

Conversion RGB en Couleur

Validation



Validation 1

Relevé topographique pour un cylindre

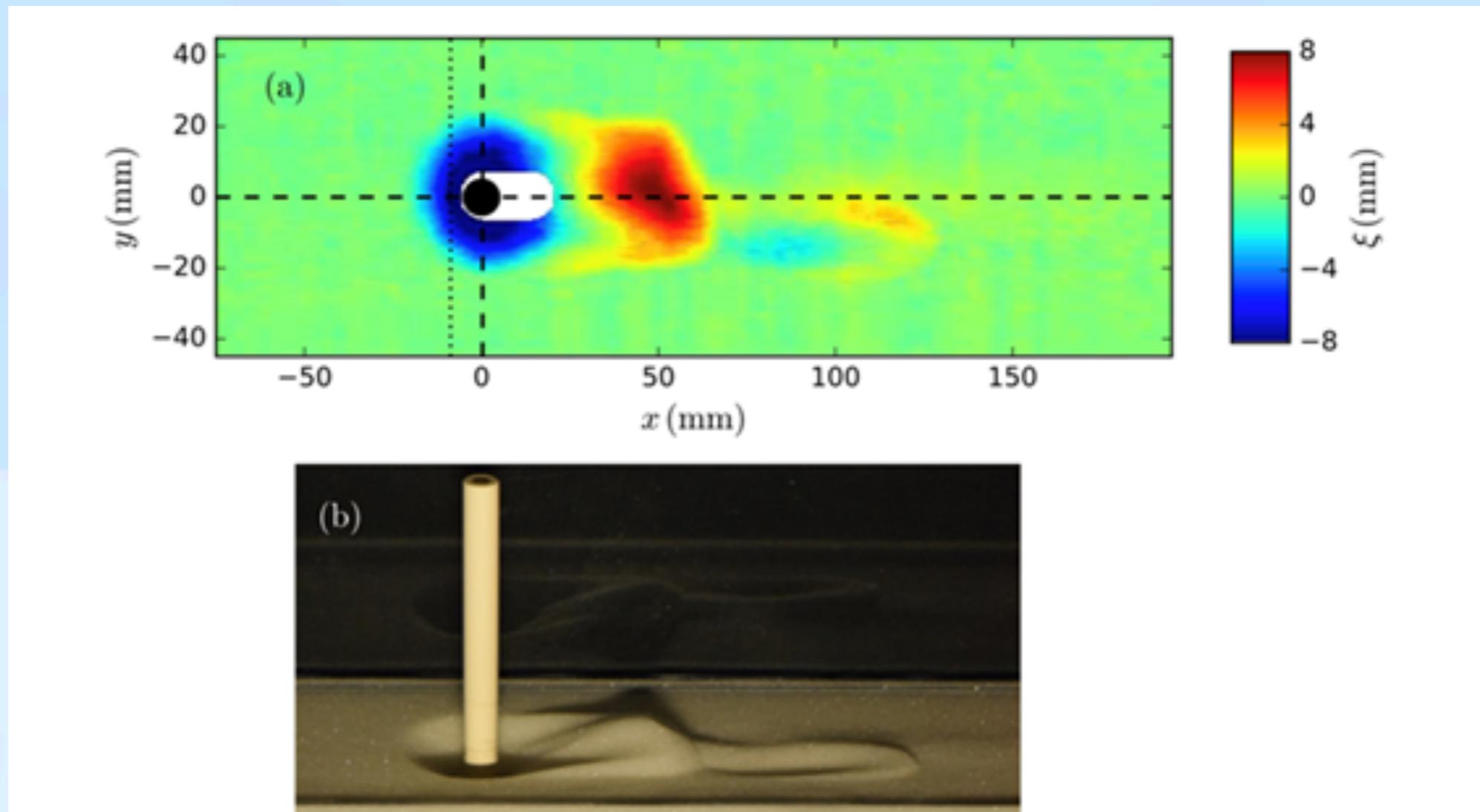
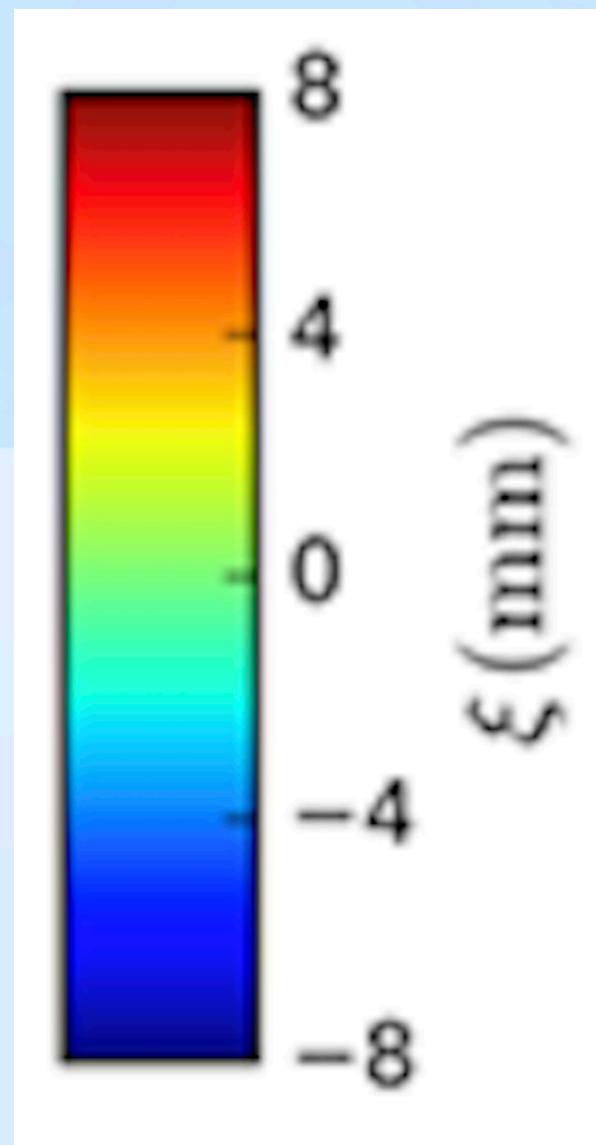


