# Short-term Inundation Forecast of Tsunamis (SIFT) and ComMIT Demonstration

presented by

Donald Denbo and Chris Moore

team members include
John 'Oz' Osborne, Clint Pells, and Mike Traum
*also*
*Angie Venturato, Kevin McHugh, Paul Sorvik, Eugene Burger, and Joe Sirott*

# Outline

- Quick overview of main SIFT screens.
  - Event Viewer
  - DART Workbench
  - Inversion Result
  - SIM Result

- Demonstration of SIFT system.
  - November 2006, Kuril Island  8.1Mw event
  - Synthetic DART data generated.
  - Simulation runs at 20 times normal speed.
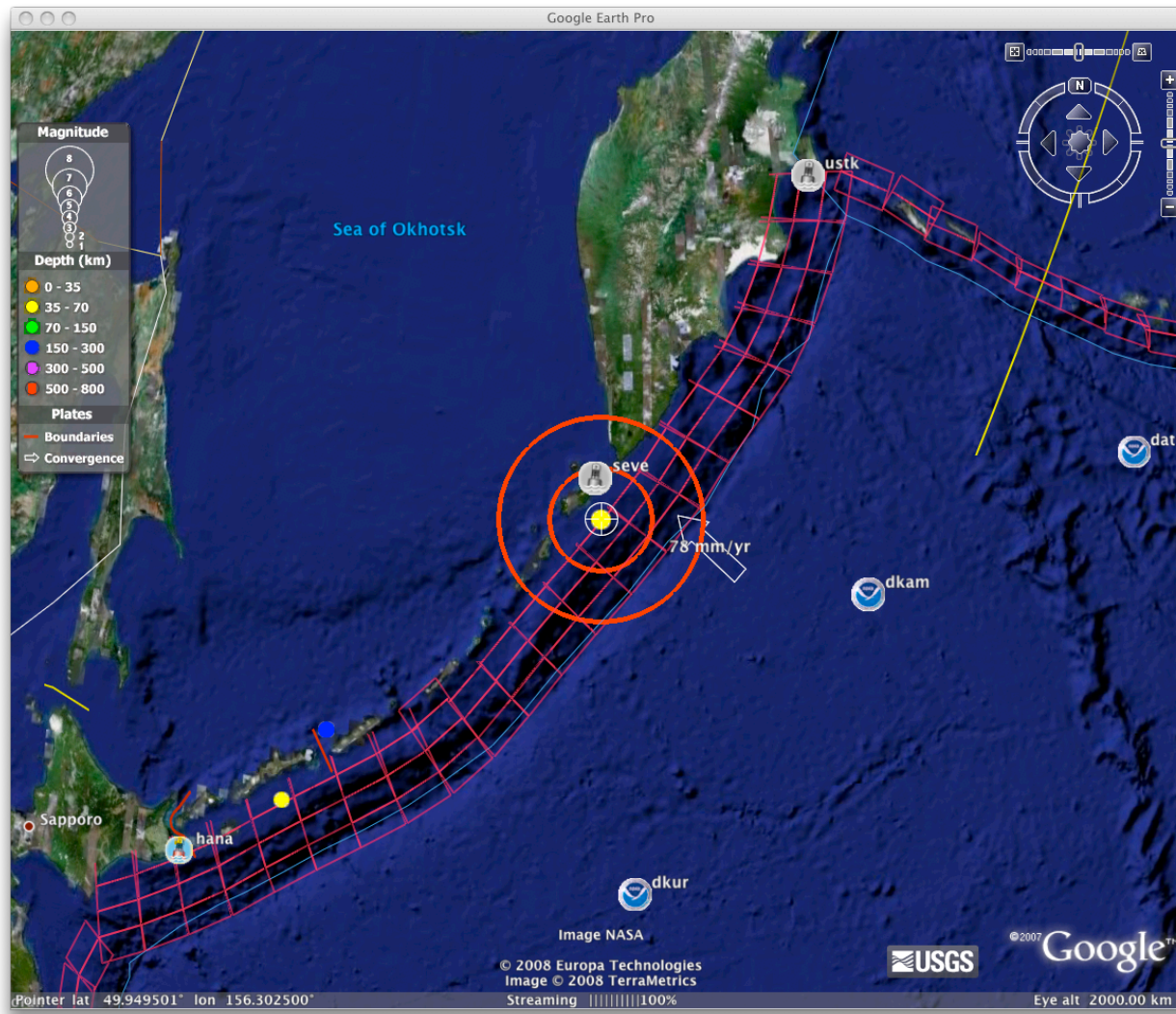
- ComMIT demonstration.

