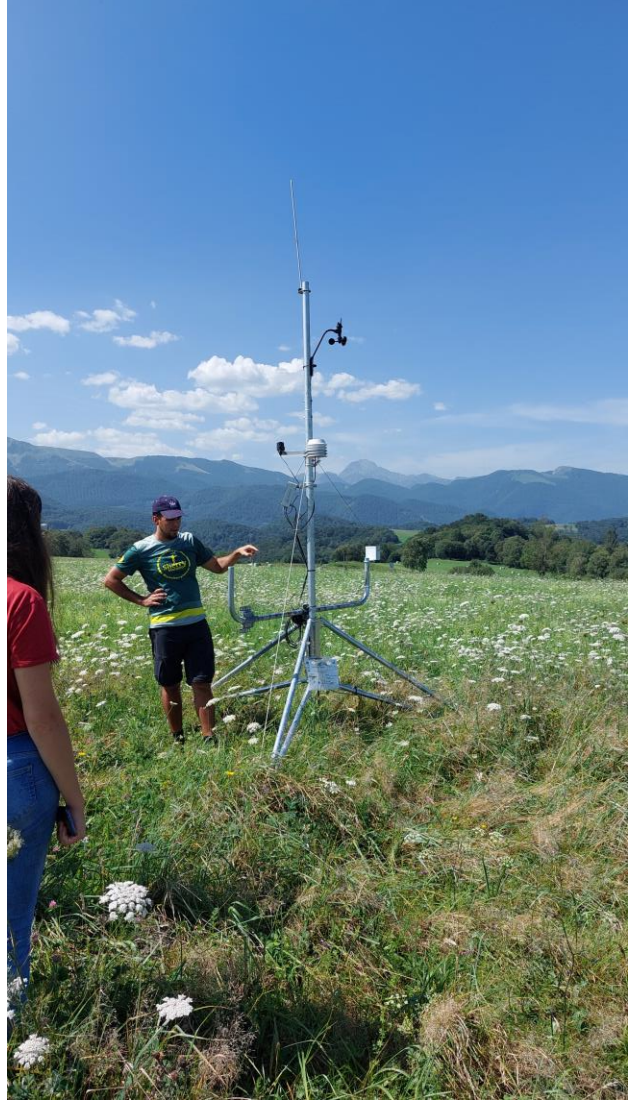


Analysis of the departure of constrained LMDZOR observations from the long-term observations of MOSAI sites

- Configurations du modèles
- Sites MOSAI et LMDZOR
- P2OA
- Meteopole



Site :

SIRTA

Model :

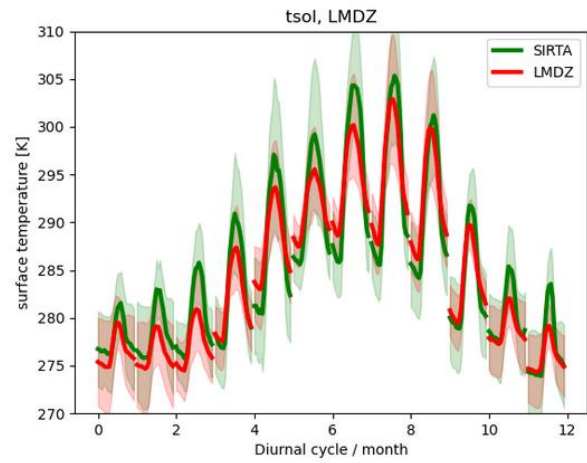
AROME LMDZ RegIPSL

Parameter :

flat precip q2m rh2m rld rlu rsd rsu sens t2m tsol u10m v10m

Navigation icons

2016-12-31



Site :

SIRTA

Model :

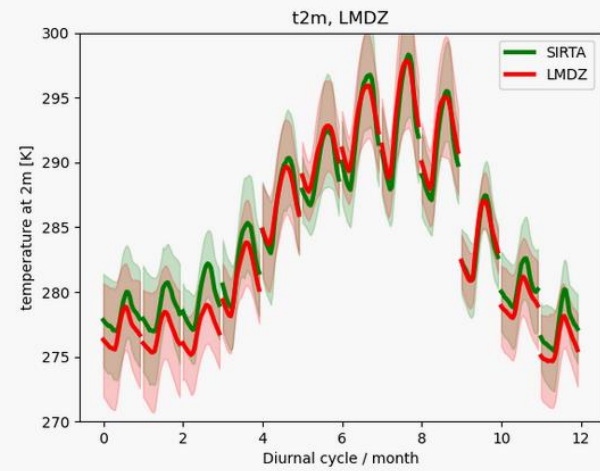
AROME LMDZ RegIPSL

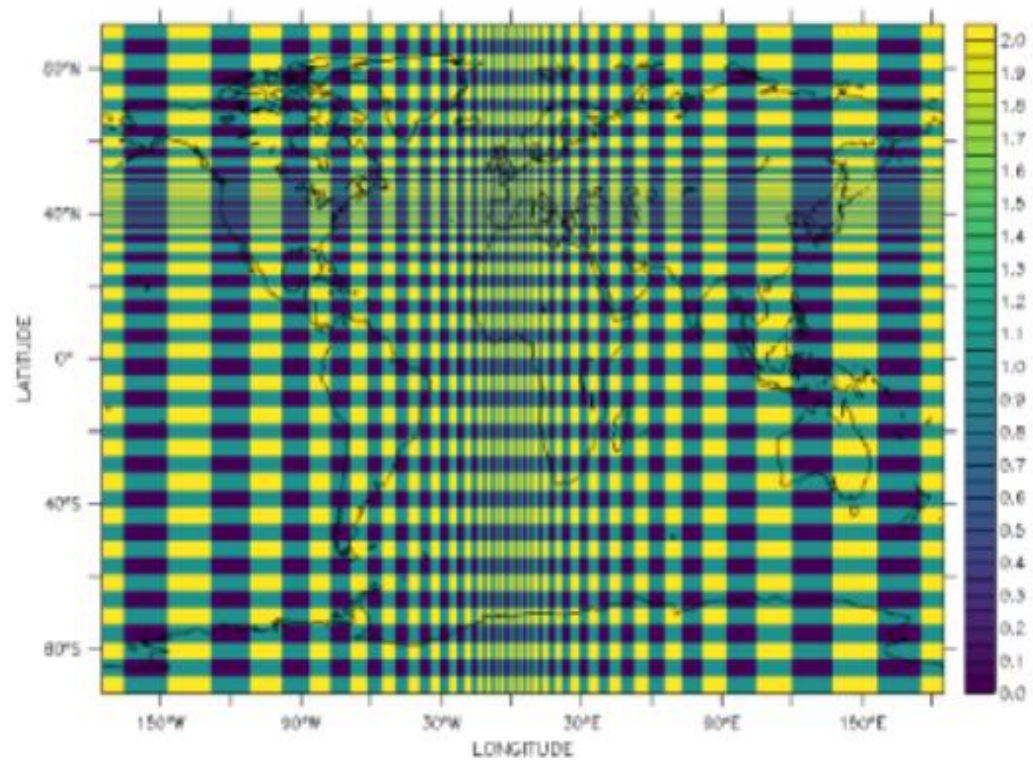
Parameter :

flat precip q2m rh2m rld rlu rsd rsu sens t2m tsol u10m v10m

Navigation icons

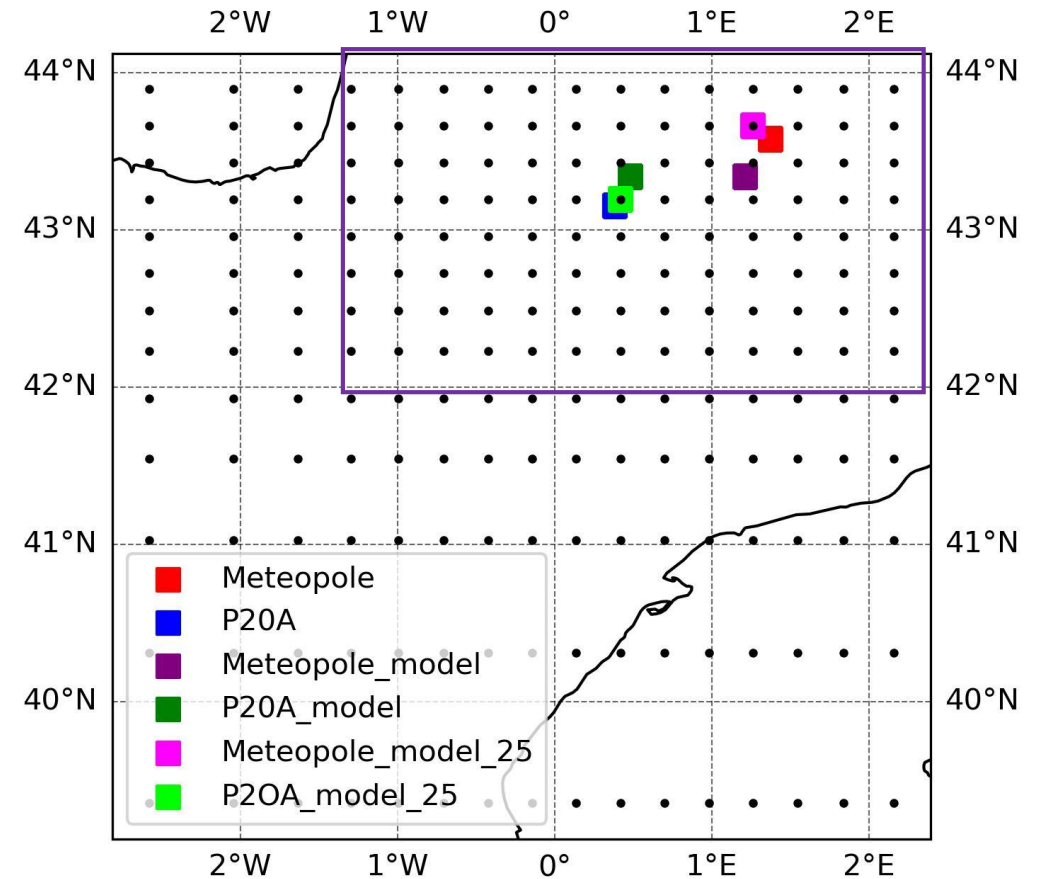
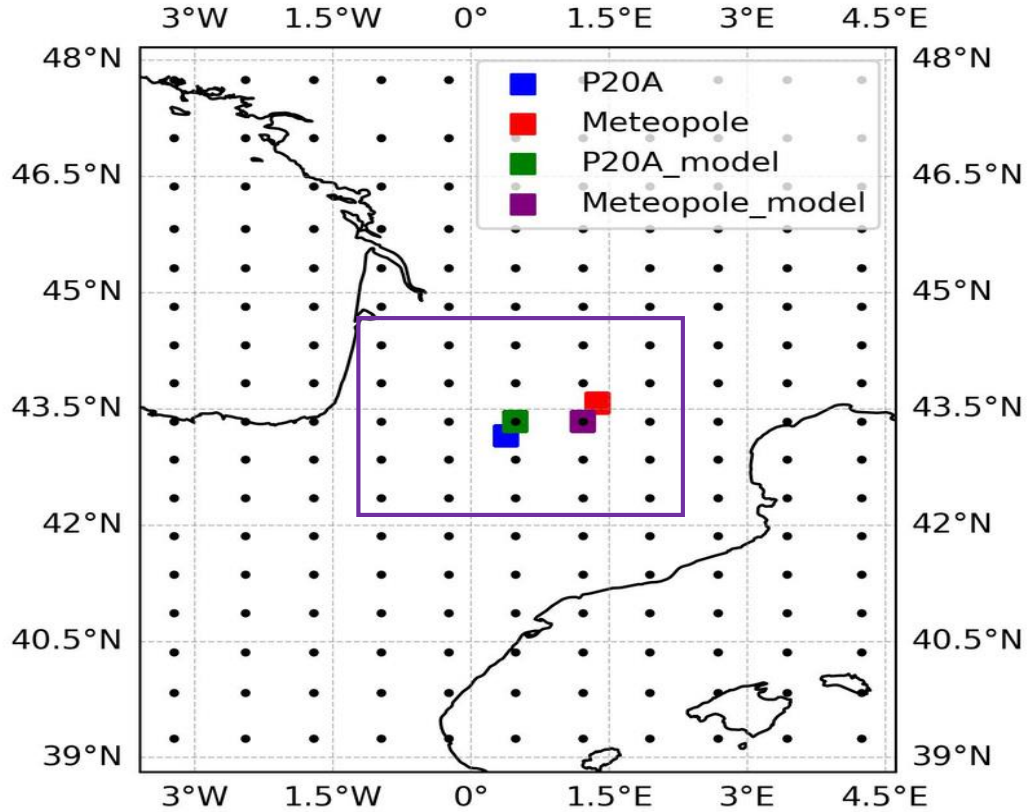
2016-12-31

