LA-UR-21-22774
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Title: Near surface data inverson: An example

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Intended for: Public release

Issued: 2021-03-22

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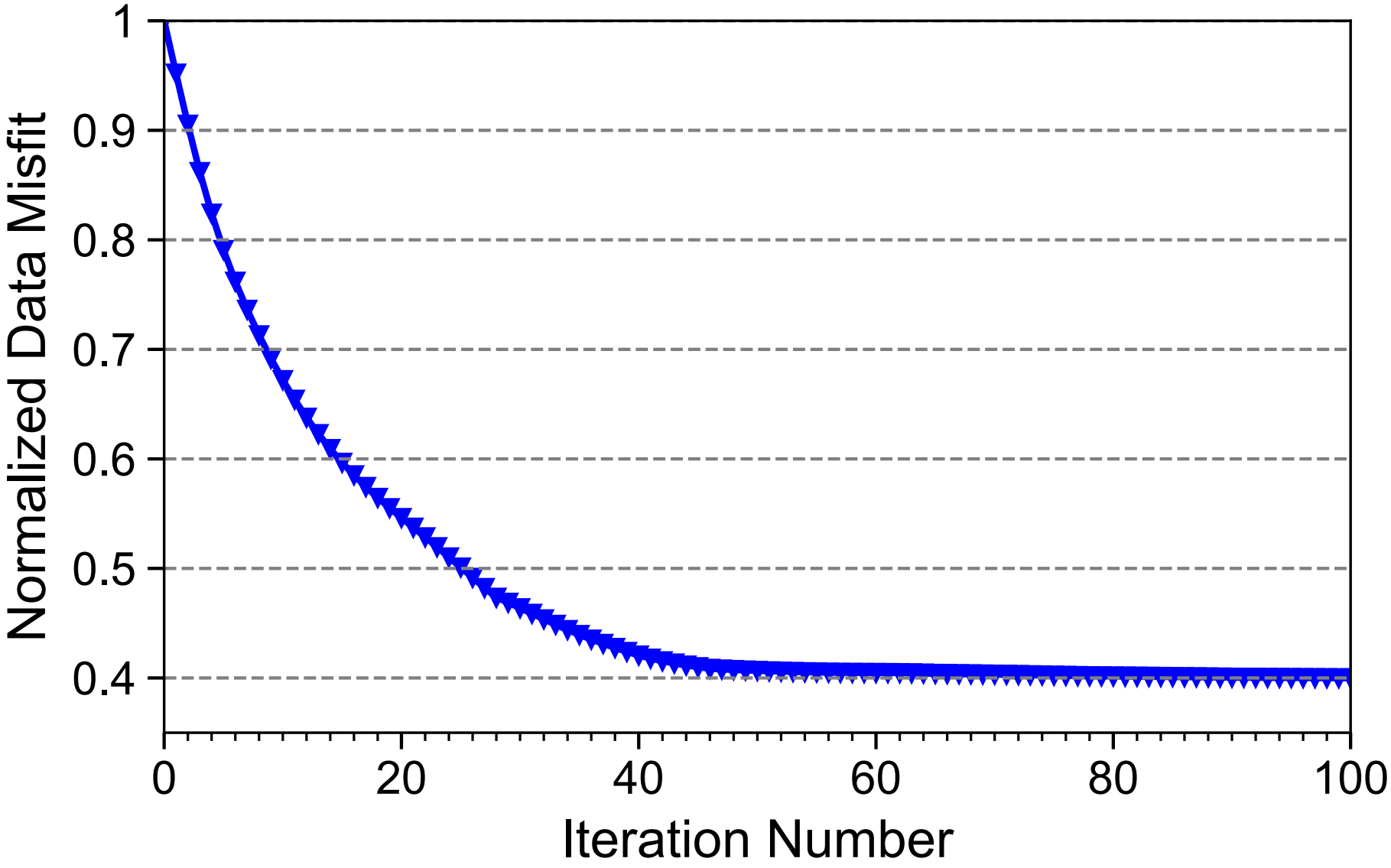


Figure 1: misfit_acoustic_fwi; Misfit function: zero-lag cross-correlation (Zhang, Duan, and Xie, 2015, Geophysics)

