

N-BEATS Multivariable — Resumen

Archivo: data/weatherHistory_normalize.csv

Tiempo: Formatted Date | Objetivo: Temperature (C)_normalized

Features (20): ['Temperature (C)_normalized', 'h_sin', 'h_cos', 'dow_sin', 'dow_cos', 'doy_sin', 'doy_cos', 'Precip

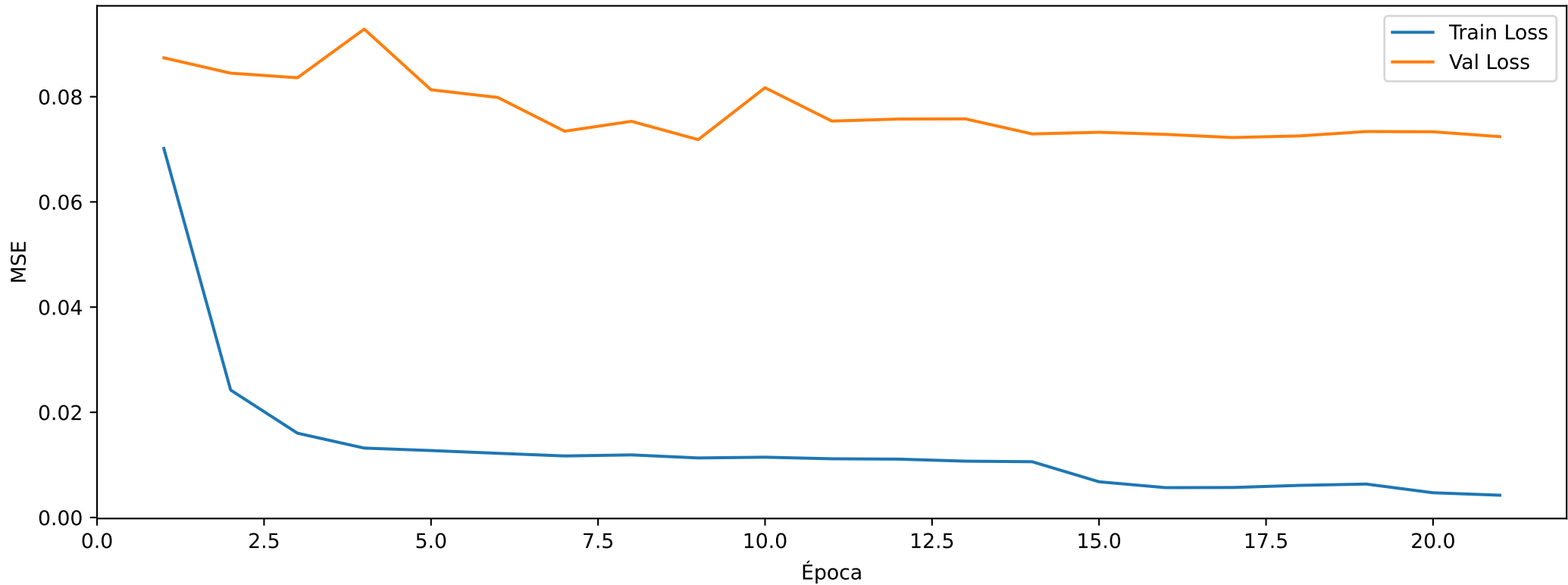
Puntos totales: 96453

Split → Train: 67517 | Val: 14468 | Test: 14468

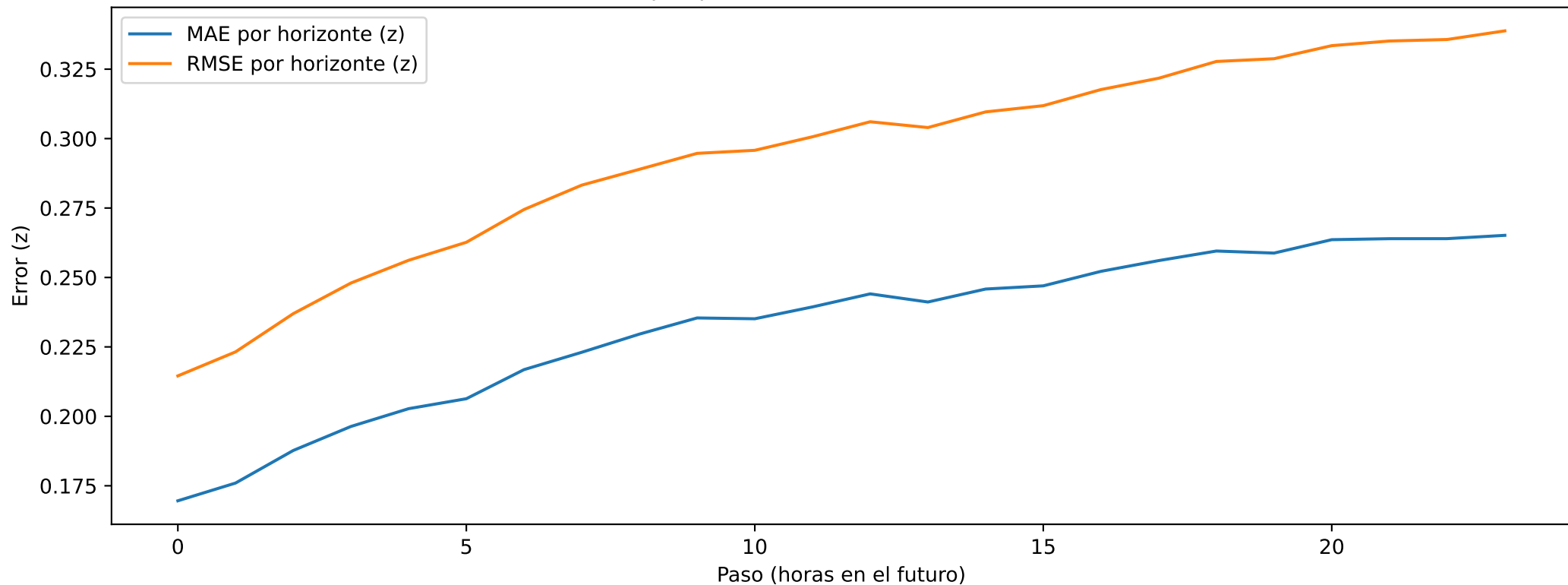
Ventana: H=336 L=24 input_size=6720

