

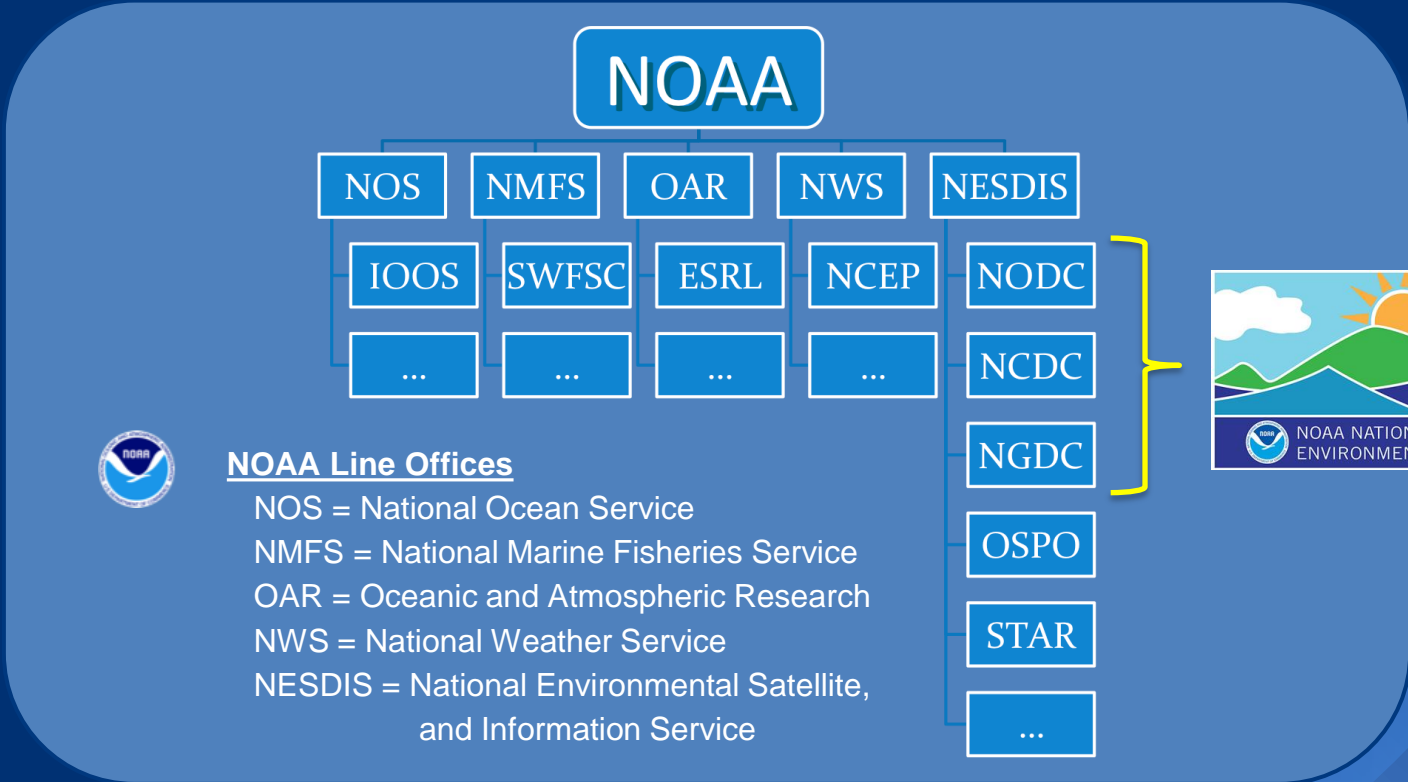


G16 NCEI RDAC Update

Presented by Kenneth S. Casey
on behalf of the NCEI Team

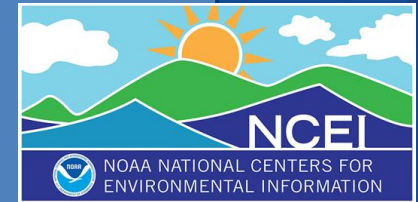
Viva Banzon, Korak Saha, Ajay Krishnan, Yuanjie Li, John Relph,
Dexin Zhang, Yongsheng Zhang, Sheekela Baker-Yeboah

