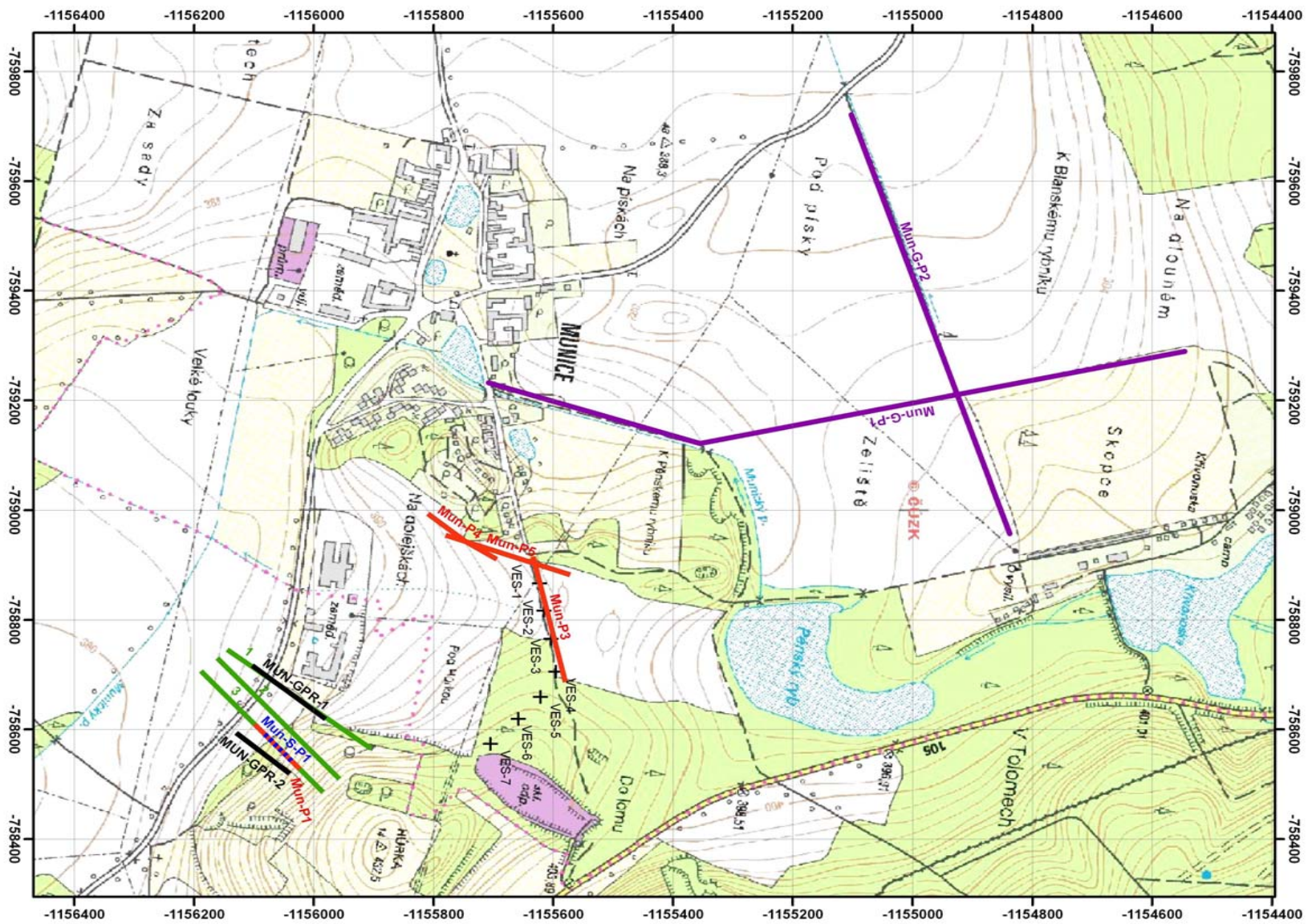


Appendix 4.2-1
Geophysical survey measurements

Locality Munice



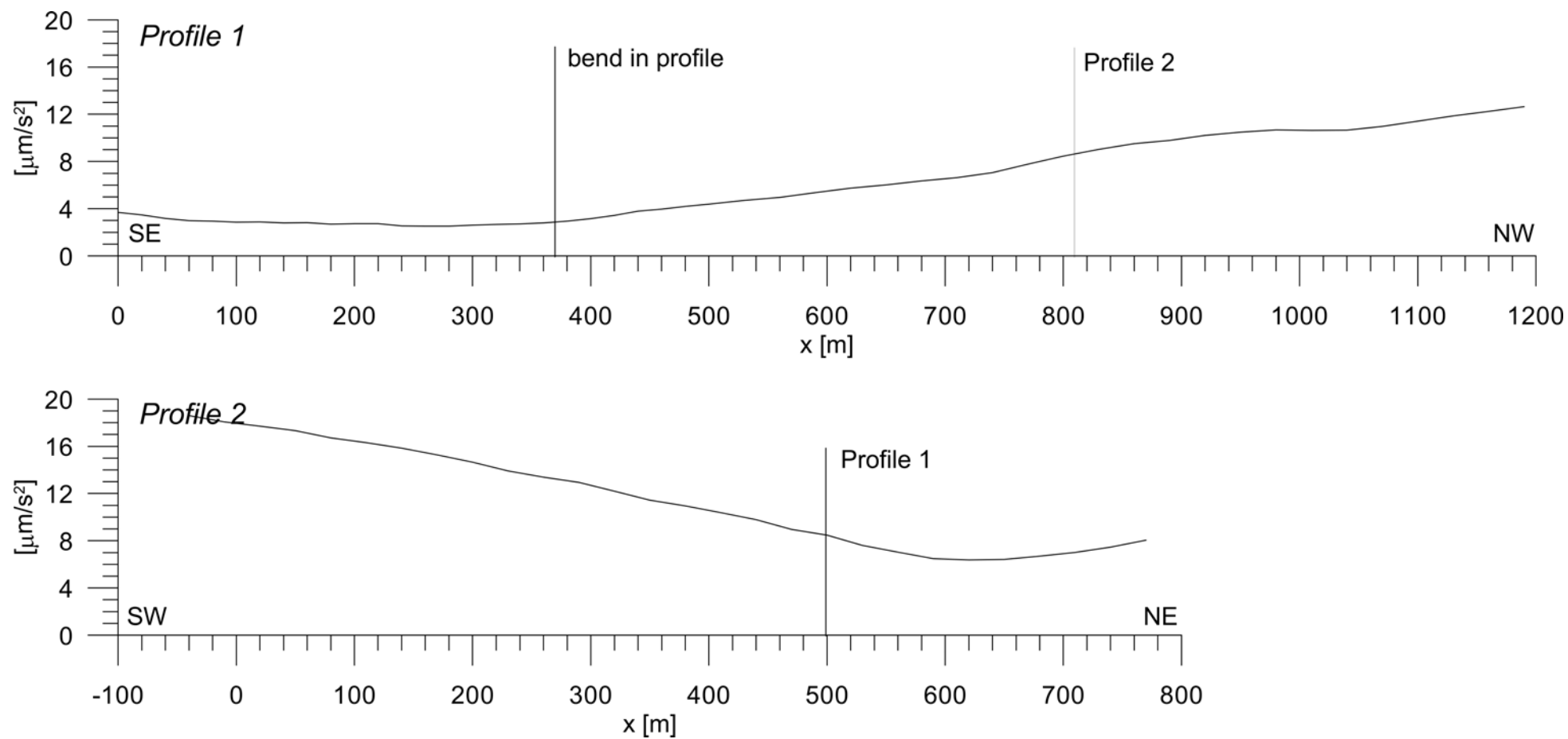


Fig. 1.1: Bouguer anomaly profiles Mun-GP1 and Mun-GP2 calculated for reduction density 2.3 g/cm^3 .

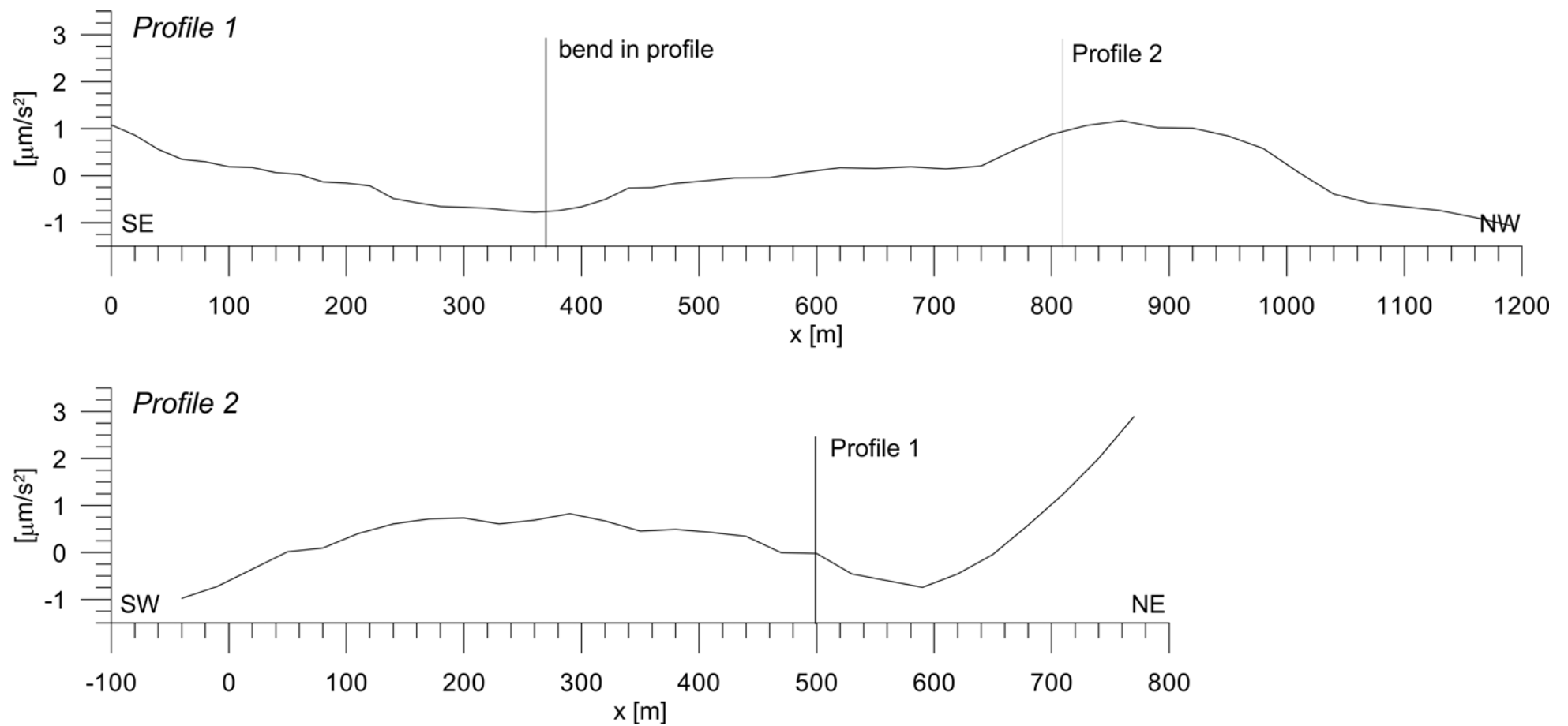


Fig. 1.2: Residual anomaly profiles Mun-GP1 and Mun-GP2. Regional field was approximated by 3rd order polynomial.

