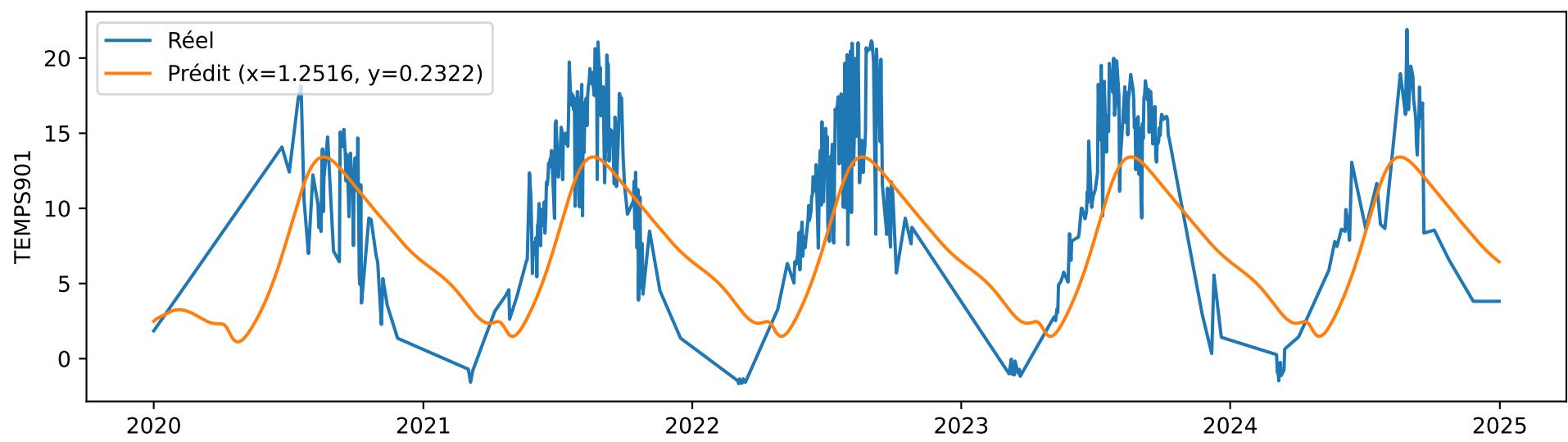
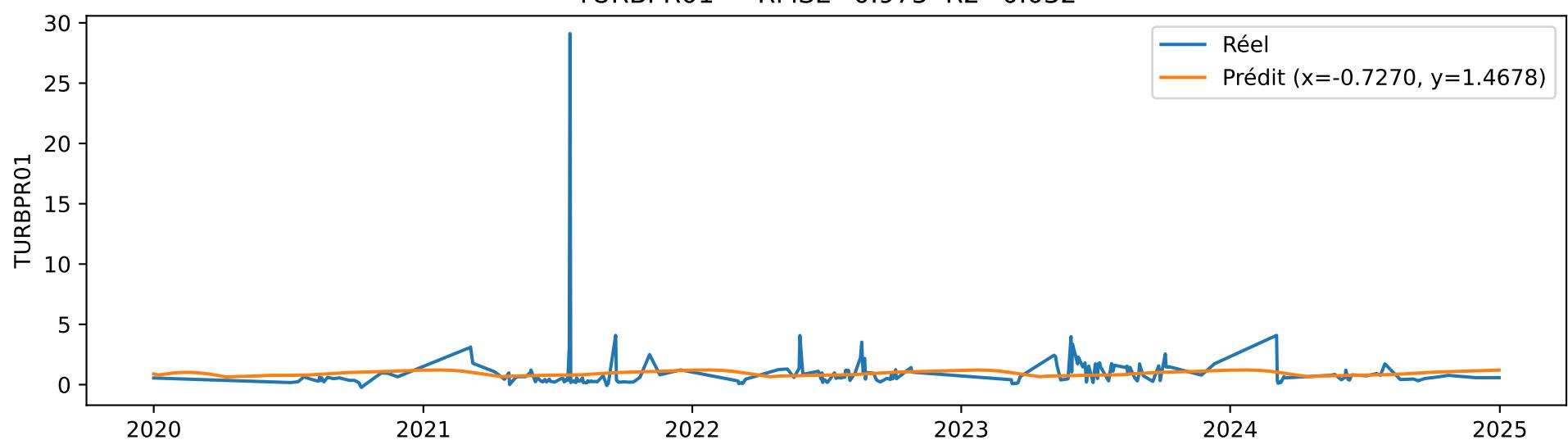