# Event Display

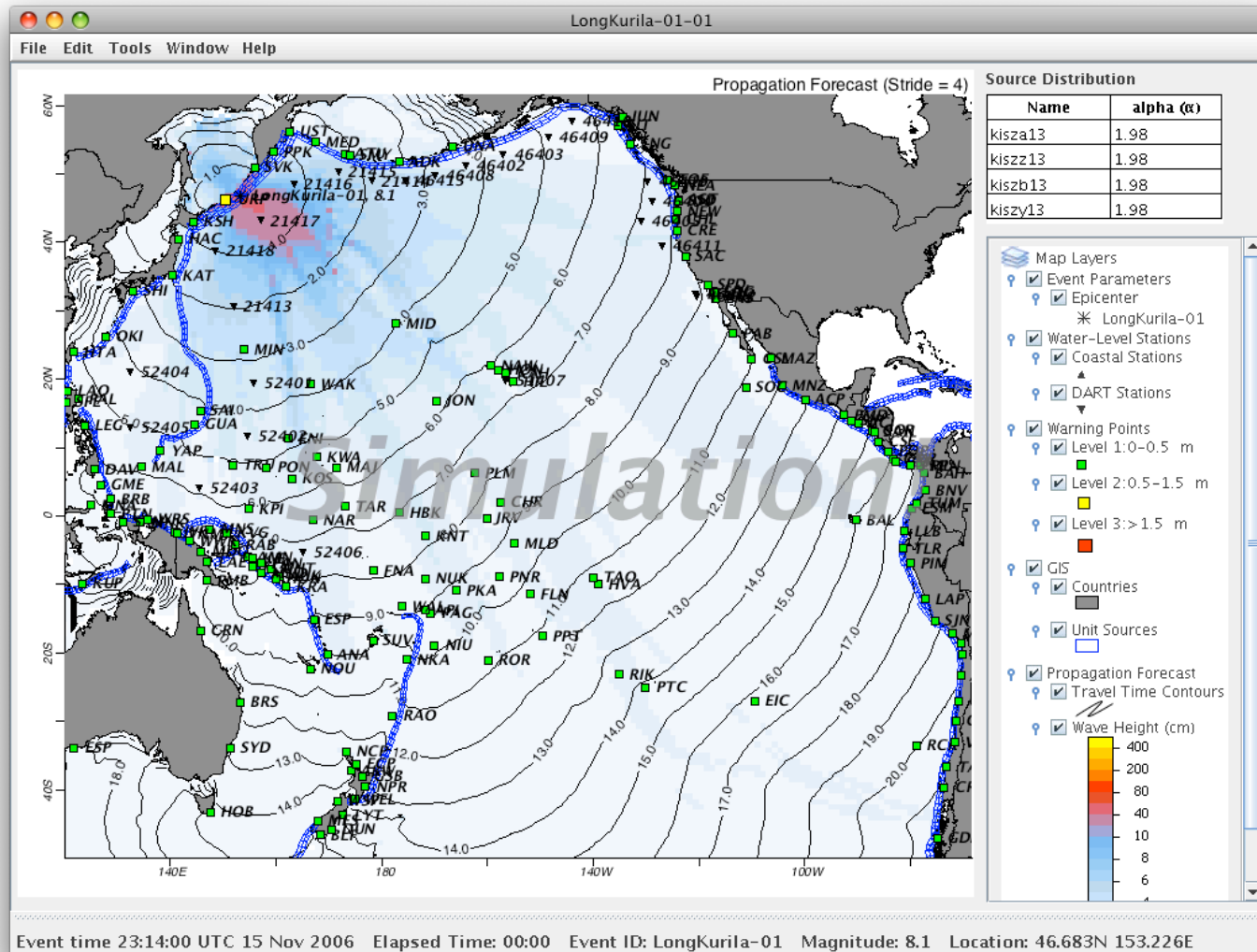Current event time, magnitude, ID, location, and depth.
