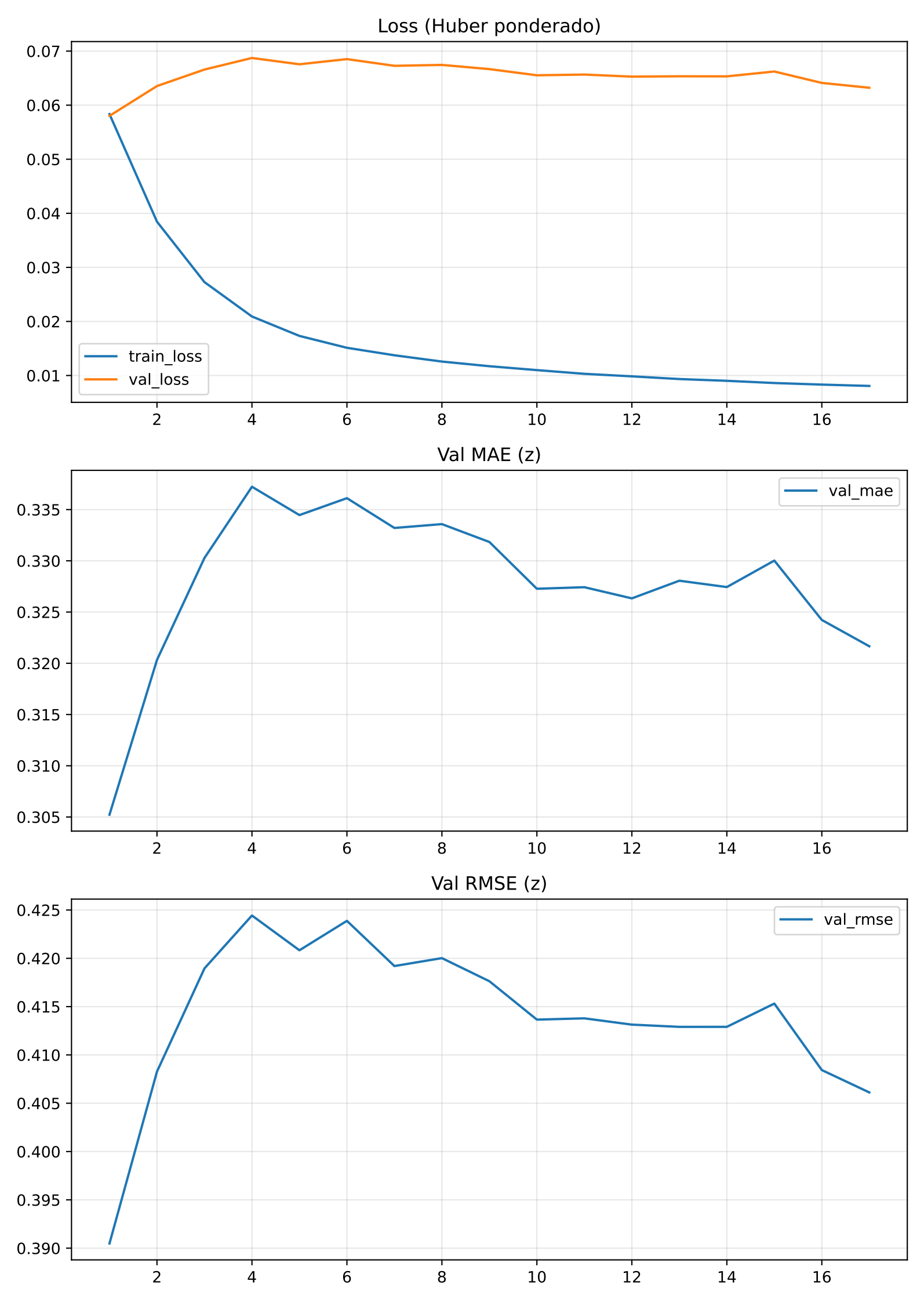
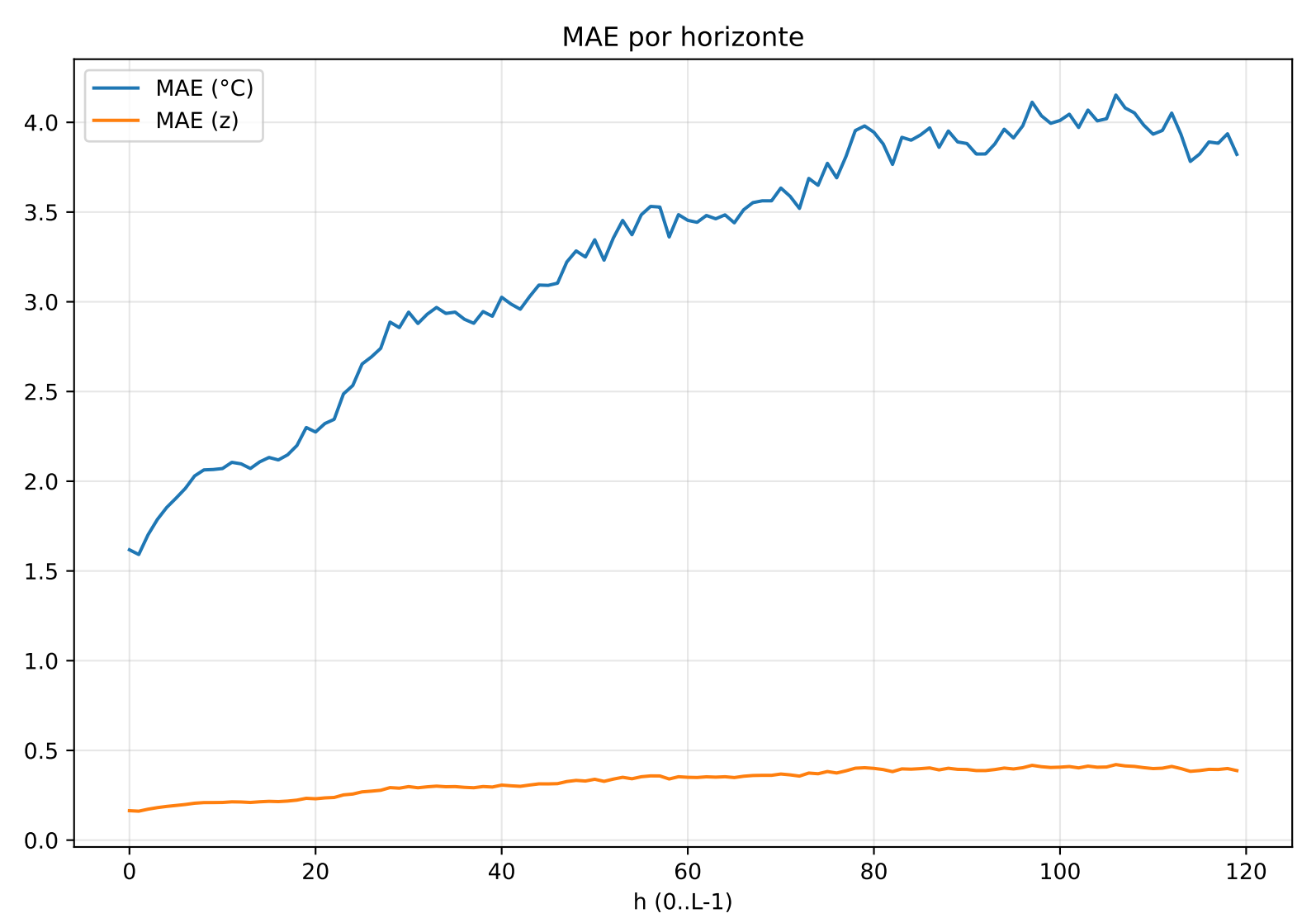