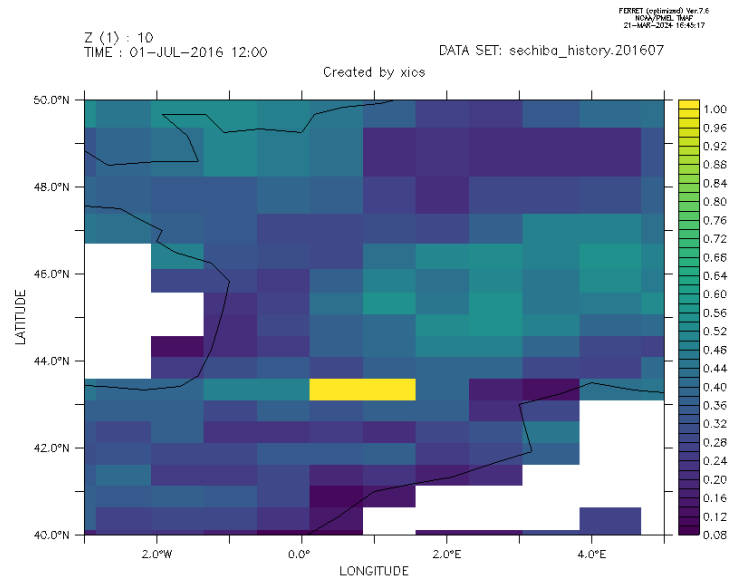




LMDZOR: zoomé et guidé en vent à l'extérieur du zoom (sauf dans la couche limite).

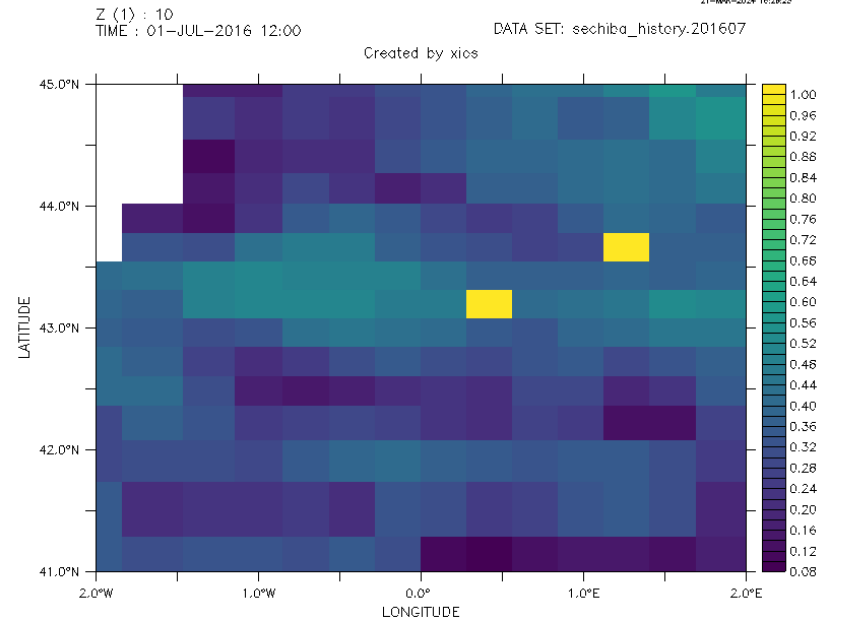
Grille :64x64x79 , 2 zoom $G_x=7.7$, $G_y=5.7$ sur ~ 0.04
 $G_x=20$, $G_y= 12$ sur ~ 0.02





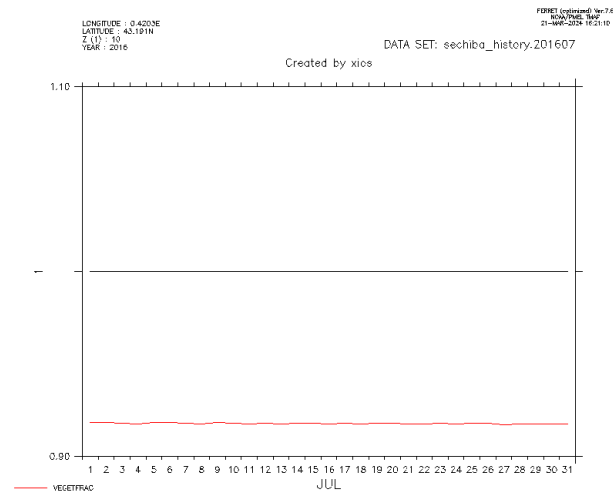
Maximum fraction of vegetation (1)

PFT10: grass



Maximum fraction of vegetation (1)

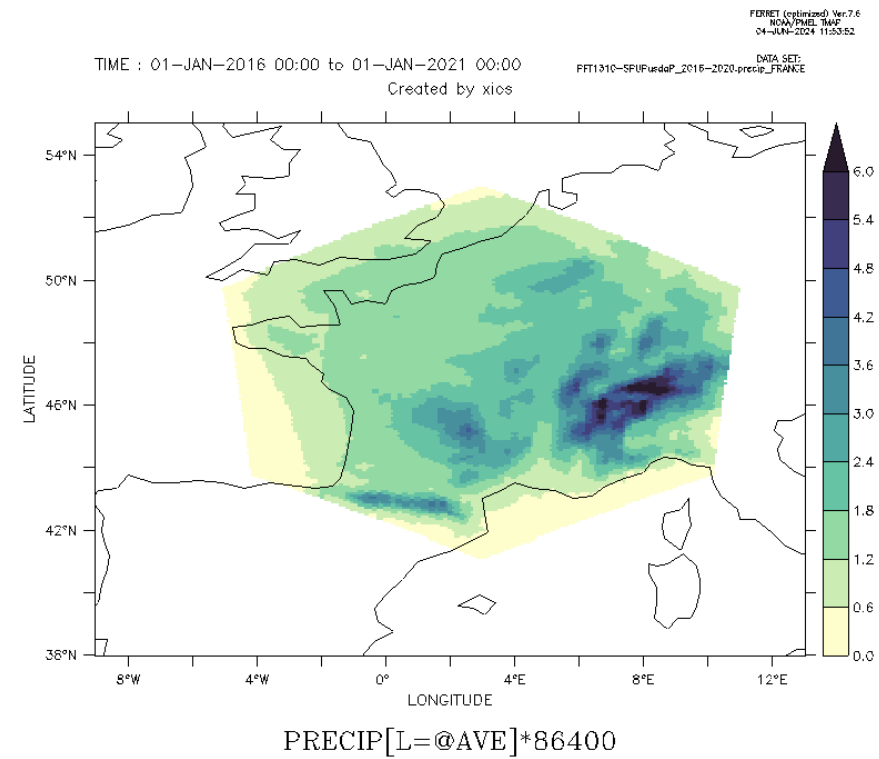
P20A: 320m
METEOPOLE:270m

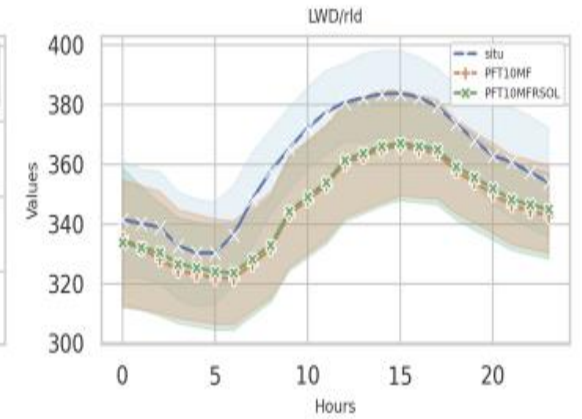
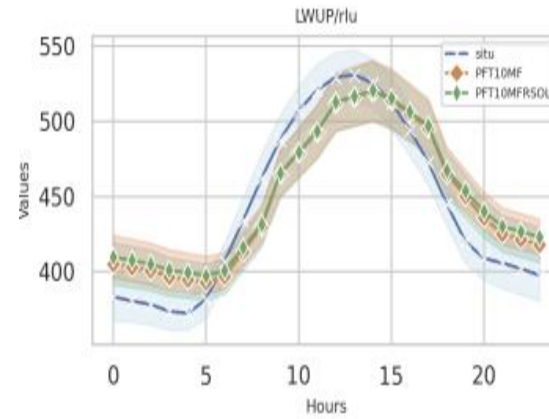
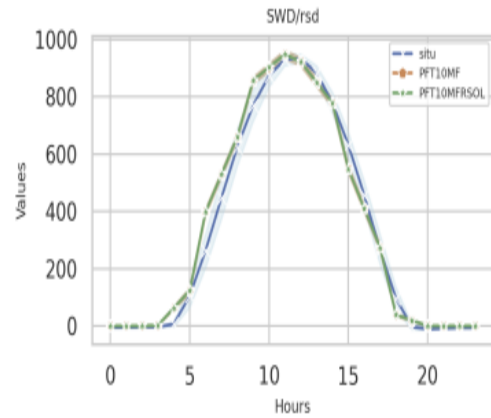
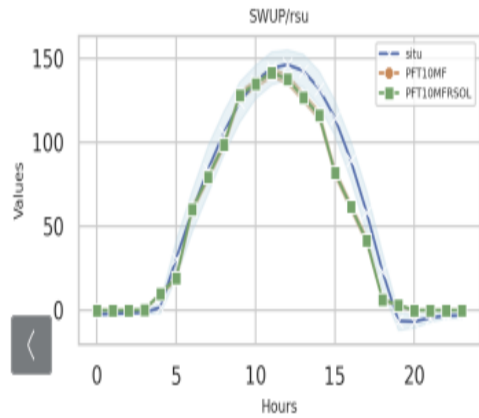


