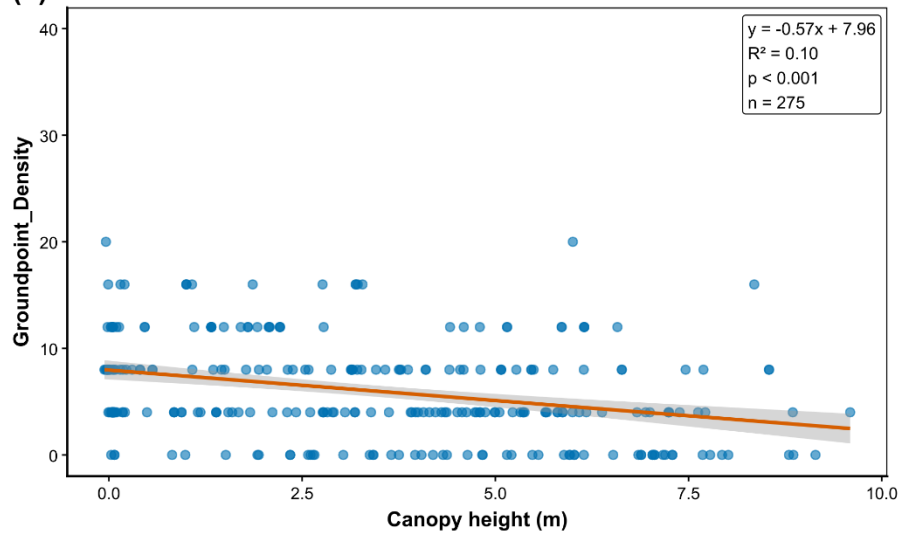


Supplementary Information for

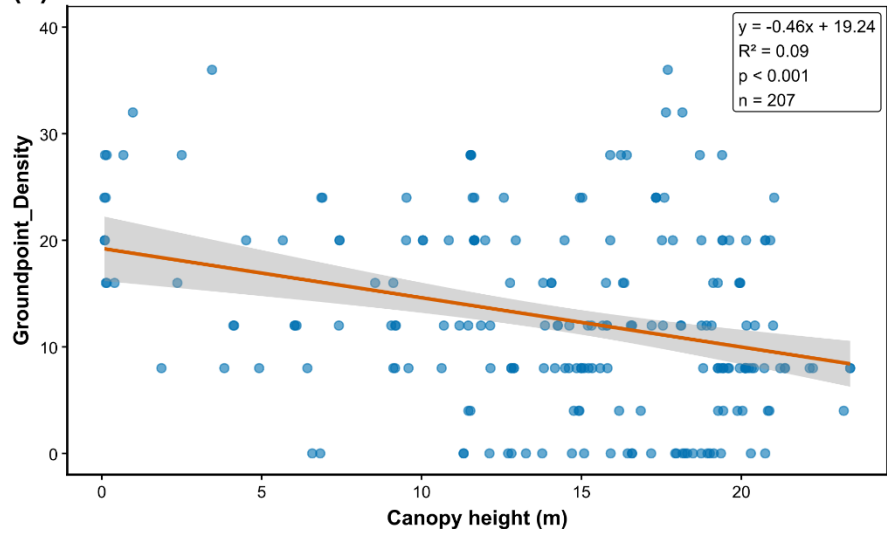
**Performance and Controlling Factors of Airborne LiDAR Snow
Depth Estimates in Boreal Forests: Insights from NASA SnowEx 2023 Alaska
Campaign**

