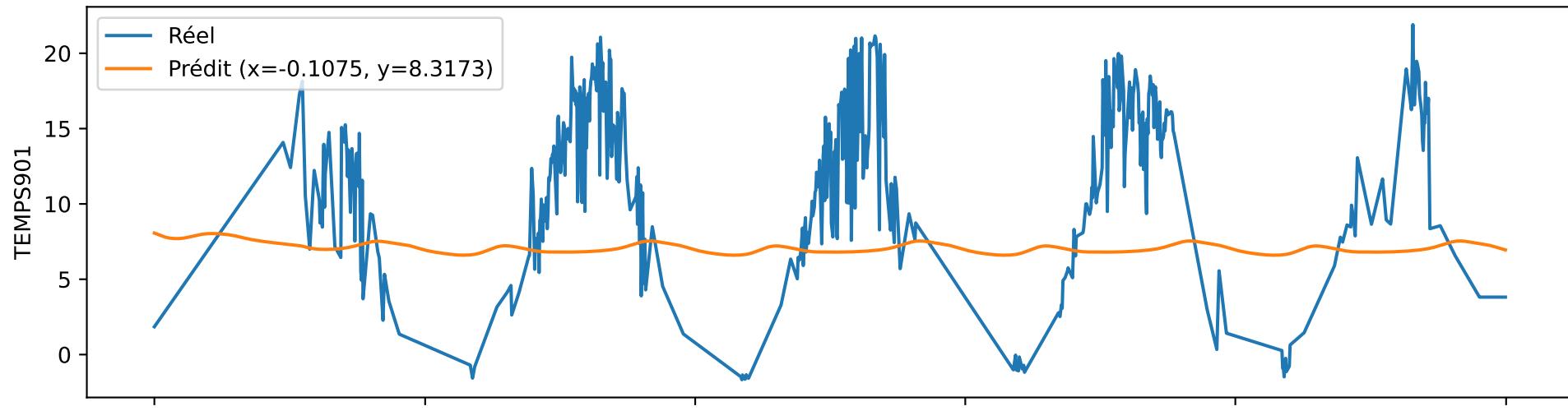
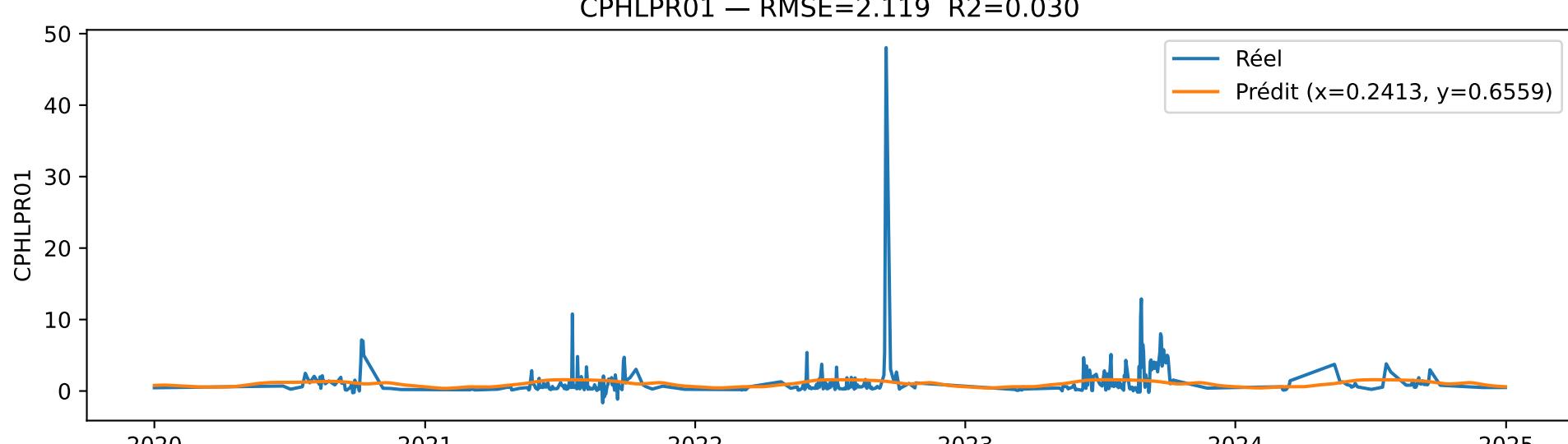


