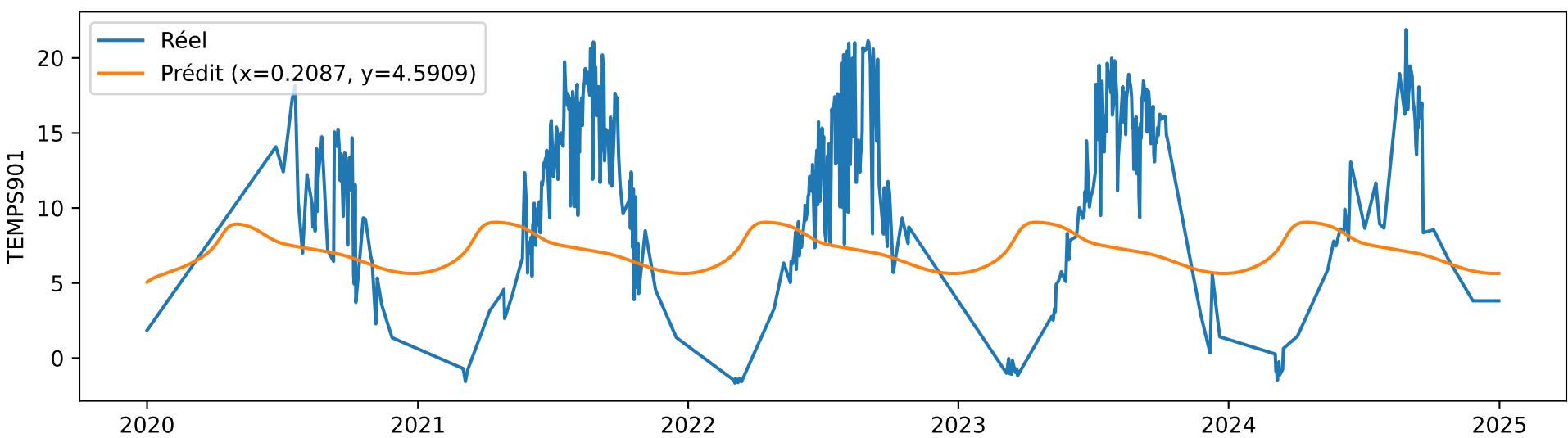
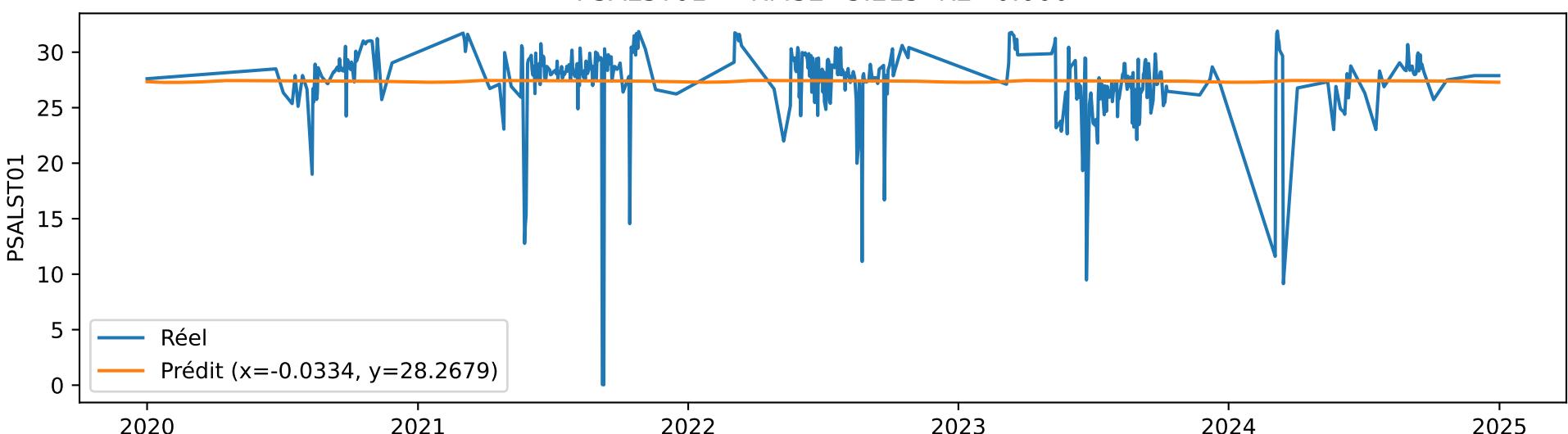