FIGURE 4.1 – (a) Relevé topographique $\xi(x,y,t)$ et (b) photographie latérale de l'AFC, pour un cylindre de diamètre $D = 10$ mm. L'écoulement se fait de gauche à droite. $Sh/Sh_c = 0,69$, $Re_D \simeq 1400$, $t = 2,4$ h. Les lignes en trait discontinu en $y = 0$ mm et $x = 0$ mm correspondent respectivement aux profils en coupe des figures 4.3(a) et 4.4(a). La ligne pointillée en $x = -9$ mm correspond au profil en coupe de la figure 4.4(b).

Relevé topographique pour un cylindre

Comparaison palette

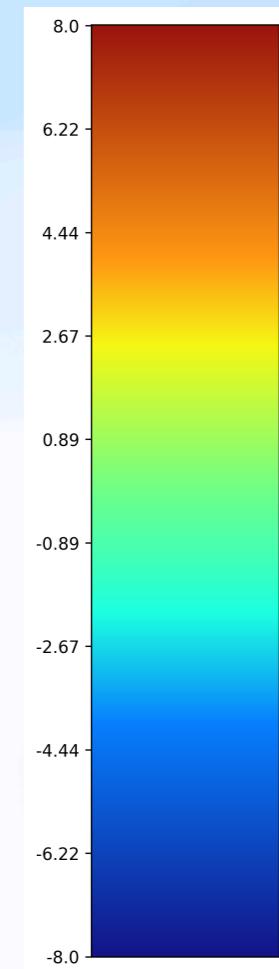
Palette d'origine



Couleurs prélevées

8.0 -> RGB(154, 21, 13)
4.0 -> RGB(255, 152, 19)
2.5 -> RGB(245, 248, 20)
0.0 -> RGB(110, 255, 137)
-2.1 -> RGB(28, 255, 225)
-4.0 -> RGB(7, 127, 254)
-8.0 -> RGB(19, 20, 135)

