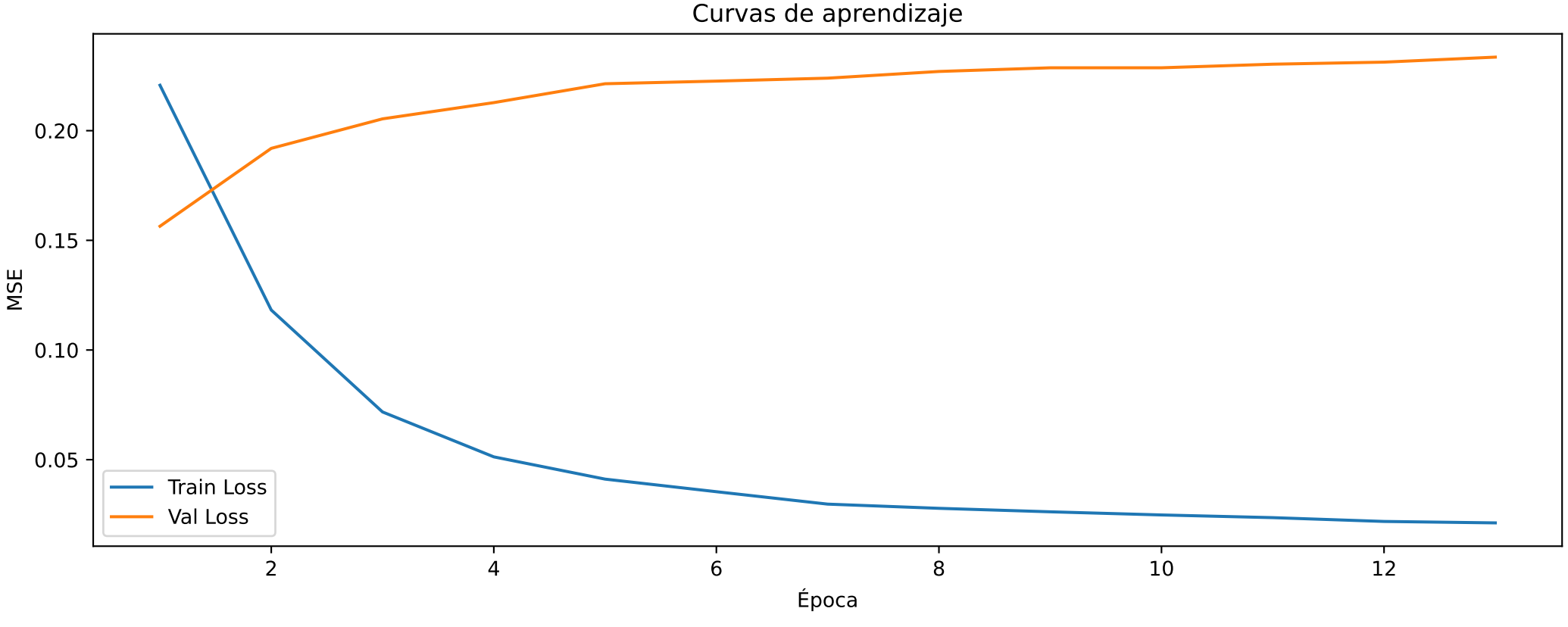
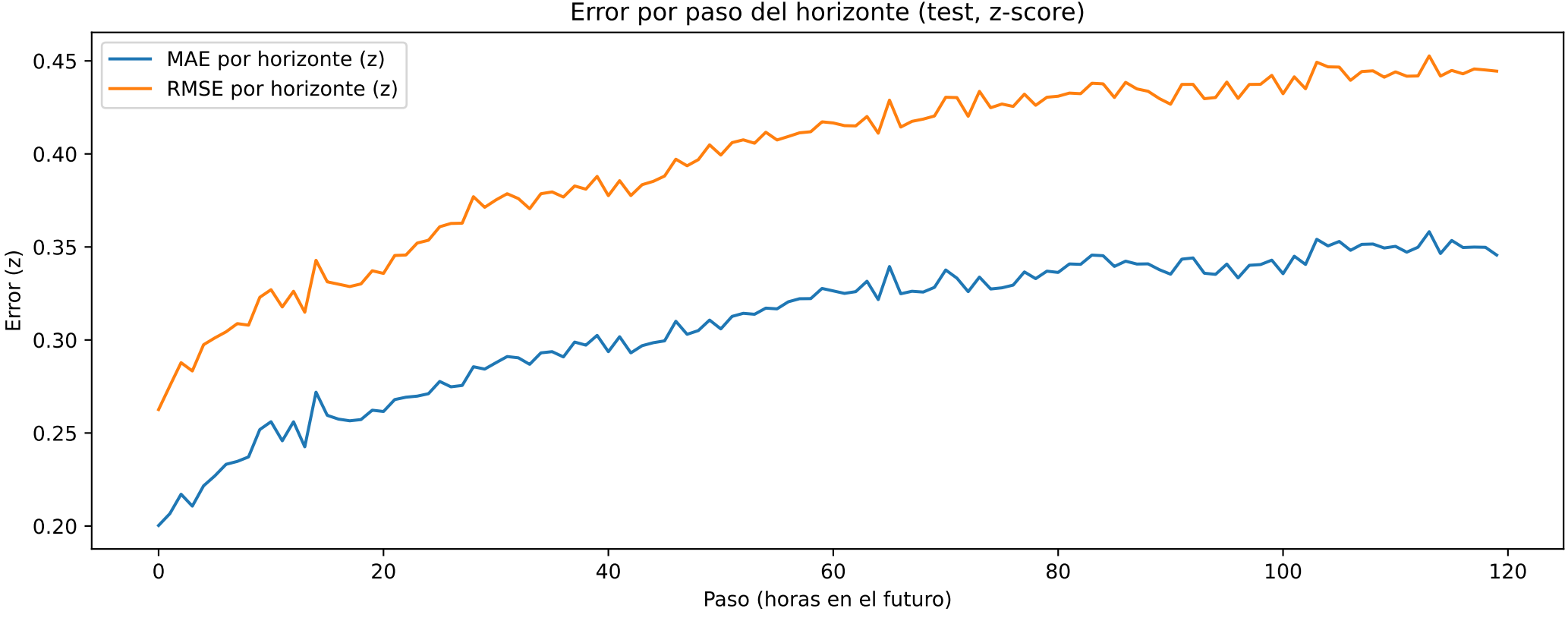
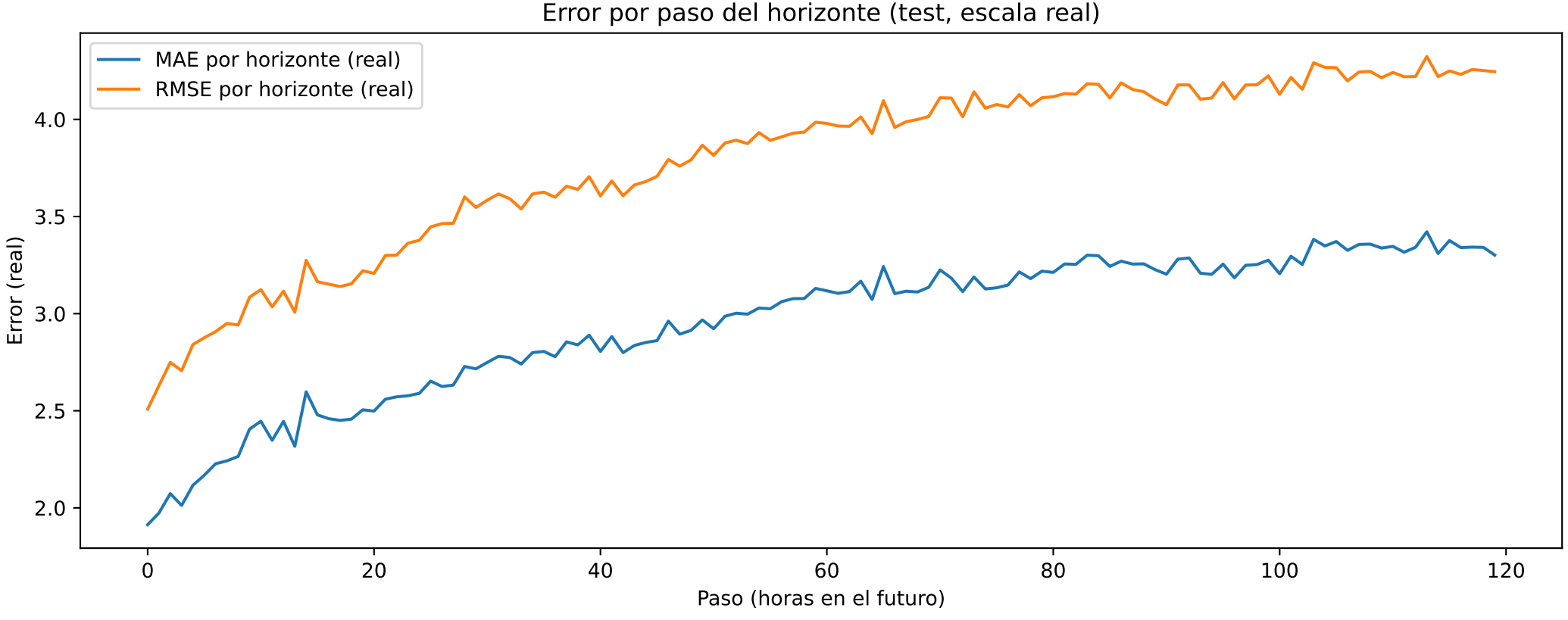
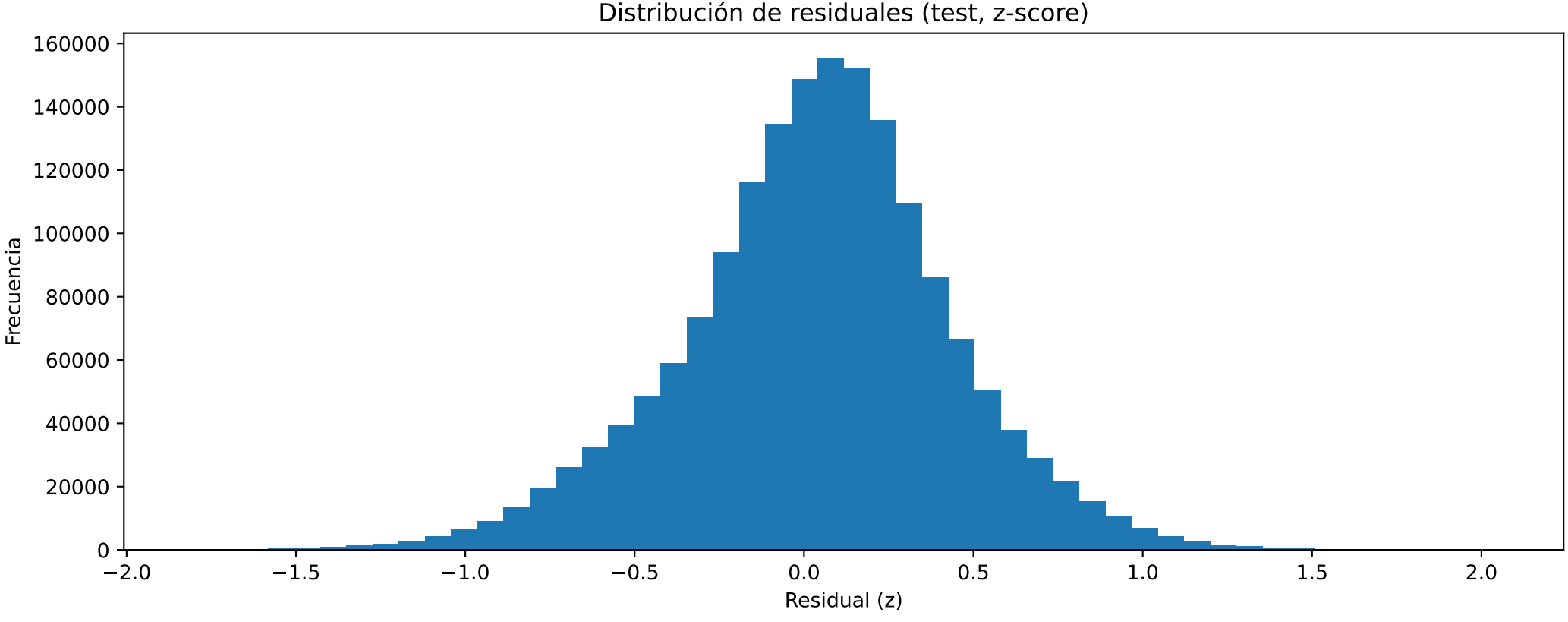