Métricas test → MSE: 0.087584 | MAE: 0.2325 | RMSE: 0.2959

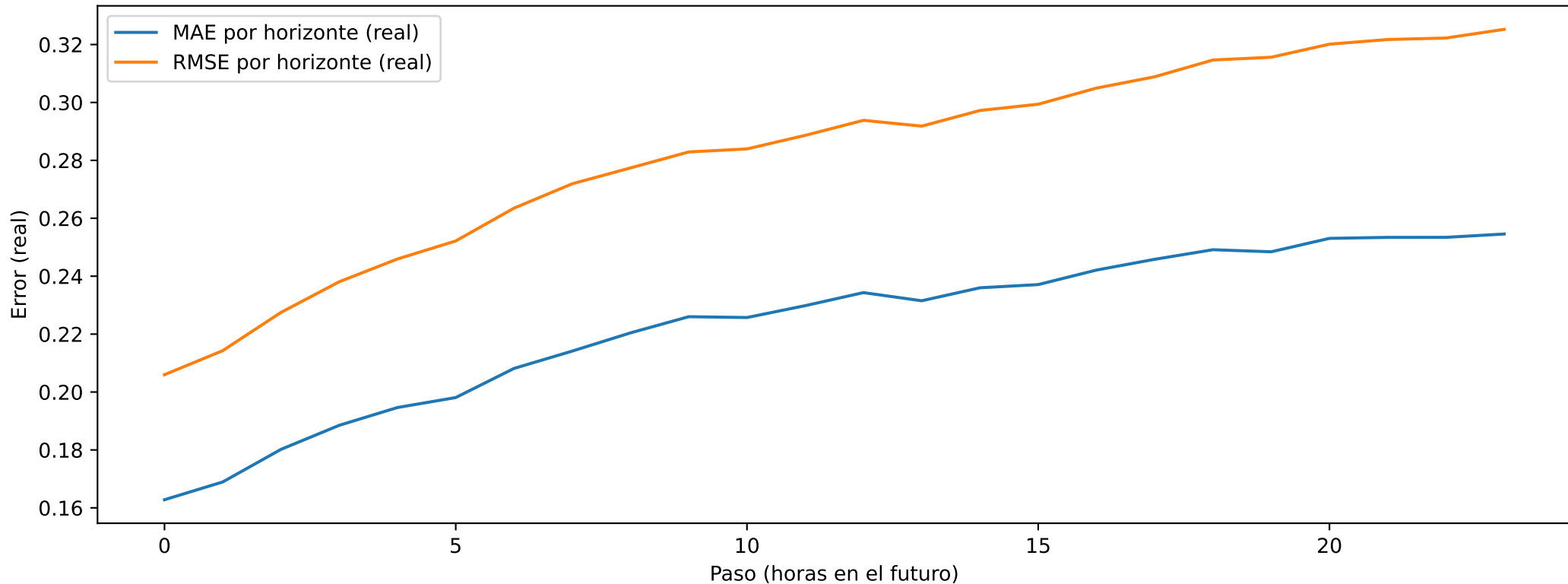
Curvas de aprendizaje



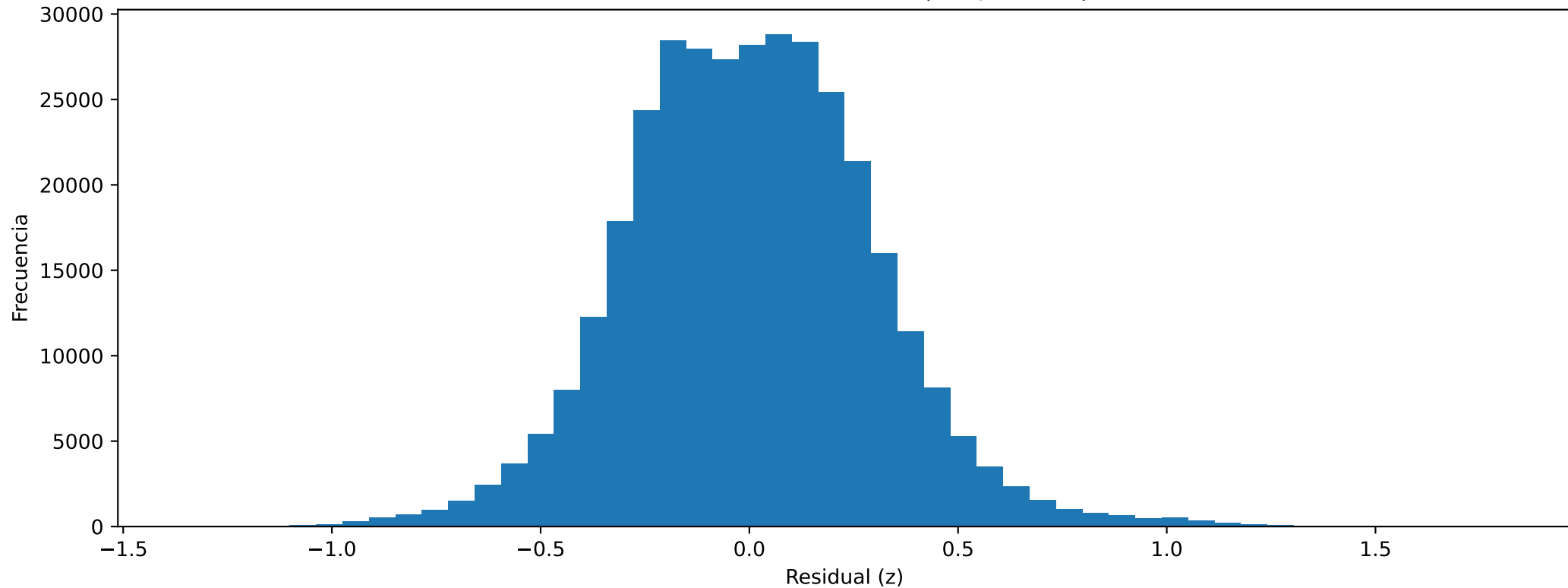
Error por paso del horizonte (test, z-score)