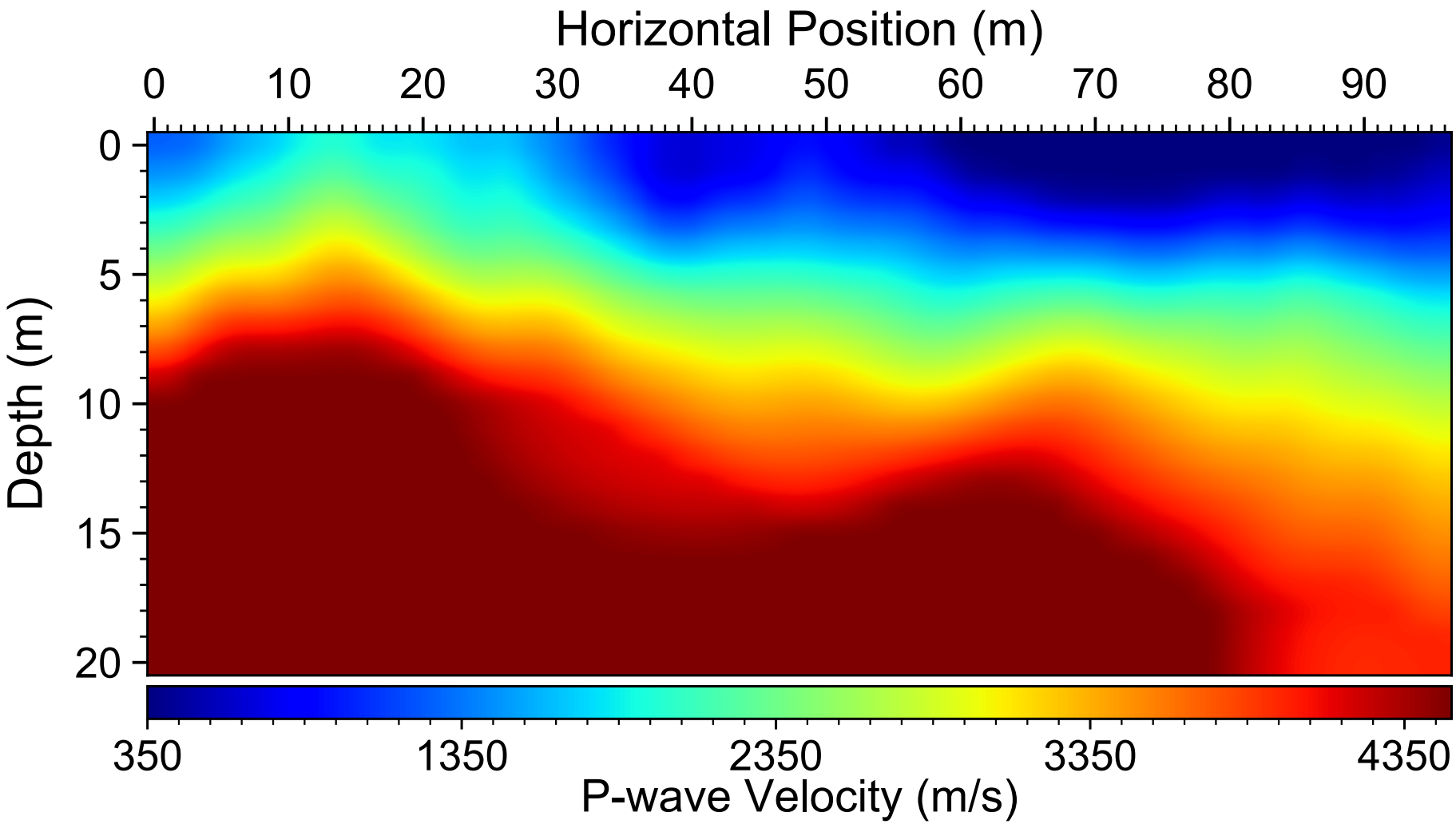


Figure 2: vp_fwi_acoustic_early

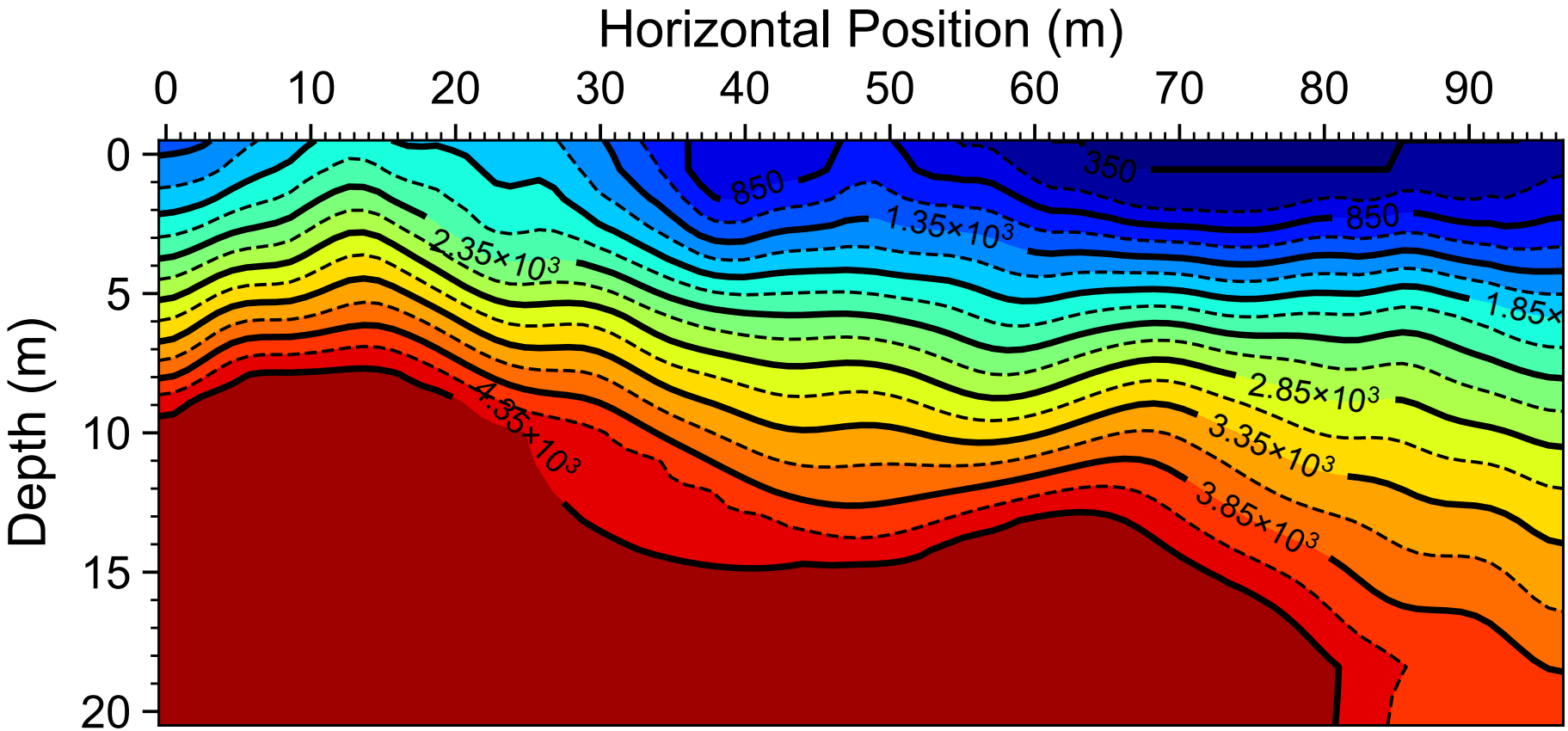


Figure 3: vp_fwi_acoustic_early_contour

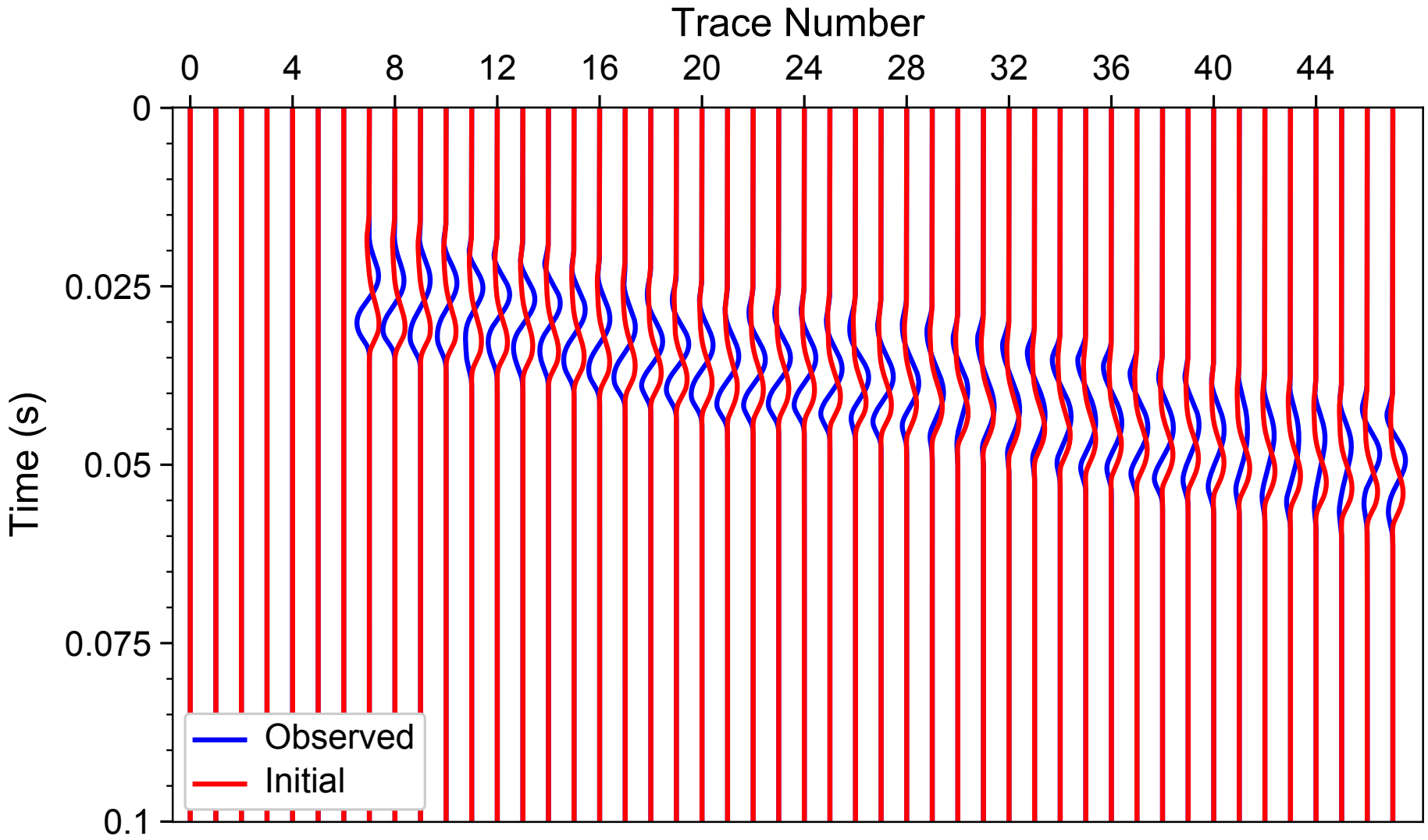


Figure 4: waveform_early_init_1

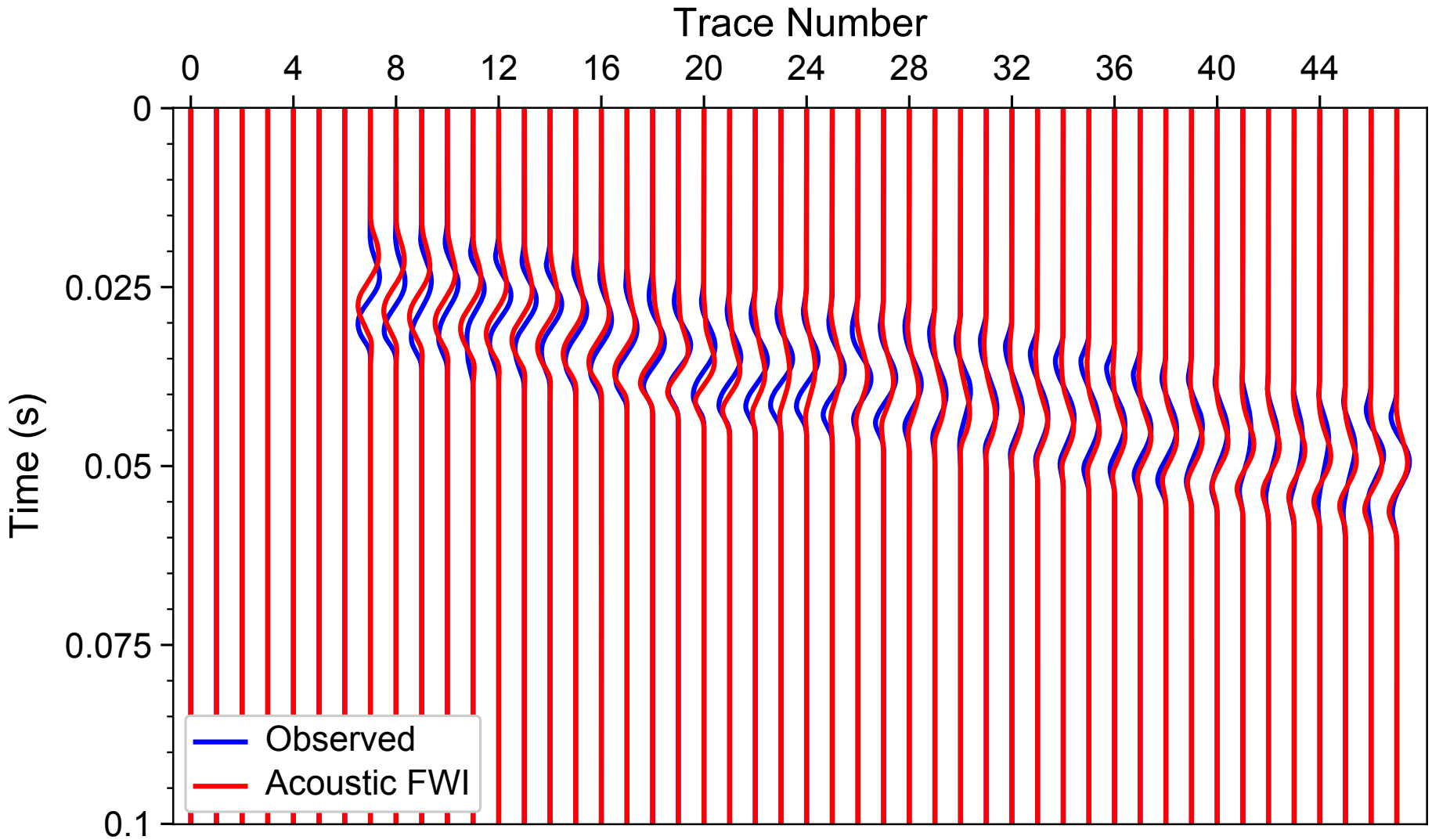


Figure 5: waveform_early_final_1

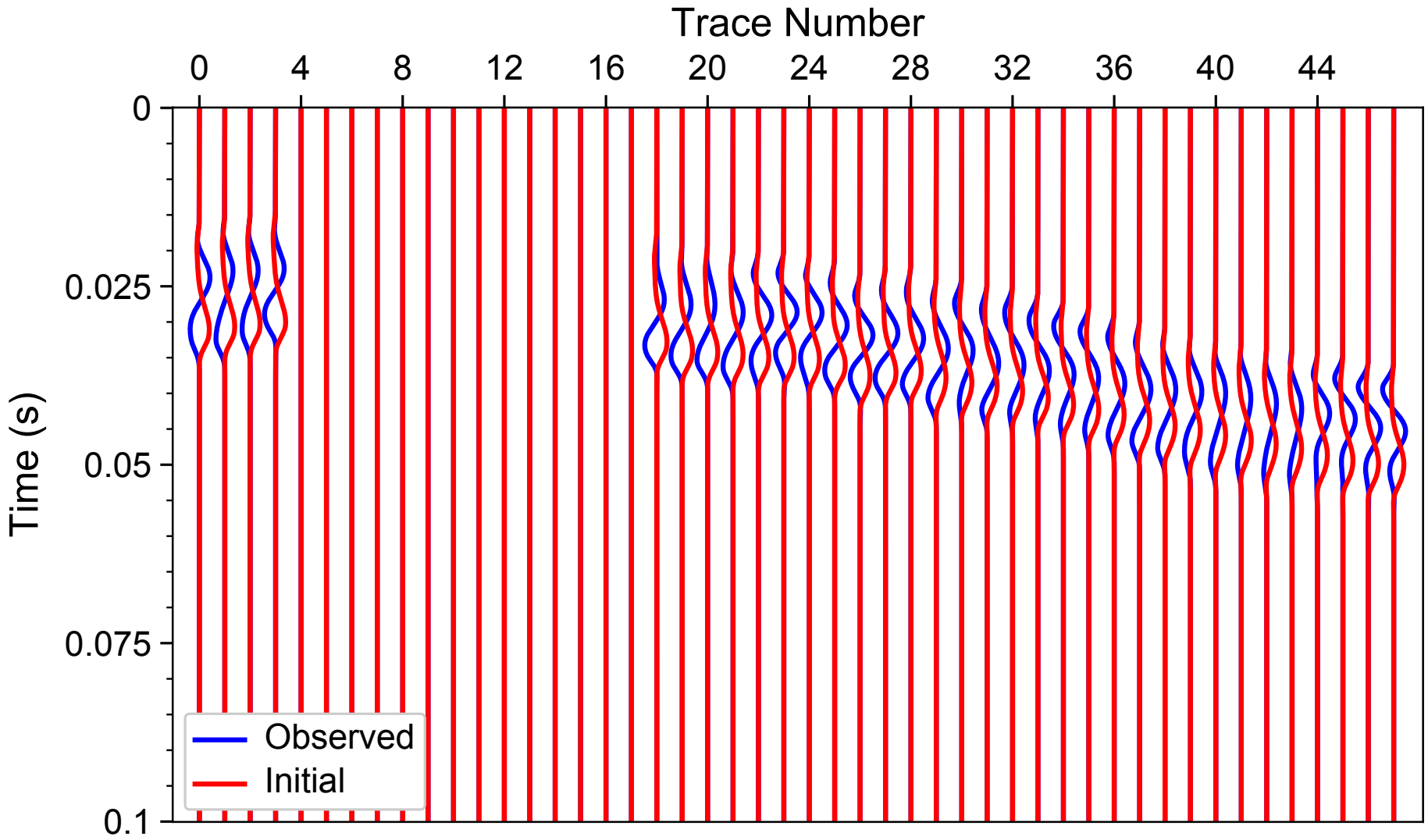
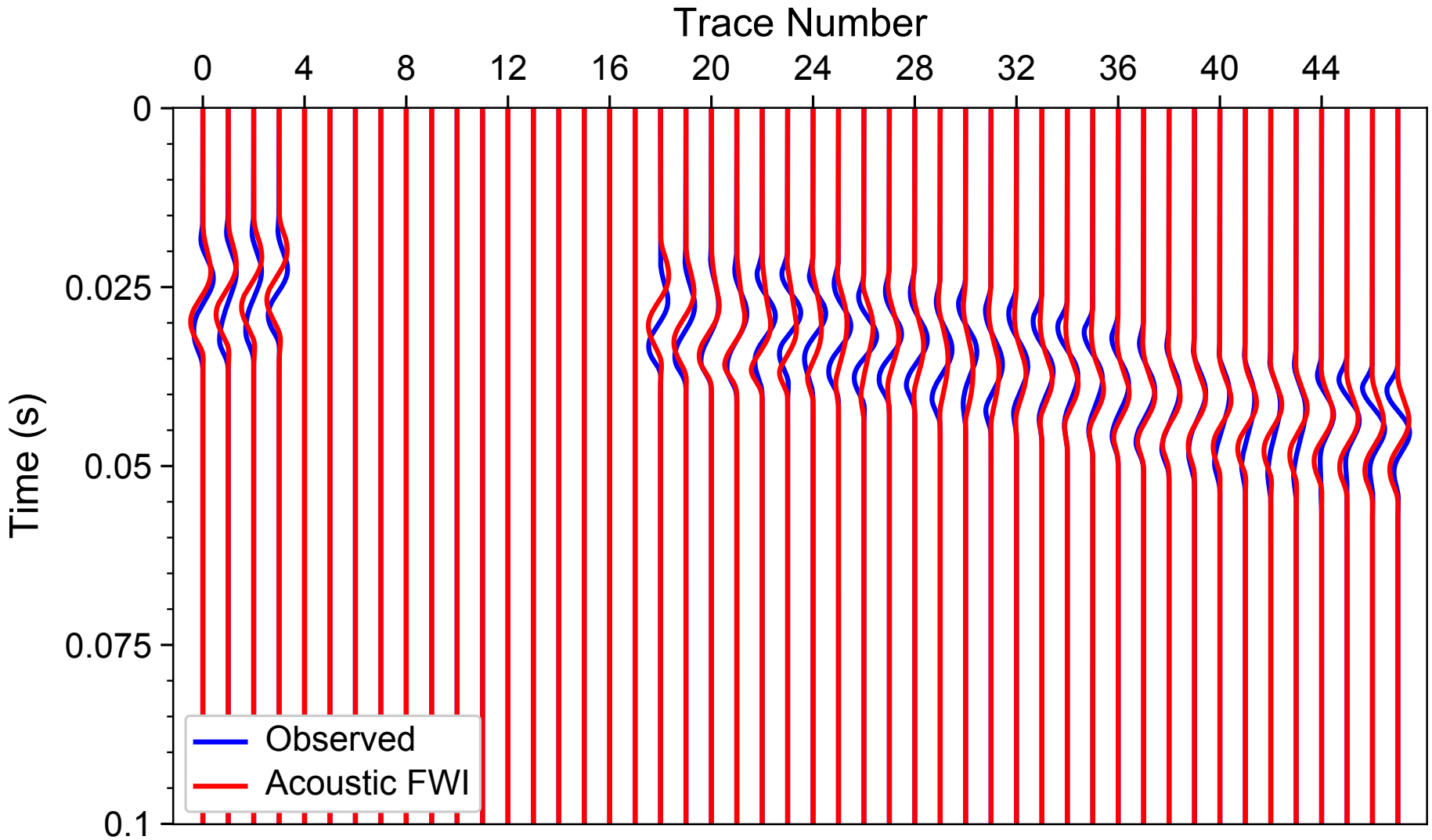


