Extensional strain recorded by two underground Michelson-like geodetic interferometers, located close to the Laboratorio Subterraneo de Canfranc (Central Pyrenees, Spain), December 2011 to November 2018. The two instruments take continuous precision measurements of local strain in terms of the relative extension $\Delta L/L$, where L is the interferometer length and ΔL its change over time. Strain is given in nanostrain, where 1 nanostrain is for $\Delta L/L=10^{-9}$. Details on the intrumental setup can be found in Amoruso et al. 2018.

The two files (2011-2018_GAL16_600s_SLIST.dat and 2011-2018_LAB780_600s_SLIST.dat) contain low-passed data, decimated at 600-s sampling rate after subtracting diurnal, semi-diurnal, ter-diurnal, and quater-diurnal linear and nonlinear tides (see Amoruso & Crescentini, 2016). The best-fit linear trend has been removed from each data segment. The first strain value of each segment is always 0, since the strain value after any break is arbitrary.

References

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