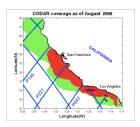
## Finding sources of SigmaO variation in satellite altimetry by comparison with HF radar, sea surface temperature and ocean color

Carolyn Roesler and William J. Emery University of Colorado, Boulder Comparison CODAR & J2 altimeter SLA

Cases that fit well Cases that diverge

Explain the reasons why/ which one is more pertinent By using coincident information of ocean color and SST OSTST Sept. 2012, Venice, Itlay



We have developed a method to extract the 2-km (or 6 km for further offshore) resolution SSH from the CODAR derived total surface currents

We use the 20-hz MLE4 range and edit the possible spurious data by removing specific blooming events and regions wtih high SWH. we then smooth the altimeter data over 21 km.

## We then remove the mean of the time series and compare CODAR SLA and J2 SLA

