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We are planning on submitting a three year proposal to NSF for the upcoming August 15 deadline. The idea would be for an ~3 day add on to someone's existing project at the EPR in 2007 to use Jason or Alvin to do three things: 1) deploy a set of benchmarks, maybe 10 of them, spanning (in a 3-D approach) the site of the most recent eruption, and co-located with some of the BPR instruments that we're deploying in Feb. 2) make a series (maybe three years worth initially) of campaign style pressure measurements on top of the benchmarks to constrain the long-term vertical deformation over the eruption site, similar to what Nooner and colleagues at PMEL have been doing at Axial Seamount. Tides and oceanographic effects can be taken out using the nearby BPR data, and BPR drift rates can be constrained from the results of the MPR (mobile pressure recorder) measurements. Together the two data sets will yield information about both the long-term and episodic deformation. 3) Finally modeling and interpretation of the combined geodetic data will help constrain geometry of magma movement and plumbing of the ridge system. Considering an eruption just happened there, the deformation rates should be higher right now and slowing down in future years. It seems like this experiment would provide some important geodetic constraints and fits right in to the ISS plan.