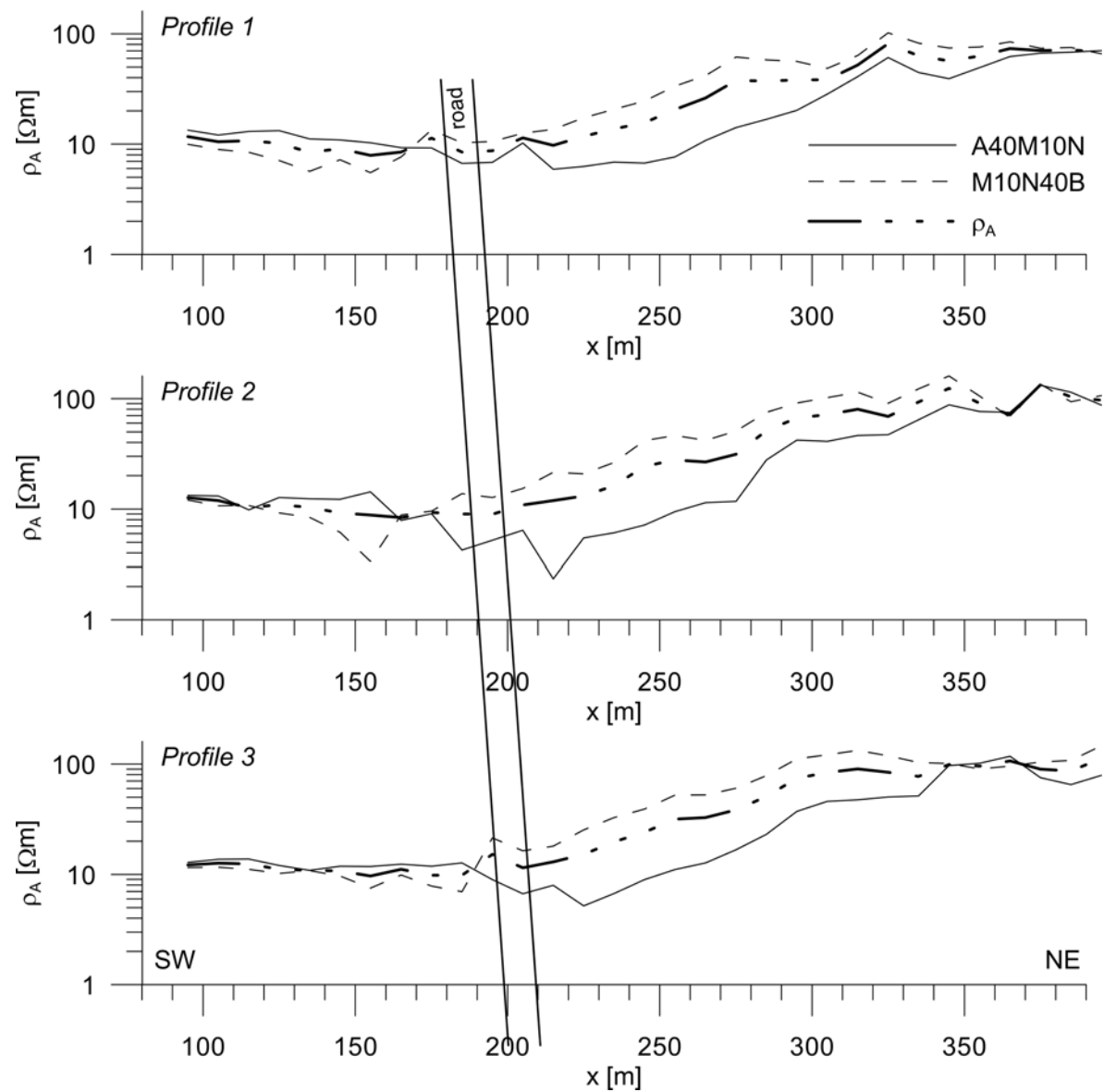


Fig. 1.3: Apparent resistivity pole-dipole profiles Mun-1 to Mun-3.

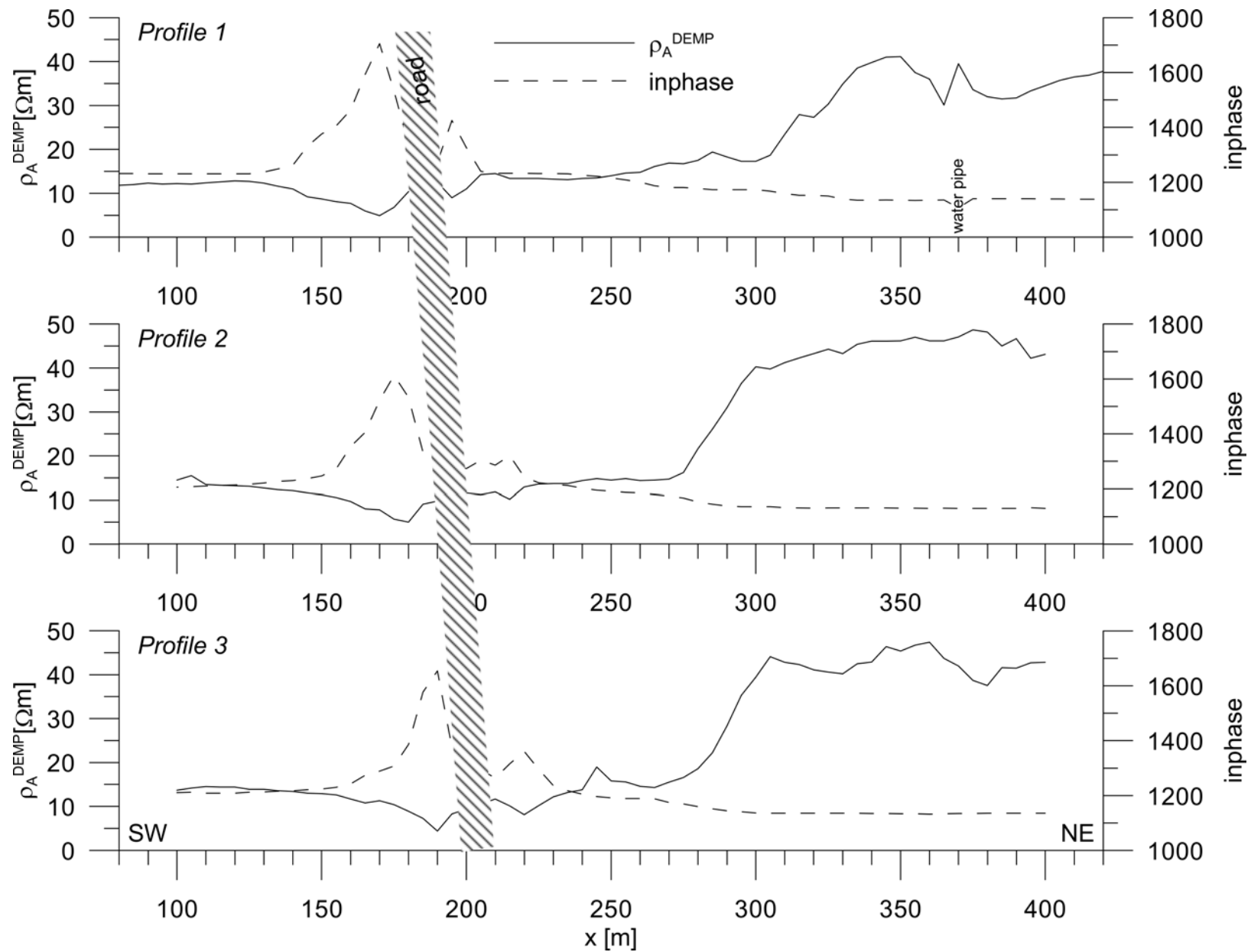


Fig. 1.4: Apparent resistivity on DEMP profiles Mun-1 to Mun-3. Dipole separation 3.8 m.

