## GPS antenna monuments and mounts supported by UNAVCO: Options and Effectiveness (poster for Fall AGU, 2008)

322 Beth Bartel March 26, 2010 Papers and Presentations, Presentations 1863

# GPS antenna monuments and mounts supported by UNAVCO: Options and Effectiveness

Normandeau, J., Meertens, C., Bartel, B. UNAVCO, 6350 Nautilus Dr., Boulder, Colorado 80303

#### Abstract

Many different monumentation types and antenna mounts have been used in UNAVCO-supported projects for campaign, semi-permanent and long-term continuous GPS sites. We summarize nine monuments and mounts currently in popular use in UNAVCO-supported projects as options to the greater scientific community. The designs range in height from 0 to 3 meters; substrates into which they are installed include soil, bedrock, and concrete; and costs range from approximately \$30 to \$15000. In many places outside the US, logistical, economical, and material restraints make installation of deep- and shallow-drilled braced monuments at best difficult and at worst impossible. Simpler single-mast or concrete monuments offer less expensive, more portable installation options.



### Download poster in original format (.png, created in Macromedia Fireworks)

#### Online URL:

https://kb.unavco.org/article/gps-antenna-monuments-and-mounts-supported-by-unavco-options-and-effectiveness-poster-for-fall-agu-2008-322.html