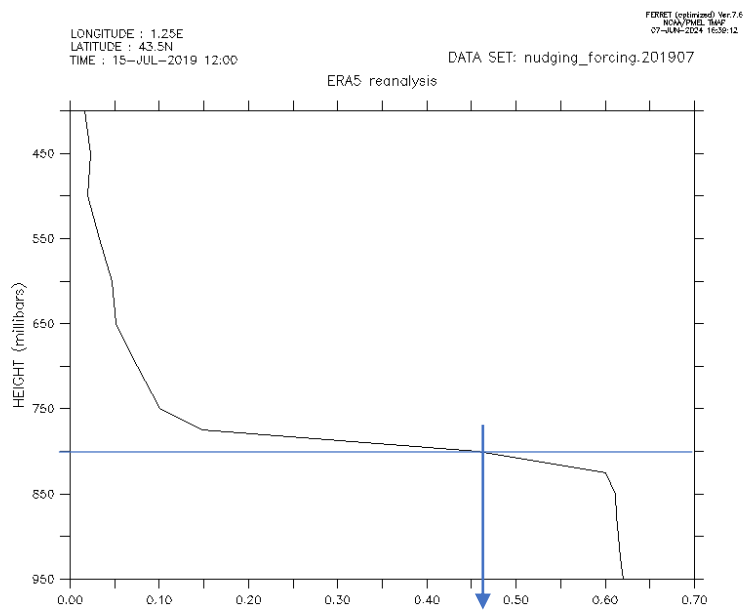
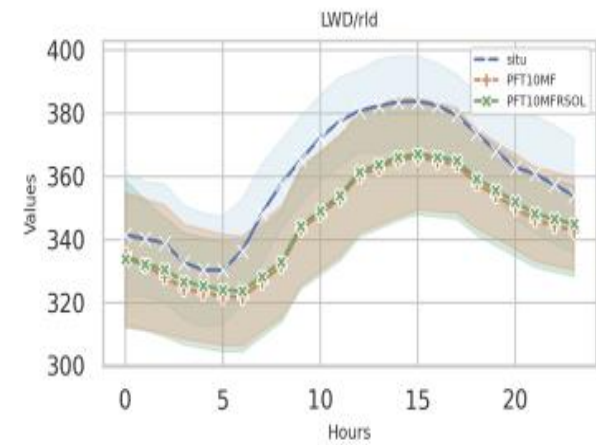
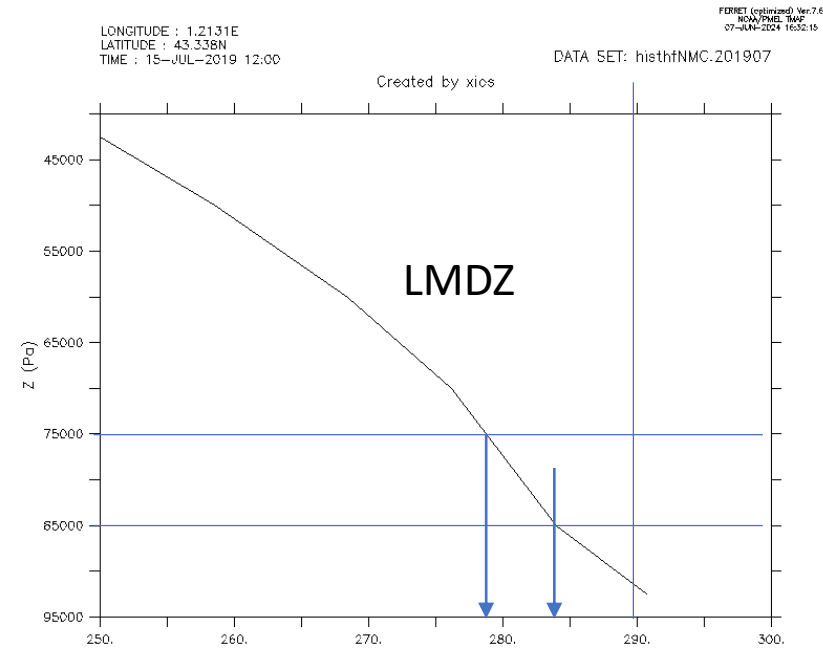
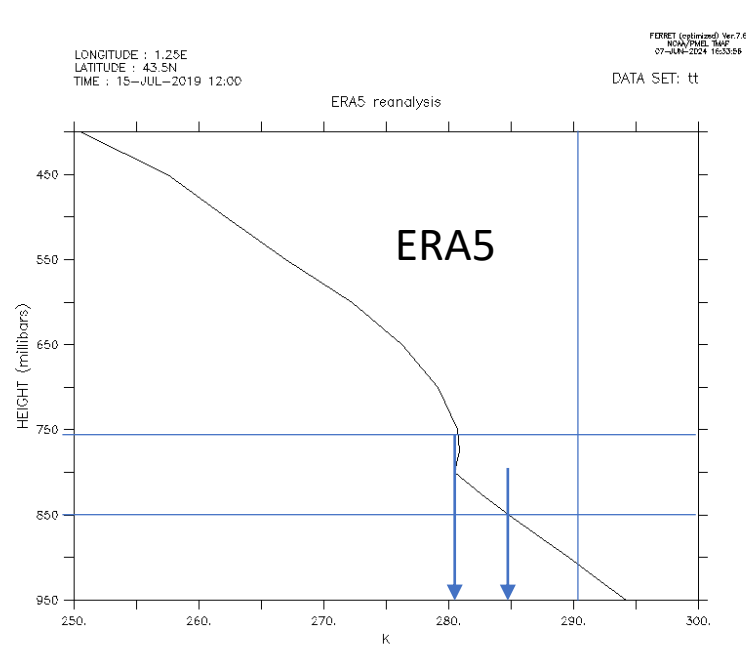
Maximum fraction of vegetation

P20A: 430m
METEOPOLE:190m

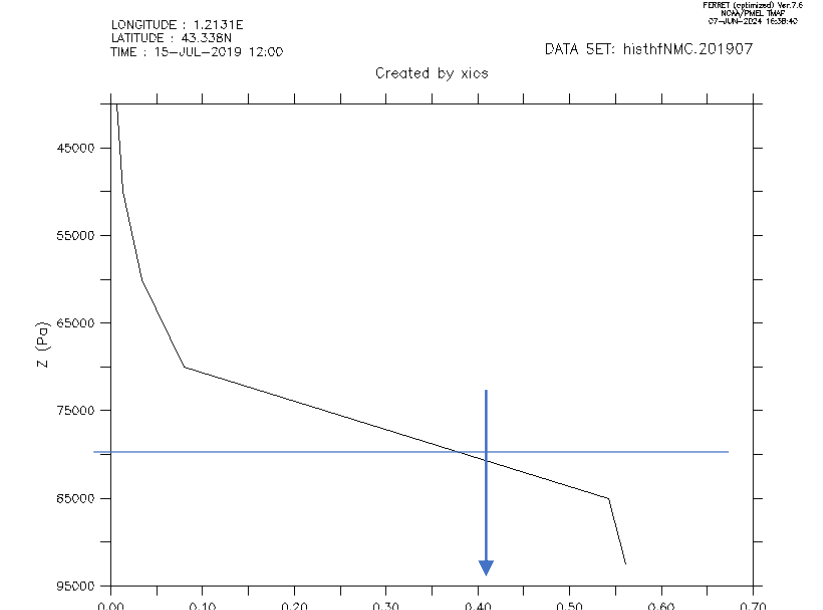
LAM forcé aux bornes par les analyses ERA5 et surface homogénéisée) (20km)





