

SLOPE MEASUREMENTS

Abstract:

In this paper, the circular polarization coherence, $|\rho_{RRLL}|$, is investigated as a potential estimator of terrain surface roughness and small-scale slopes. The studies utilize microwave backscatter collected from 1) dielectric surfaces in an anechoic chamber and 2) a desert test site using P-, L-, and C-band NASA/JPL AIRSAR data.