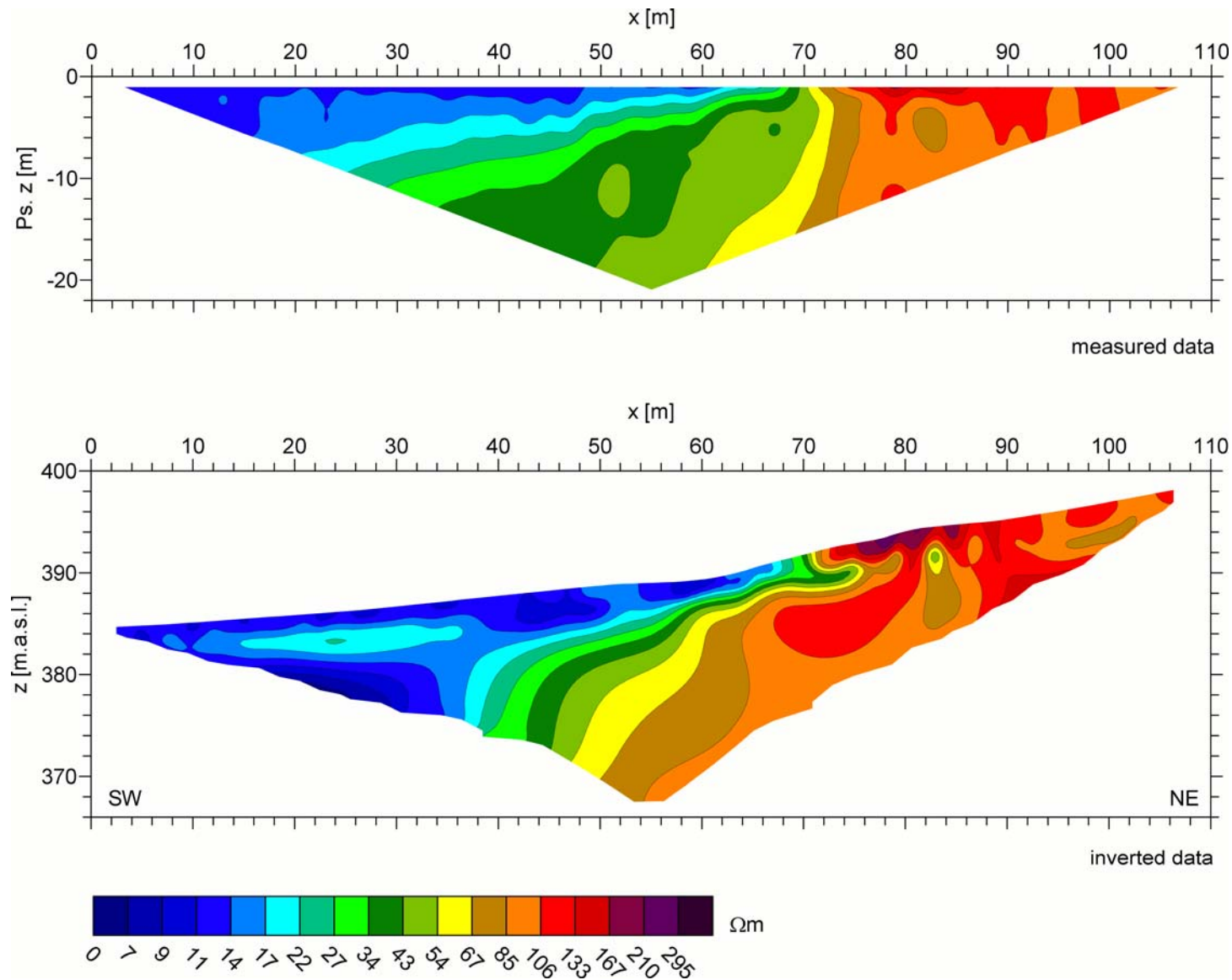


Fig. 1.5: Multielectrode resistivity profile Mun-P1. Wenner-Schlumberger configuration, electrode spacing 2 m. The 0 m position corresponds to 222 m position on Mun-3 profile.

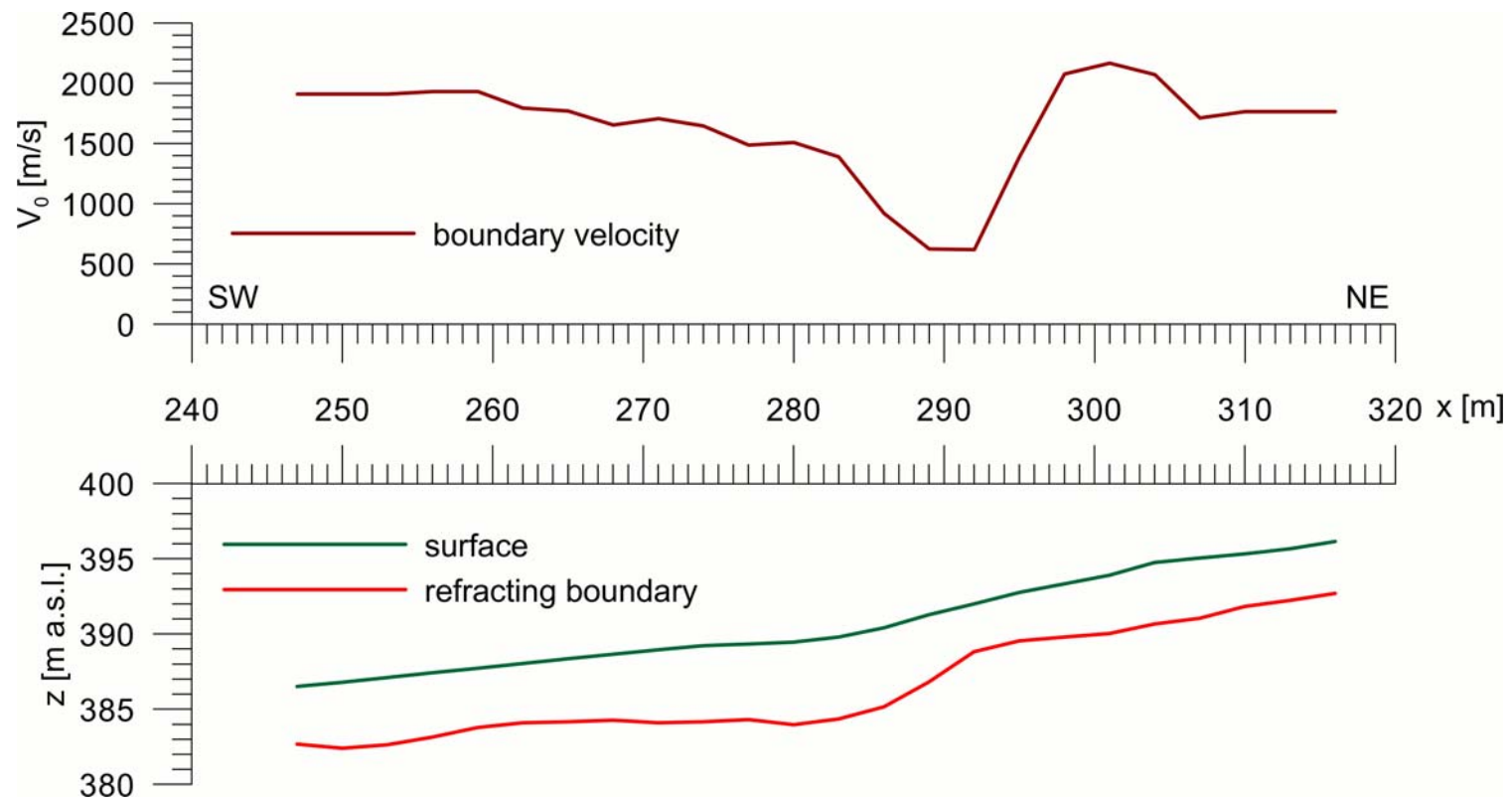


Fig. 1.6: Shallow refraction seismic profile Mun-SP1. Top - boundary velocity profile. Bottom - refracting boundary solved by t_0 method. The x-positions correspond to those of Mun-3 profile.

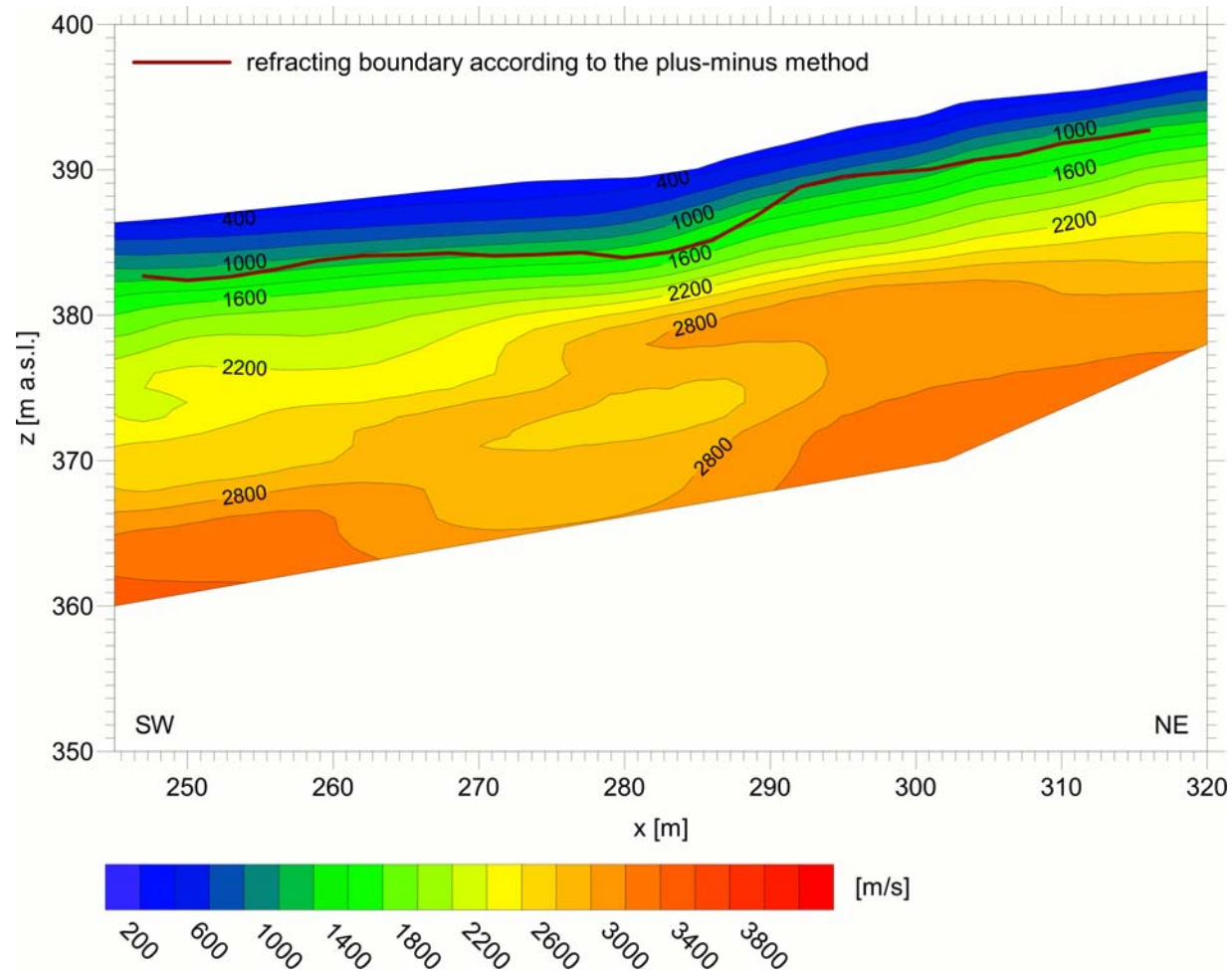


Fig. 1.7: Shallow refraction seismic profile Mun-SP1. Surface tomography. The x-positions correspond to those of Mun-3 profile.

