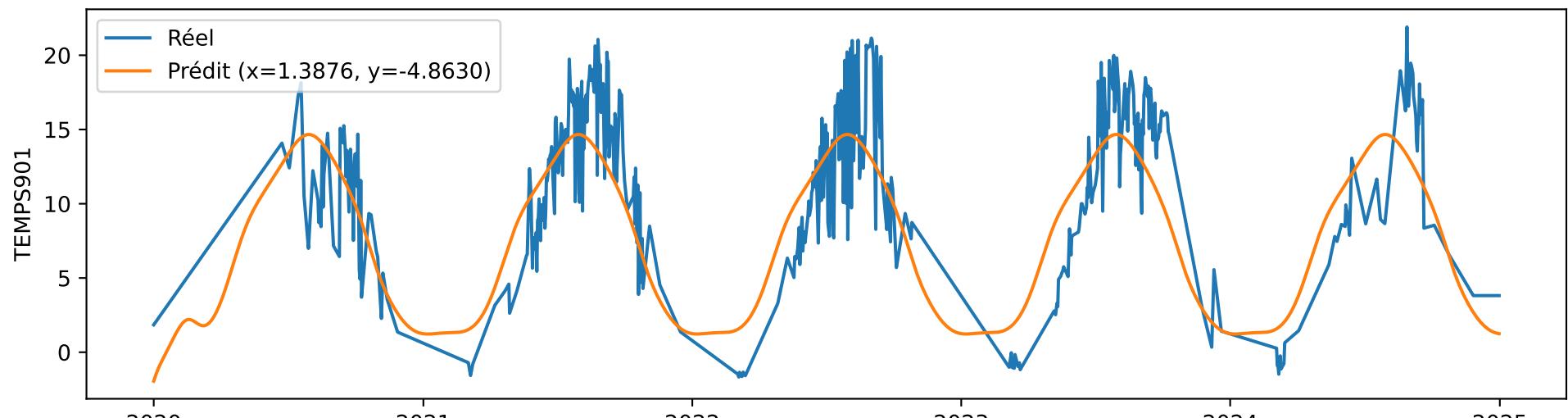
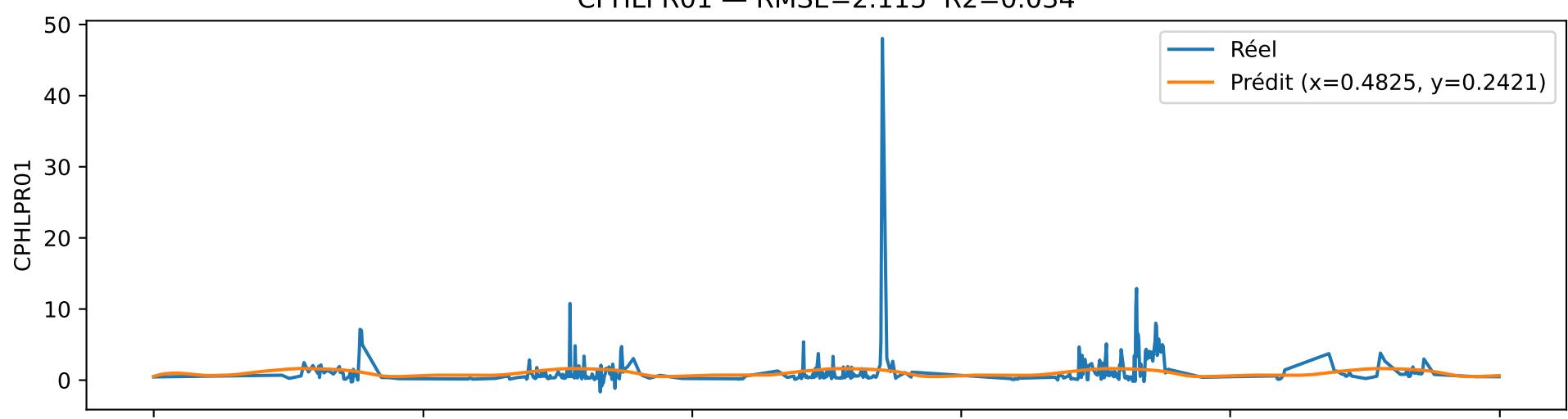


