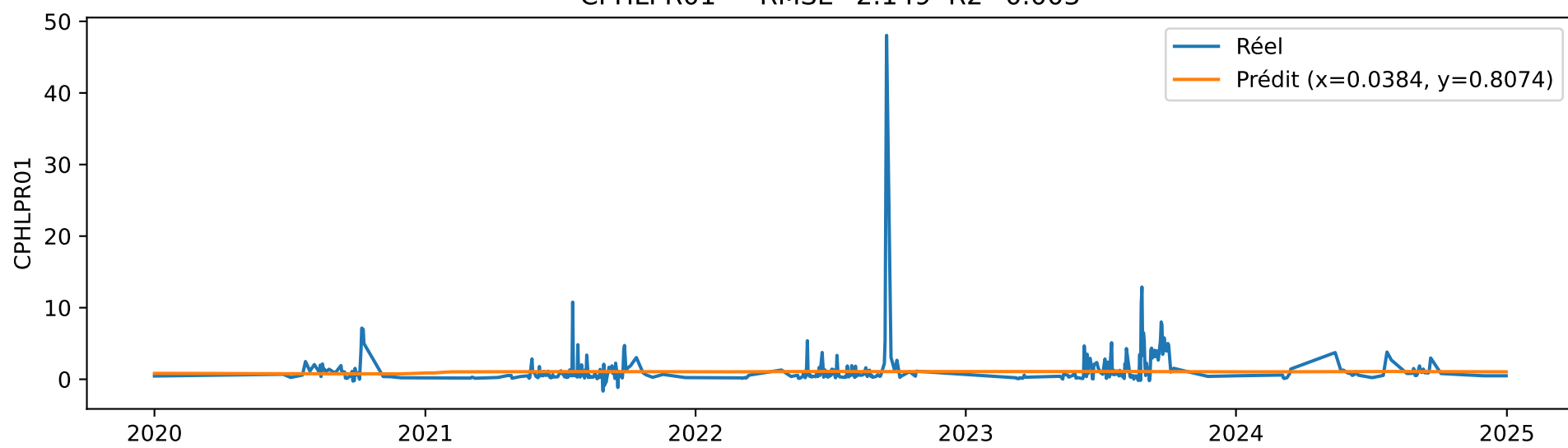
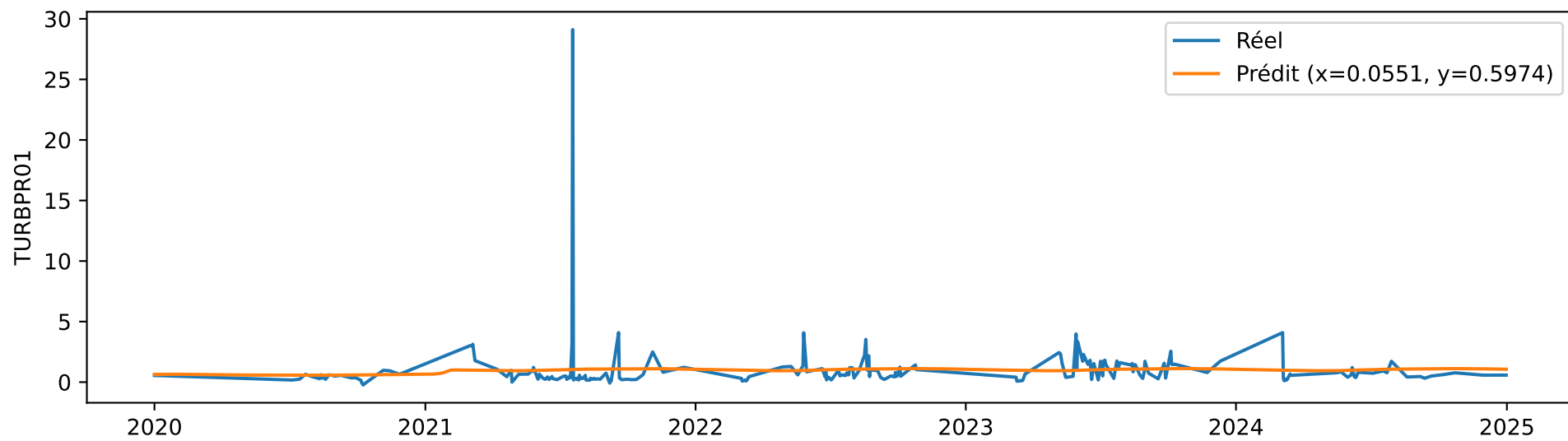