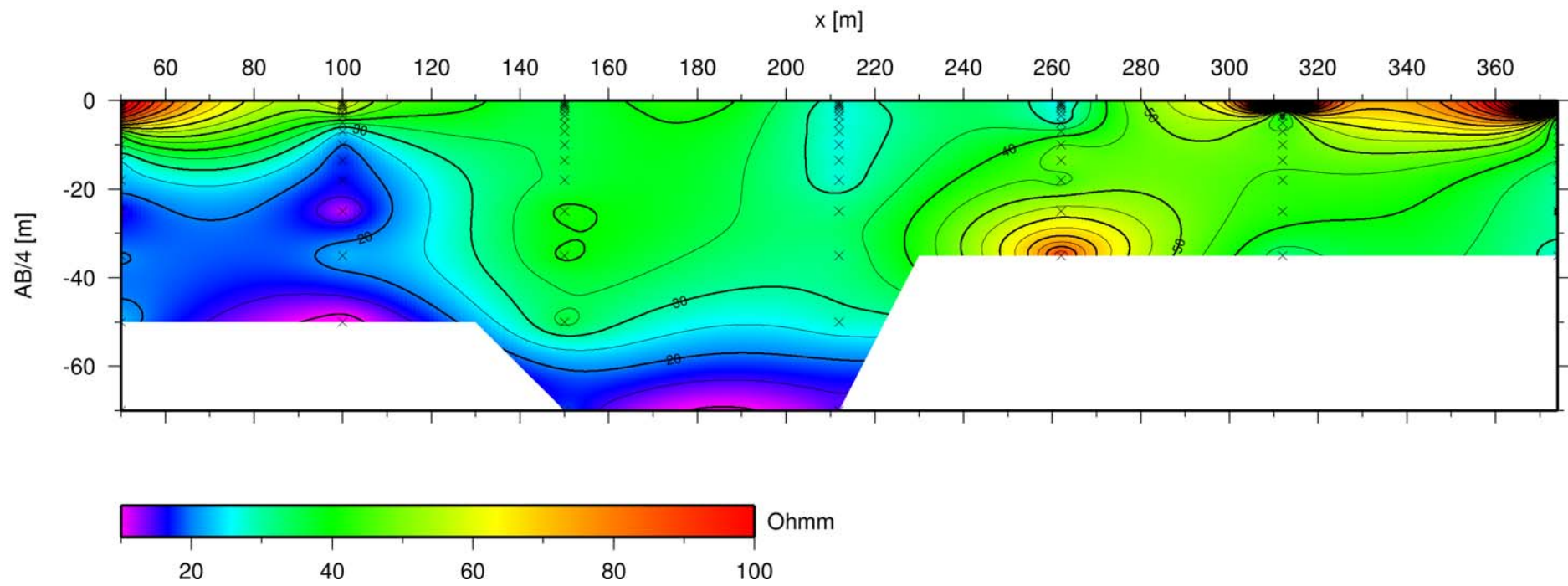


Fig. 1.8: Munice - VES 1 to 7, apparent resistivity pseudosection. The x-positions correspond to those of Mun-P3 profile.

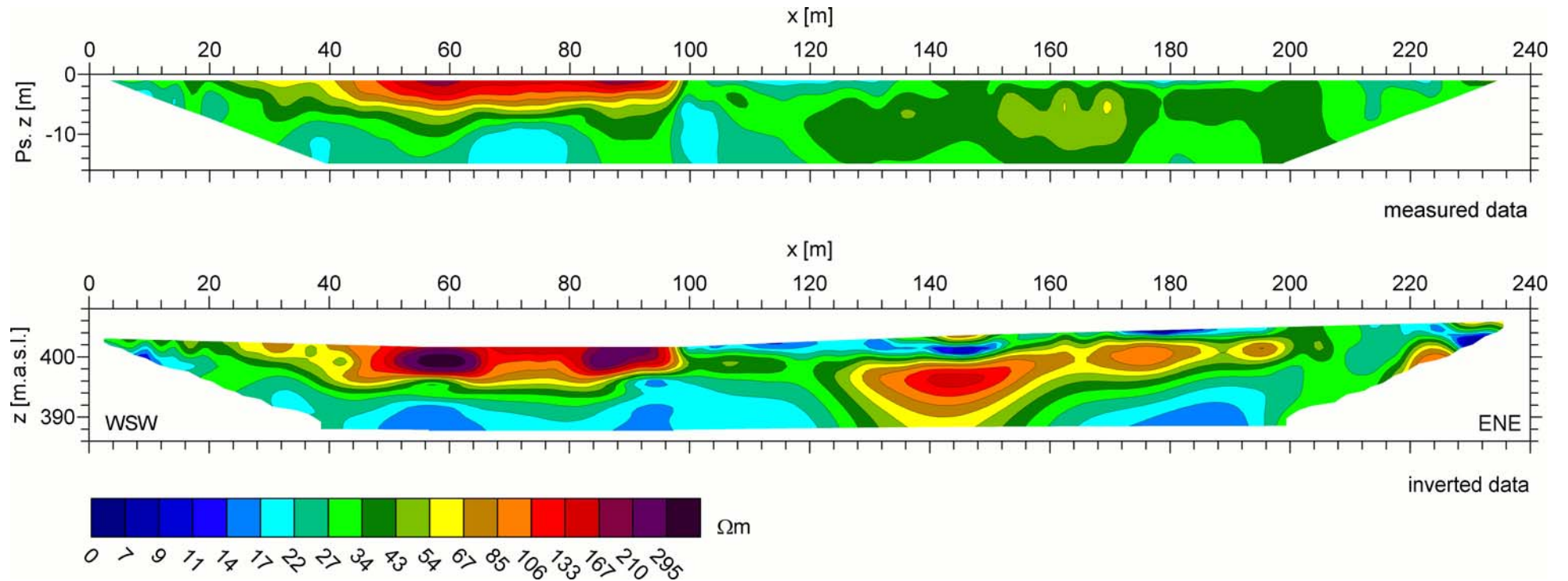


Fig. 1.9: Multielectrode resistivity profile Mun-P3. Wenner-Schlumberger configuration, electrode spacing 2 m. The x-positions correspond to those of VES profile.

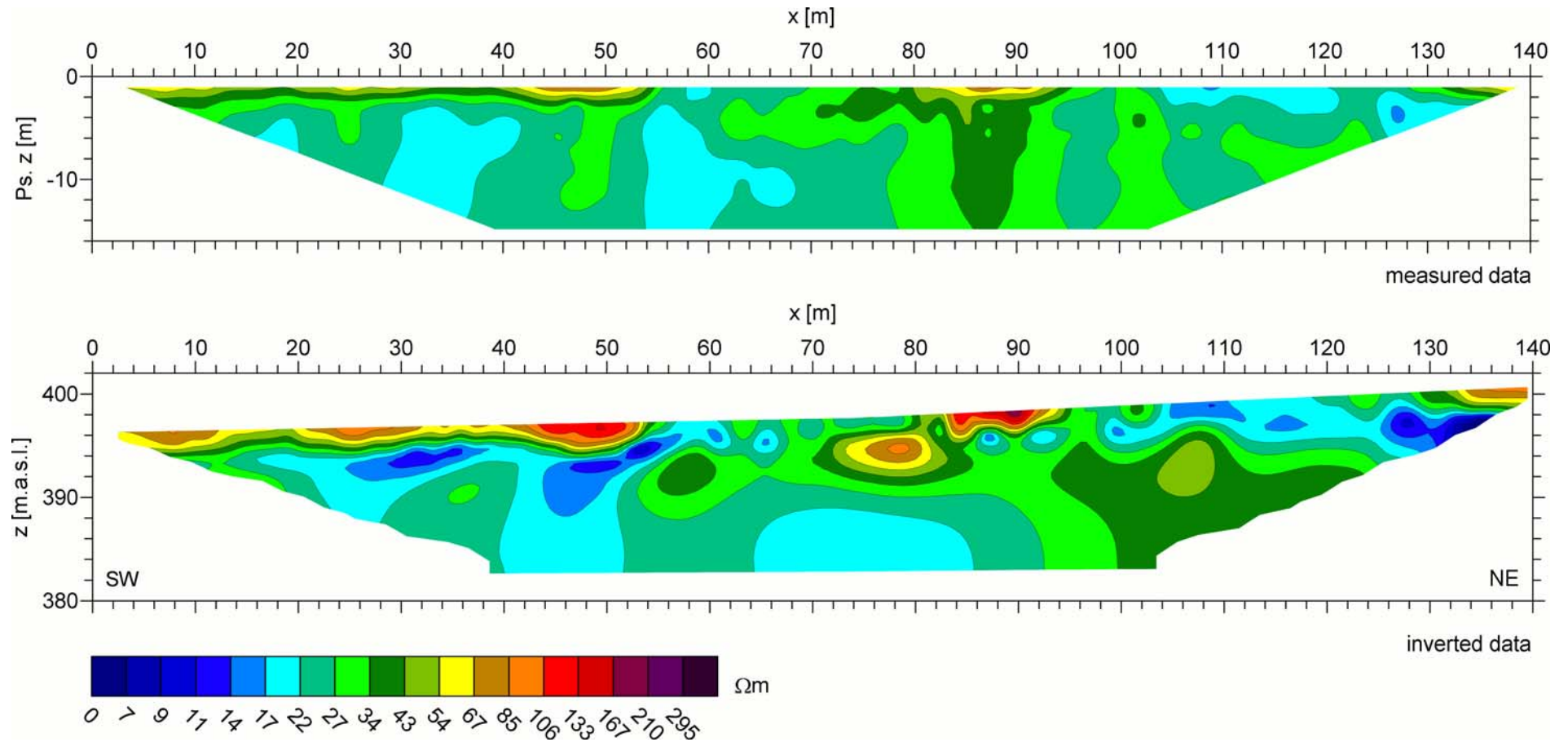


Fig. 1.10: Multielectrode resistivity profile Mun-P4. Wenner-Schlumberger configuration, electrode spacing 2 m.

