

NASA News

Christopher Lynnes

Unidata Strategic Committee Meeting
Millersville Univ.
April 2015



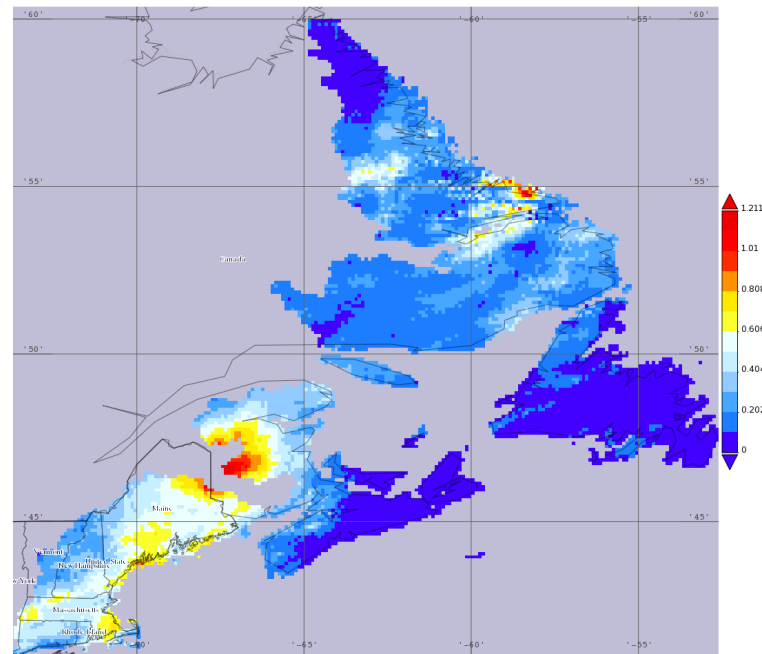
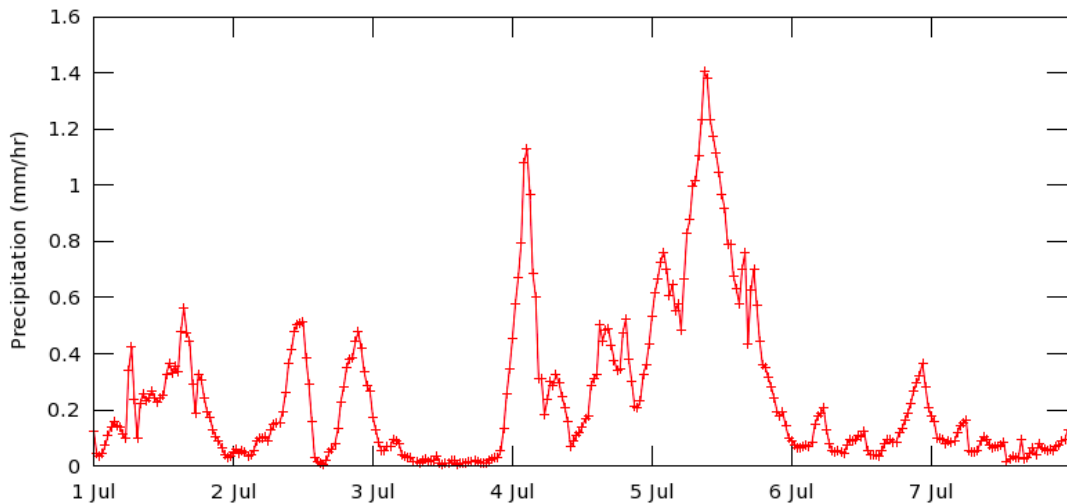
TRMM + GPM

- TRMM decommissioned
 - Historical data still available
- GPM IMERG dataset out
 - Half-hourly (early, late, final)
 - Monthly
 - Available at GES DISC (final only)