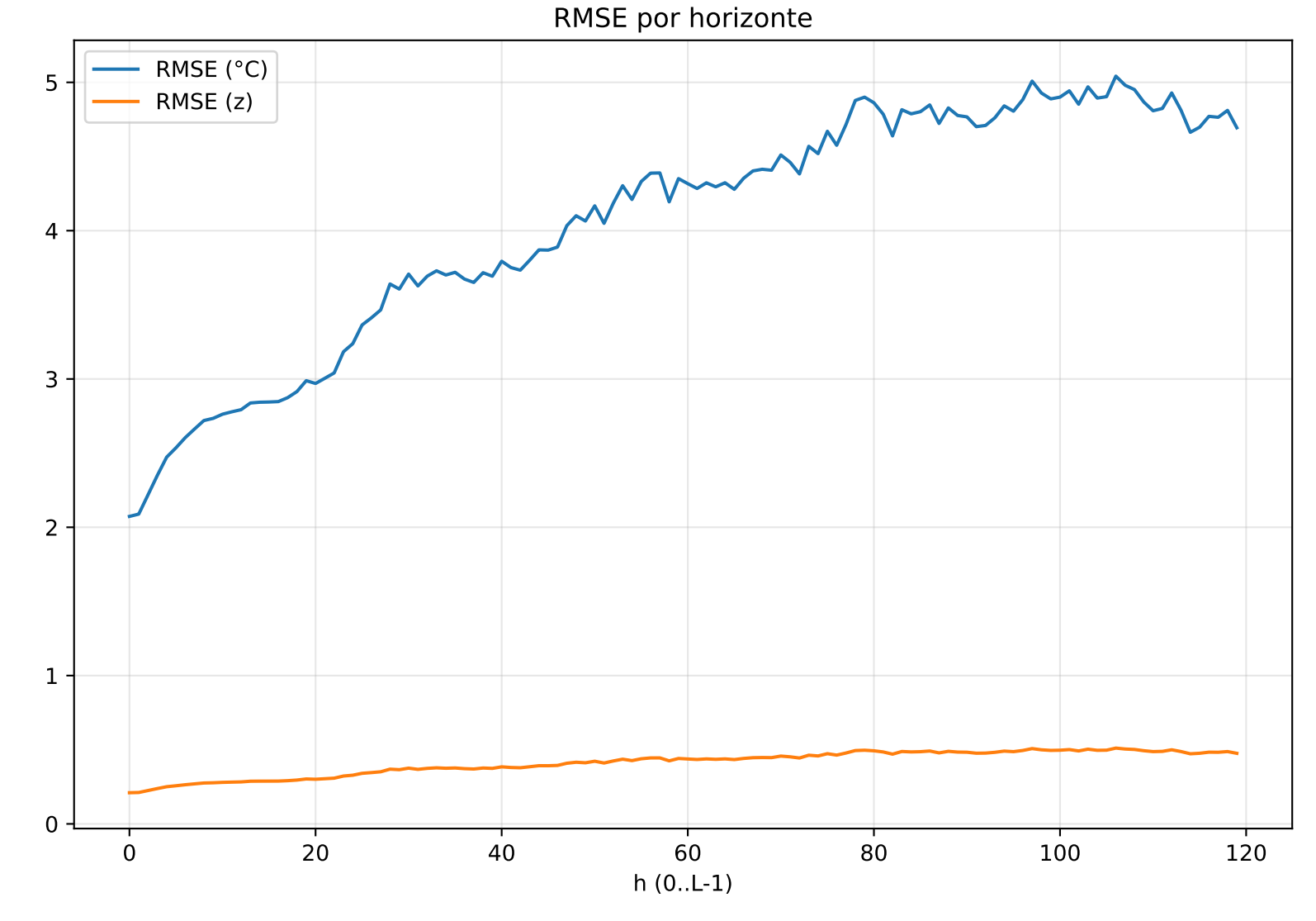
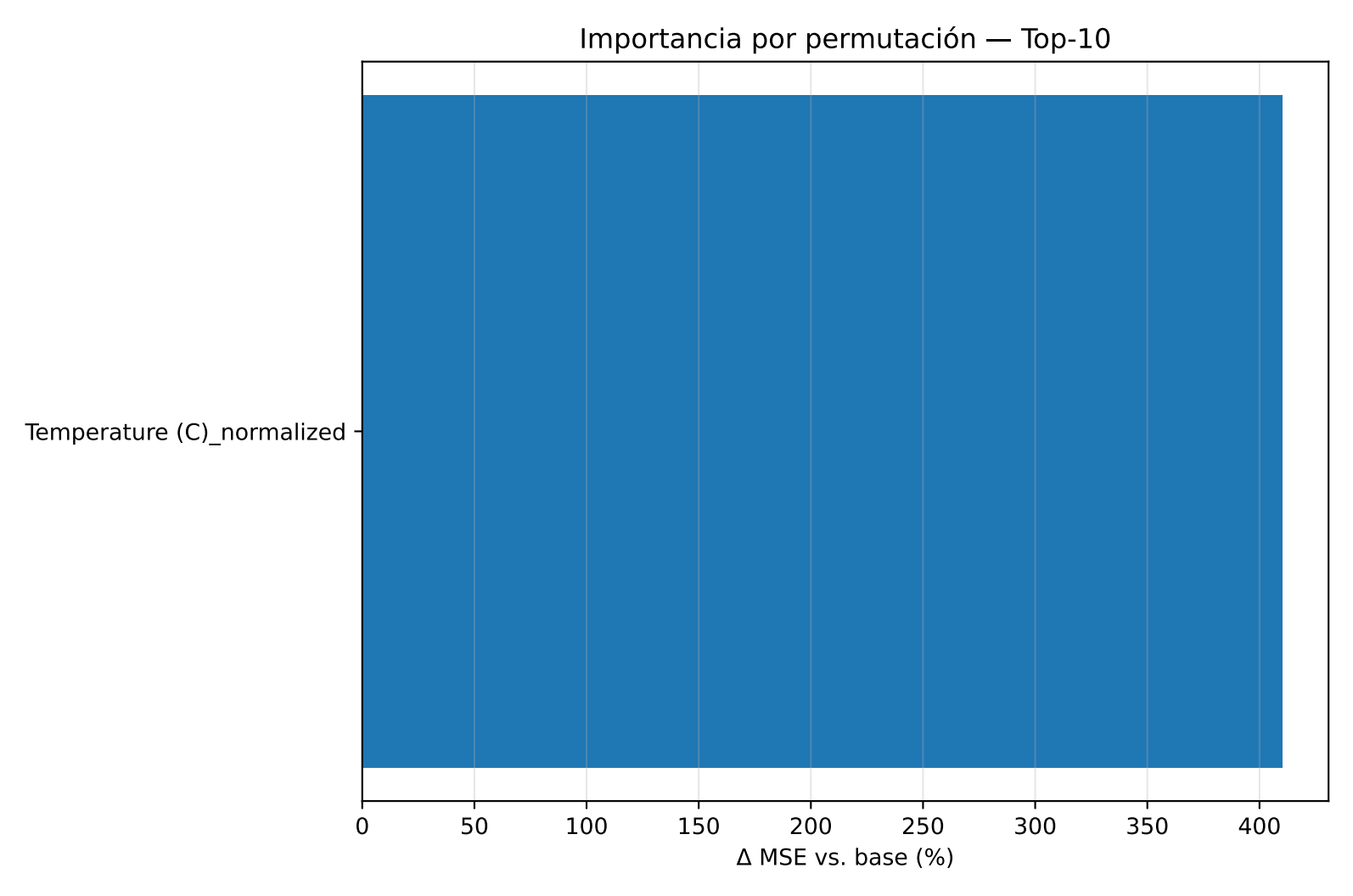
N-HiTS Multivariable — Resumen