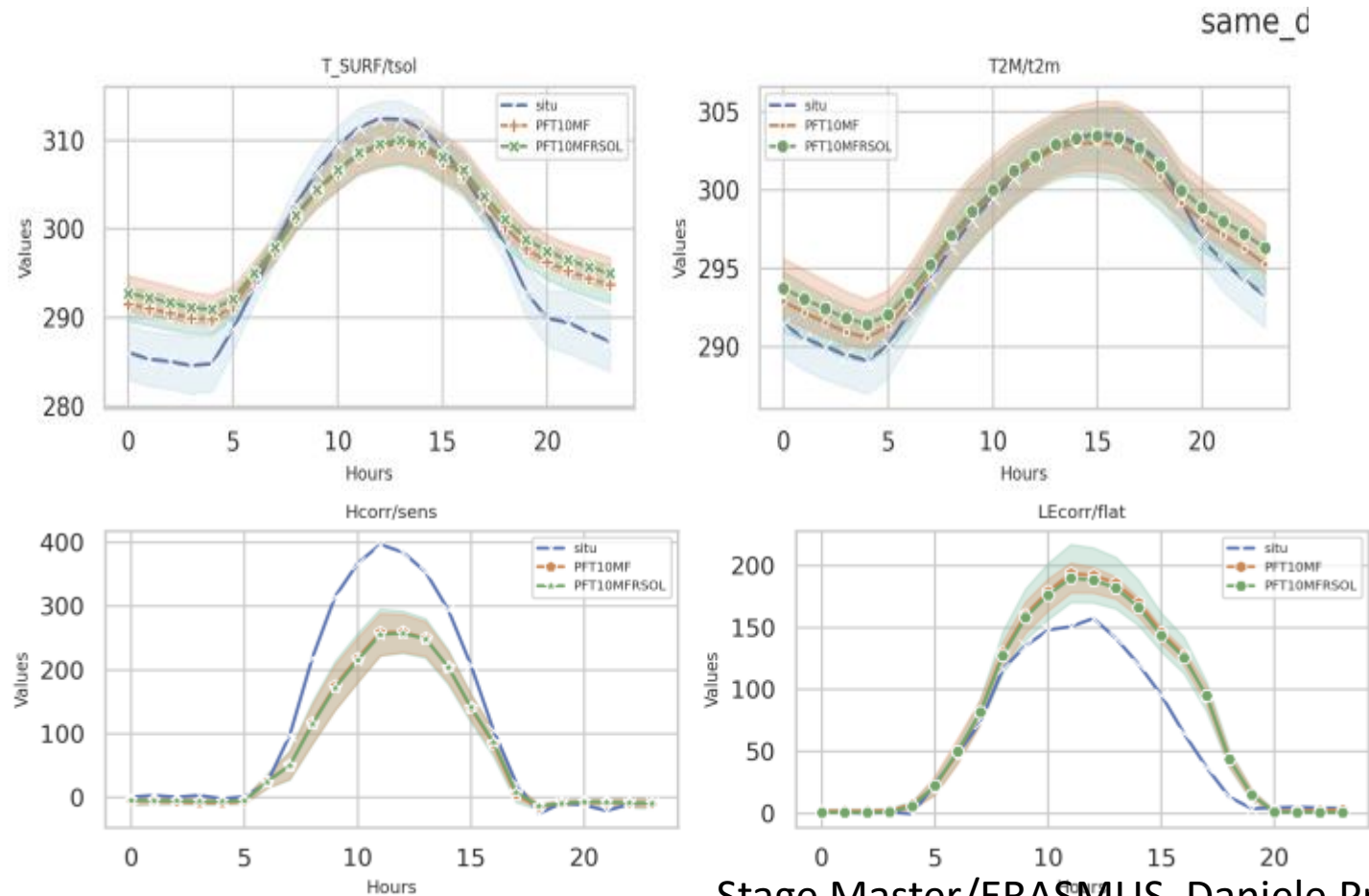


Q[X=1.37,Y=43.57,L=349]*100



HUS[X=1.3,Y=43.3,L=58]*100

Journées claires en été- Meteopole 4 ans- surface homogène- 100% herbe



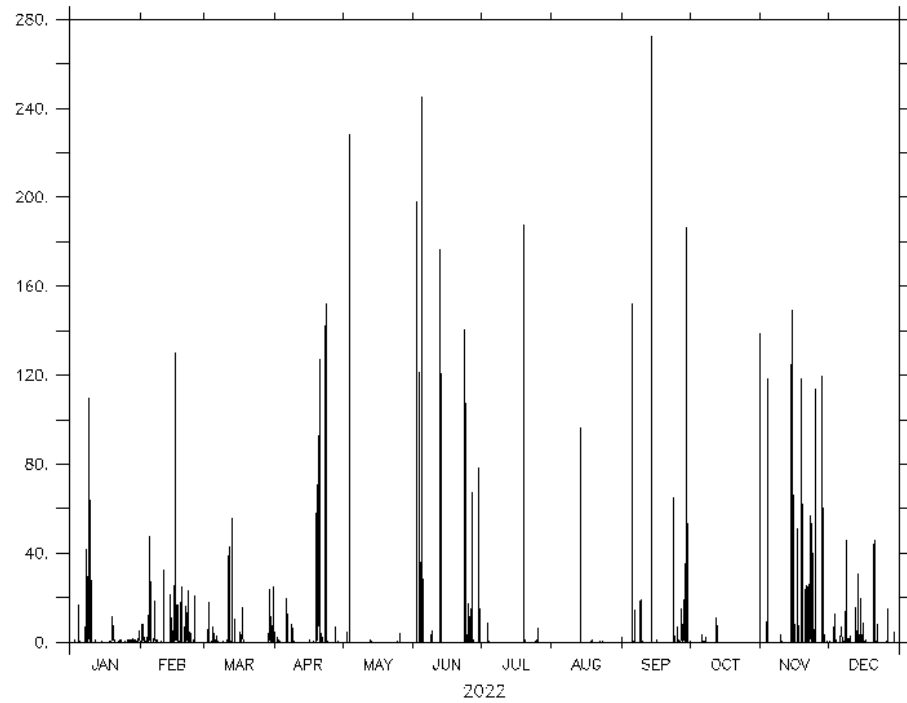
PRECIPITATION MTP

LONGITUDE : 1.2642E
LATITUDE : 43.66N

FERRET (optimized) Ver.7.6
NOAA/PMEL TMAP
11-JUN-2024 12:17:12

DATA SET: rain.P20A25.2022

Created by xios



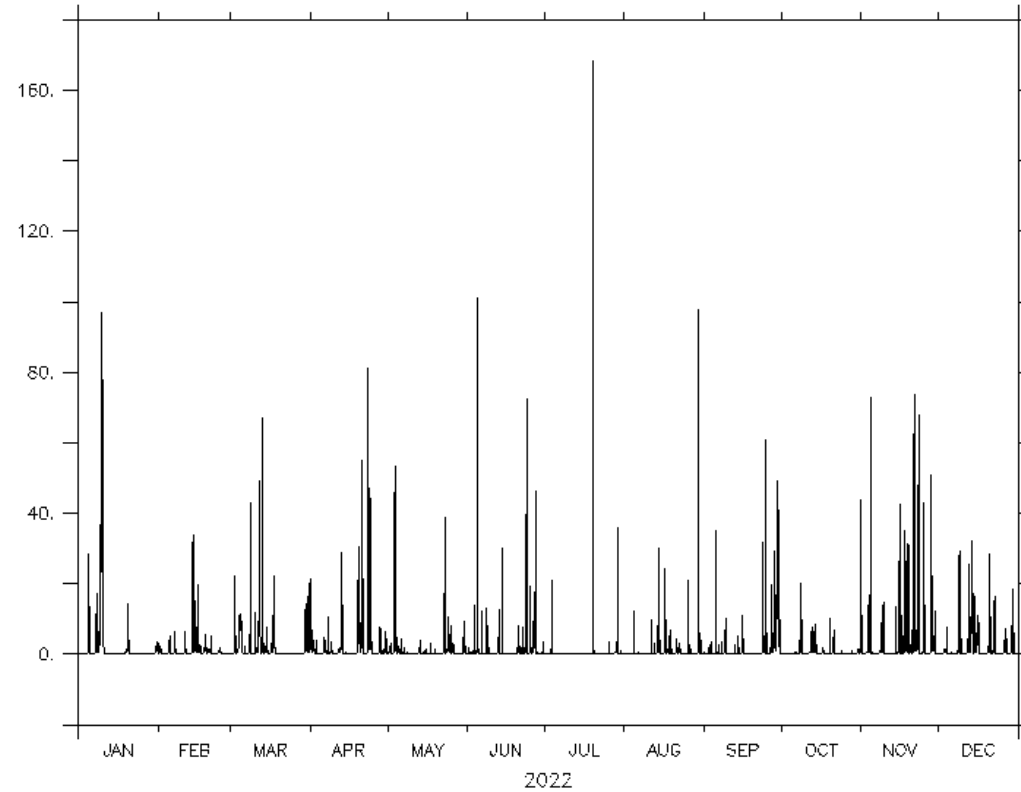
PRECIP[Y=43.57,X=1.37]*86400

LMDZOR

LONGITUDE : 1.4064E
LATITUDE : 43.594N

FERRET (optimized) Ver.7.6
