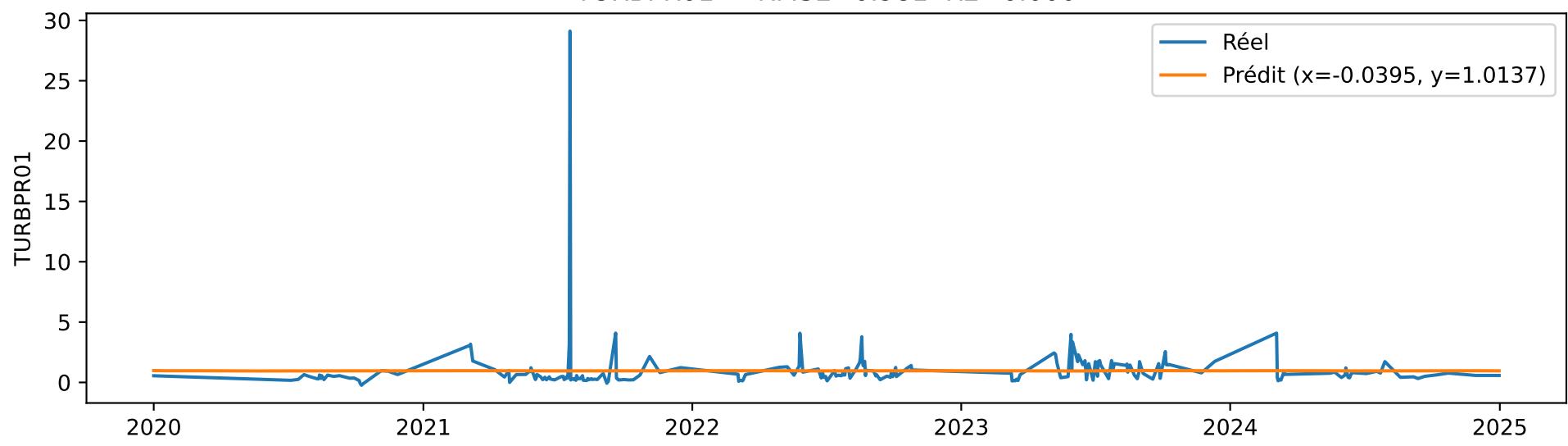
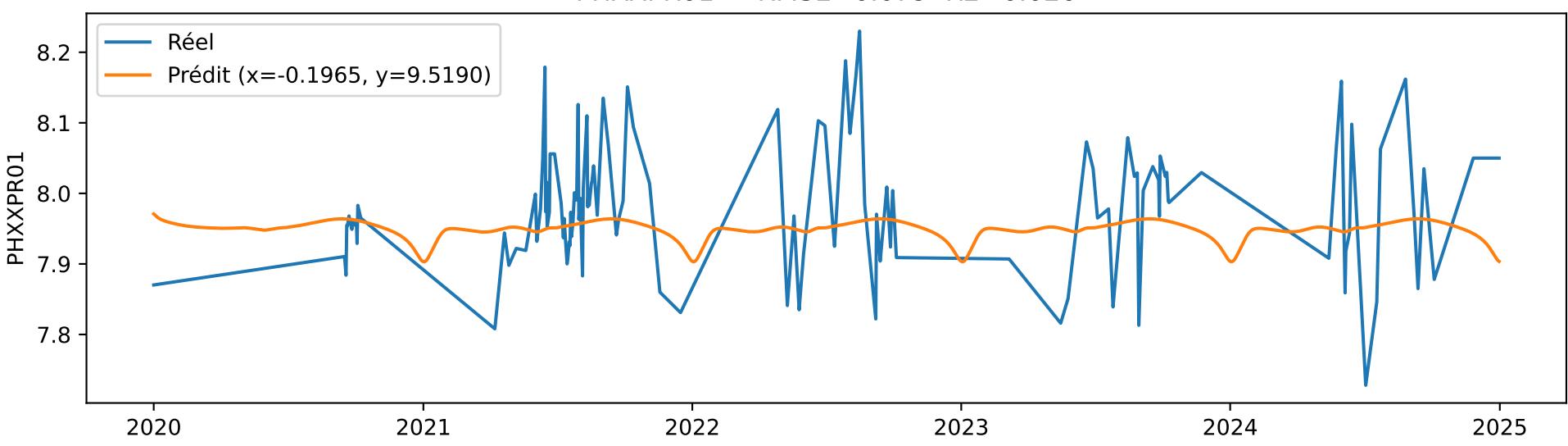


