

Importing TEM Data into IX1D v 3 using PROTIX– A Tutorial

Version 1.0

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First list and read the PROTIX Help File

```
Exporting for Ix1D

* Press <Pg> to scroll through decays

* Mark some decays to export with +
  M<Ent> marks all.
  Msss<Ent> marks stations beginning sss;
  - unmarks; MU<Ent> unmarks all.

* Press C<Ent> to combine & copy marked
  decays (adding to end of list).
  You can then unmark all (MU),
  and mark and copy more decays.

  (Adjacent measurements at same station
  will be averaged. Press *sss<Ent><Ent>
  to change the current station to sss. )

* Press <Esc> to write the copied soundings
  in a .USF file for interpreting with
  Interpex's Ix1d.
```

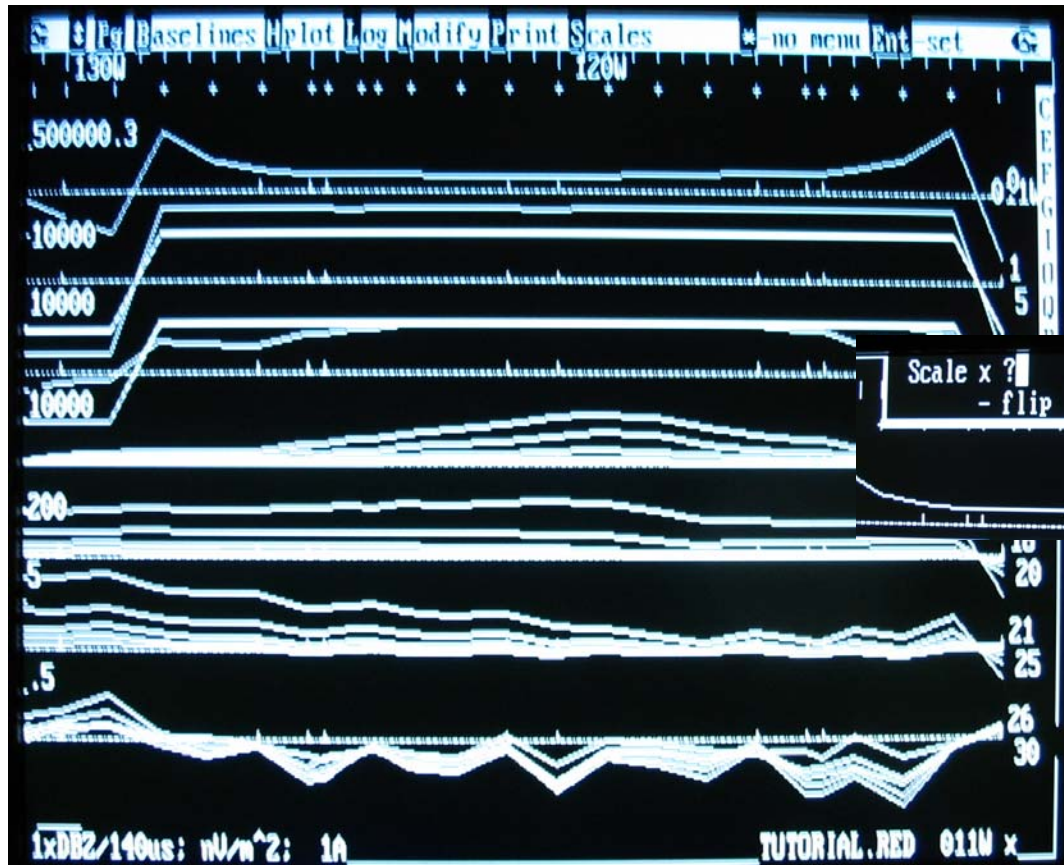
Now with this in mind, we execute PROTIX.

Next Run PROTIX with file name

```
C:\IX1D\Data\Geonics>PROTIX TUTORIAL.RED
```

In a DOS window, run PROTIX with the name of the file you wish to convert to USF FORMAT.

The DOS Graphics Shows Data



Press "M" to bring up a menu:

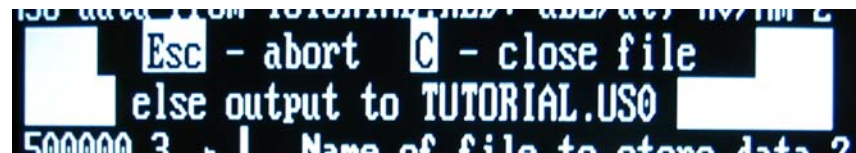
Press <enter> to mark all soundings and continue.