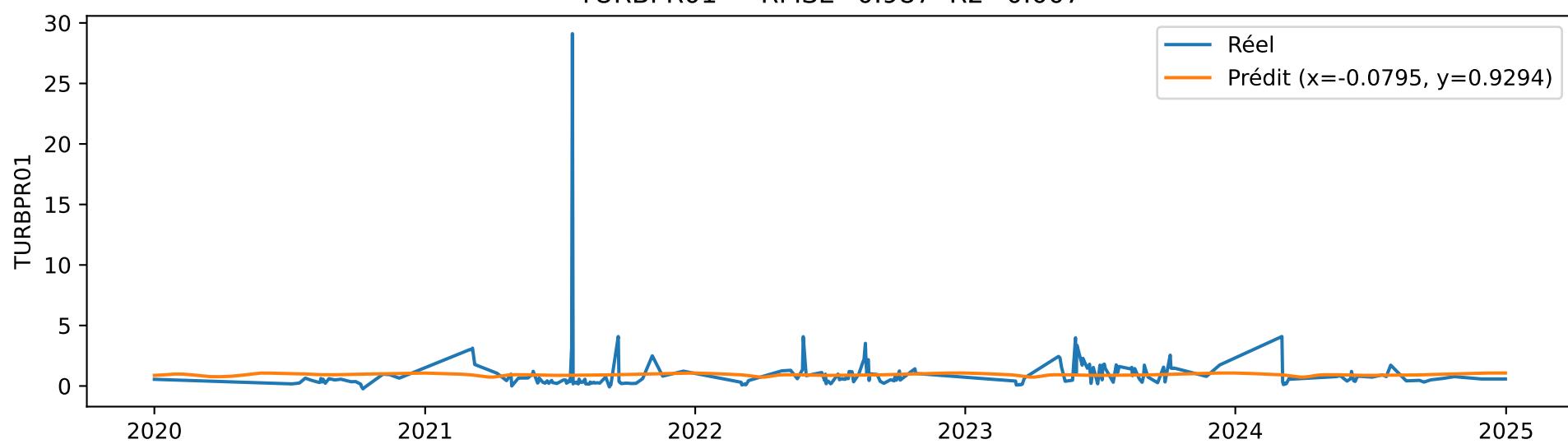
TEMPS901 — RMSE=5.786 R2=0.003



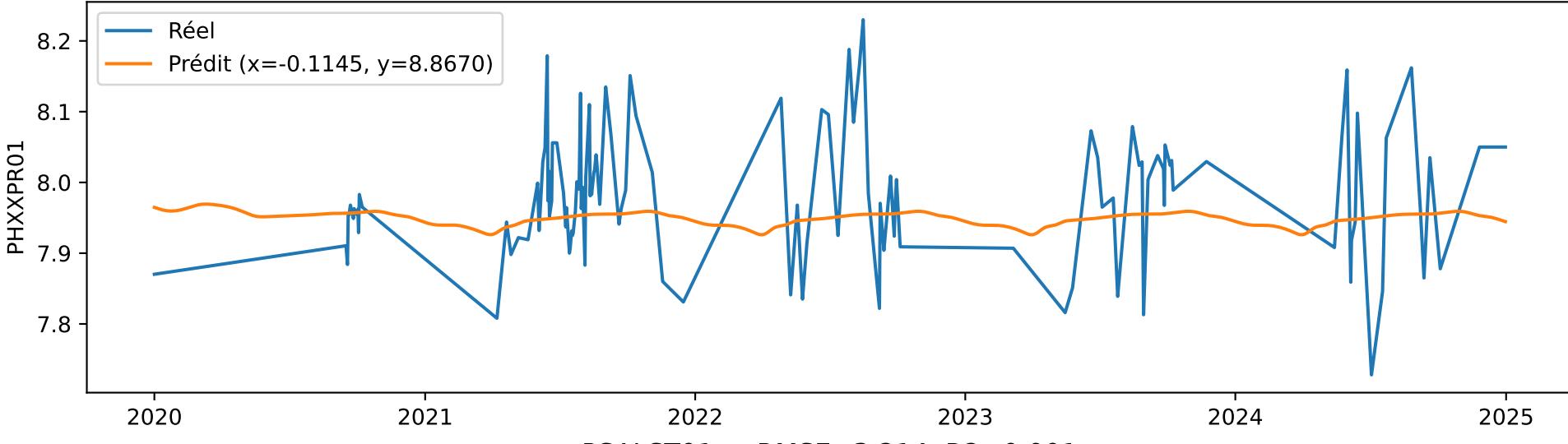
CPHLPR01 — RMSE=2.119 R2=0.030



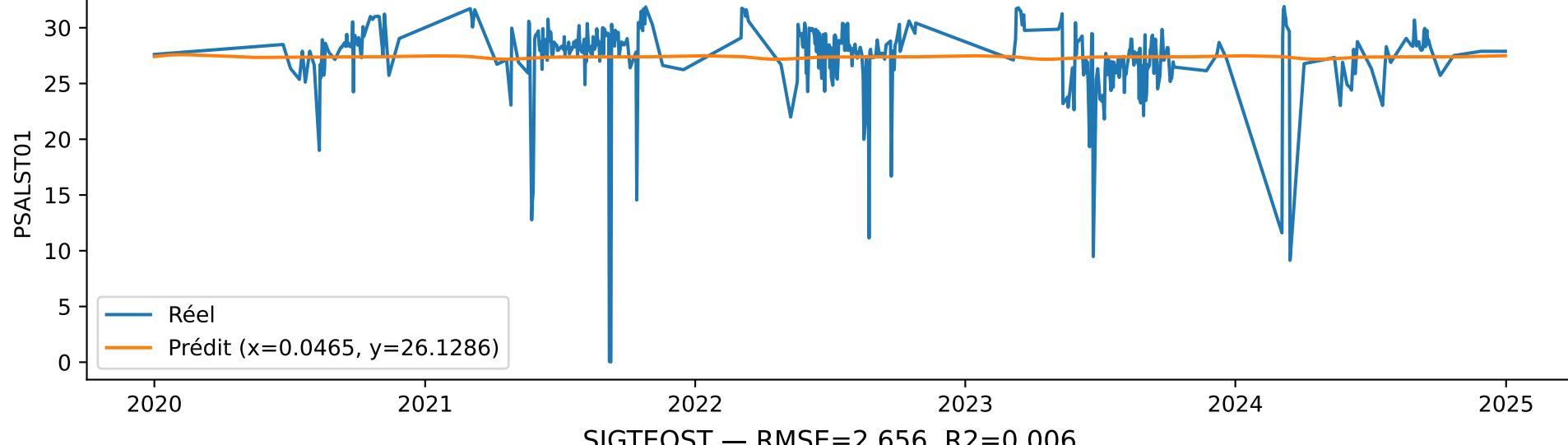
TURBPR01 — RMSE=0.987 R2=0.007



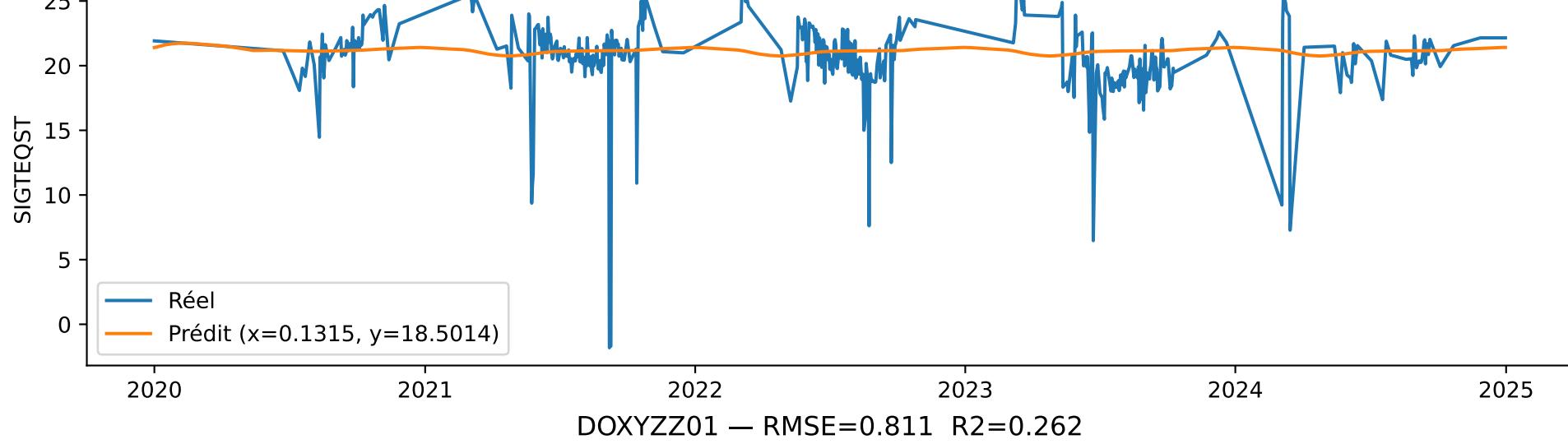
PHXXPR01 — RMSE=0.079 R2=0.014



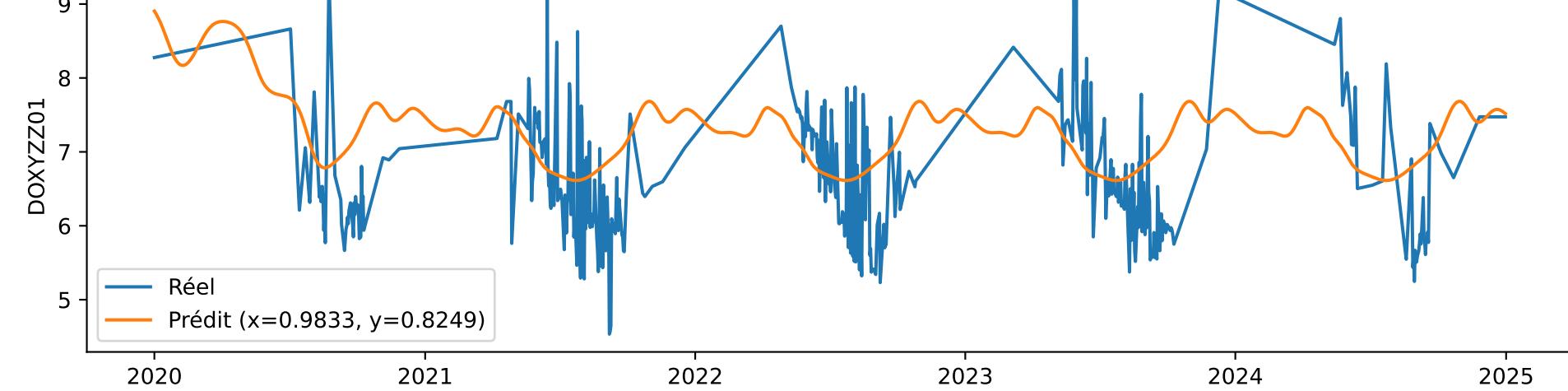
PSALST01 — RMSE=3.214 R2=0.001