Jipeng Liu¹, Eunsang Cho¹, Carrie Vuyovich²

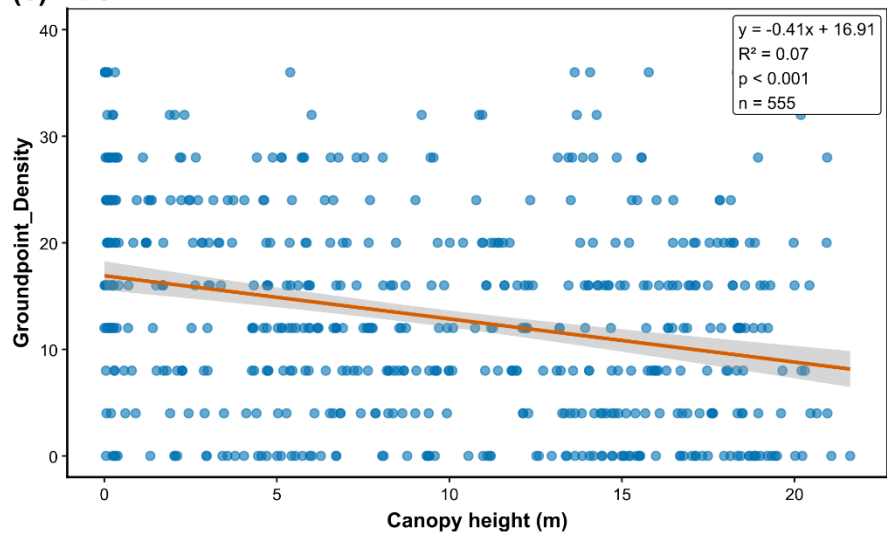
(a) CPCRW



(b) BCEF



(c) FLCF



FigS1: Relationship between Canopy Height and Ground Point Density

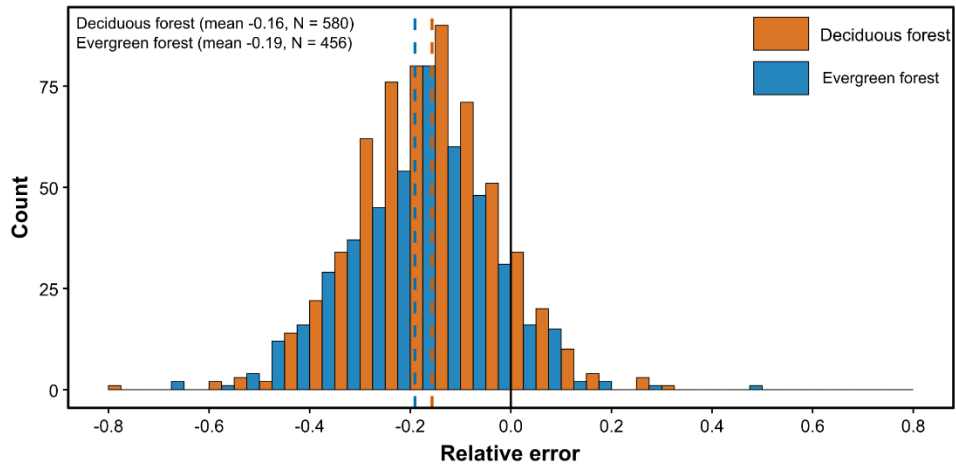


Figure S2: Relative Error Distribution by Vegetation Type