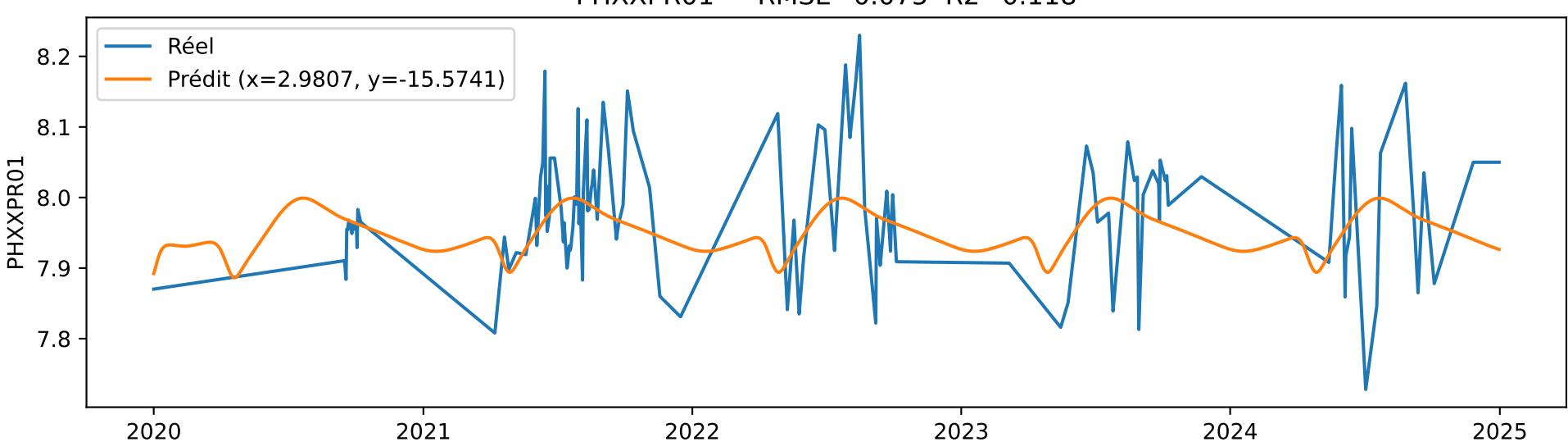
TEMPS901 — RMSE=4.320 R2=0.445



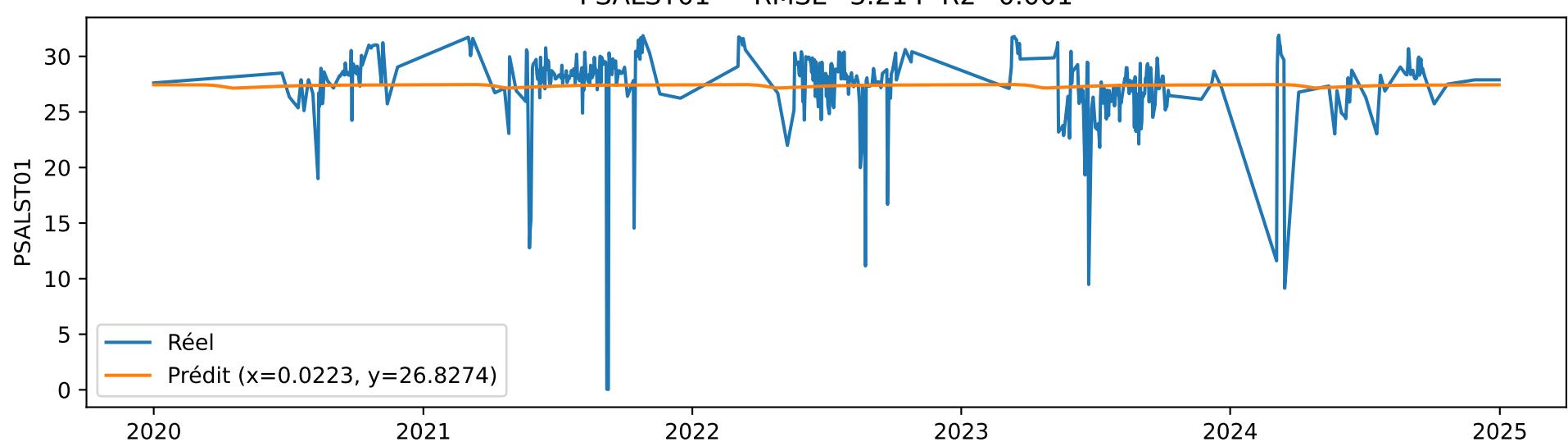
TURBPR01 — RMSE=0.975 R2=0.032



PHXXPR01 — RMSE=0.075 R2=0.118



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) :

- TEMPS901: RMSE=4.3201, R2=0.4445 ( $x=1.251561$ ,  $y=0.232241$ ,  $R2_{opt}=0.444515$ )
- TURBPR01: RMSE=0.9746, R2=0.0319 ( $x=-0.726998$ ,  $y=1.467800$ ,  $R2_{opt}=0.031902$ )
- PHXXPR01: RMSE=0.0751, R2=0.1176 ( $x=2.980686$ ,  $y=-15.574079$ ,  $R2_{opt}=0.117605$ )
- PSALST01: RMSE=3.2140, R2=0.0007 ( $x=0.022327$ ,  $y=26.827404$ ,  $R2_{opt}=0.000744$ )