day
LMDz Day
LES Night
LMDz Night

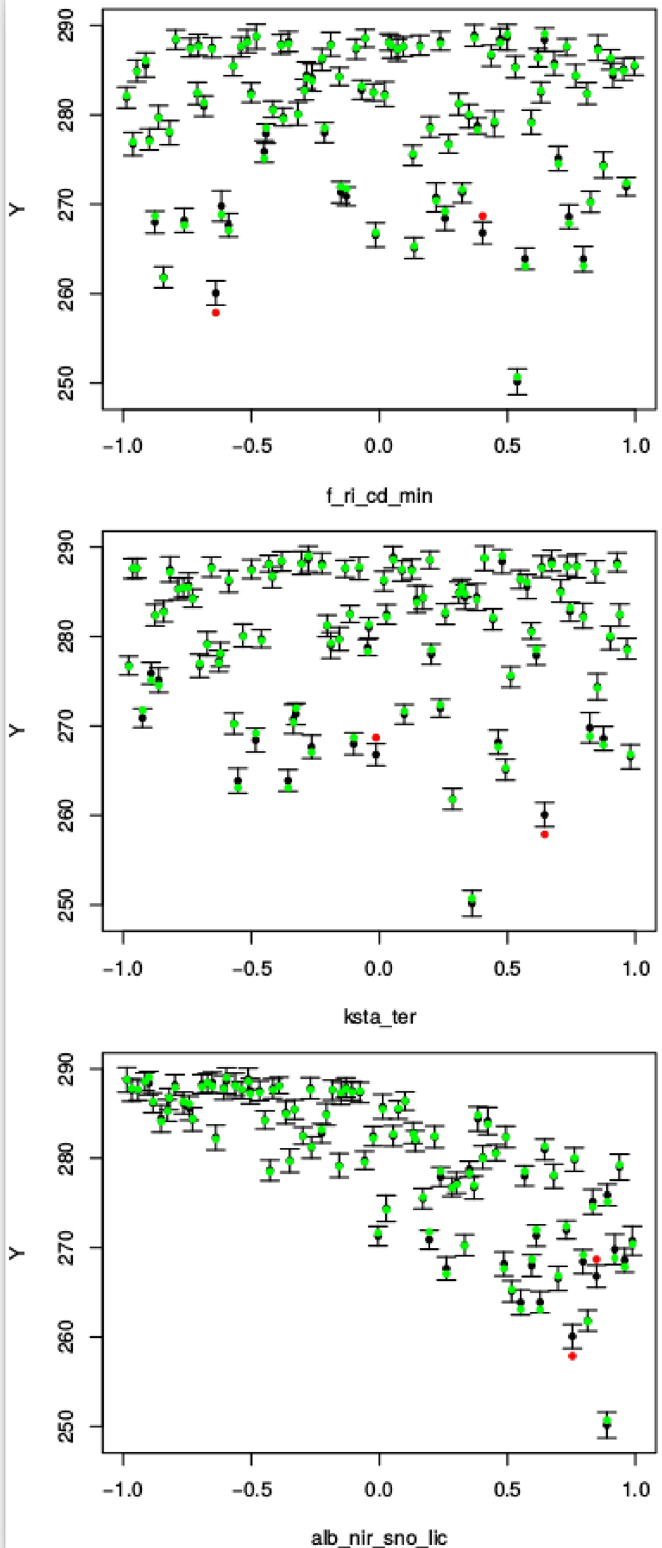
LMDz SCM + LES


f_ri_cd_min 0.01 0.4 0.1 linear
yamada4_ric 0.1 0.3 0.18 linear
lmixmin 0 10 1 linear
ksta_ter 1e-09 1e-05 1e-07 log
ksta 1e-12 1e-08 1e-10 log
alb_vis_sno_lic 0 1 0.96 linear
alb_nir_sno_lic 0 1 0.68 linear
zzz
0
100
200
300
400
500
600
260
265
270
275
280
285
290
var[, timeval]

