

## N-BEATS Multivariable — Resumen

Archivo: data/weatherHistory\_normalized\_general.csv

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

Features (15): ['Humidity', 'trend', 'h\_sin', 'h\_cos', 'dow\_sin', 'dow\_cos', 'doy\_sin', 'doy\_cos', 'tz\_offset\_hours', 'S

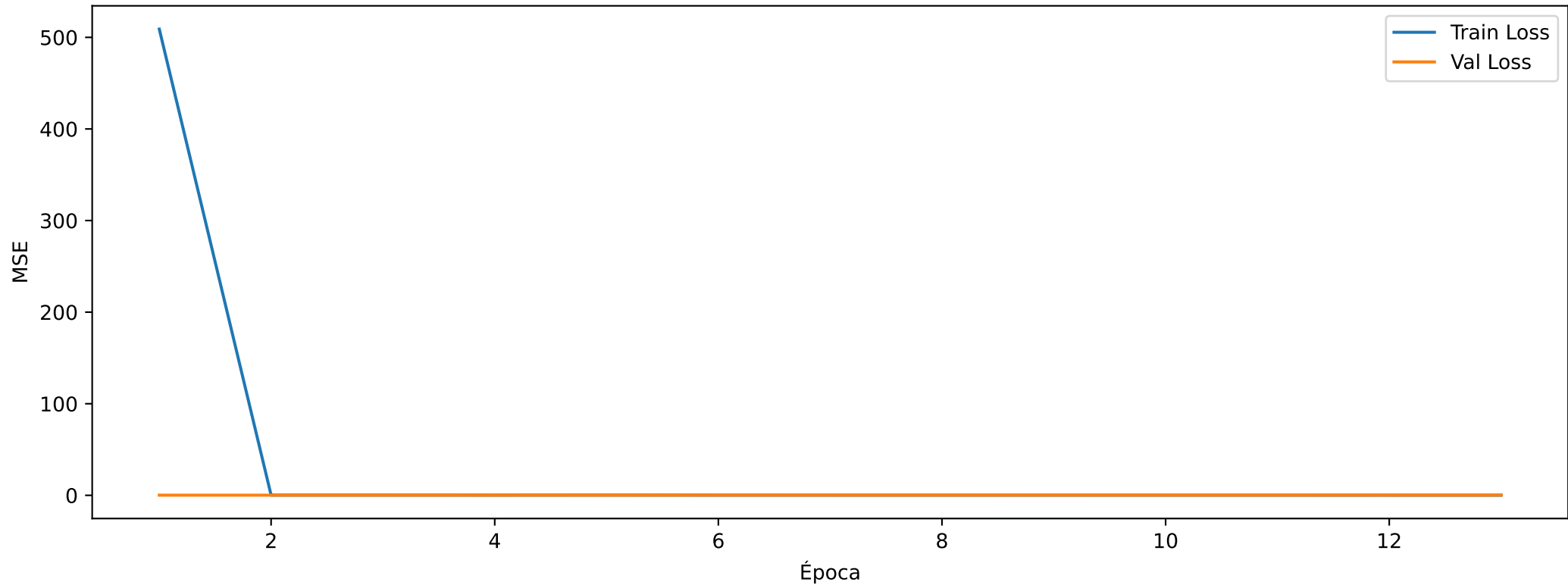
Puntos totales: 95165