IMERG Half-hourly

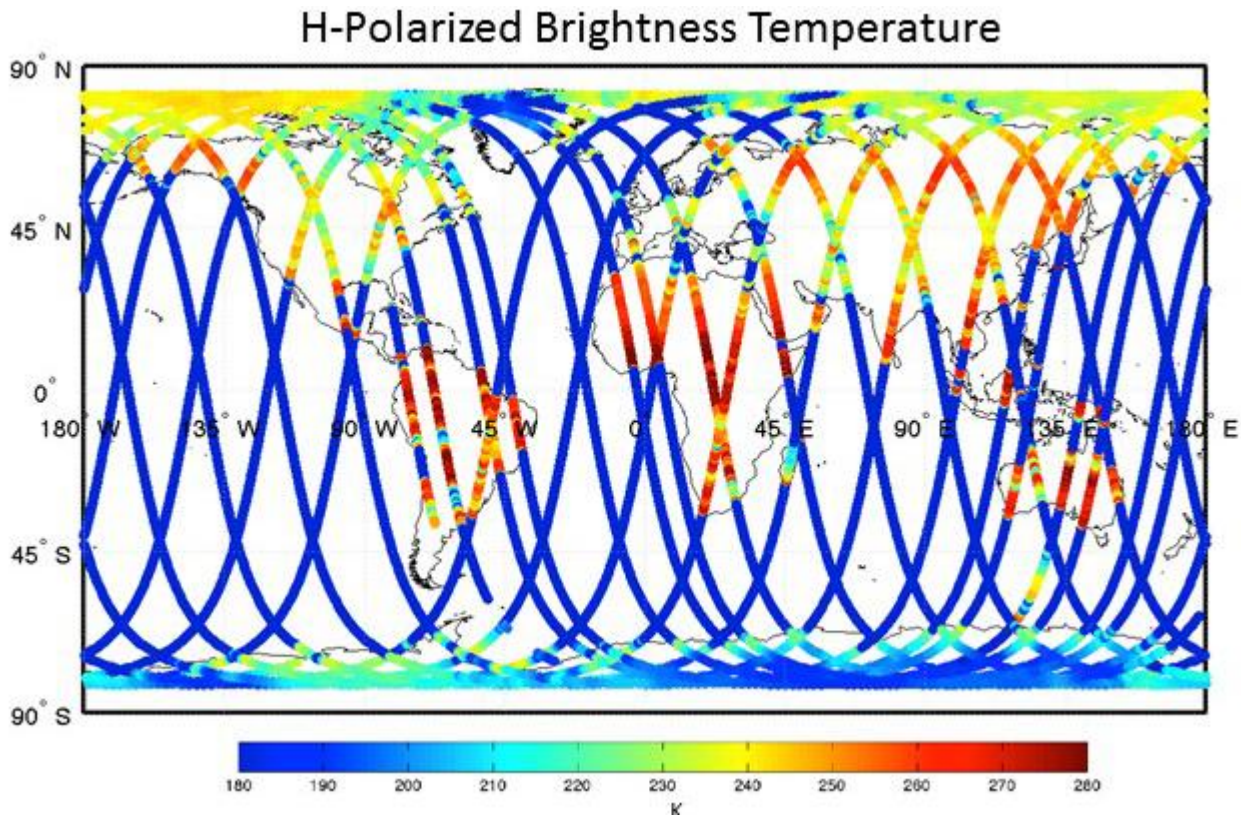
Time Series, Area-Averaged of Instantaneous Precipitation - Calibrated
half-hourly 0.1 deg. [GPM GPM_3IMERGHH v03] mm/hr over 2014-07-01 00:00Z -
2014-07-07 23:59Z, Shape Atlantic Ocean Seaboard