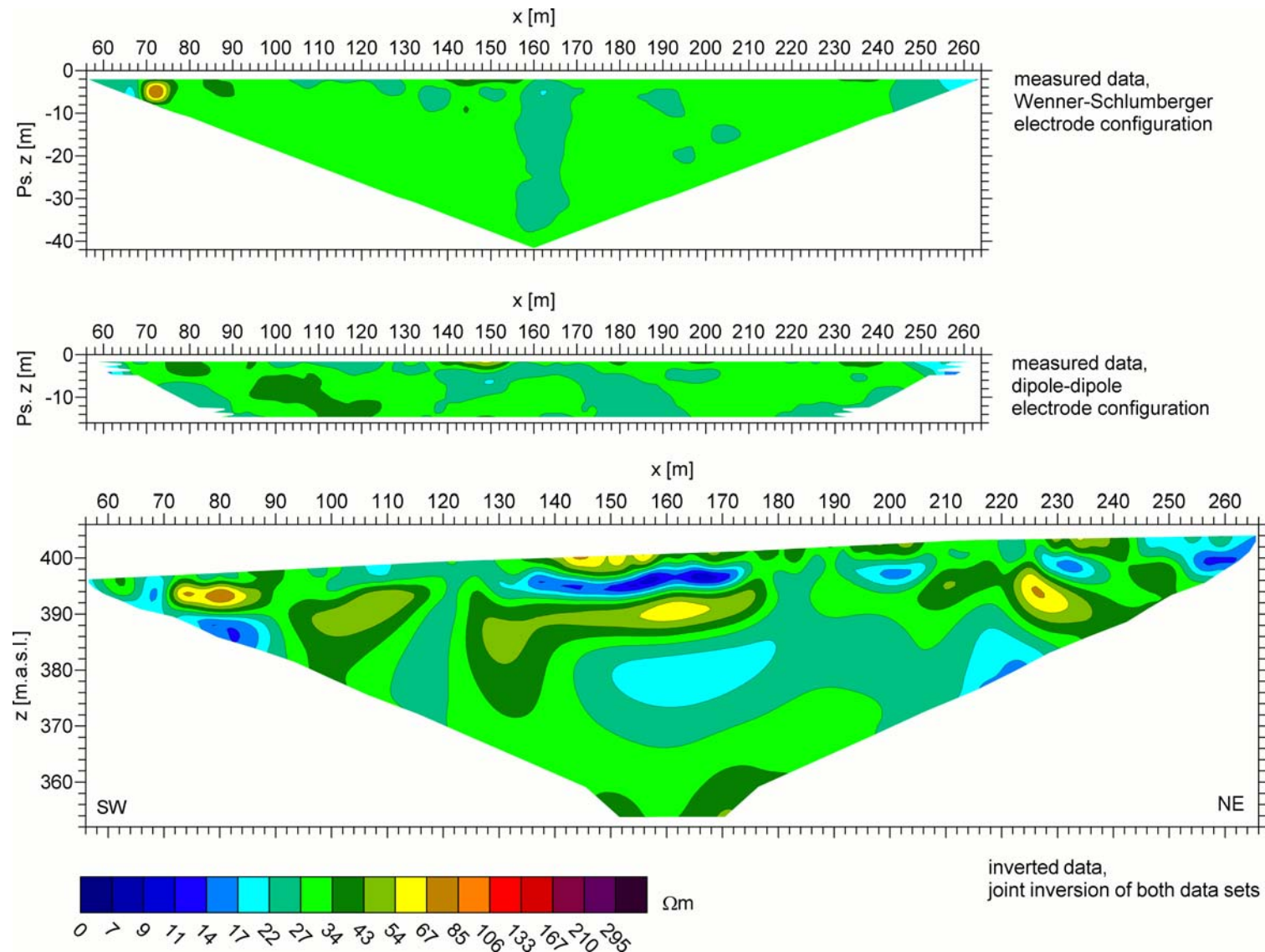
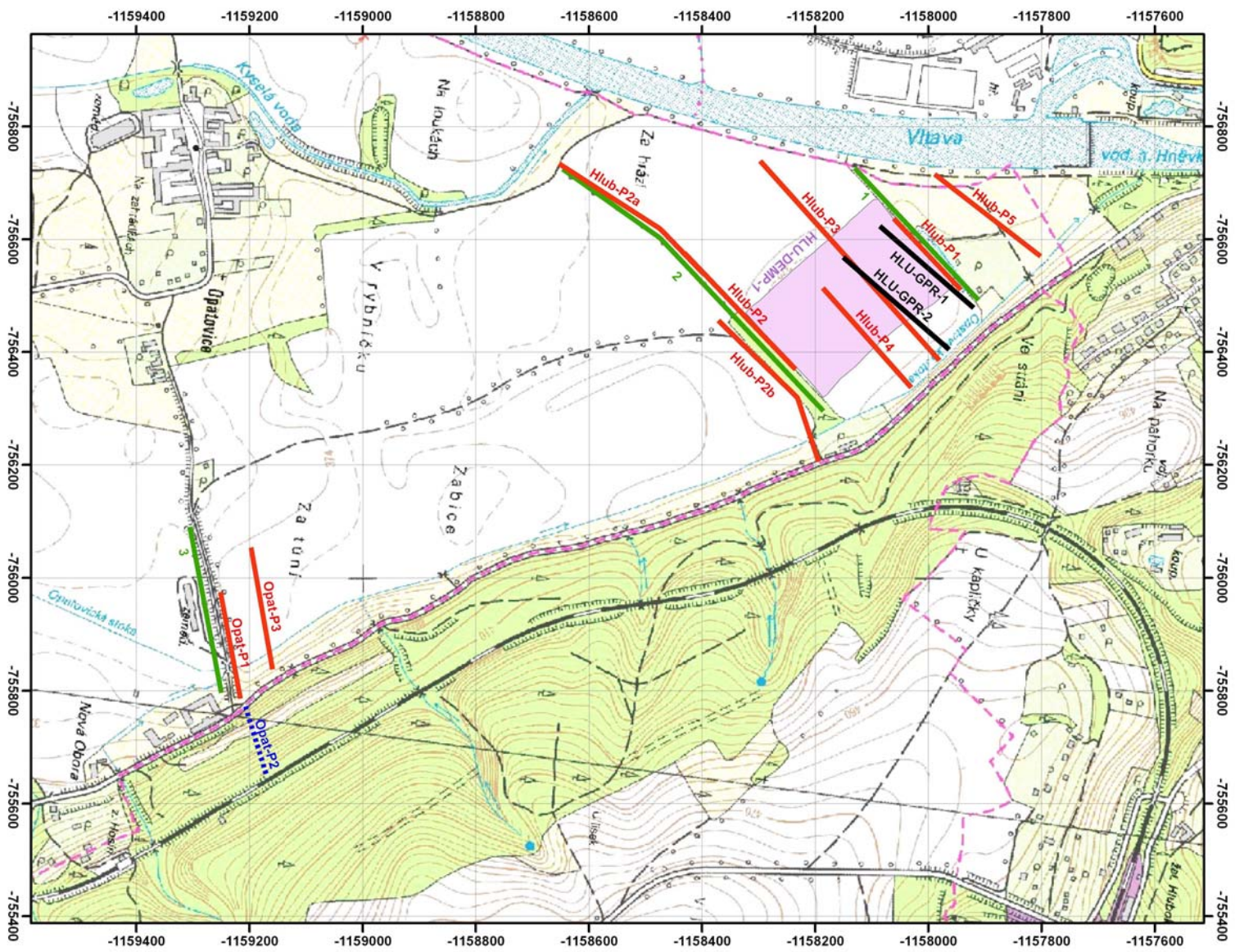


Fig. 1.11: Multielectrode resistivity profile Mun-P5. Wenner-Schlumberger and dipole-dipole configurations, electrode spacing 4 m. Joint inversion of both datasets is shown. The x-positions correspond to those of Mun-P4 profile.

