

Reconstruction of SSH and the upper-ocean circulation

Considerations:

- High-resolution implies high computational cost
- Balanced vs unbalanced motions
- Noise vs signal
- Vertical velocity/ Omega equation
- Surface waves
- Tides
- Internal waves
- Mixing
- Errors/uncertainties

Discussion topics

Dividing up challenges, sharing results, ensuring communication between groups

- Focus on crossovers for Cal/Val and especially California Current?
- “Bake-off” common OSSEs for mapping?
 - not if it’s too demanding
 - keeping in mind the broad range of science questions
 - California Current domain---contact Jinbo Wang if interested (so far JPL, SIO/MITgcm, NRL)
- Entrain larger community (e.g. statisticians?)
- Workshop, white paper, actions before new science team proposals?