

# Working Group Session C: Aquarius Ocean Processes

# (Large-Scale) Features and Variability as seen by Aquarius SSS

## **Josh W.**

- Pacific Ocean,  
ENSO, ~ 0.5-1  
psu

## **Peter H.**

- Indian Ocean,  
1-5 psu

# Fresh-Water/Salt Budget:

$$E - P + R = d(S)/dt + O + (\text{error})$$

## Josh W.

- Entire water depth
- Intraseasonal, annual, interannual
- Observation-based (not all terms can be calculated)
- Large differences in the rainfall estimates

## Nadya V.

- Upper ocean mixed layer
- Long-term mean
- Model-based (biases, missing processes, inaccurate forcing)
- Ocean is important to close the budget

# Rapid & Sub-Footprint/Grid Variability, Potential Aliasing

## Rui P.

- Rapid variability (< 14 days)
- Potential temporal aliasing

## Peter H.

- Ascending/  
Descending
- Beam #1, 2, 3
- Potential spatial aliasing