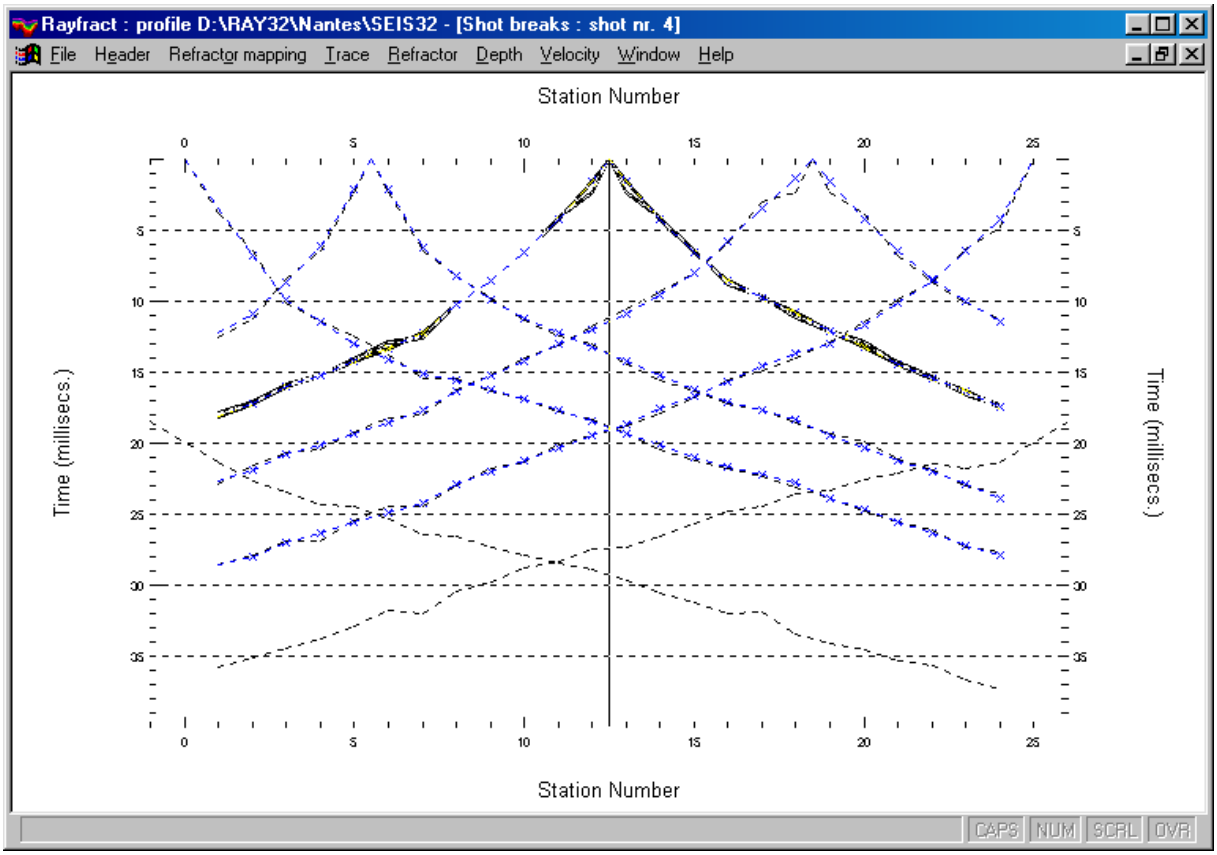
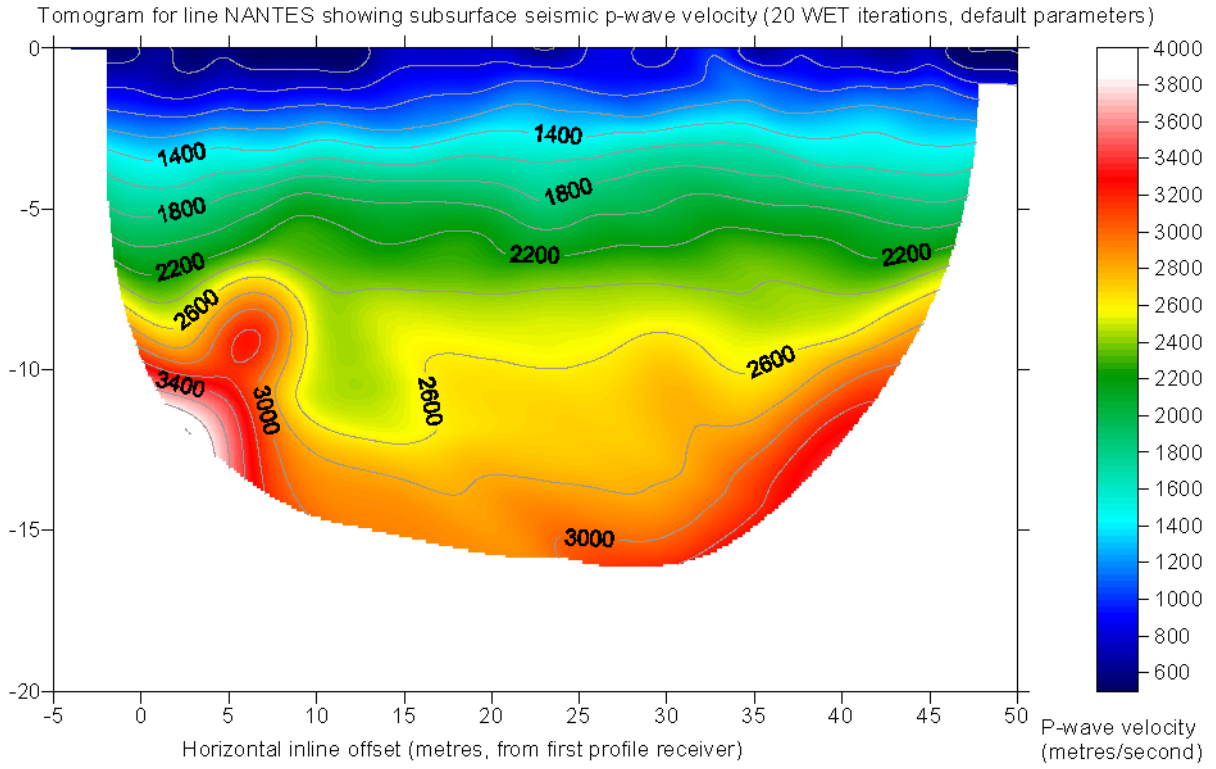
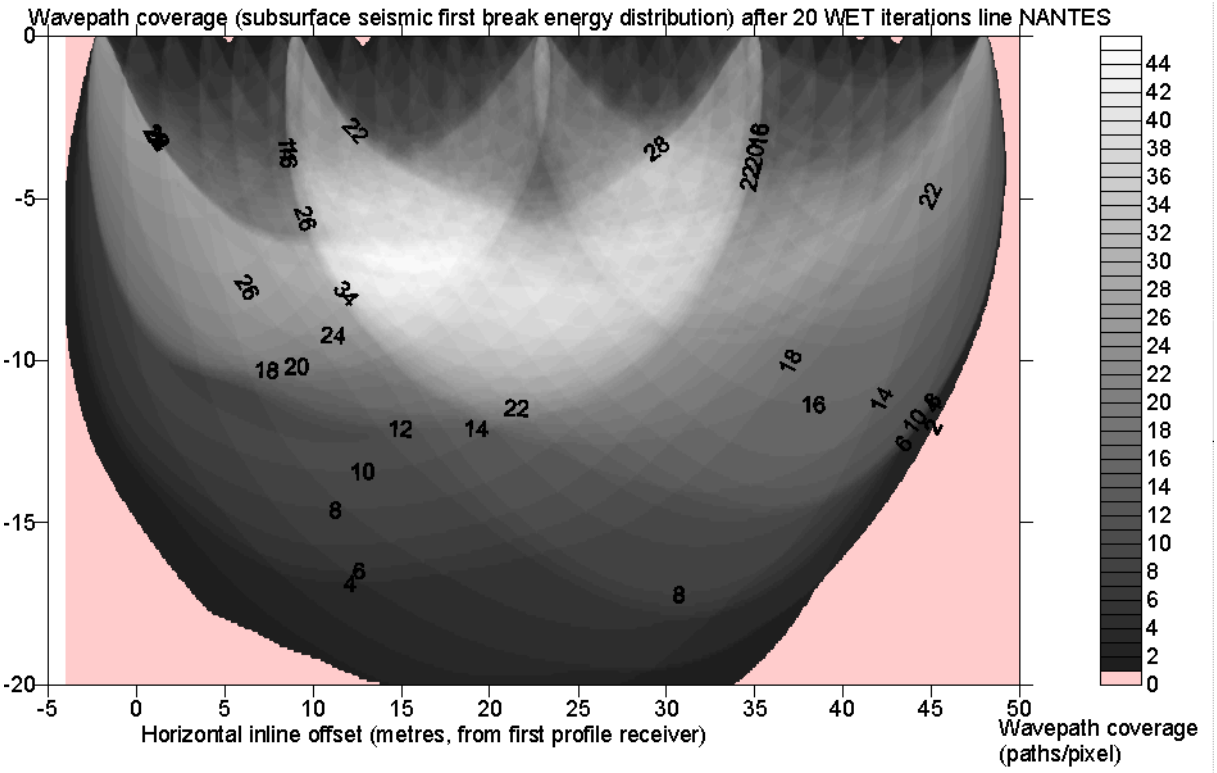
Processing of seismic test line NANTES / France as given to Intelligent Resources Inc. by GEOMETRICS in March 1999 :

Match of synthetic traveltimes (blue dashed curves and crosses) against picked times (colored curves), after 20 WET inversion iterations. See Wavepath eikonal traveltime inversion: Theory (Gerard T. Schuster and Aksel Quintus-Bosz 1993, GEOPHYSICS VOL. 58 NO. 9 September 1993, P. 1314 – 1323).





Wavepath coverage of subsurface, corresponding to above tomogram :



The Delta-t-V processing time was around 1 minute. The tomography algorithm (20 iterations, grid of 500 columns times 199 rows) took about 10 minutes, on an Intel Pentium III processor at about 500 MHz. Gridding and contouring with Surfer took about 1 minute.

You may download the seven SEG-2 formatted shot files on which this inversion / tomography processing is based from our anonymous ftp account :

http://rayfract.com/tutorials/NANTES.ZIP . Please note that we recommend to record at least 10 or more shots

per profile, for reliable interpretations with our Delta-t-V and WET inversion methods.

For more information on our Rayfract™ software, please go to our web site

http://rayfract.com .