Fennoscandian summers from AD 500: Temperature changes on short and long timescales

Briffa, KR, Jones, PD, Bartholin, TS, Eckstein, D, Schweingruber, FH, Karlén, W, Zetterberg, P and Eronen, M (1992)

- Details on UEA-eprints
- `90_92_Tornetrask.tar.gz` contains all the files necessary to run the transfer function and reconstruction

Transfer function (A, B and C refer to the standardisation method given in Table 2)

A - run using first half of chronology (TRW), JA only.

Tree chronology file: `booktorn.dat`

Climate data file: `fennoscandt.dat`

To execute the transfer function run: `run_tornA_CH.com`

BB

Tree chronology file: `ttrwfitmxdfit_BB.dat`

Climate data file: `fennoscandt.dat`

To execute the transfer function run: `run_tornBB_CH.com`

BC

Tree chronology file: `tornmxdtrwBC.dat`

Climate data file: `fennoscandt.dat`

To execute the transfer function run: `run_tornBC_CH_diff_TRW.com`

B - run using first half of chronology (TRW), JA only.

Tree chronology file: `tornmxdtrwBB.dat`

Climate data file: `fennoscandt.dat`

To execute the transfer function run: `run_tornB_CH.com`

The above configurations reproduces the coefficient values in Table 2 of the paper.

Reconstruction

To execute the reconstruction run: `run_recon_tornBC_CH.sh` which picks up the coefficients file (`coeffskBC007.dat`) and the parameters file (`osrreconBC007.par`). The executable used is `reconnorm`.

The reconstructed series (osrrecon_tsBC007.dat) matches the Table 3 individual years values.

Created: August 2012, Colin Harpham