



National Aeronautics and
Space Administration
Jet Propulsion Laboratory
California Institute of Technology
Pasadena, California



Surface Water and Ocean Topography (SWOT) Mission

SWOT Science Team Meeting

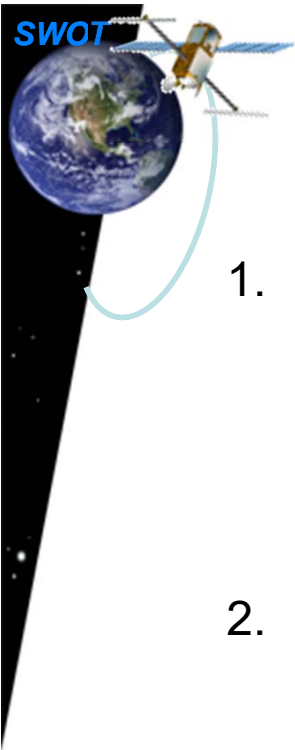
June 17-20, 2019

Bordeaux, France

Hydrology Data Product Meeting

Intro & Objectives

Tamlin Pavelsky



Overall Meeting Objectives



1. Describe all of the SWOT Level 2 hydrology data products to the SWOT Science Team in greater detail than possible in an ordinary ST session.
2. Explore the choices that the Algorithm Team is making in terms of data products and algorithms.
3. Get Science Team feedback and/or approval for these choices.
4. Introduce the Science Team to example data products where possible.



Meeting Structure

- Morning 1: Intro, Arriving at the Pixel Cloud
 - Goal 1: describe the overall SWOT data product structure
 - Goal 2: discuss the pixel cloud data product
- Morning 2: River Data Products
 - Goal 1: update progress on the SWOT a priori River Database (SWORD)
 - Goal 2: provide hands-on experience with example river data products
 - Goal 3: think about how we move from the pixel cloud to vectors
- Afternoon 1: Lake Data Products
 - Goal 1: update progress on the SWOT a priori Lake Database
 - Goal 2: provide hands-on experience with example lake data products
 - Goal 3: River-Lake interactions
- Afternoon 2: Miscellaneous topics
 - Goal 1: update on the raster, floodplain DEM products
 - Goal 2: think hard about what data quality flags we need as hydrologists.

SWOT



Principles



- Interrupt speakers with questions (if of broad interest)
- Be ready to provide feedback and, where appropriate, approval
- Participate in hands-on exercises where possible (close the e-mail?)