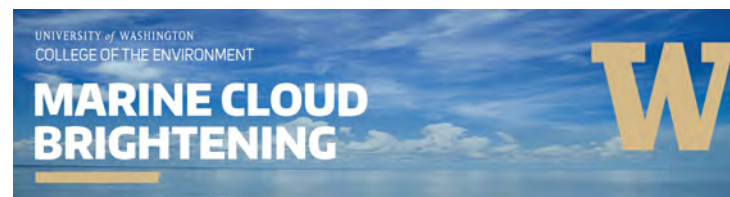


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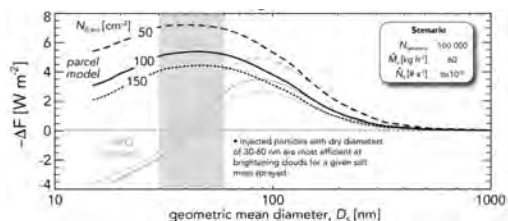


GOAL:

Quantify the full range of cloud responses to realistic aerosol injections for conditions under which MCB might be implemented

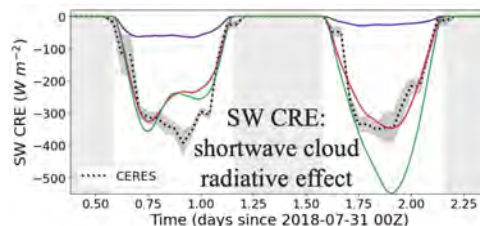
APPROACH:

Large-eddy simulating (LES) modeling studies of cloud evolution in the NE Pacific, with and without aerosol perturbations representative of MCB.



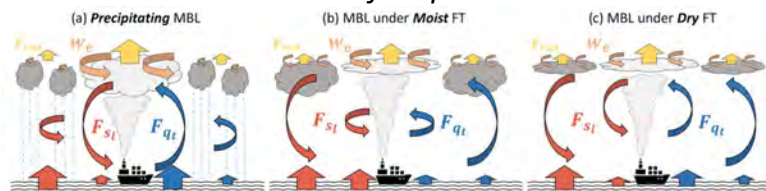
1. What is a "realistic aerosol injection" for MCB?

Rob Wood poster



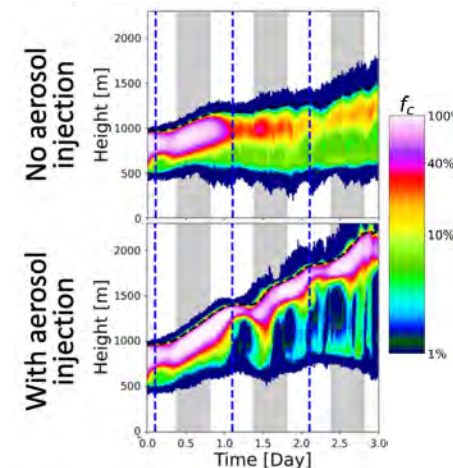
3. How accurate is our LES at representing unperturbed clouds in an MCB target region?

Ehsan Erfani poster



4. What processes have a significant impact on cloud evolution and cloud responses to aerosol injections?

Je-Yun Chun / Sarah Doherty poster



5. How is cloud evolution affected by aerosol injections representative of MCB?

Je-Yun Chun / Sarah Doherty poster

6. ... We're also looking at detectability of cloud perturbations with injection in both LES and observations.

2. How do we identify a tractable set of cases that represent the range of conditions in MCB target regions?

Ehsan Erfani poster