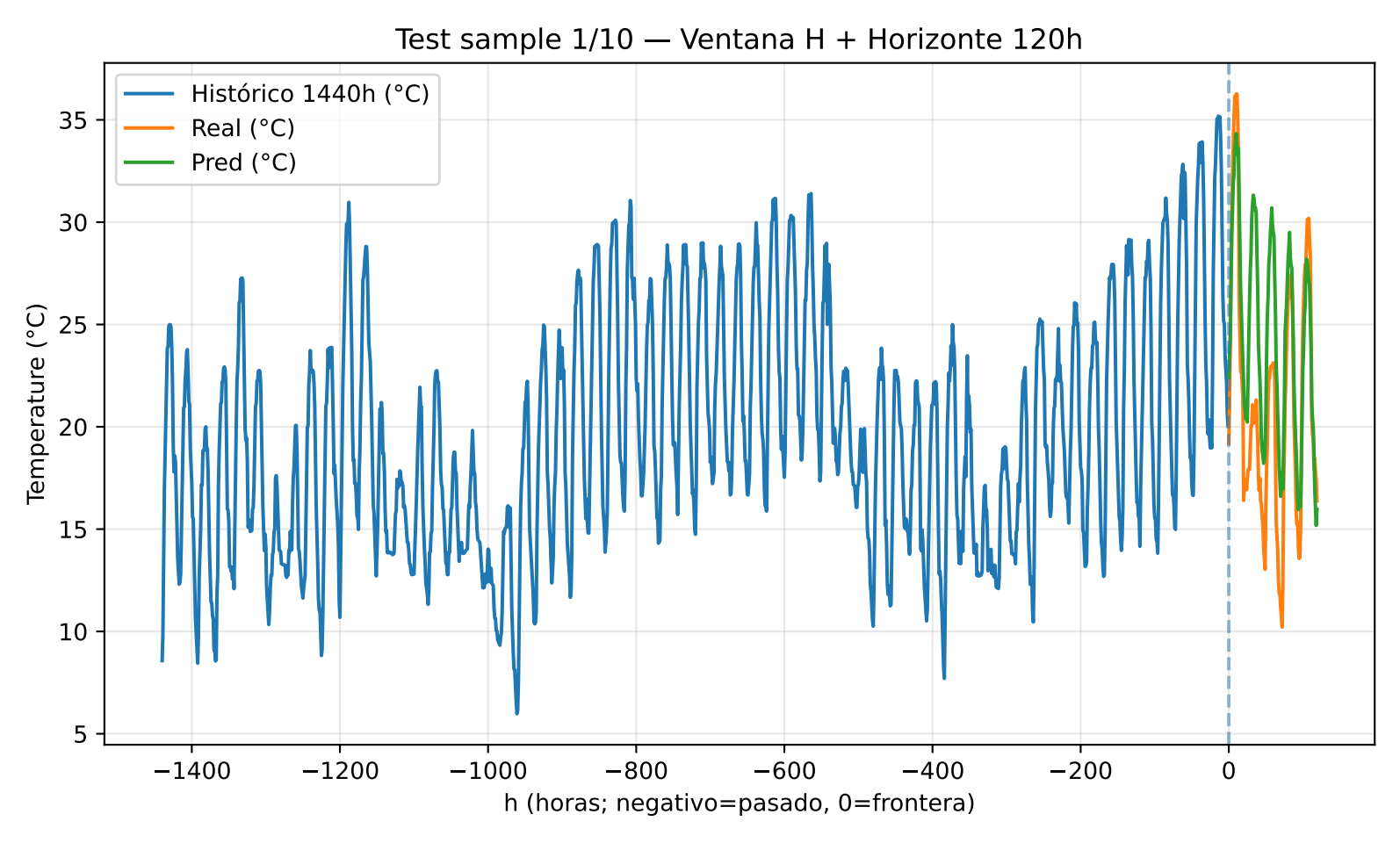
CSV: data/weatherHistory_normalize.csv
Target (z): Temperature (C)_normalized → real: Temperature (C) (train μ=11.931, σ=9
H=1440, L=120
POOL_SIZES=[1, 3, 6, 12, 24, 48, 168]
WIDTH=512, DEPTH/BLOCK=3, BLOCKS/SCALE=2
EPOCHS=150, BATCH=128, LR=0.0007
AMP=True, TF32=True, Patience=16
Features (D=1):
Temperature (C)_normalized

