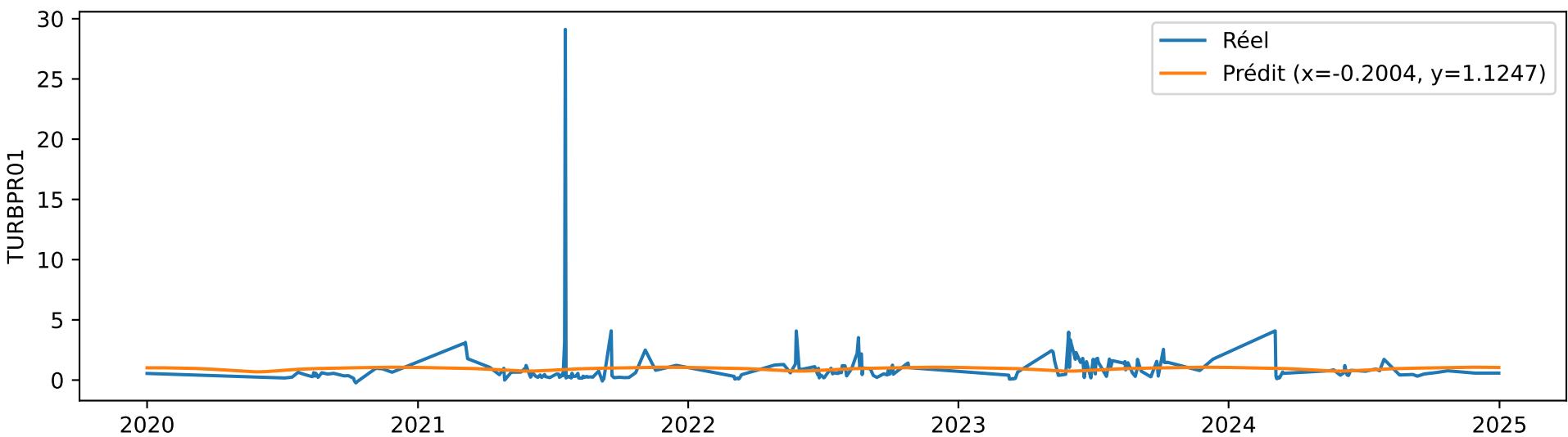
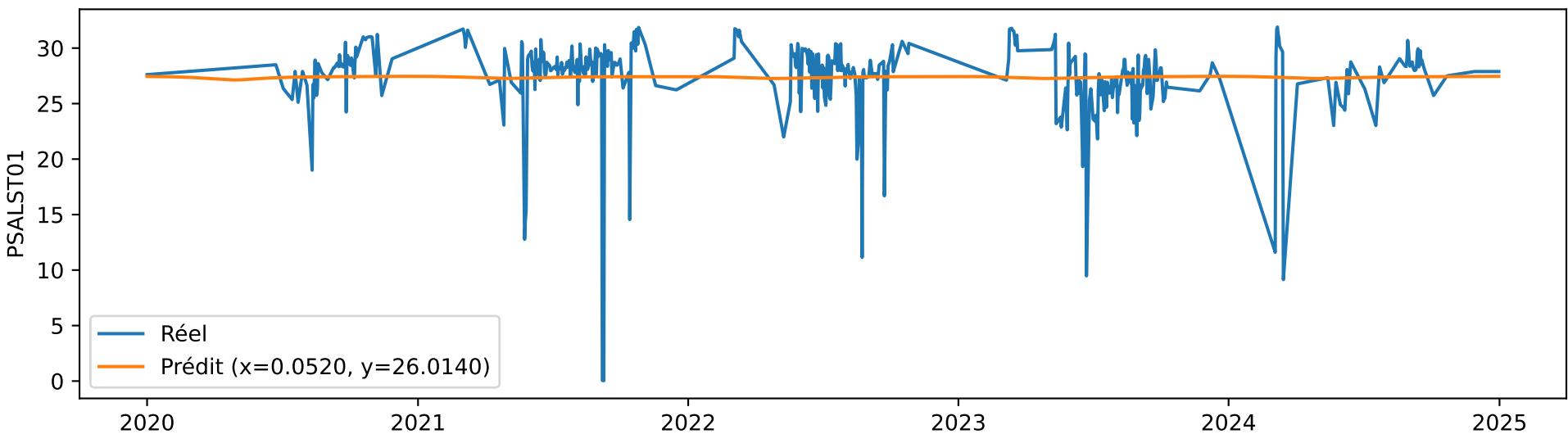


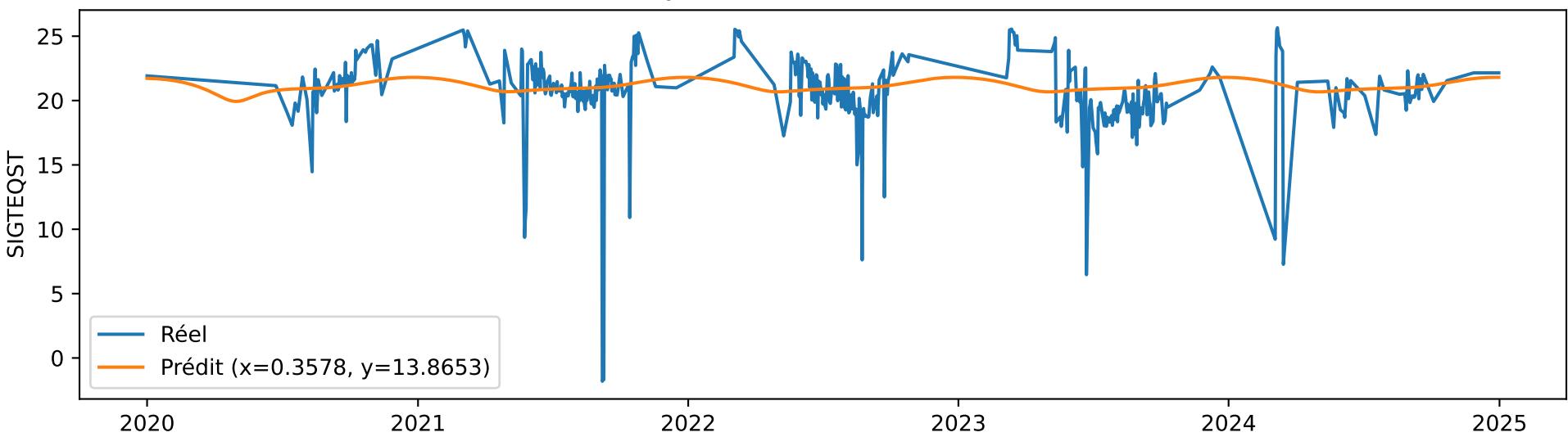
TURBPR01 — RMSE=0.985 R2=0.011



PSALST01 — RMSE=3.214 R2=0.000



SIGTEQST — RMSE=2.631 R2=0.024



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=0.9848, R2=0.0114 ($x=-0.200431$, $y=1.124696$, $R2_{opt}=0.011428$)
- PSALST01: RMSE=3.2144, R2=0.0005 ($x=0.051969$, $y=26.013970$, $R2_{opt}=0.000488$)
- SIGTEQST: RMSE=2.6312, R2=0.0244 ($x=0.357840$, $y=13.865284$, $R2_{opt}=0.024375$)