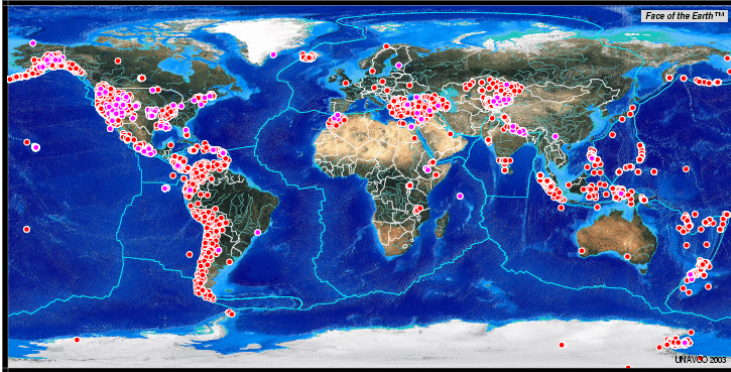


UNAVCO Data Center GNSS Archives

The UNAVCO GNSS Archive provides secure long-term storage for data and products from crustal deformation measurements. The metadata is held in a searchable database. Data and metadata are freely available to the scientific community and the public.



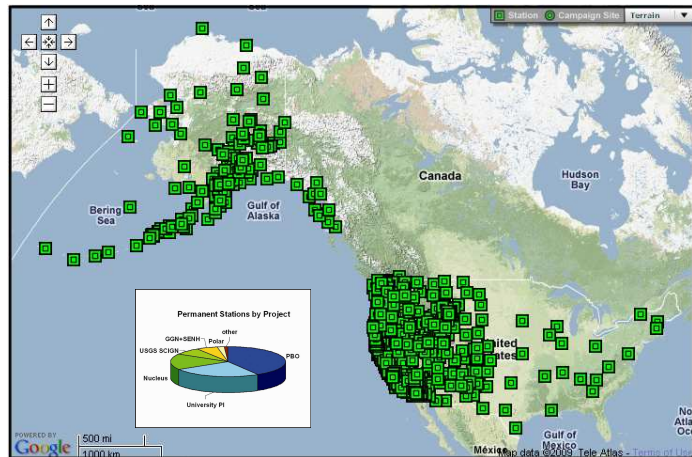
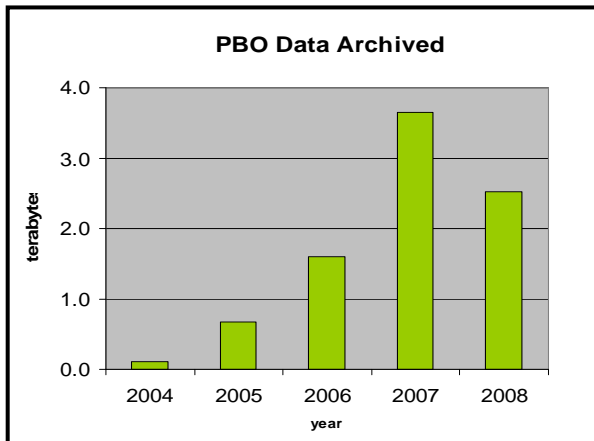
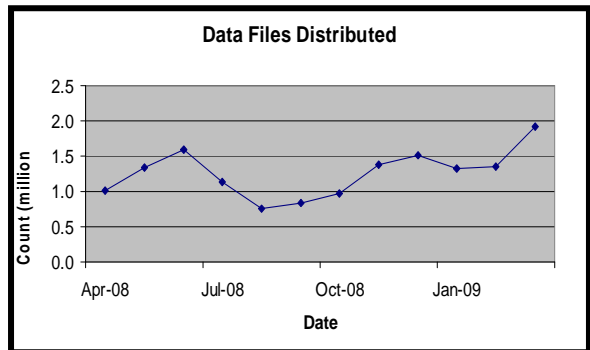
UNAVCO's GNSS Archives hold three million data files collected at ten thousand monuments worldwide. <http://facility.unavco.org/data/data.html>

Links to UNAVCO's Jules MapServer (left) and kmz files for these monuments (updated daily) are available here: <http://facility.unavco.org/data/maps/maps.html>

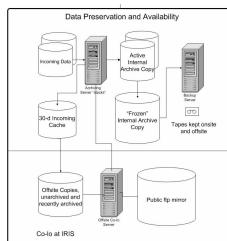
The GNSS Archives are searchable via the Data Archive Interface: <http://facility.unavco.org/data/dai2/app/dai2.html>

The Archive distributes fifteen million files per year, about six terabytes. The bulk of this data is delivered through anonymous ftp access to the public archives at <ftp://data-out.unavco.org/pub>. 70% of the files distributed are PBO/Nucleus data files. UNAVCO is on Internet-2.

Data and products are archived from 1100 PBO/Nucleus stations. These make up 59% of the 1850 currently active stations. PBO buildout occurred from 2004-2008. Large earthquake event-related downloads increased 2007 data volume archived by a substantial fraction.



The Archive holds multiple copies of all data for preservation and high availability. Monthly tape backups are kept on site and offsite in Seattle. The Archive's complete public collections are kept up to date offsite on an ftp server located in Seattle (at IRIS); this server is available during maintenance or in case of hardware failure in Boulder.



A failover system that duplicates database and archiving functions is under construction in Socorro.

UNAVCO's modern server room has dual, redundant cooling, power conditioning (UPS) and power distribution capability and a diesel-powered backup generator. Send questions to archive@unavco.org