NOAA/PMEL TMAP
11-JUN-2024 12:26:17

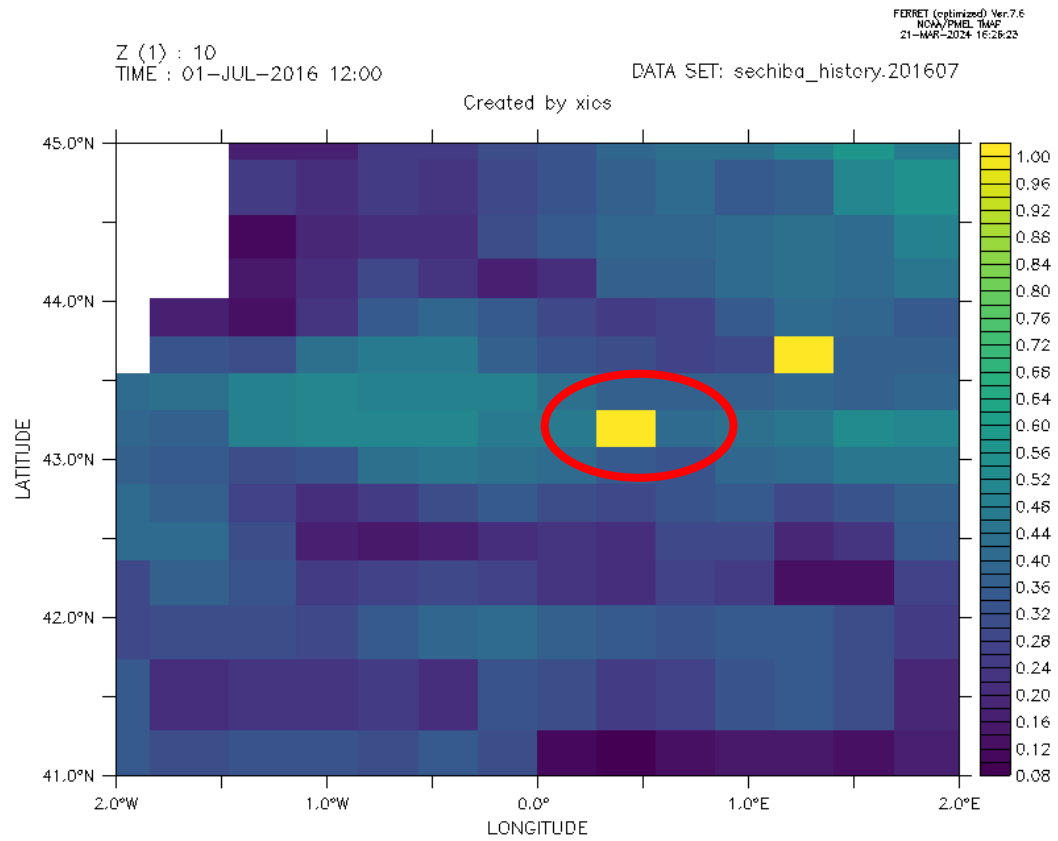
DATA SET: ERA5_1h_2022.small



RAINF[Y=43.57,X=1.37]*86400

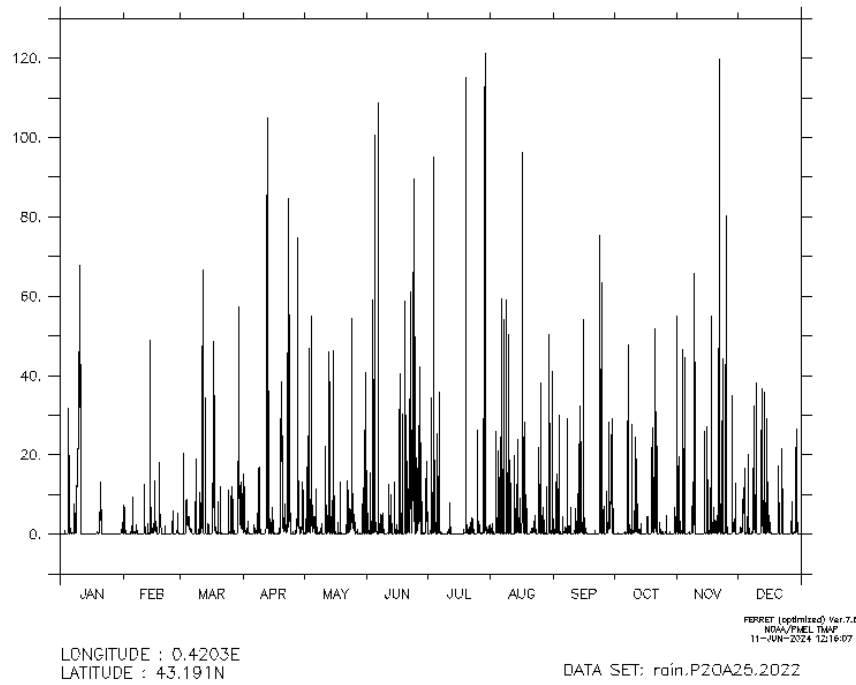
ERA5

P20A



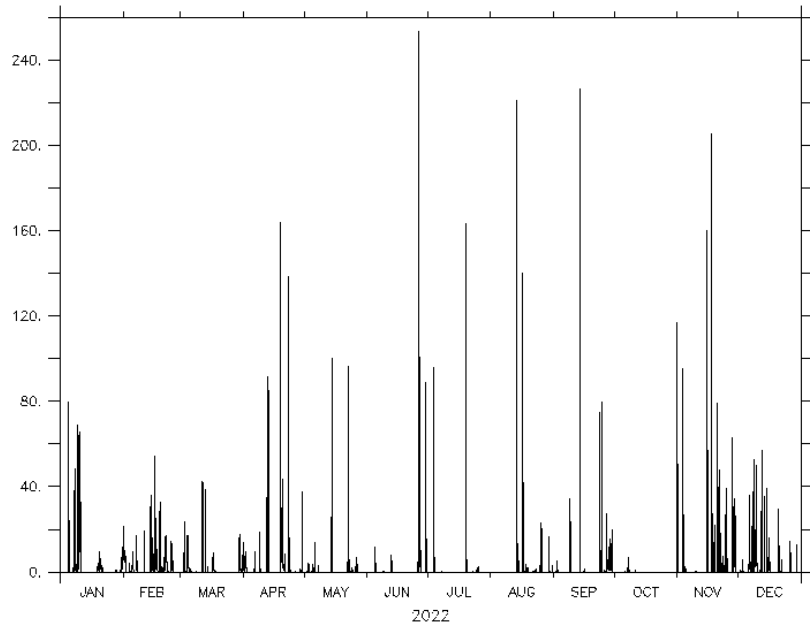
Maximum fraction of vegetation (1)

ERA5



Created by xios

LMZOR



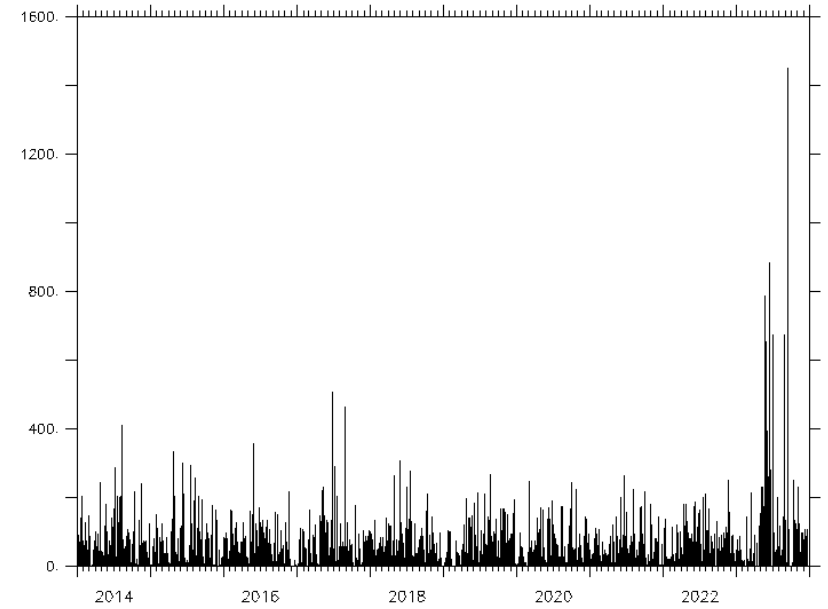
PRECIP[X=0.38333,Y=43.15]*86400

P20A ERA5 + OBS Campagne

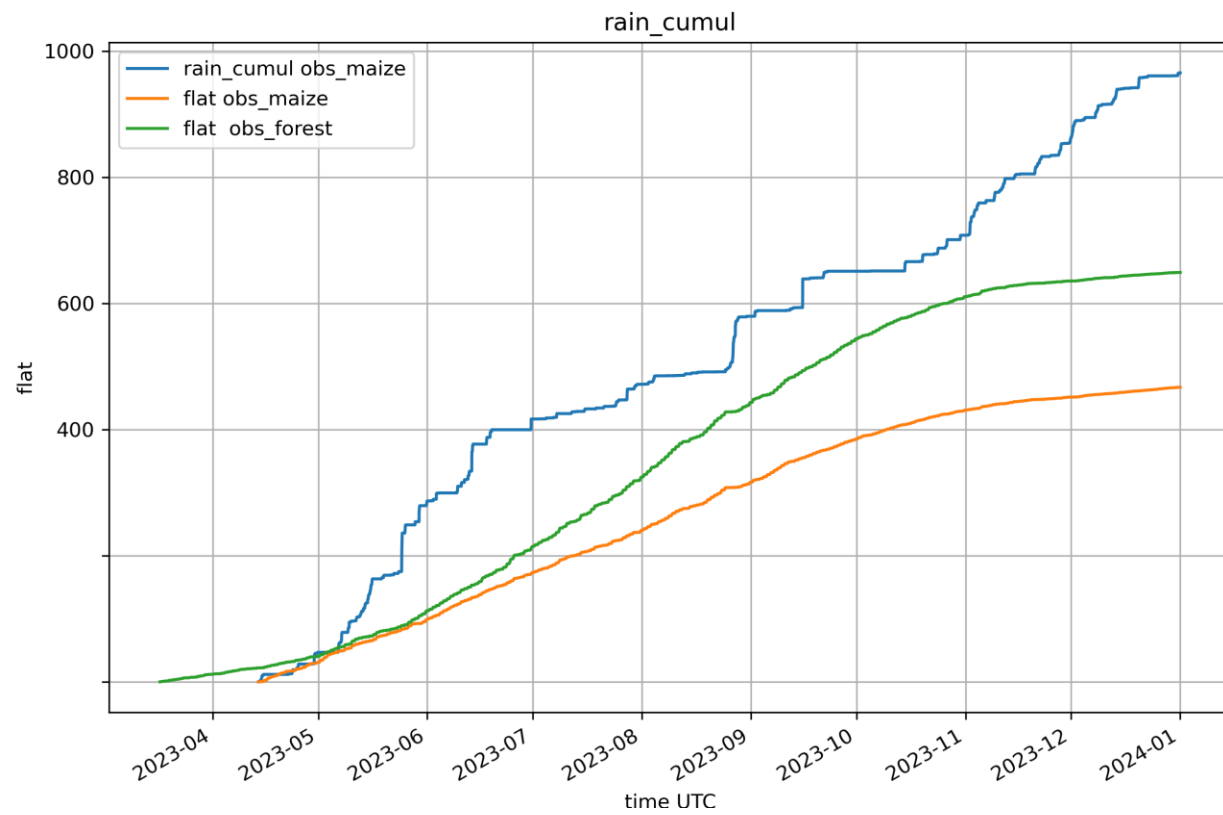
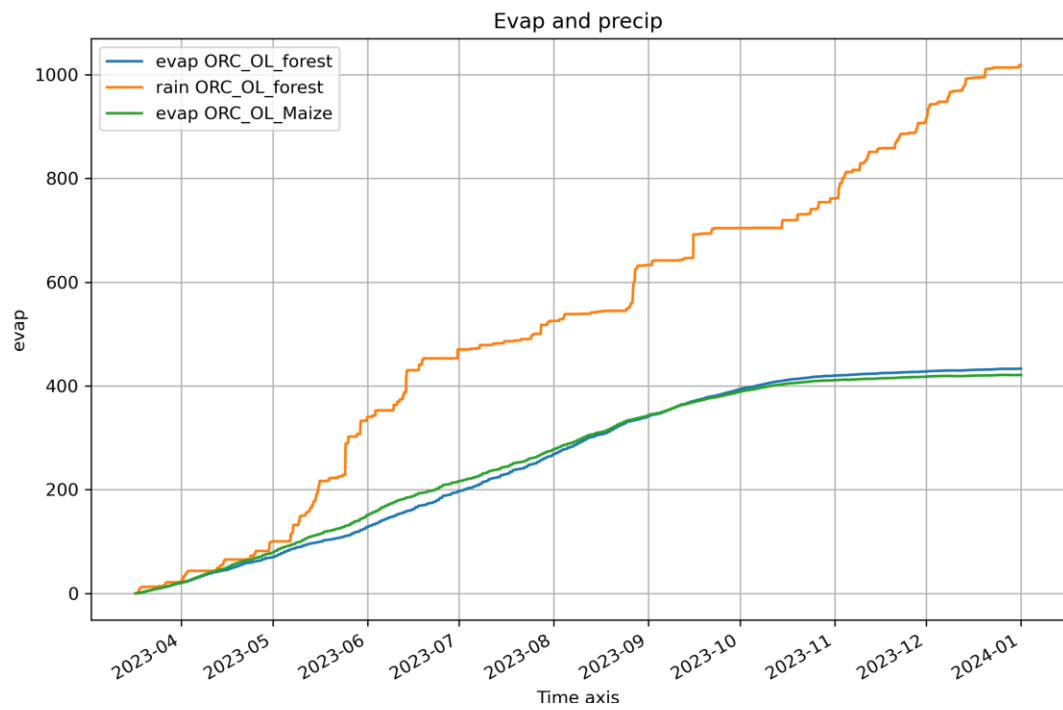
LONGITUDE : 0.347E
LATITUDE : 43.119N