Split → Train: 66615 | Val: 14275 | Test: 14275

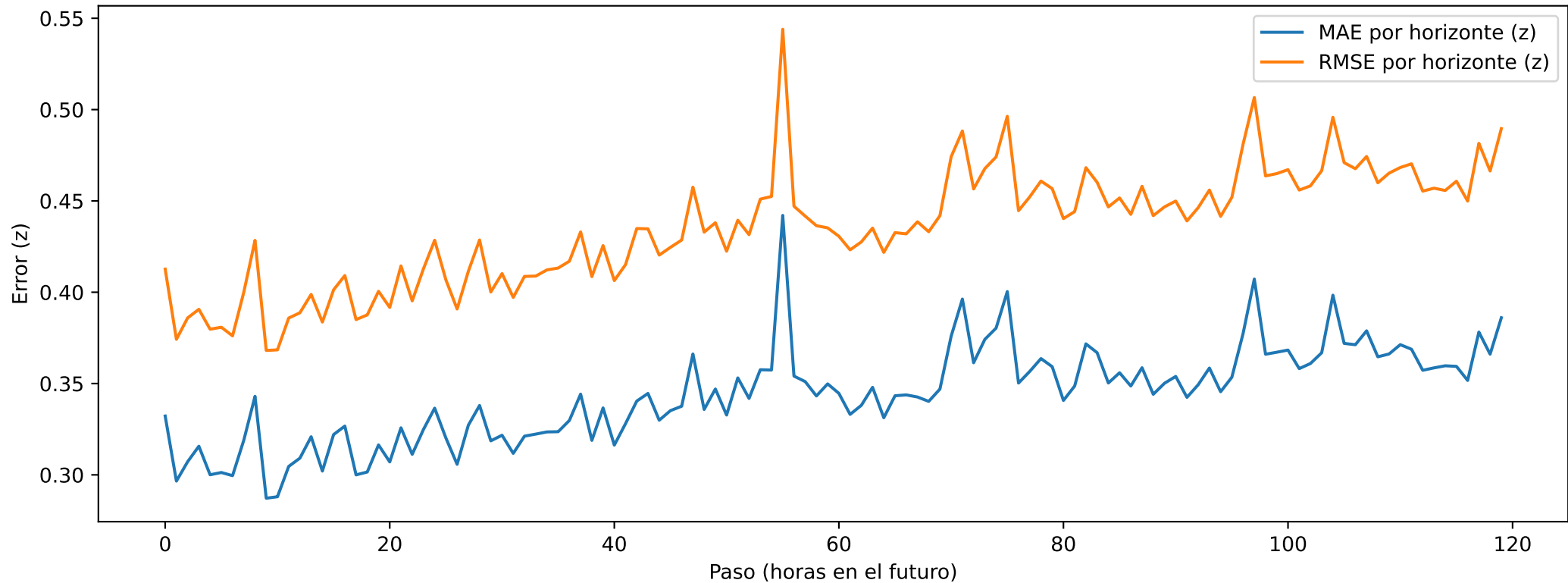
Ventana: H=1440 L=120 input\_size=21600

Métricas test → MSE: 0.190549 | MAE: 0.3440 | RMSE: 0.4365

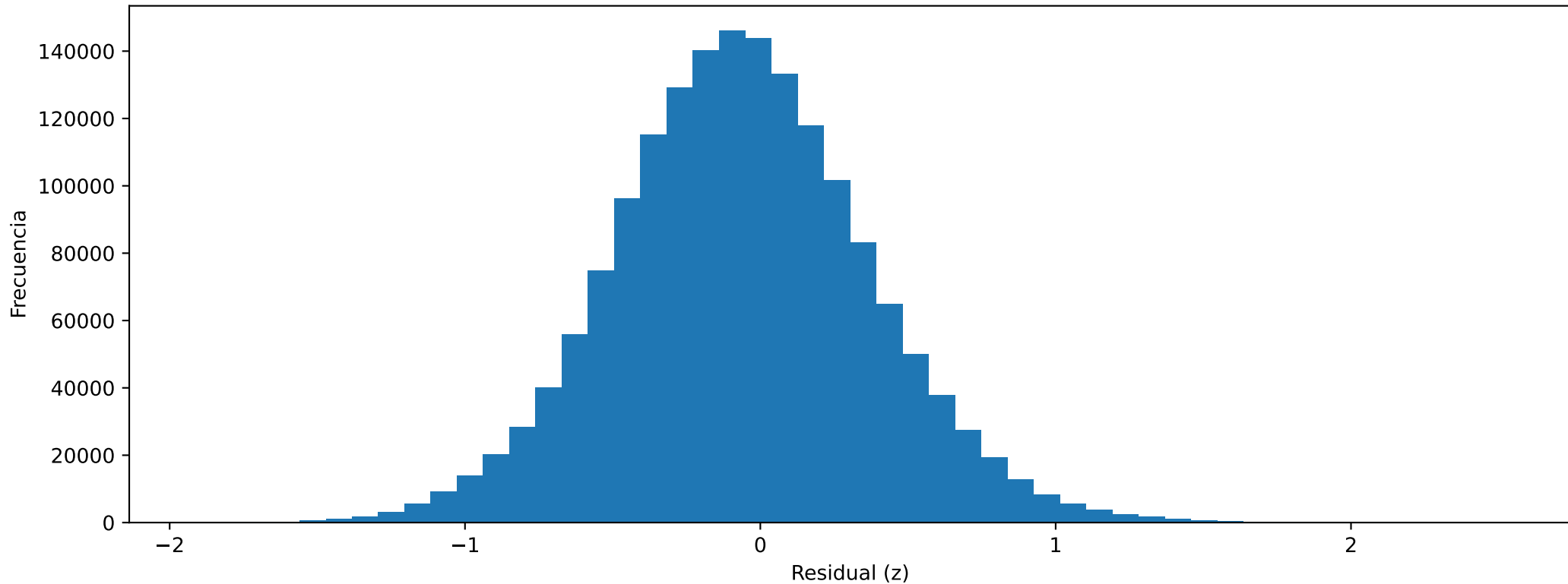
Curvas de aprendizaje



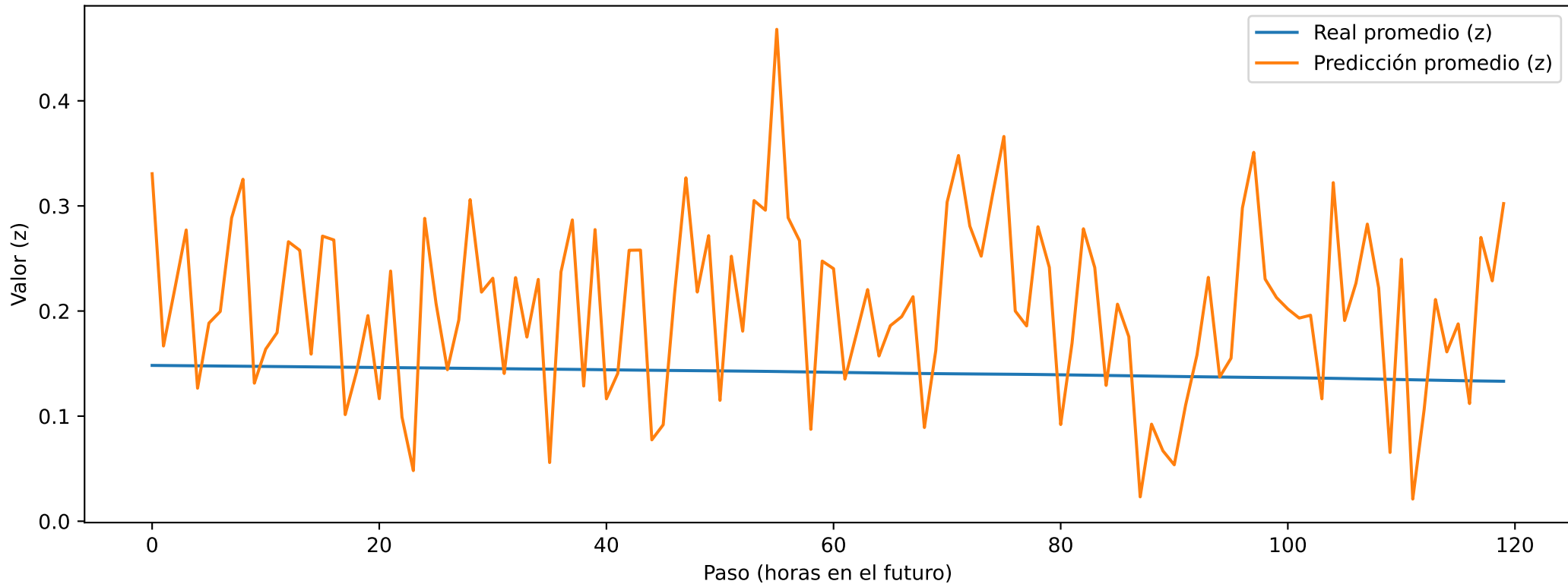
Error por paso del horizonte (test, z-score)



Distribución de residuales (test, z-score)