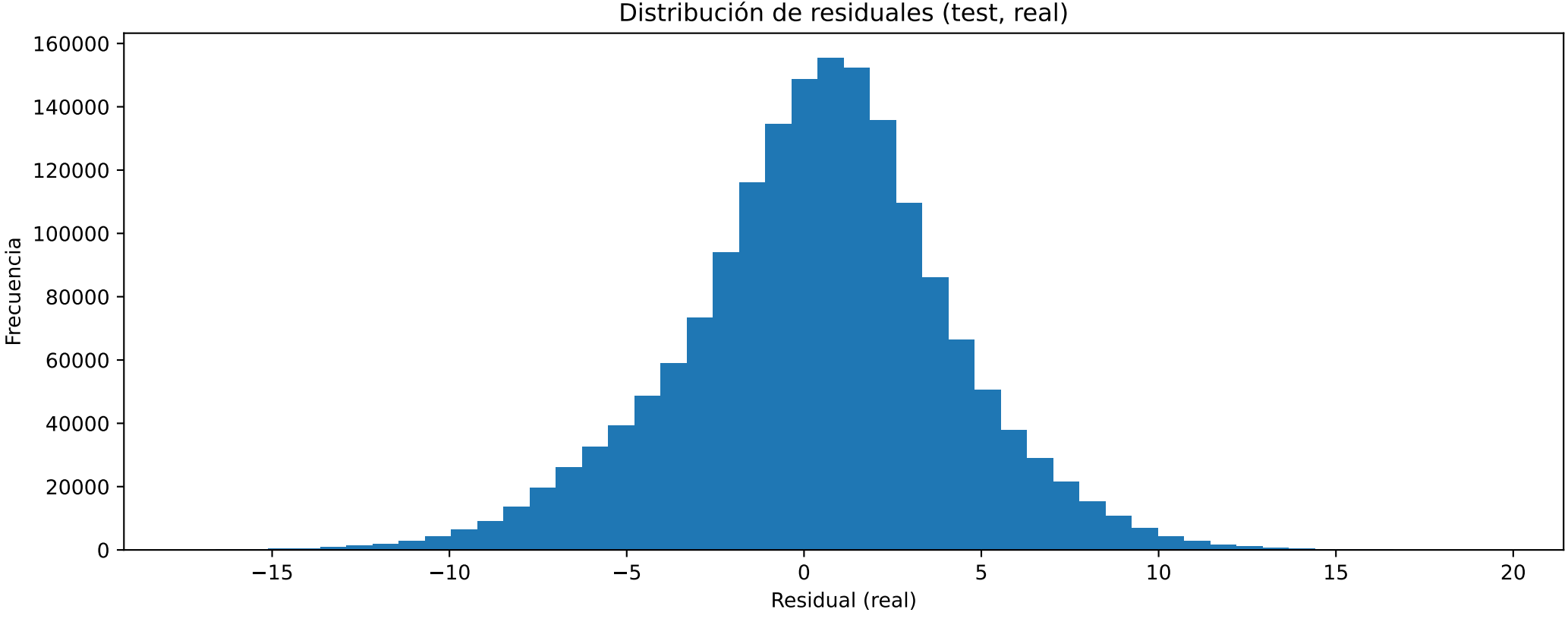
N-BEATS Univar — ResumenArchivo: data/weatherHistory_temp_normalizacion.csvTiempo: Formatted Date | O

