

THE EFFECT OF THE HAWAIIAN RIDGE ON MESOSCALE VARIABILITY  
RESULTS FROM TOPEX/POSEIDON

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## ABSTRACT

This study examines the effect of the Hawaiian Ridge on the mesoscale variability in the region. Previously, eddy-resolving models have not well simulated the variability near the Hawaiian Ridge. The goal of the present study is two-fold. First, it is to provide a description of the mesoscale variability near the Hawaiian Ridge from the TOPEX/Poseidon altimetry data. The variability will be described statistically, as it relates to physical features, and in terms of its spatial structure. Second, the goal is to better understand the dynamics behind the variability related to the Hawaiian Ridge.