Biogeosciences

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Supplement of

Large-eddy simulations of surface roughness parameter sensitivity to canopy-structure characteristics
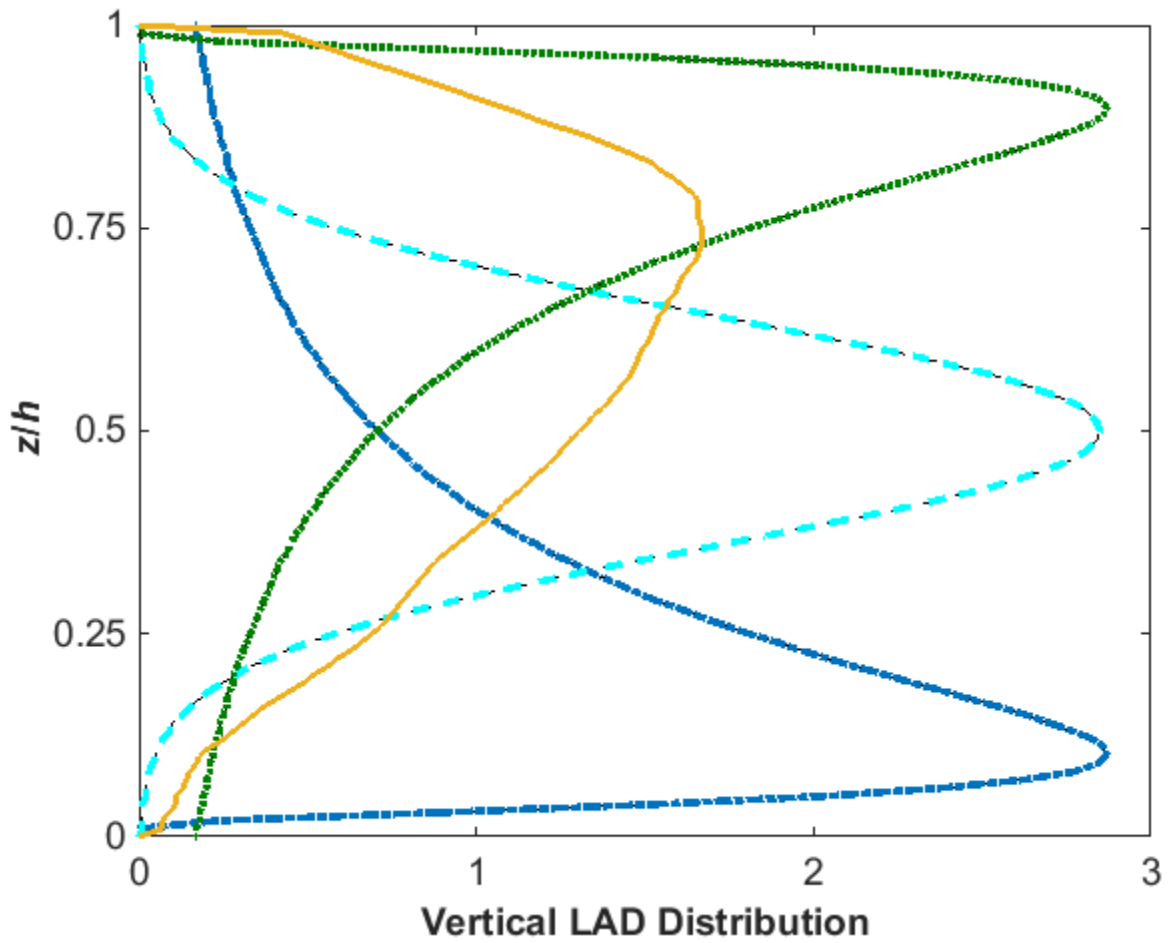
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1   **Supplement: Simulation setup details**

2   **Figure S.1: '**Lower' (-··-) blue; 'Middle' (---) cyan; 'Upper' (···) green; and 'Natural' (solid line)

3   yellow (mean observed in the US-UMB forest plot), vertical LAD profiles used in virtual canopies

4   for RAFLES simulations.

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Figure S.2: Height maps for varied plot-level gap fractions: (a) 100%, (b) 50%, (c) 35%, (d) 25%, (e) 10%, and (f) 0%. Here, gap fraction refers to the percentage of the canopy described by h_L ($h = 9$ m, blue) as opposed to h_H ($h = 27$ m, green). Distance along the simulation domain is in meters.