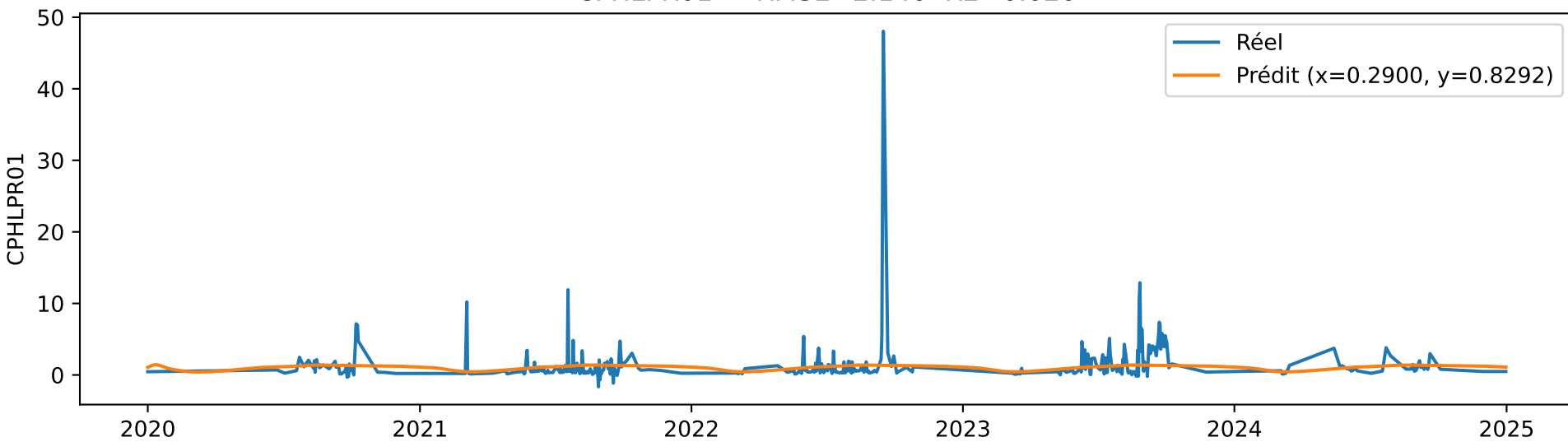
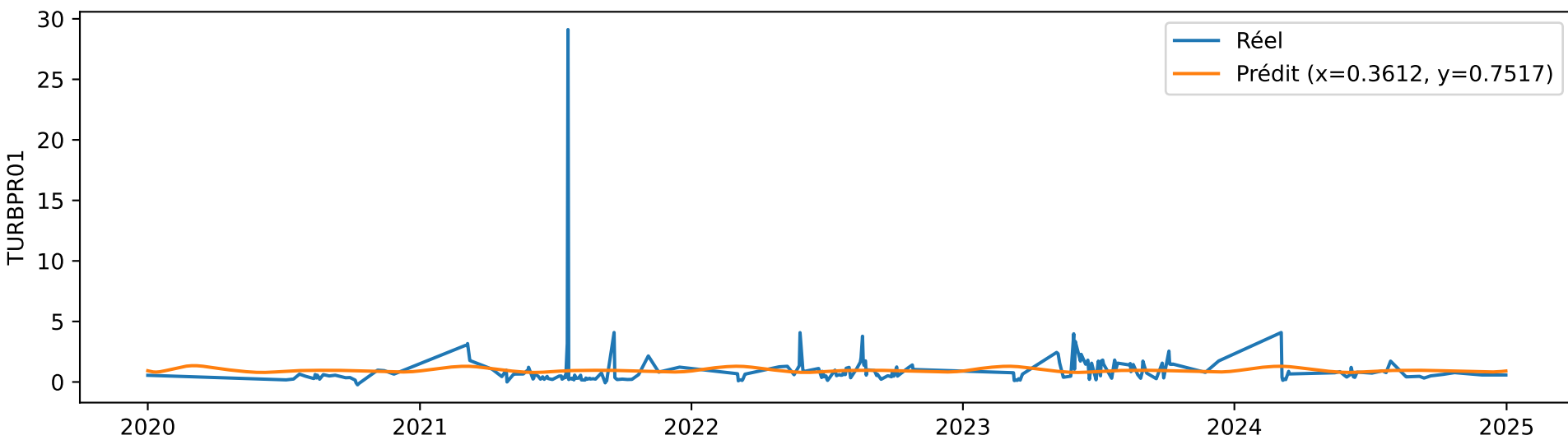