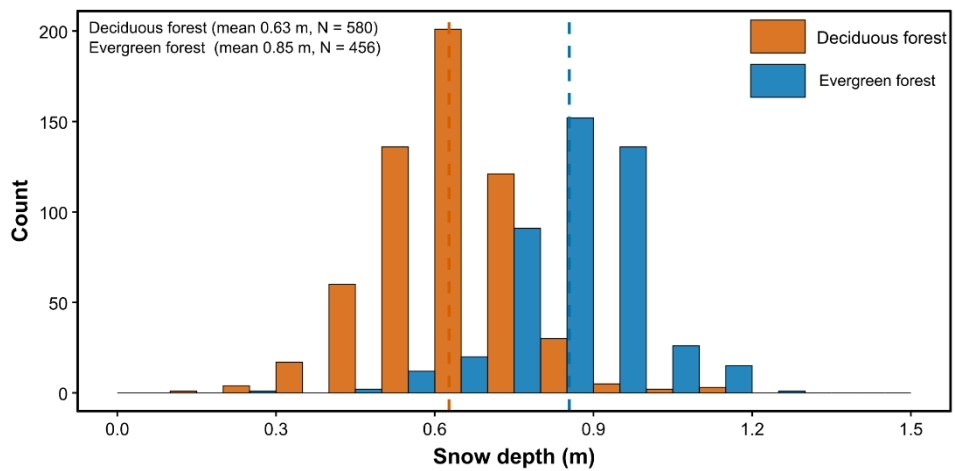


Figure S3: Snow Depth Distribution by Vegetation Type

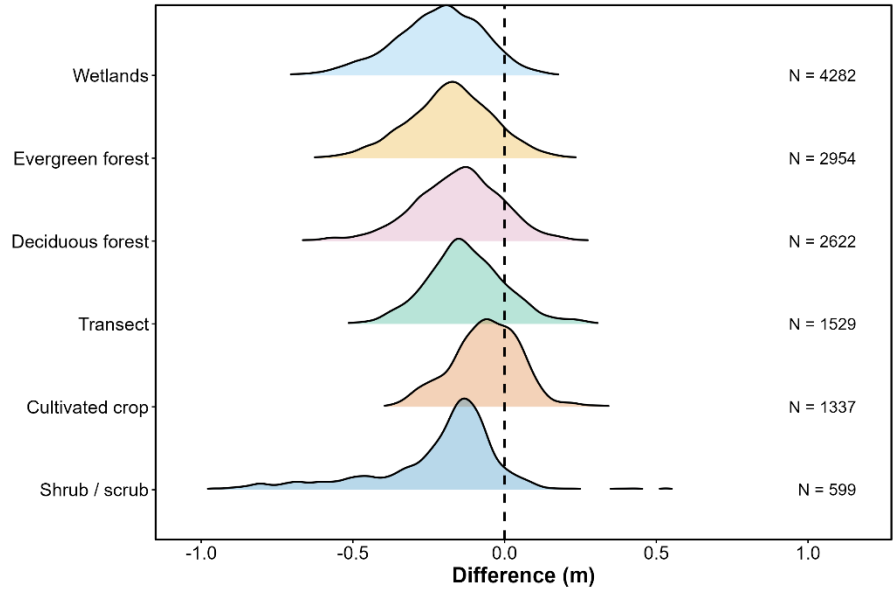


Figure S4: Distribution of LiDAR–In Situ Snow Depth Differences by Vegetation Type

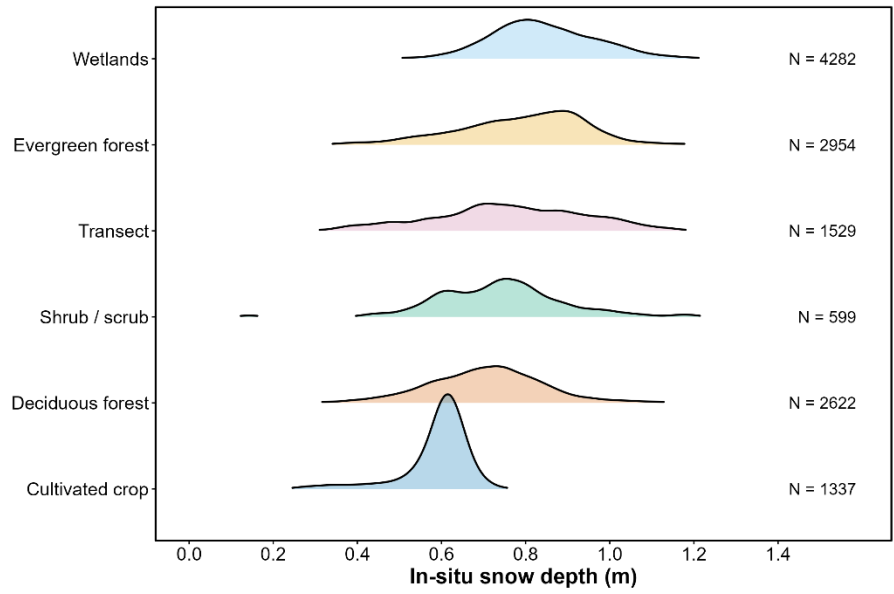


Figure S5: Distribution of In Situ Snow Depth by Vegetation Type