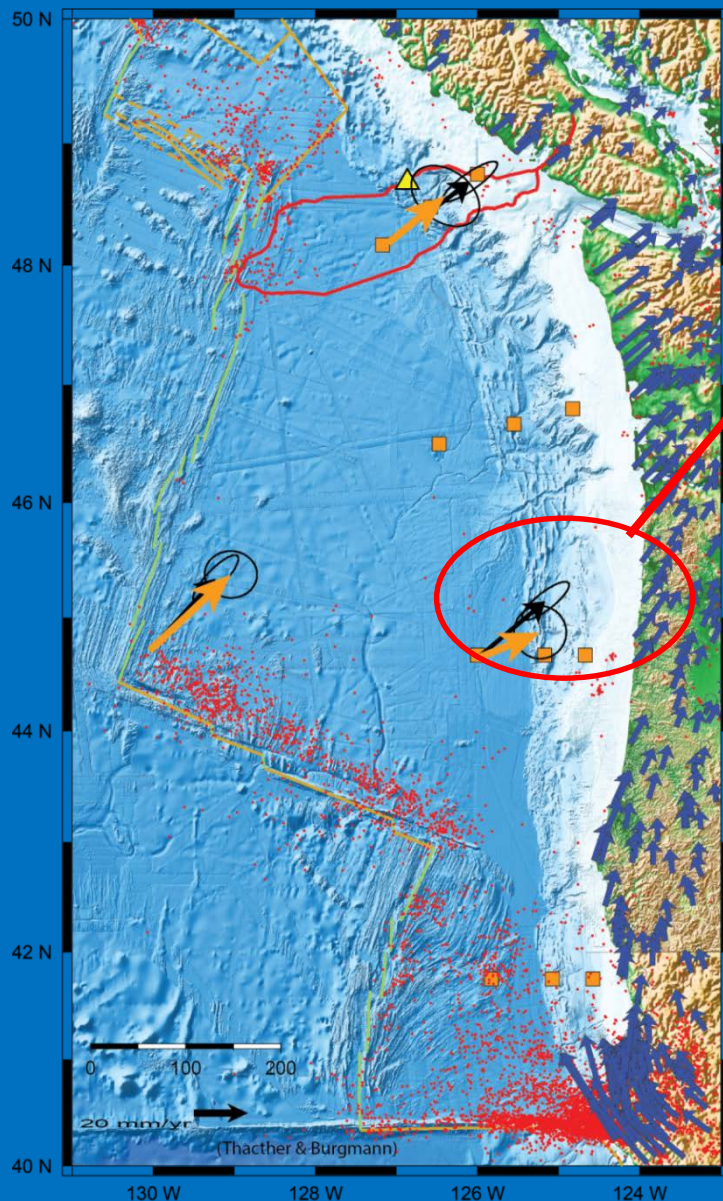


Seafloor Benchmarks: GPS-Acoustic Seafloor Geodesy in the Cascadia Subduction Zone

Jason/Thompson/cruise 10-15 June 2014 (OTIC funded) re-established existing GPS-Acoustic transponder site on the JdF plate.



- Foreground shows new seafloor benchmark (BM) with 3-D registration system for mating the transponder with millimeter repeatability to the BM. Placed new BM ~ 2 m from old unit (yellow).
- Successfully demonstrated Jason removing and replacing the transponders. Also measured the 3-d offset between old and new transponders at this and 3 other sites nearby.

Dave Chadwell (dchadwell@ucsd.edu) Scripps Institution of Oceanography; Spahr Web, LDEO; Scott Nooner, U. North Carolina Wilmington

[See Poster: G13A-0513, Seafloor BMs, Mon. PM]