Palette interpolée



Relevé topographique pour un cylindre

Comparaison figure

Figure d'origine

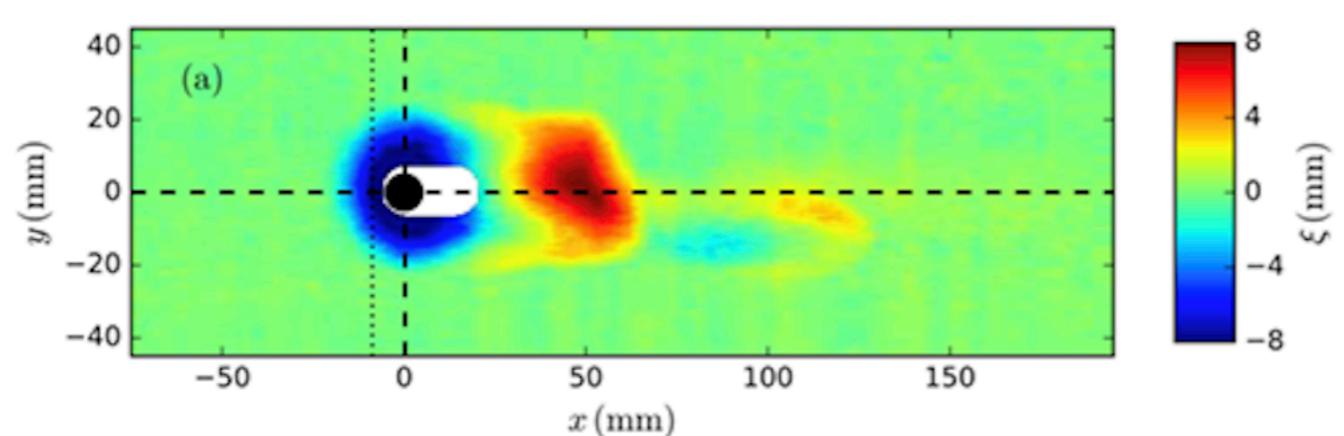
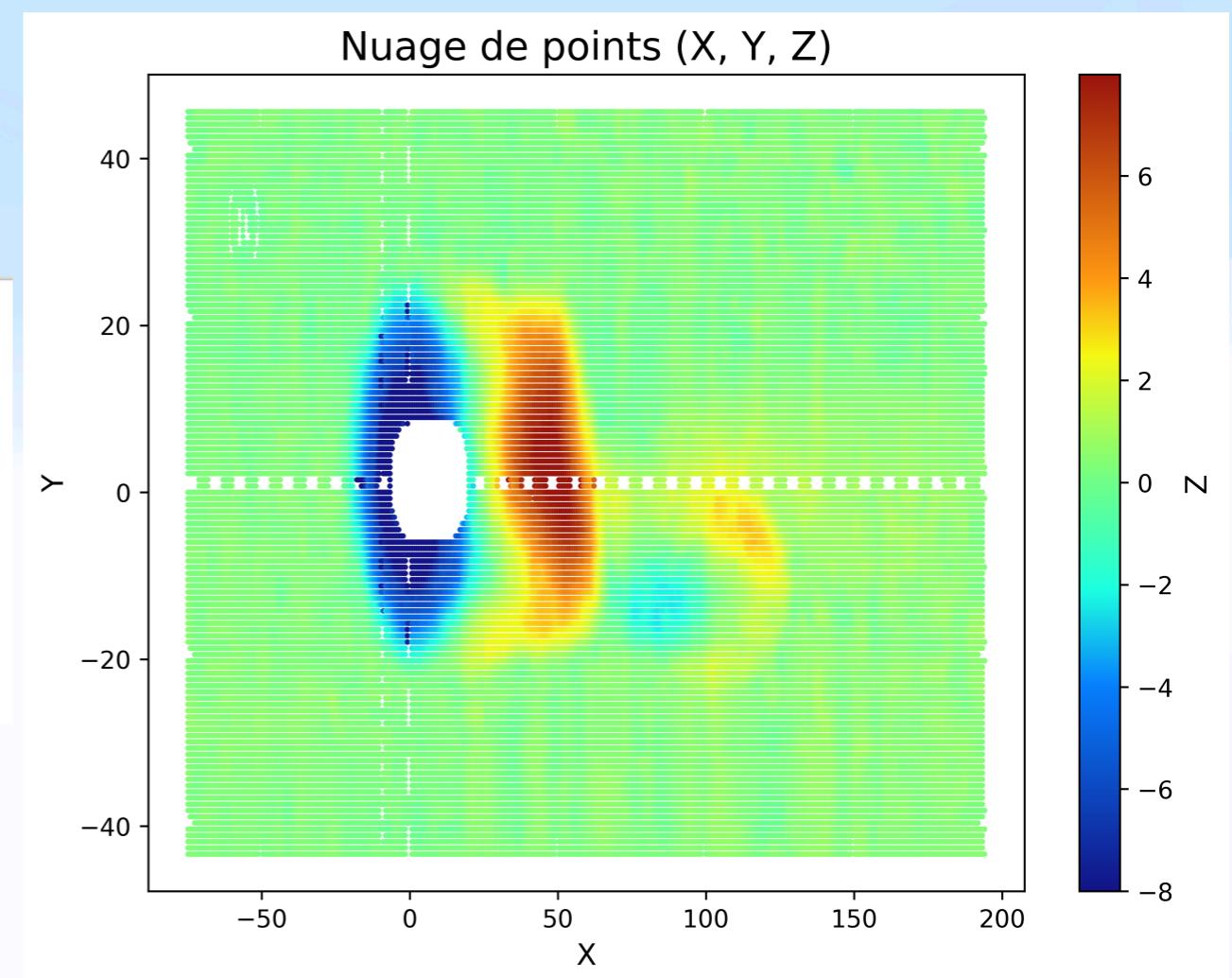