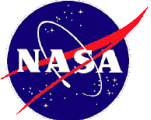


http://disc.sci.gsfc.nasa.gov/data/releases/imerg_data_release

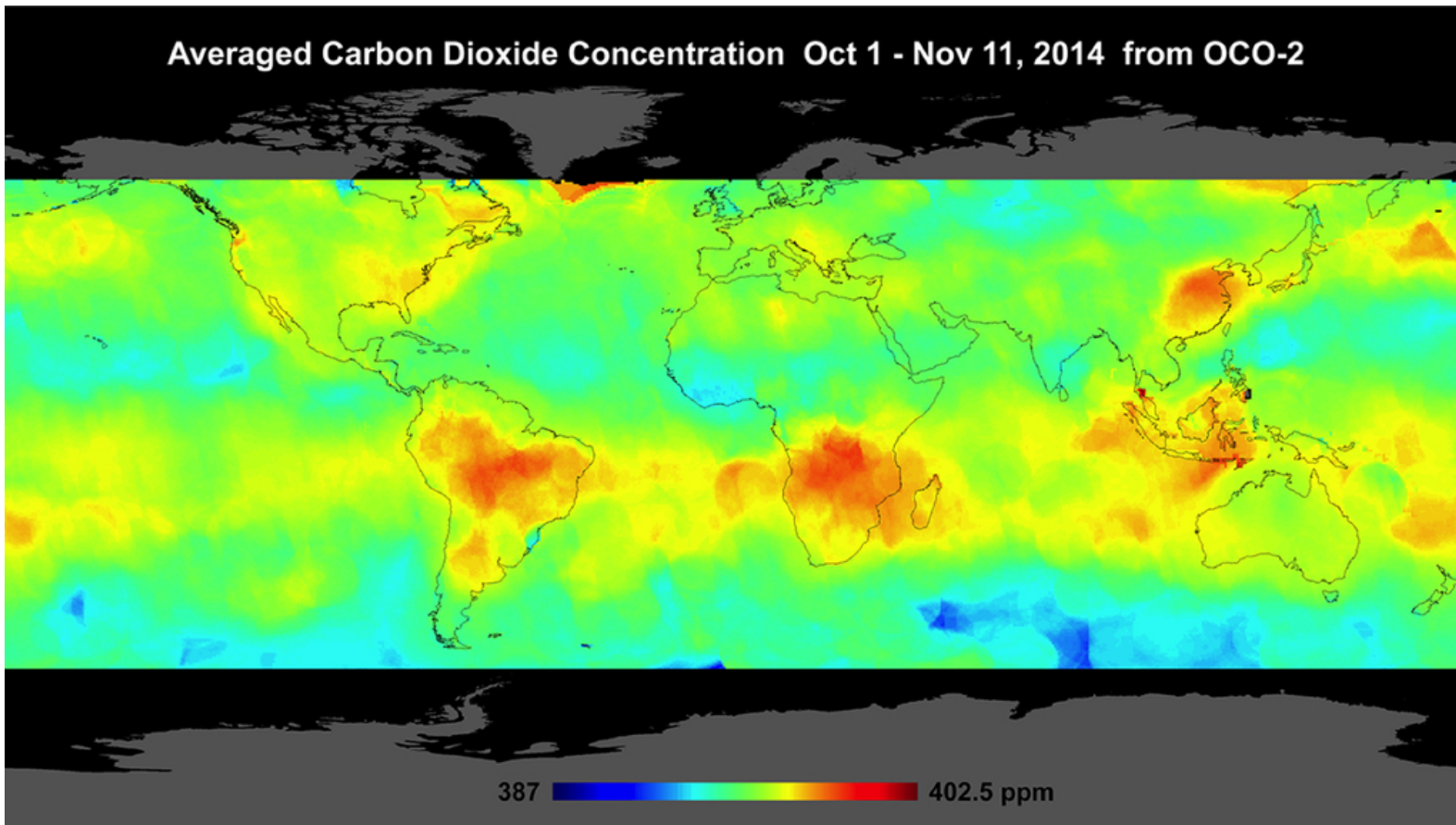


Soil Moisture Active Passive launched





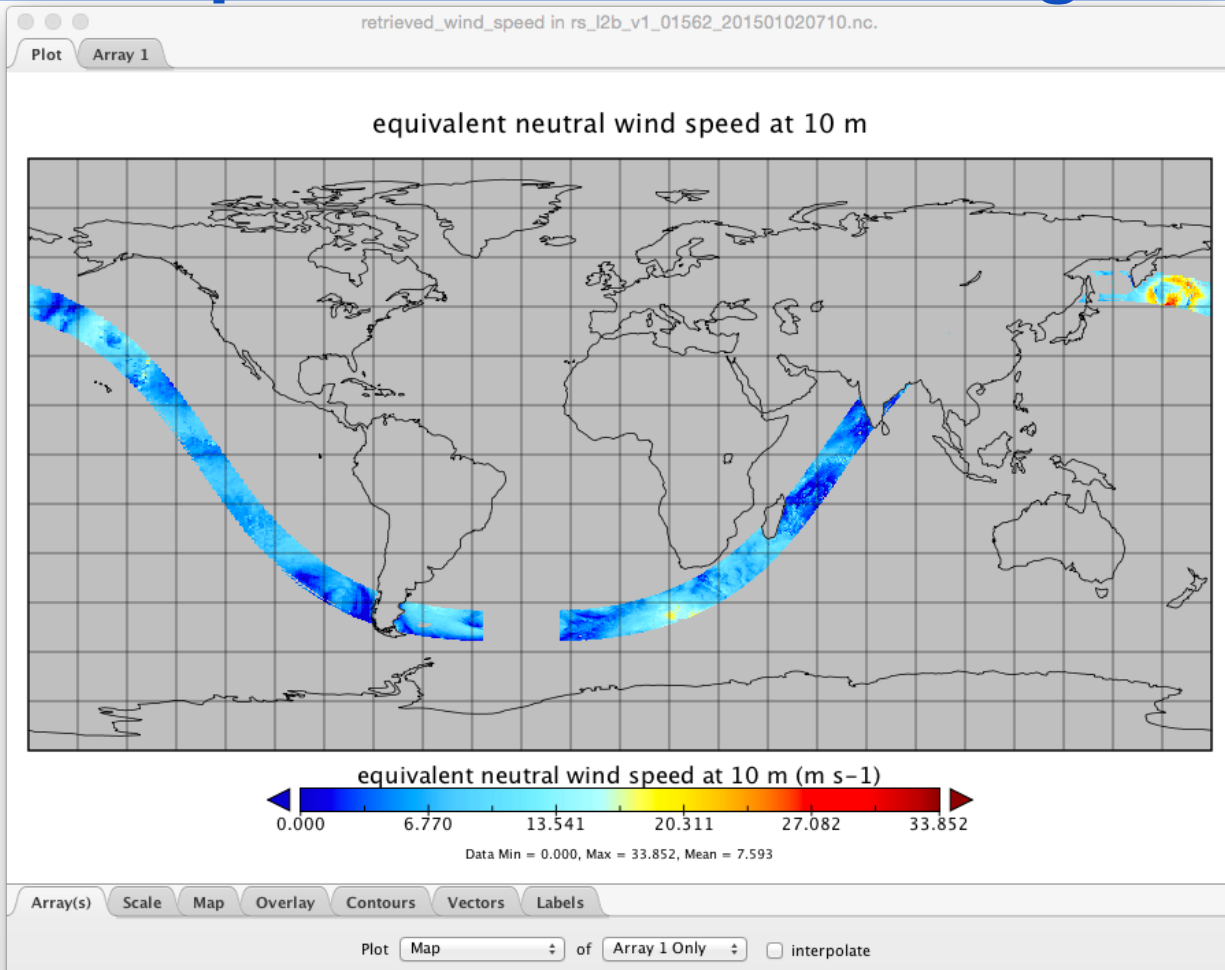
OCO-2 Carbon Dioxide data released



http://disc.sci.gsfc.nasa.gov/datareleases/oco_2_data_release_ges_disc



ISS RapidScat data becoming available





Suomi NPP Data coming to EOSDIS

Science Data Center	Data
Land Processes DAAC (USGS/EDC)	Land Surface T., Land Cover, Vegetation, Fire, Surface Reflectance
Natl Snow & Ice Data Center DAAC (U. Colorado)	Snow Cover, Sea Ice Cover, Ice Surface T.
Ocean Biology DAAC (NASA/GSFC)	SST, Aerosols, Chlorophyll, Carbon, Reflectance
LAADS DAAC (NASA/GSFC)	Aerosols, Water Vapor, Clouds
Goddard Earth Sciences Data & Info. Svcs. Ctr. (NASA/GSFC)	O3, NO2, SO2, Aerosols, Atmos. Moisture, Atmos. T., Clouds

<https://agu.confex.com/agu/fm14/meetingapp.cgi#Paper/22052>



Big Earth Data Initiative (BEDI)

- Funded for NASA for FY15
- DAACs:
 - *More OPeNDAP*
 - More Aggregation of OPeNDAP
 - More linking of EOS Clearinghouse (ECHO) with OPeNDAP with Global Imagery Browse System
 - *Ergo, more OpenSearch*
- OPeNDAP, The HDF Group
 - Make OPeNDAP work better/faster



2014 Earth Science Data Systems Working Groups

- Data Recipes*
 - Recommended standard recipe format
- Vision 2020
 - Recommendations provided to ESDIS
- Data Intensive Architecture*