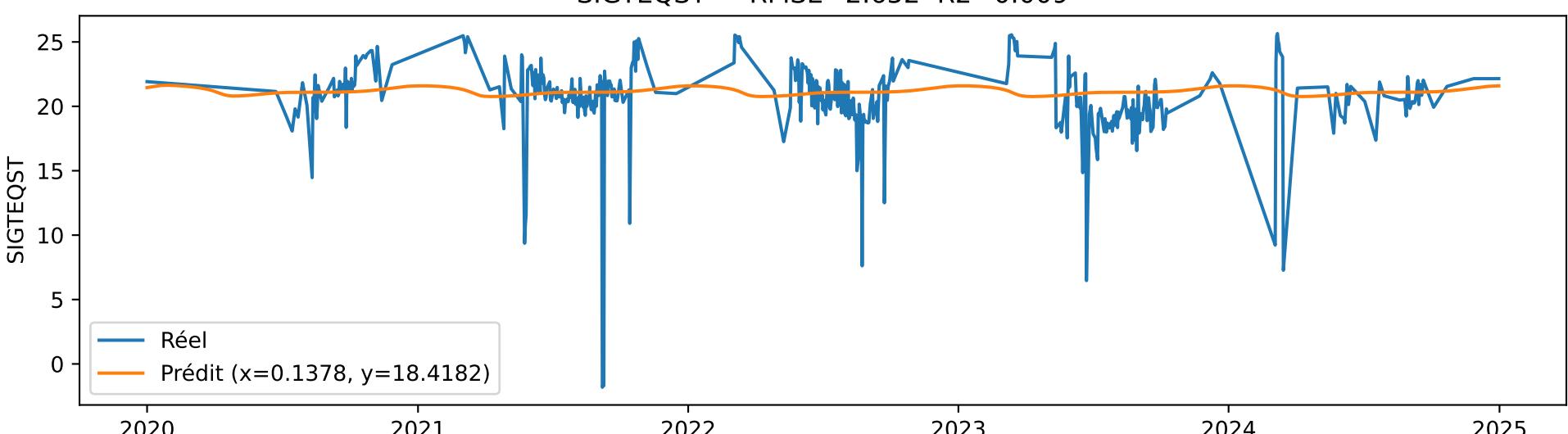
TEMPS901 — RMSE=5.690 R2=0.036



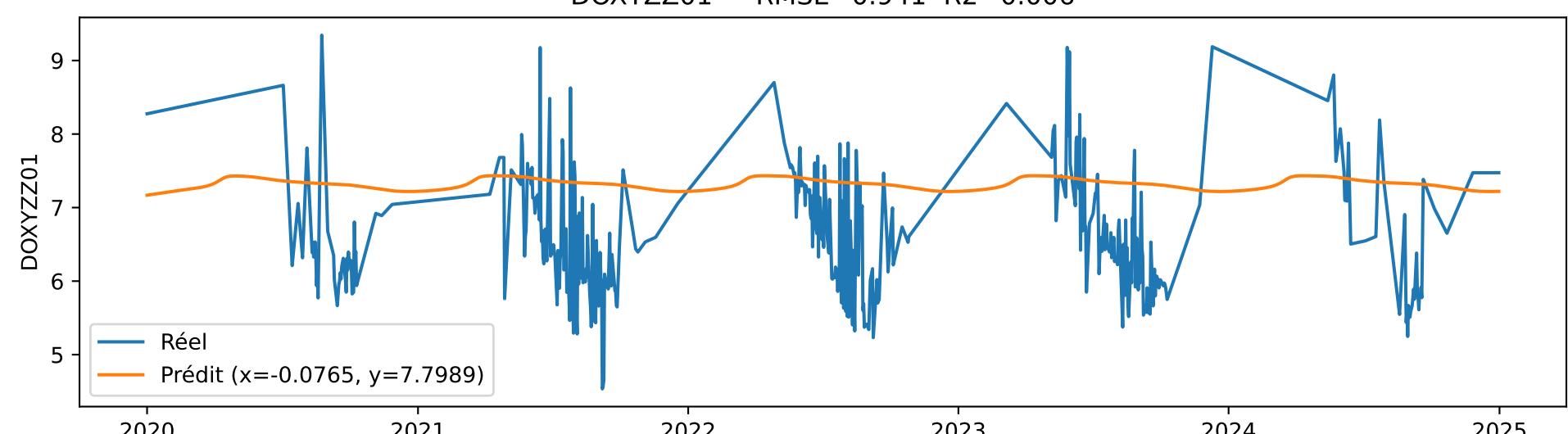
PSALST01 — RMSE=3.215 R2=0.000



SIGTEQST — RMSE=2.652 R2=0.009



DOXYZZ01 — RMSE=0.941 R2=0.006



## 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=5.6900, R2=0.0364 ( $x=0.208740$ ,  $y=4.590909$ ,  $R2_{opt}=0.036354$ )
- PSALST01: RMSE=3.2148, R2=0.0003 ( $x=-0.033377$ ,  $y=28.267942$ ,  $R2_{opt}=0.000253$ )
- SIGTEQST: RMSE=2.6515, R2=0.0093 ( $x=0.137804$ ,  $y=18.418233$ ,  $R2_{opt}=0.009283$ )
- DOXYZZ01: RMSE=0.9414, R2=0.0058 ( $x=-0.076489$ ,  $y=7.798851$ ,  $R2_{opt}=0.005840$ )