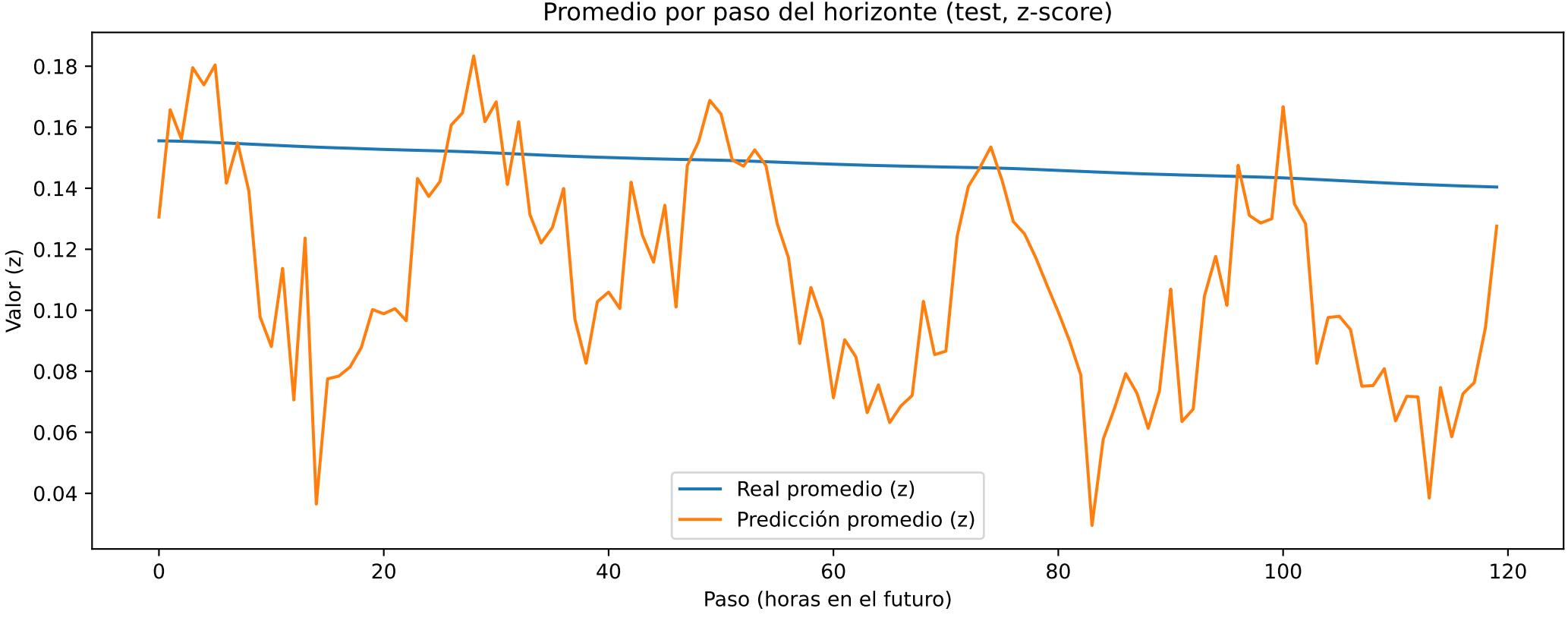

Curvas de aprendizaje
MSE
0.20
0.15
0.10
0.05
Train Loss
Val Loss
2
4
6
8
10
12
Época