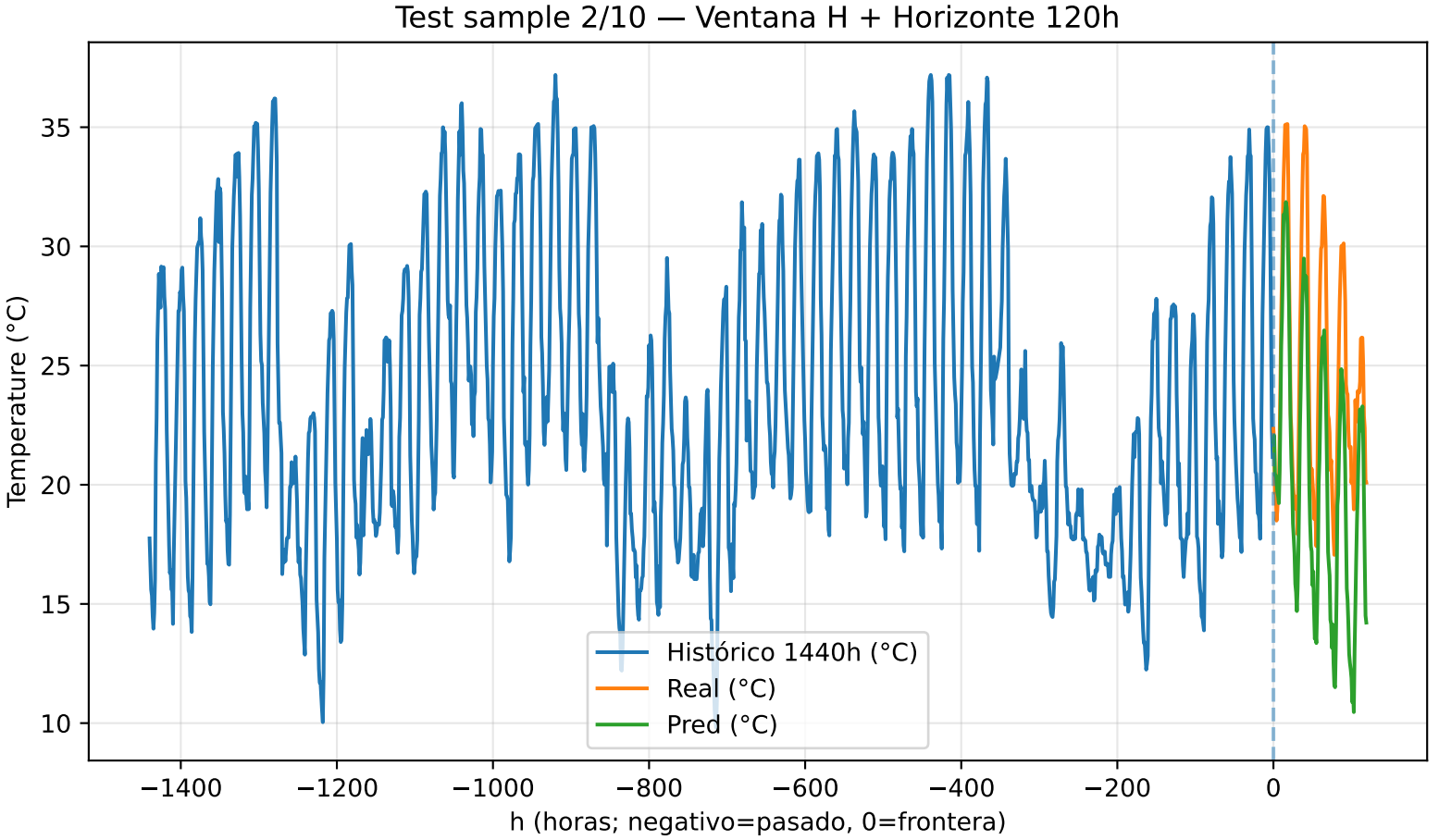

Loss (Huber ponderado)
train_loss
val_loss
Val MAE (z)
val_mae
Val RMSE (z)
val_rmse

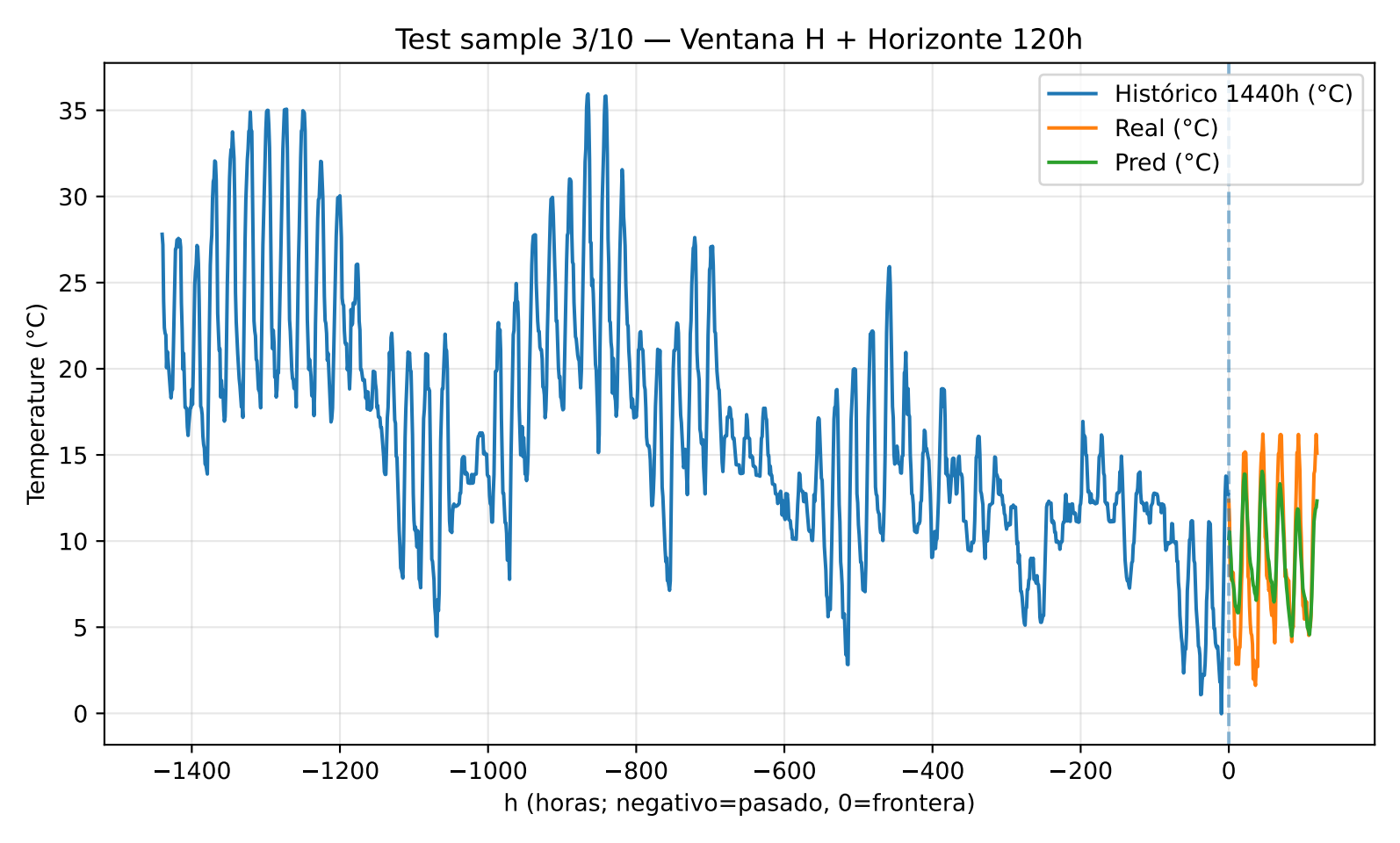

MAE por horizonte
MAE (°C)
MAE (z)
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
h (0..L-1)