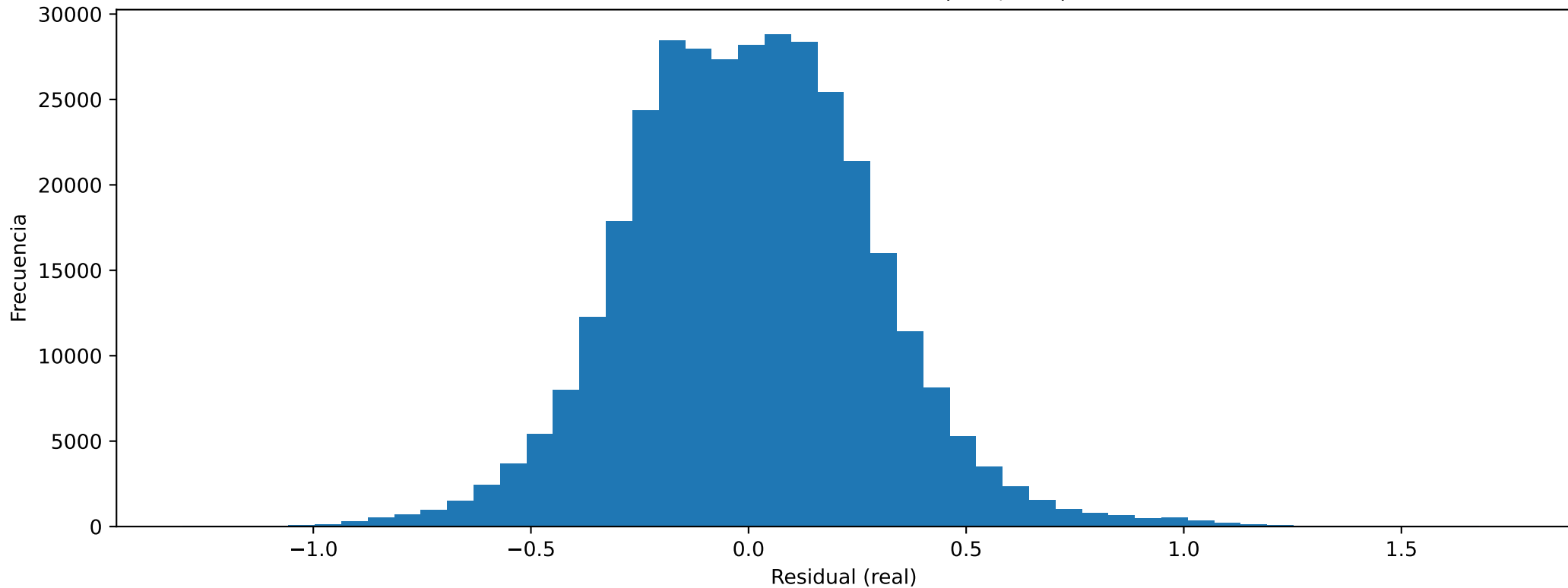
Error por paso del horizonte (test, escala real)



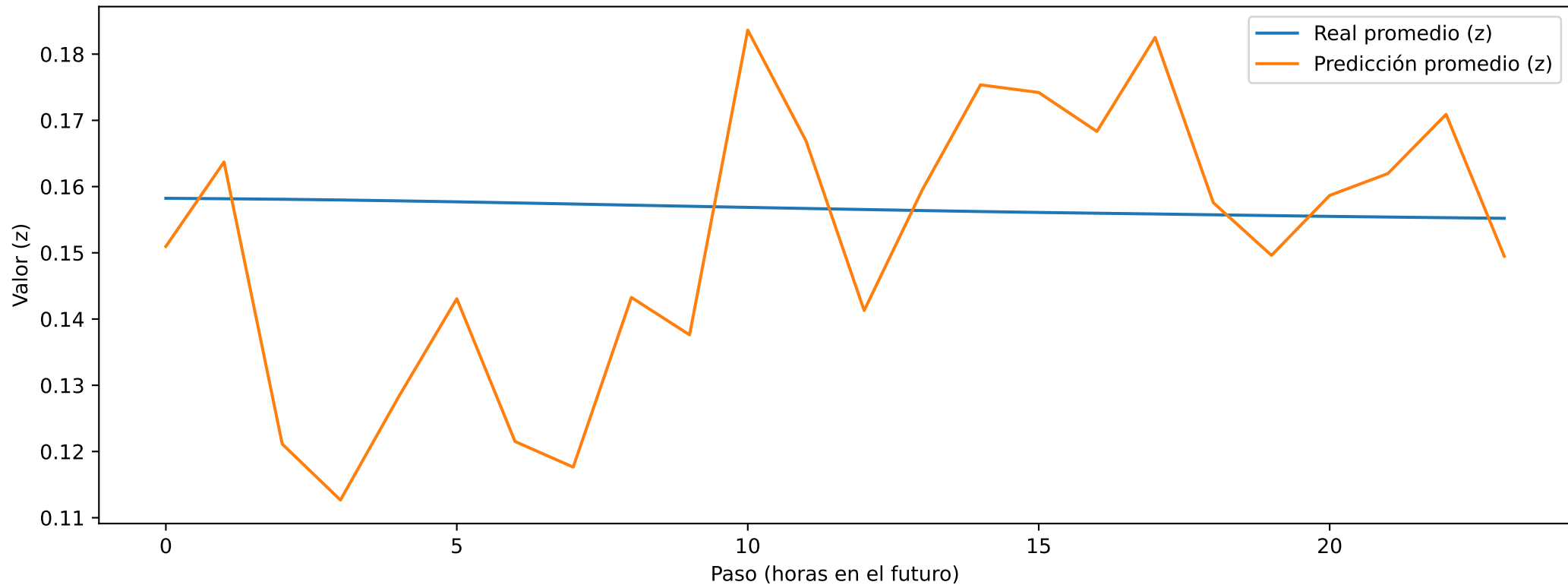
Distribución de residuales (test, z-score)