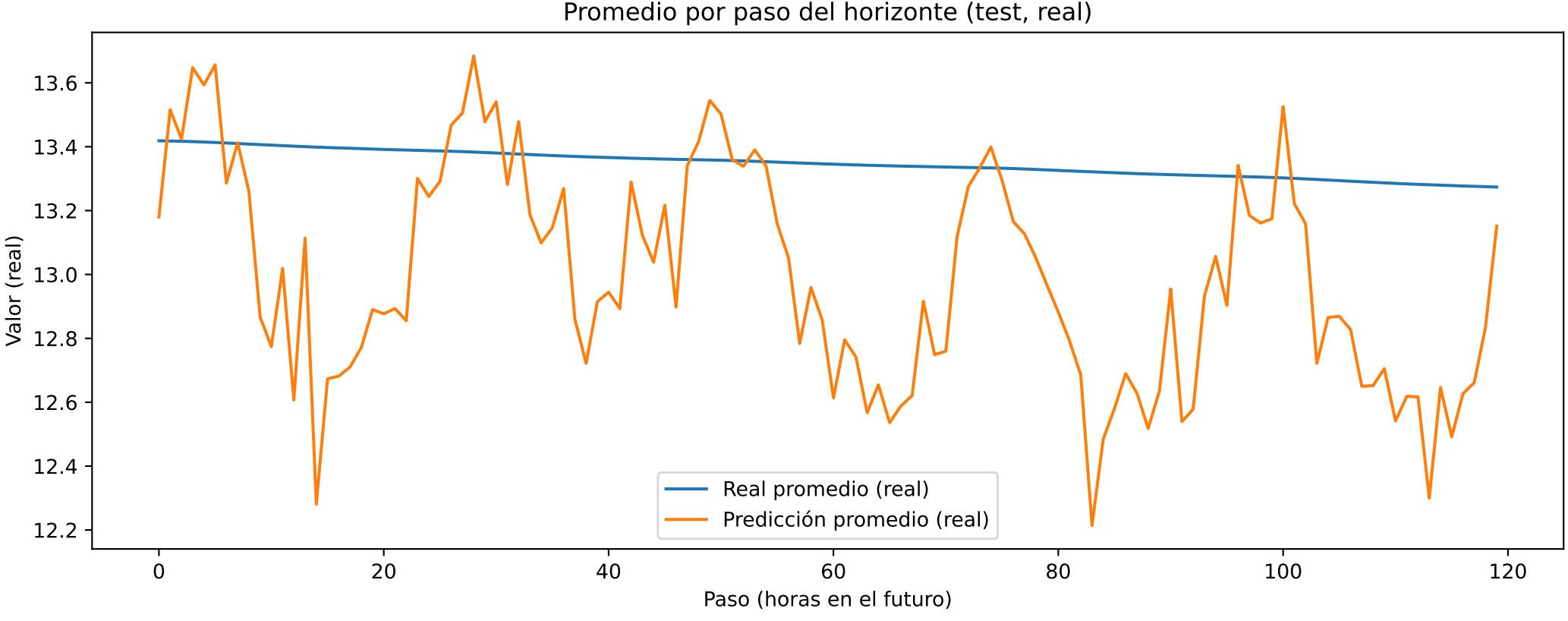

Error por paso del horizonte (test, z-score)
MAE por horizonte (z)
RMSE por horizonte (z)
Error (z)
0.20
0.25
0.30
0.35
0.40
0.45
0
20
40
60
80
100
120
Paso (horas en el futuro)

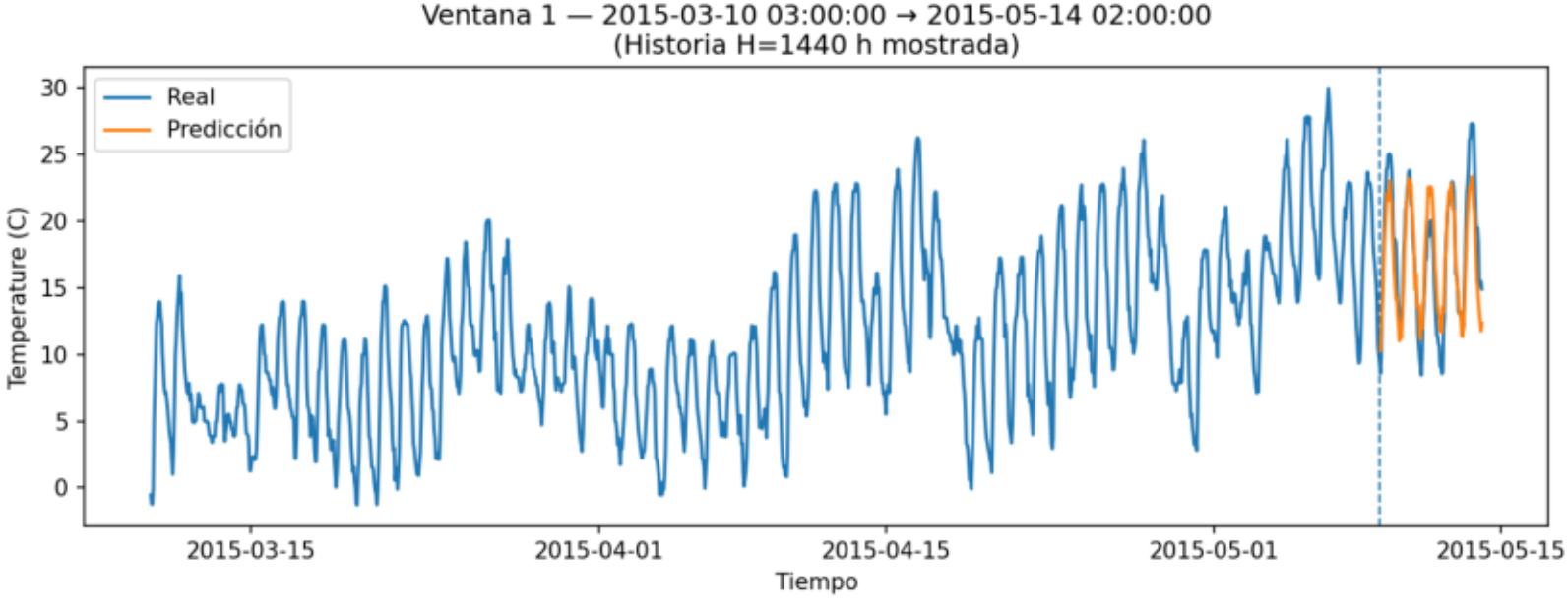

Error por paso del horizonte (test, escala real)
MAE por horizonte (real)
RMSE por horizonte (real)
Error (real)
Paso (horas en el futuro)
2.0
2.5
3.0
3.5
4.0
0
20
40
60
80
100
120

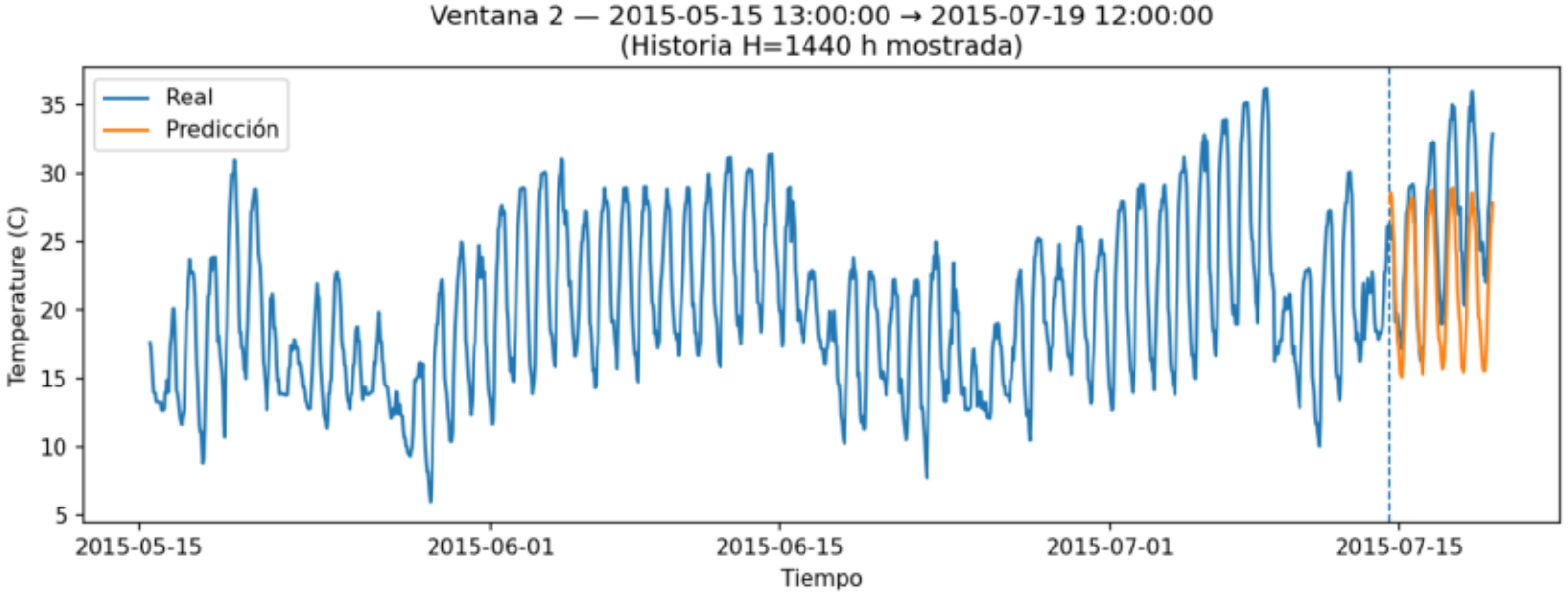

Distribución de residuales (test, z-score)
Frecuencia
160000
140000
120000
100000
80000
60000
40000
20000
0
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
Residual (z)