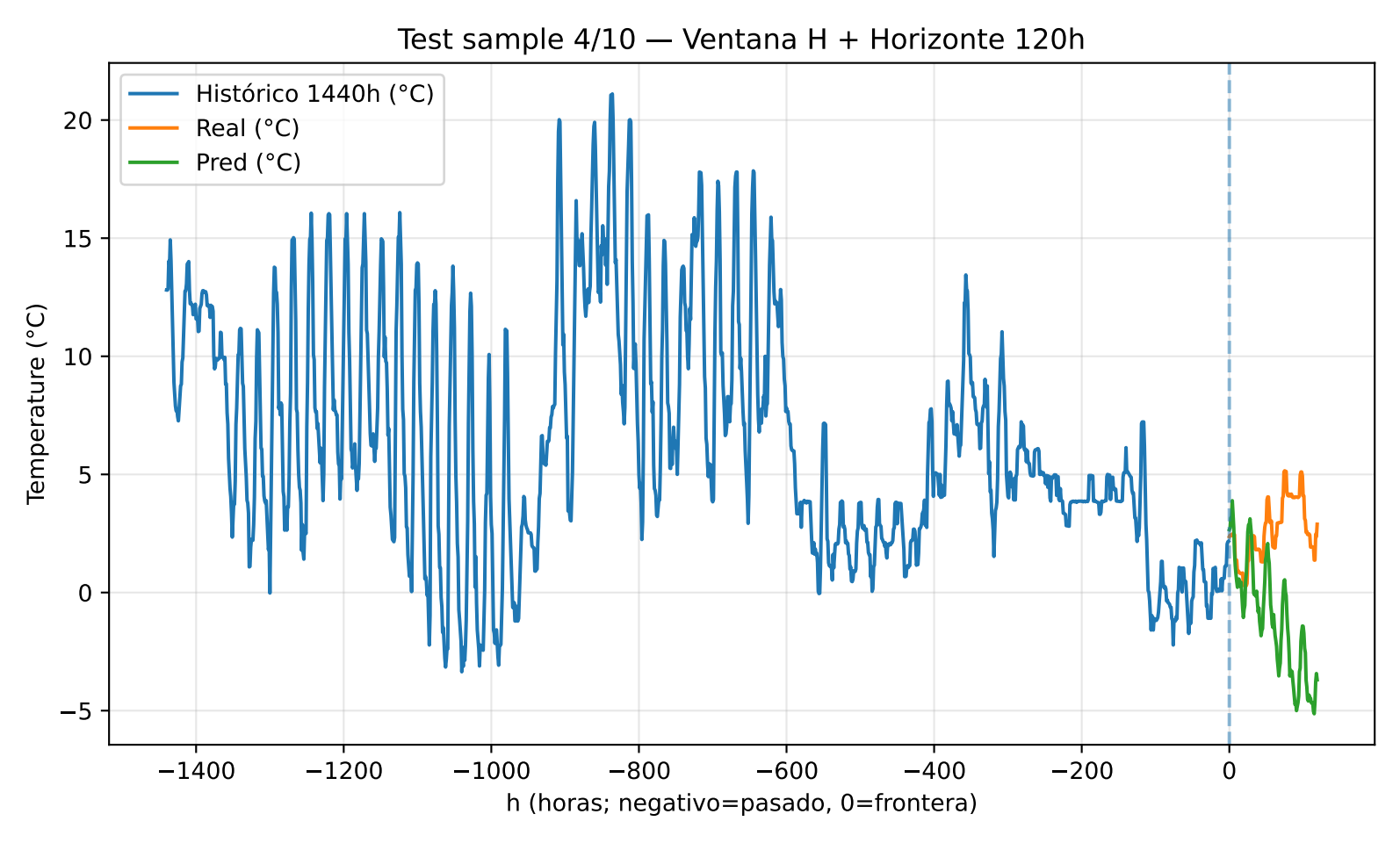

RMSE por horizonte
RMSE (°C)
RMSE (z)
5
4
3
2
1
0
0
20
40
60
80
100
120
h (0..L-1)

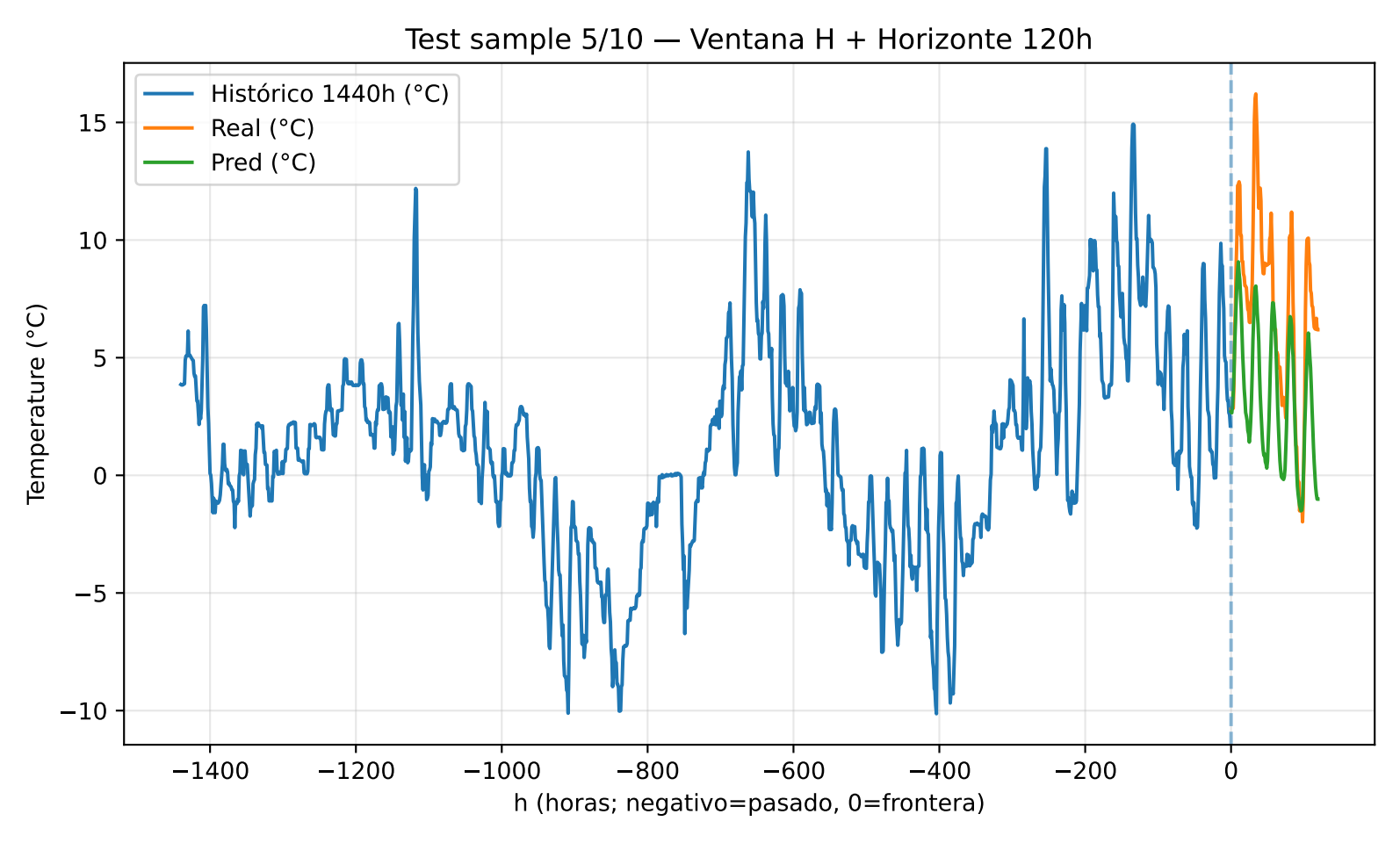

Importancia por permutación — Top-10
Temperature (C)_normalized
0
50
100
150
200
250
300
350
400
Δ MSE vs. base (%)

