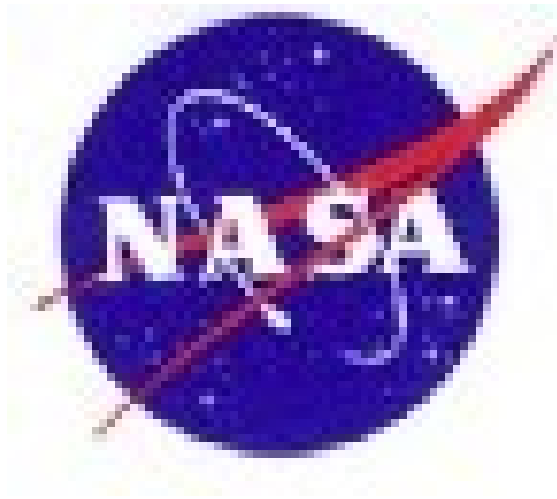


IOVWST 2025

Monday – Discussion of Goals

**Input from Mark, Session Chairs, and the
IOVWST organizing Committee**



Suggested Action #1: Put limits on how much stress (or U10EN or U10SE) depends on sea state

- There is a wide variety of parameterizations of how friction velocity and the drag coefficient depend on sea state.
 - Extreme differences in the function dependence on sea state (e.g., wave age and difference between wind and wave directions of propagation).
 - These are equivalent to stating that stress depends on sea state.
- Since satellites seem to respond to stress, this seems like a plausible means to test for dependencies of sea state on stress.
 - Provided that we can demonstrate that unaccounted for errors in scatterometer U10EN, U10SE, or stress are tiny relative to observed dependencies
 - It isn't clear we can make this statement at this time, but this seems like a good goal.
- How do we proceed?
 - CFOSAT – Marco L. working on this
 - Systematic errors in retrievals
 - Ray – update work based on feedback
 - Ad – Examine if there is a systematic change in cone statistics (residuals)
 - Others?



Suggested Action #2: Better Identification and Application of Ice edges

- Can we improve the identification of ice edges?
 - Ways to try:
 - ?
- If we know the ice edge, how can we improve winds?
 - Ways to try:
 - ?



Suggested Action #3: How can scatterometer data be more useful for Tropical Cyclone forecasts?

- We will likely come back to this later in the meeting.
- Ways to try:
 - ?



Suggested Action #4: Get more Graduate Students to IOVWST Meetings

- Graduate students who attended the last meeting and wanted to come to this meeting mostly lacked support to attend. How can we help them
 - The US participants will likely have to put this off until we learn about how changes to NASA budget impact us.
 - Others?
- Ways to try:
 - ?



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