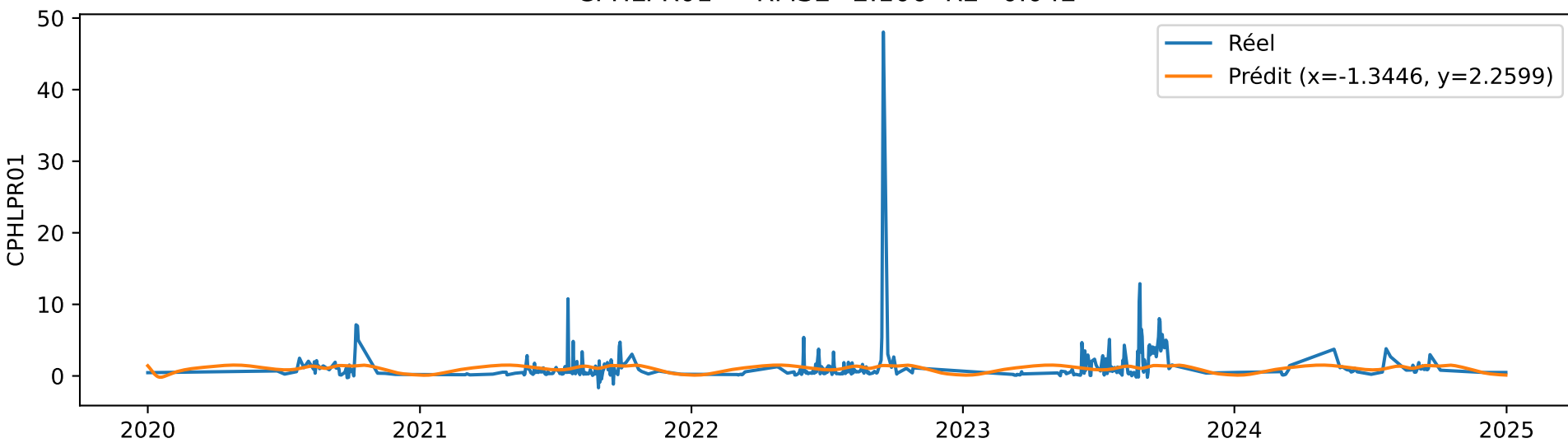
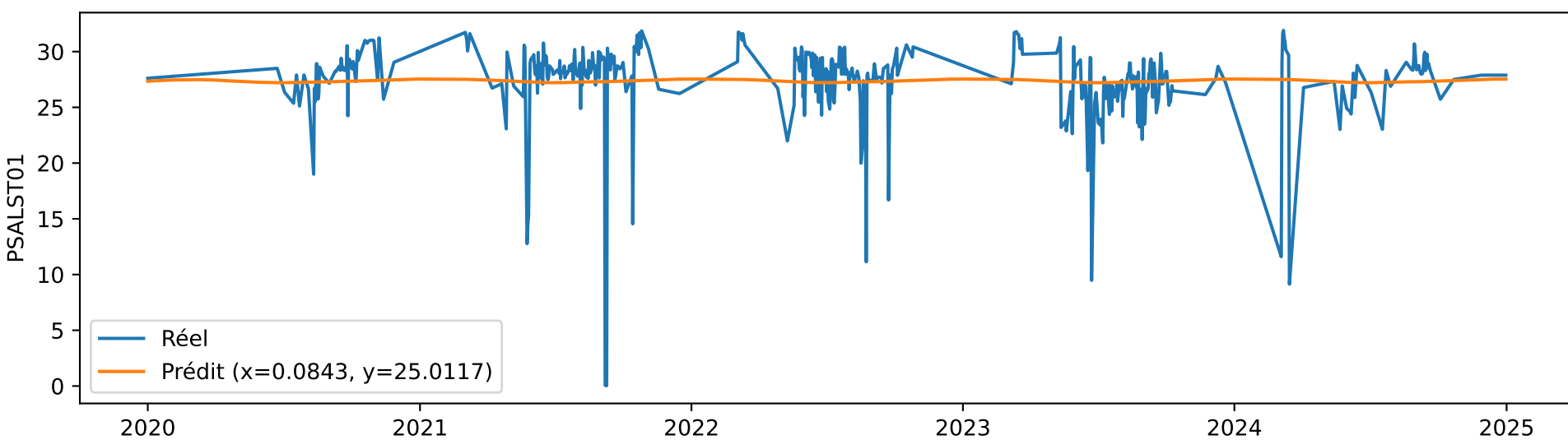


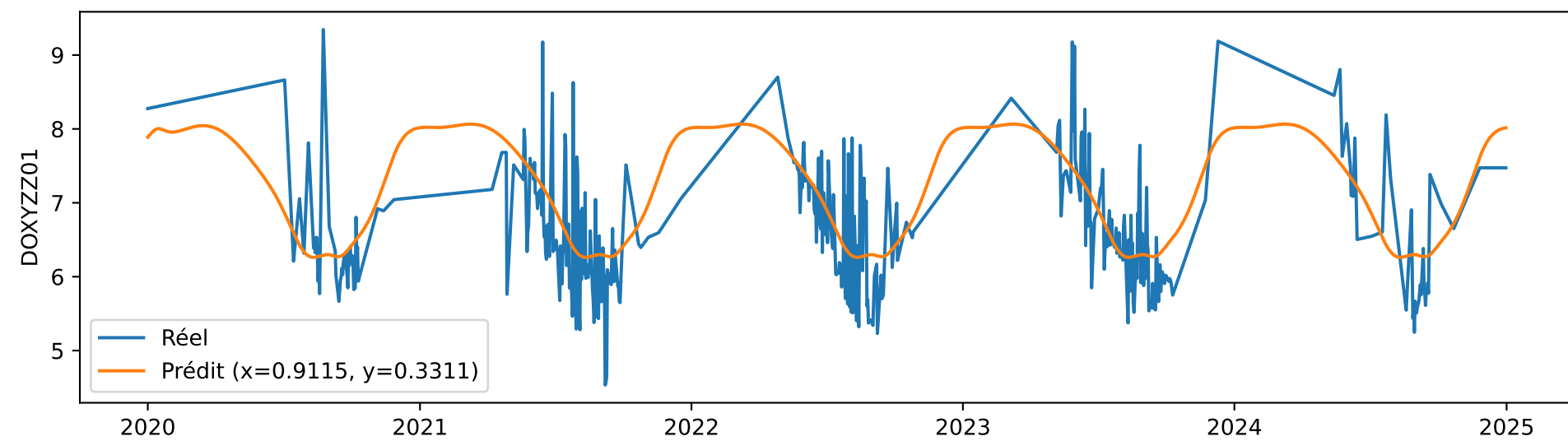
CPHLPR01 — RMSE=2.106 R2=0.042



PSALST01 — RMSE=3.213 R2=0.001



DOXYZZ01 — RMSE=0.650 R2=0.526



Résultats LSTM multivarié (après OLS)

Période entraînement : 2000-03-01 -> 2019-12-31  
Période test : 2020-01-01 -> 2024-12-31

- Metrics par variable (après transformation optimale) :
- CPHLPR01: RMSE=2.1064, R2=0.0416 (x=-1.344582, y=2.259903, R2\_opt=0.041556)
  - PSALST01: RMSE=3.2133, R2=0.0012 (x=0.084278, y=25.011686, R2\_opt=0.001202)
  - DOXYZZ01: RMSE=0.6500, R2=0.5260 (x=0.911477, y=0.331122, R2\_opt=0.526031)