Figure 6: waveform_early_init_12



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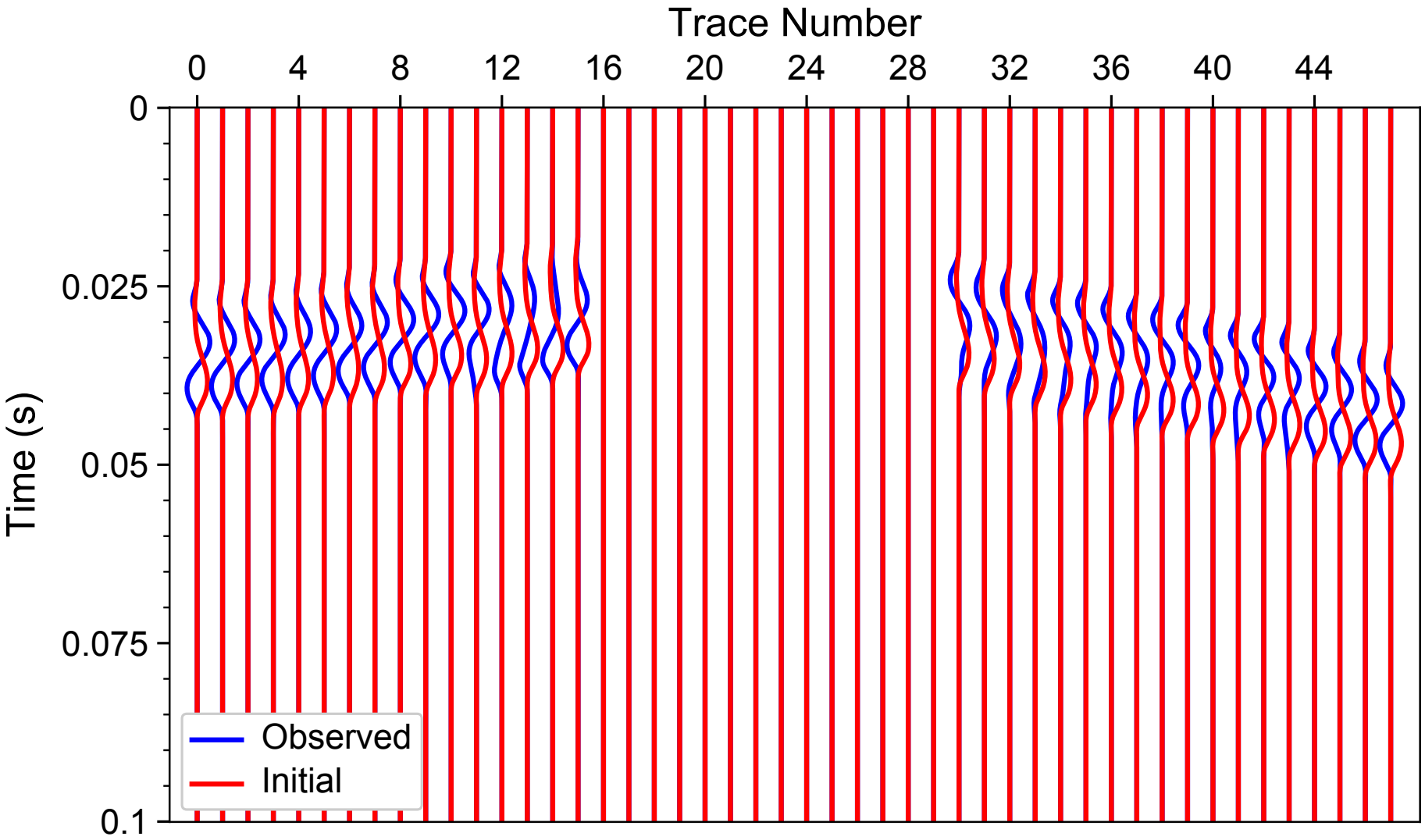
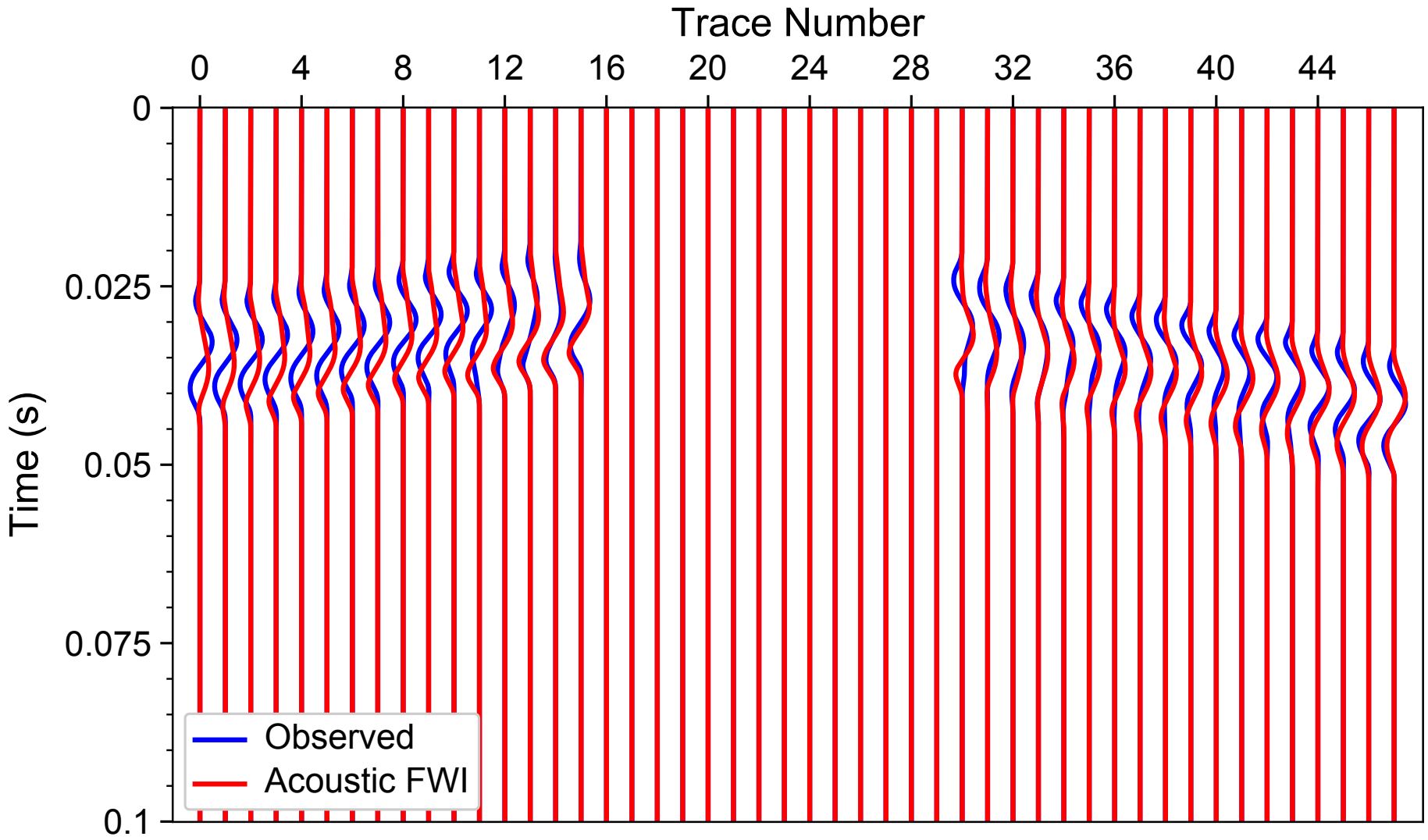


Figure 8: waveform_early_init_24



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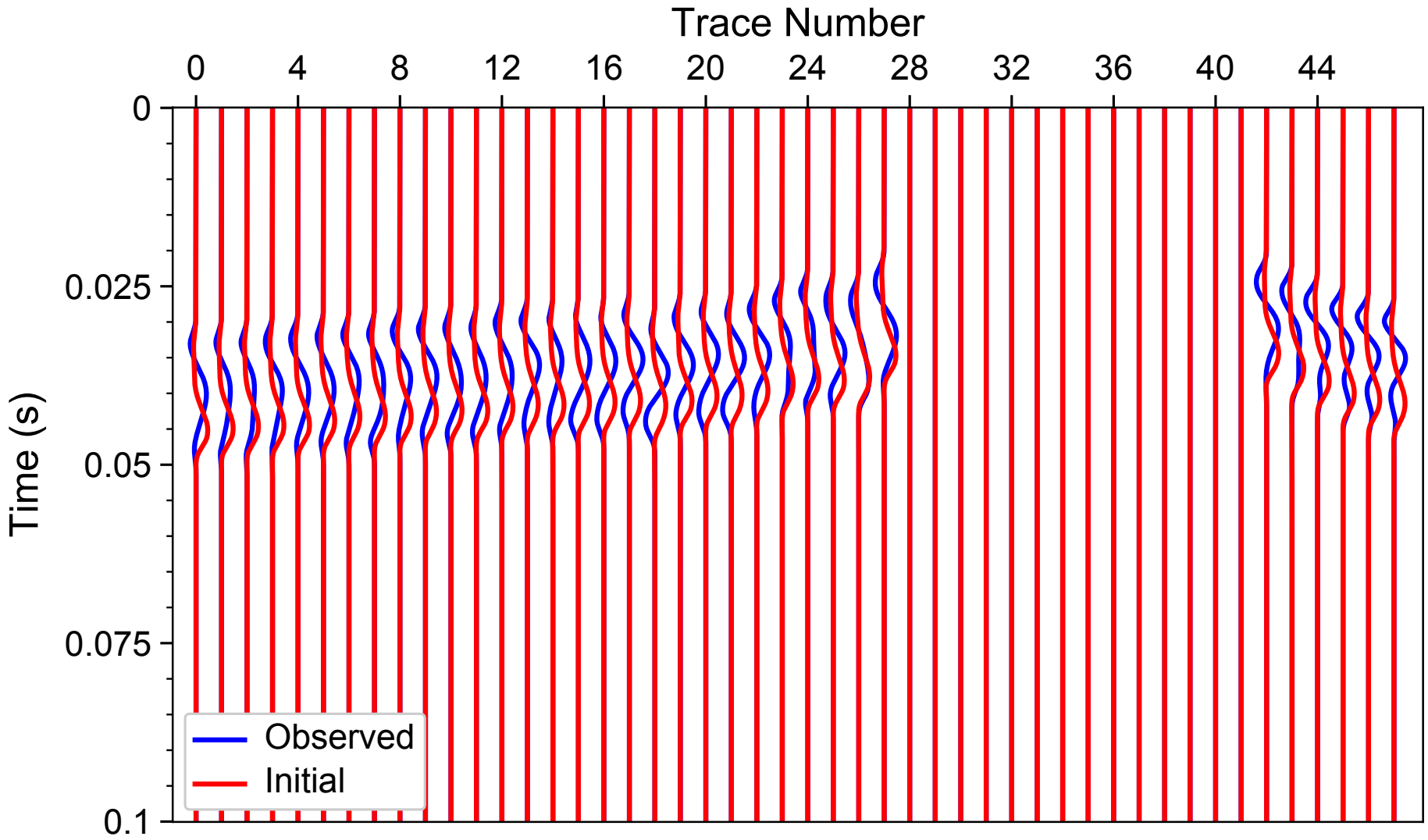
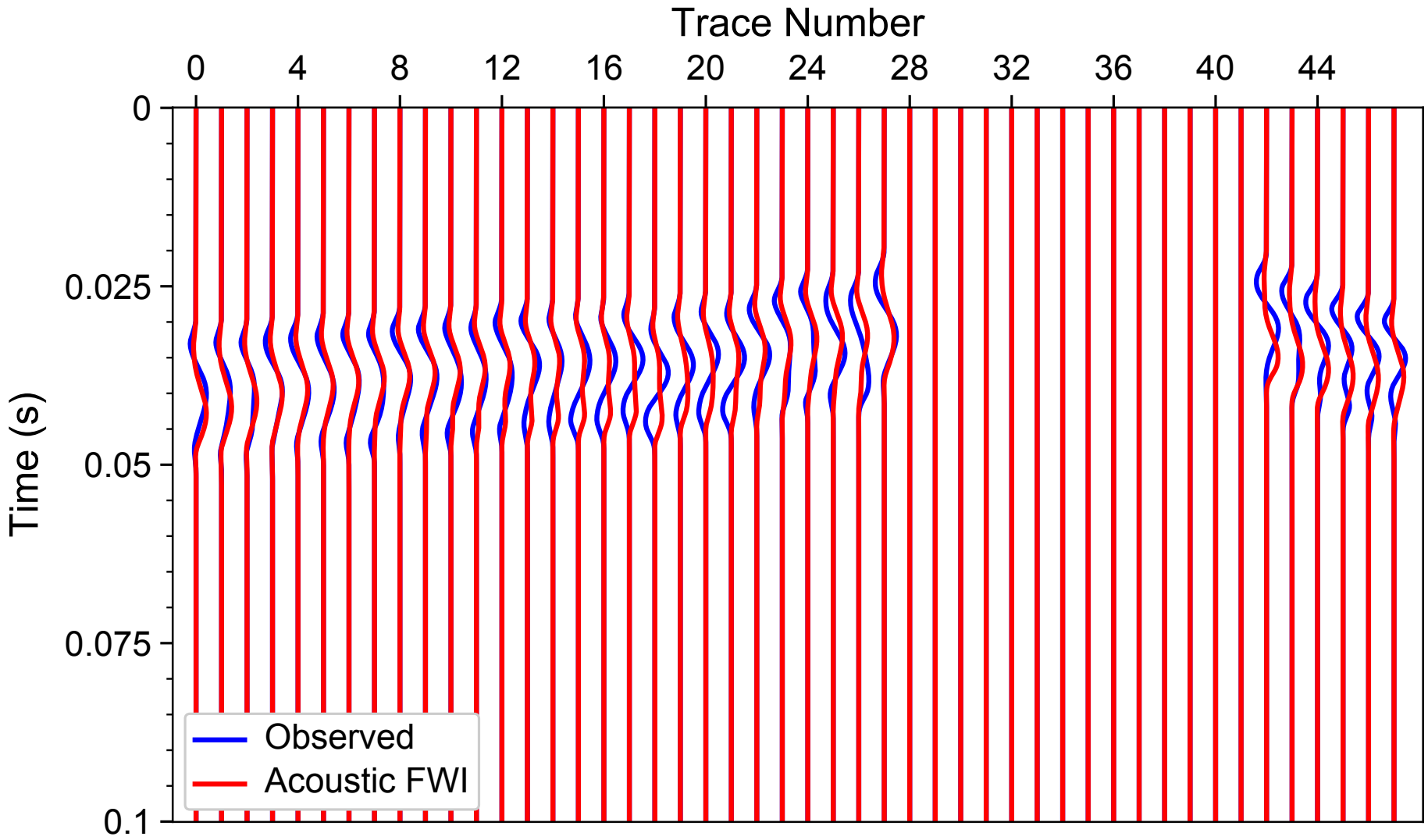