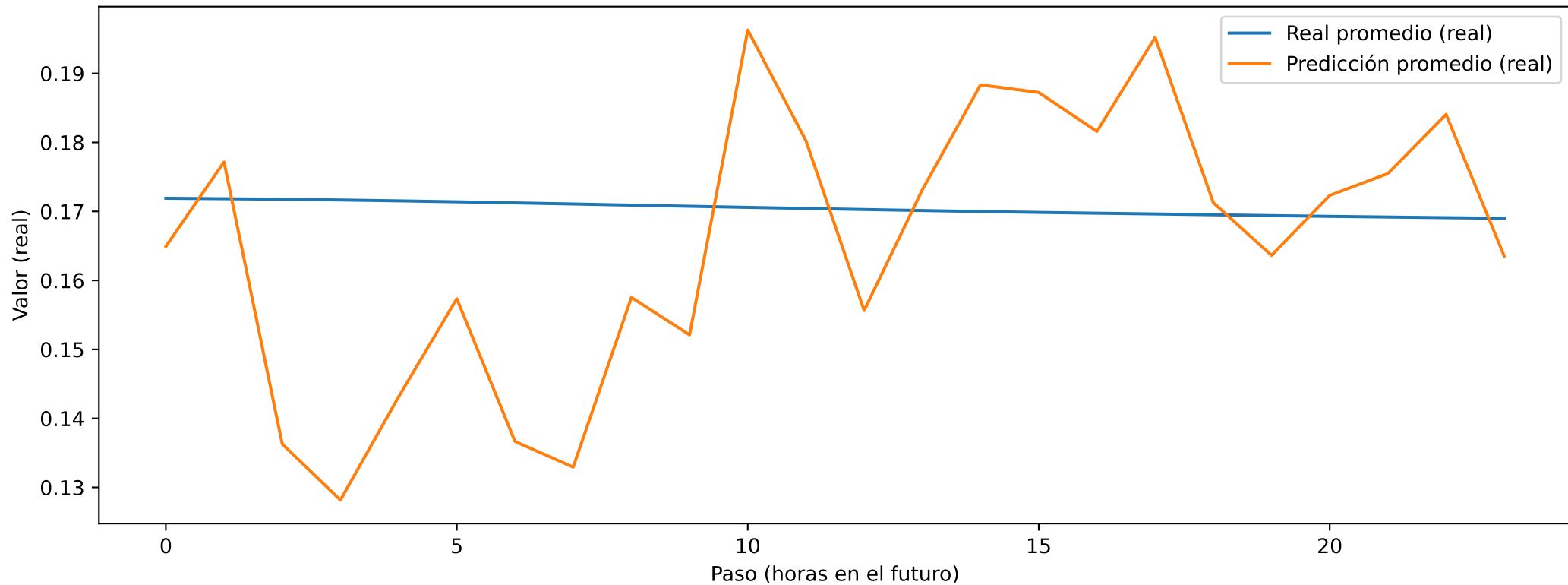
Distribución de residuales (test, real)



Promedio por paso del horizonte (test, z-score)



