UNAVCO Resources: Permanent GPS/GNSS Stations

The UNAVCO Facility acts as an information clearing house for the broader UNAVCO community with respect to permanent station installation, equipment, maintenance, and support issues. UNAVCO provides field engineer, budget, equipment purchase, design and development, infrastructure (communications and power), data retrieval, and archiving support. We install and operate GPS networks around the world in support of NSF and NASA initiatives, including direct support to stations that are a part of the International GPS Service for Geodynamics (IGS) network.

Working with UNAVCO

Overview of Support Provided by UNAVCO
Brief overview of UNAVCO support capabilities for project preparation and execution.

Support Request Form
Use this online interface to request project support from UNAVCO.

Planning a Permanent Station Installation

Permanent GPS/GNSS Station Planning: Technology, Equipment, Costs
Primer on equipment, costs, and data management for permanent GPS/GNSS stations.

Reconnaissance Guidelines and Security Considerations
More detailed suggestions for site placement than given in the primer above.

Sample Budget
Example of various costs related to a general NSF-funded permanent station installation.

Station Documentation

UNAVCO Monument Record Form (.pdf)
Document new or poorly documented survey monuments (information about the marker only).

UNAVCO New Permanent Station Minimum Information Form
Submit the information needed to UNAVCO to begin data archiving.

UNAVCO Continuous Site Installation Report Template (2010, .doc)
Document a permanent station installation including marker information, equipment, communications, etc.
**Equipment**

**GNSS Equipment List with Vendor Information**
A list of equipment available on loan through UNAVCO and vendor information for scientists looking to buy their own components.

**Data Processing**

**UNAVCO Resources: Data Processing Software**
Different processing software is appropriate for different survey types. Outlines several data processing options.

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