

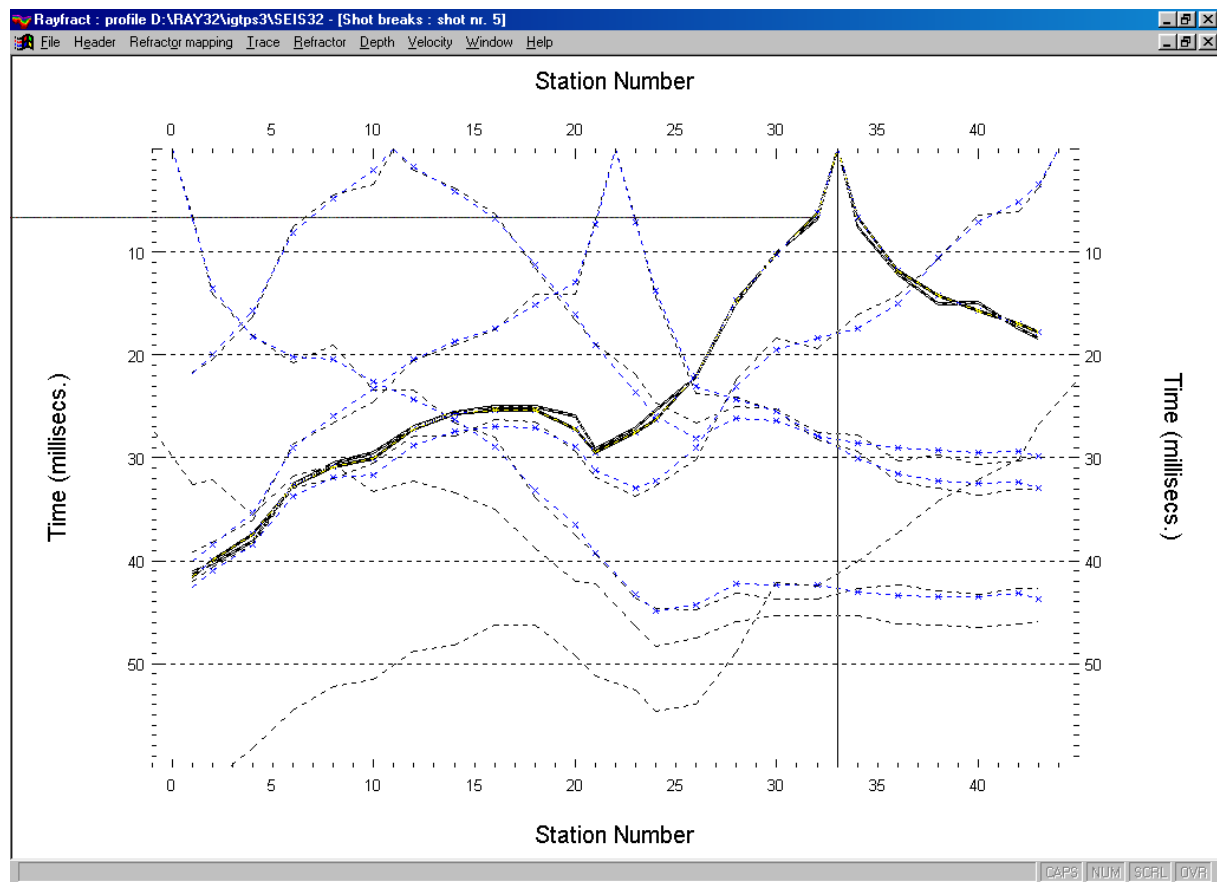
Processing of I.G.T.line PS3 sent to Intelligent Resources Inc. in March 2001 :

Here we show processing of a low coverage (7 shots into 24 receivers) survey, with our Delta-t-V and WET inversion methods. Please note that we recommend to record at least 10 shots per profile, to obtain reliable interpretations.

You may download the relevant SEG-2 formatted binary trace data files and .GRM Interpex Gremix ASCII file with first breaks and line topography from our web site :

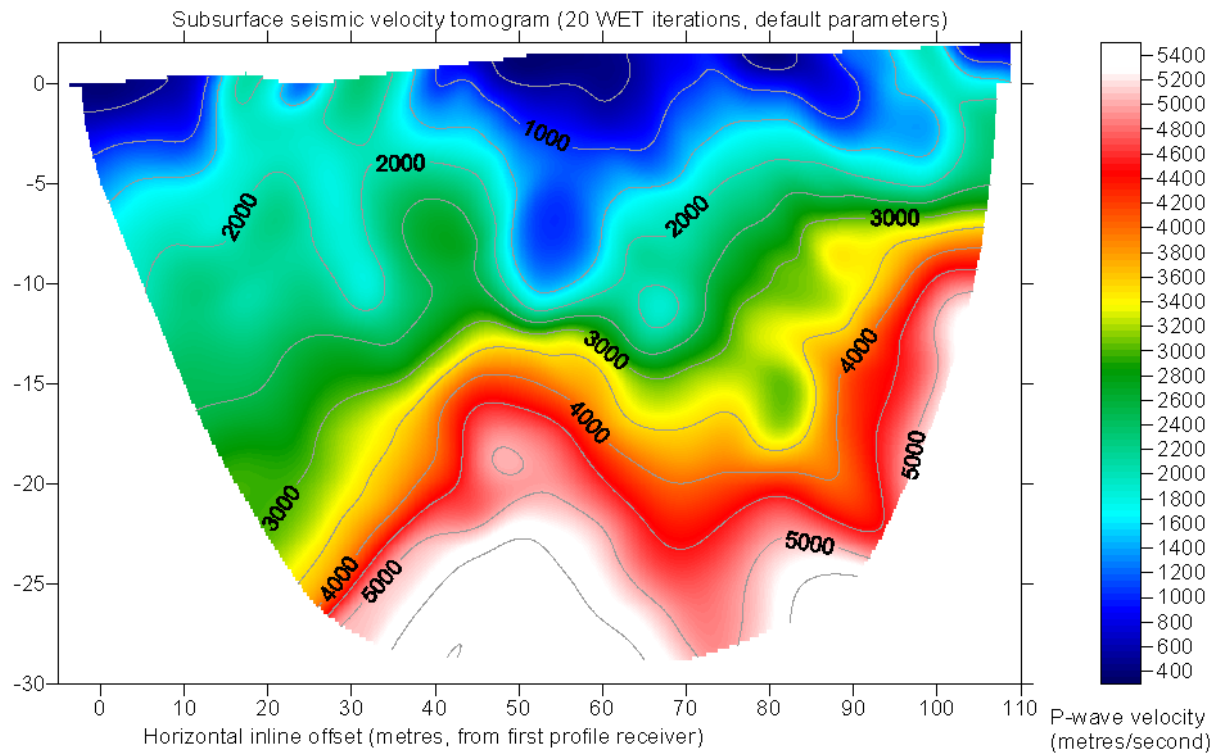
<http://rayfract.com/tutorials/IGTPS3.ZIP> .

