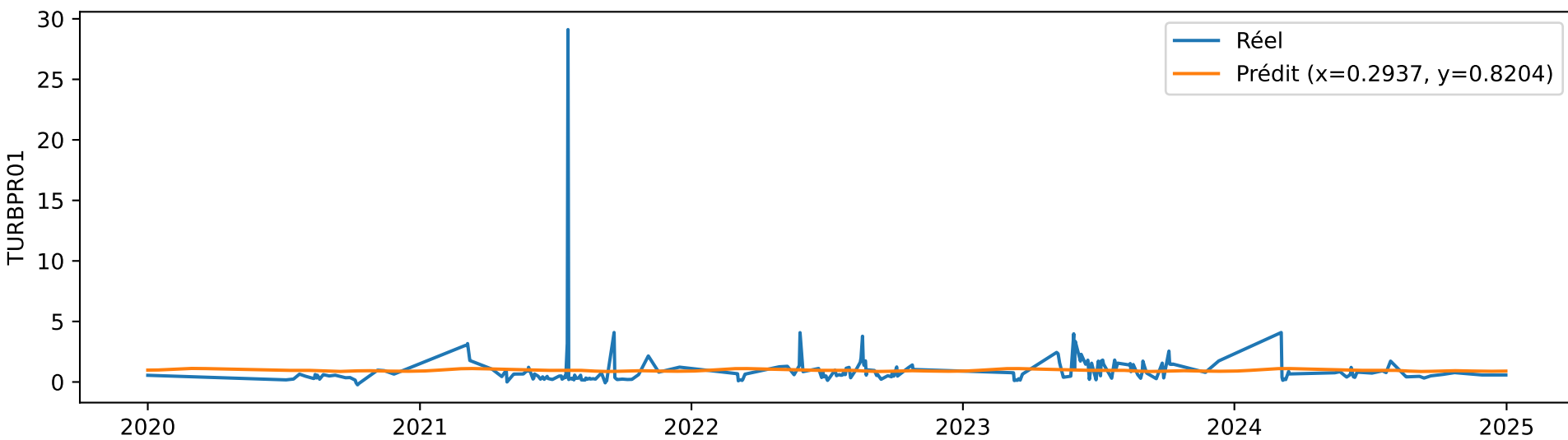
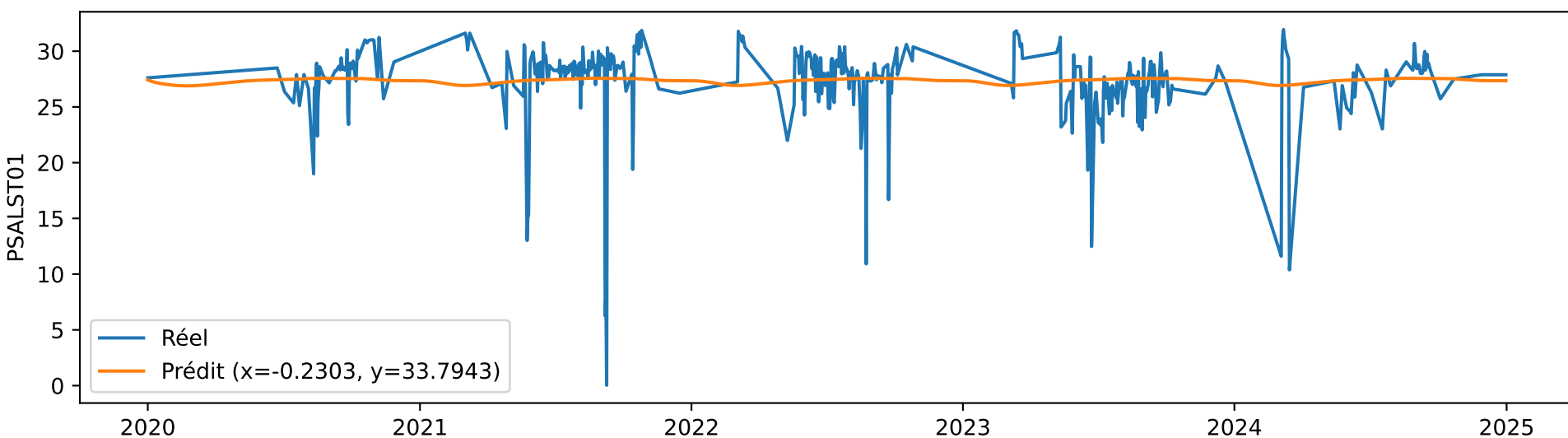