- Data Interoperability*
 - Produced data product design recommendations
 - E.g., include time dimension even if $N=1$

*Continuing in 2015



2015 ESDSWG: New Proposed Groups

- Virtual Collections
- Citations and Identifiers
- Product Designer
- Geospatial
- Time Series
- Search Relevancy



NASA Solicitation News

- [ACCESS Request for Proposals](#)

- Notice of Intent: May 23
- Proposal: Jul 24

“The ACCESS program is seeking proposals that deploy such technologies to improve data discovery, accessibility, and usability for users of Earth science data by using technologies that improve interoperability and the sense of seamlessness, uniformity, and user experience harmonization. The goal is to increase the efficiency for the user and enable new users to benefit from Earth science data.”

- ROSES now requires Data Management Plans

- [FAQ](#)



Changes Coming to EOSDIS User Registration System

- Redirection via HTTP Response Codes
- Hyrax implementation: [http://docs.opendap.org/index.php/Hyrax_-_User_Identification_\(Authentication\)](http://docs.opendap.org/index.php/Hyrax_-_User_Identification_(Authentication))



Key Personnel Transitions

- *Kevin Murphy* replaced Martha Maiden (retired) as Earth Science Data Systems Program Executive at HQ
- *Chris Lynnes* will replace Kevin Murphy as EOSDIS System Architect
- *Brian Mapes* added to User Working Group of Goddard Earth Sciences Data and Information Services Center