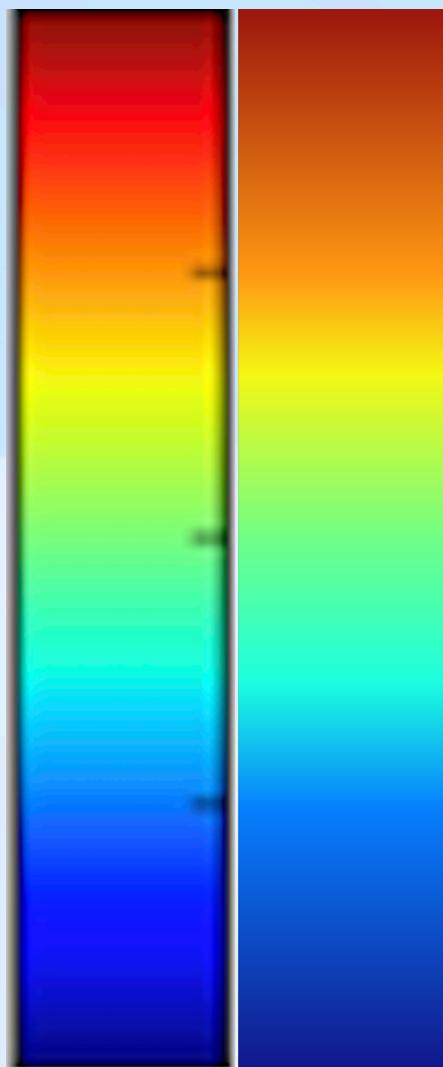
Figure résultante



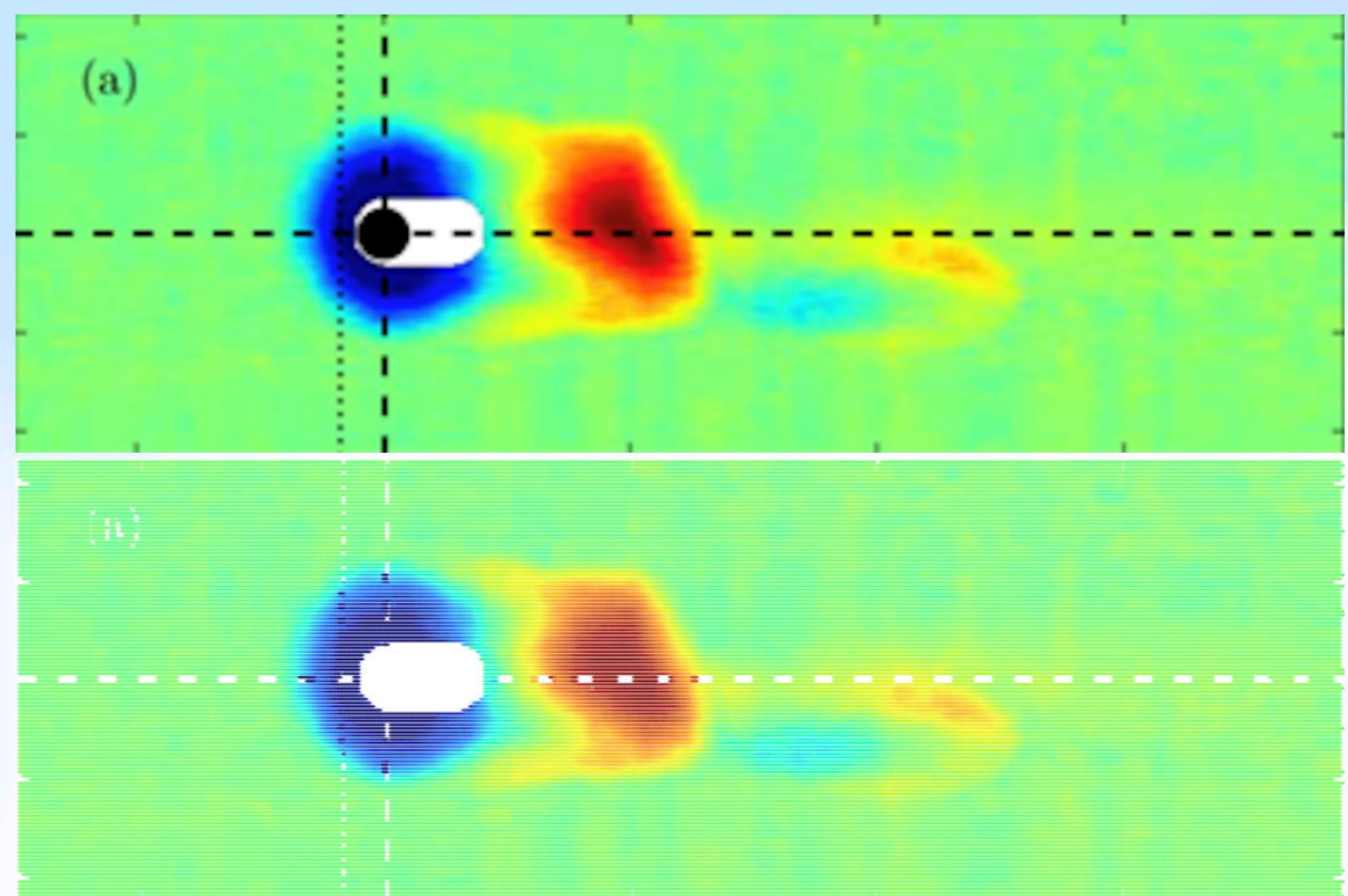
Relevé topographique pour un cylindre

Comparaison côté à côté

Palettes



Figures



Validation 2

P. Matte et al. 2017

Hydrodynamic Modeling of the St. Lawrence Fluvial Estuary. II: Reproduction of Spatial and Temporal Patterns