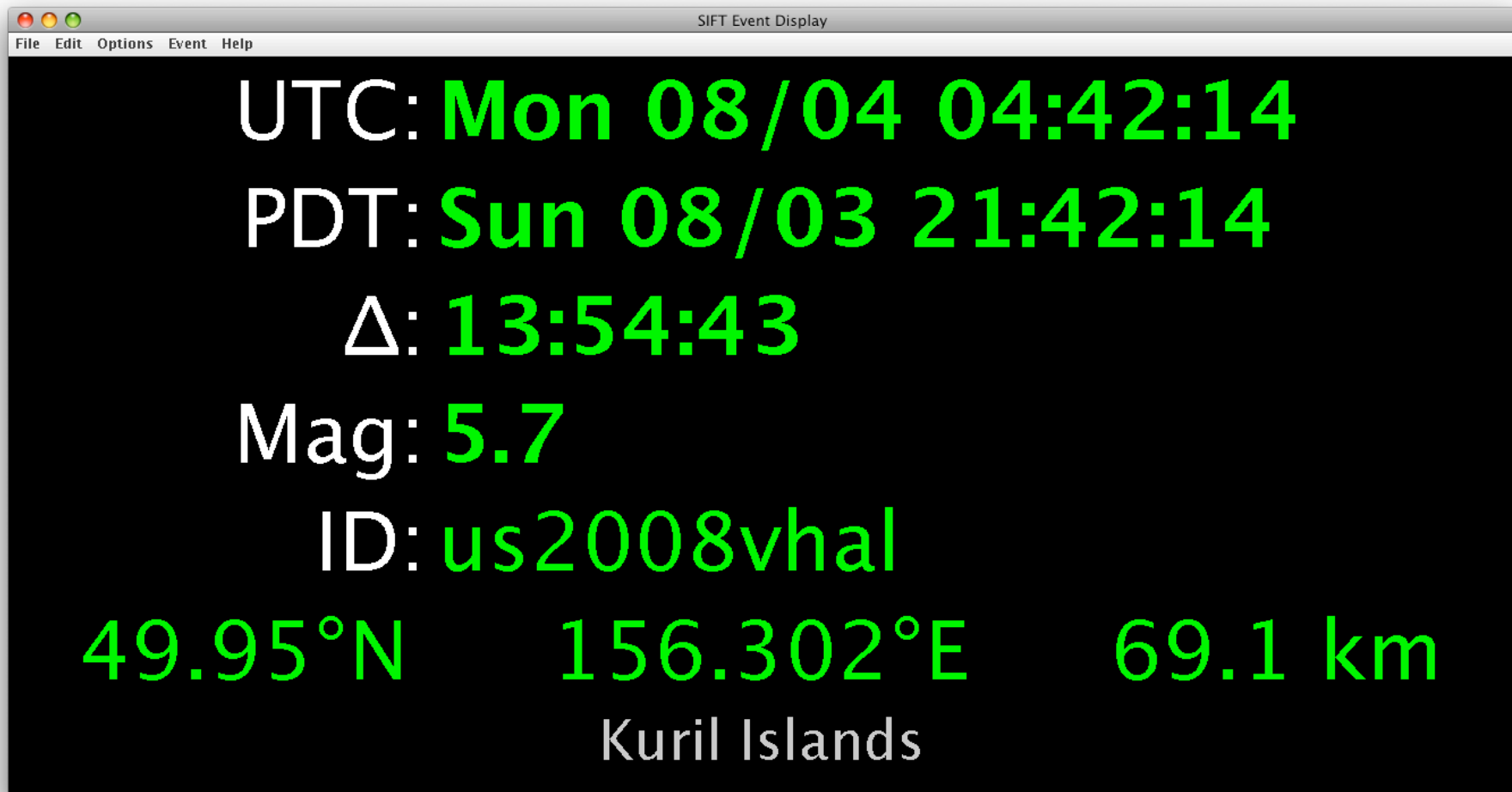
# Google Earth

Display of event and unit source location.

