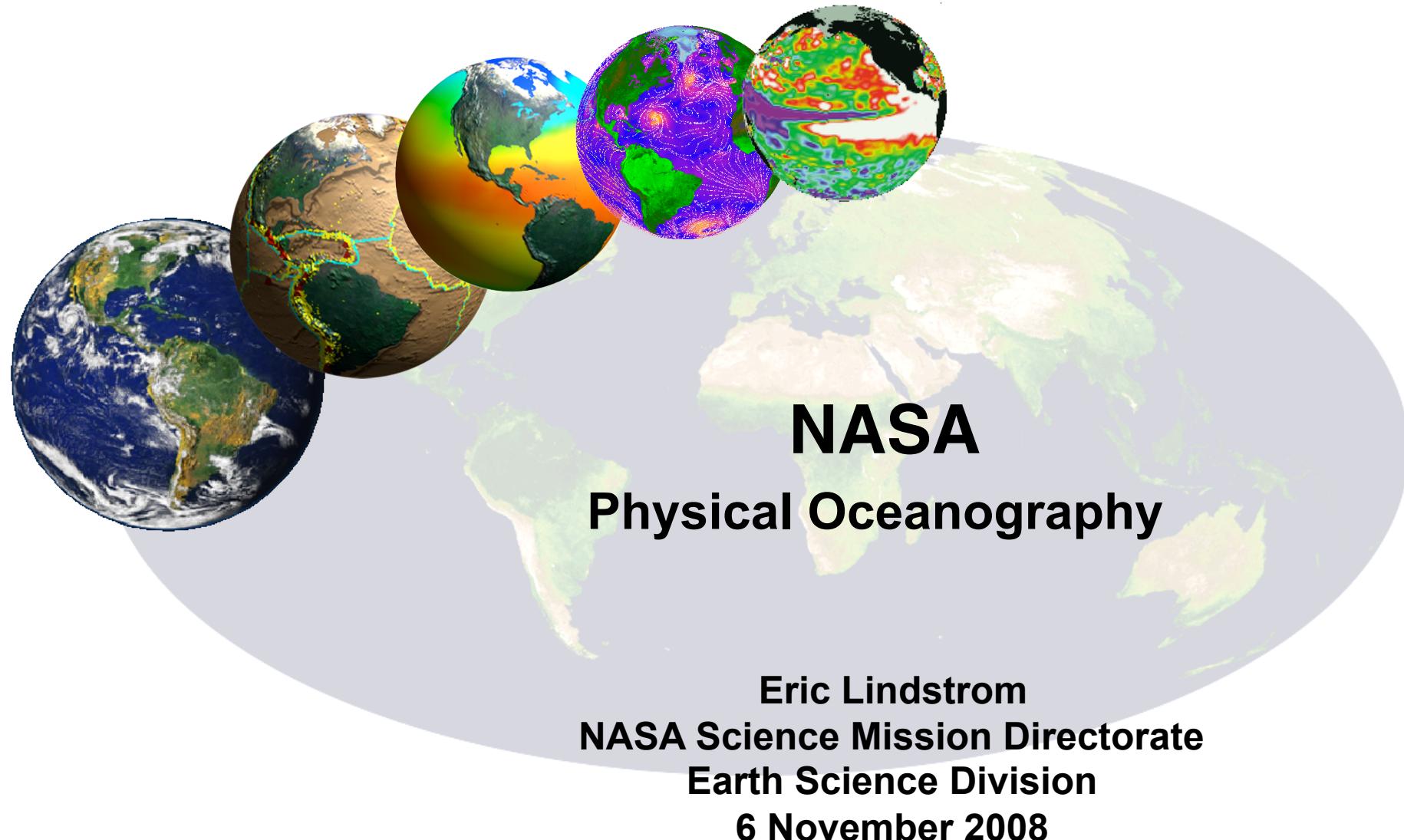




Coastal Altimetry Workshop

Pisa, Italy





Efforts Supported by NASA

- **Shannon Brown** (JPL): In this project, alternative methods are used to retrieve the radiometric wet-troposphere PD along the tracks as they cross land, removing one of the main obstacles to retrieving SSH close to land. New and consistent algorithms will be produced for T/P, J1 and J2, providing 20 years of coastal alongtrack corrections.
- **Ted Strub** (Oregon State U.): Data from coastal tide gauges will be combined with the alongtrack SSH signals to characterize the coastal circulation and upwelling dynamics within 50 km of the coast. The improved wet-trop PD, retracking and other improved corrections developed by others will be used to extend the alongtrack SSH data as close to the coast as possible, before combining with the tide gauge data.
- **John Wilkin** (Rutgers): develop and validate an improved coastal ocean analysis system that (i) comprises a reprocessed coastal altimeter data stream derived using regional de-aliasing corrections and other required near-coast data filtering and error correction approaches, and (ii) incorporates these data into a high-resolution regional ocean model using advanced 4-dimensional variational methods for data assimilation



Efforts Supported by NASA

- **William Emery** (U. Colorado): Methods will be developed to retrack altimetric data in coastal regions off the U.S. west/east coasts, using as “truth” synthetic dynamic heights inferred from coincident geostrophic currents computed from sequential infrared and ocean color images.
- **Richard Ray and Gary Egbert** (GSFC, Oregon State U.): This project will produce improved tidal models, with some emphasis on coastal regions, including the U.S. west and east coasts.
- **Doug Vandemark** (U. New Hampshire): ALT and Wind-Wave studies will contribute to new algorithms for surface waves and SSB, with applications in coastal (as well as deep water) regions.



Personal touch to Eric's presentation -JB

Subject: Re: Slide [COASTALT-SWT] Pisa Workshop

Date: Mon, 3 Nov 2008 18:32:20 -0600

From: Lindstrom, Eric J. (HQ-DK000) <Eric.J.Lindstrom@nasa.gov>

Thanks for your help!

Please do wish everyone
good fellowship,
growing partnerships,
and expanding understanding!!!

Eric