Small-scale Roughness in the Atmospheric Boundary Layer

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DNS of Ekman flow
Roughness elements: 56²
Friction Reynolds Nr.: Reτ=2154
Grid [nx x ny x nz]: [3072² x 656]
Displayed variable: log(||Δs||) {s: passive scalar; Sc=1}
DNS code [TLab]: https://github.com/turbulencia/tlab