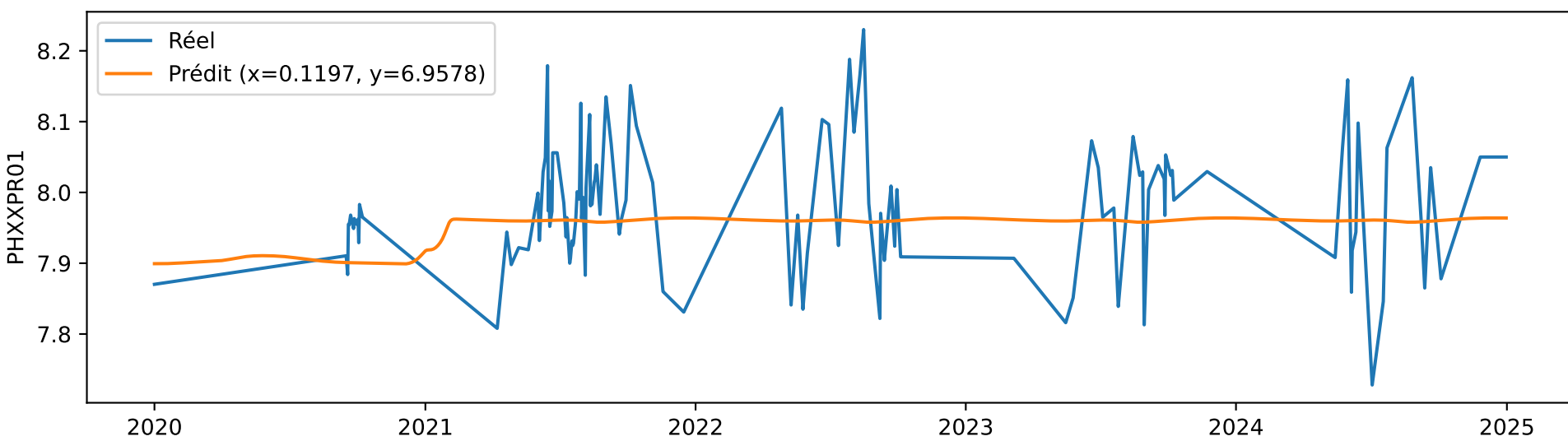
CPHLPR01 — RMSE=2.149 R2=0.003



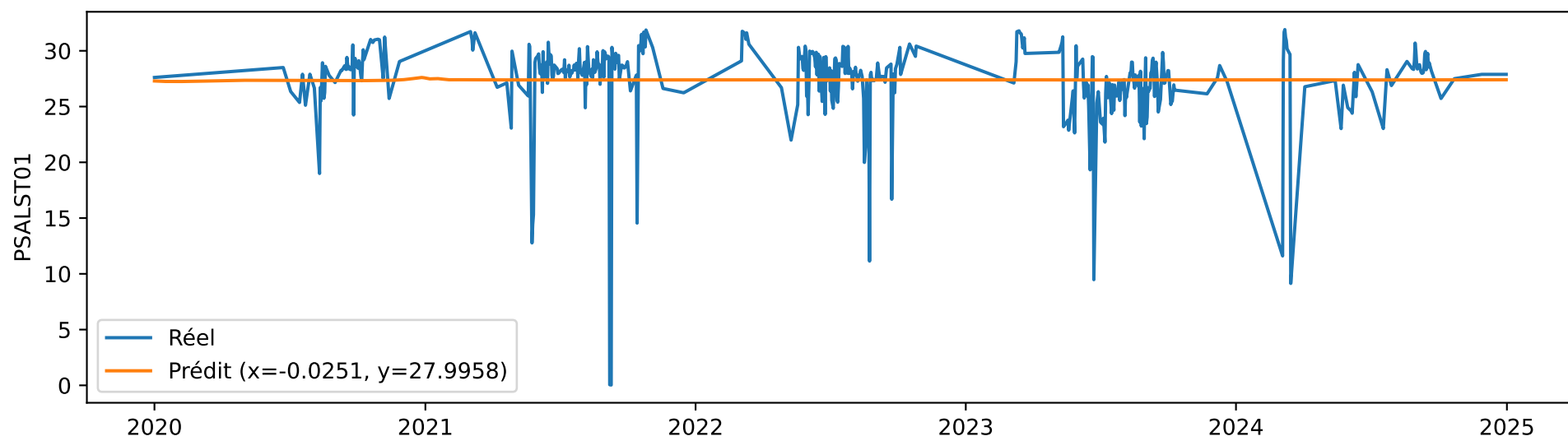
TURBPR01 — RMSE=0.973 R2=0.035



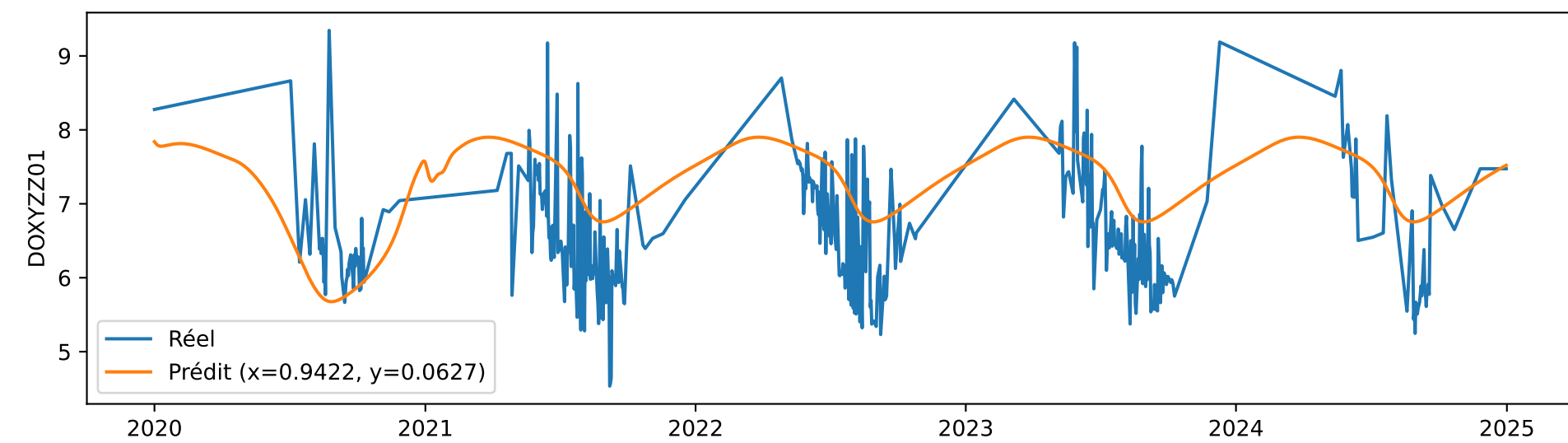
PHXXPR01 — RMSE=0.076 R2=0.085



PSALST01 — RMSE=3.215 R2=0.000



DOXYZZ01 — RMSE=0.782 R2=0.314



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=2.1487, R2=0.0027 (x=0.038415, y=0.807391, R2\_opt=0.002730)
  - TURBPR01: RMSE=0.9733, R2=0.0346 (x=0.055138, y=0.597441, R2\_opt=0.034555)
  - PHXXPR01: RMSE=0.0765, R2=0.0848 (x=0.119658, y=6.957770, R2\_opt=0.084813)
  - PSALST01: RMSE=3.2150, R2=0.0002 (x=-0.025095, y=27.995805, R2\_opt=0.000157)
  - DOXYZZ01: RMSE=0.7821, R2=0.3140 (x=0.942235, y=0.062694, R2\_opt=0.313963)