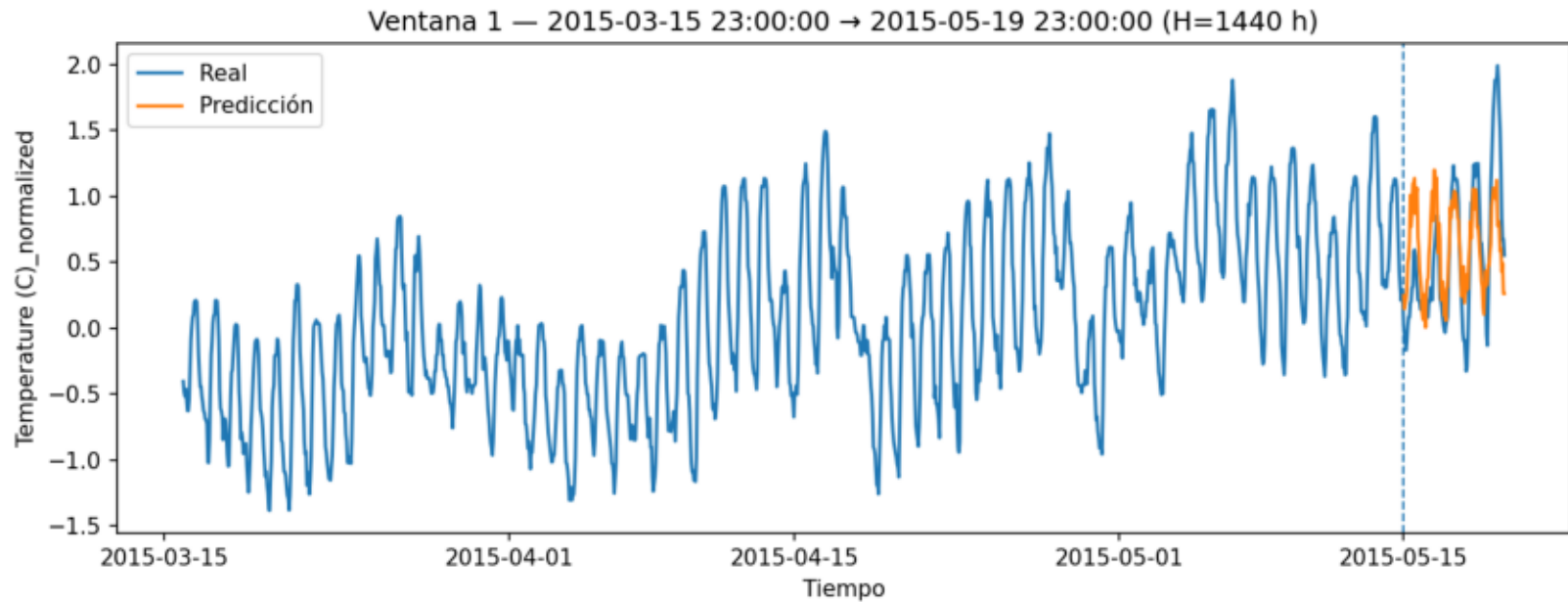


Promedio por paso del horizonte (test, z-score)

