Assessing the State of Locking on the Frontal Thrust of the Cascadia Subduction Zone 4 with Seafloor Geodesy

Funding Agency: NSF – MGG

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Primary Goal: Measure the deformation rates of the accretionary_{42°} prism due to interseismic strain accumulation.



Motivating Scientific Questions

- What is the state of locking near the trench on the Cascadia subduction zone?
- What is the potential for tsunamigenesis in Cascadia?
- How does the state of locking vary along strike?