The DOS graphics screen shows the data and a menu. The file is identified in the lower right corner of the screen.

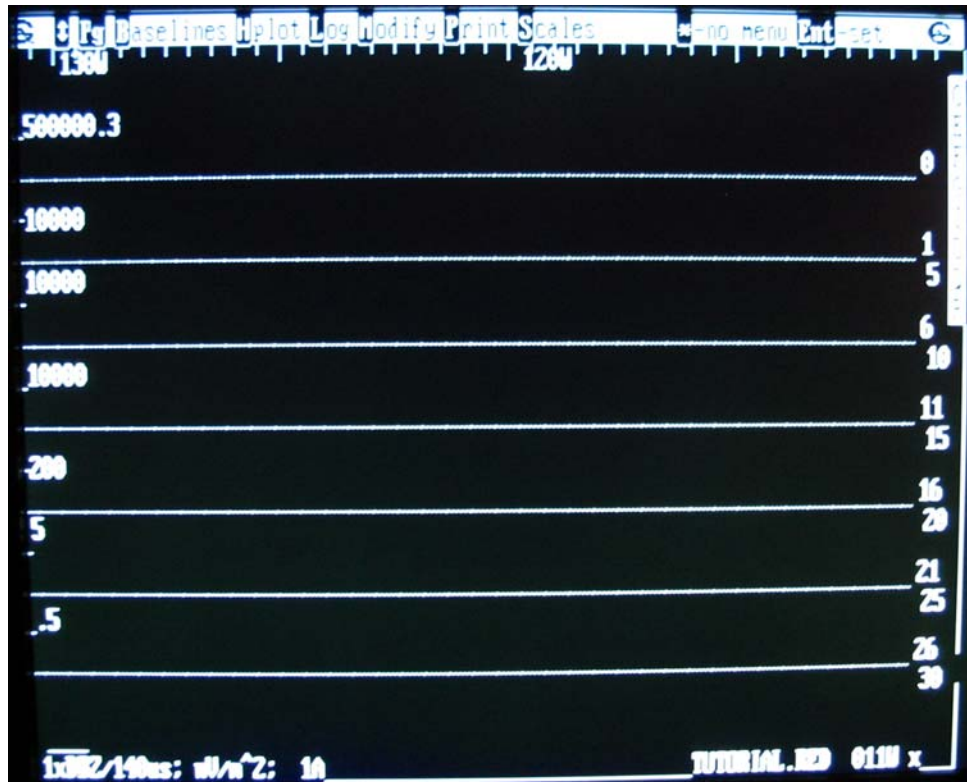
Output the Data



Enter the name of the file and press <enter>. Here we will name the file Tutorial.USF. When the menu pops up, press <enter> again to finalize the output.



Revert to Main Screen



- Q** - Quit
- D** - shell to DOS
- N** - Name new procedure or model:
- M** - MOTEM (HHS, Plate, Sheet)
- R** - RECTAN (HLE Forward)
- T** - TEMIX (HLE Inverse)