Match of synthetic traveltimes (blue dashed curves and crosses) against picked times (black dashed curves), after 20 iterations of our Wavepath Eikonal Traveltime Inversion tomography processing (Gerard T. Schuster and Aksel Quintus-Bosz 1993, GEOPHYSICS VOL. 58 NO. 9 September 1993, P. 1314 – 1323) :

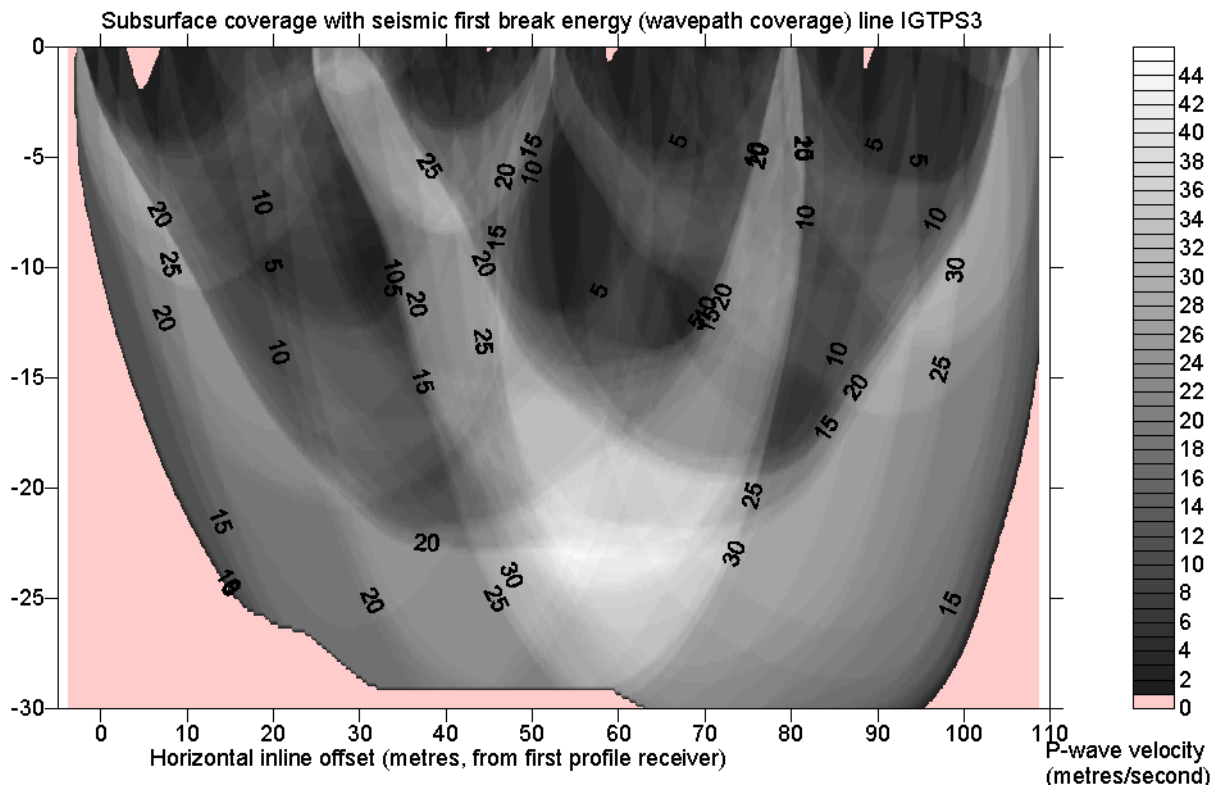


The Delta-t-V processing time was around 1 minute. The tomography processing (20 iterations, grid of 400 columns times 148 rows) took about 3 minutes, on an Intel Pentium III processor at about 500 MHz. Gridding and contouring with Surfer took about 1 minute.

Velocity model corresponding to above synthetic times, as obtained by WET tomography algorithm updating of original Delta-t-V model (default parameters), after 20 iterations :



Wavepath coverage (subsurface distribution of first break energy) corresponding to above tomogram :



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

<http://rayfract.com> .