Deployments in Alaska

Bob Busby provided a summary of the status of Transportable Array in Alaska. The plan is to have 260 TA stations in Alaska, 190 of which are new and 70 of which are upgrades. The summer 2015 plan is for 36 new stations (9 completed) and 12 upgrades (2 completed), including new boreholes. Doug Christensen provided a review of previous temporary seismic experiments in Alaska and Canada, emphasizing that those data sets are available at the IRIS DMC. Cliff Thurber provided a summary of four experiments on the Aleutians (near Unalaska), including a long marine trench-normal magnetotellurics profile through Okmok volcano.

There was an emphasis on the availability of existing passive and active source seismic data. Much of the marine data for offshore southern Alaska is being handled and reprocessed by Lee Liberty (data to the west, near Kenai) and Sean Gulick (data to the east, near Yakutat); the UTIG Seismic Data Center archives much of these active source data. Donna Shillington's recent experiment will host its data at UTIG.

Jeff Freymueller summarized PBO in Alaska, which reached its current state in 2008. A snapshot of the current velocity field shows that Alaska is all moving and also contains non-tectonic signals from volcanoes and glacial isostatic adjustment. The GPS data are all open, but you need to go to several different data centers to retrieve them; all UAF data (campaign and continuous) are available at UNAVCO.