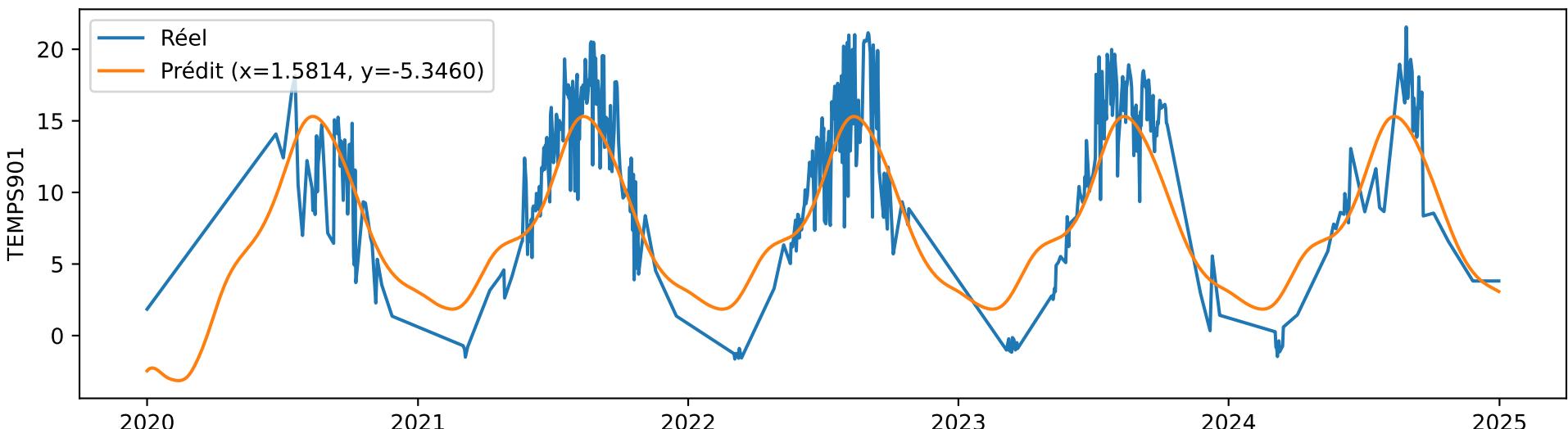
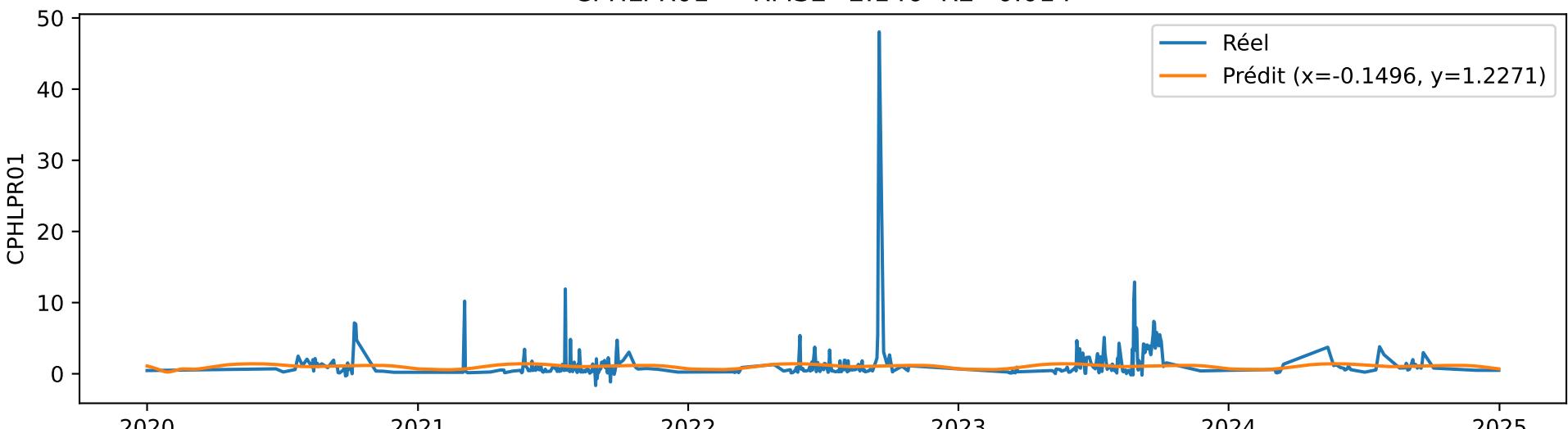