Figure 10: waveform_early_init_36



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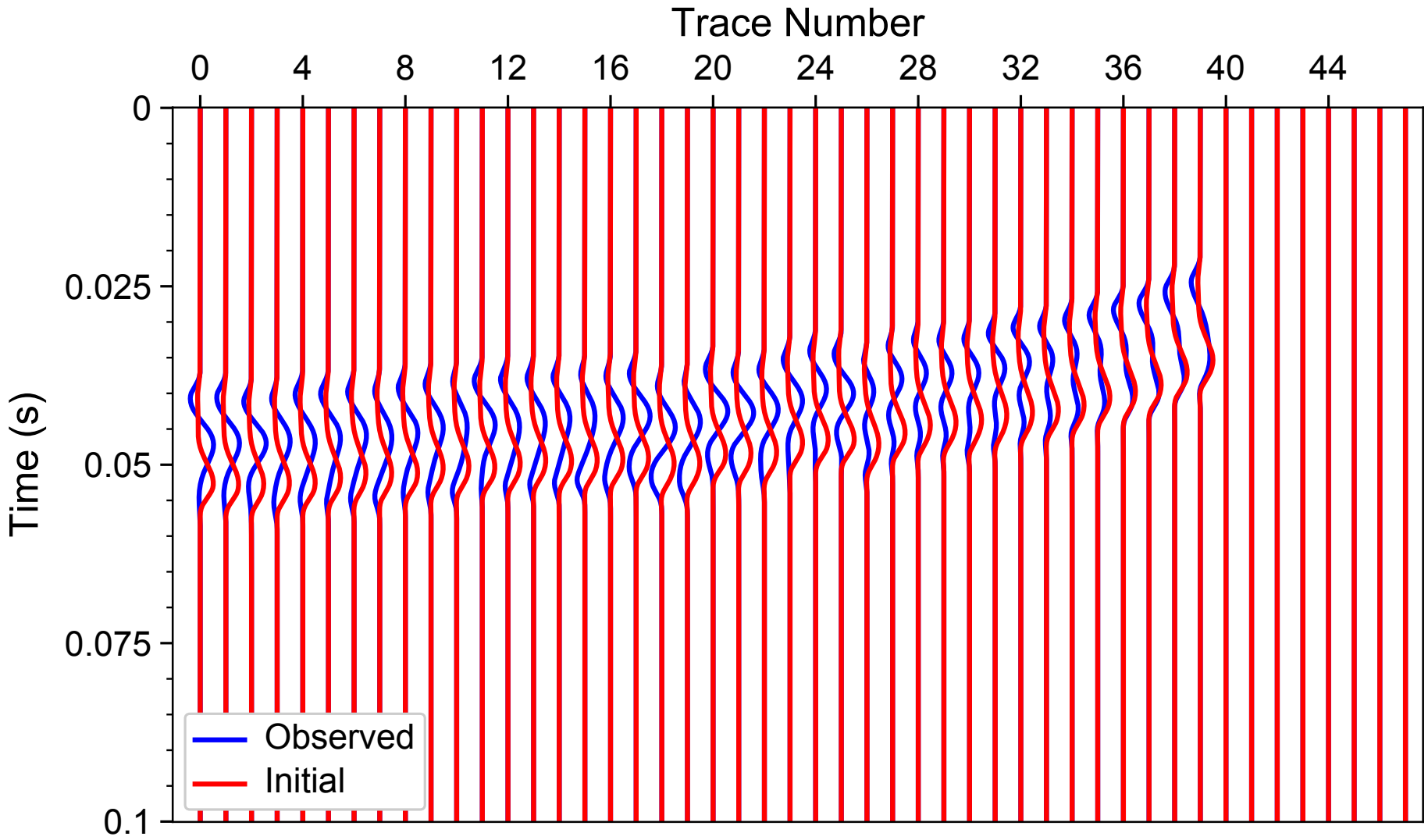
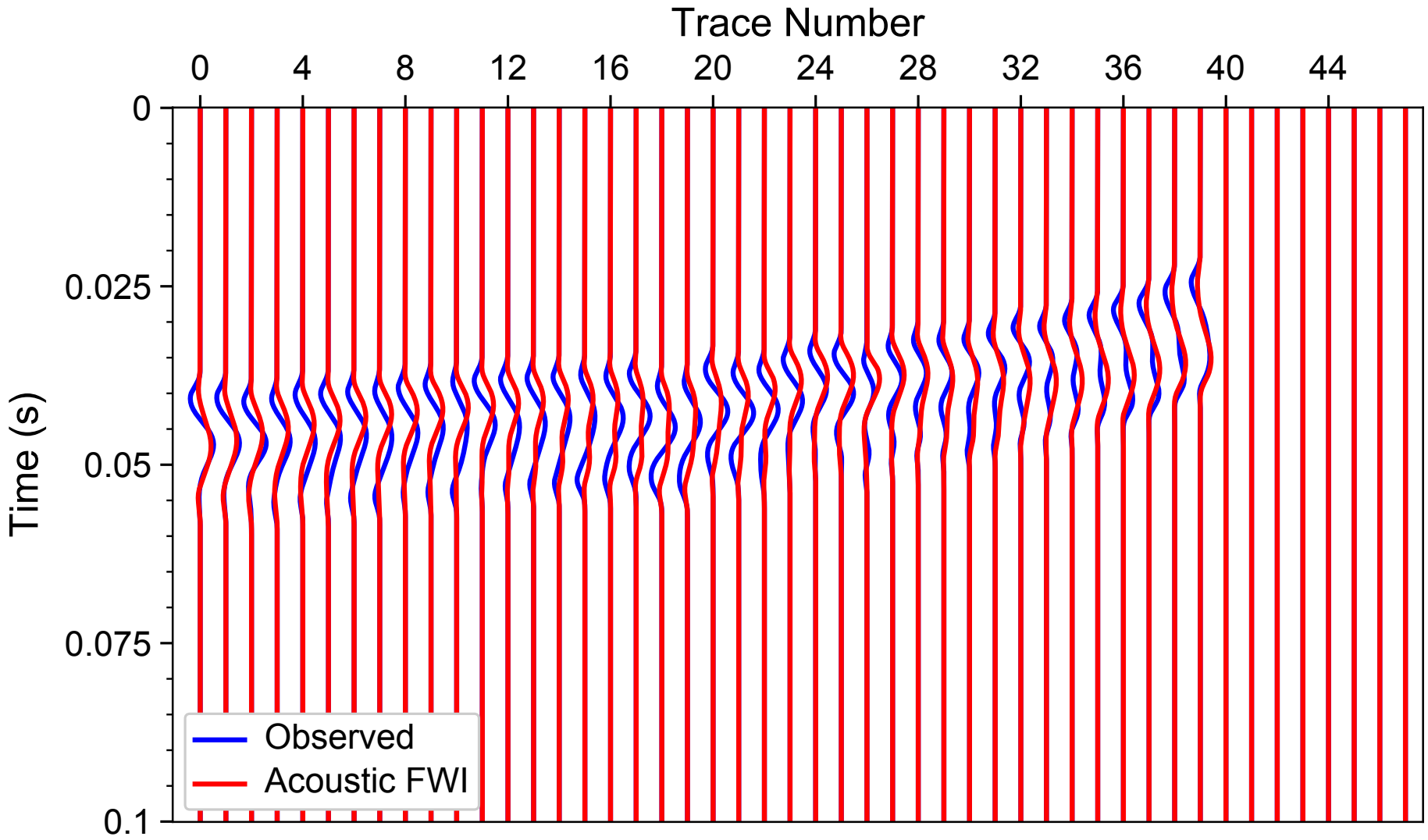


Figure 12: waveform_early_init_48



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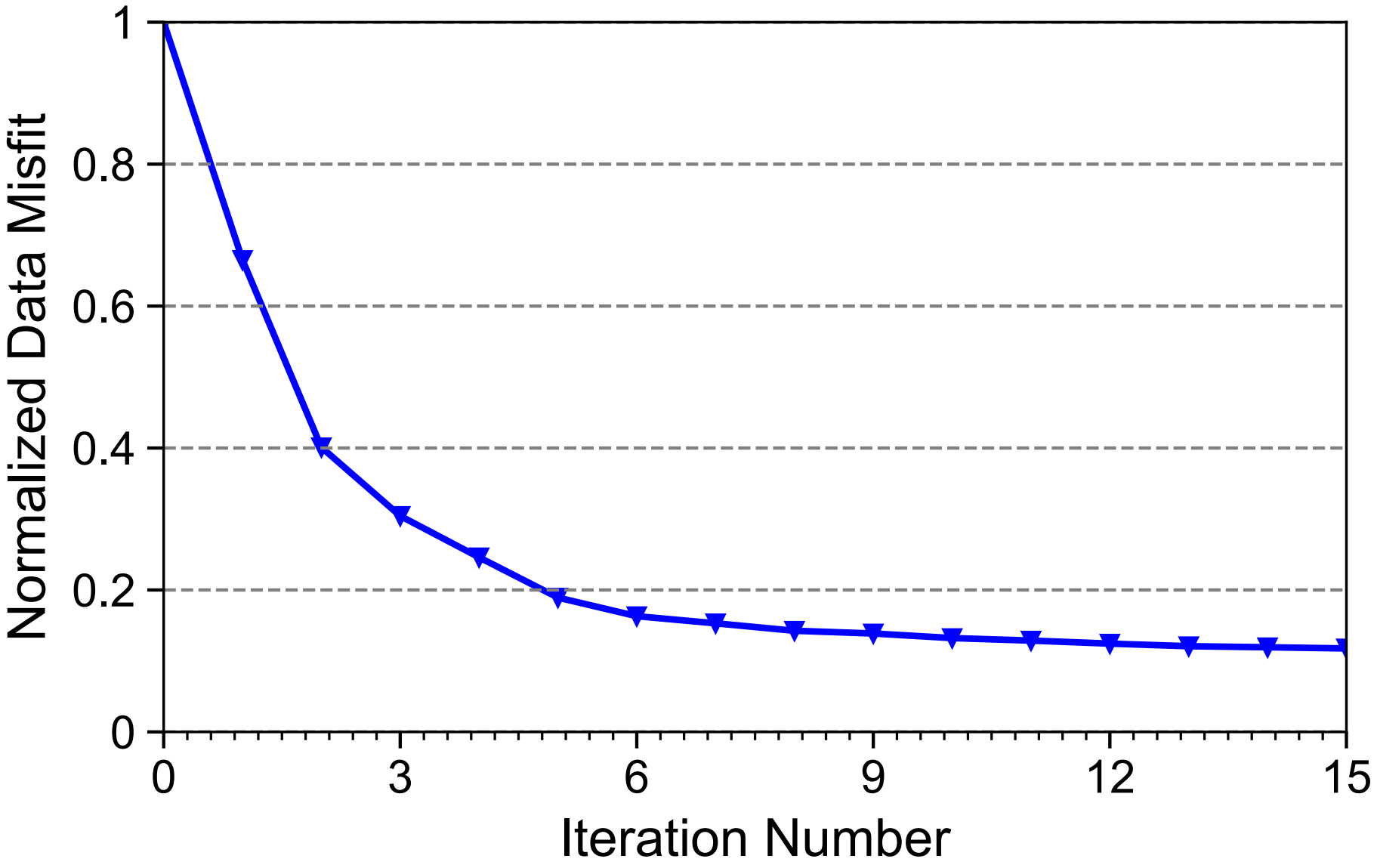


Figure 14: misfit_elastic_fwi; Misfit function: Adaptive waveform inversion (Warner and Guasch, 2016, Geophysics)

