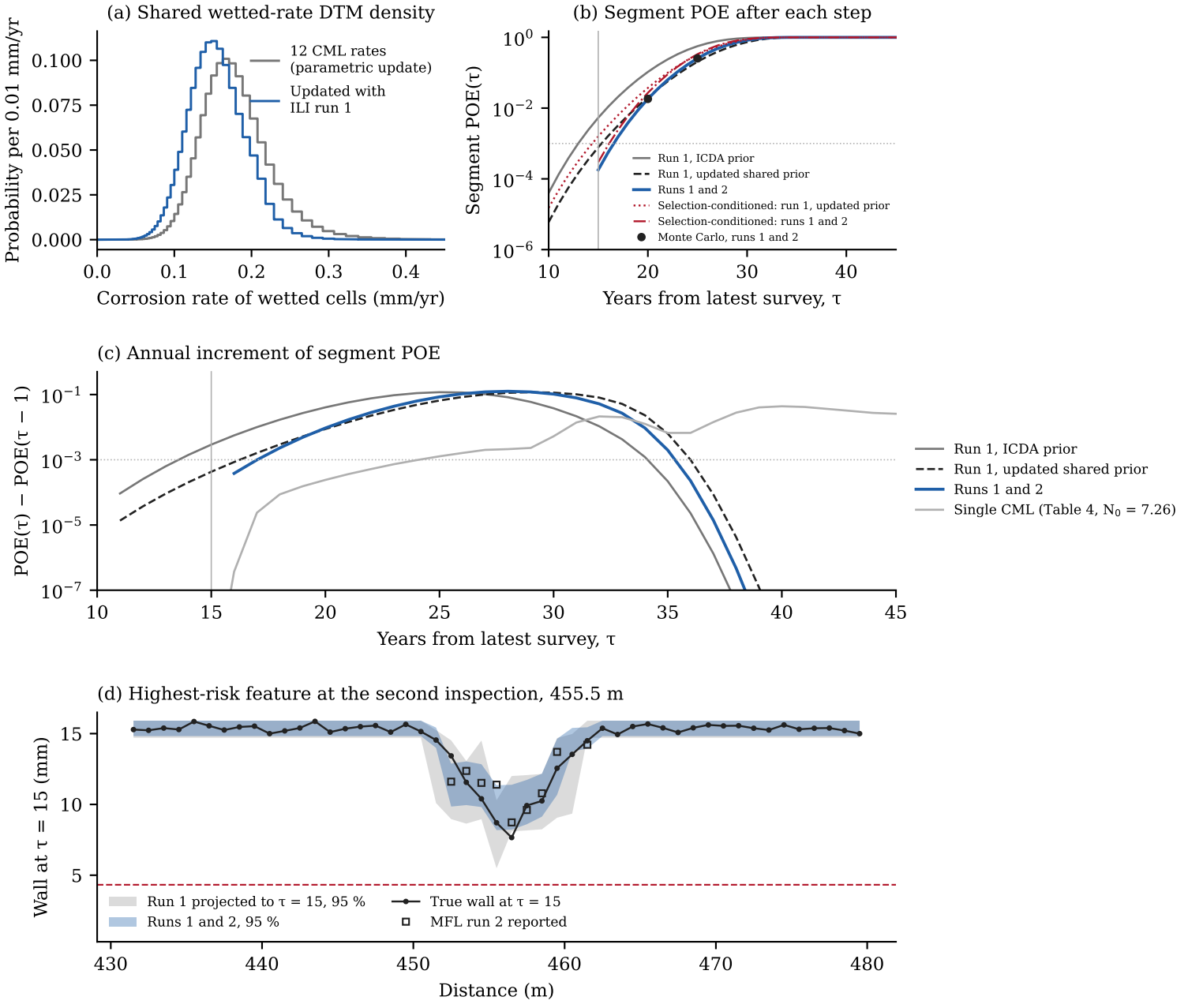
(a) Shared wetted-rate DTM density
Probability per 0.01 mm/yr
0.100
0.075
0.050
0.025
0.000
12 CML rates
(parametric update)
Updated with
ILI run 1
0.0
0.1
0.2
0.3
0.4
Corrosion rate of wetted cells (mm/yr)
(b) Segment POE after each step
Segment POE(τ)
10^{0}
10^{-2}
10^{-4}
10^{-6}
Run 1, ICDA prior
Run 1, updated shared prior
Runs 1 and 2
Selection-conditioned: run 1, updated prior
Selection-conditioned: runs 1 and 2
Monte Carlo, runs 1 and 2
10
20
30
40
Years from latest survey, τ
(c) Annual increment of segment POE
POE(τ) − POE(τ − 1)
10^{-1}
10^{-3}
10^{-5}
10^{-7}
10
15
20
25
30
35
40
45
Years from latest survey, τ
Run 1, ICDA prior
Run 1, updated shared prior
Runs 1 and 2
Single CML (Table 4, N_0 = 7.26)
(d) Highest-risk feature at the second inspection, 455.5 m
Wall at τ = 15 (mm)
15
10
5
Run 1 projected to τ = 15, 95 %
Runs 1 and 2, 95 %
True wall at τ = 15
MFL run 2 reported
430
440
450
460
470
480
Distance (m)