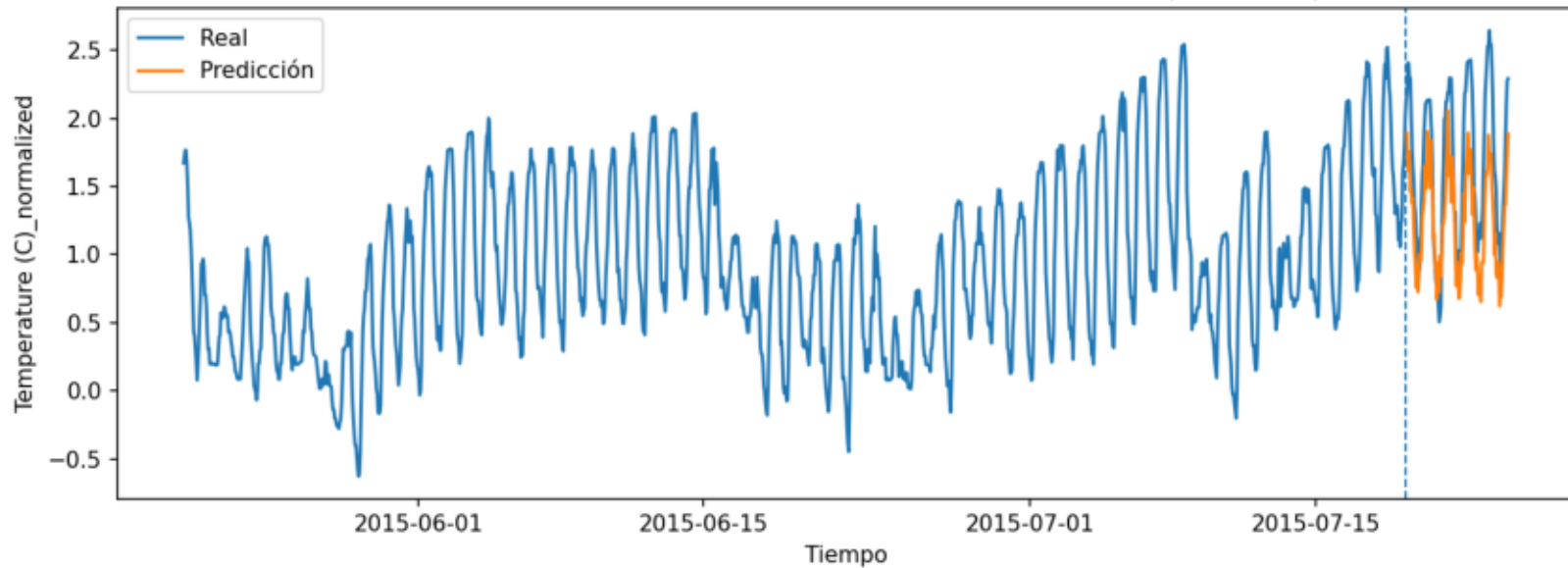


## Importancia de variables (TOP-K)

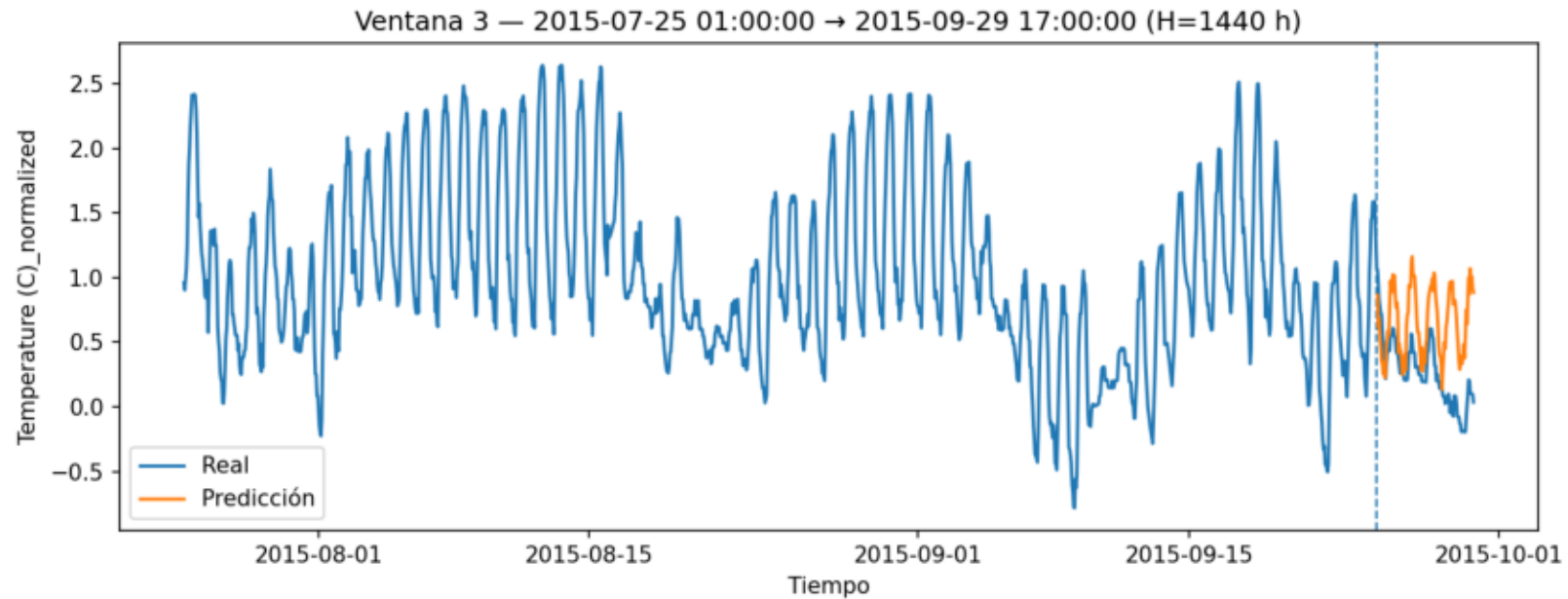
	$\Delta$ MSE	$\Delta$ MSE %
cos	0.303815	189.041113
in	0.096354	59.954093
erature (C)_normalized	0.071002	44.179048
	0.031339	19.49966
	0.029838	18.565882
bearing_cos	0.009647	6.002365
Type_normalized	0.004303	2.677518
Summary_normalized	0.003023	1.880929
ary_normalized	0.00287	1.786076
set_hours	0.000376	0.234147
dity	0.000236	0.146937
	4.7e-05	0.029257
cos	-8.8e-05	-0.054799
bearing_sin	-9.8e-05	-0.061181
in	-0.000185	-0.114868