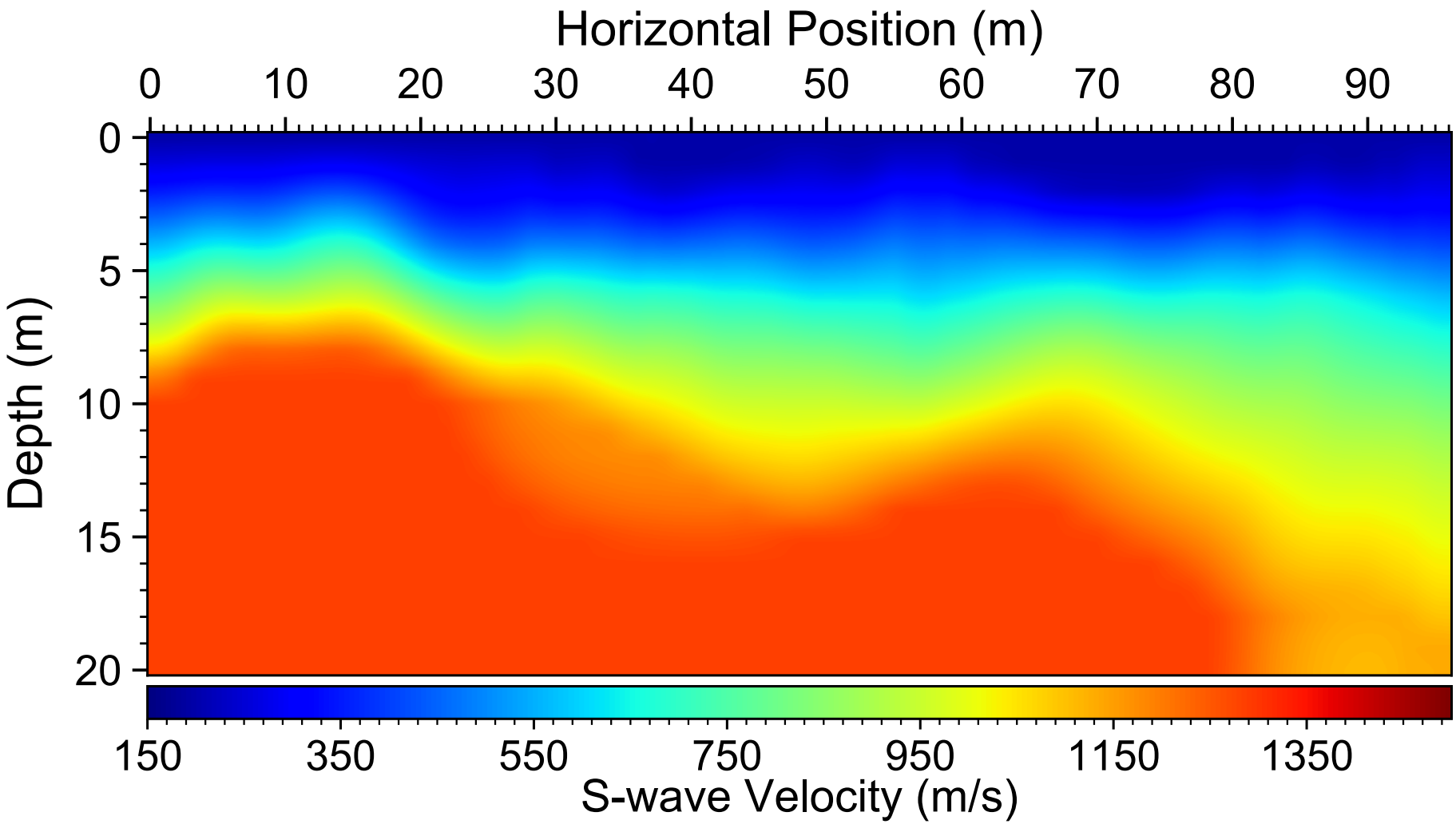
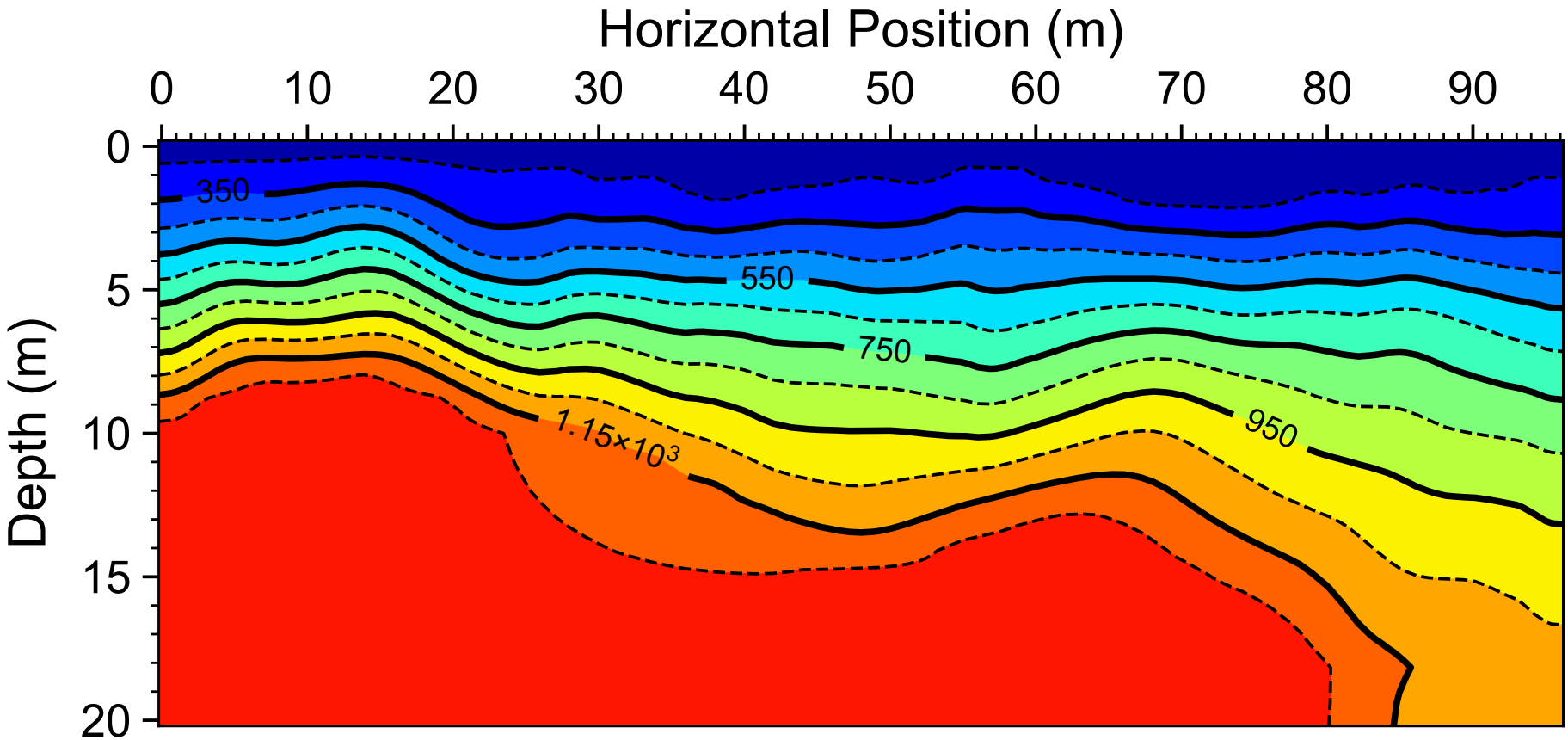


Figure 15: vs_init



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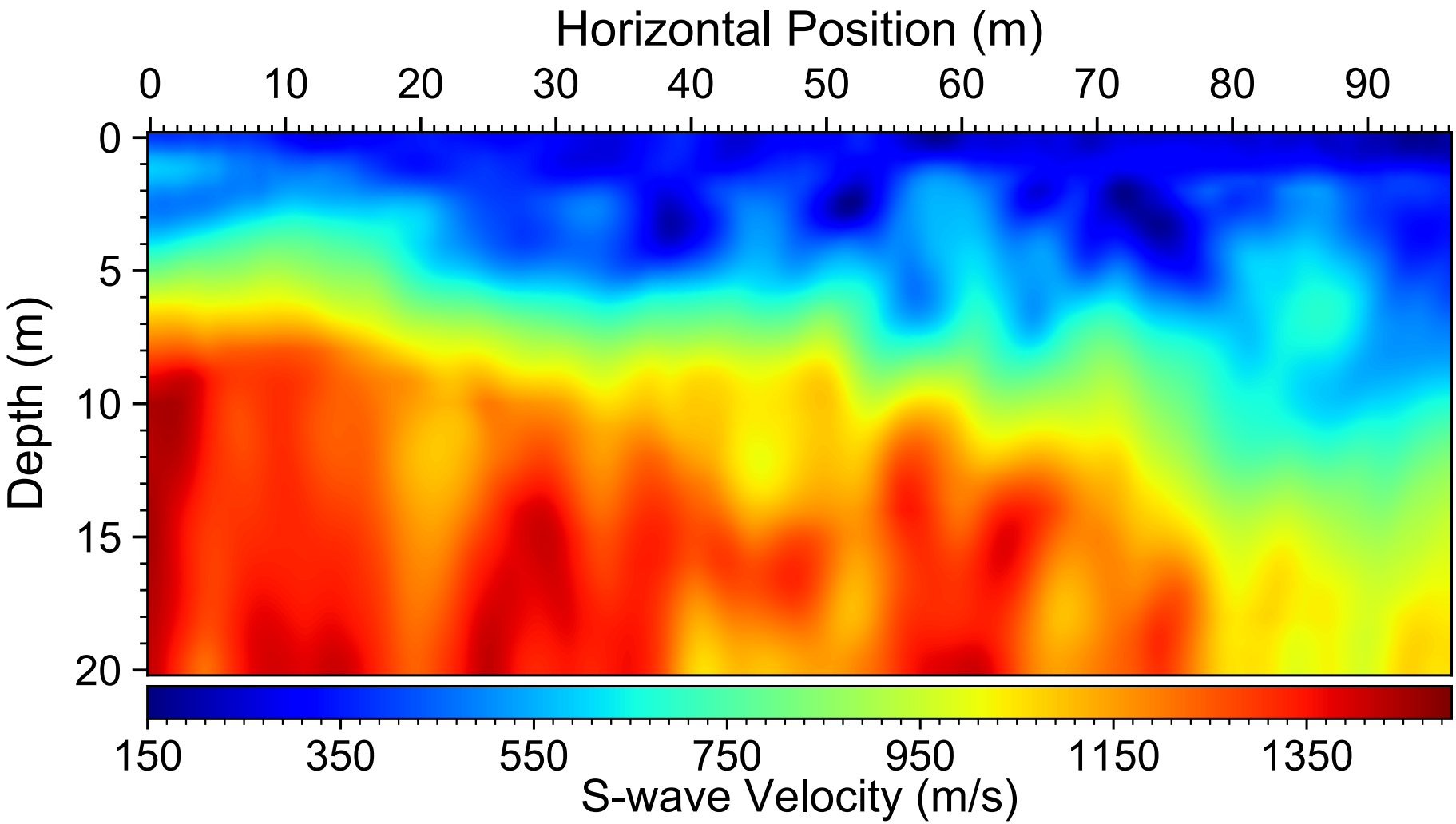