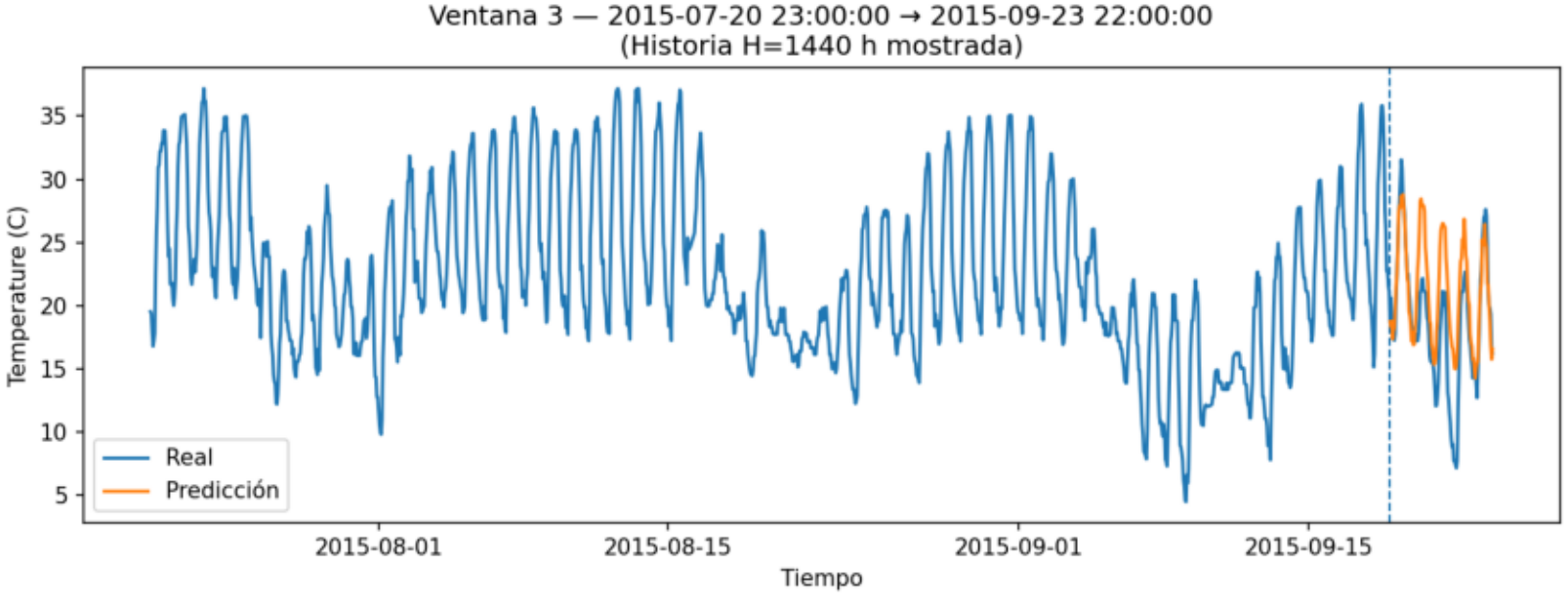

Distribución de residuales (test, real)
Frecuencia
Residual (real)
160000
140000
120000
100000
80000
60000
40000
20000
0
−15
−10
−5
0
5
10
15
20

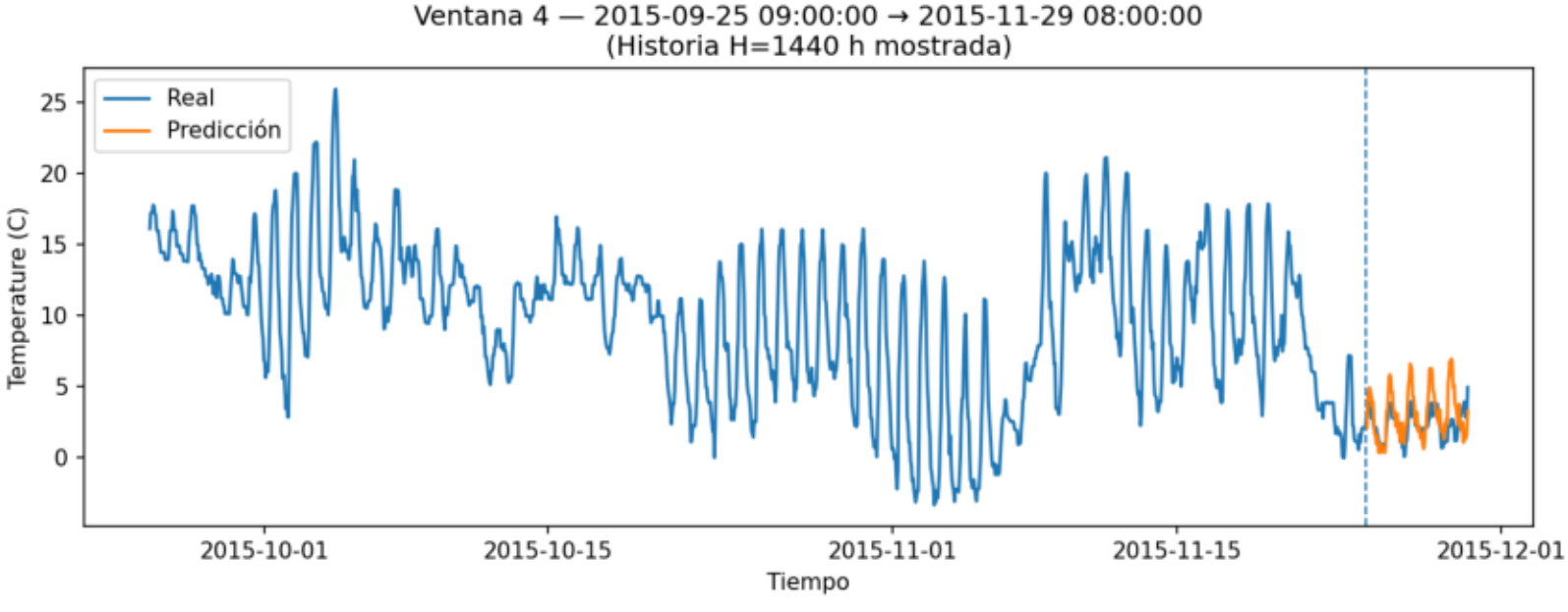

Promedio por paso del horizonte (test, z-score)
Valor (z)
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0
20
40
60
80
100
120
Paso (horas en el futuro)
Real promedio (z)
Predicción promedio (z)