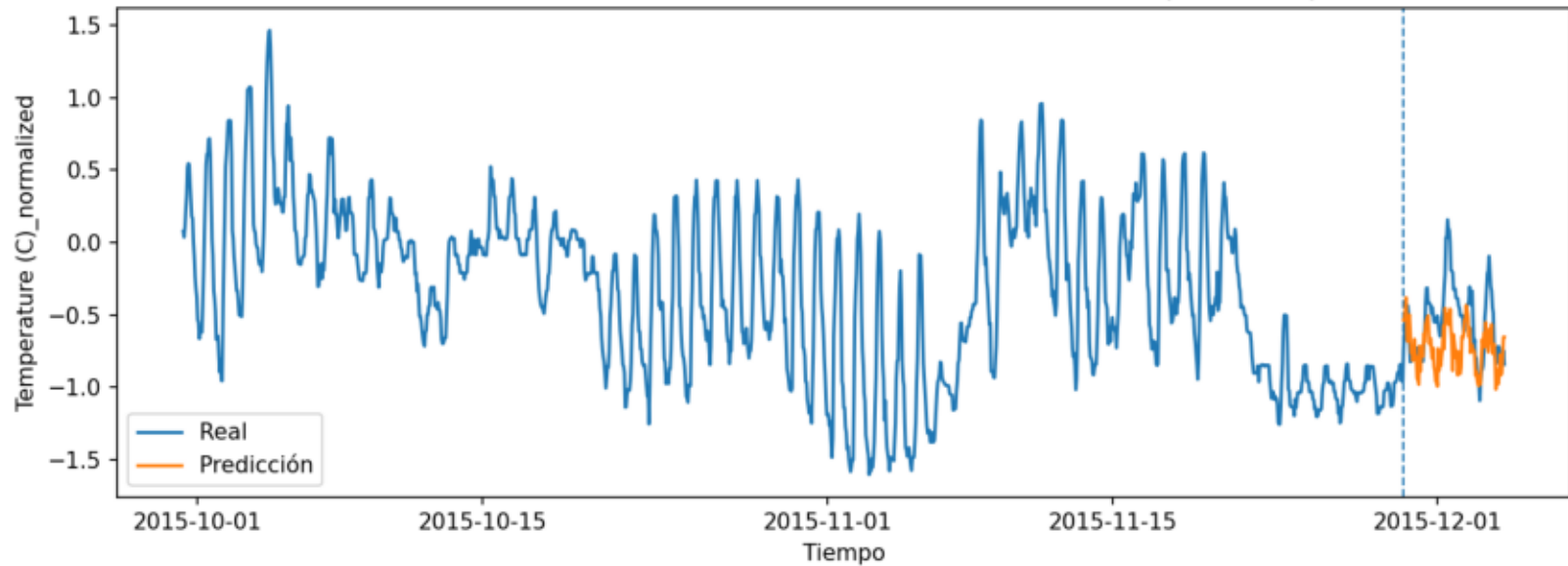
Ventana 2 — 2015-05-20 12:00:00 → 2015-07-24 11:00:00 (H=1440 h)



