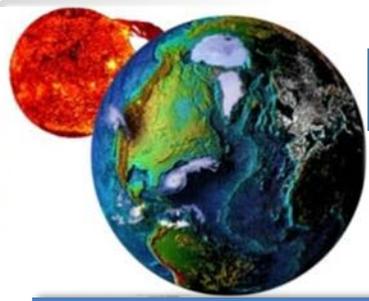


# DEM Production – Status

NCEI (formerly NGDC)

Presented by Kelly Stroker

2015 NTHMP Summer MMS Meeting- San Diego, CA

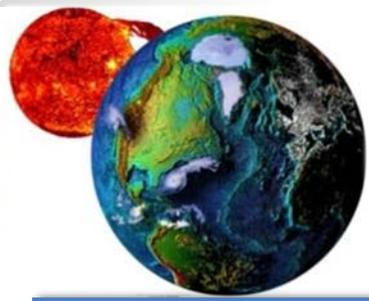


# Merger of U.S. Data Centers

## NGDC is now NCEI

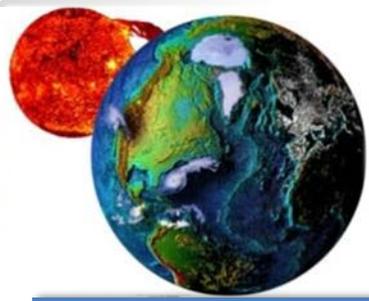
- Merger approved in January 2015 to form the National Centers for Environmental Information (NCEI)
- Includes the former National Geophysical Data Center, National Oceanographic Data Center, and National Climatic Data Center
- Enhance integration across multiple science disciplines
- Includes the **World Data Centers for Geophysics, Oceanography, Paleoclimate, and Meteorology** and the **International Hydrographic Organization's Data Center for Digital Bathymetry**
- Build upon the full spectrum of weather/climatic, oceanographic, coastal, and geophysical products and services that the National Data Centers previously delivered





# DEM Development

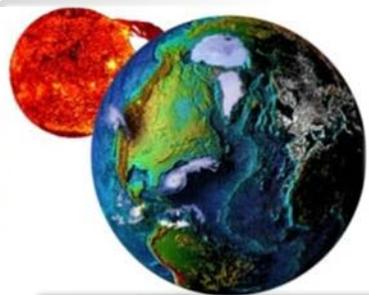
- For just 9 years, NGDC has been building integrated bathymetric-topographic digital elevation models (DEMs) in support of the TWCs and PMEL, and also the NTHMP.
- The DEMs are used to support tsunami forecasting and modeling efforts at the NCTR/PMEL and are part of the tsunami forecast system SIFT (Short-term Inundation Forecasting for Tsunamis) developed by PMEL for the NOAA TWCs, and are used in the MOST model to simulate tsunami generation, propagation, and inundation.
- The DEMs support individual coastal States as part of the NTHMP's efforts to improve community preparedness and hazard mitigation.
- Priorities are based on:
  - NOAA forecast modeling requirements
  - State modeling needs
  - data availability



# Status of Tsunami DEMs

- NOAA NWS/PMEL FY14
  - Virgin Islands (**completed 2/12/15**)
  - Central FL (**completed**)
  - NY/NJ area (**in progress-completed by end of FY**)
  - Maui HI (**still waiting on 2013 USACE lidar data**)
- NTHMP CY14
  - Tampa Bay, FL (**completed**)
  - Puget Sound, WA (**completed**)
  - Miami FL (**completed**)
  - San Juan, PR (*delivered but awaiting additional data*)
- NOAA NWS/PMEL FY15
  - Regional Western Juan de Fuca Strait (**completed – 4/13/15**)
  - Regional Eastern Canada (**completed – 6/16/15**)
  - Central Washington Coast (**completed – 6/24/15**)
  - Update Central Oregon Coast (**in progress**)
- NTHMP CY15
  - Assorted AK - False Pass, Kodiak (9 in total) – (**completed - 2/27/15**)
  - Pensacola, FL (**in progress**)
  - Orange County, CA (next in que) – **was there an issue with CA (Long Beach) that we needed to resolve?**
  - Regional Puerto Rico Trench





# Priorities for FY16 and CY16

National DEM Development Priority List for September 2014-August 2015 (draft) - Bring up priorities document

What we need from you:

- Wish list for next year
- Extents – be sure to include any particular geographic features that should be included
- Deadline date, if any
- Any data collection in your region that you are aware of. You may know before we do!

