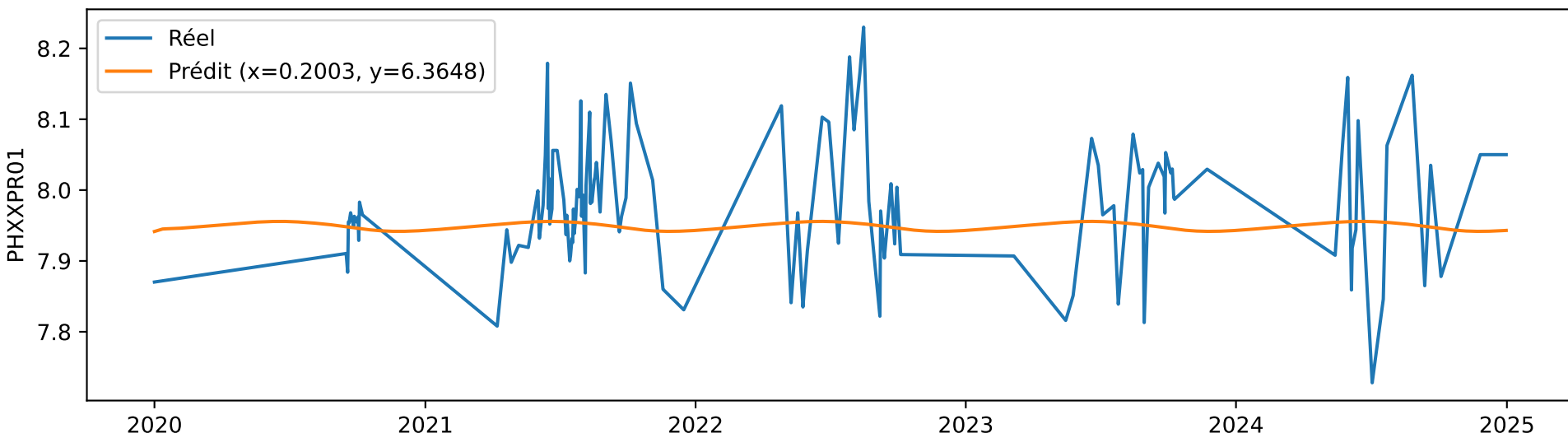
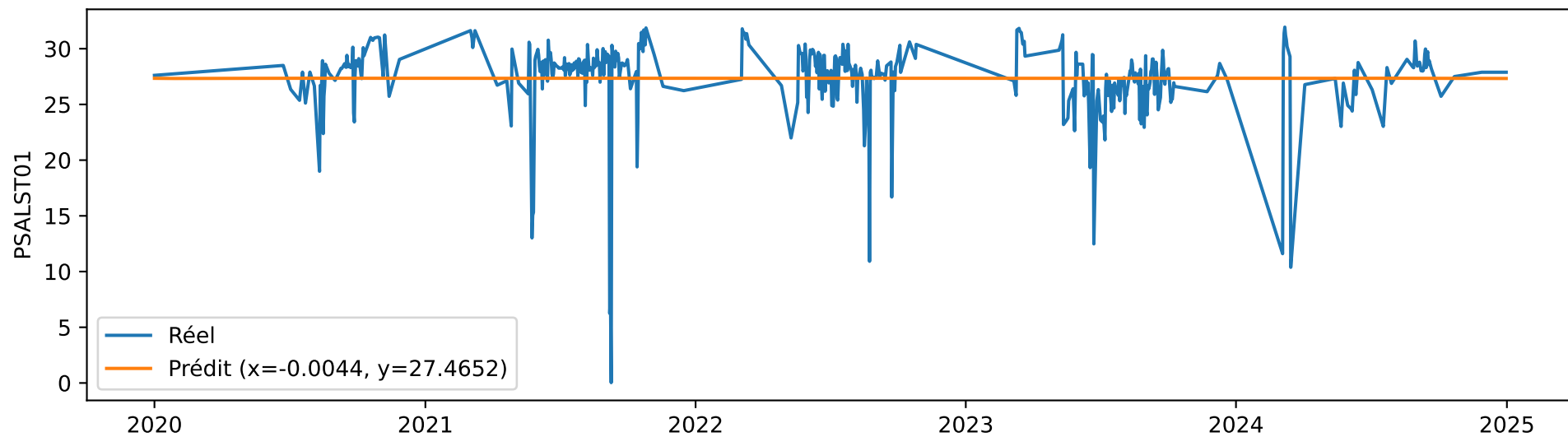


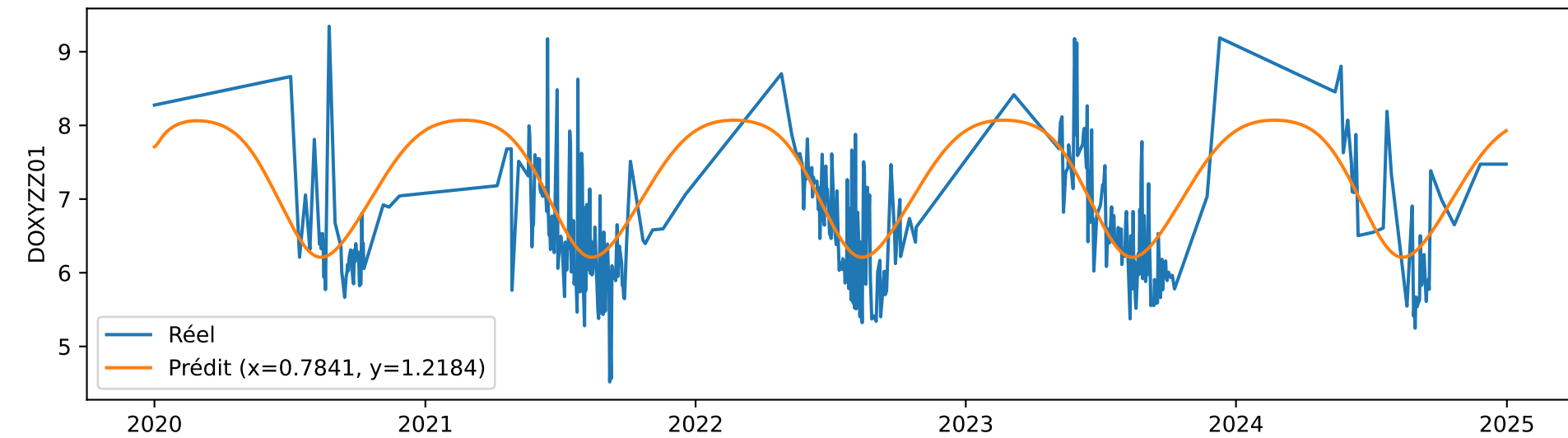
PHXXPR01 — RMSE=0.080 R2=0.004



PSALST01 — RMSE=3.077 R2=0.000



DOXYZZ01 — RMSE=0.674 R2=0.486



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) :
- PHXXPR01: RMSE=0.0797, R2=0.0037 (x=0.200301, y=6.364796, R2\_opt=0.003691)
  - PSALST01: RMSE=3.0771, R2=0.0000 (x=-0.004401, y=27.465224, R2\_opt=0.000008)
  - DOXYZZ01: RMSE=0.6736, R2=0.4864 (x=0.784109, y=1.218438, R2\_opt=0.486433)