Article in Journal of Waterway, Port, Coastal and Ocean Engineering · March 2017
Pascal Matte, Jean Morin, Yves Secretan

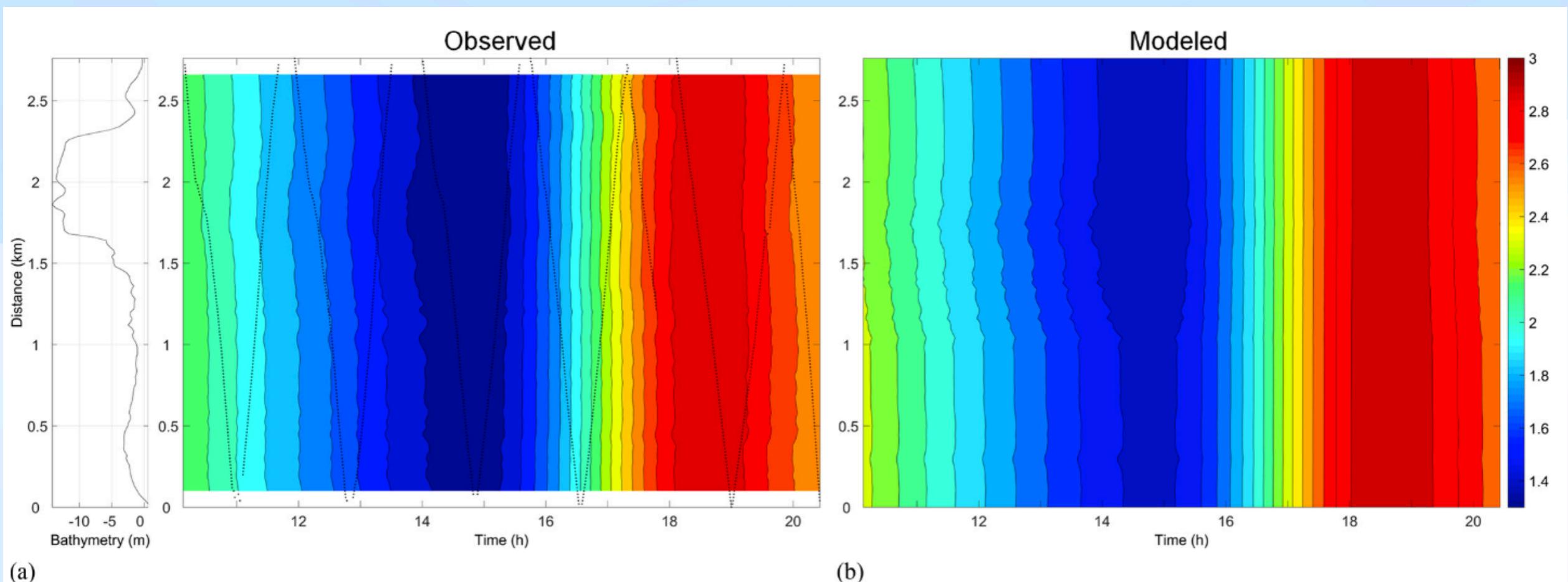
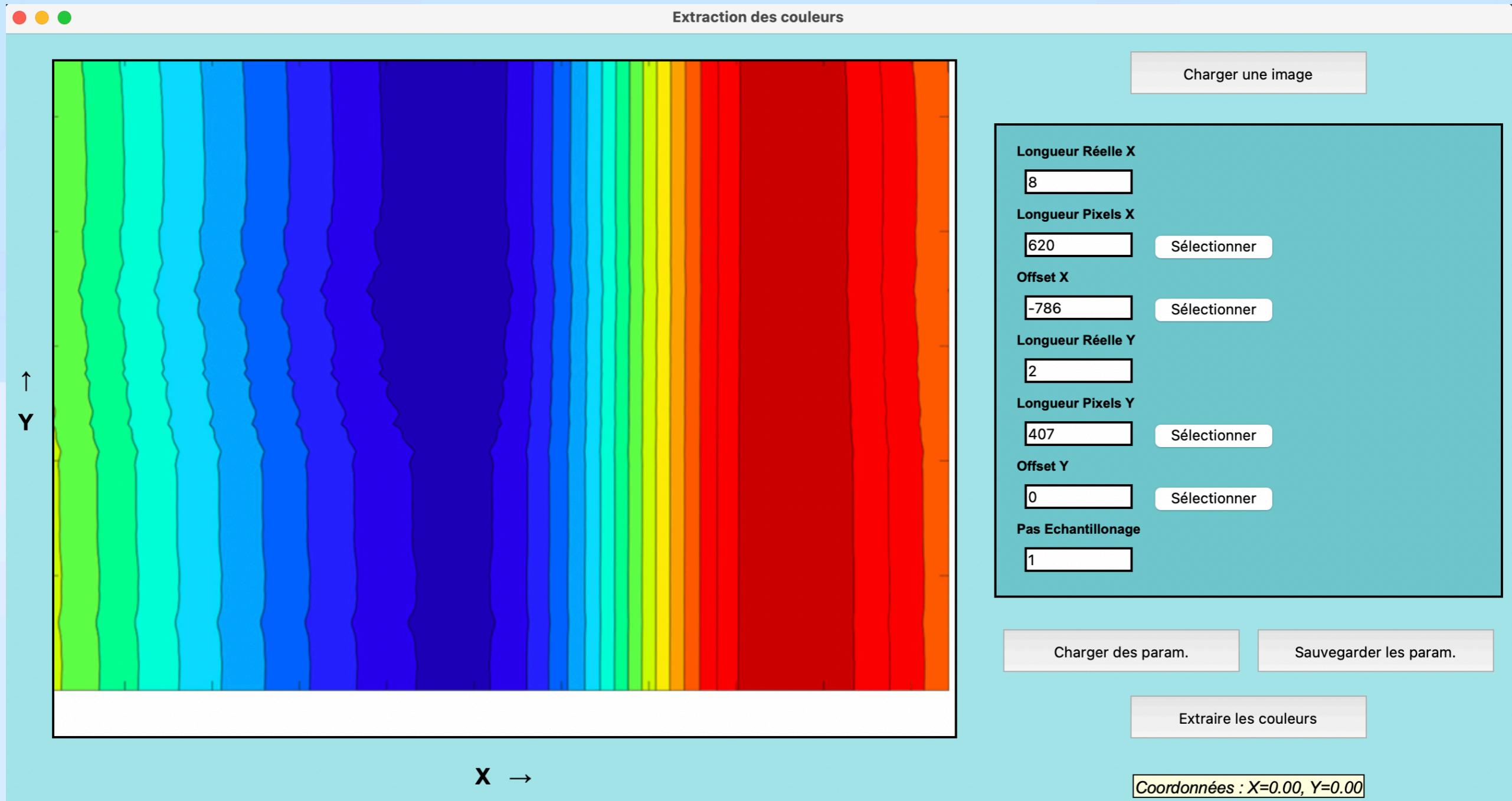


