

The Plate Boundary Observatory (PBO) Nucleus project was funded by NSF in March 2005 and is a 3.5 year project to operate, maintain, upgrade, and integrate 209 GPS stations from six regional networks in the western United States into the Plate Boundary Observatory. A PBO Nucleus education program has been initiated to increase public understanding of Earth deformation processes and their societal relevance. The principal components of the education program include developing educational modules for college, middle school, and high school Earth science classrooms that involve students using authentic GPS data; implementing professional development workshops for instructors; creating an interactive website for disseminating educational materials; and forming collaborative networks of Earth scientists, college and university faculty, and K-12 teachers to design and test the modules.