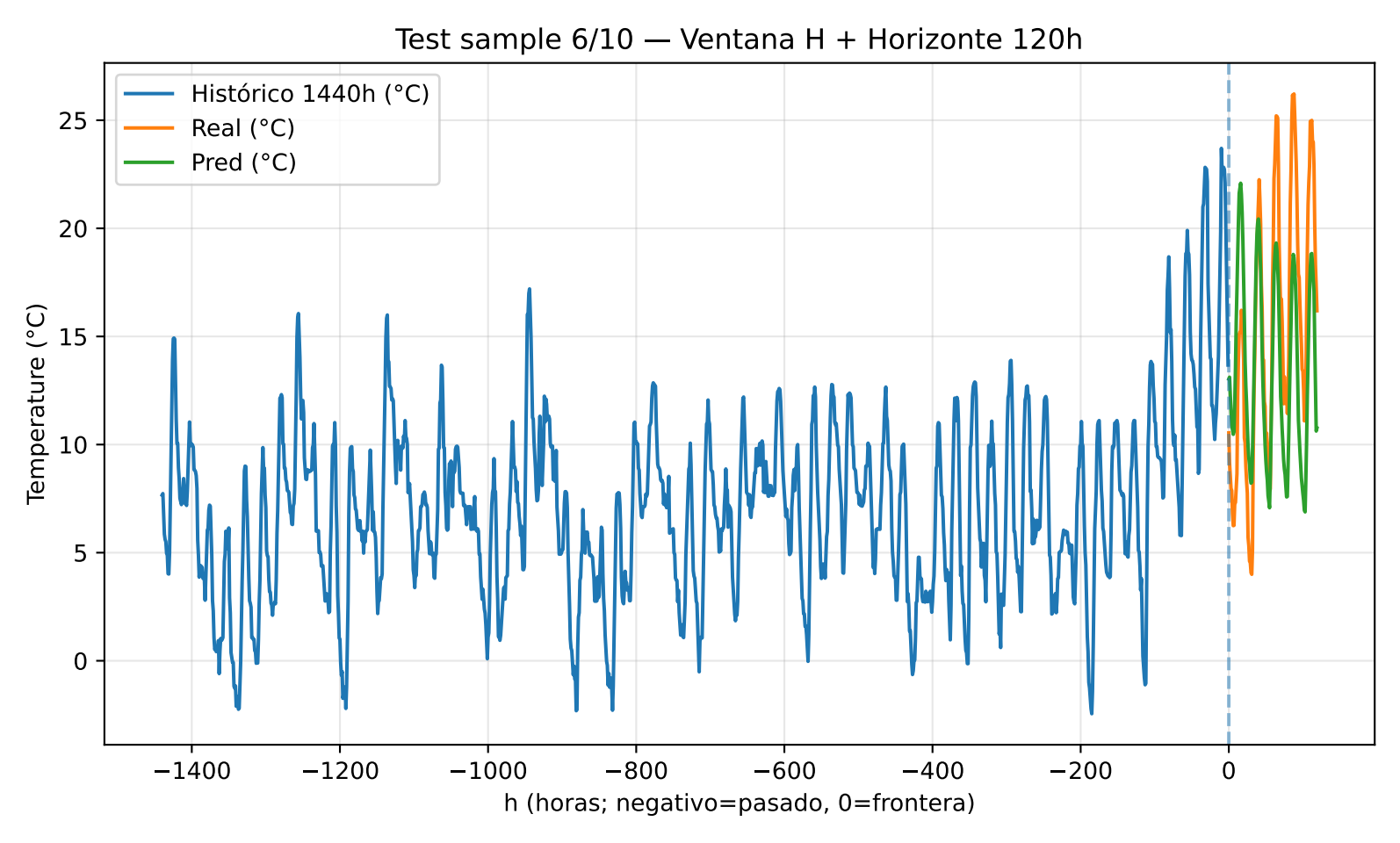

Test sample 1/10 — Ventana H + Horizonte 120h
Histórico 1440h (°C)
Real (°C)
Pred (°C)
Temperature (°C)
35
30
25
20
15
10
5
−1400
−1200
−1000
−800
−600
−400
−200
0
h (horas; negativo=pasado, 0=frontera)

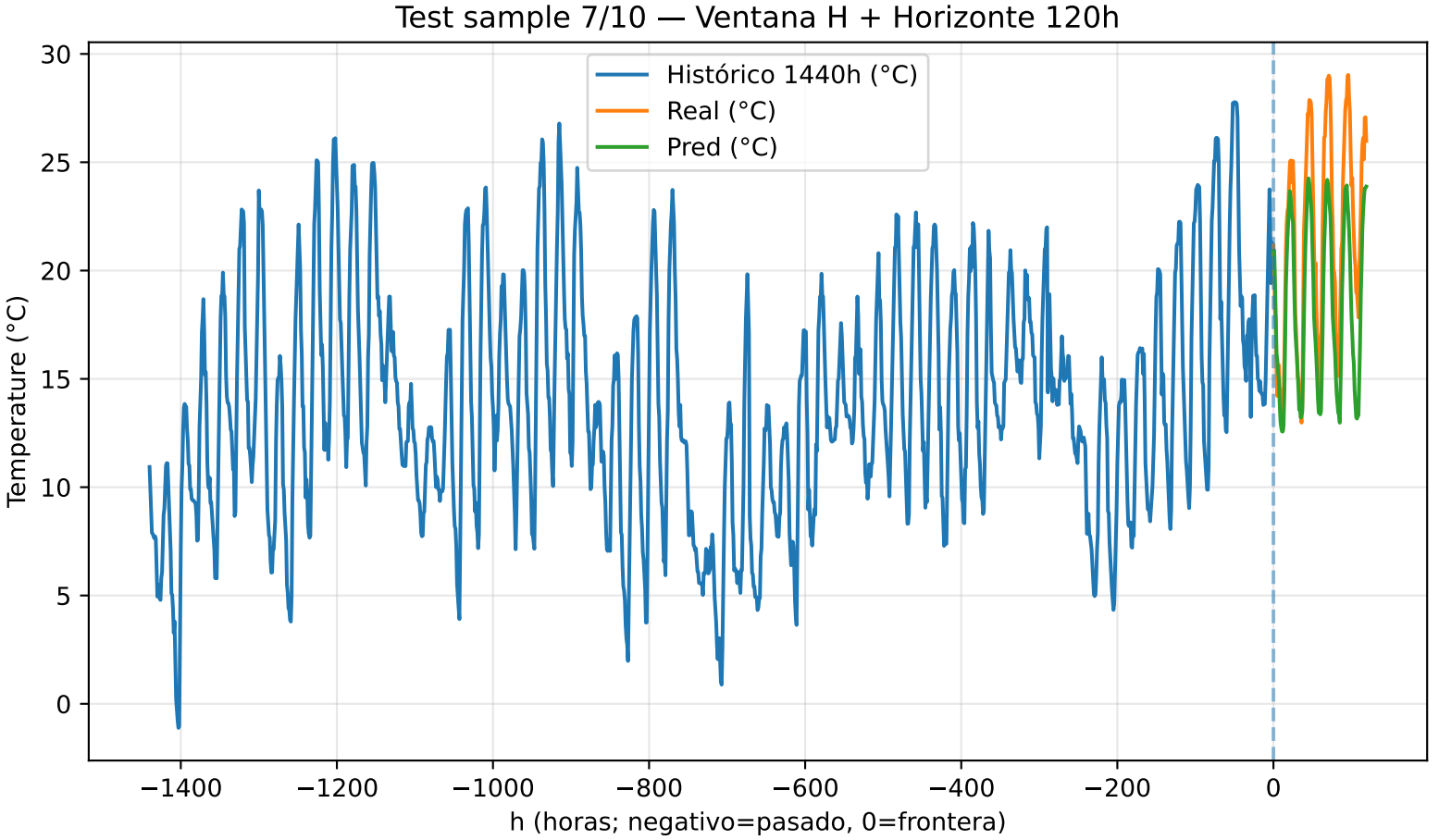

Test sample 2/10 — Ventana H + Horizonte 120h
Temperature (°C)
35
30
25
20
15
10
−1400
−1200
−1000
−800
−600
−400
−200
0
h (horas; negativo=pasado, 0=frontera)
Histórico 1440h (°C)
Real (°C)
Pred (°C)