Figure 17: vs_fwi_elastic_surf

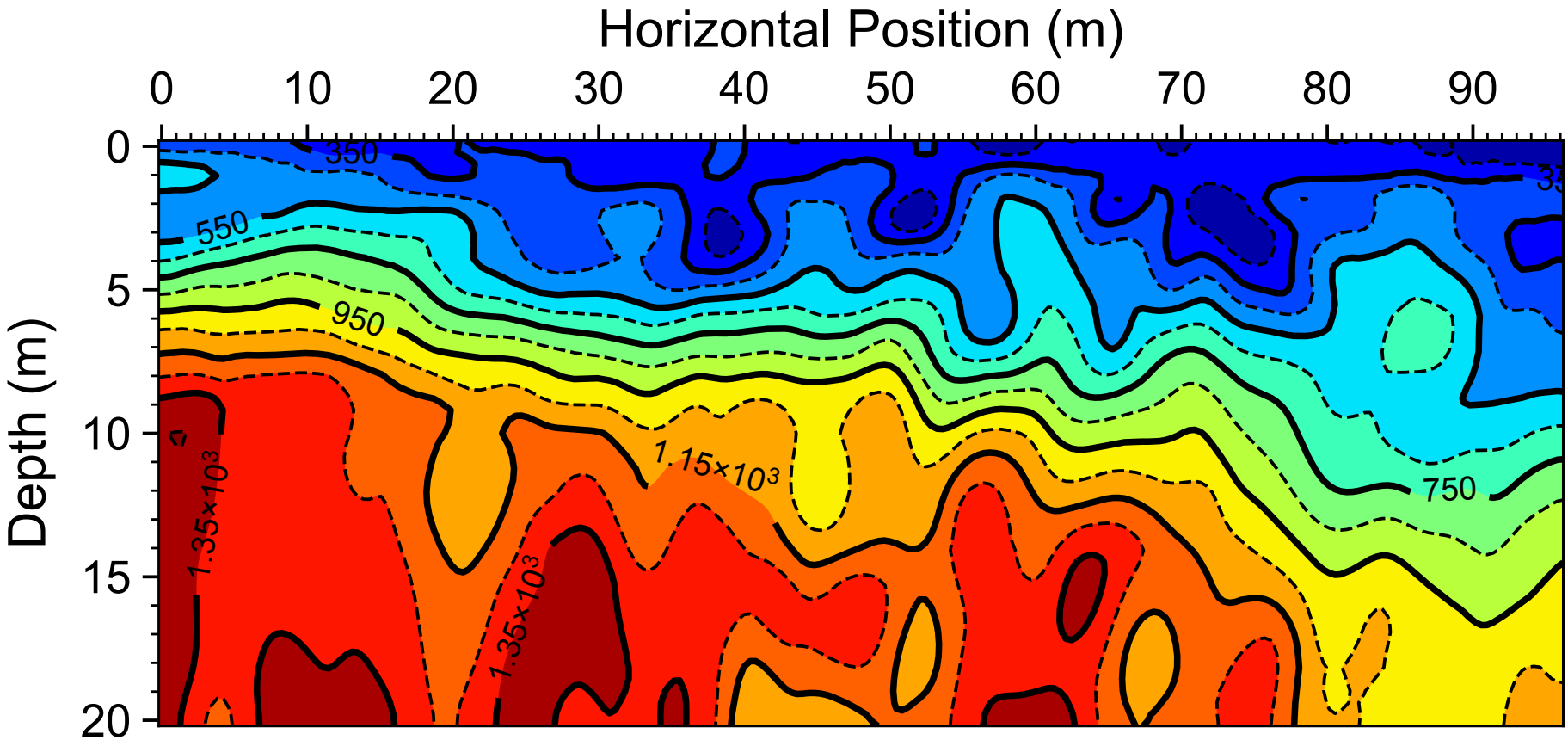


Figure 18: vs_fwi_elastic_surf_contour

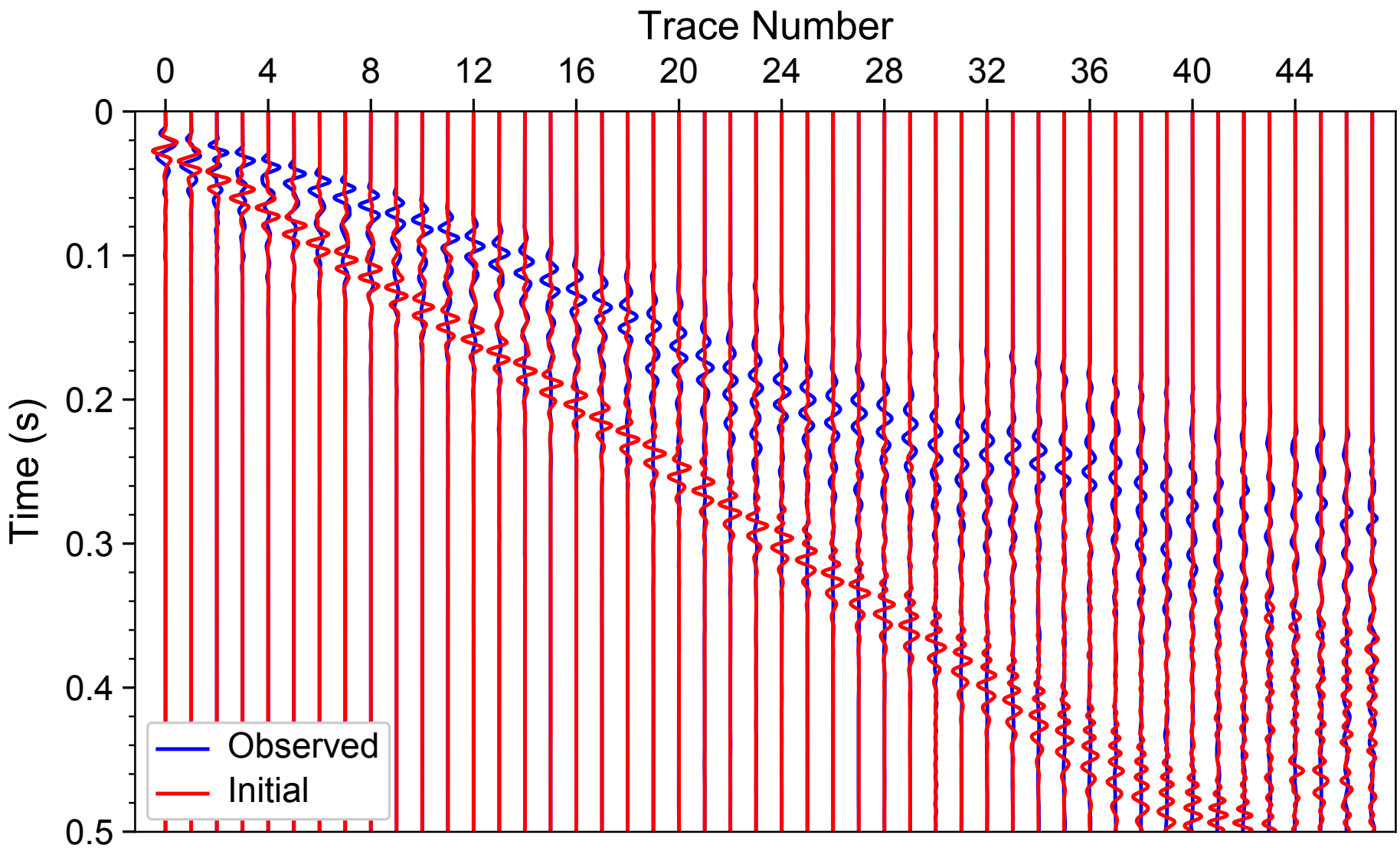


Figure 19: waveform_surf_init_1

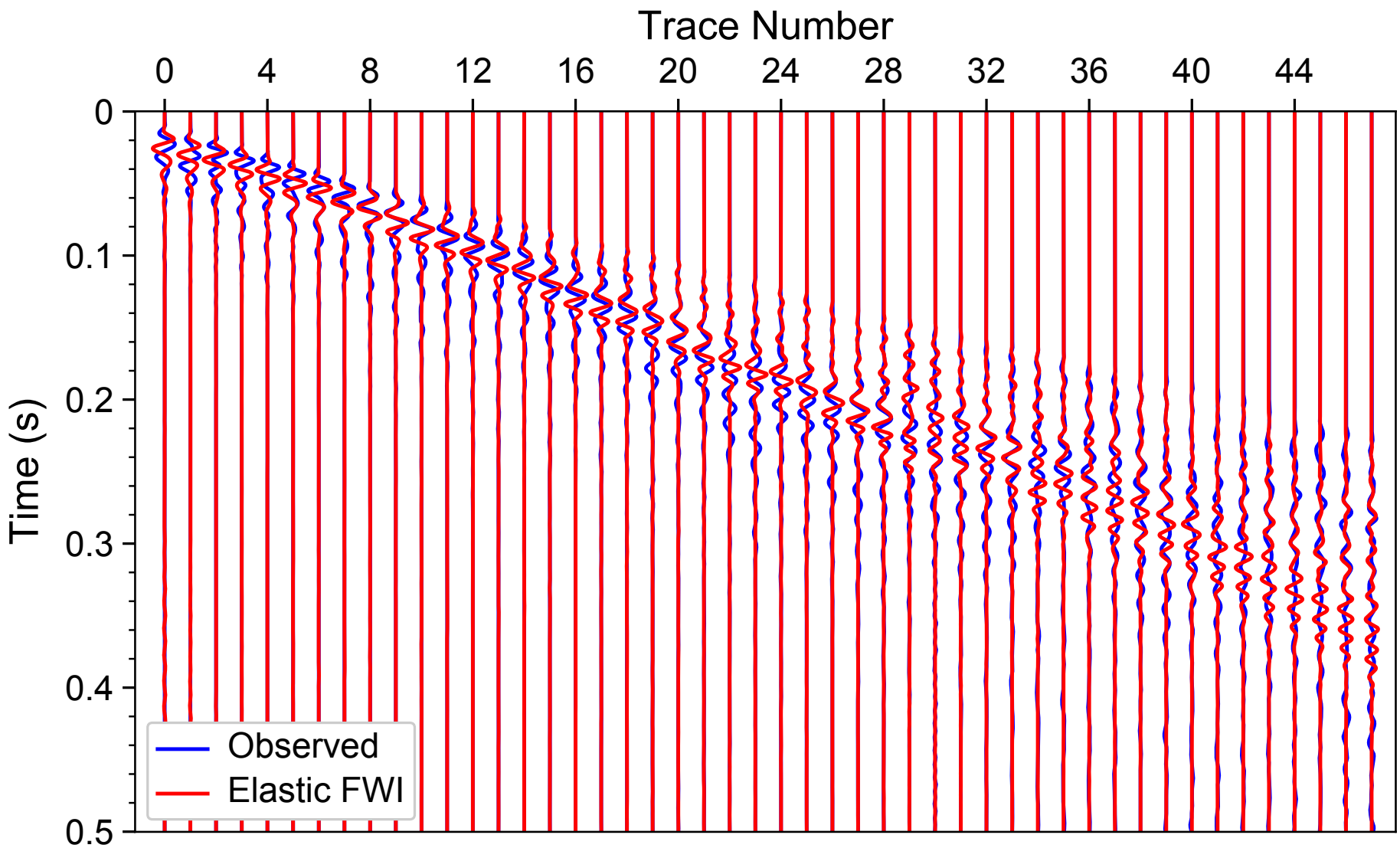


Figure 20: waveform_surf_final_1

