Simulated daily average surface (0-10 cm) soil moisture for 1 June 2013, in the immediate aftermath of the Oklahoma City flash flood and El Reno tornado event, as produced by WLDAS. Range: 0.0-0.4 m³/m³. The WLDAS is a high-resolution (0.01 degree x 0.01 degree) version of NASA’s Land Information System (LIS; https://lis.gsfc.nasa.gov/) adapted for stakeholder applications in the western United States. Image credit: J. Eringis / GSFC WLDAS team

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Our Community Highlights

link A mid-winter drought in Australia (PI Bolten)
link Water planners work to enhance snowpack data (PI Painter)
link PI Hossain receives Outstanding Achievement Award from American Society of Civil Engineers

Program and PI Activities

link Gebremichael and Hopson complete 3-part technology transfer workshop for Ethiopian colleagues to support improved hydropower planning/operations
link PI Bolten presents at the Library of Congress on Improved Global Water Security and Sustainability
link Kustas publication in BAMS: The Grape Remote sensing Atmospheric Profile and Evapotranspiration eXperiment (GRAPEX)
link NASA Western Water Applications Office website goes live

Events

link World Water Week, August 26-31, 2018, Stockholm, Sweden
link NASA HyspIRI Science and Applications Workshop, August 15-18, 2018, Washington, DC.
link 2018 American Water Resources Association Annual Meeting, November 4-8, 2018, Baltimore, MD
link Wednesdays, September 5-19, NASA’s Applied Remote Sensing Training Program (ARSET) Advanced Webinar: Processing Satellite Imagery for Monitoring Water Quality (in Spanish and English)

Publications

link Cyberinfrastructure and Web Apps for Managing and Disseminating the National Water Model (Alcantara et al, 2017, JAWRA, with PI Ames)
link Global Analysis of Climate Change Projection Effects on Atmospheric Rivers (Espinosa et al, 2018, GRL)
link An initial validation of Landsat 5 and 7 derived surface water temperature for U.S. lakes, reservoirs, and estuaries (Schaeffer et al, 2018, Int'l J. Remote Sensing)
link Performance metrics for assessment of satellite data products: ocean color case study (Seegers et al, 2018, Optics Express)
link Emerging Trends in Freshwater Availability (Rodell et al 2018, Nature)
Projected increases and shifts in rain-on-snow flood risk over western North America (Musselman et al, 2018, Nature Climate Change)

### Funding Opportunities, Positions, and Other Announcements

- [Submit: Special Issue on Remote Sensing of Terrestrial Evaporation](#)
- [SWOT Mission: User Survey](#)
- [Physical Scientist (Program Scientist) position in NASA Astrophysics Division](#)
- [Program Planning Specialist (Policy Analyst) Strategic Integration and Management Division (SI&MD), at NASA Headquarters](#)

### NASA Applied Sciences

- [NASA Earth Science Applications Showcase (Aug 2018)](#)
- [ARSET Builds Capacity in Brazil – Watershed Management](#)
- [ARSET trainings in tropical storm monitoring reach 480 participants](#)
- [Application Window for NASA DEVELOP Spring 2019 Term (Aug 27-Oct 5)](#)
- [NASA’s International Space Apps Challenge – (Oct 2018)](#)

### Other Items of Note and Interest

- [NOAA RISA publication on Citizen Science Condition Monitoring](#)
- [USDA Northern Plains Climate Hub: Grassland Productivity Forecast Tool](#)
- [USBR, NOAA, USGS, USACE: Subseasonal Climate Forecast Rodeo (~800K in prizes)](#)

### Gallery - Our Community in the Field

**Caption:** Jennifer Jacobs and team in the field for CRUSTEx snow experiment, equipment includes radiometers.

**Caption:** Christine Lee, Nick Tufillaro (taking picture), Christiana Ade, Erik Bolch, and Daniel Gomez collecting data at San Luis Reservoir, August 3, 2018 during a blue green algae bloom.