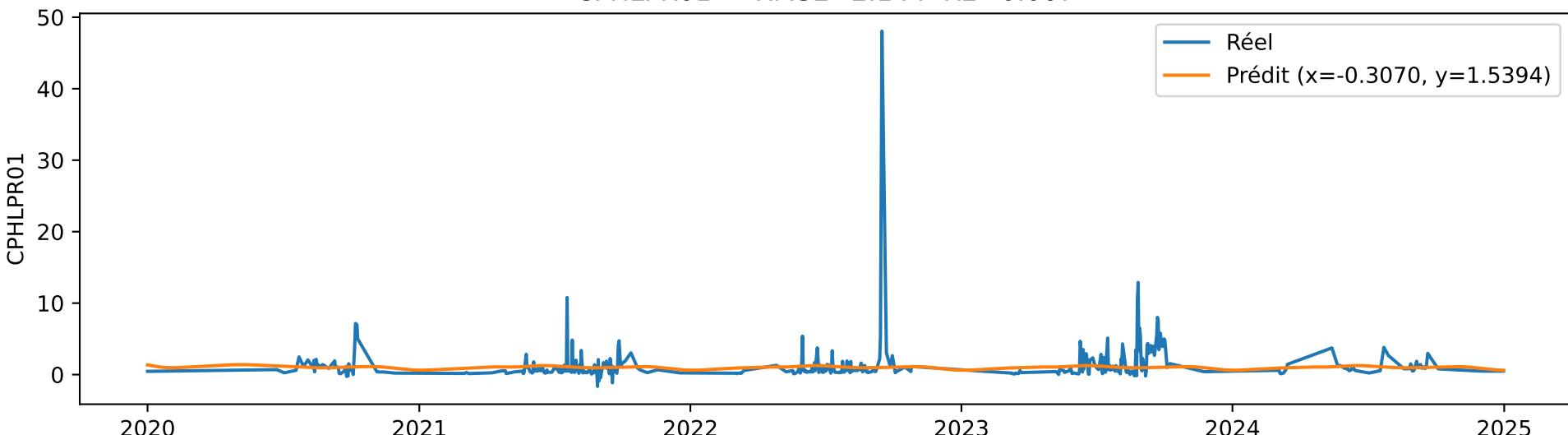
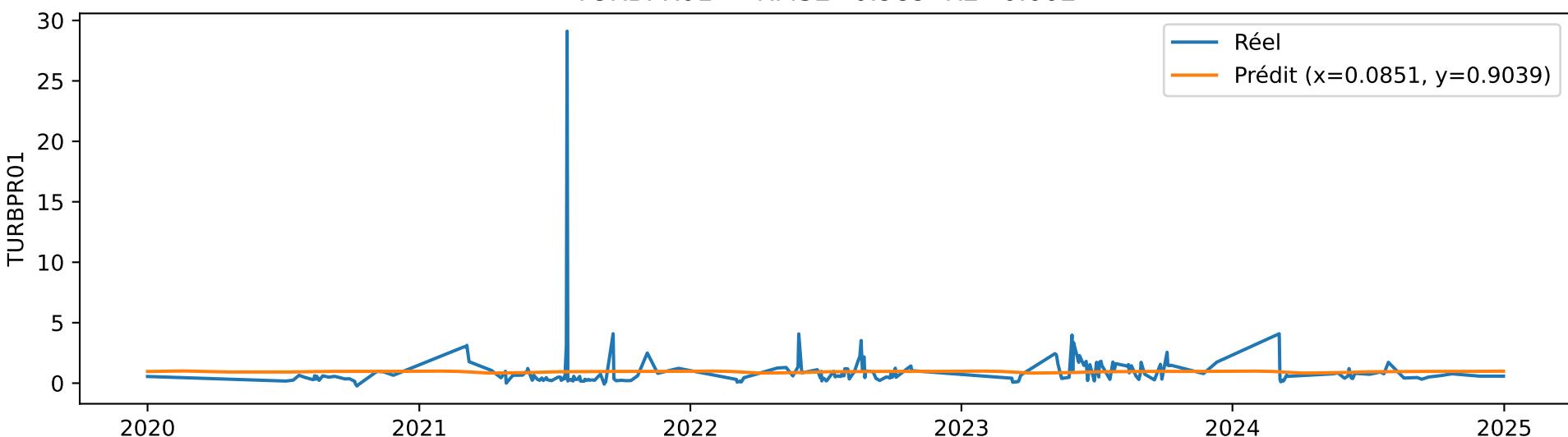


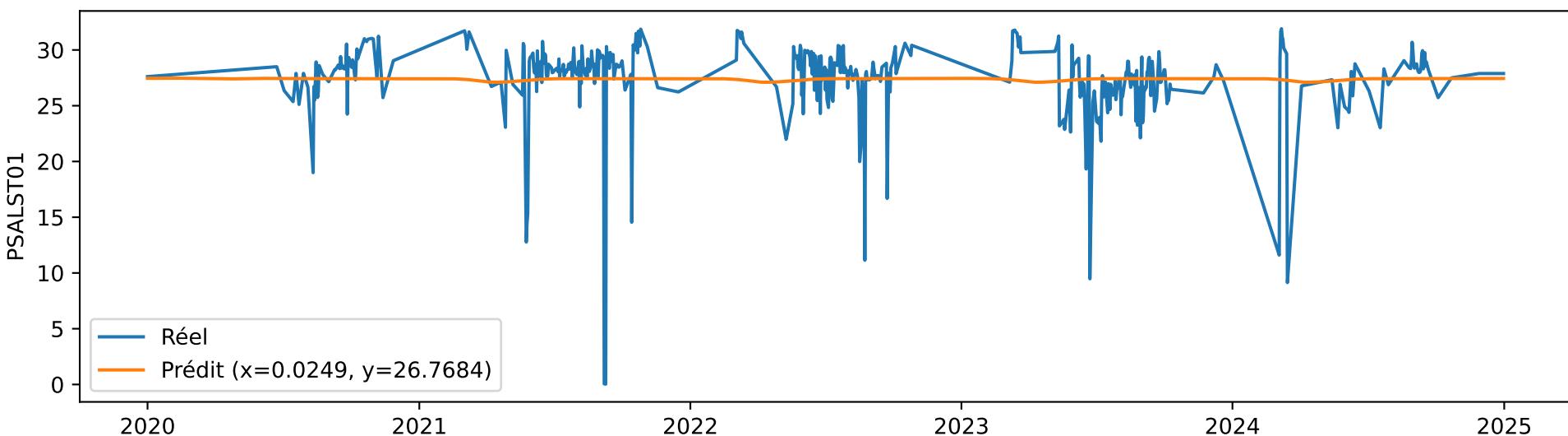
CPHLPR01 — RMSE=2.144 R2=0.007



TURBPR01 — RMSE=0.989 R2=0.002



PSALST01 — RMSE=3.214 R2=0.001



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=2.1442, R2=0.0069 ($x=-0.306960$, $y=1.539370$, $R2_{opt}=0.006889$)
- TURBPR01: RMSE=0.9893, R2=0.0024 ($x=0.085149$, $y=0.903909$, $R2_{opt}=0.002424$)
- PSALST01: RMSE=3.2137, R2=0.0009 ($x=0.024928$, $y=26.768415$, $R2_{opt}=0.000924$)