Press "Q" to Quit, press "Q" again to select mode of Quitting

Finally, Run USFXLT to Finish Conversion

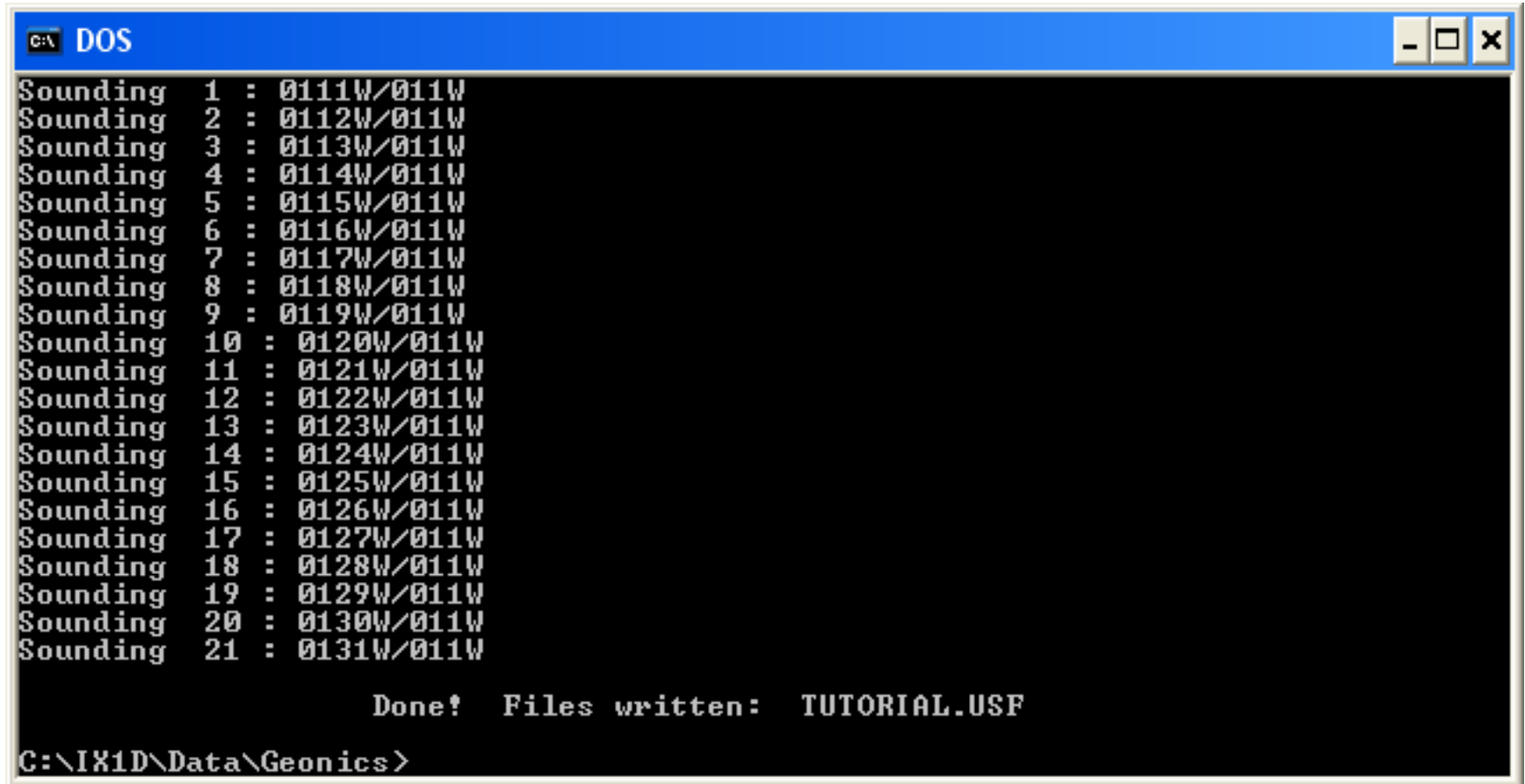
```
C:\IX1D\Data\Geonics>USFXLT_
```

```
Writing data to file TUTORIAL.USF  
Press 5 for 50Hz frequencies
```

```
Assigning Tx dimensions 200, 300  
Enter: Rx offset from Tx center (X,Y)  
       'Cssss' if center at station ssss;  
       'A'    to ask at each sounding  
       ? Csss
```

After exiting PROTIX, run USFXLT to finalize conversion of intermediate file to USF format. Press “5” if you have 50 Hz power line frequencies. Select Tx position or Ask at each sounding.

Finished!



```
C:\ DOS
Sounding 1 : 0111W/011W
Sounding 2 : 0112W/011W
Sounding 3 : 0113W/011W
Sounding 4 : 0114W/011W
Sounding 5 : 0115W/011W
Sounding 6 : 0116W/011W
Sounding 7 : 0117W/011W
Sounding 8 : 0118W/011W
Sounding 9 : 0119W/011W
Sounding 10 : 0120W/011W
Sounding 11 : 0121W/011W
Sounding 12 : 0122W/011W
Sounding 13 : 0123W/011W
Sounding 14 : 0124W/011W
Sounding 15 : 0125W/011W
Sounding 16 : 0126W/011W
Sounding 17 : 0127W/011W
Sounding 18 : 0128W/011W
Sounding 19 : 0129W/011W
Sounding 20 : 0130W/011W
Sounding 21 : 0131W/011W

Done! Files written: TUTORIAL.USF

C:\IX1D\Data\Geonics>
```

Sounding numbers and names scroll by as the conversion is completed..