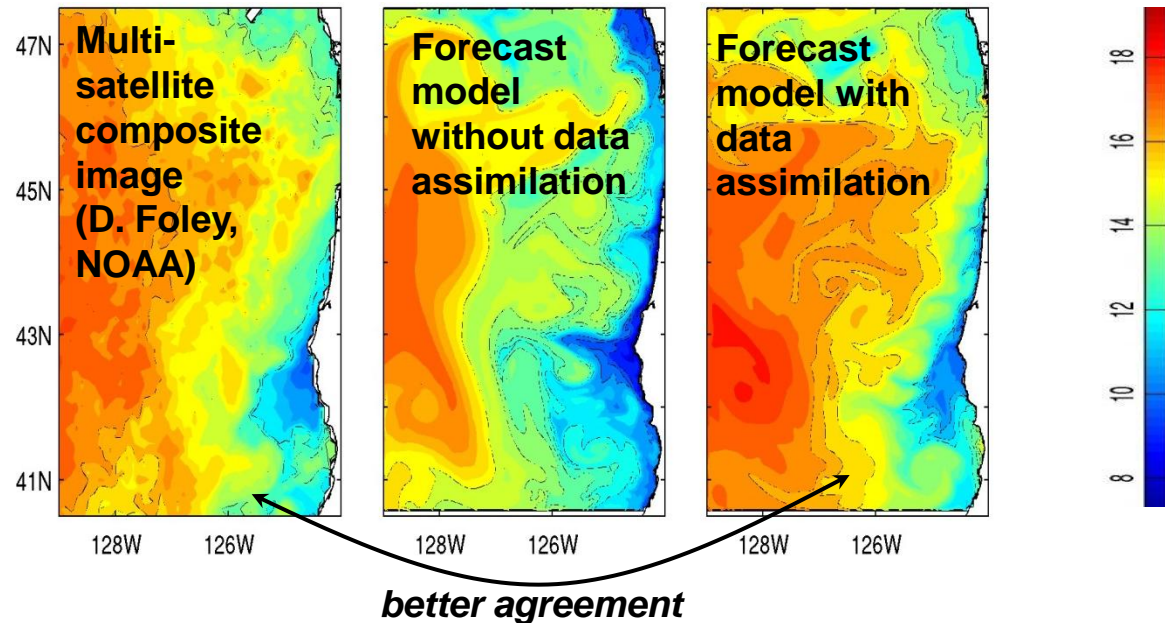




Data Assimilation in the Coastal Ocean Forecast Model

The data assimilation component has been incorporated in the pilot Oregon coastal ocean forecast system. Initial conditions for the 3-day forecasts have been improved by combining the model with hourly GOES SST and high-frequency (HF) radar surface currents in near real-time.

Sea Surface Temperature (SST, °C),
9/14/2010:



The coastal ocean forecast system provides reliable information about currents, temperature, and other oceanic variables to, for example, help hazardous spill response, search and rescue, navigation, and fisheries.

<http://www-hce.coas.oregonstate.edu/~orcoss/ACTZ/SSCforecast.html>

(Courtesy of A. Kurapov)

Sponsor: NOAA-CLOSS, NOAA-IOOS, ONR