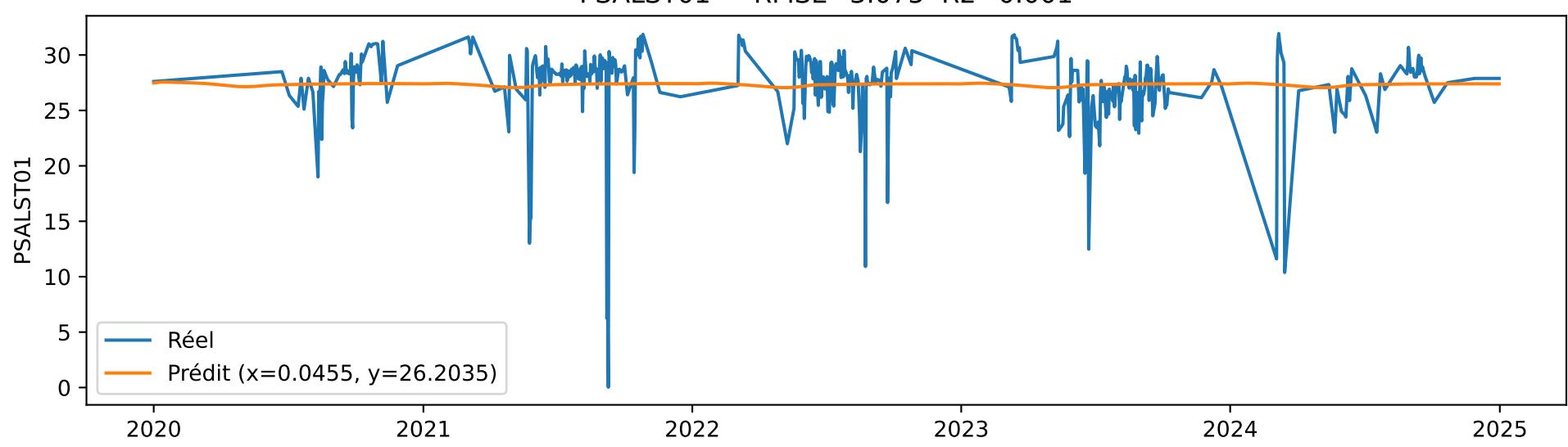
TURBPR01 — RMSE=0.981 R2=0.000



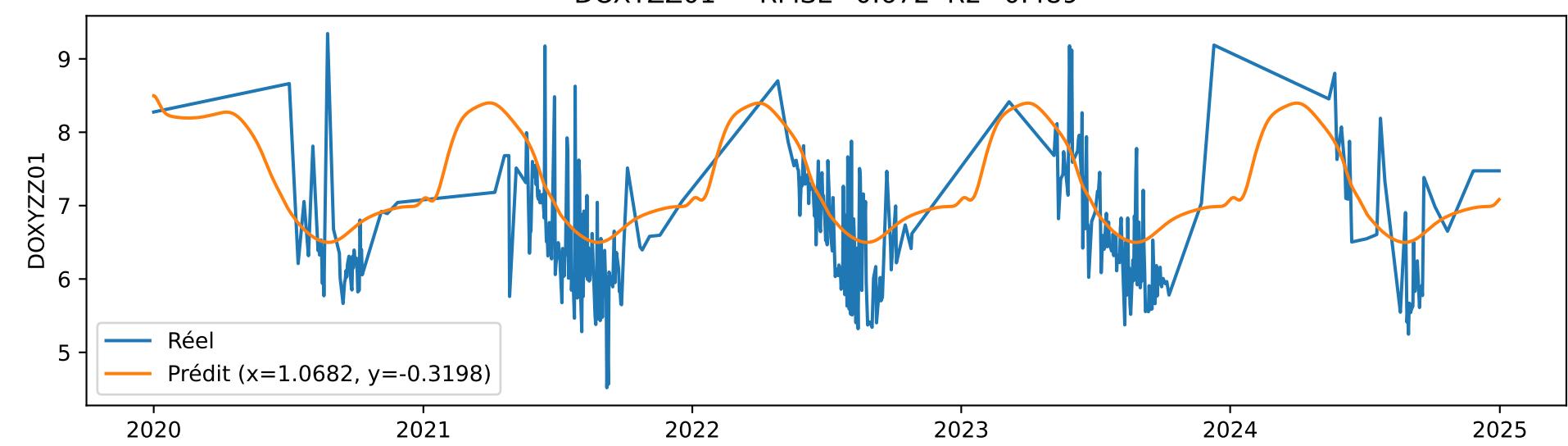
PHXXPR01 — RMSE=0.079 R2=0.026



PSALST01 — RMSE=3.075 R2=0.001



DOXYZZ01 — RMSE=0.672 R2=0.489



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=0.9806, R2=0.0001 ($x=-0.039469$, $y=1.013673$, $R2_{opt}=0.000099$)
- PHXXPR01: RMSE=0.0788, R2=0.0258 ($x=-0.196549$, $y=9.518994$, $R2_{opt}=0.025757$)
- PSALST01: RMSE=3.0749, R2=0.0014 ($x=0.045529$, $y=26.203533$, $R2_{opt}=0.001427$)
- DOXYZZ01: RMSE=0.6721, R2=0.4887 ($x=1.068201$, $y=-0.319765$, $R2_{opt}=0.488725$)