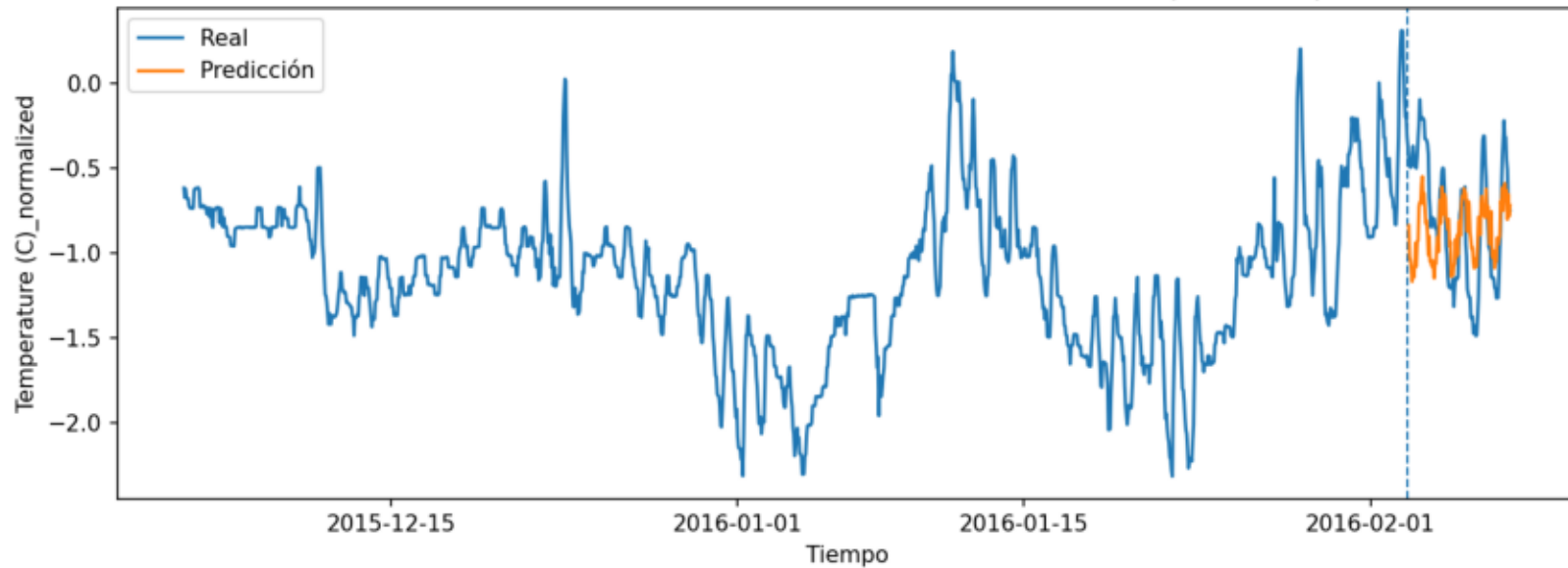


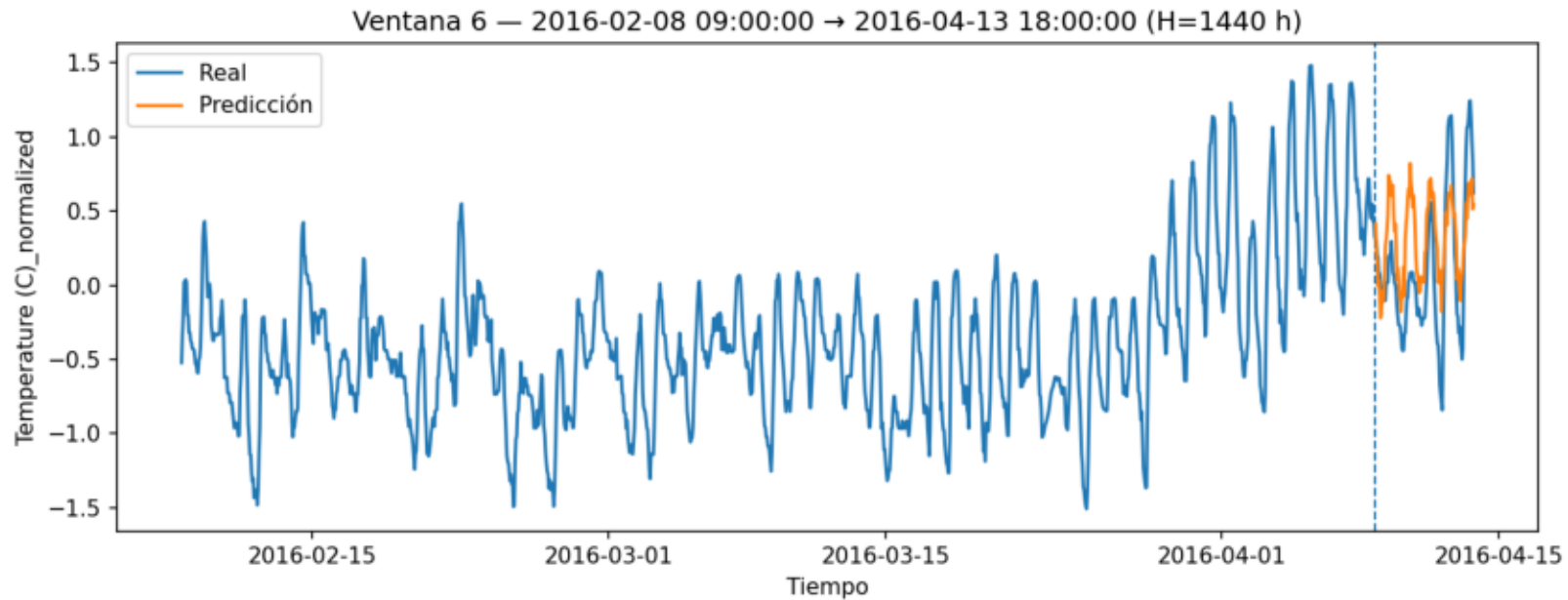


