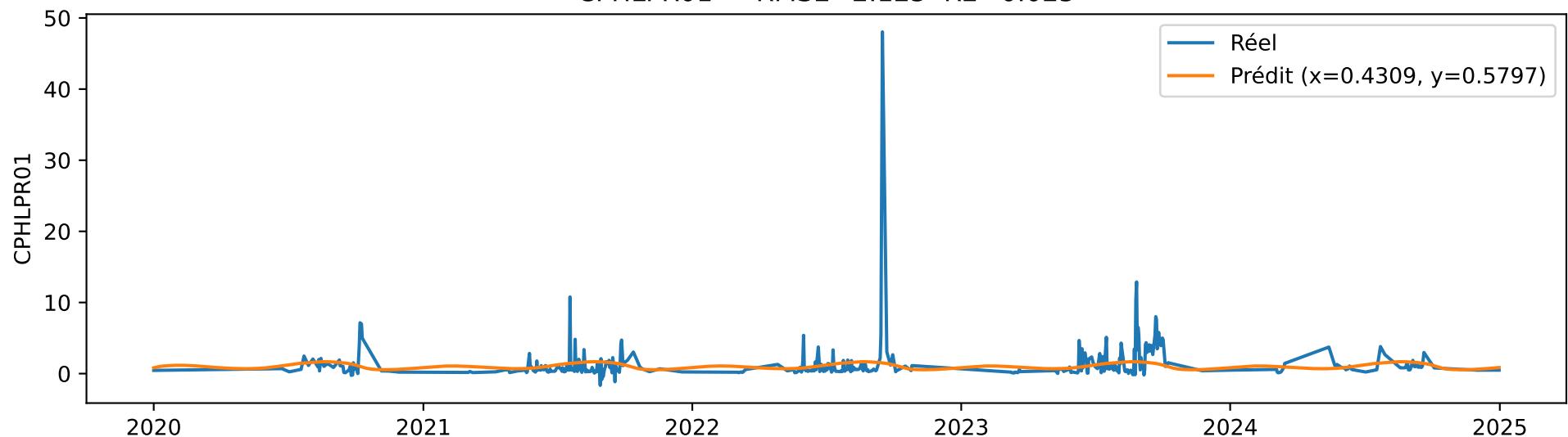
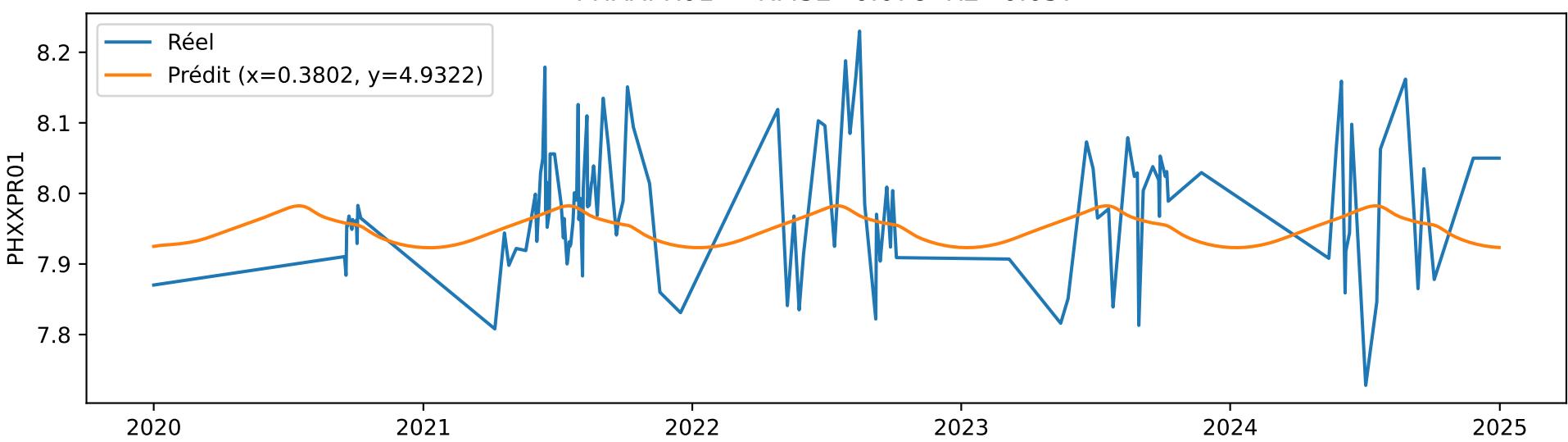


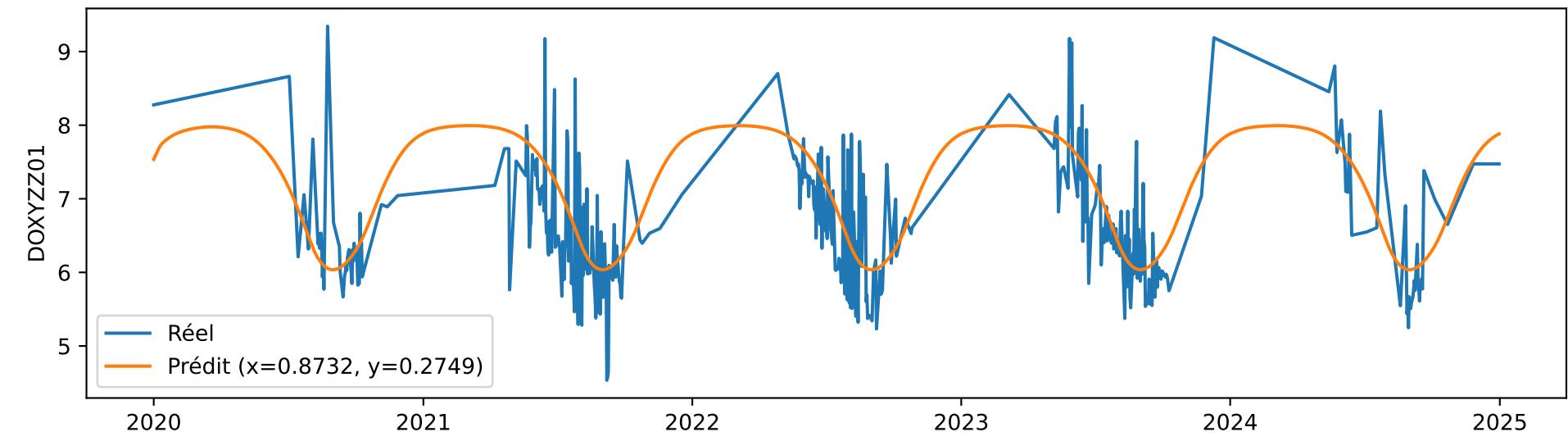
CPHLPR01 — RMSE=2.125 R2=0.025



PHXXPR01 — RMSE=0.078 R2=0.057



DOXYZZ01 — RMSE=0.641 R2=0.539



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) :

- CPHLPR01: RMSE=2.1245, R2=0.0250 ($x=0.430949$, $y=0.579654$, $R2_{opt}=0.025020$)
- PHXXPR01: RMSE=0.0777, R2=0.0566 ($x=0.380234$, $y=4.932167$, $R2_{opt}=0.056564$)
- DOXYZZ01: RMSE=0.6408, R2=0.5395 ($x=0.873172$, $y=0.274939$, $R2_{opt}=0.539477$)