

T-VLF Software

The **T-Vlf** software is a new data transfer and visualization software to be used with the T-Vlf unit of *IRIS Instruments*.

This software requires the following minimal PC configuration:

- Pentium II microprocessor
- Windows 98 (Second Edition)
- 128 Mb RAM memory (256 Mb recommended)
- 1280 x 768 screen

The main functions of the **T-Vlf** software are the following ones:

- Data download and presentation
- Data filtering
- Numeric or graphic presentation
- Tilt or resistivity curve display
- Computation and display of the Fraser curve
- Export to "txt" file
- Possibility to import data files previously transferred and saved with the first software version (DOS) of *IRIS Instruments*.



The data transfer to a PC can be done by a serial link RS-232 or a USB cable.

All the parameters measured by the unit can be graphically displayed by the software.



Graphic window of T-vlf software



T-VLF Software

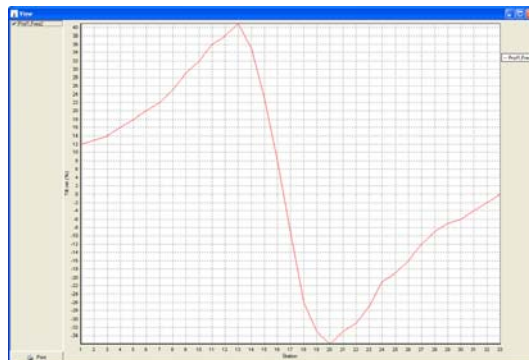
| # | Profile | Station | Meas.Mode | Freq.(Hz) | Q (%) | Tilt.ver.(%) | Ellip.ver.(%) | H hor.(µA/m) | Tilt.hor.(°) | Ellip.hor.(%) | Ch1 Gain | Ch1 Dvld | Ch2 Gain | Ch2 Dvld | Ch3 Gain | Ch3 Dvld | Freq.# |
|----|---------|---------|-----------|-----------|-------|--------------|---------------|--------------|--------------|---------------|----------|----------|----------|----------|----------|----------|--------|
| 1 | 1 | 1 | Tñ | 18300 | 93 | -10 | -10 | 122.00 | 16 | 4 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 2 | 1 | 2 | Tñ | 18300 | 90 | -13 | -11 | 124.00 | 20 | 3 | 16 | 1 | 16 | 0 | 16 | 0 | 2 |
| 3 | 1 | 3 | Tñ | 18300 | 89 | -14 | -12 | 125.00 | 22 | 3 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 4 | 1 | 4 | Tñ | 18300 | 93 | -16 | -13 | 122.00 | 20 | 3 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 5 | 1 | 5 | Tñ | 18300 | 93 | -18 | -14 | 128.00 | 21 | 3 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 6 | 1 | 6 | Tñ | 18300 | 94 | -20 | -15 | 129.00 | 18 | 4 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 7 | 1 | 7 | Tñ | 18300 | 94 | -22 | -16 | 122.00 | 17 | 4 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 8 | 1 | 8 | Tñ | 18300 | 95 | -25 | -17 | 132.00 | 19 | 4 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 9 | 1 | 9 | Tñ | 18300 | 94 | -29 | -18 | 129.00 | 18 | 5 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 10 | 1 | 10 | Tñ | 18300 | 95 | -32 | -19 | 136.00 | 21 | 4 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 11 | 1 | 11 | Tñ | 18300 | 96 | -36 | -19 | 138.00 | 20 | 4 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 12 | 1 | 12 | Tñ | 18300 | 96 | -38 | -19 | 148.00 | 20 | 4 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 13 | 1 | 13 | Tñ | 18300 | 96 | -41 | -17 | 160.00 | 20 | 3 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 14 | 1 | 14 | Tñ | 18300 | 95 | -35 | -14 | 187.00 | 24 | 3 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 15 | 1 | 15 | Tñ | 18300 | 89 | -23 | -8 | 228.00 | 25 | 3 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 16 | 1 | 16 | Tñ | 18300 | 74 | 8 | -3 | 245.00 | 25 | 4 | 1 | 0 | 1 | 0 | 1 | 0 | 2 |
| 17 | 1 | 17 | Tñ | 18300 | 100 | -9 | 2 | 254.00 | 28 | 4 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 18 | 1 | 18 | Tñ | 18300 | 100 | -26 | 9 | 214.00 | 22 | 3 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 19 | 1 | 19 | Tñ | 18300 | 100 | -33 | 12 | 185.00 | 19 | 3 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 20 | 1 | 20 | Tñ | 18300 | 100 | -36 | 15 | 138.00 | 22 | 2 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 21 | 1 | 21 | Tñ | 18300 | 100 | -33 | 16 | 139.00 | 22 | 2 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 22 | 1 | 22 | Tñ | 18300 | 100 | -31 | 17 | 128.00 | 20 | 2 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 23 | 1 | 23 | Tñ | 18300 | 100 | -27 | 15 | 123.00 | 22 | 2 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 24 | 1 | 24 | Tñ | 18300 | 100 | -21 | 14 | 124.00 | 24 | 1 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 25 | 1 | 25 | Tñ | 18300 | 100 | -19 | 13 | 122.00 | 24 | 1 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 26 | 1 | 26 | Tñ | 18300 | 100 | -16 | 13 | 121.00 | 24 | 1 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 27 | 1 | 27 | Tñ | 18300 | 100 | -12 | 11 | 96.80 | 28 | 1 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 28 | 1 | 28 | Tñ | 18300 | 100 | -9 | 11 | 114.00 | 26 | 1 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 29 | 1 | 29 | Tñ | 18300 | 100 | -7 | 10 | 106.00 | 27 | 1 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 30 | 1 | 30 | Tñ | 18300 | 100 | -6 | 9 | 103.00 | 28 | 1 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |
| 31 | 1 | 31 | Tñ | 18300 | 100 | -3 | 9 | 88.20 | 27 | 1 | 16 | 1 | 16 | 0 | 16 | 0 | 2 |
| 32 | 1 | 32 | Tñ | 18300 | 100 | -1 | 9 | 44.50 | 27 | 1 | 16 | 1 | 16 | 0 | 16 | 0 | 2 |
| 33 | 1 | 33 | Tñ | 18300 | 99 | 0 | 9 | 38.60 | 31 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 2 |

Numeric display

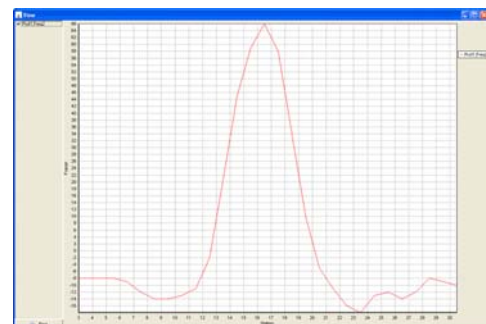
Once the data have been transferred and edited, several actions can be performed:

- Data filtering based on a parameter (quality factor,...)
- Display of the tilt curve along the measuring profile
- Computation and display of the Fraser curve
- ...

Data filtering



Tilt curve display



Fraser curve

G E O P H Y S I C S



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