Localities Hluboká nad Vltavou and Opatovice



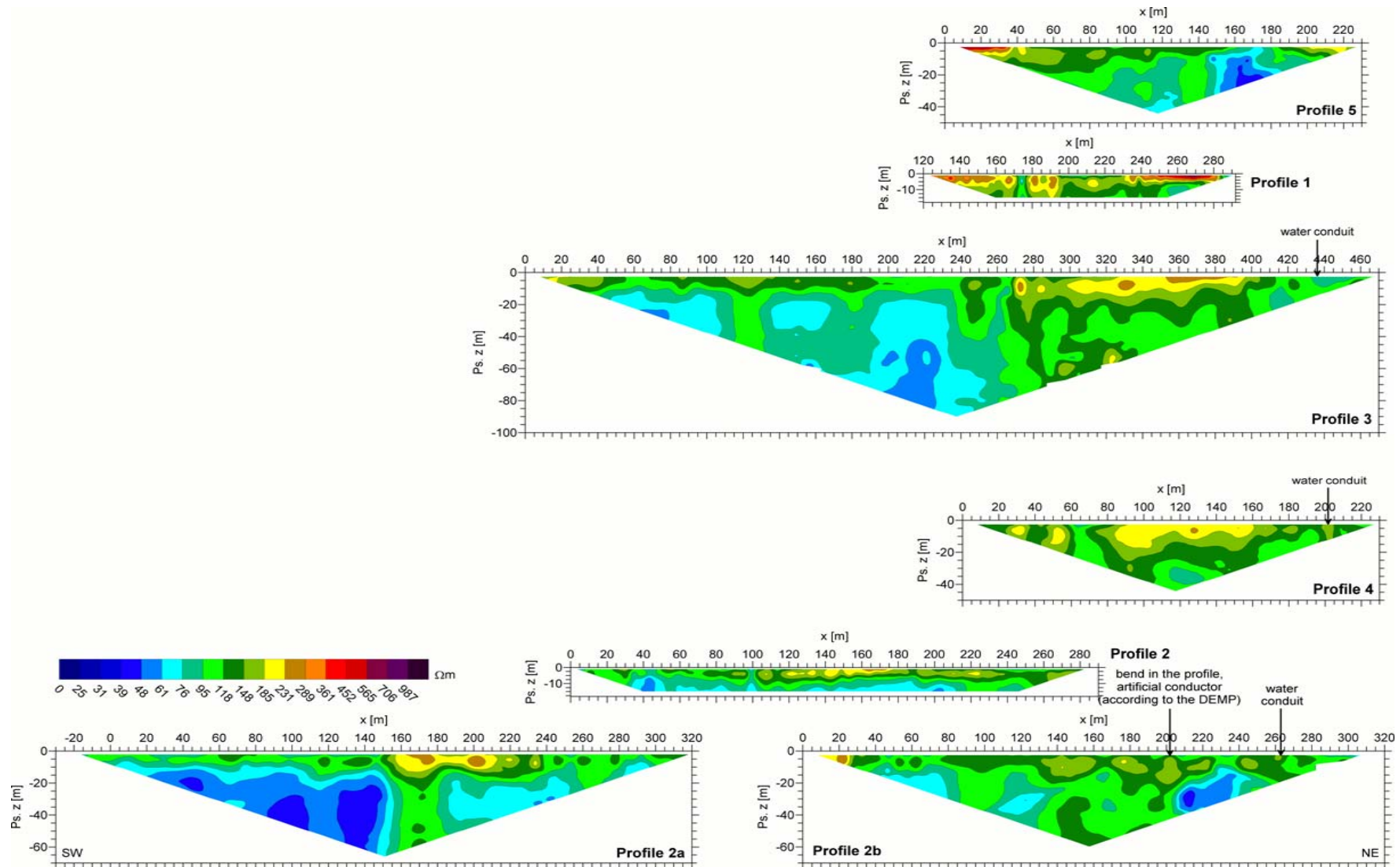


Fig. 2.1: Hluboká nad Vltavou-weir (floodplain). Multi-electrode resistivity profiles Hlub-P1 to Hlub-P5. Wenner-Schlumberger configuration. Apparent resistivities.

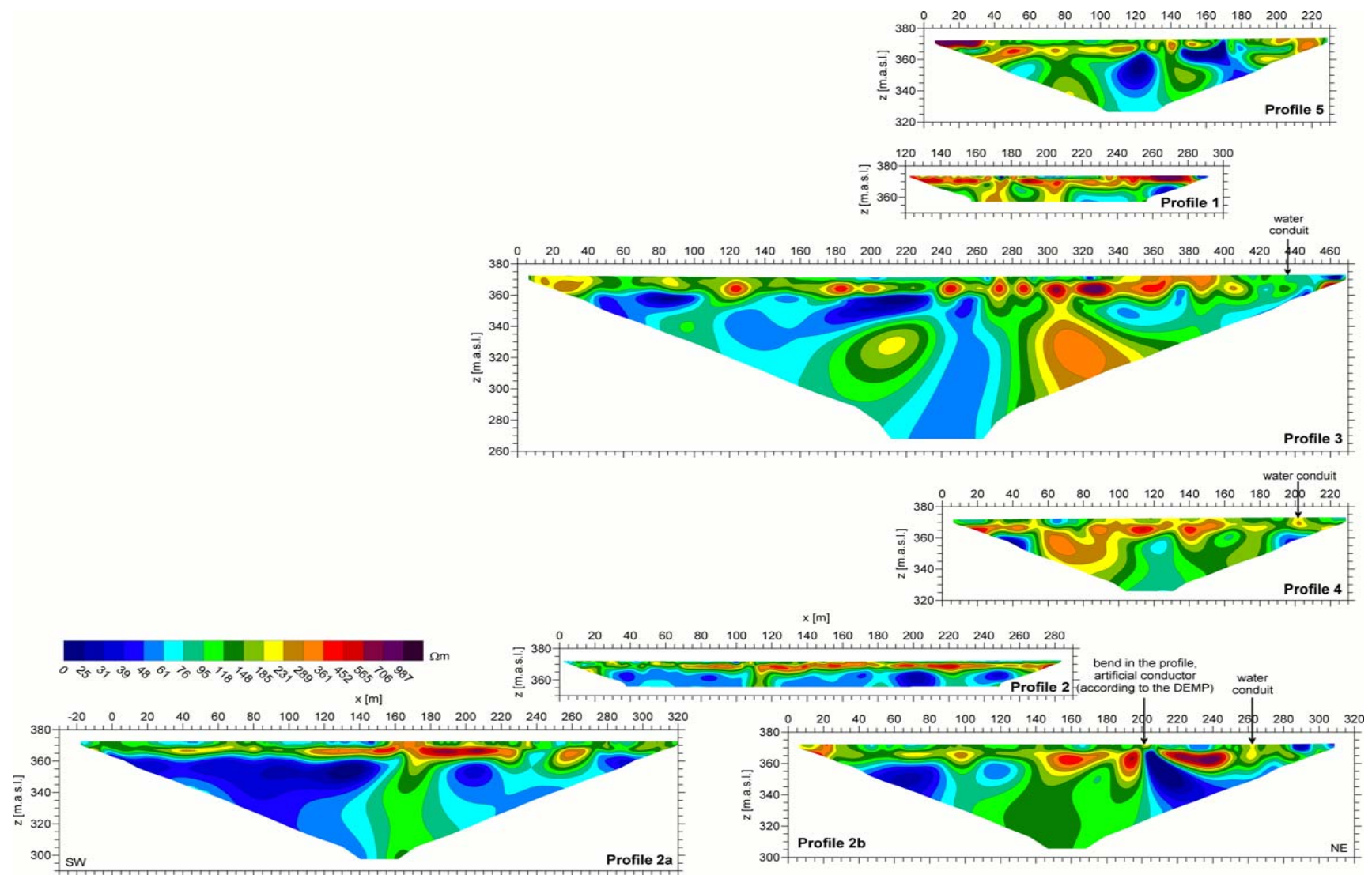


Fig. 2.2: Hluboká nad Vltavou-weir (floodplain). Multielectrode resistivity profiles Hlub-P1 to Hlub-P5. Wenner-Schlumberger configuration. Inverted data.

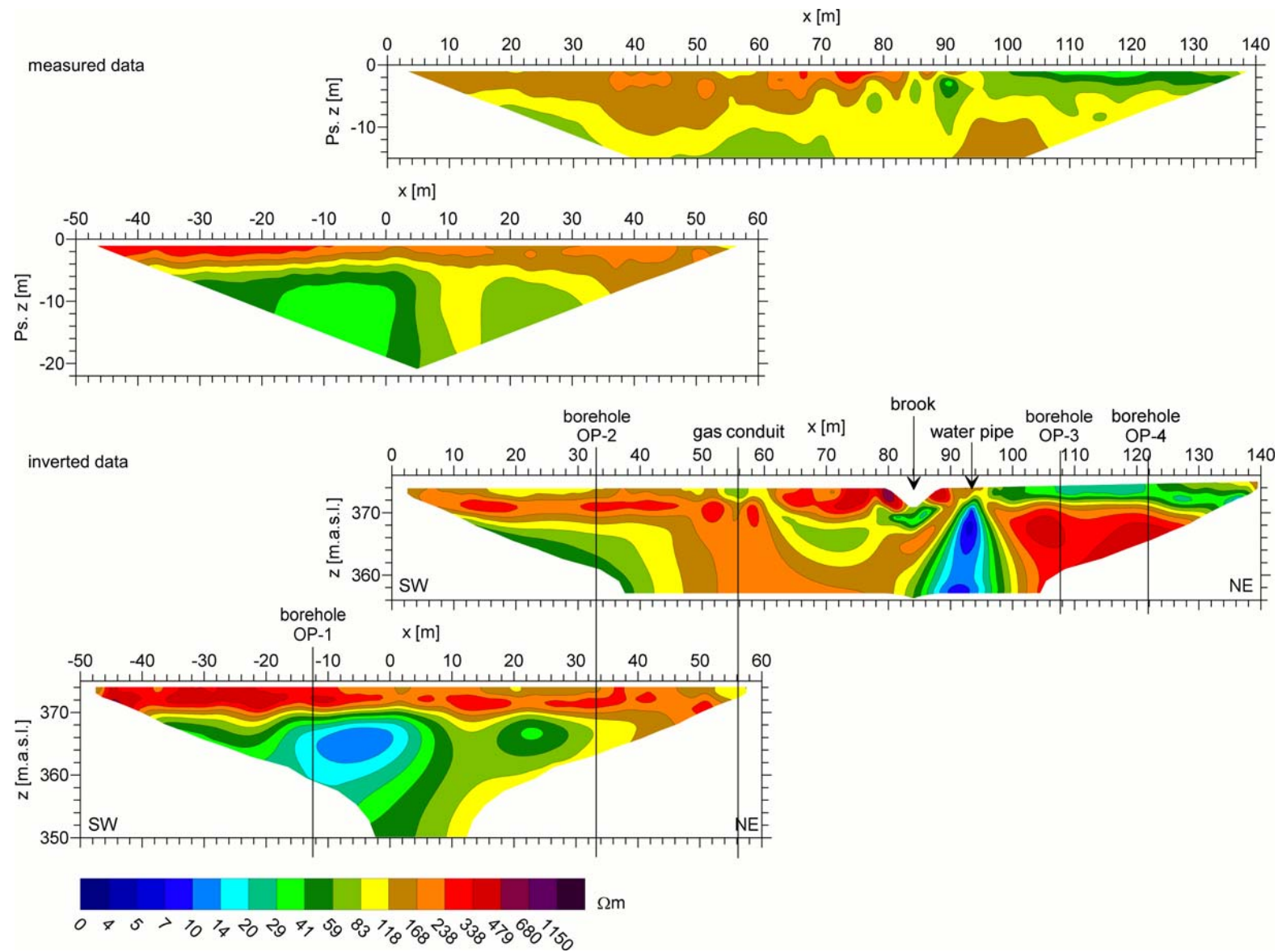


Fig. 2.3: Multielectrode resistivity profile Opat-P1. Wenner-Schlumberger configuration, electrode spacing 2 m.