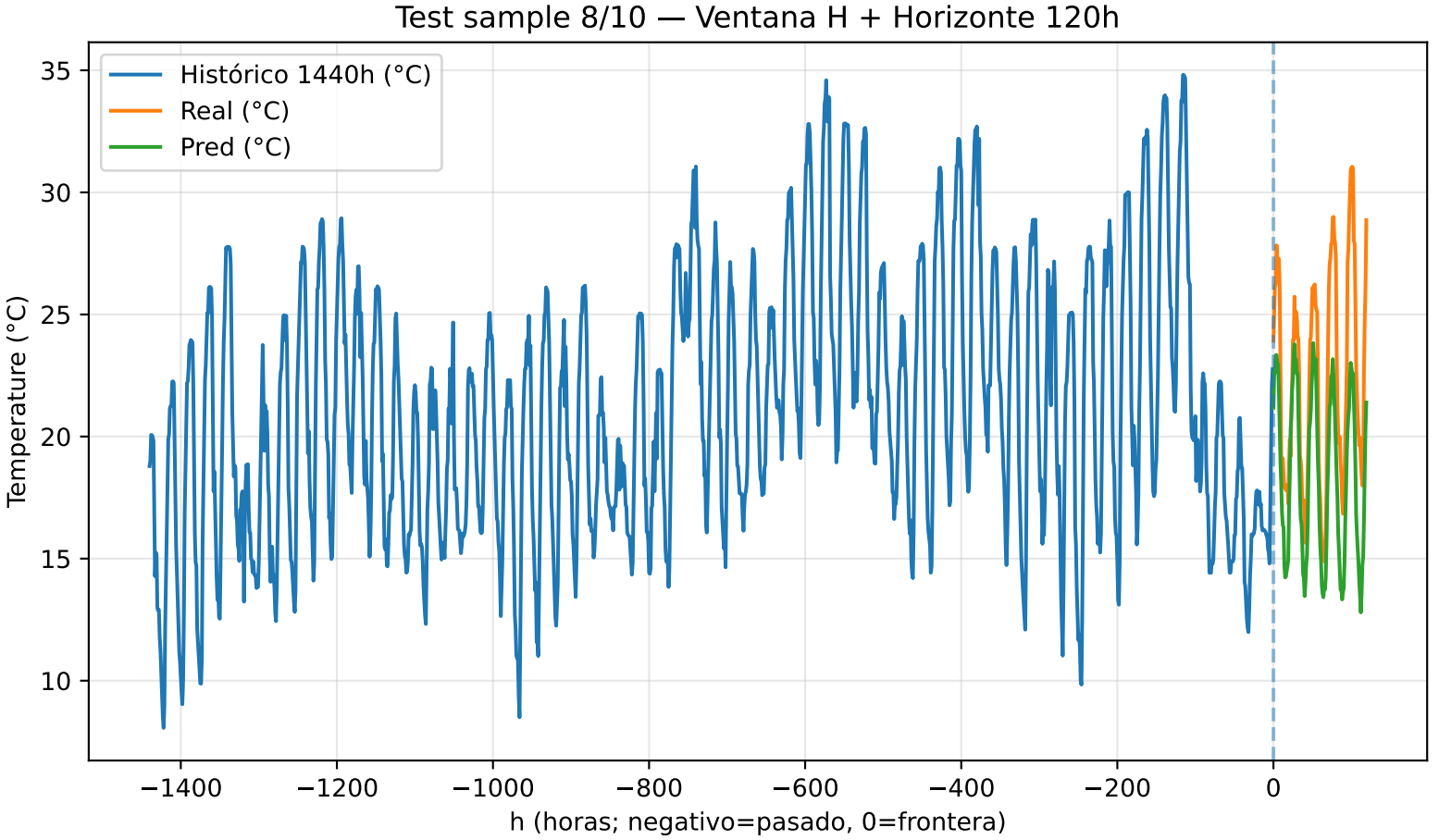

Test sample 3/10 — Ventana H + Horizonte 120h
Histórico 1440h (°C)
Real (°C)
Pred (°C)
Temperature (°C)
35
30
25
20
15
10
5
0
−1400
−1200
−1000
−800
−600
−400
−200
0
h (horas; negativo=pasado, 0=frontera)