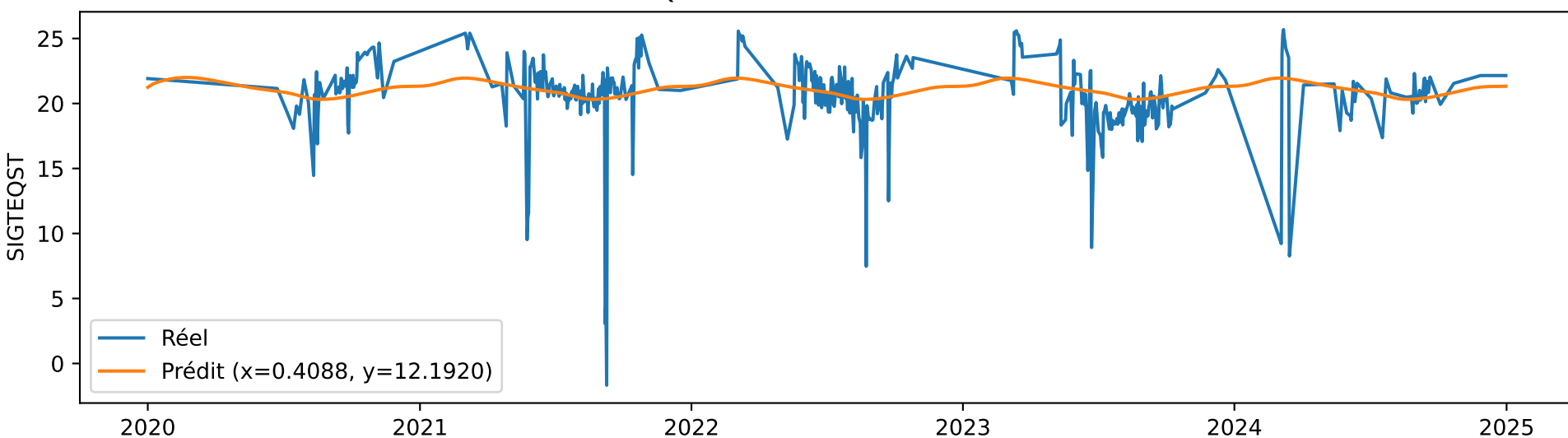
TURBPR01 — RMSE=0.978 R2=0.006



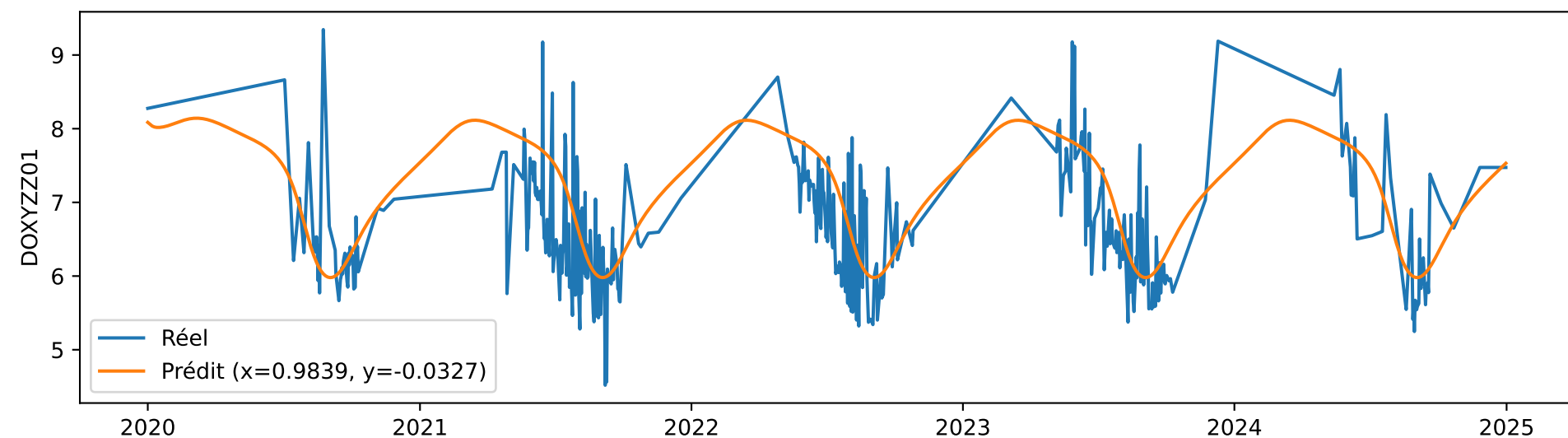
PSALST01 — RMSE=3.070 R2=0.004



SIGTEQST — RMSE=2.495 R2=0.038



DOXYZZ01 — RMSE=0.634 R2=0.545



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) :
- TURBPR01: RMSE=0.9779, R2=0.0056 (x=0.293675, y=0.820375, R2\_opt=0.005616)
  - PSALST01: RMSE=3.0703, R2=0.0044 (x=-0.230323, y=33.794272, R2\_opt=0.004387)
  - SIGTEQST: RMSE=2.4946, R2=0.0384 (x=0.408843, y=12.192028, R2\_opt=0.038415)
  - DOXYZZ01: RMSE=0.6340, R2=0.5450 (x=0.983907, y=-0.032733, R2\_opt=0.545005)