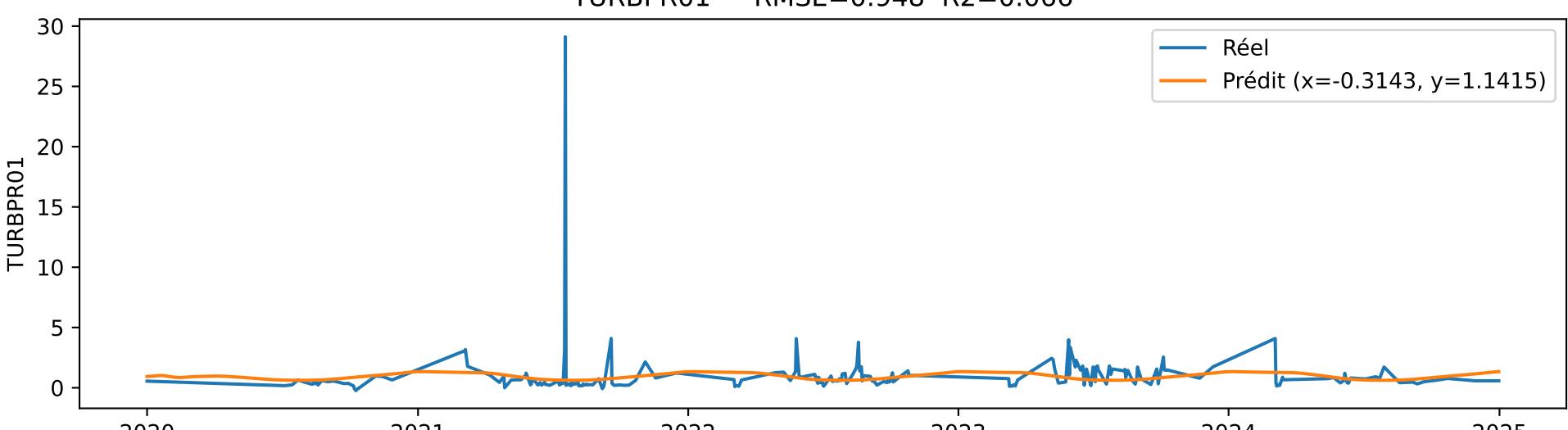
TEMPS901 — RMSE=3.285 R2=0.674



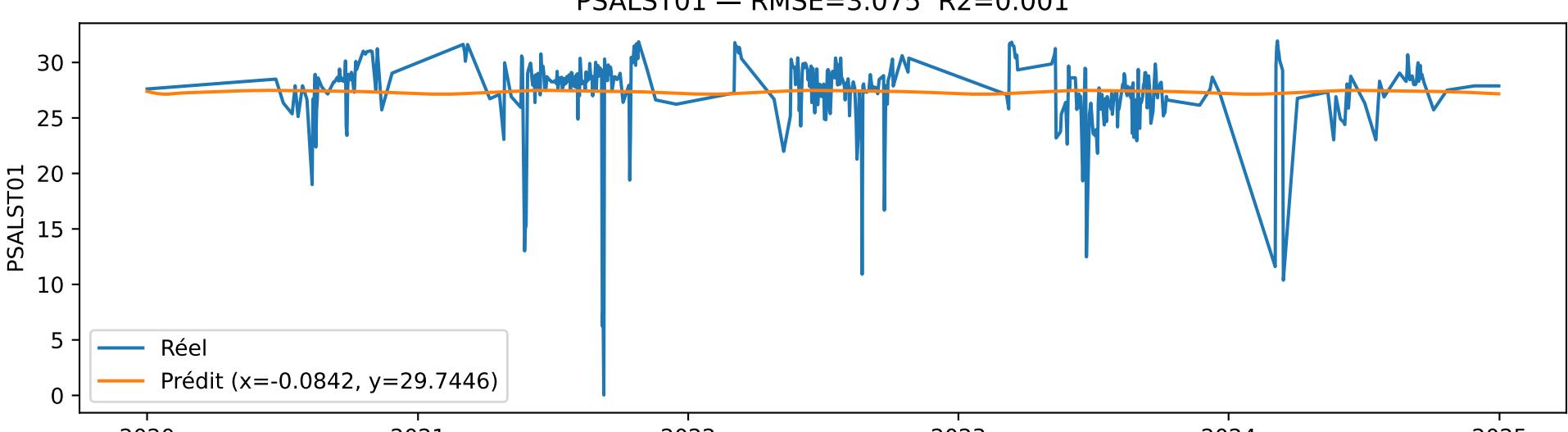
CPHLPR01 — RMSE=2.146 R2=0.014



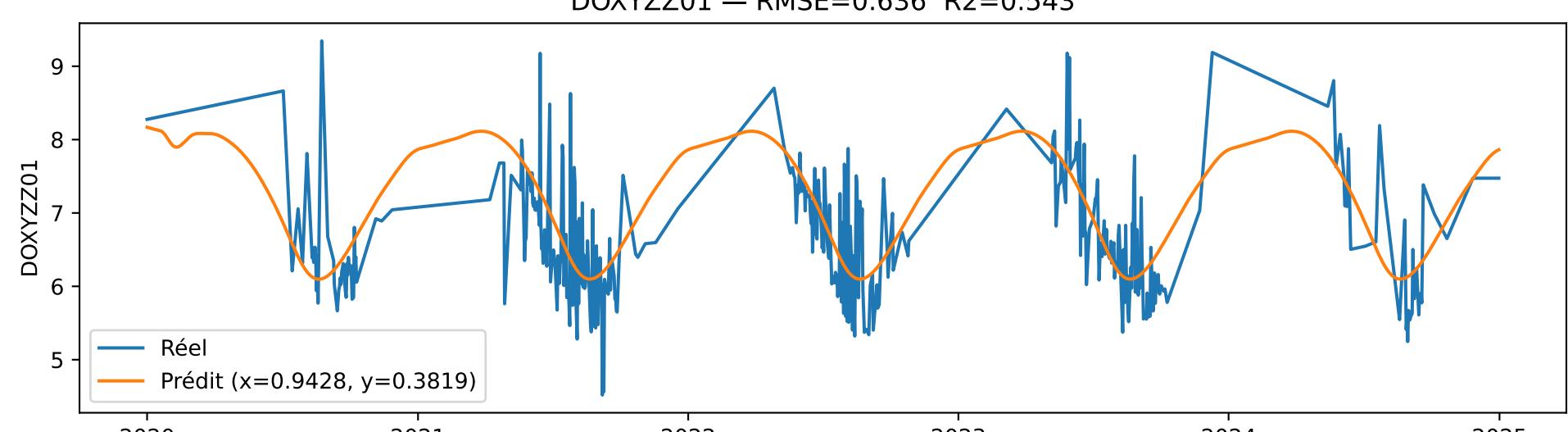
TURBPR01 — RMSE=0.948 R2=0.066



PSALST01 — RMSE=3.075 R2=0.001



DOXYZZ01 — RMSE=0.636 R2=0.543



## 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=3.2853, R2=0.6739 ( $x=1.581404$ ,  $y=-5.345950$ ,  $R2_{opt}=0.673910$ )
- CPHLPR01: RMSE=2.1460, R2=0.0141 ( $x=-0.149589$ ,  $y=1.227075$ ,  $R2_{opt}=0.014119$ )
- TURBPR01: RMSE=0.9478, R2=0.0658 ( $x=-0.314255$ ,  $y=1.141548$ ,  $R2_{opt}=0.065839$ )
- PSALST01: RMSE=3.0750, R2=0.0013 ( $x=-0.084228$ ,  $y=29.744589$ ,  $R2_{opt}=0.001336$ )
- DOXYZZ01: RMSE=0.6357, R2=0.5425 ( $x=0.942825$ ,  $y=0.381905$ ,  $R2_{opt}=0.542506$ )