Impact of the different parameters

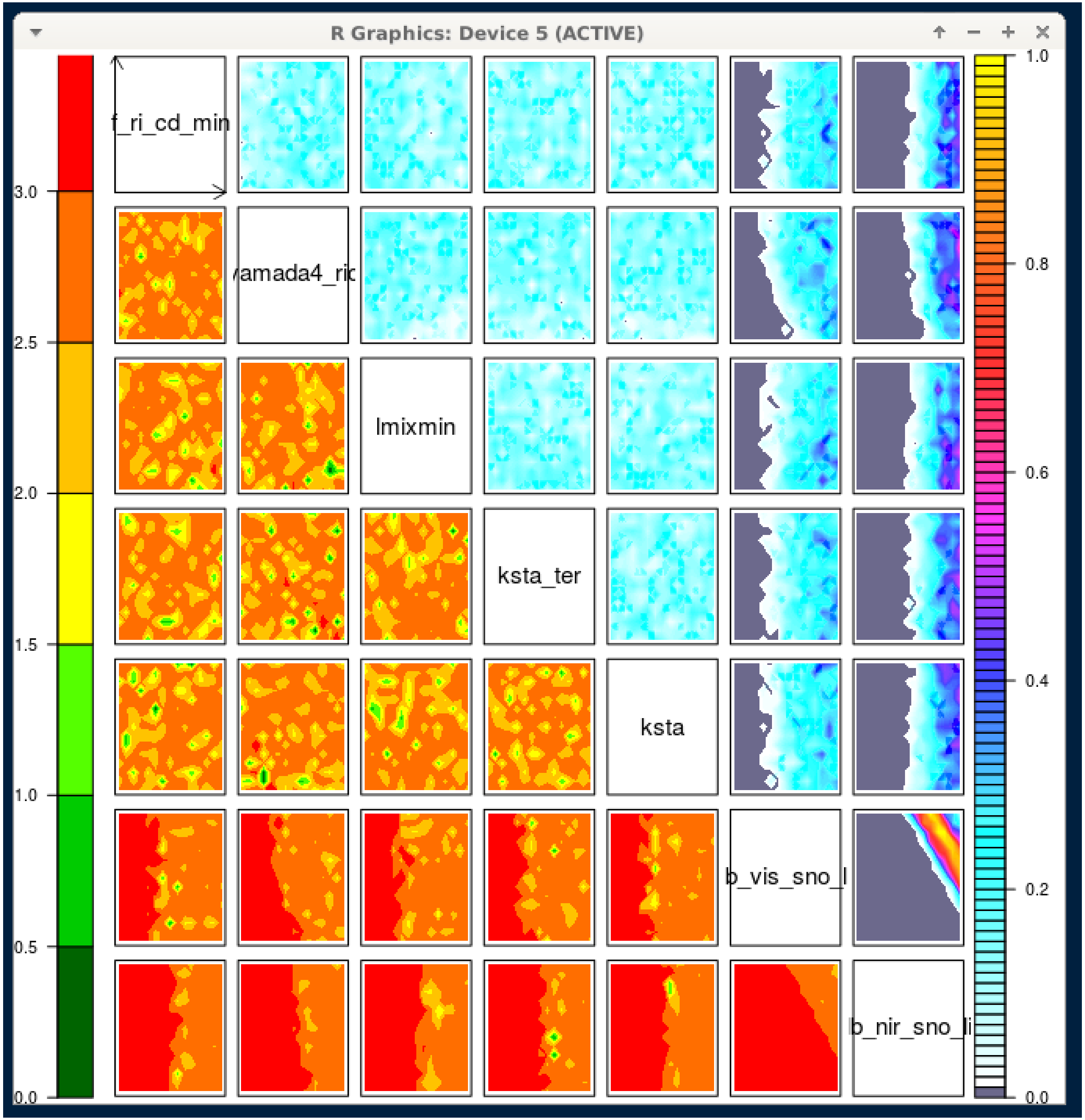






f_ri_cd_min
yamada4_ric
lmixmin
ksta_ter
ksta
alb_vis_sno_lic
alb_nir_sno_lic
Y

Emulator


R Graphics: Device 5 (ACTIVE)
f_ri_cd_min
yamada4_ric
lmixmin
ksta_ter
ksta
b_vis_sno_l
b_nir_sno_li
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.0
0.8
0.6
0.4
0.2
0.0