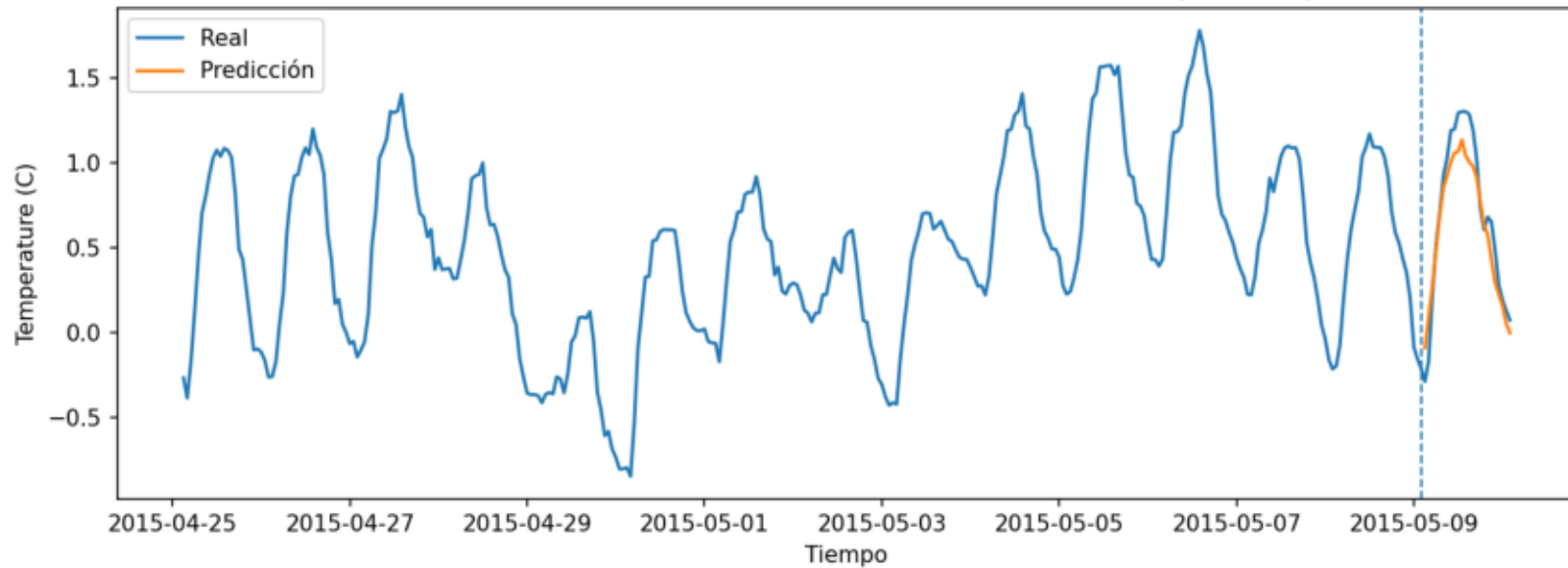
Promedio por paso del horizonte (test, real)

