

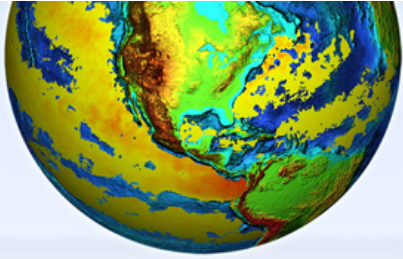
GLOBAL SURFACE TEMPERATURE REVIEW PROPOSAL

David R. Easterling

Chief, Scientific Services Division

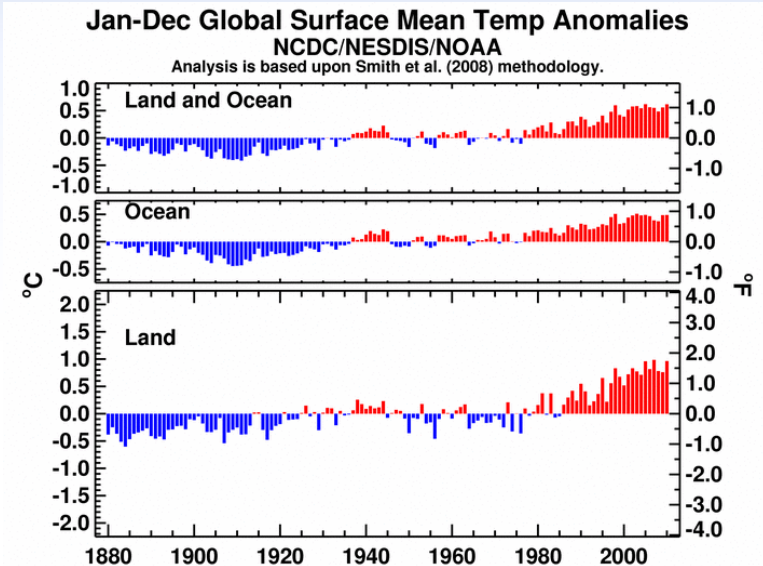
NOAA/National Climatic Data Center





Global Surface Temperature

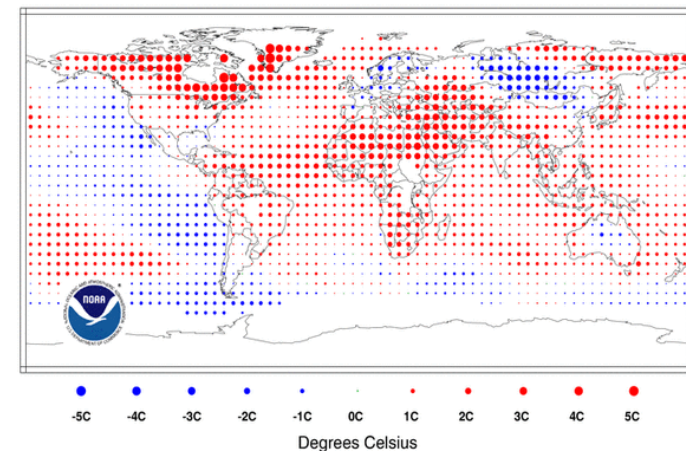
- NCDC's in situ Land and Ocean surface data and associated products and analyses are among the most visible climate service activities at NCDC
 - IPCC, National Assessments
 - Monthly and Annual State of the Climate reports
 - Used by NASA GISS and many customers

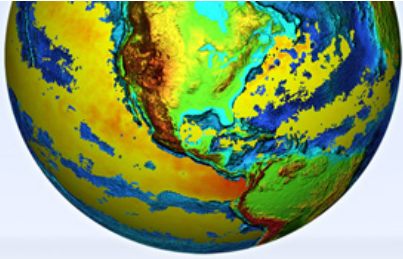


Temperature Anomalies Jan-Dec 2010

(with respect to a 1971-2000 base period)

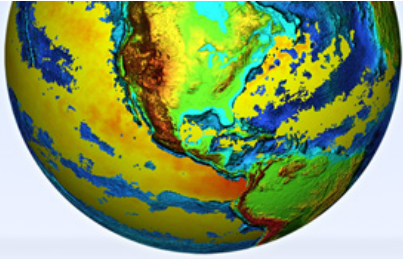
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Global Surface Temperature

- Global surface temperature is comprised of
 - GHCN-Monthly Land Surface Temperature (Since 1992)
 - Version 3 beta released in Nov 2010. Operational release planned for May 2011.
 - Extended Reconstructed Sea Surface Temperature data (Since 2002)
 - Merged land/ocean dataset (Since 2005)



Scientific Review Proposal

- Because of the central role these data play in climate monitoring and assessment we desire review and feedback on our scientific process involved in development and processing of our land, ocean, and blended datasets.
- We will prepare a paper based on NASA's Algorithm Theoretical Basis Document describing the complete process.
 - To be completed by the end of September, 2011.
 - Sent out for mail peer-review to a select set of reviewers.
 - Request a review by the CWG in Fall/Winter 2011.