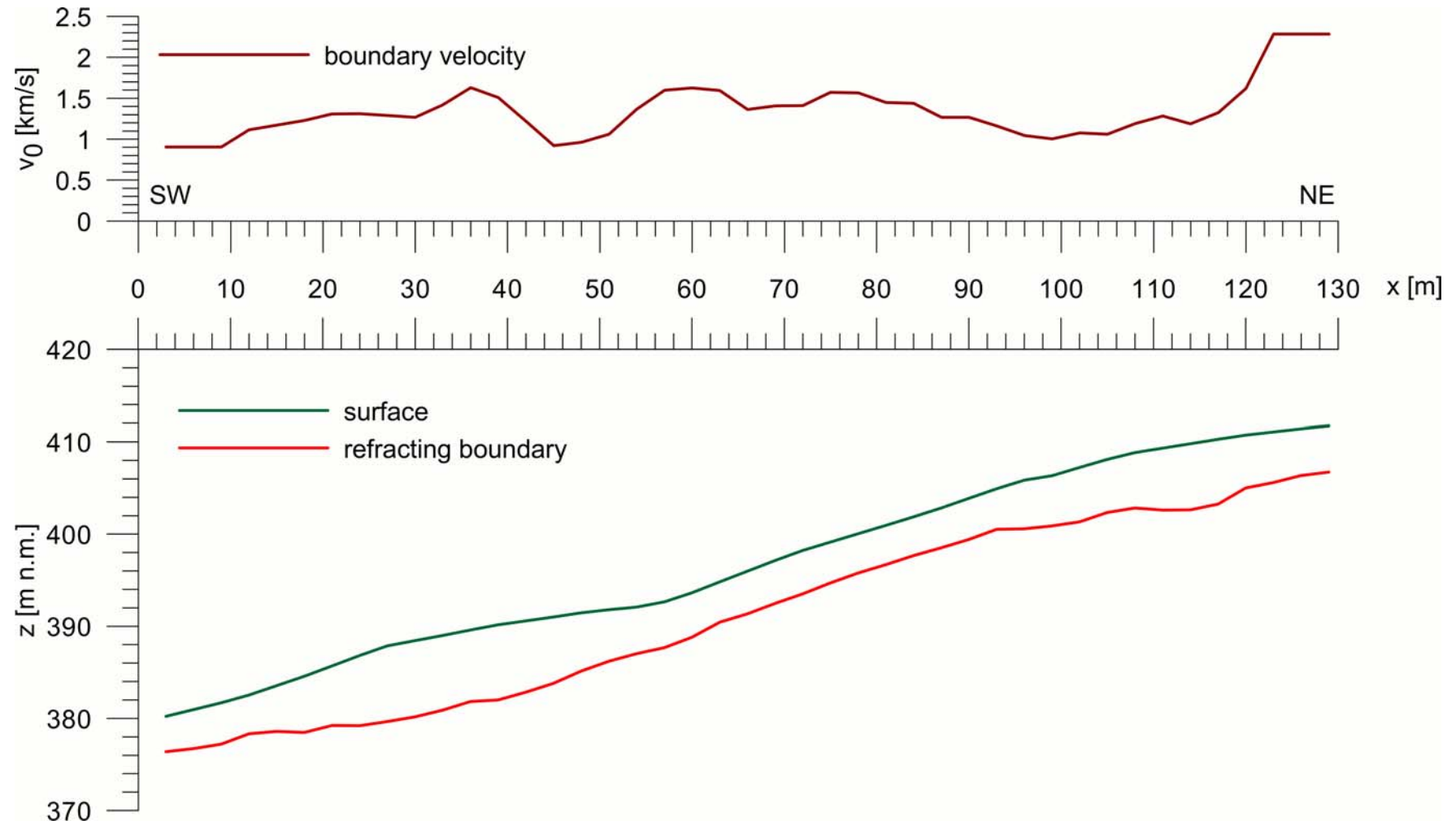


Fig. 2.4: Shallow refraction seismic profile Opat-P2. Top - boundary velocity profile. Bottom - refracting boundary solved by t_0 method.

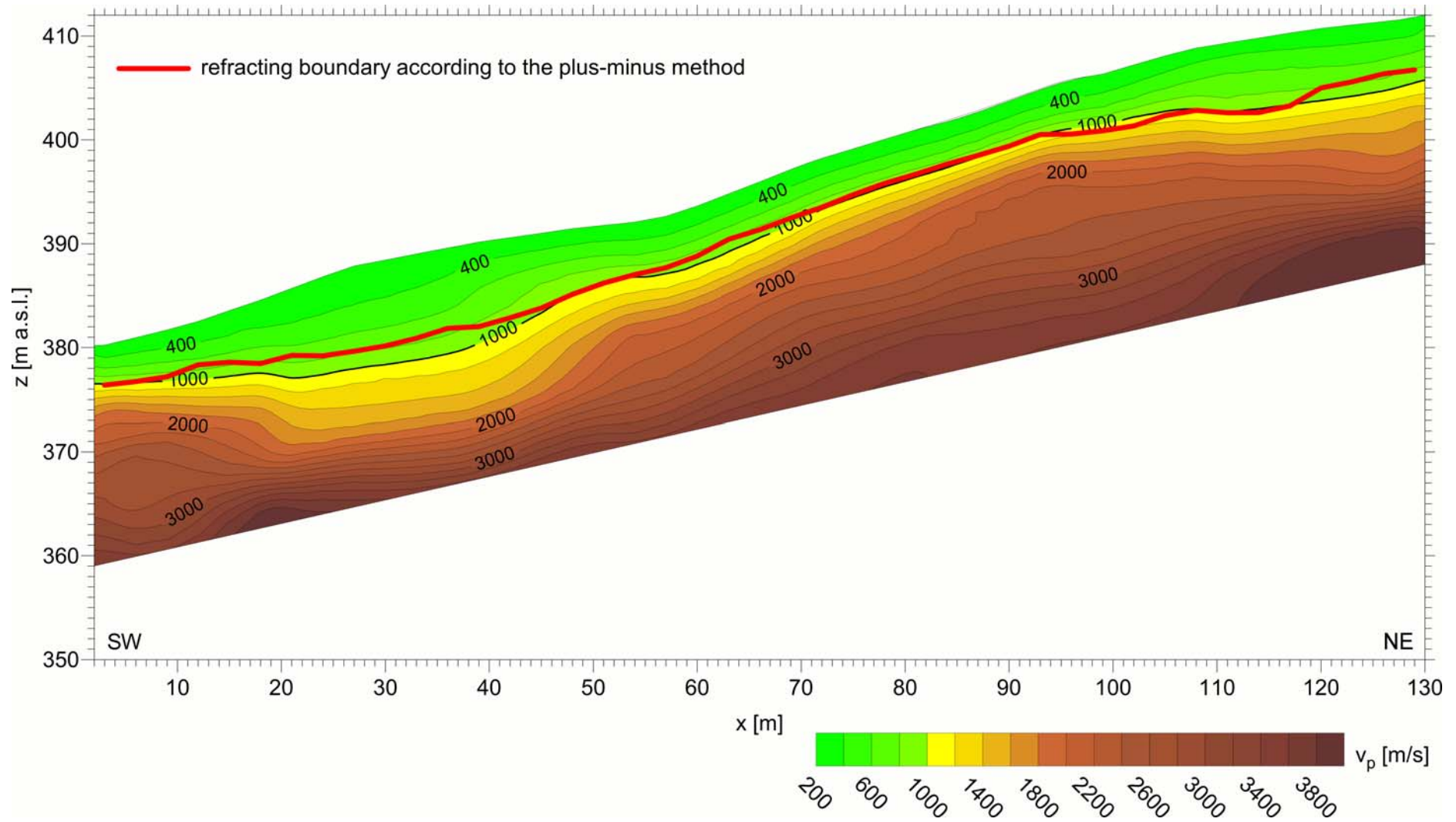


Fig. 2.5: Shallow refraction seismic profile Opat-P2. Surface tomography.