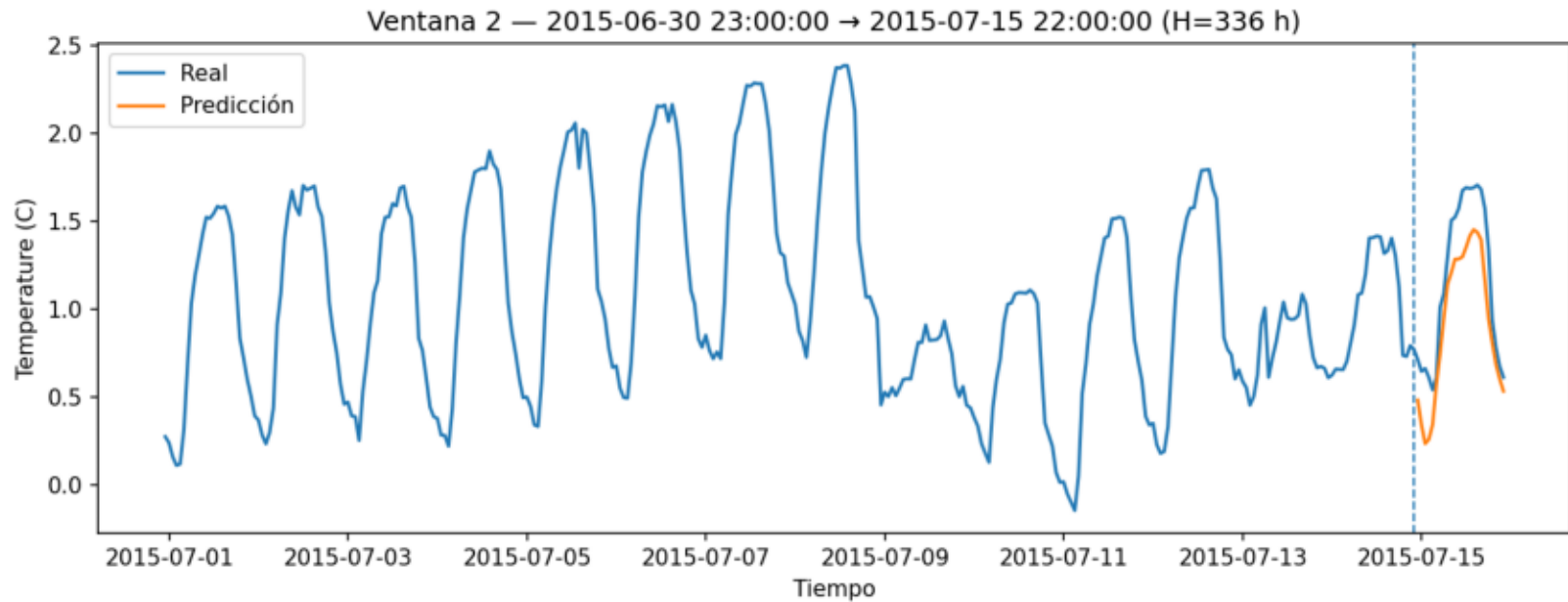


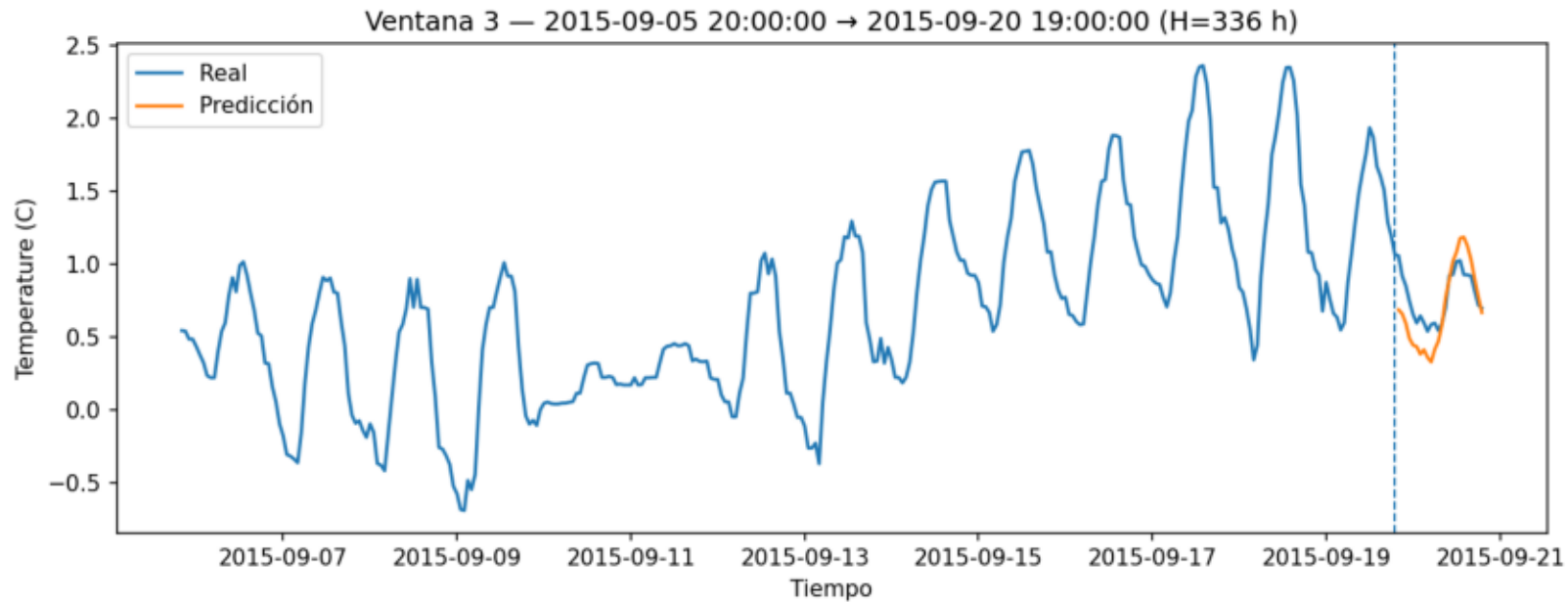
Importancia de variables (TOP-K)