Fig. 1. (Color) Water levels (in meters) at Grondines on June 19, 2009, as a function of cross-sectional distance (or bathymetry) and time: (a) observed; (b) modeled (Note: Black dots represent the gridded data points along the boat track; time reference is EDT)

P. Matte et al. 2017

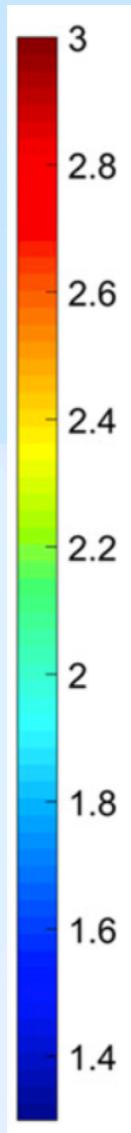
Extraction des couleurs



P. Matte et al. 2017

Comparaison palette

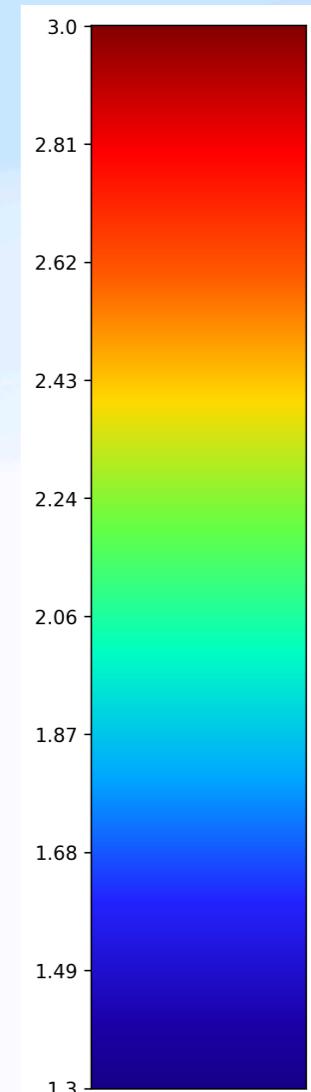
Palette d'origine



Couleurs prélevées

3.0 -> RGB(133, 0, 0)
2.8 -> RGB(255, 0, 0)
2.6 -> RGB(255, 92, 0)
2.4 -> RGB(255, 218, 0)
2.2 -> RGB(102, 255, 69)
2.0 -> RGB(0, 255, 195)
1.8 -> RGB(0, 169, 255)
1.6 -> RGB(36, 35, 255)
1.4 -> RGB(28, 0, 167)
1.3 -> RGB(23, 0, 135)

