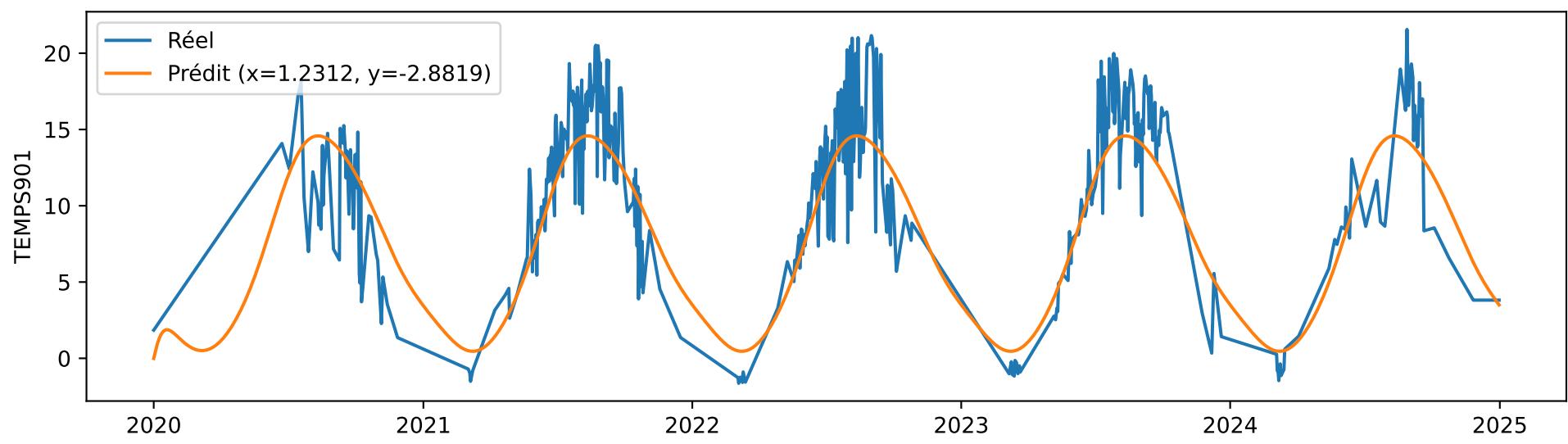
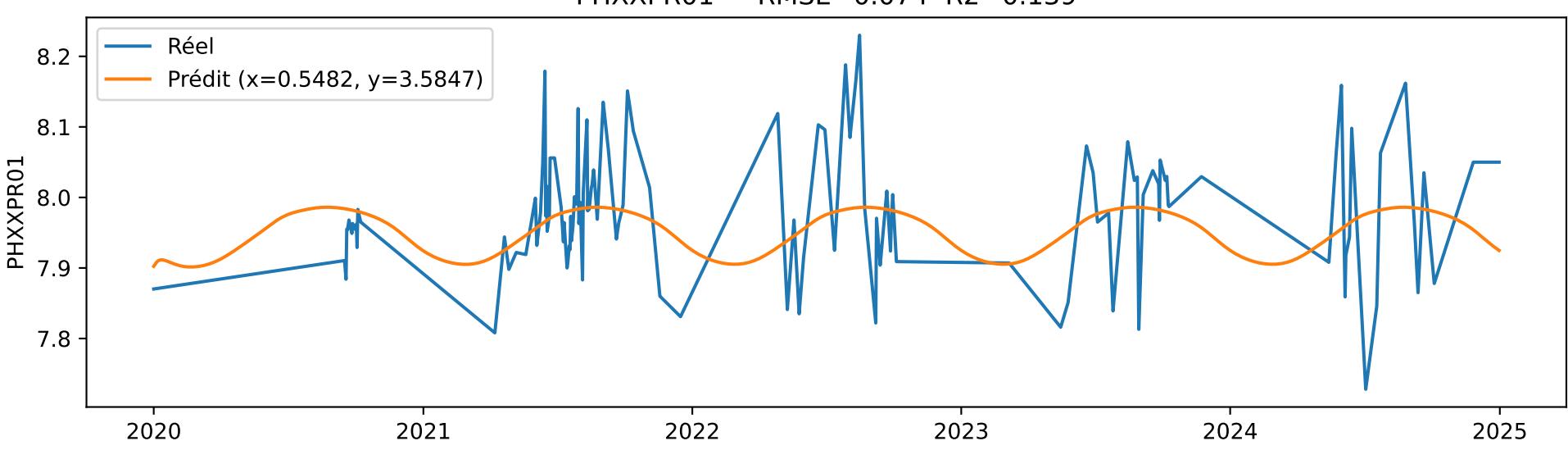


