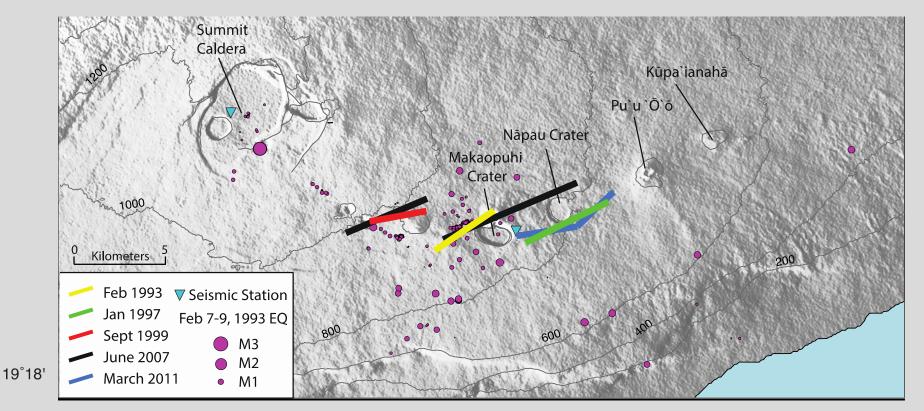
Characterizing the 1993 Dike Intrusion at Kilauea Volcano, Hawaii

Modeled Dikes from Kilauea's East Rift Zone (ERZ)





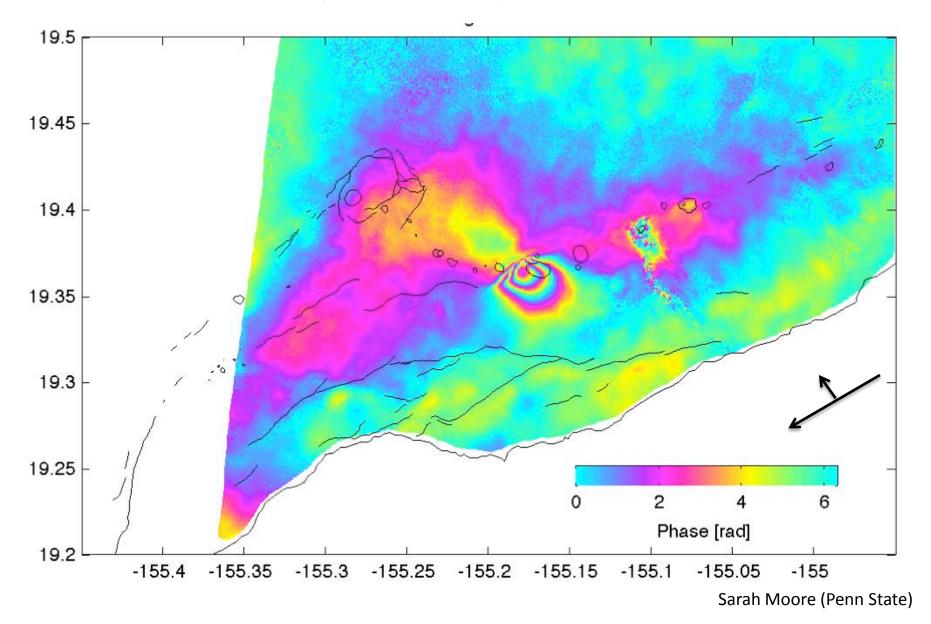




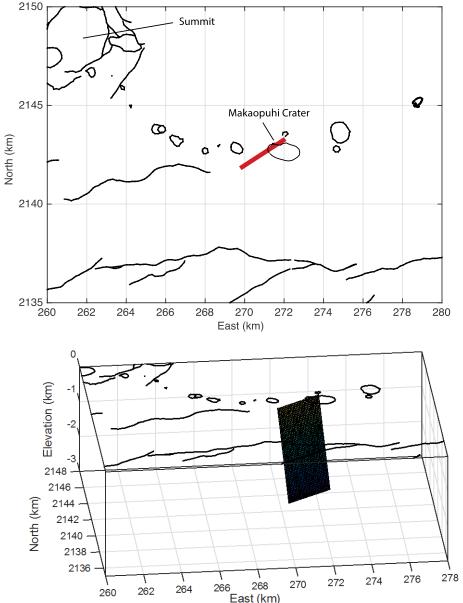
155°W

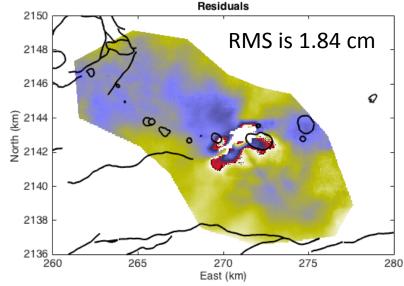
Sarah Moore (Penn State)

JERS-1 Descending Interferogram [Oct 92 – March 93]



Monte Carlo Inversion and 3D-MBEM Modeling





Conclusions:

Intrusions lacking summit inflation – Decrease of the rift zone perpendicular normal stress due to flank motion [Poland et al, 2014; - Due to partial contribution from the Pu'u'Ō'ō reservoir to the intrusion.

Future Work!

Sarah Moore (Penn State)