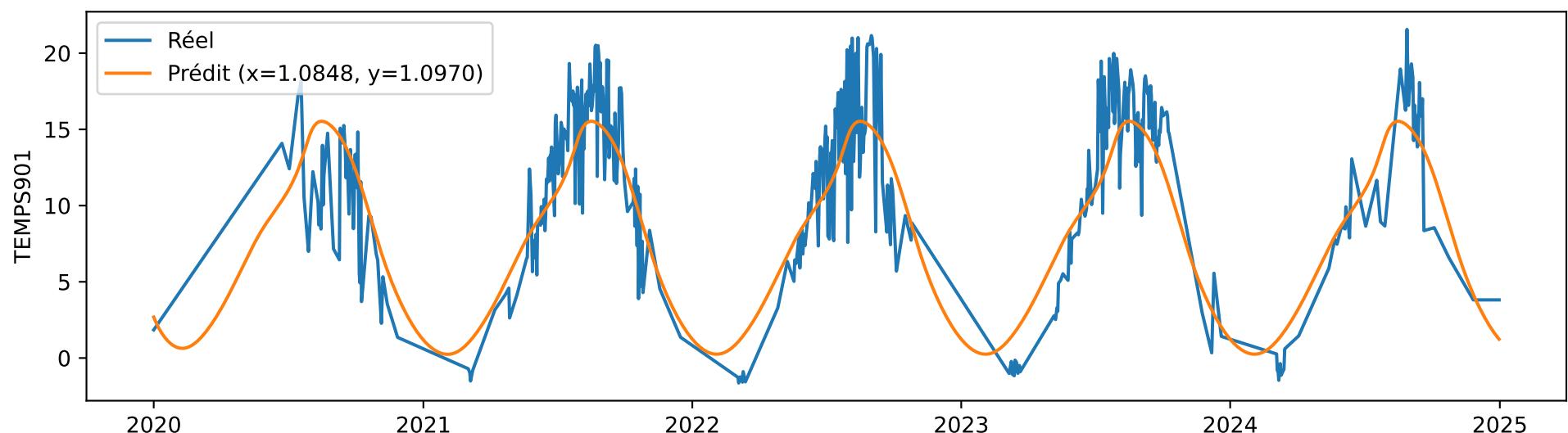
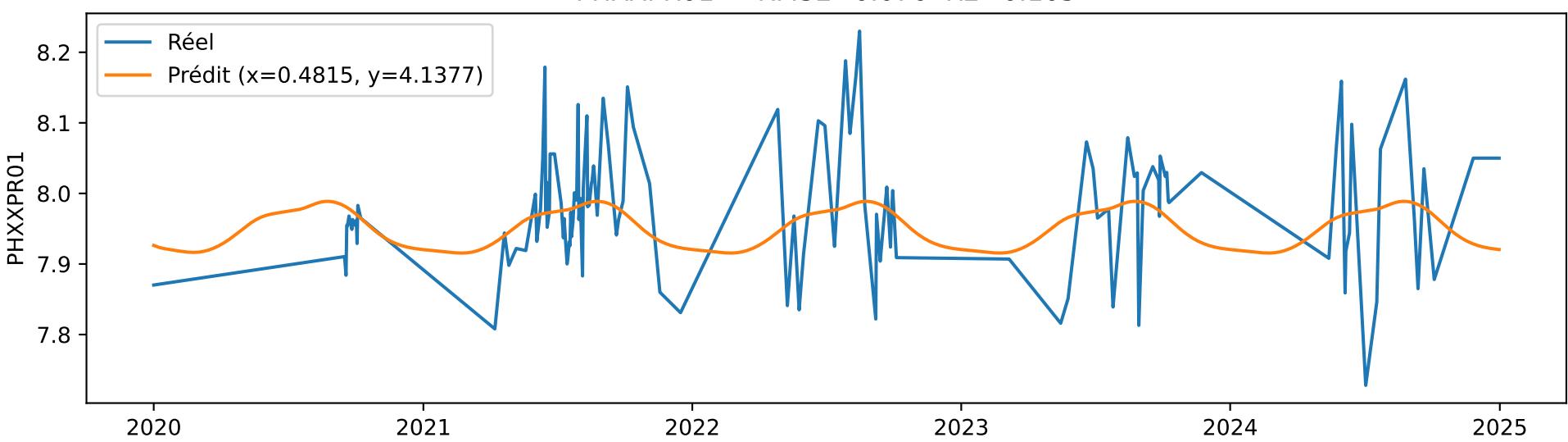


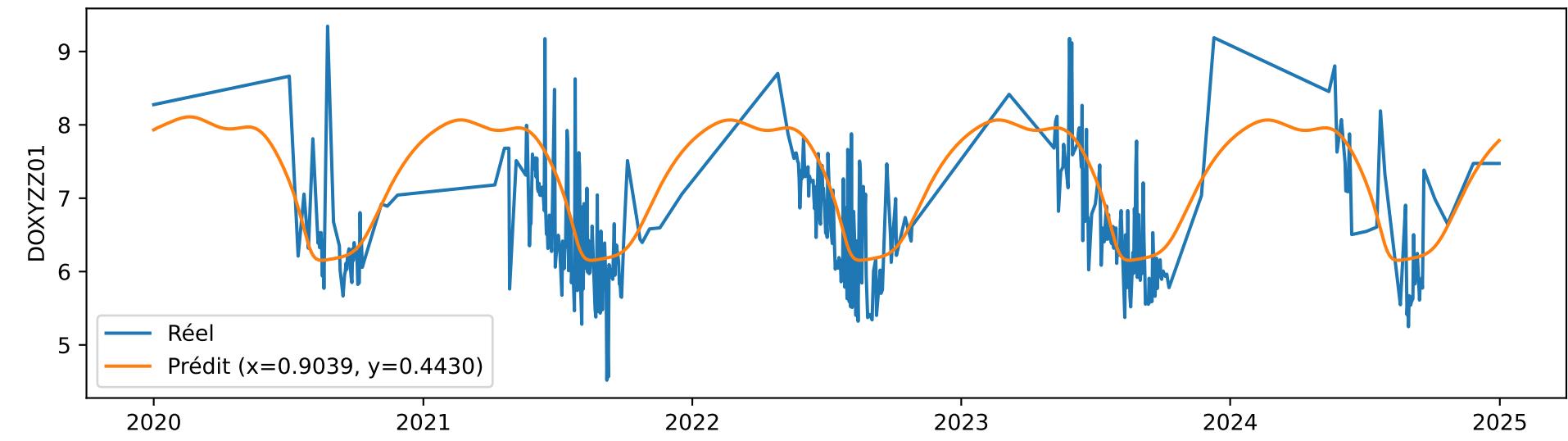
TEMPS901 — RMSE=2.665 R2=0.785



PHXXPR01 — RMSE=0.076 R2=0.105



DOXYZZ01 — RMSE=0.623 R2=0.561



## 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=2.6649, R2=0.7854 ( $x=1.084837$ ,  $y=1.097013$ ,  $R2_{opt}=0.785443$ )
- PHXXPR01: RMSE=0.0755, R2=0.1055 ( $x=0.481491$ ,  $y=4.137663$ ,  $R2_{opt}=0.105497$ )
- DOXYZZ01: RMSE=0.6226, R2=0.5612 ( $x=0.903879$ ,  $y=0.443040$ ,  $R2_{opt}=0.561177$ )