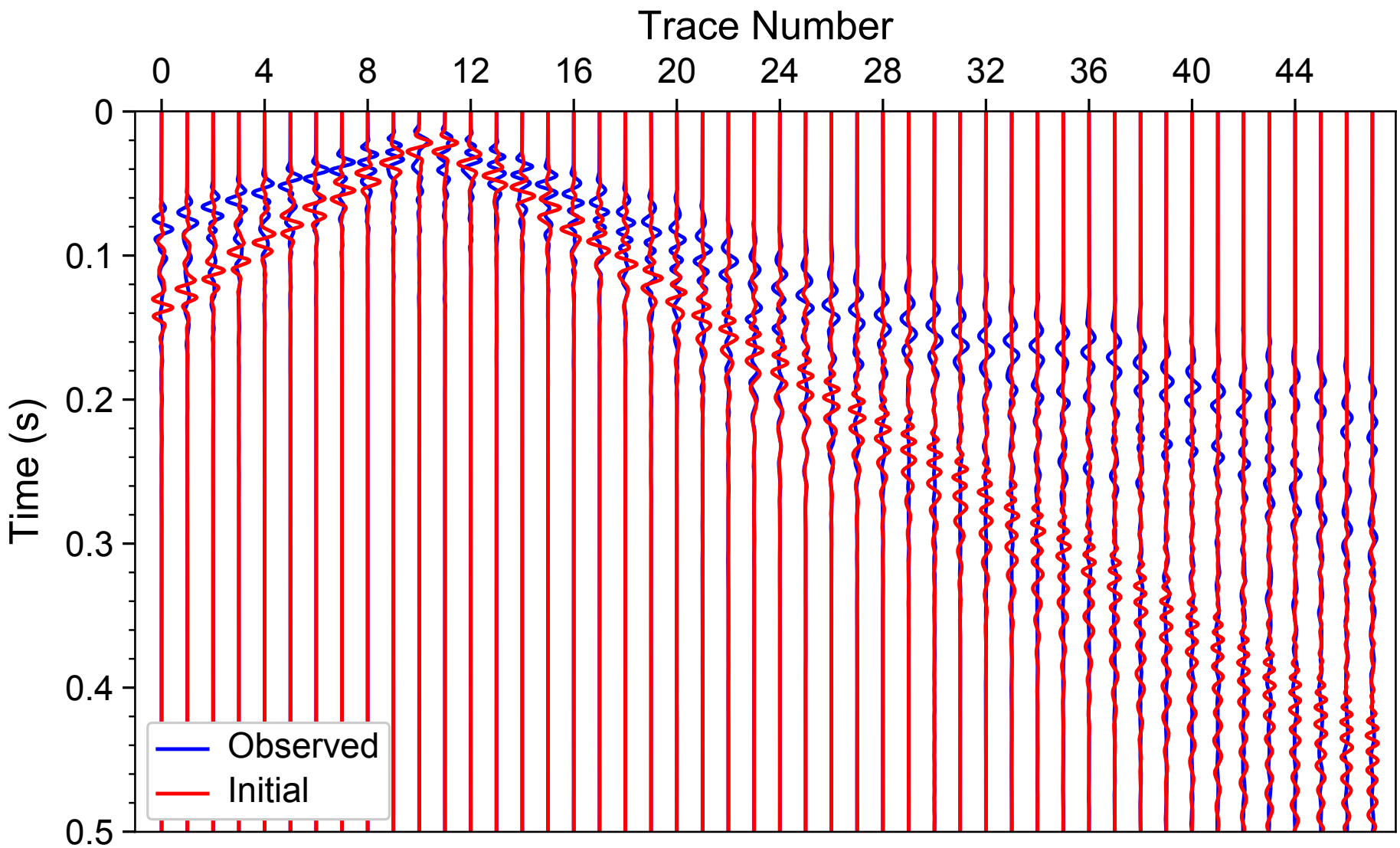


Figure 21: waveform_surf_init_12

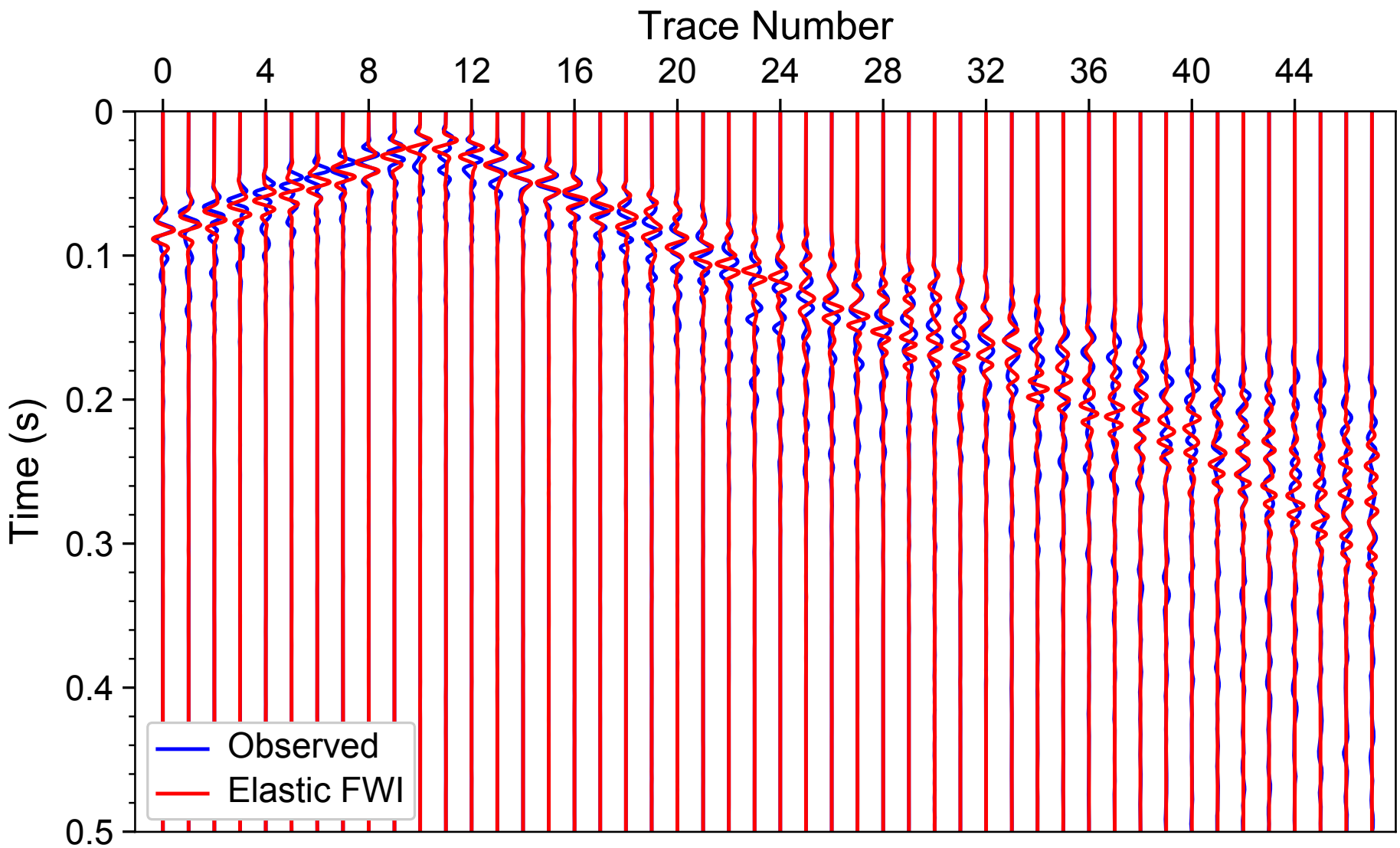
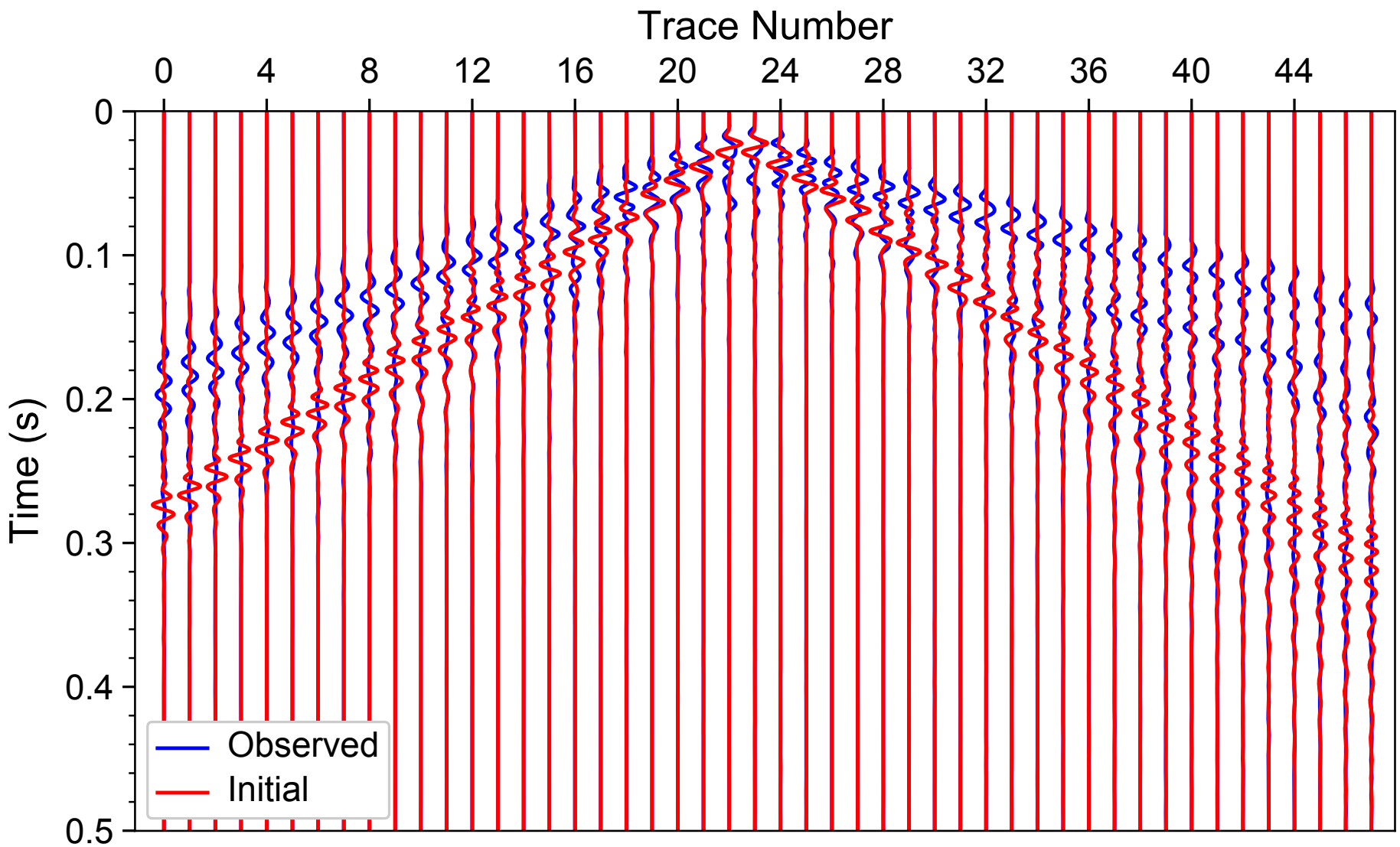


Figure 22: waveform_surf_final_12



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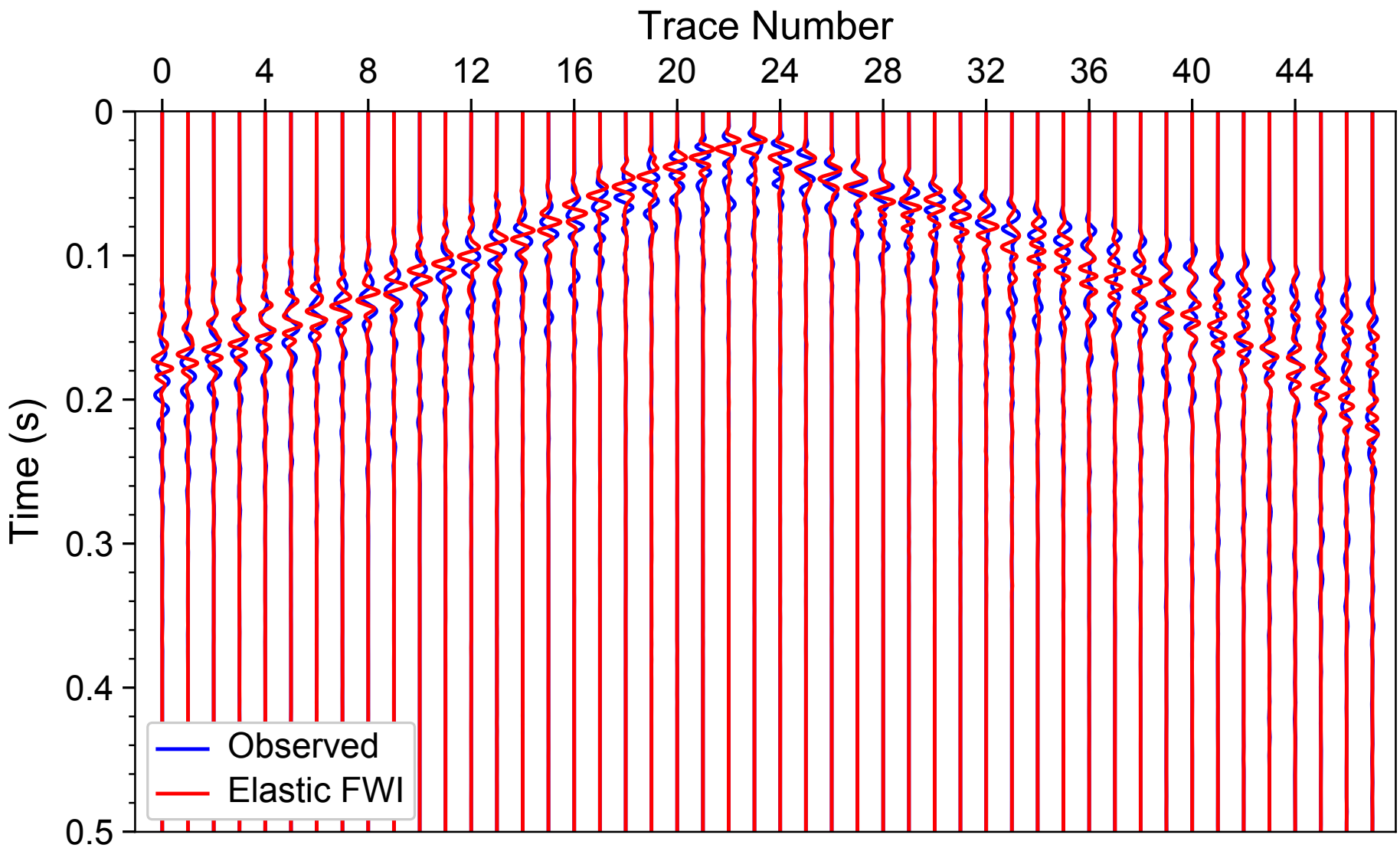

