



# Antarctic Ice Modeling Improvements for Cross-Sensor Calibration

Nathan Porter and David Long  
Brigham Young University

Volume Component      Surface Component

$$\sigma_0 = 10 \log_{10} \left[ \underbrace{\sigma_v(\theta_i) M_v(\theta_a)}_{\text{Volume Component}} + \underbrace{\sigma_s(\theta_i) M_s(\theta_a)}_{\text{Surface Component}} \right] + \mathbf{C}$$

