

PBO Pore Pressure Data

Pore pressure data are collected at several PBO strainmeter boreholes. The measurements are made using a Paroscientific, Inc. Digiquartz Pressure Instrument (<http://www.paroscientific.com/>). The sensor measures the pore pressure and the temperature at the pore pressure sensor. Currently, the sample interval is 5 minutes. The data are collected by a NetRS datalogger and downloaded daily. The raw data format is BINEX. The temperature and pressure data are extracted from the BINEX file and translated to ASCII and bottle formats.

The data can be retrieved from <http://pore.unavco.org/> or from each strainmeter home page http://pboweb.unavco.org/stations/?page=station_type&groupid=2. The data are stored in tar files, one per day of year. The filename format of each tar is BBBB.YYYYDDDPore.tgz where BBBB is the 4 character strainmeter code, YYYY is the year and DDD is the day of the year. There are five files within each tar.

Contents of Pore Pressure Tar File.

Filename	Format	Content
BBBByyDDDPorePressHPa	bottle	Pore pressure in hecto Pascals
BBBByyDDD PorePressHPa.txt	time-stamped ASCII	Pore pressure in hecto Pascals
BBBByyDDDPoreTempDegC	bottle	Temperature in Degrees Celsius
BBBByyDDDPoreTempDegC.txt	time-stamped ASCII	Temperature in Degrees Celsius
NNNNYYYYMMdd0000p.BNX	BINEX	Pressure and temperature data

Where, yy is the last two digits of the year, NNNN is the 4-character code for the NetRS, MM is the month and dd is the day of the month. The sensor coordinates and depth can be found in the ASCII files.

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