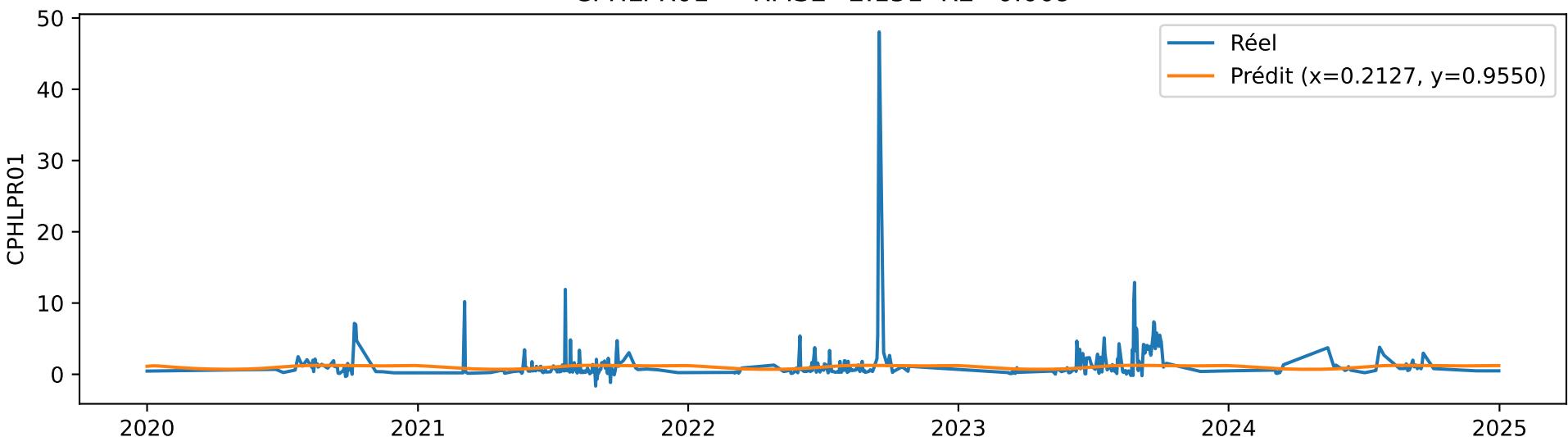
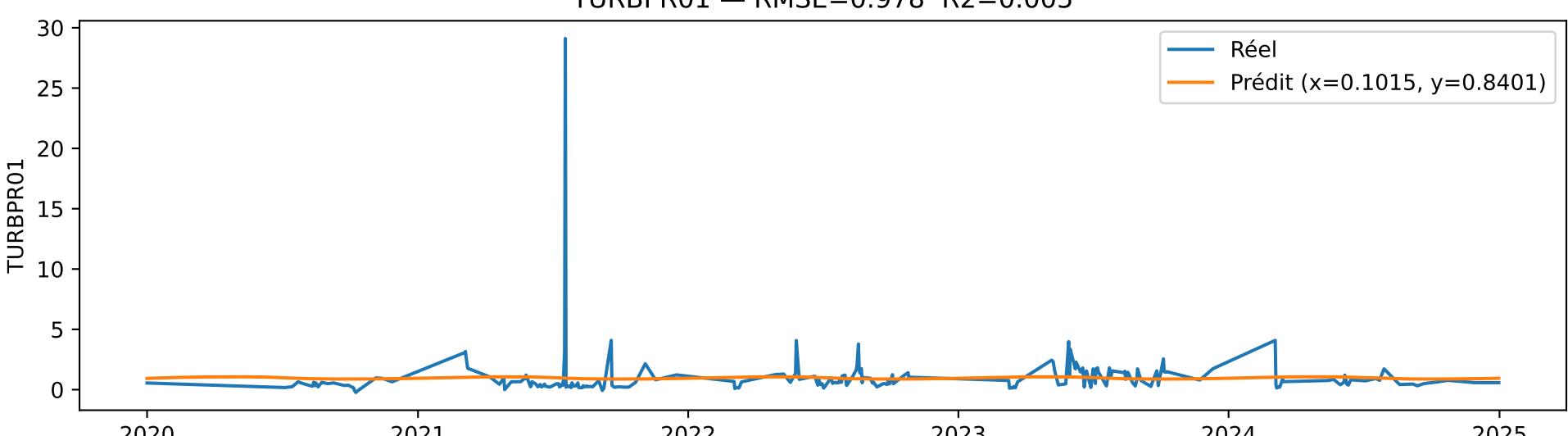