NCEI = NCDC + NODC + NGDC



NOAA Line Offices

- NOS = National Ocean Service
- NMFS = National Marine Fisheries Service
- OAR = Oceanic and Atmospheric Research
- NWS = National Weather Service
- NESDIS = National Environmental Satellite, and Information Service



NCEI: National Centers for Environmental Information



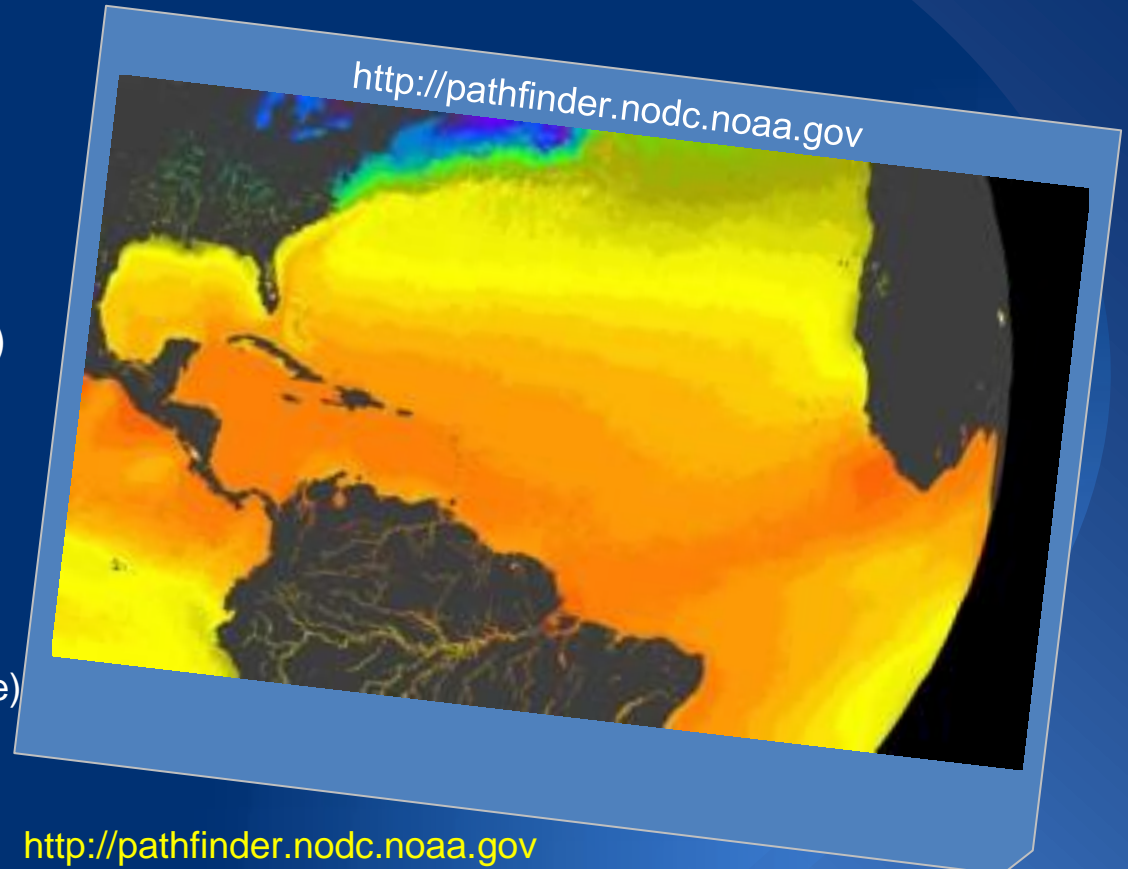
- CEOS SST Virtual Constellation Co-chair
- Science Team and Advisory Council members
- Long Term Stewardship and Reanalysis Facility (LTSRF)
- RDAC for Pathfinder and Daily OISST Products
- L0/L1 POES/GOES/NPP archive





