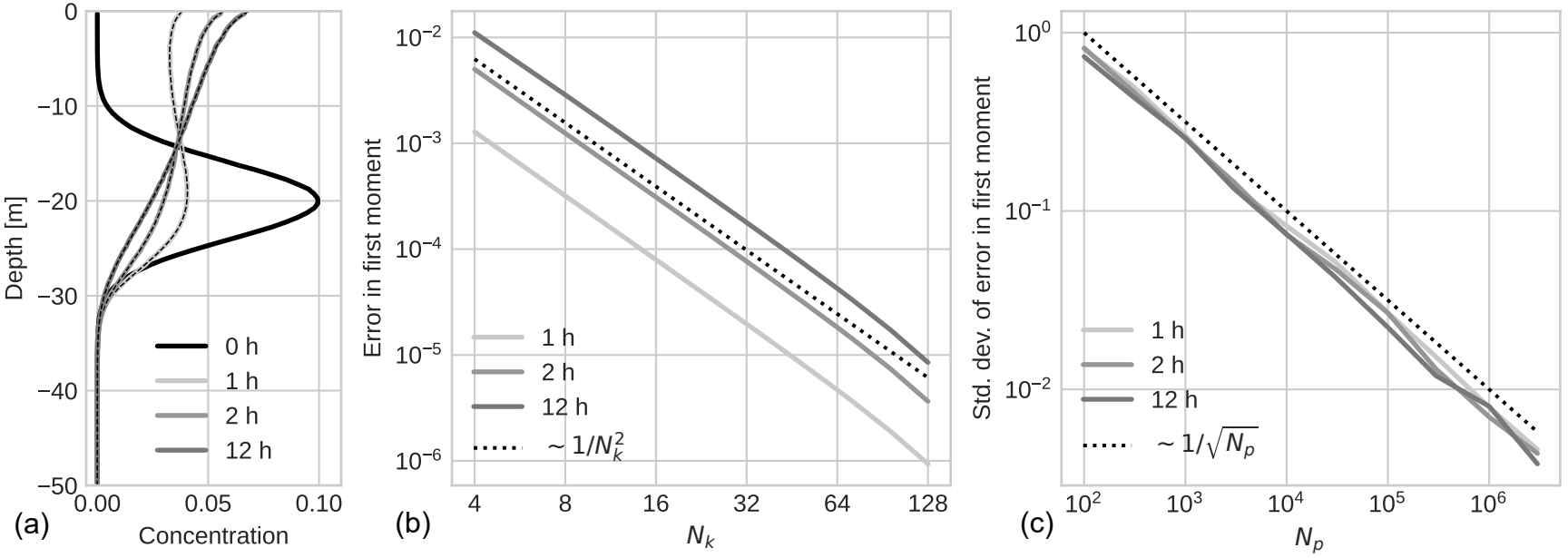
(a)
Depth [m]
0
−10
−20
−30
−40
−50
0.00
0.05
0.10
Concentration
0 h
1 h
2 h
12 h
(b)
Error in first moment
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
4
8
16
32
64
128
N_k
1 h
2 h
12 h
$\sim 1/N_k^2$
(c)
Std. dev. of error in first moment
10^{0}
10^{-1}
10^{-2}
10^{2}
10^{3}
10^{4}
10^{5}
10^{6}
N_p
1 h
2 h
12 h
$\sim 1/\sqrt{N_p}$