Plot first 8 WET runs for NGU 1_1D multiscale Conjugate-Gradient WET on one page / Sep 2, 2025 :

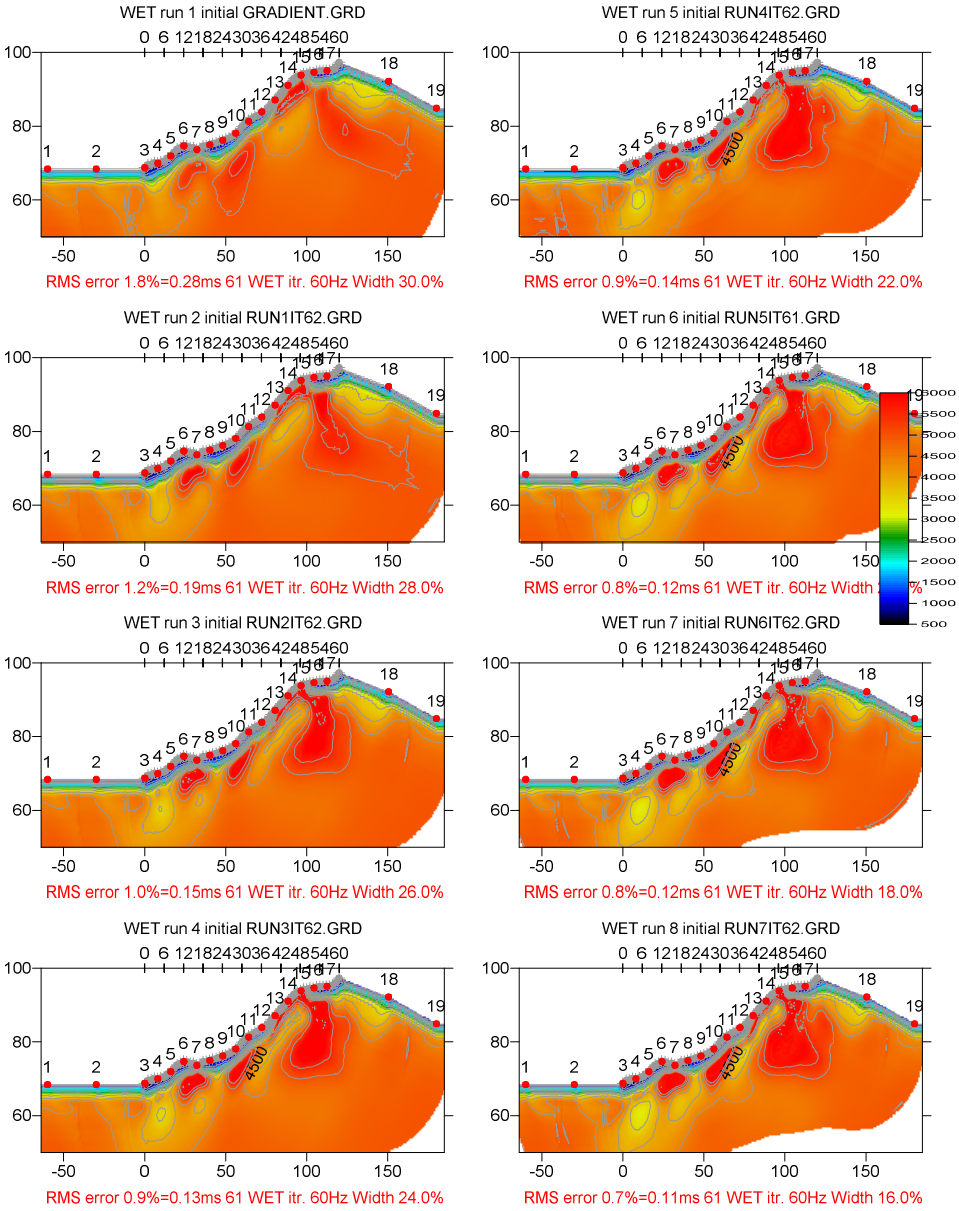

Fig. 1 : plot first 8 Conjugate-Gradient WET runs (61 WET iterations per run) for NGU profile 1_1D multiscale WET on one page with new Grid menu command ***Plot multiple WET runs on one page*** available with our 5.02 Pro version. Starting model for first WET run is 1D-gradient grid file obtained with ***Smooth invert|WET with 1D-gradient initial model***. See https://rayfract.com/tutorials/1_1D.pdf Fig. 17 & Fig. 19.