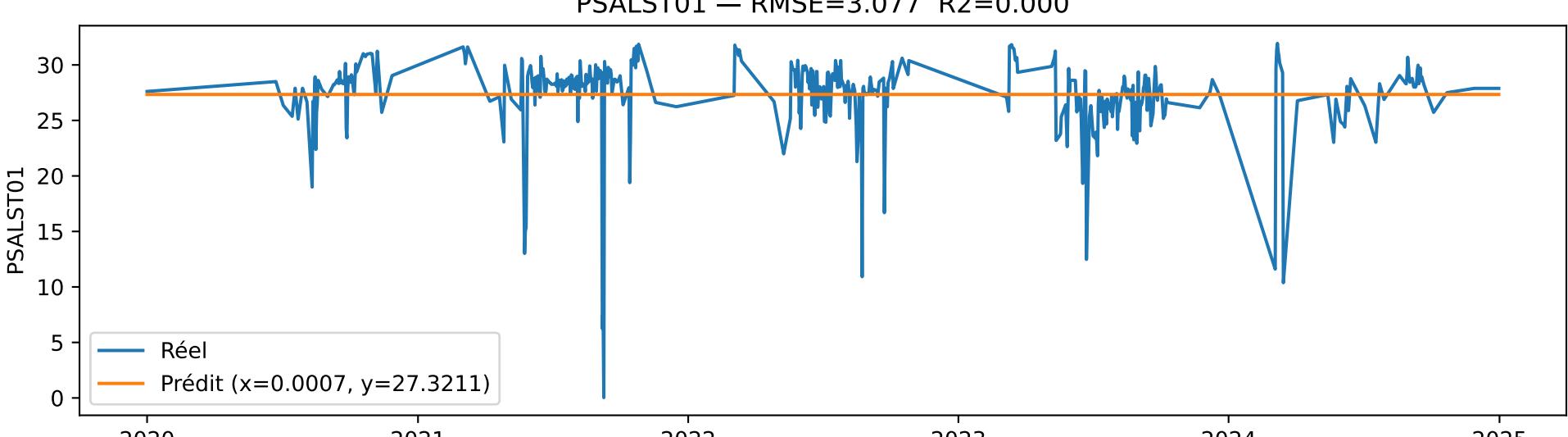
CPHLPR01 — RMSE=2.151 R2=0.009



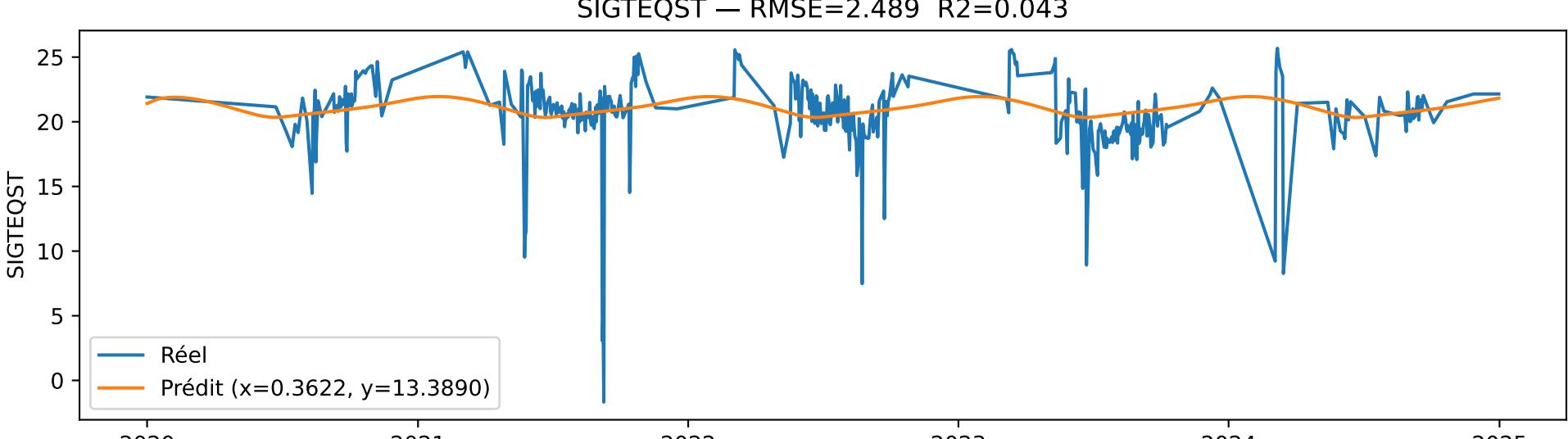
TURBPR01 — RMSE=0.978 R2=0.005



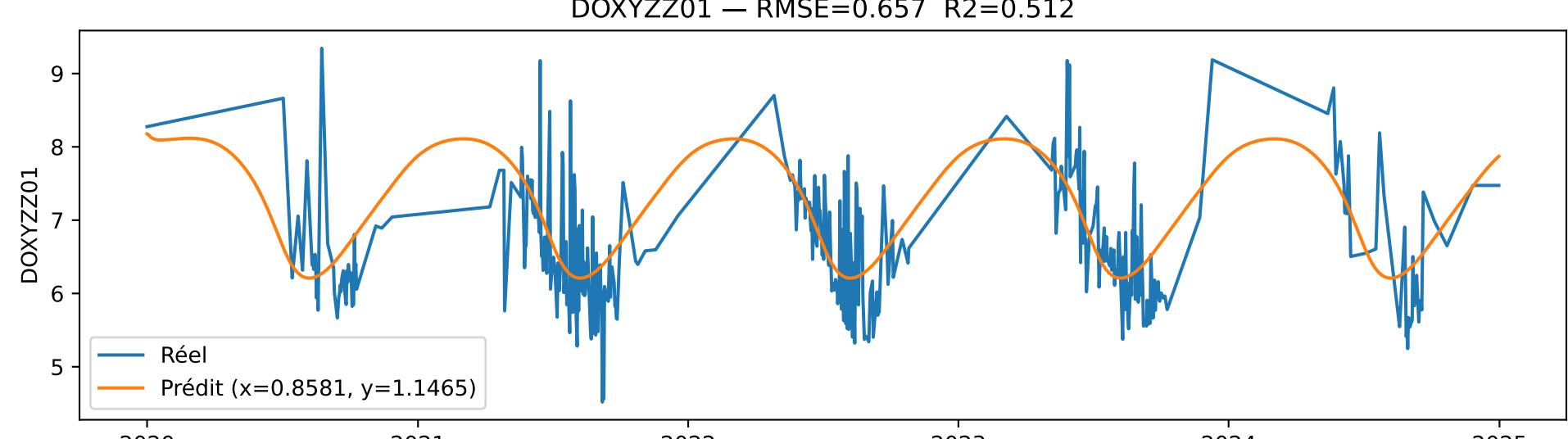
PSALST01 — RMSE=3.077 R2=0.000



SIGTEQST — RMSE=2.489 R2=0.043



DOXYZZ01 — RMSE=0.657 R2=0.512



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=2.1514, R2=0.0092 ($x=0.212676$, $y=0.955012$, $R2_{opt}=0.009160$)
- TURBPR01: RMSE=0.9780, R2=0.0054 ($x=0.101502$, $y=0.840057$, $R2_{opt}=0.005359$)
- PSALST01: RMSE=3.0771, R2=0.0000 ($x=0.000661$, $y=27.321141$, $R2_{opt}=0.000000$)
- SIGTEQST: RMSE=2.4891, R2=0.0426 ($x=0.362198$, $y=13.388980$, $R2_{opt}=0.042595$)
- DOXYZZ01: RMSE=0.6567, R2=0.5118 ($x=0.858079$, $y=1.146510$, $R2_{opt}=0.511812$)