

Session on post-launch oceanographic campaign

Motivation

Coordinated augmentation of SWOT satellite and cal/val measurements will allow: (1) better interpretation and use of SWOT data, and (2) significant advances on the important science questions that motivated the SWOT ocean mission.

Notional campaign plan

Two field campaigns and a “crowdsourced” effort:

1. Wavenumber-frequency spectrum campaign aligned with cal/val and SWOT fast-repeat phase
2. Campaign focusing on frontal/submesoscale features, with scientific goals and a study region that encourage European participation
3. Adopt-a-crossover program; researchers with existing field programs collect data in fast-repeat crossovers.

Near-term action plan

Hold a community workshop this fall (Sept/Oct 2018) to:

1. Develop a vision that is of interest to funding agencies in Europe and the US– it must be centered on the science, not SWOT.
2. Better define the rationale and plan to inform NASA budget planning.