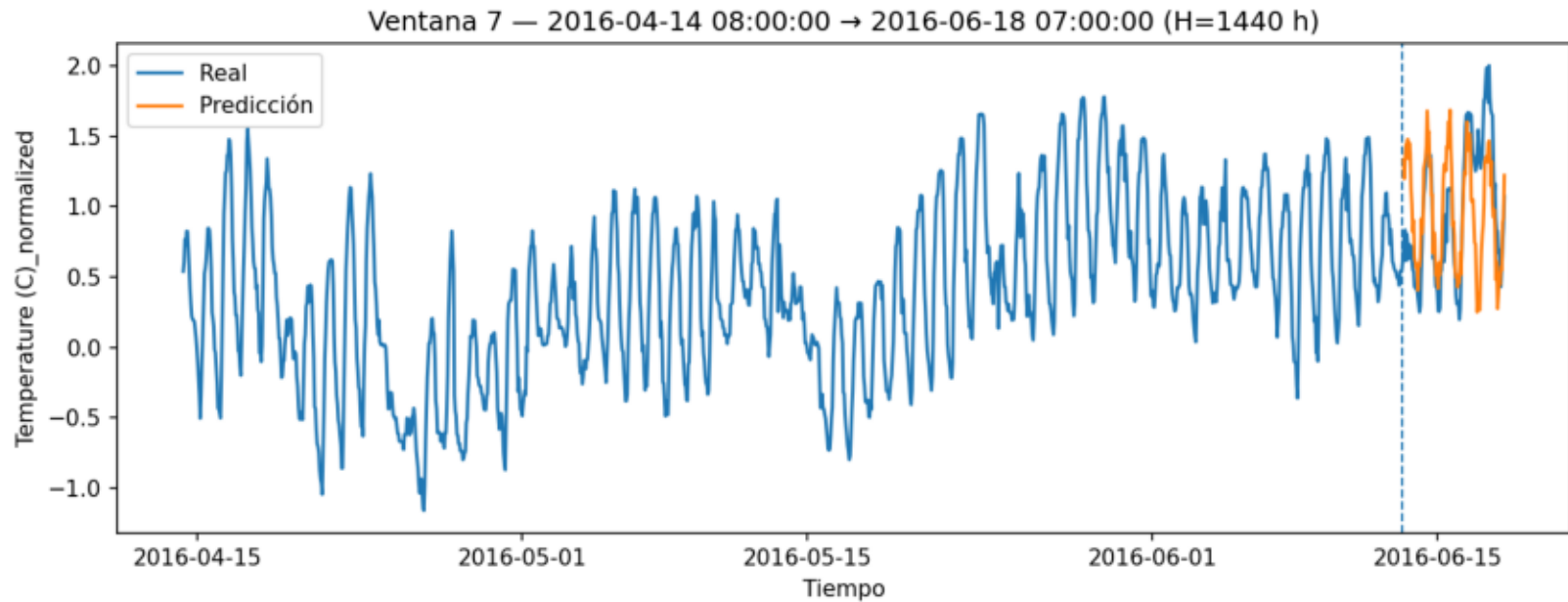
Ventana 4 — 2015-09-30 07:00:00 → 2015-12-04 07:00:00 (H=1440 h)