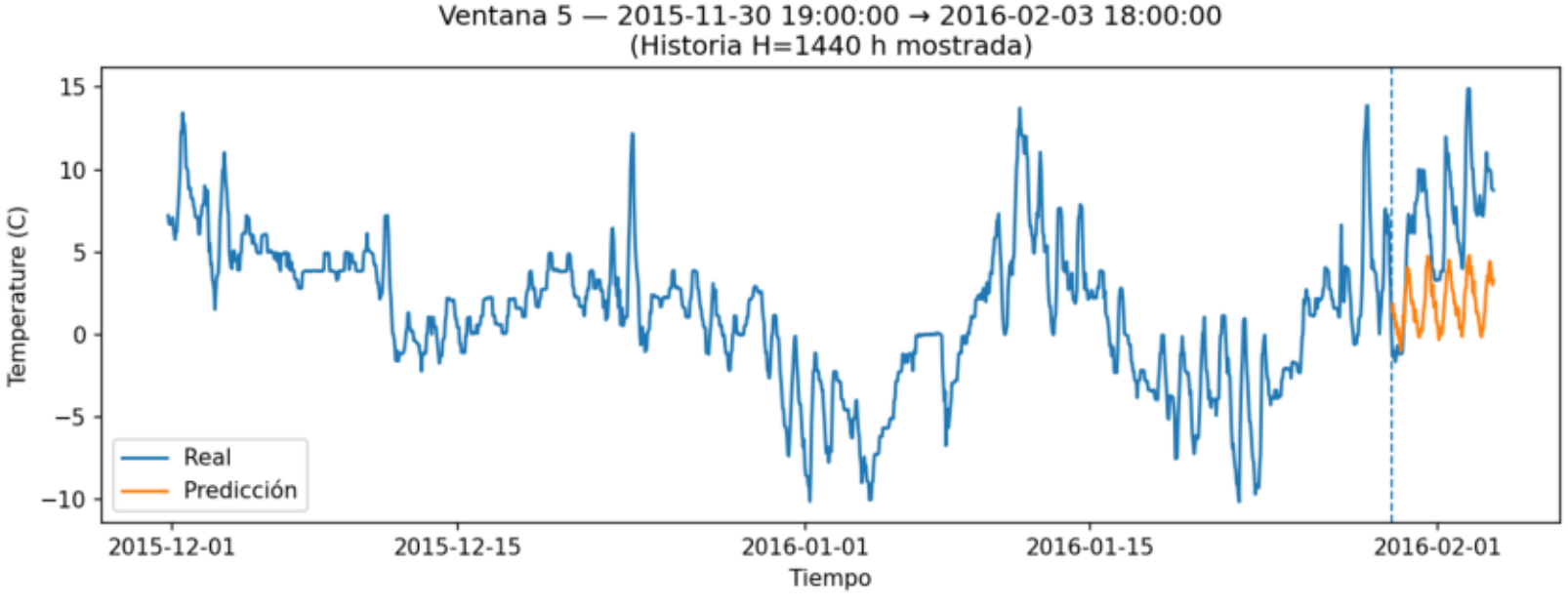

Promedio por paso del horizonte (test, real)
Valor (real)
13.6
13.4
13.2
13.0
12.8
12.6
12.4
12.2
0
20
40
60
80
100
120
Paso (horas en el futuro)
Real promedio (real)
Predicción promedio (real)

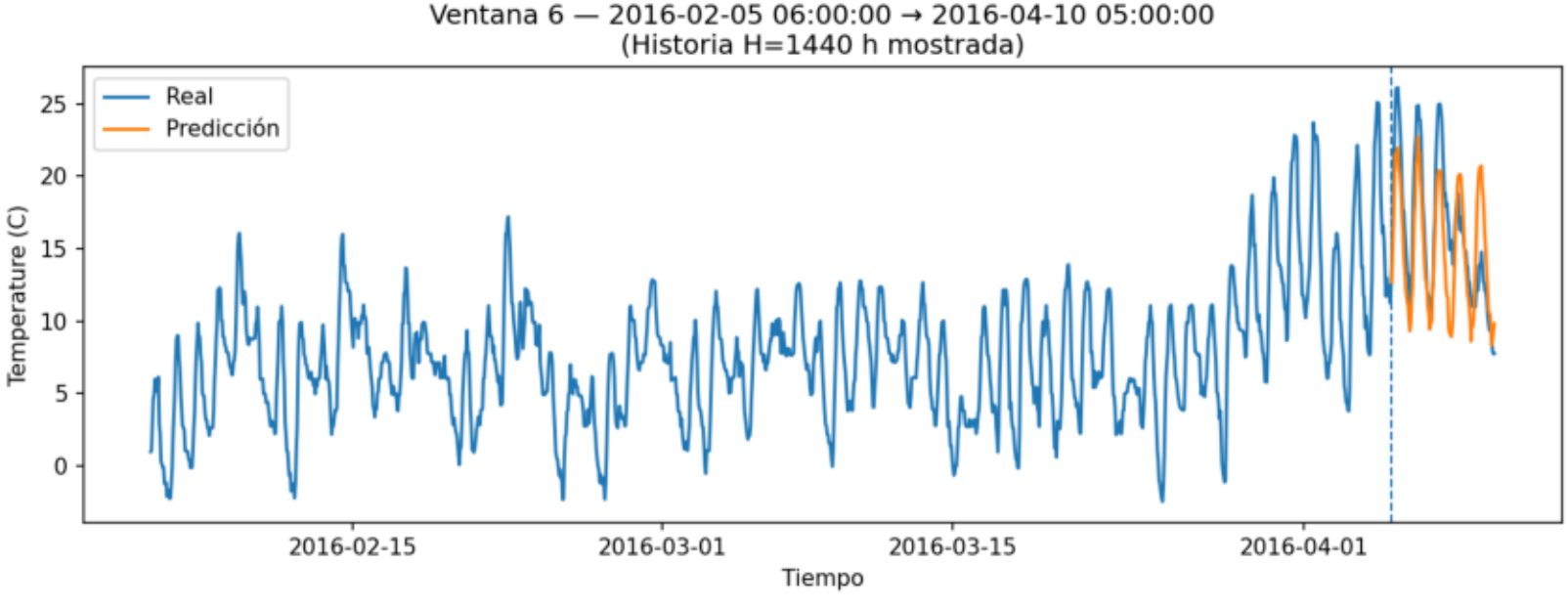

Ventana 1 — 2015-03-10 03:00:00 → 2015-05-14 02:00:00
(Historia H=1440 h mostrada)
Real
Predicción
Temperature (C)
30
25
20
15
10
5
0
2015-03-15
2015-04-01
2015-04-15
2015-05-01
2015-05-15
Tiempo