| | Δ MSE | Δ MSE % |
|------------------------|--------------|----------------|
| erature (C)_normalized | 0.344789 | 479.93444 |
| os | 0.14439 | 200.985009 |
| dity_normalized | 0.01731 | 24.094509 |
| | 0.016675 | 23.211613 |
| | 0.015988 | 22.25443 |

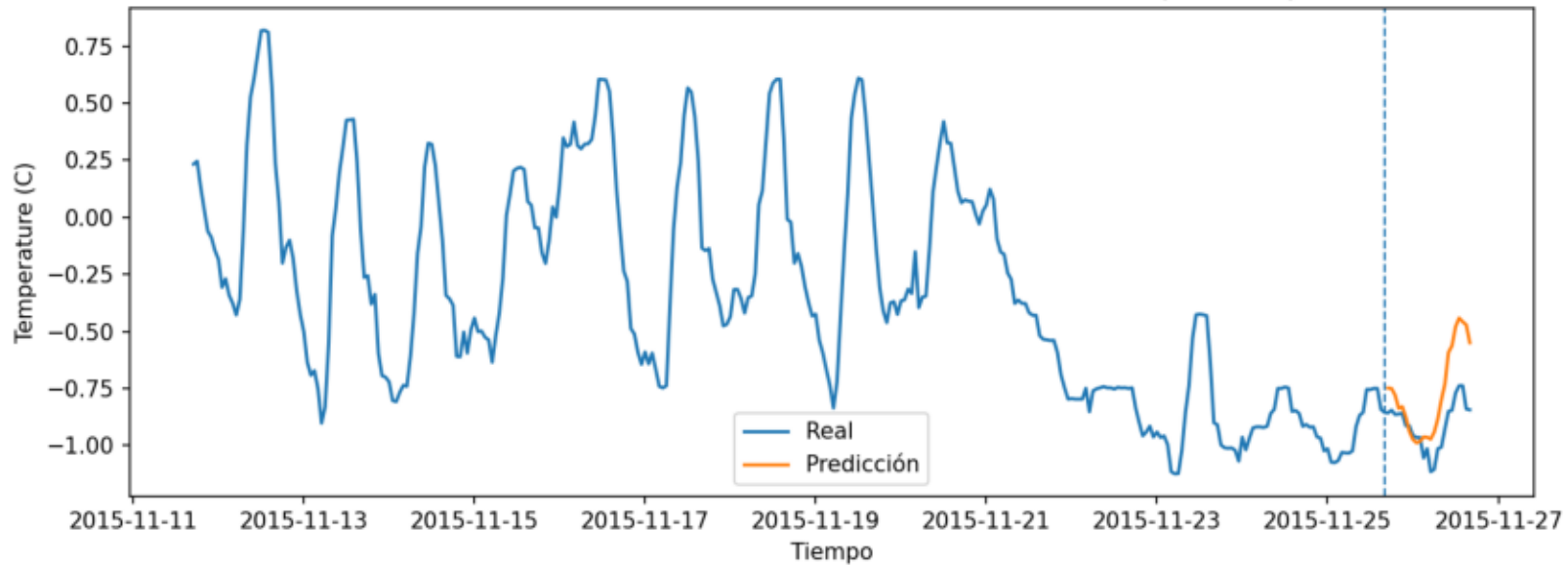
Ventana 1 — 2015-04-25 03:00:00 → 2015-05-10 02:00:00 (H=336 h)







The graph illustrates the temperature (C) over time (Tiempo) from 2015-11-11 to 2015-11-27. The Y-axis ranges from -1.00 to 0.75 C. The X-axis shows dates. The 'Real' data (blue line) shows significant fluctuations, with peaks around 0.75 C and troughs around -0.90 C. The 'Predicción' data (orange line) starts around 2015-11-25 and shows a sharp drop to -0.90 C, followed by a rise to -0.50 C. A vertical dashed line marks the transition from real data to prediction around 2015-11-25.



Ventana 5 — 2016-01-17 14:00:00 → 2016-02-01 13:00:00 (H=336 h)