# Event Viewer

Display of Tsunami maximum amplitude and travel time.

# DART Workbench

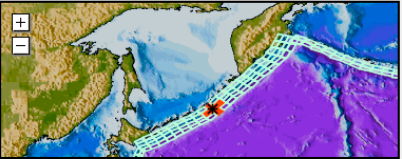Select DART buoy, time range, and constraints for Inversion.

# Inversion Result

Display of inversion inputs (left) and results (right).
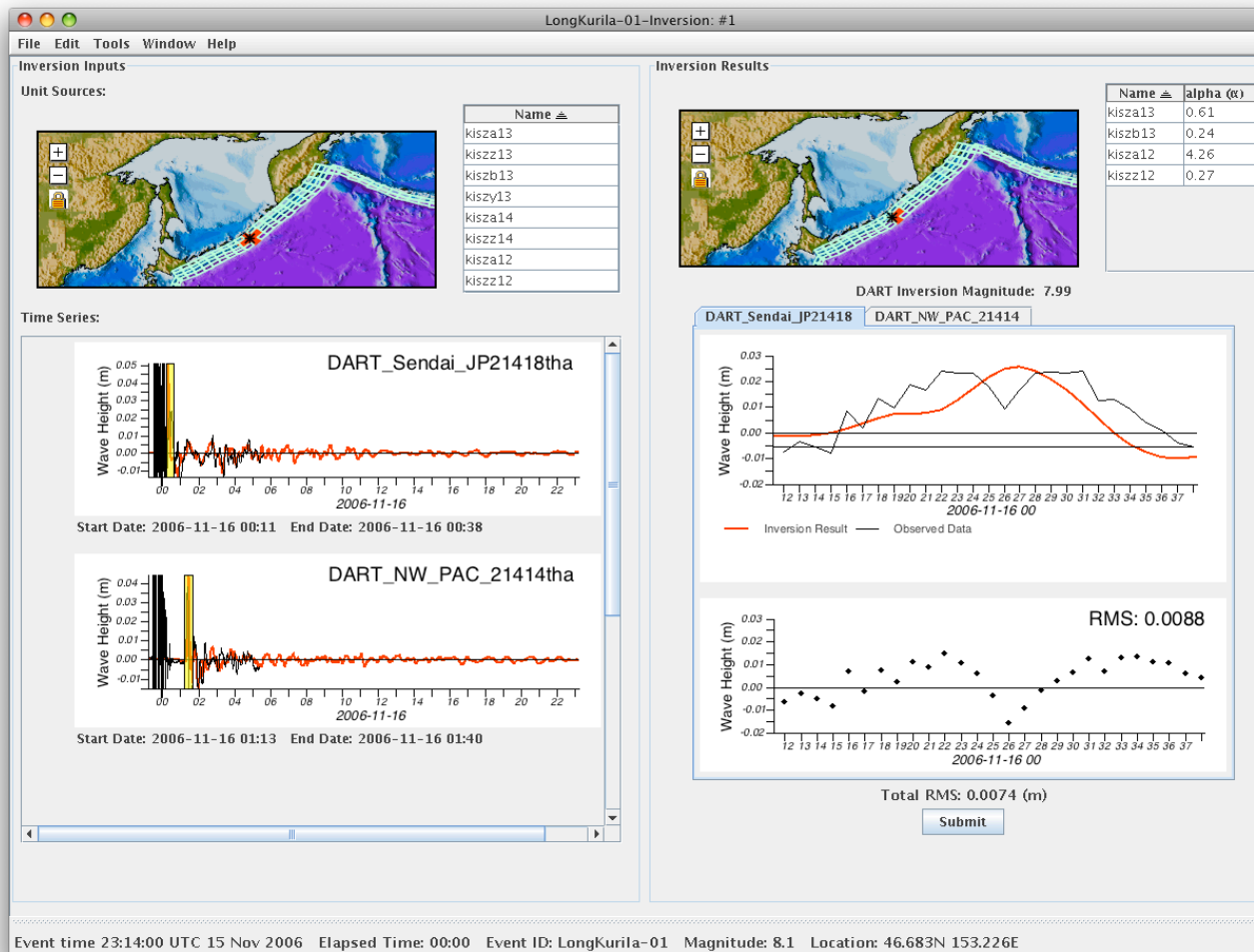
# Event Viewer
## (after inversion)
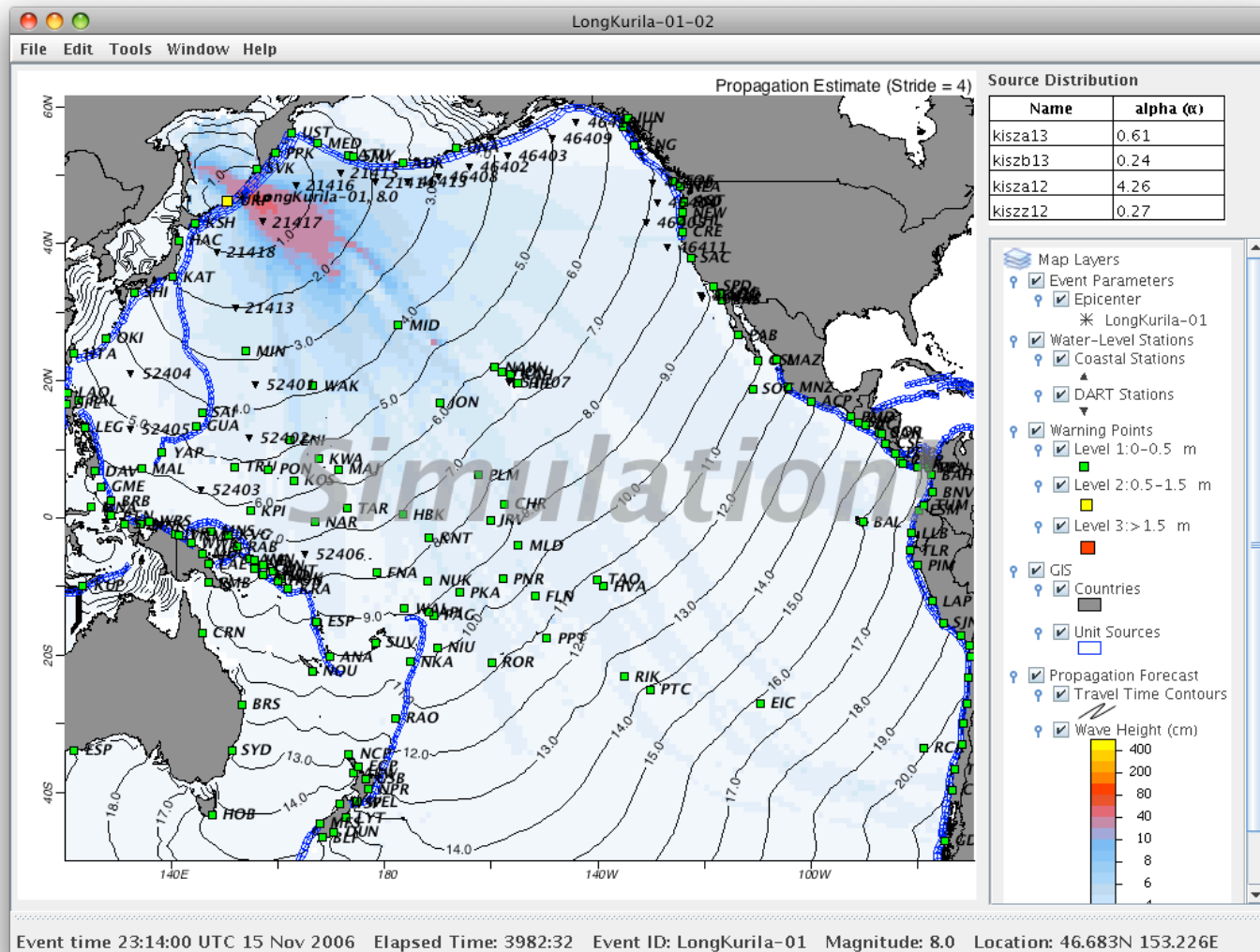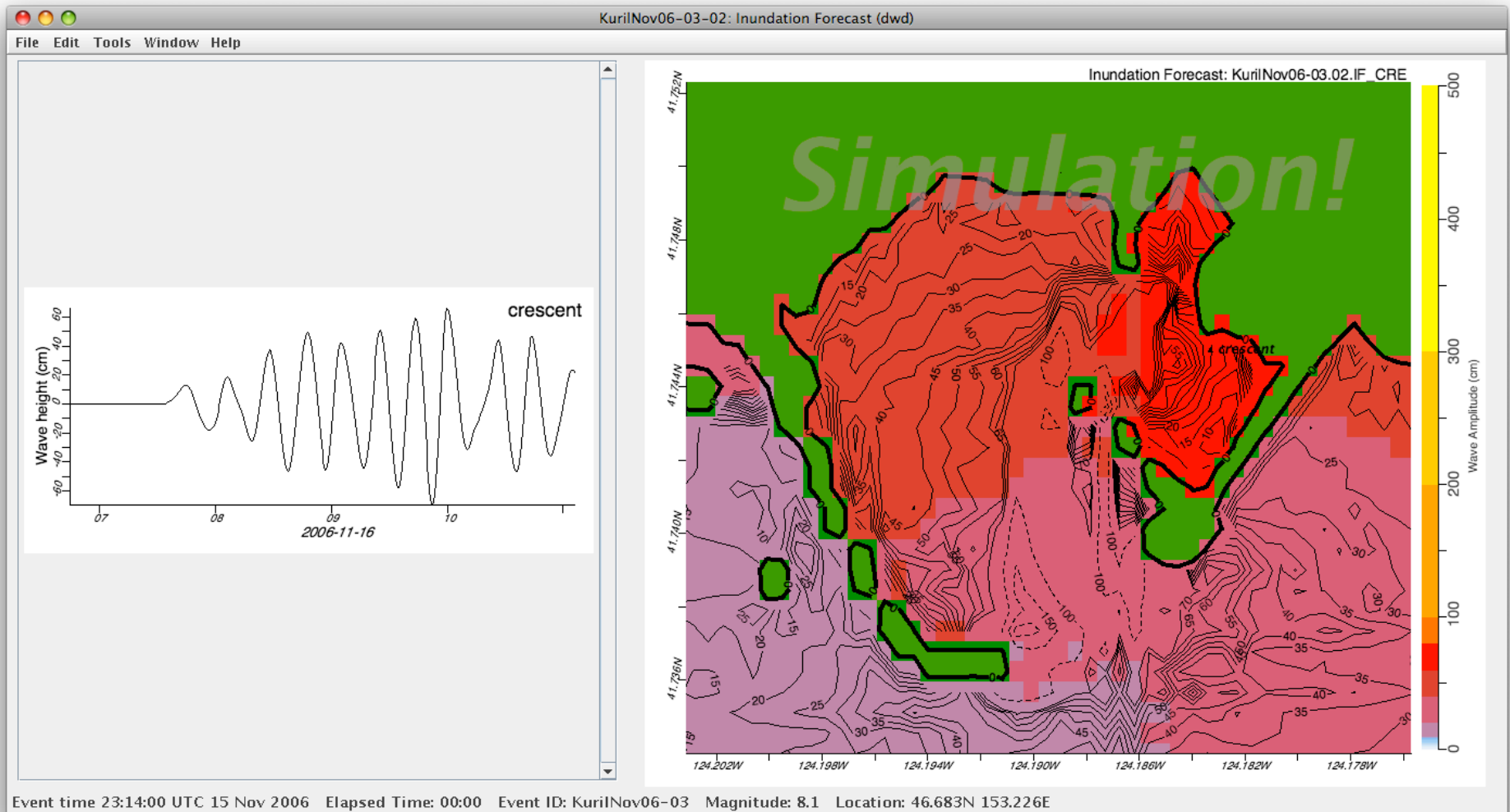
Display of Tsunami maximum amplitude and travel time of inversion results.

# SIM Viewer

Display of Tsunami maximum amplitude from a
high resolution SIM of Crescent City, CA.

# SIM Inundation - ComMIT
## (Community Model Interface for Tsunami)

Inversion results are used to run a site-specific Inundation model (Crescent City)