DATA SET: FR-Cher_2014-2023

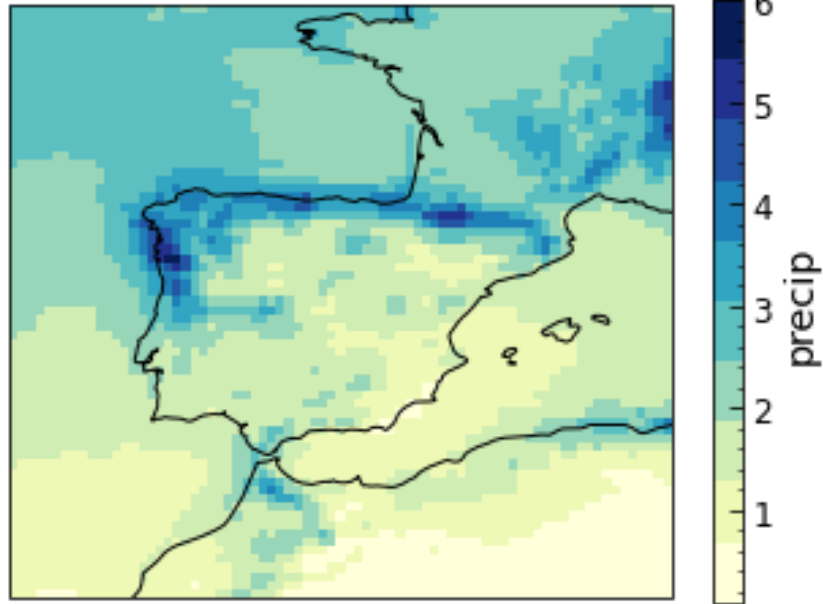
FERRET (optimized) Ver.7.6
NOAA/CIRES, 04-JUN-2024 17:40:01



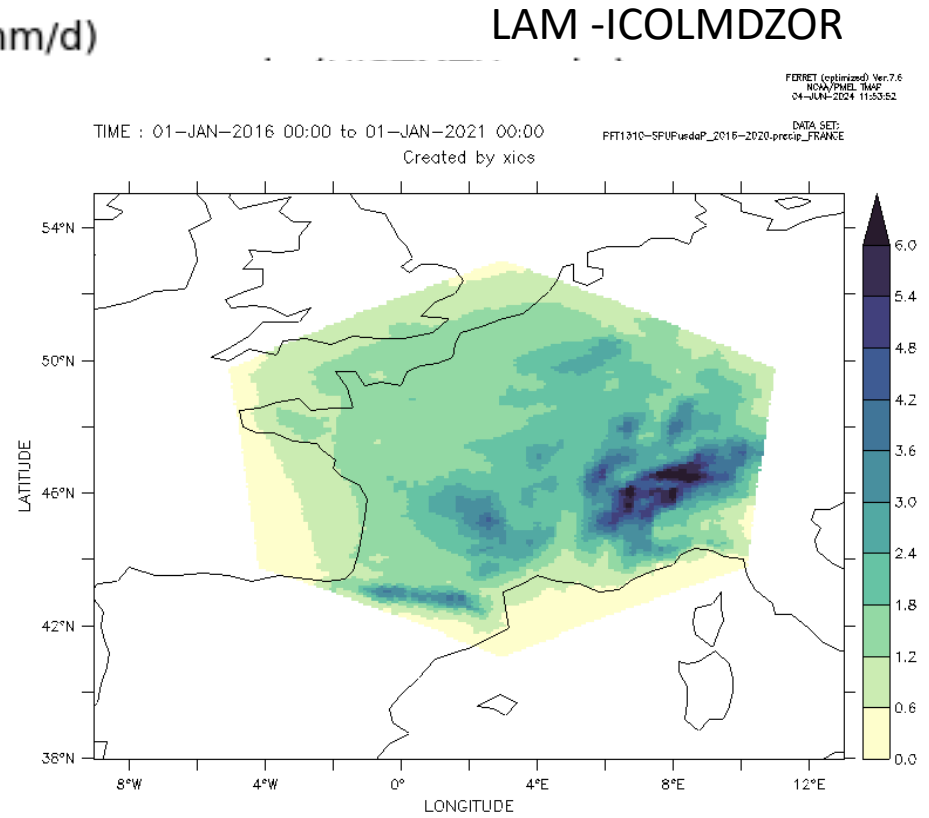
RAIN*86400



precip (ERA5)



precip (mm/d)

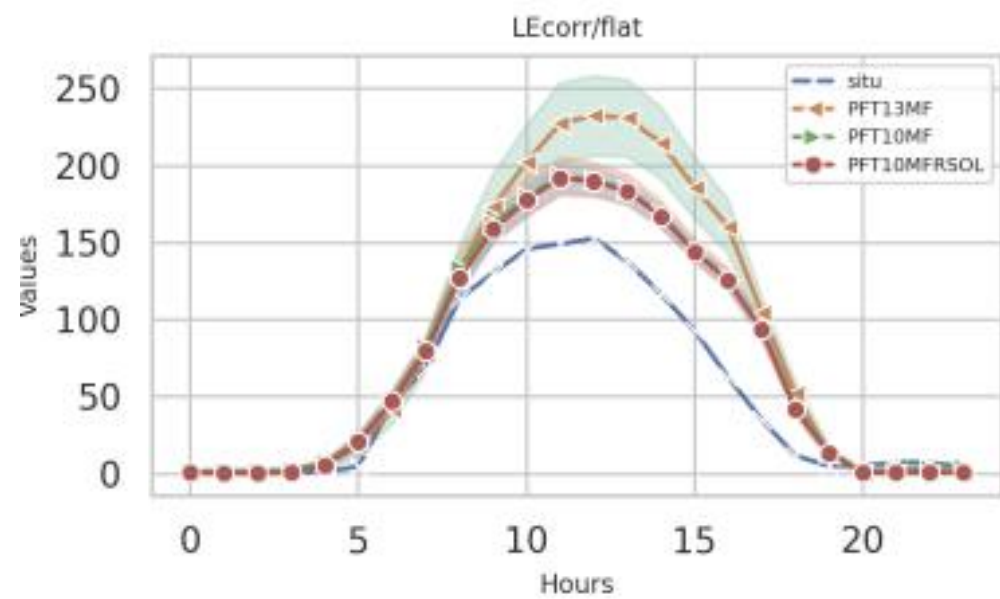


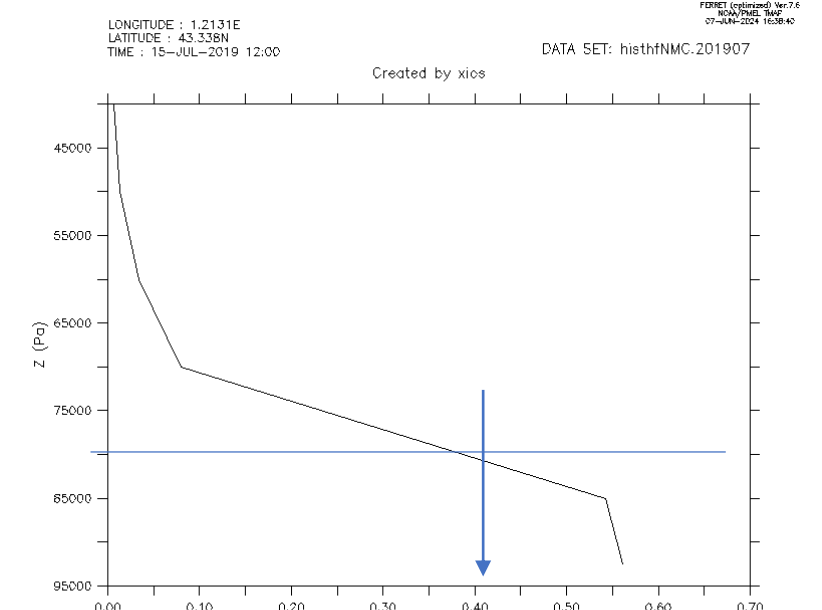
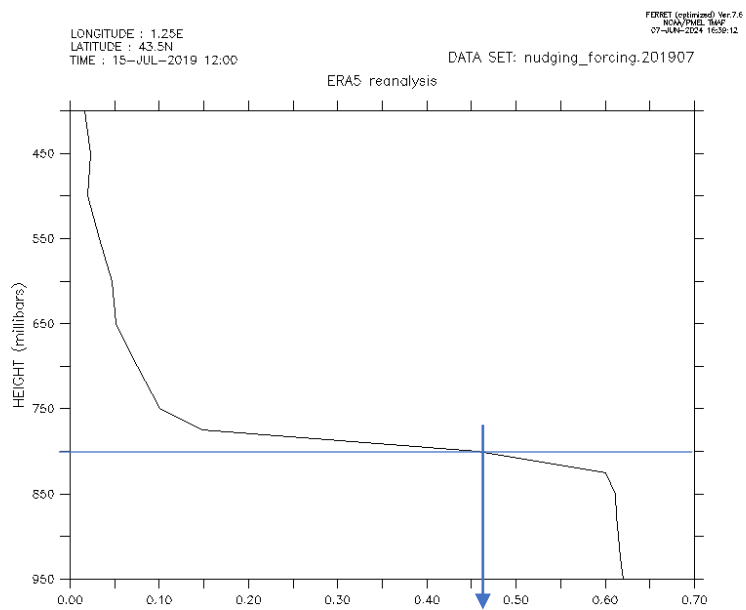
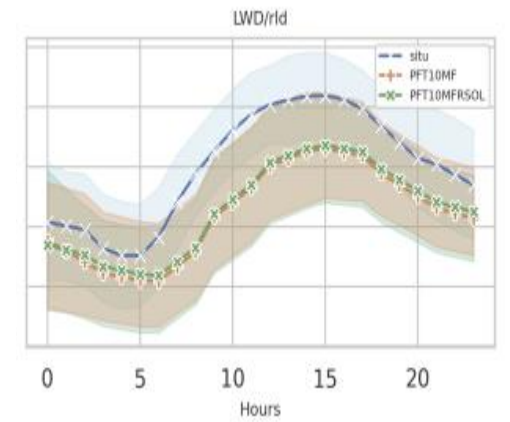
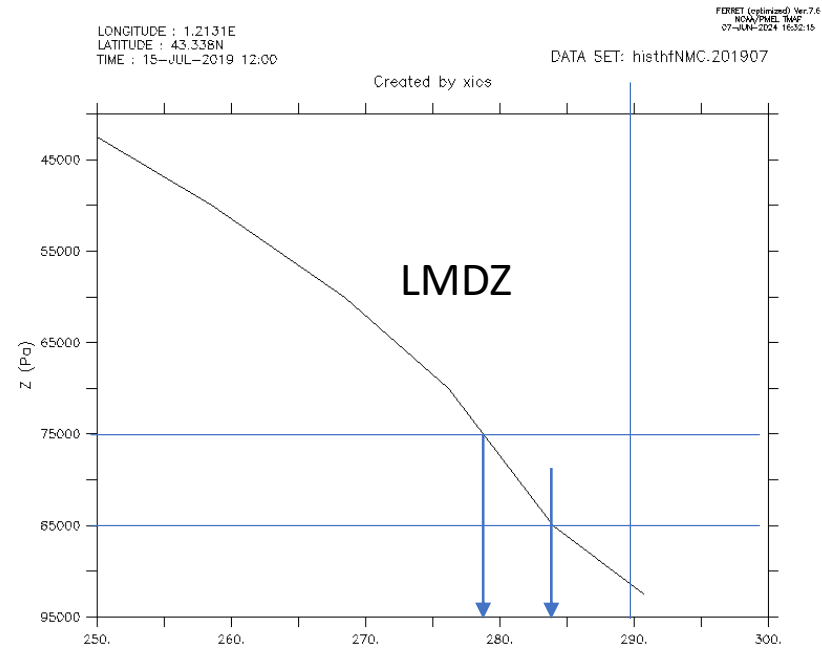
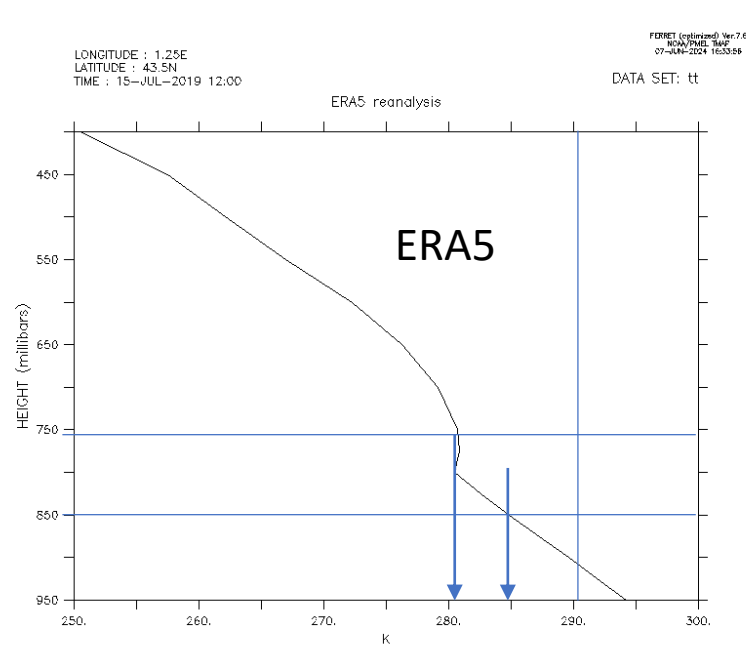
PRECIP[L=@AVE]*86400