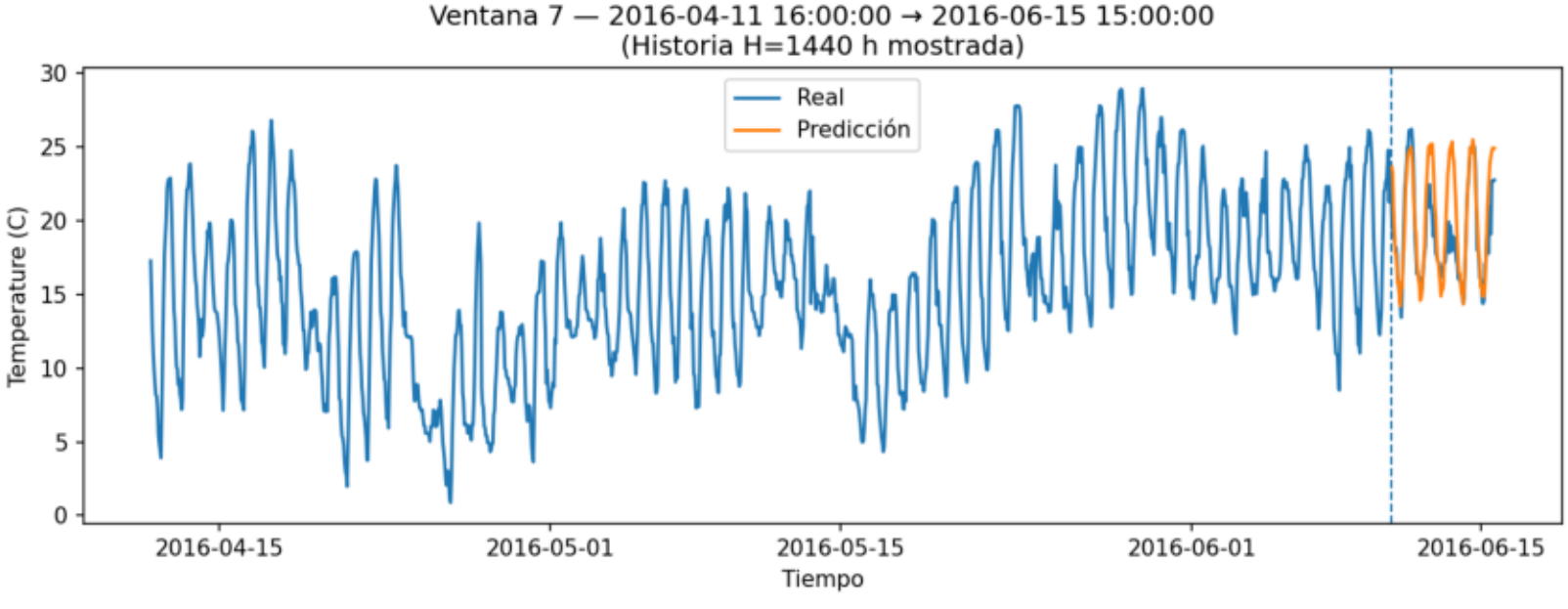

Ventana 2 — 2015-05-15 13:00:00 → 2015-07-19 12:00:00
(Historia H=1440 h mostrada)
Real
Predicción
Temperature (C)
35
30
25
20
15
10
5
2015-05-15
2015-06-01
2015-06-15
2015-07-01
2015-07-15
Tiempo

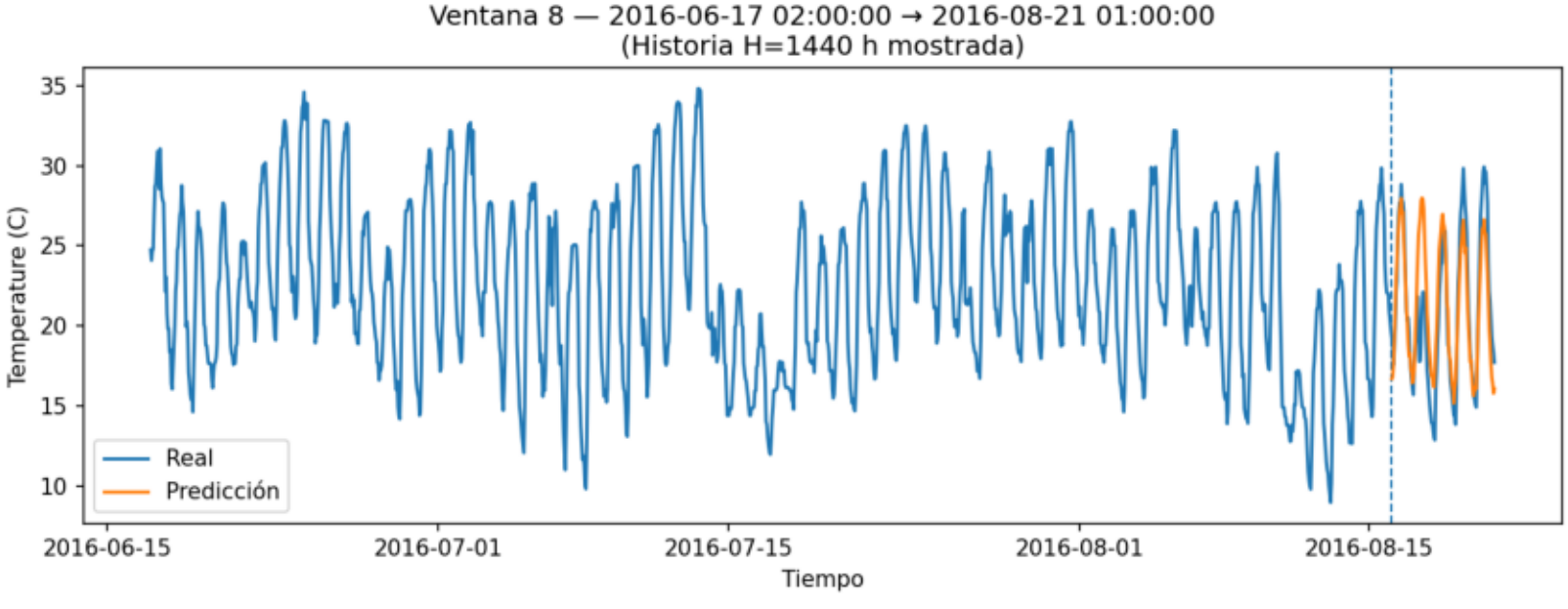

Ventana 3 — 2015-07-20 23:00:00 → 2015-09-23 22:00:00
(Historia H=1440 h mostrada)
Temperature (C)
35
30
25
20
15
10
5
Real
Predicción
2015-08-01
2015-08-15
2015-09-01
2015-09-15
Tiempo

