

Re: TCINV v1.30, updated 22/Aug/05

TCINV is a program for inverting in-loop TEM data to layered models.

TCINV 1.30b reads and writes STEMINV-format *.OBS & *.M1D files. STEMINV can plot staircase models, so you can use STEMINV to prepare data for TCINV and for plotting TCINV results.

!## Note that the TCI keyword Ramp has been changed to TxRamp, 22/Aug/05
!## So old TCI files may have to be edited.

Files:

tcinv.exe = text I/O modeling program

tcidemo.tci = survey configuration and inversion control file

Note that the namelist format has changed slightly, the namelist block must now be closed with a / rather than the \$end used by tcinv v1.20

tcidemo.obs = TEM data in STEMINV format

tcidemo.m1d = layered starting model in STEMINV model file format

tcidemo.std = STEMINV survey configuration data, for use with STEMINV

tcidemo.nts = notes on creation of TCINV test and demonstration data files

COPY an existing set of STEMINV files to a set with new names, i.e.:

"COPY 1000NT.STD 1000NT1D.STD"

"COPY 1000NT.M1D 1000NT1D.M1D"

"COPY 1000NT.OBS 1000NT1D.OBS"

COPY an old *.TCI file to the new name:

"COPY TCIDEMO.TCI 1000NT1D.TCI"

Edit *.TCI file to get appropriate values for DataFile, Station, NL, Res and Thk parameters. TCINV inverts one station at a time, so you have to edit Station= in the *.TCI file for each additional station you want to invert.

To look at the results, run STEMINV, which thinks that it's reading files updated by RSTEMINV. Choose menu option 4 for plots of each sounding and model. Every station modeled by TCINV will have a staircase model curve.

A sample set of files with data from tem1d v2.01f is included (i.e. tcidemo.*)