Figure 24: waveform_surf_final_24

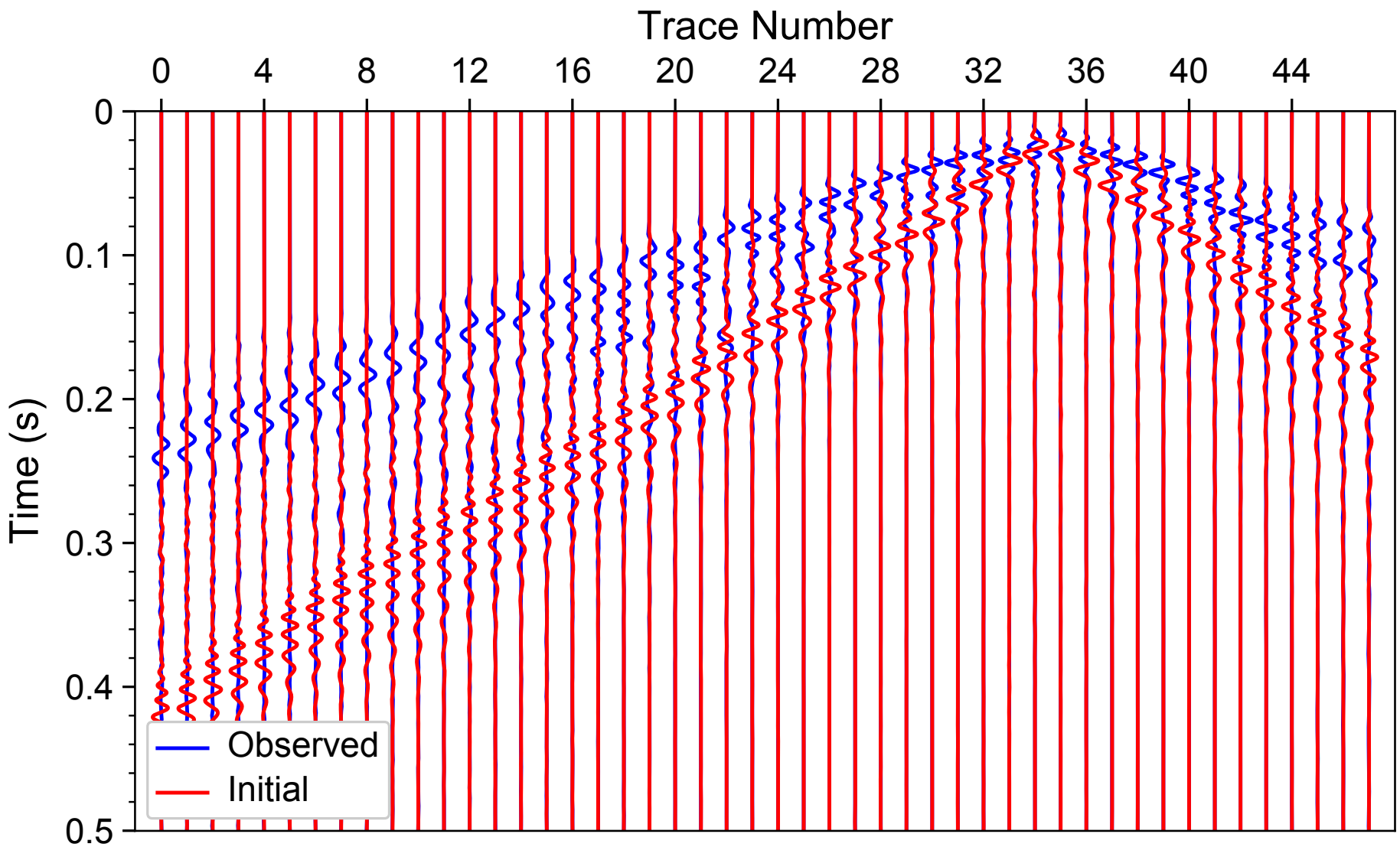

Figure 25: waveform_surf_init_36

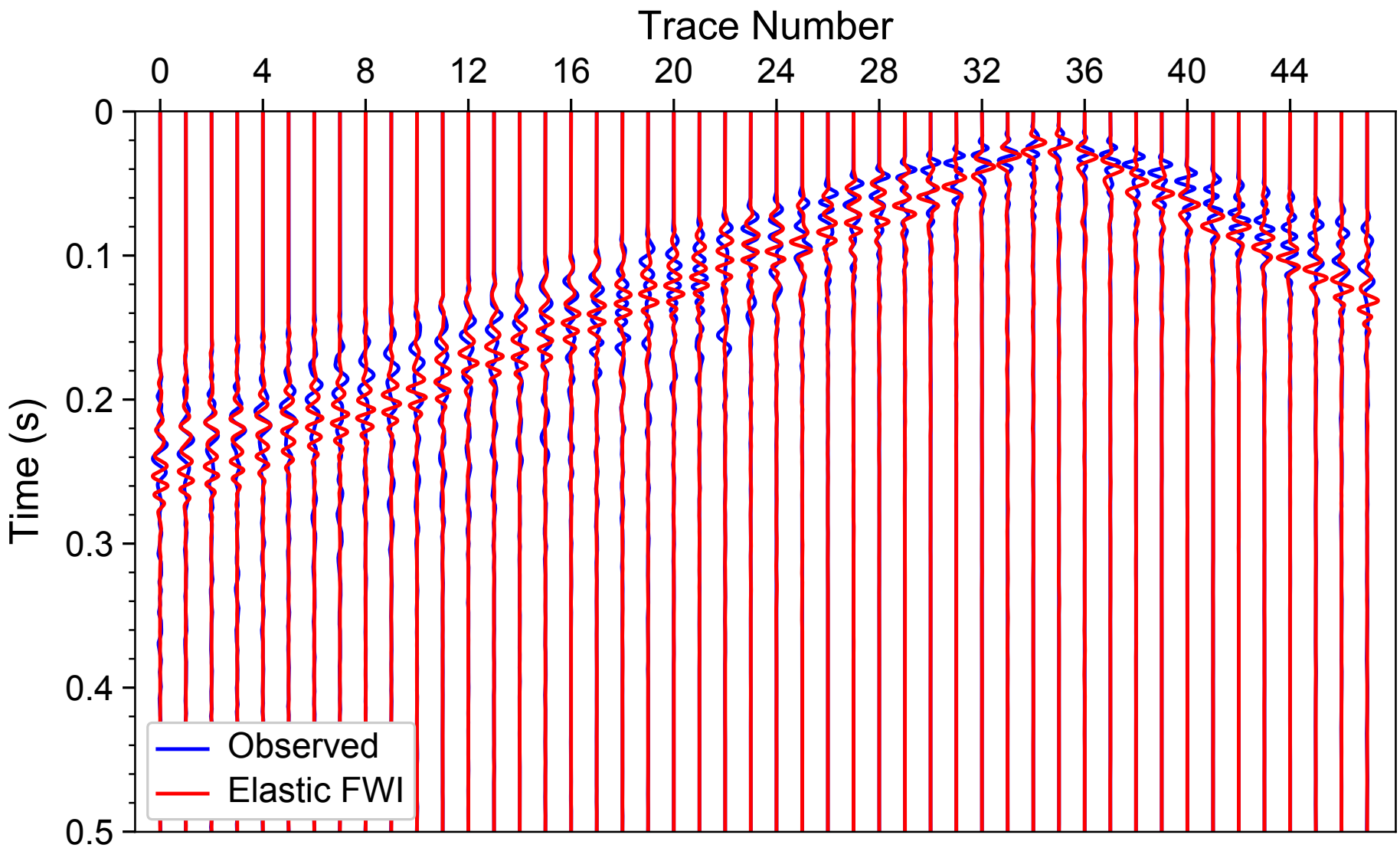

Figure 26: waveform_surf_final_36

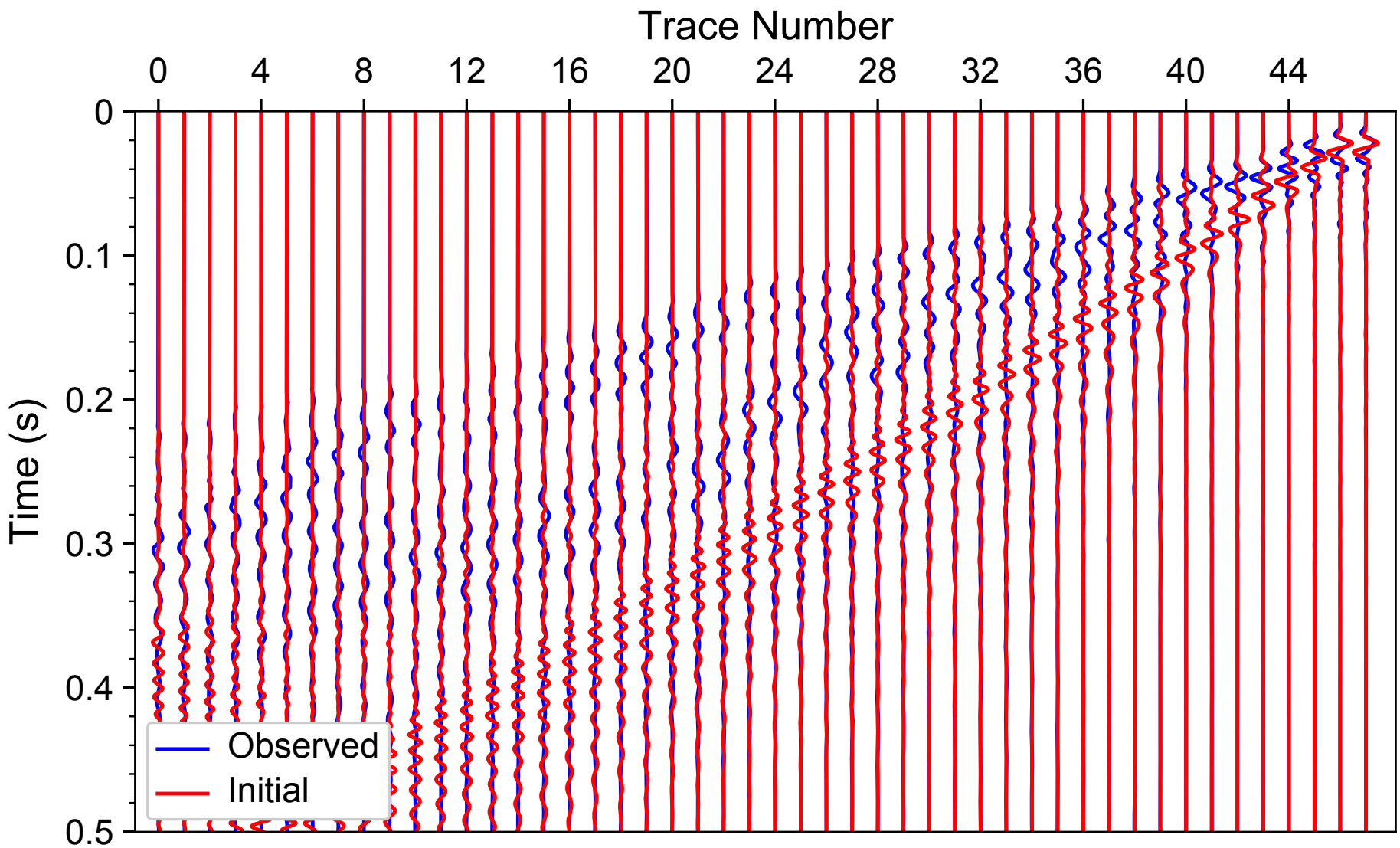

Figure 27: waveform_surf_init_48

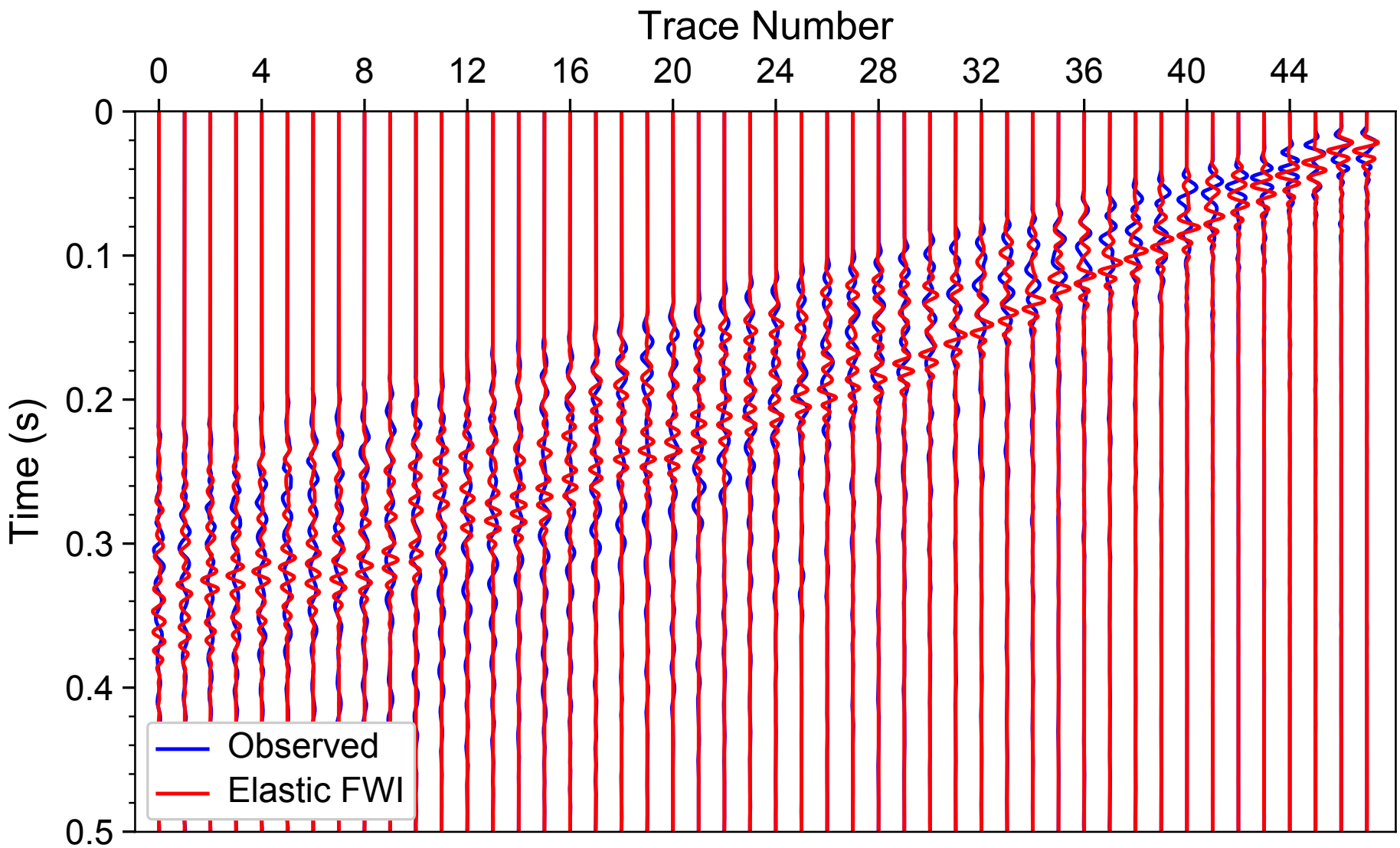

Figure 28: waveform_surf_final_48