As shown in Fig. 1 and in Fig. 2 our new Grid menu command ***Plot multiple WET runs on one page*** available with our 5.02 Pro version allows visualizing multiple runs in one Surfer plot. This multiscale plot enables easy comparison of multiple WET runs (61 WET iterations per run) and allows to visually determine how well the multiscale WET inversion is working with your current WET and WDVS settings. Observe the decreasing RMS error shown in red in each plot's caption, with increasing run number as shown in each plot's title. See also our 2025 expanded abstract available at https://rayfract.com/pub/geoconvention2025_abstract.pdf and our SR6_multirun_plot marine refraction sample.

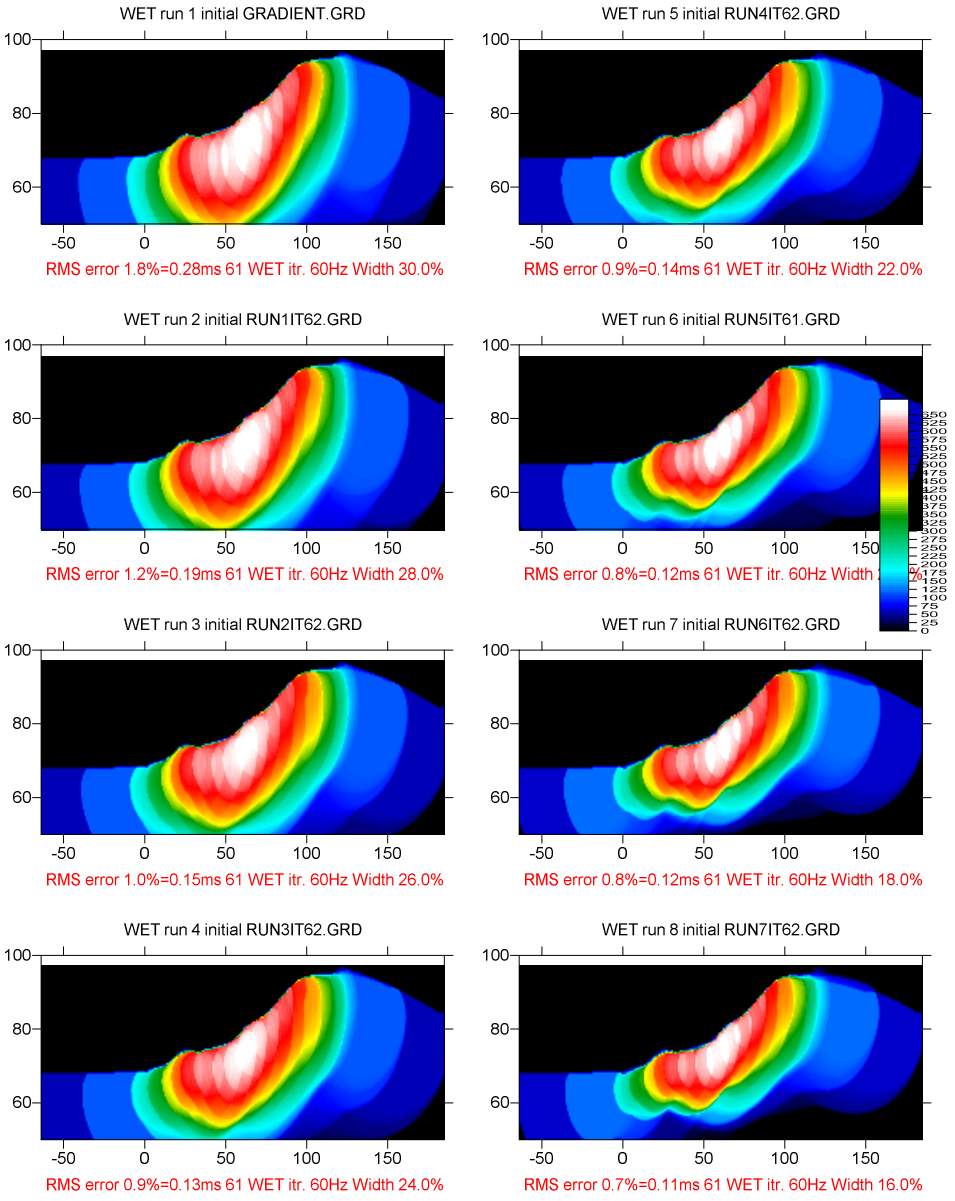

Fig. 2 : WET wavepath coverage plots obtained with Fig. 1. Unit is wavepaths per grid cell.