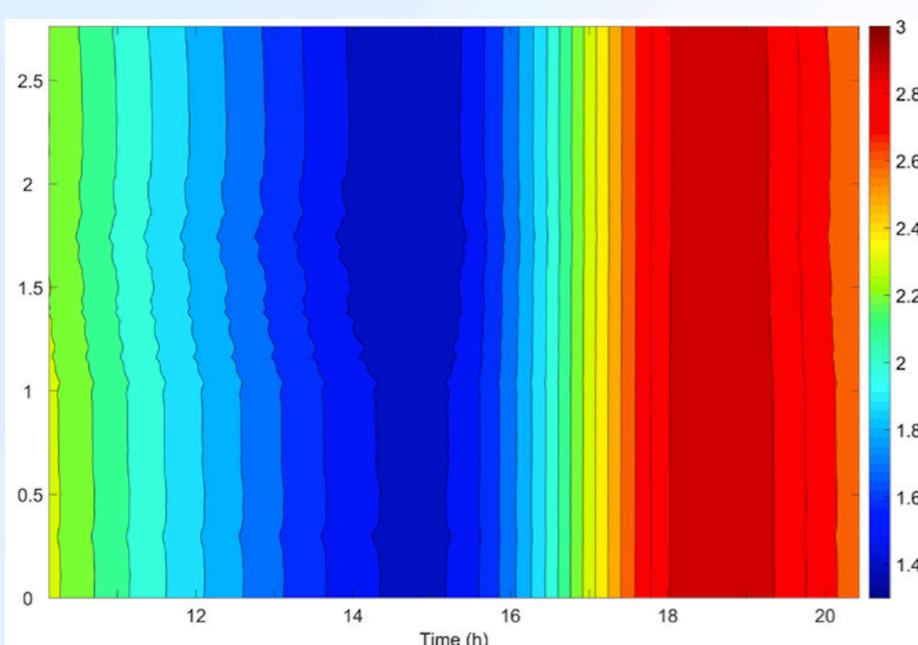
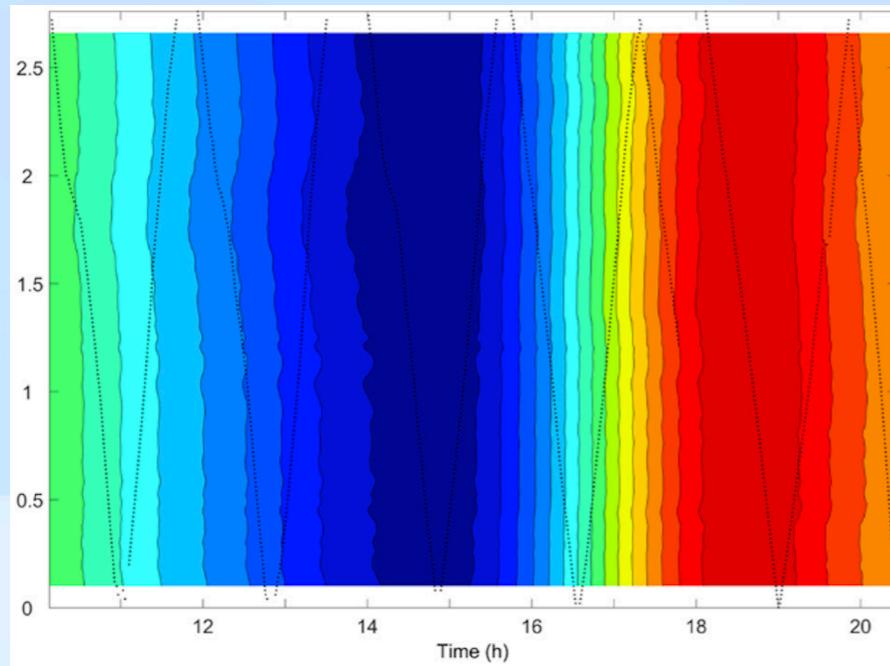
Palette interpolée