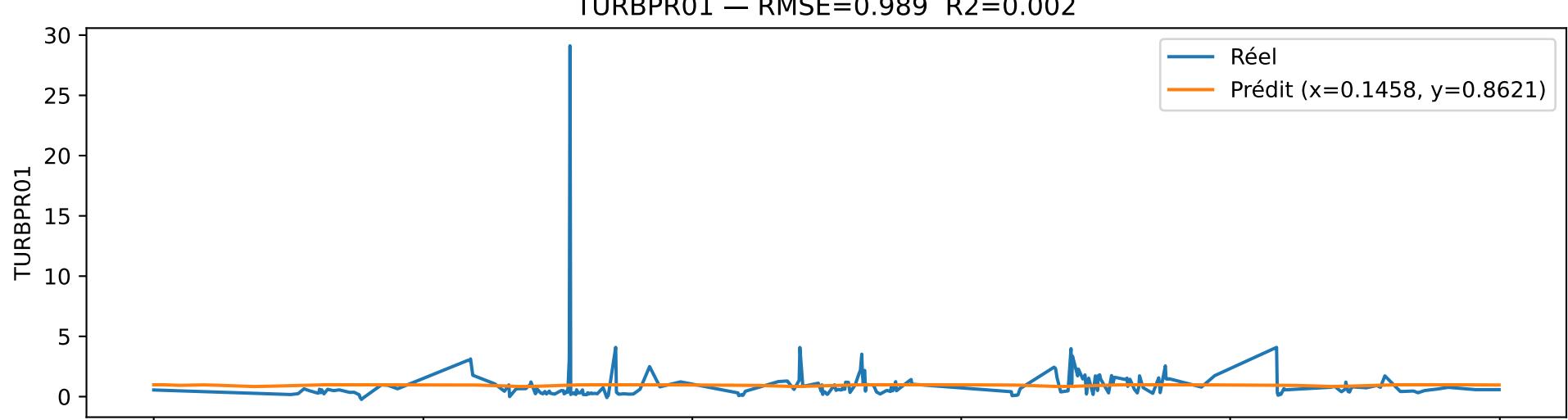
TEMPS901 — RMSE=3.013 R2=0.730



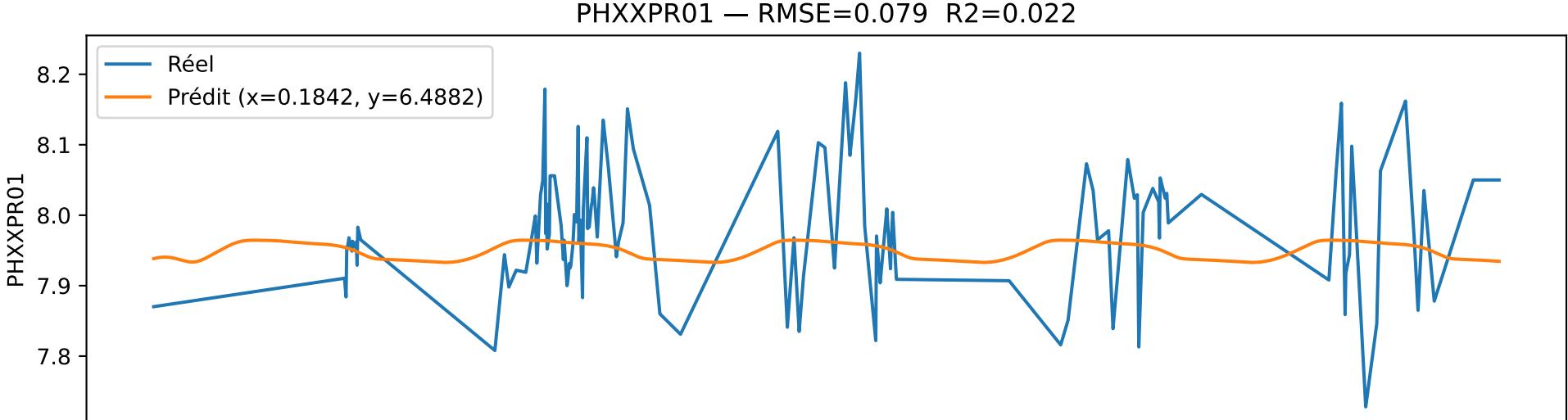
CPHLPR01 — RMSE=2.115 R2=0.034



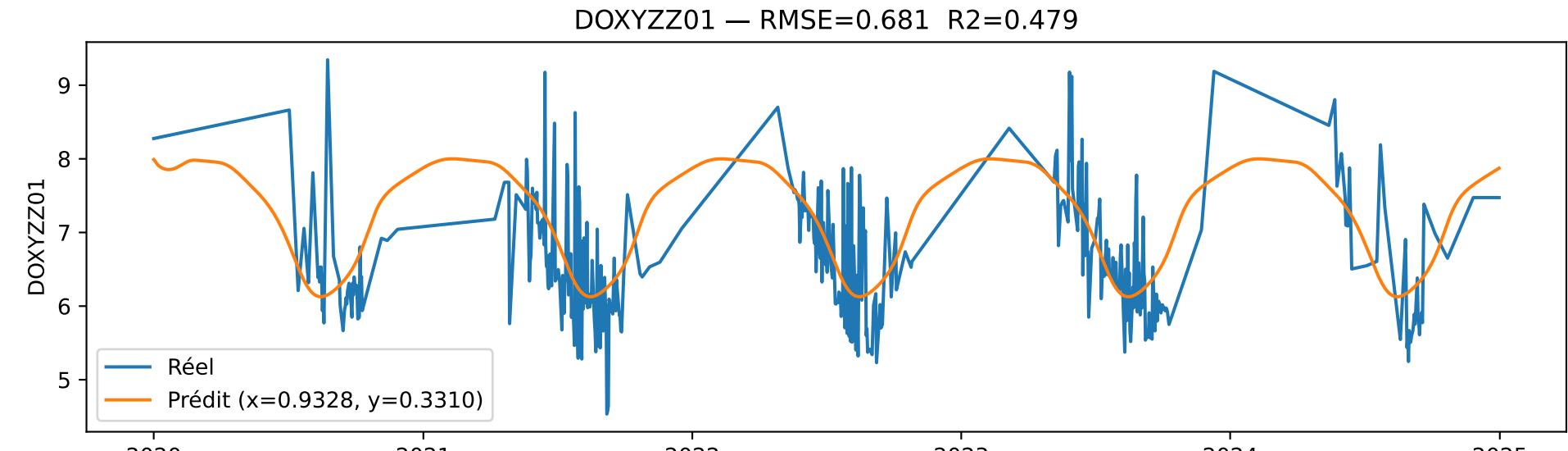
TURBPR01 — RMSE=0.989 R2=0.002



PHXXPR01 — RMSE=0.079 R2=0.022



DOXYZZ01 — RMSE=0.681 R2=0.479



## 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=3.0130, R2=0.7298 ( $x=1.387551$ ,  $y=-4.862981$ ,  $R2_{opt}=0.729795$ )
- CPHLPR01: RMSE=2.1150, R2=0.0337 ( $x=0.482454$ ,  $y=0.242121$ ,  $R2_{opt}=0.033691$ )
- TURBPR01: RMSE=0.9894, R2=0.0022 ( $x=0.145752$ ,  $y=0.862140$ ,  $R2_{opt}=0.002232$ )
- PHXXPR01: RMSE=0.0791, R2=0.0218 ( $x=0.184183$ ,  $y=6.488215$ ,  $R2_{opt}=0.021798$ )
- DOXYZZ01: RMSE=0.6815, R2=0.4791 ( $x=0.932833$ ,  $y=0.330999$ ,  $R2_{opt}=0.479054$ )