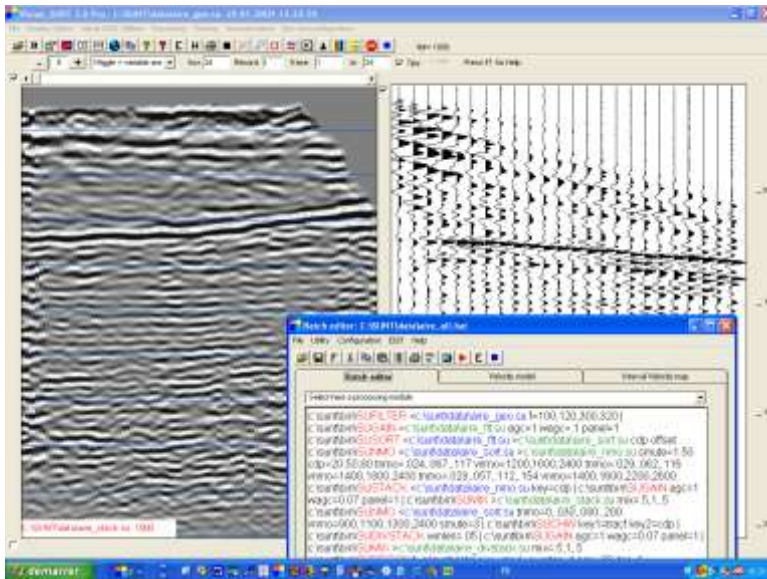


Visual_SUNT Seismic Reflection processing, graphical interface for SEISMIC UNIX* for Windows



Visual_SUNT is a Windows 95,98, NT, Xp, Vista, Seven (32 and 64 bits) software linked to SUNT modules (Seismic UNIX for Windows).

SUNT is an adaptation for Windows of SEISMIC UNIX (Center for Wave Phenomena of Colorado School of Mine).

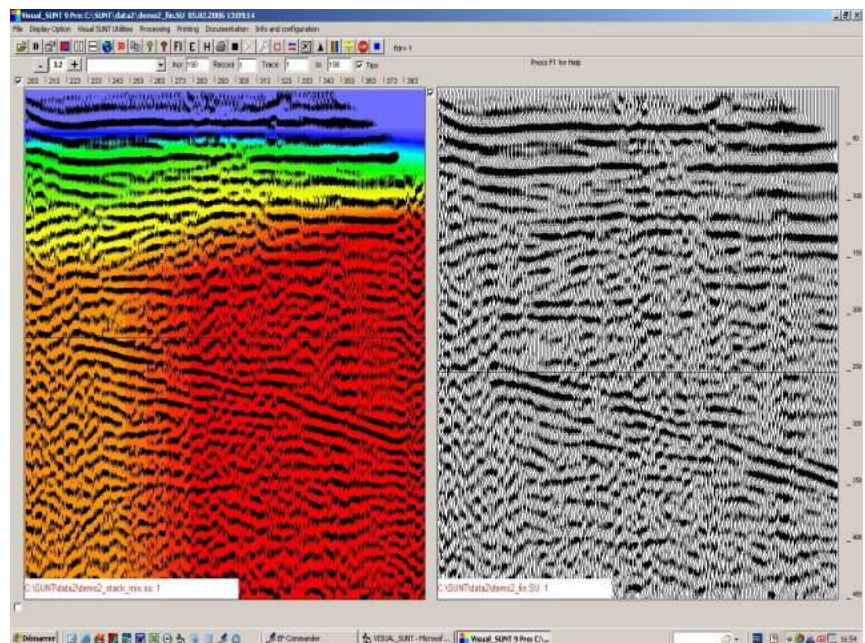
There are more than 100 modules allowing all usual steps of seismic reflection processing. There is no limit on the number of traces!