METEOPOLE : Des biais en température potentiellement liés à la couche limite

P20A: Micro-climat difficilement capturé par le modèle?

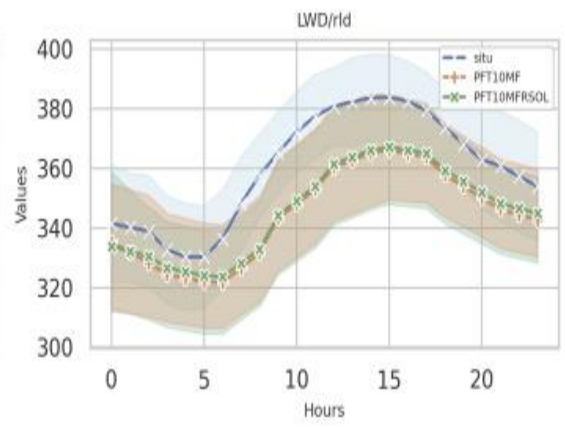
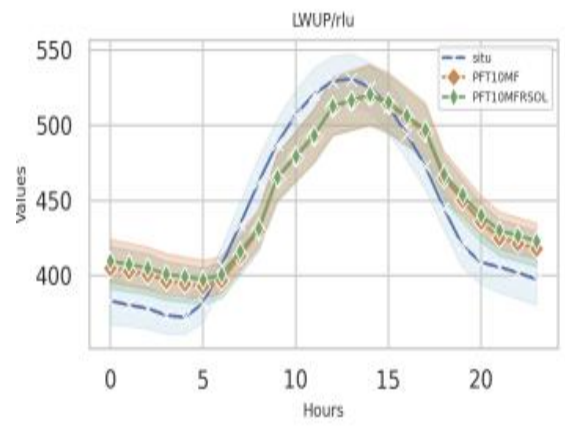
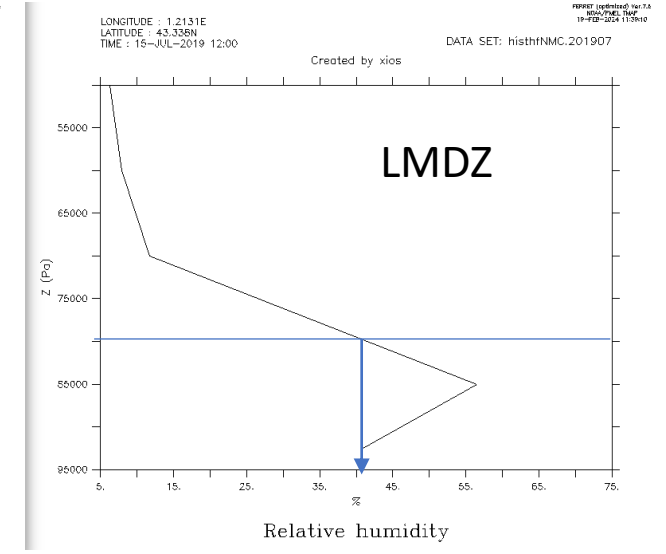
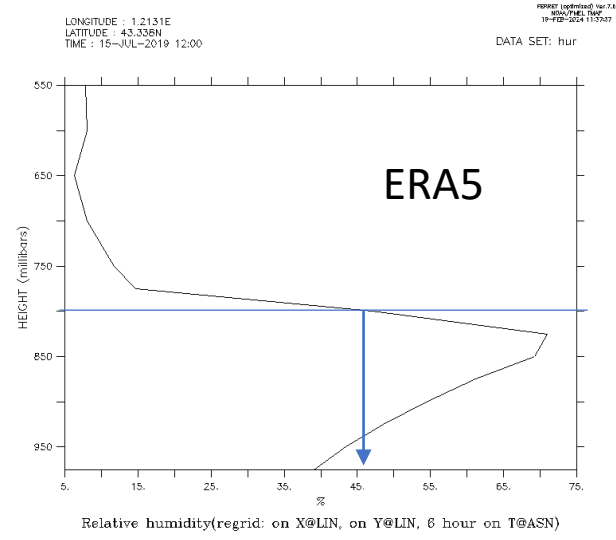
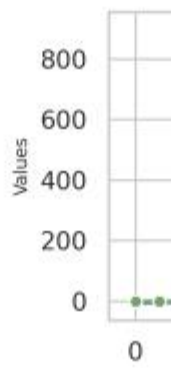
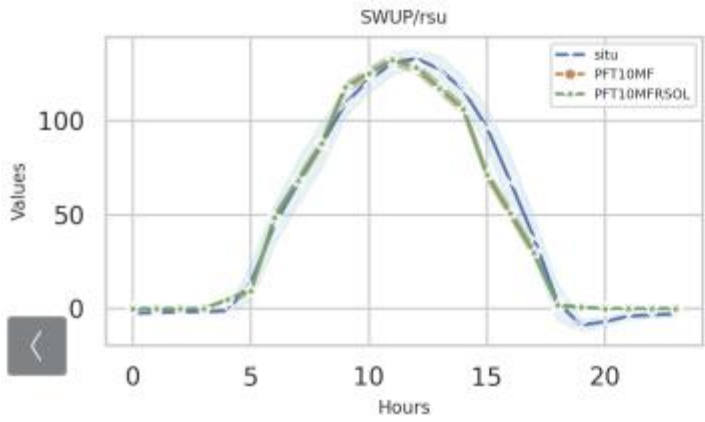
Le LAM : deficit de precipitation à comprendre.

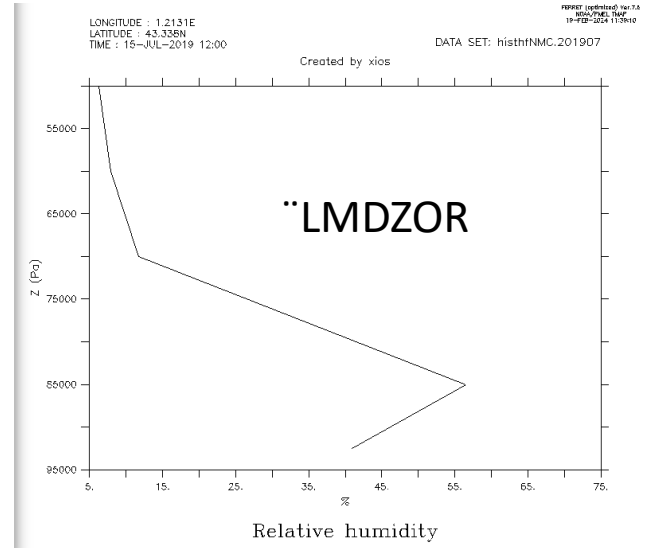
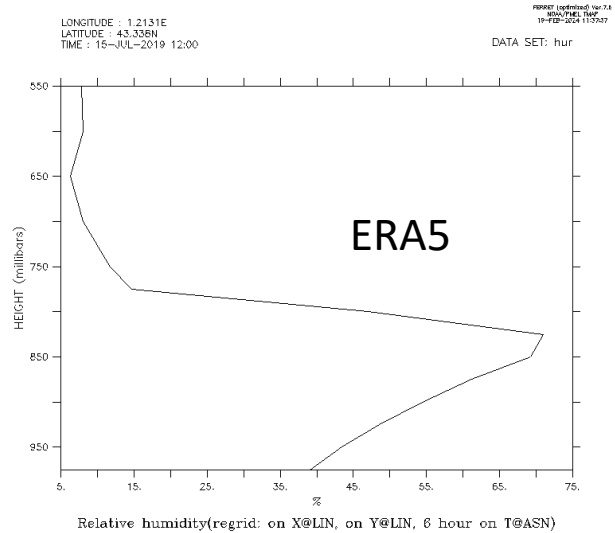
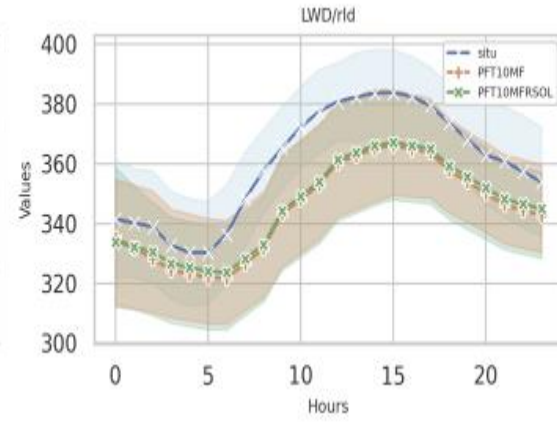
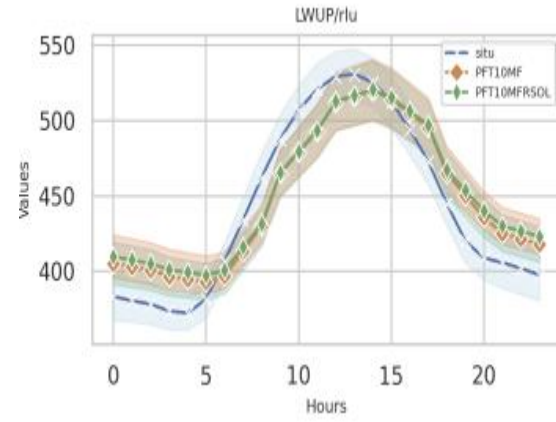
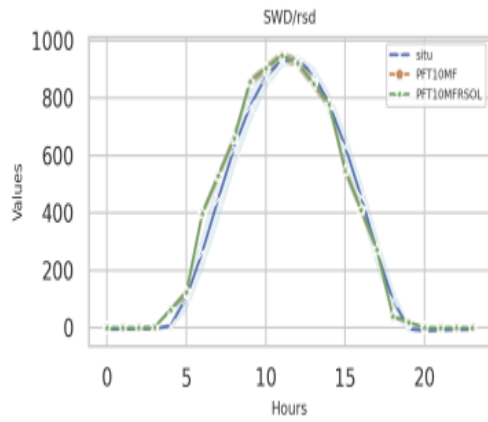
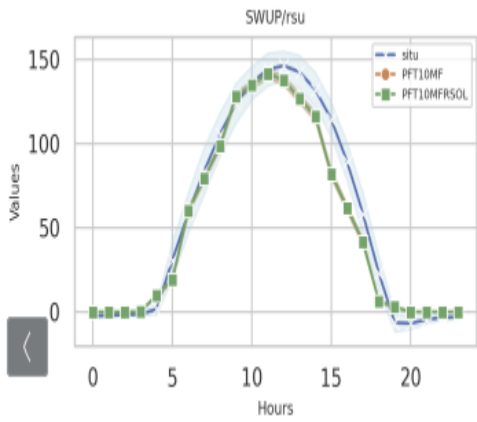