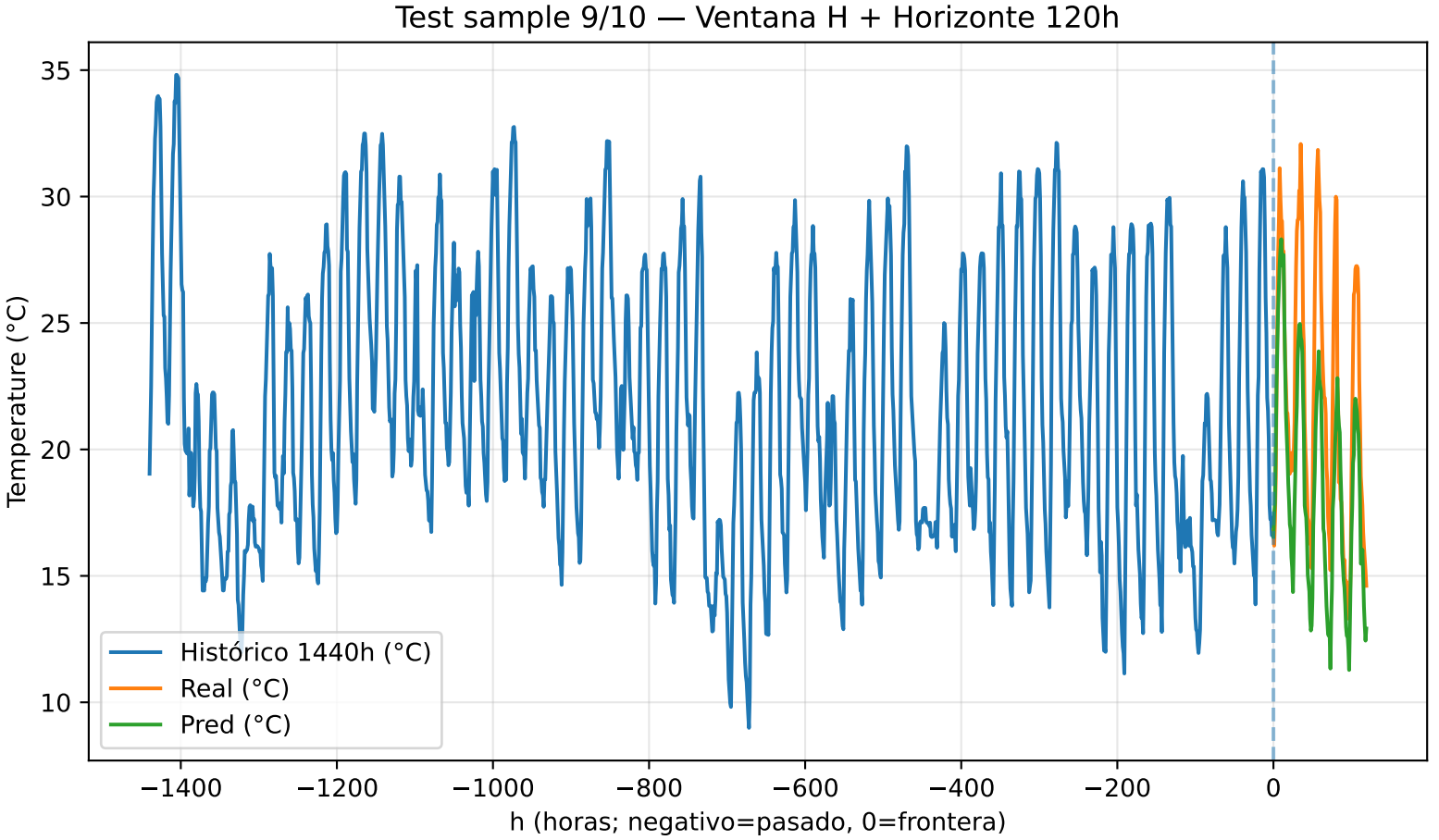

Test sample 4/10 — Ventana H + Horizonte 120h
Histórico 1440h (°C)
Real (°C)
Pred (°C)
Temperature (°C)
20
15
10
5
0
−5
−1400
−1200
−1000
−800
−600
−400
−200
0
h (horas; negativo=pasado, 0=frontera)

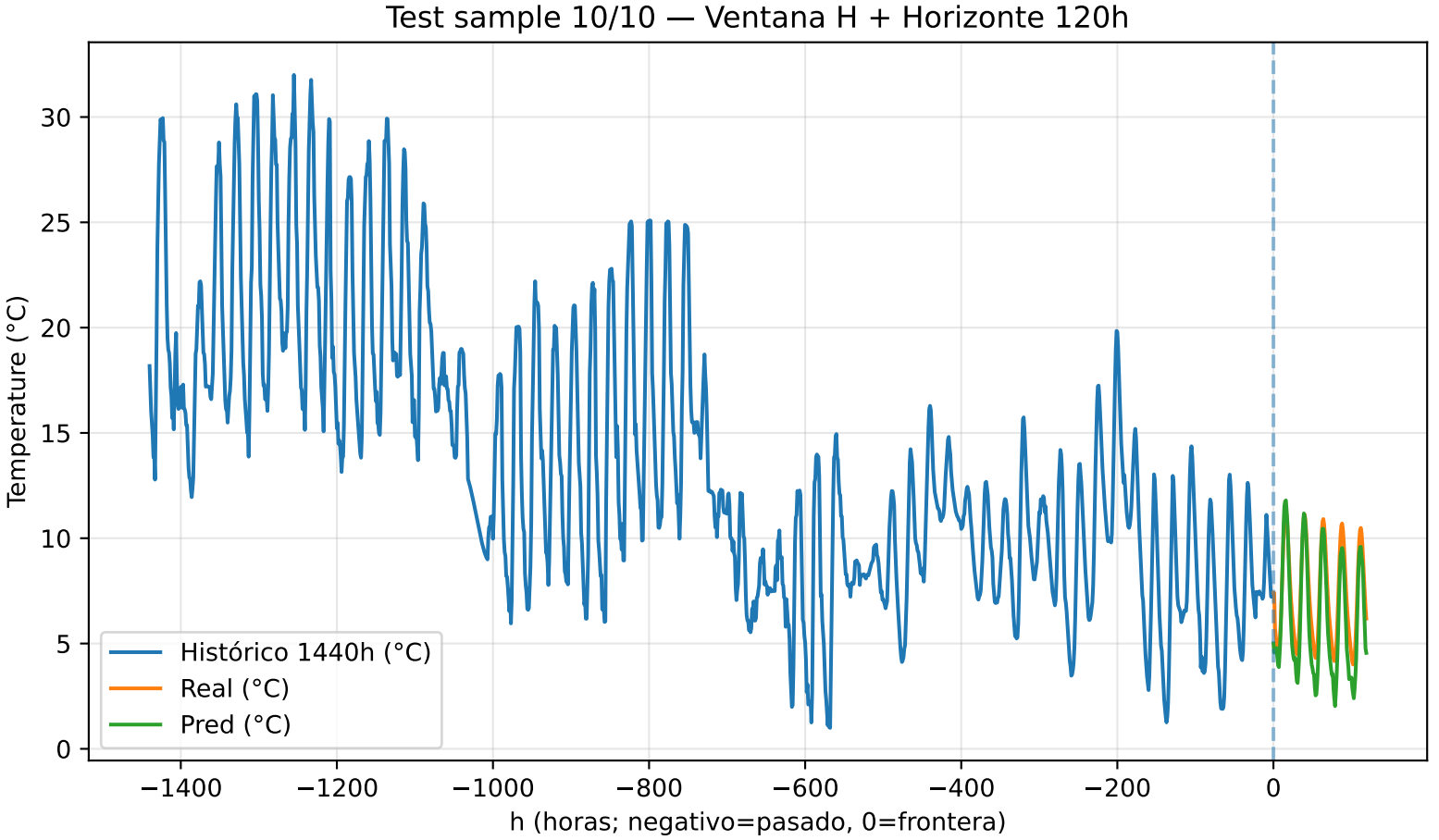

Test sample 5/10 — Ventana H + Horizonte 120h
Histórico 1440h (°C)
Real (°C)
Pred (°C)
Temperature (°C)
15
10
5
0
−5
−10
−1400
−1200
−1000
−800
−600
−400
−200
0
h (horas; negativo=pasado, 0=frontera)


Test sample 6/10 — Ventana H + Horizonte 120h
Histórico 1440h (°C)
Real (°C)
Pred (°C)
Temperature (°C)
25
20
15
10
5
0
−1400
−1200
−1000
−800
−600
−400
−200
0
h (horas; negativo=pasado, 0=frontera)


Test sample 7/10 — Ventana H + Horizonte 120h
Histórico 1440h (°C)
Real (°C)
Pred (°C)
Temperature (°C)
30
25
20
15
10
5
0
−1400
−1200
−1000
−800
−600
−400
−200
0
h (horas; negativo=pasado, 0=frontera)


Test sample 8/10 — Ventana H + Horizonte 120h
Histórico 1440h (°C)
Real (°C)
Pred (°C)
Temperature (°C)
35
30
25
20
15
10
−1400
−1200
−1000
−800
−600
−400
−200
0
h (horas; negativo=pasado, 0=frontera)


Test sample 9/10 — Ventana H + Horizonte 120h
Temperature (°C)
35
30
25
20
15
10
−1400
−1200
−1000
−800
−600
−400
−200
0
h (horas; negativo=pasado, 0=frontera)
Histórico 1440h (°C)
Real (°C)
Pred (°C)


Test sample 10/10 — Ventana H + Horizonte 120h
Temperature (°C)
0
5
10
15
20
25
30
−1400
−1200
−1000
−800
−600
−400
−200
0
h (horas; negativo=pasado, 0=frontera)
Histórico 1440h (°C)
Real (°C)
Pred (°C)