NCEI: National Centers for Environmental Information

- Pathfinder V5.2 in GDS2 L3C: 1981-2013 (10.7289/V5WD3XHB)
- CoRTAD Version 5 (7-day time series and climatology)
- Pathfinder Version 5.3 in GDS2 L2P, L3U, and L3C, 1981-2013
- ✓ July /Aug 2015: processing in AWS
- ✓ Numerous improvements (next slide)
- ✓ 2016: V5.3 Quarterly updates
- ✓ Dec 2016: V6 for 1981-2015 with uncertainties and times



<http://pathfinder.nodc.noaa.gov>

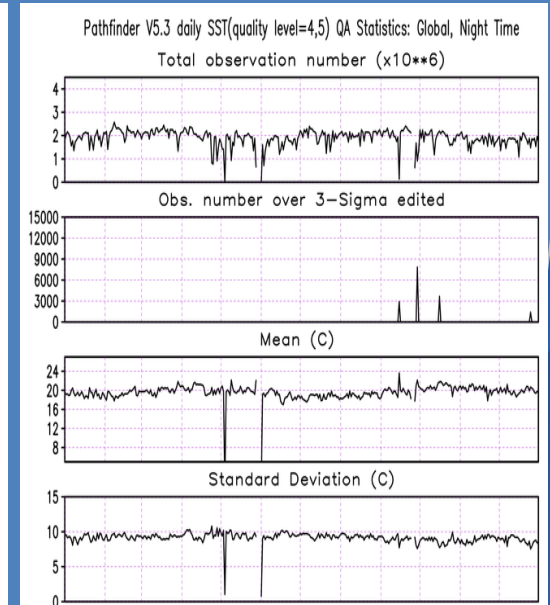
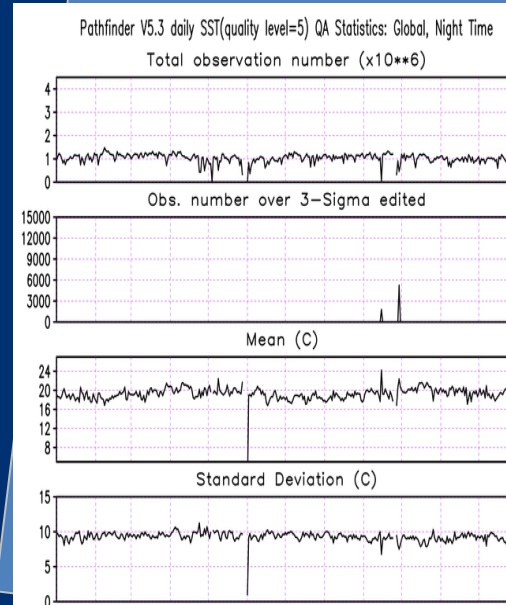


NCEI: National Centers for Environmental Information

Pathfinder V5.3 Improvements

- ✓ All quality levels included
- ✓ Improved handling of sun glint areas
- ✓ NOAA-7 and 9 cloud tree tests now consistent
- ✓ L2P and L3U include sst_dtime
- ✓ Anomalous hotspots at land-water boundaries identified and flagged
- ✓ Improved land mask
- ✓ Antarctic ice shelves identified as ice
- ✓ True netCDF-4 classic mode
- ✓ Rich Inventories generated

<http://pathfinder.nodc.noaa.gov>



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- Version 2, 0.25° Daily OISST L4 Products:
 - AVHRR_OI: 1981-2015
 - AVHRR_AMSR_OI: 1981-2011/09/03*
- Code rejuvenation effort expected to complete 3 tier test by end of year
- New Development Underway:
 - ✓ Revival of microwave + infrared
 - ✓ Higher resolution OI