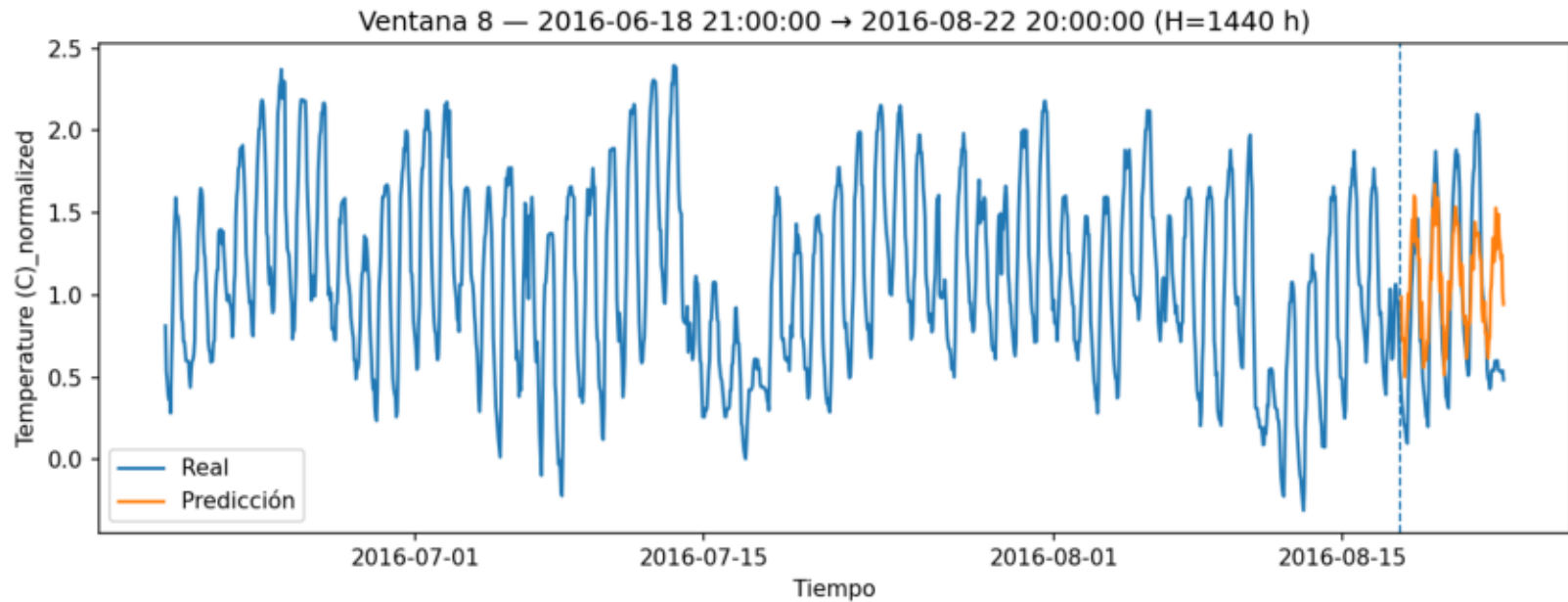


Ventana 5 — 2015-12-04 21:00:00 → 2016-02-07 20:00:00 (H=1440 h)









Ventana 9 — 2016-08-23 10:00:00 → 2016-10-27 09:00:00 (H=1440 h)