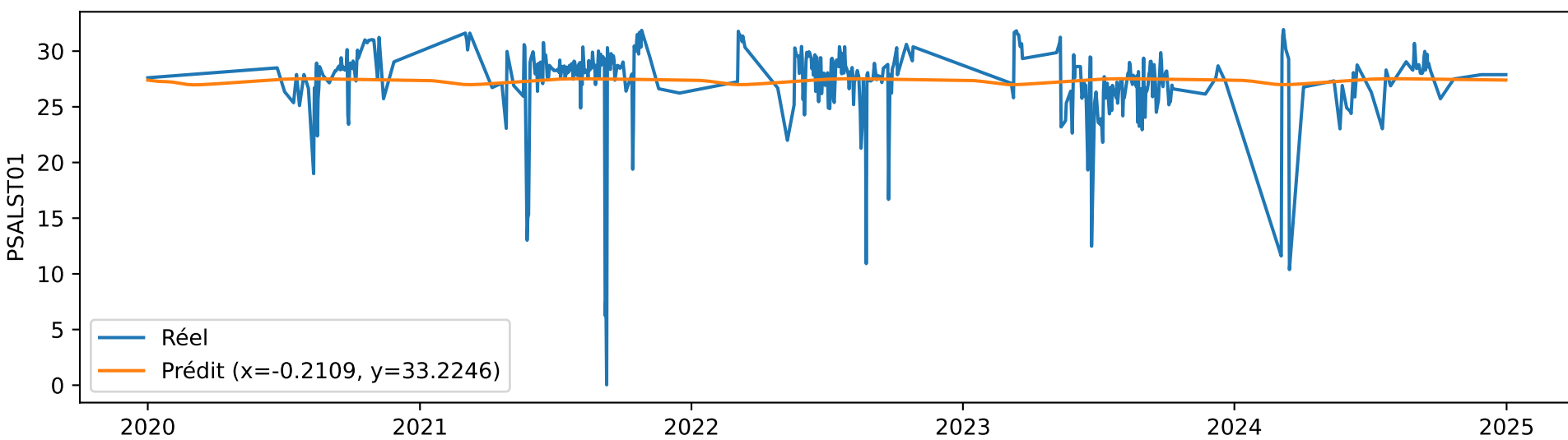
CPHLPR01 — RMSE=2.140 R2=0.020



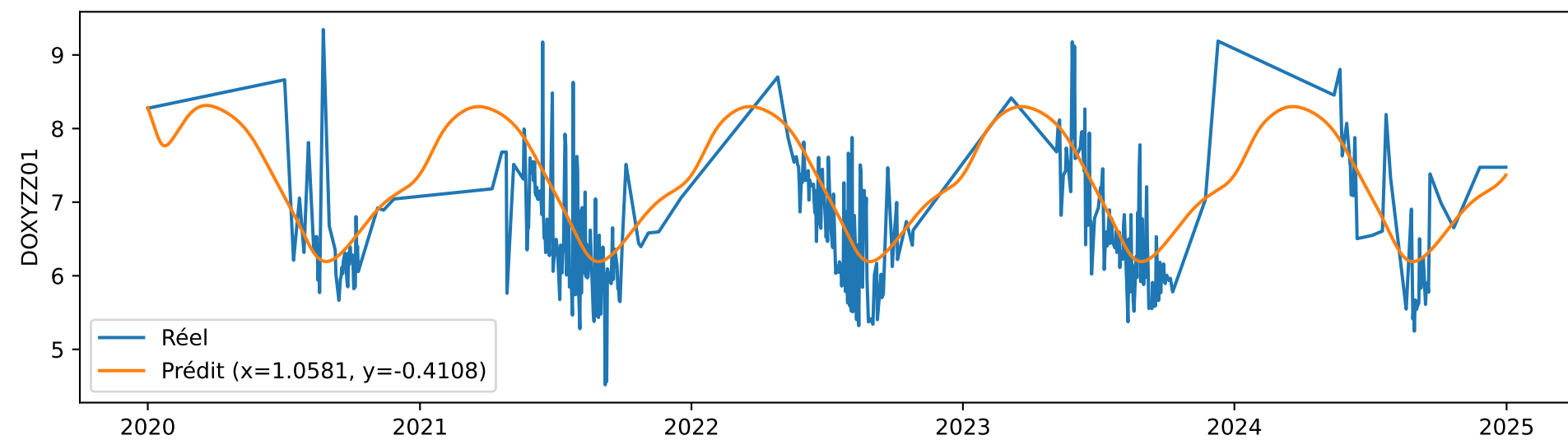
TURBPR01 — RMSE=0.970 R2=0.022



PSALST01 — RMSE=3.072 R2=0.003



DOXYZZ01 — RMSE=0.624 R2=0.560



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=2.1395, R2=0.0200 (x=0.290044, y=0.829196, R2\_opt=0.020015)
  - TURBPR01: RMSE=0.9697, R2=0.0223 (x=0.361179, y=0.751674, R2\_opt=0.022300)
  - PSALST01: RMSE=3.0724, R2=0.0030 (x=-0.210907, y=33.224571, R2\_opt=0.003031)
  - DOXYZZ01: RMSE=0.6236, R2=0.5598 (x=1.058132, y=-0.410831, R2\_opt=0.559824)