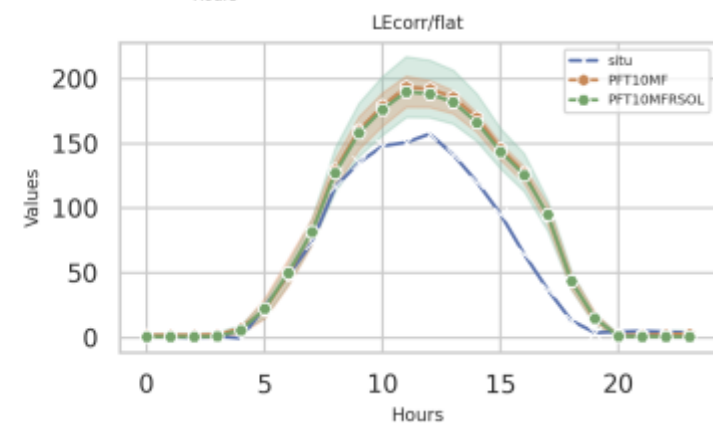
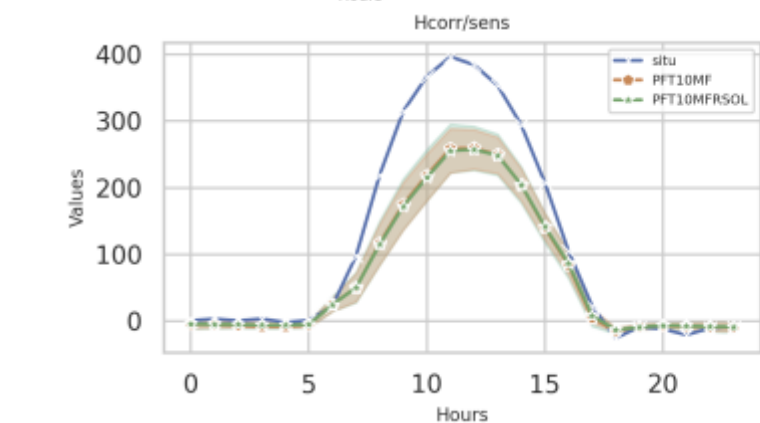
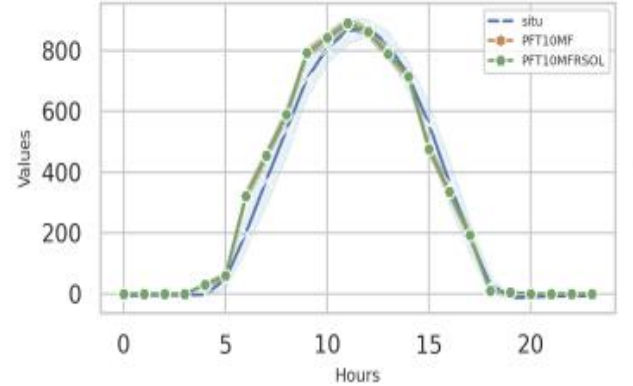
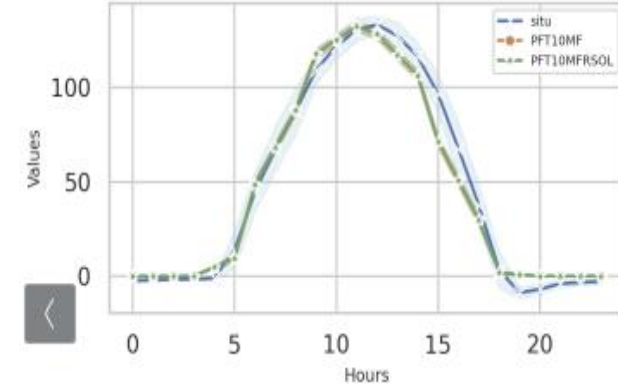
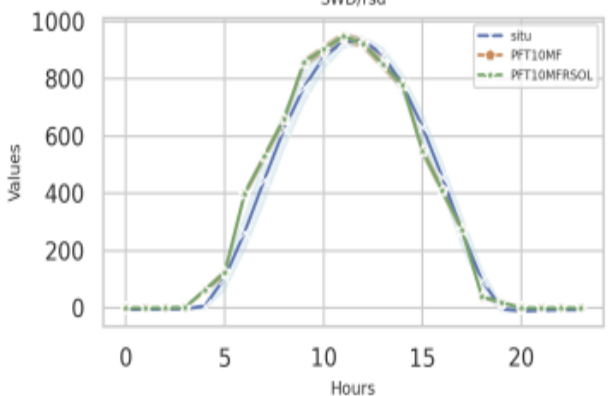
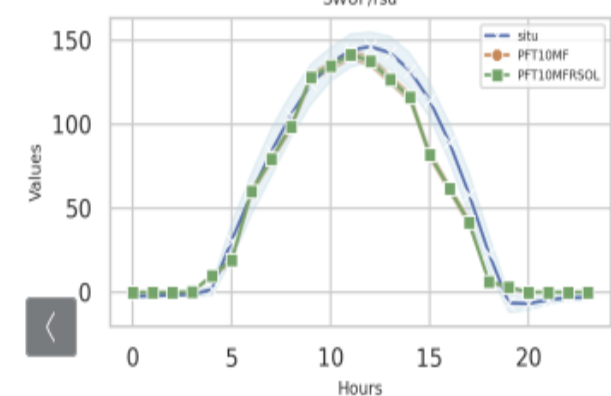
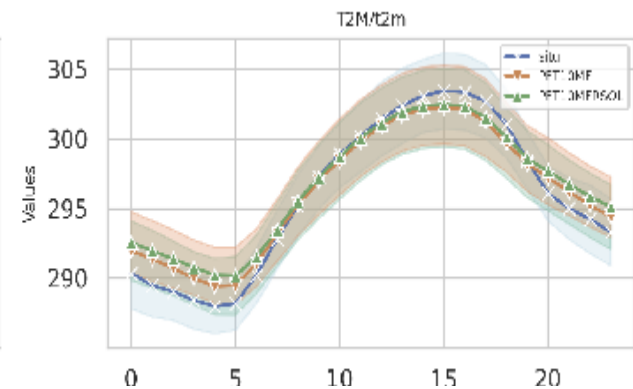
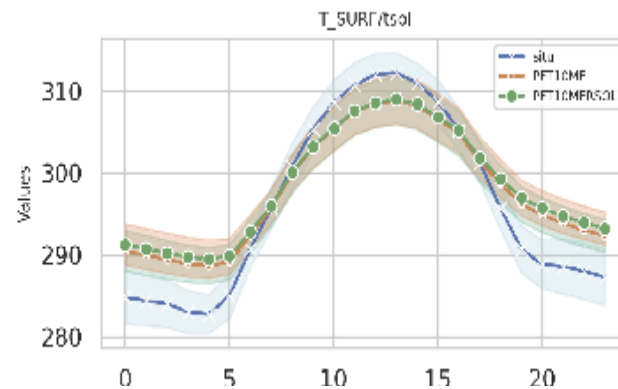
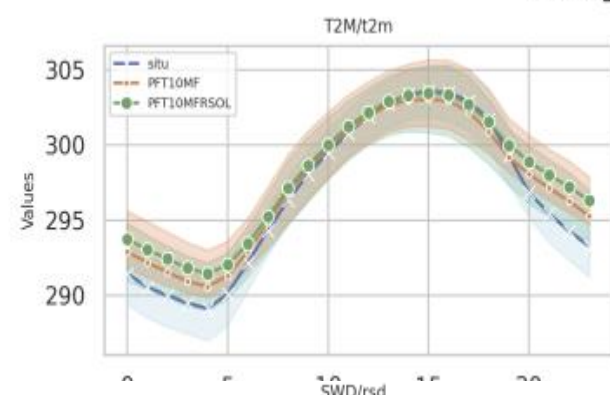
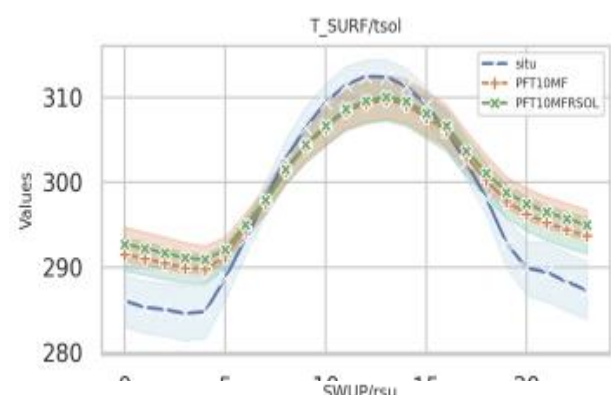
Q[X=1.37,Y=43.57,L=349]*100

HUS[X=1.3,Y=43.3,L=58]*100





same_d



Ciel Clair, 4 ans, METEOPOLE

same_d