SIGTEQST — RMSE=2.656 R2=0.006



DOXYZZ01 — RMSE=0.811 R2=0.262



## 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=5.7863, R2=0.0035 ( $x=-0.107544$ ,  $y=8.317285$ ,  $R2_{opt}=0.003466$ )
- CPHLPR01: RMSE=2.1189, R2=0.0301 ( $x=0.241306$ ,  $y=0.655943$ ,  $R2_{opt}=0.030142$ )
- TURBPR01: RMSE=0.9868, R2=0.0074 ( $x=-0.079505$ ,  $y=0.929384$ ,  $R2_{opt}=0.007416$ )
- PHXXPR01: RMSE=0.0794, R2=0.0139 ( $x=-0.114548$ ,  $y=8.866953$ ,  $R2_{opt}=0.013917$ )
- PSALST01: RMSE=3.2140, R2=0.0007 ( $x=0.046458$ ,  $y=26.128605$ ,  $R2_{opt}=0.000728$ )
- SIGTEQST: RMSE=2.6560, R2=0.0060 ( $x=0.131475$ ,  $y=18.501370$ ,  $R2_{opt}=0.005955$ )
- DOXYZZ01: RMSE=0.8112, R2=0.2619 ( $x=0.983257$ ,  $y=0.824943$ ,  $R2_{opt}=0.261938$ )