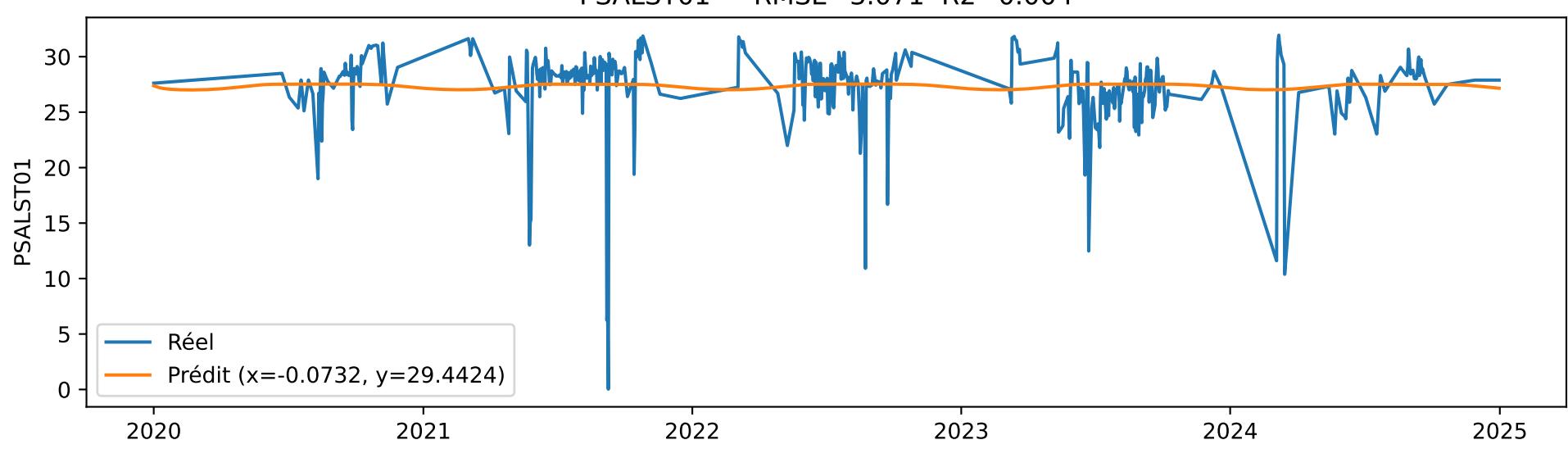
TEMPS901 — RMSE=2.923 R2=0.742



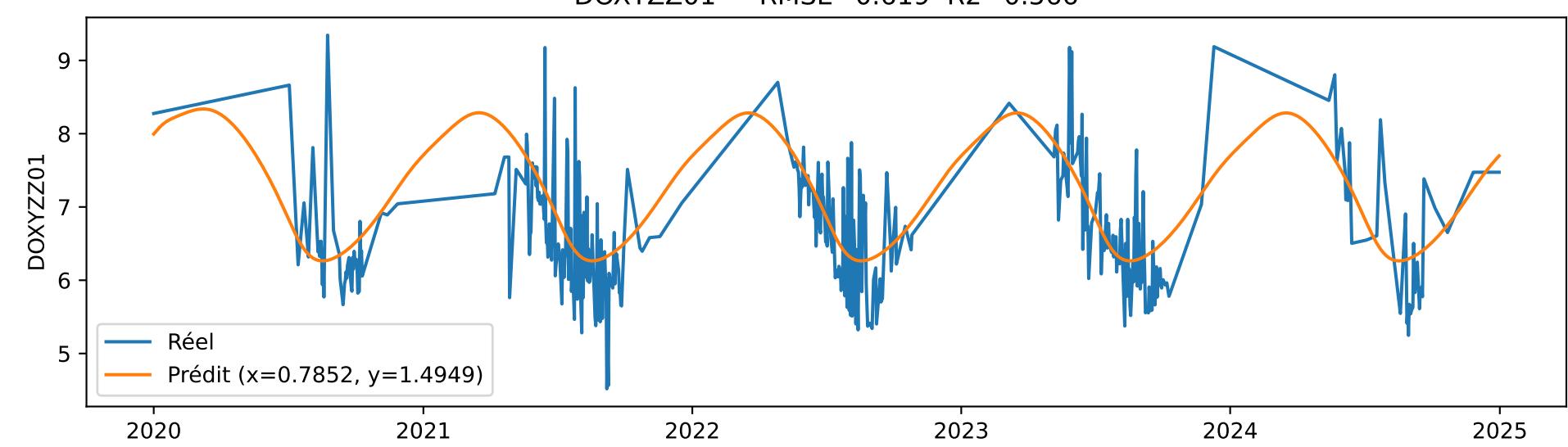
PHXXPR01 — RMSE=0.074 R2=0.139



PSALST01 — RMSE=3.071 R2=0.004



DOXYZZ01 — RMSE=0.619 R2=0.566



## 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=2.9227, R2=0.7419 ( $x=1.231225$ ,  $y=-2.881902$ ,  $R2_{opt}=0.741917$ )
- PHXXPR01: RMSE=0.0741, R2=0.1387 ( $x=0.548208$ ,  $y=3.584678$ ,  $R2_{opt}=0.138652$ )
- PSALST01: RMSE=3.0709, R2=0.0040 ( $x=-0.073232$ ,  $y=29.442398$ ,  $R2_{opt}=0.004010$ )
- DOXYZZ01: RMSE=0.6191, R2=0.5662 ( $x=0.785154$ ,  $y=1.494873$ ,  $R2_{opt}=0.566187$ )