Visual_SUNT also contains specific utility modules that complement those of SUNT. With **Visual_SUNT** you can easily convert SEG-2, SEG-Y, SEG-D, ABEM and OYO data to SU/SEG-Y. Among the Visual_SUNT utility modules are: **Header display, Header edit, frequency spectrum, on screen mute and trace kill, geometry display, velocity computation with hyperbola curve, first breaks pick, easy geometry input, FK filtering, deconvolution, velocity semblance, residual statics, stacking chart and more...**

Visual_SUNT batch editor is a powerful tool with on line help and interactive input. All important SU/SUNT modules have an input panel with comments and default values.

Visual_SUNT display options are multiple: wiggle, amplitude, color, gray scale... You can print at any scale your printer is capable of, and very long plots are possible. You can also save profiles on files (BMP or JPG).

The standard version is limited to 60 channels per shot.



Visual SUNT specifications

Visual_SUNT display

- B&W, Color
- Amplitude color and gray scale. (All colors can be selected by the user).
- Wiggle
- Positive only
- Fold display below stacked profile
- Velocity model color in background
- True amplitude or trace equalization
- Reverse polarity
- Zoom
- Scroll up and down, left and right with cursor.
- Dual display for comparison

Visual_SUNT printing module

- High quality printing module with preview, zoom, scroll
- WMF export of any SU file (compatible with COREL DRAW, Adobe Illustrator, ...)
- Velocity model, fold and topography can be easily printed!
- Color, B&W, amplitude gray scale, amplitude color scale, wiggle, clip...
- Hard copies, BMP and JPEG file recording

File utility

- Conversion from SEG2, SEG_B, SEG-Y, SEG-D and more
- RADAR files RAMAC, GSSI and EKKO PULSE are supported now!!!!
- If your seismograph is not listed here, we can write a translation module for you!
Contact us
- ASCII file to SU and SU to ASCII
- SU to SEG-Y
- Header visualization and editing
- Header value export module to EXCEL
- RAYFRACT export ASCII file
- PLOTREFA export ASCII file

Raw data utility

- First breaks alignment for statics
- Automatic first break picking
- Refraction statics with automatic thickness computation
- Field statics
- Many possibilities to kill traces and mute records

Geometry

- Easy interactive geometry even with Split spread with gap!
- Stacking chart
- Geometry input with CSV files
- Geometry display on map (for control)
- Output file with all geometrical data
- Crooked line geometry

On screen

- FK drawing and filtering
- Frequency spectrum
- Polygonal mute on screen
- Kill traces on screen with automatic trace increment

- Reverse trace

Velocity

- Interactive velocity semblance picking
- Interactive NMO display with time-velocity picking
- Interactive velocity picking on constant velocity scan
- Direct velocity scan
- Semblance interactive module
- Velocity distribution colored map
- Hyperbole drawing
- Linear velocity

Visual SUNT specific utility modules

- Predictive deconvolution
- FK filtering with polygon drawing on screen!
- Time to depth easy conversion
- History file recording all processing operations
- Easy Frequency spectrum
- Frequency filtering panel
- Filtering panels
- Residual statics
- Refraction static module
- Digitalization module
- Interactive filter design
- Vibrator utility: parameters input, correlation
- Automatic kill of noisy traces
- Smart Stack New powerful CDP stacking tool

Radar utilities

- Delete mean trace
- Linear and exponential gain
- 2D mixing

SUNT utilities

With Visual_SUNT you can use easily ALL SUNT processing modules (more than 100 modules...)

Batch processing with spelling control and automatic file name input

You can add your own modules!!

Help and tutorial

Manuals and an important documentation on the CD

- Contextual help file
- All SU modules have an on-line description
- Two demo sets with processing batch flow
- Direct easy WEB link for help e-mails and upgrades
- Videos showing all the important processing steps

Software protection: USB key allow you to move your license from one computer to another one. Soft key is also available.

No other seismic processing software on the market is competitive with Visual_SUNT price/capacities ratio. Inexpensive multi-user licenses are available for academic nonprofit purpose. Download and try with your data with Visual_SUNT. The web version includes the manual but does not have AVI Processing demo videos and some conversion tools and *Visual_SIGHT* and *3D* modules !