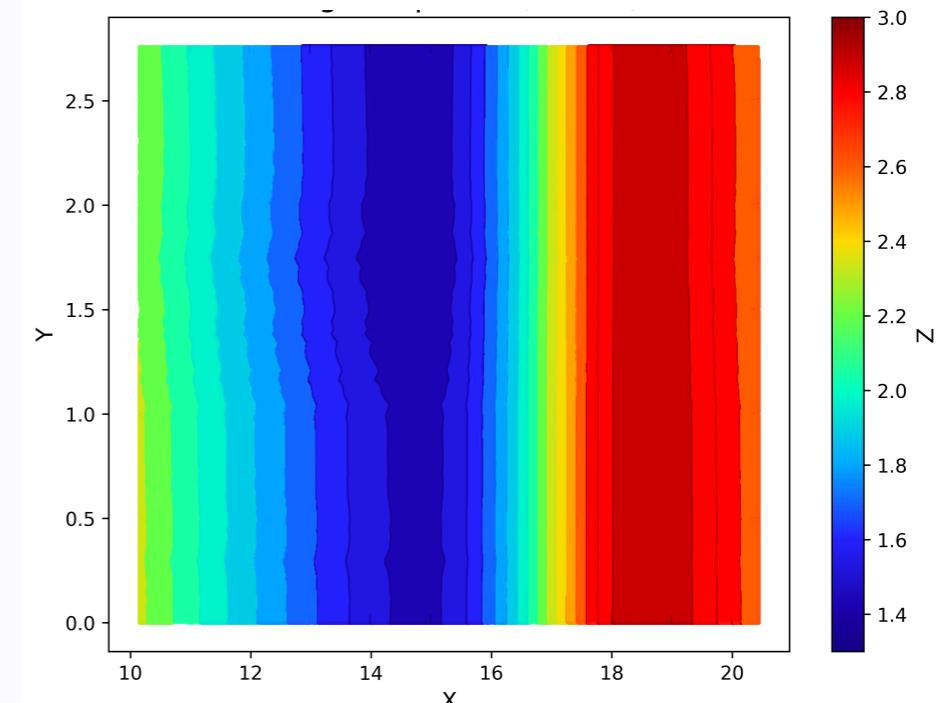
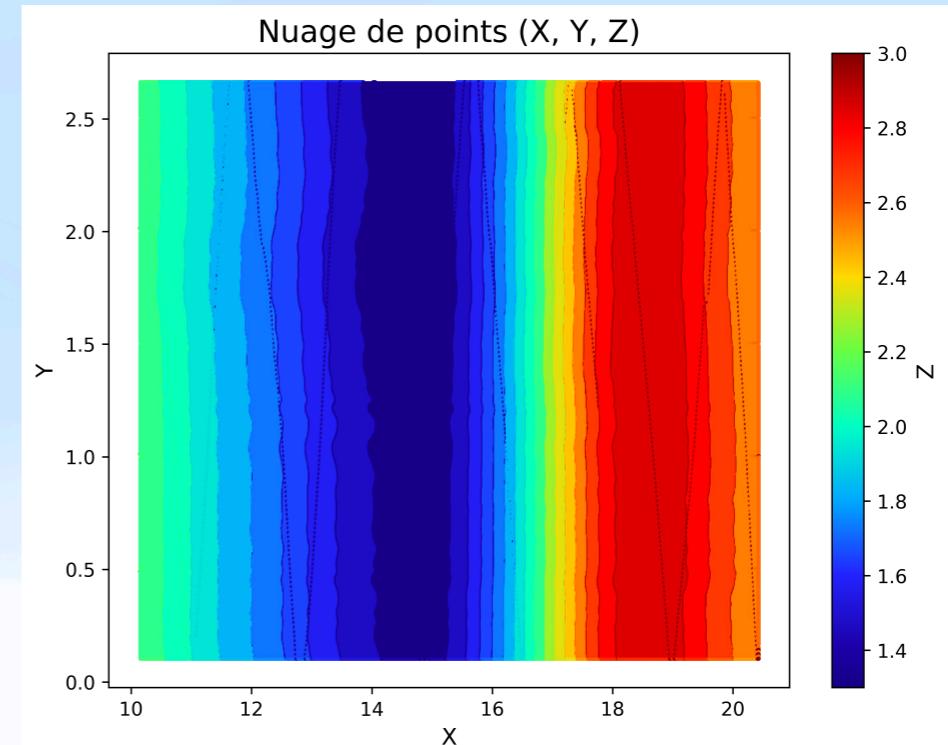
P. Matte et al. 2017

Comparaison figure

Figures d'origine



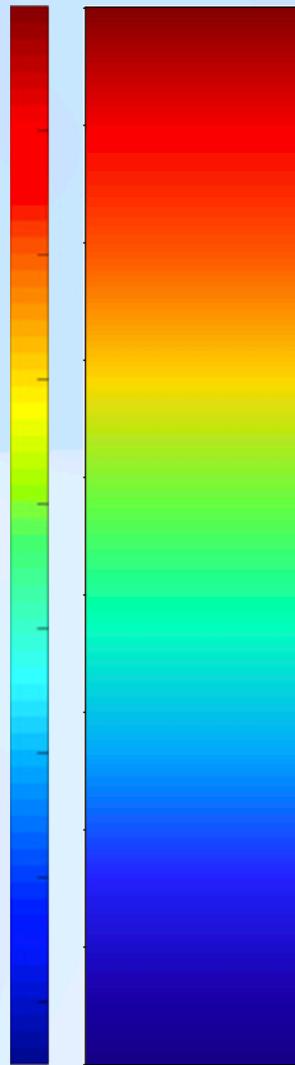
Figures résultantes



Relevé topographique pour un cylindre

Comparaison côté à côté

Palettes



Figures