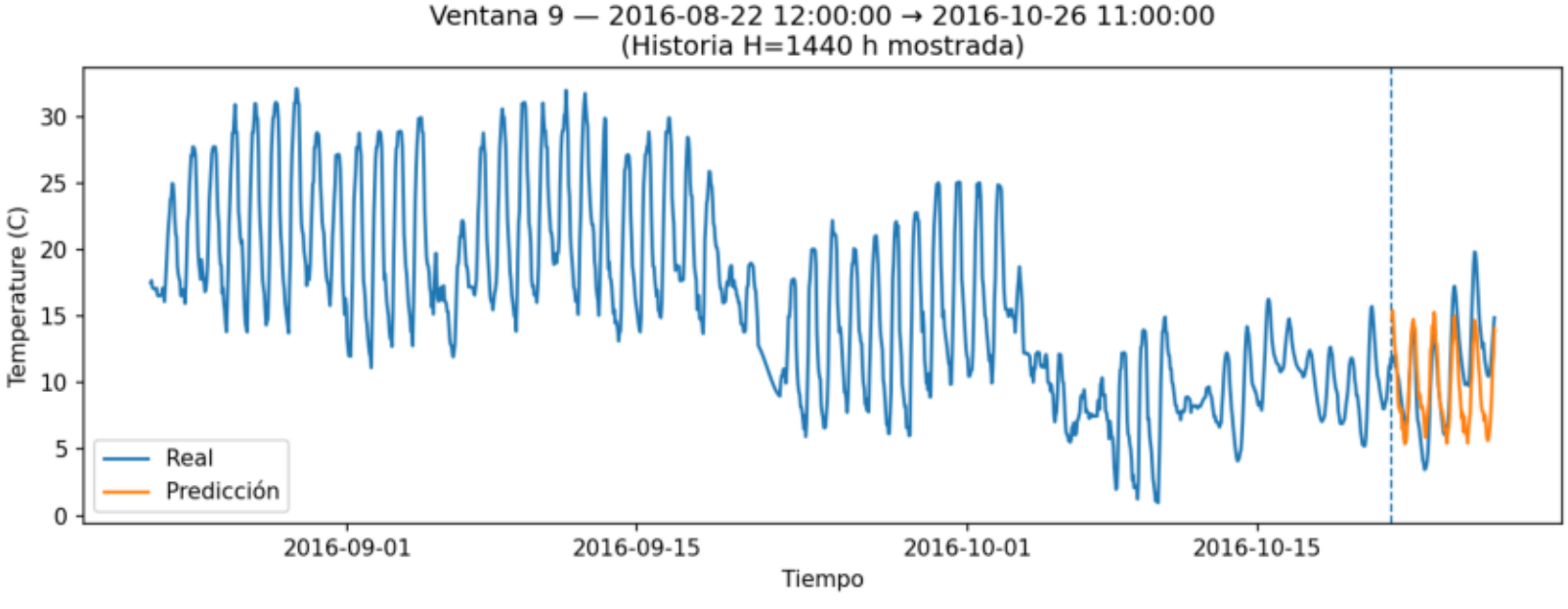

Ventana 4 — 2015-09-25 09:00:00 → 2015-11-29 08:00:00
(Historia H=1440 h mostrada)
Real
Predicción
Temperature (C)
25
20
15
10
5
0
2015-10-01
2015-10-15
2015-11-01
2015-11-15
2015-12-01
Tiempo

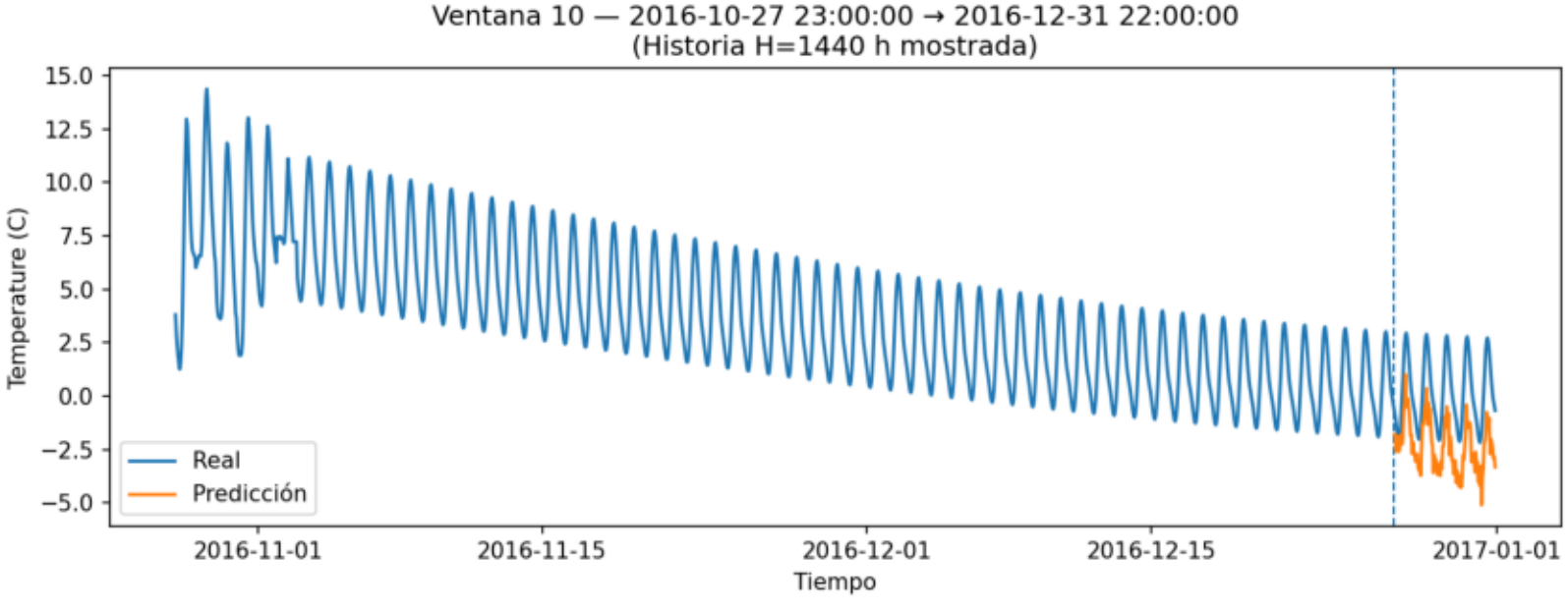

Ventana 5 — 2015-11-30 19:00:00 → 2016-02-03 18:00:00
(Historia H=1440 h mostrada)
Temperature (C)
15
10
5
0
−5
−10
Real
Predicción
2015-12-01
2015-12-15
2016-01-01
2016-01-15
2016-02-01
Tiempo


Ventana 6 — 2016-02-05 06:00:00 → 2016-04-10 05:00:00
(Historia H=1440 h mostrada)
Real
Predicción
Temperature (C)
25
20
15
10
5
0
2016-02-15
2016-03-01
2016-03-15
2016-04-01
Tiempo


Ventana 7 — 2016-04-11 16:00:00 → 2016-06-15 15:00:00
(Historia H=1440 h mostrada)
Real
Predicción
Temperature (C)
30
25
20
15
10
5
0
2016-04-15
2016-05-01
2016-05-15
2016-06-01
2016-06-15
Tiempo


Ventana 8 — 2016-06-17 02:00:00 → 2016-08-21 01:00:00
(Historia H=1440 h mostrada)
Temperature (C)
35
30
25
20
15
10
Real
Predicción
2016-06-15
2016-07-01
2016-07-15
2016-08-01
2016-08-15
Tiempo


Ventana 9 — 2016-08-22 12:00:00 → 2016-10-26 11:00:00
(Historia H=1440 h mostrada)
Temperature (C)
30
25
20
15
10
5
0
Real
Predicción
2016-09-01
2016-09-15
2016-10-01
2016-10-15
Tiempo


Ventana 10 — 2016-10-27 23:00:00 → 2016-12-31 22:00:00
(Historia H=1440 h mostrada)
Temperature (C)
15.0
12.5
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
Real
Predicción
2016-11-01
2016-11-15
2016-12-01
2016-12-15
2017-01-01
Tiempo