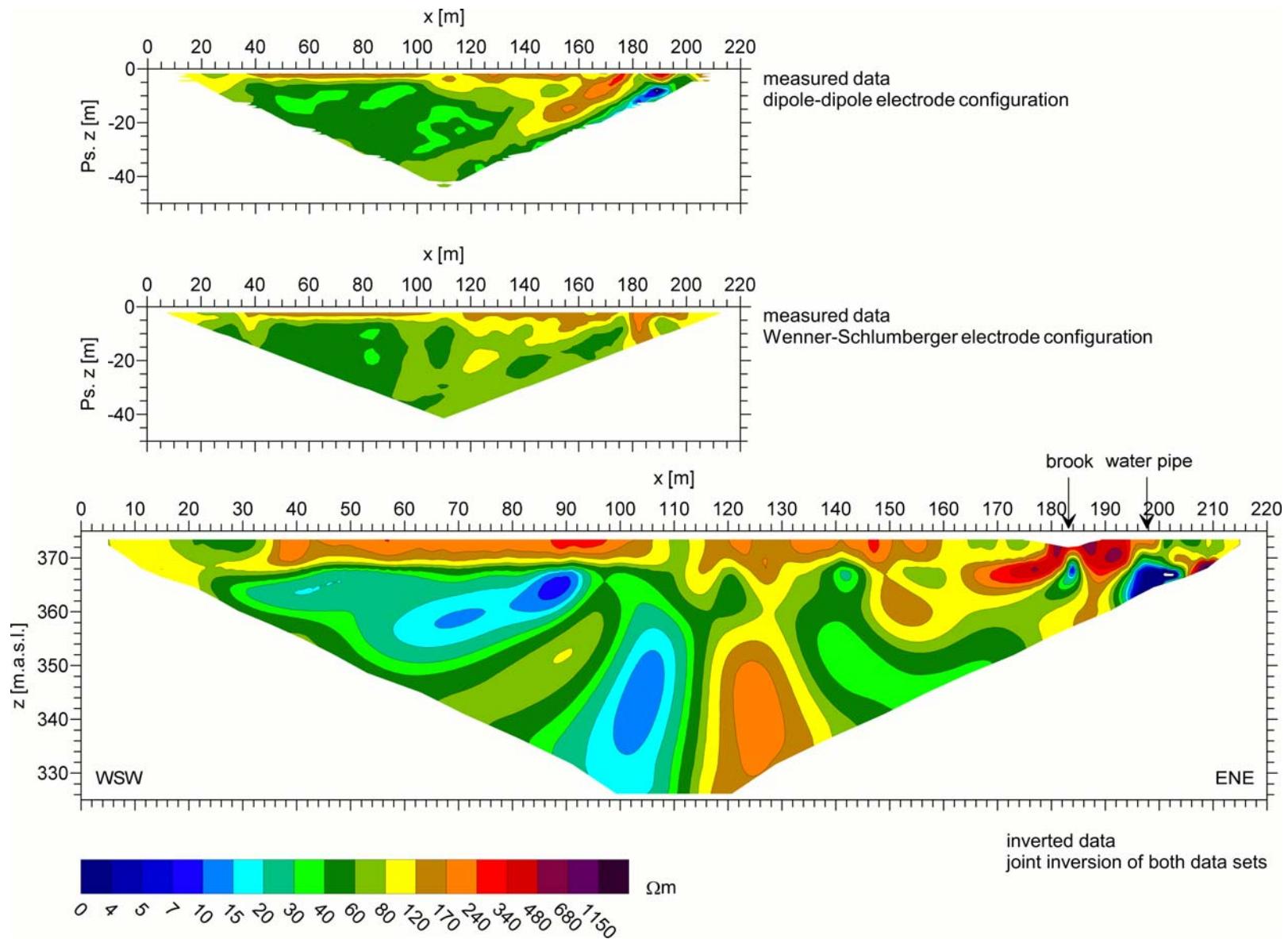
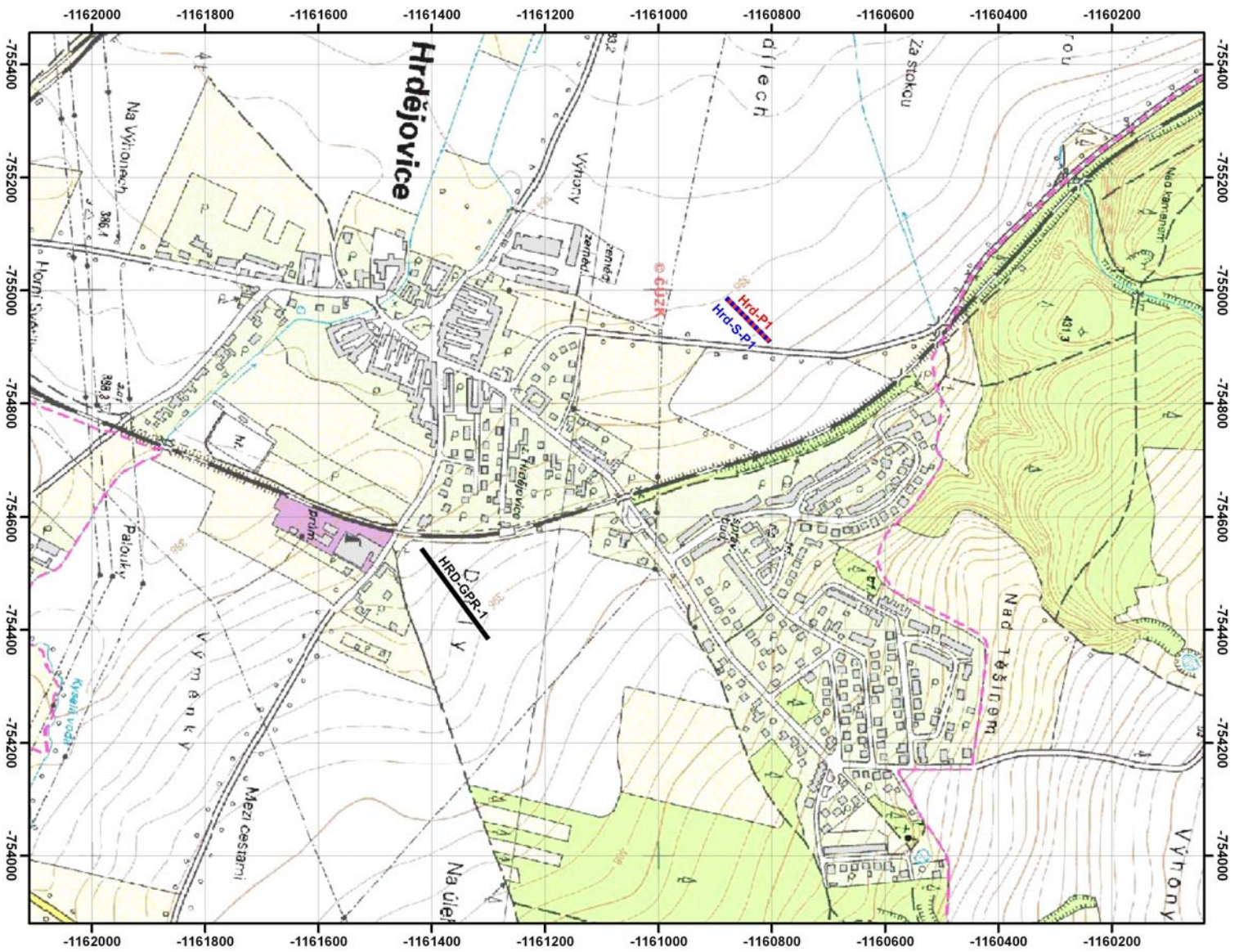


Fig. 2.6: Multielectrode resistivity profile Opat-P3. Wenner-Schlumberger and dipole-dipole configurations, electrode spacing 4 m.

Locality Hrdějovice



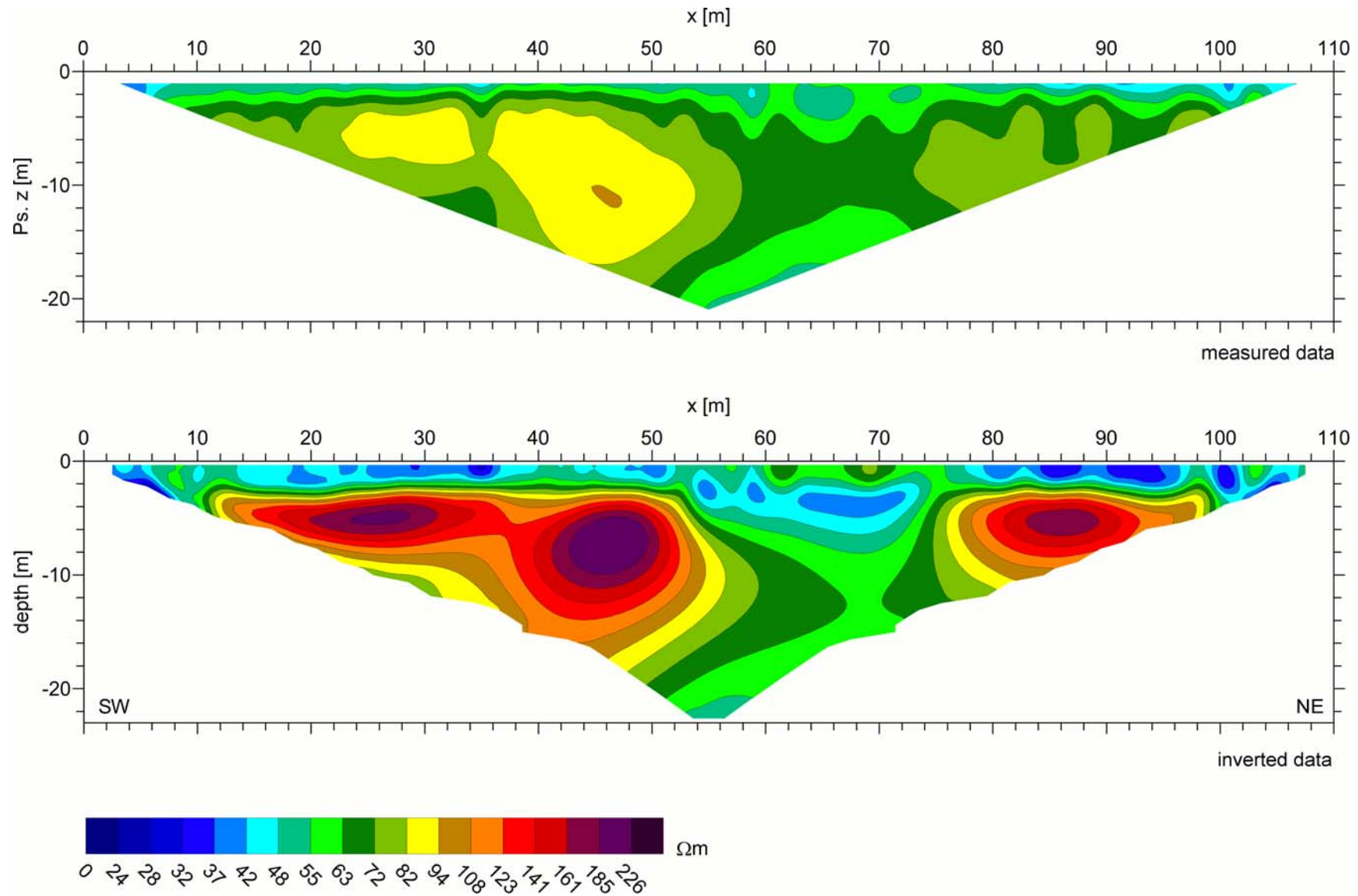


Fig. 3.1: Multielectrode resistivity profile Hrd-P1. Wenner-Schlumberger configuration, electrode spacing 2 m.

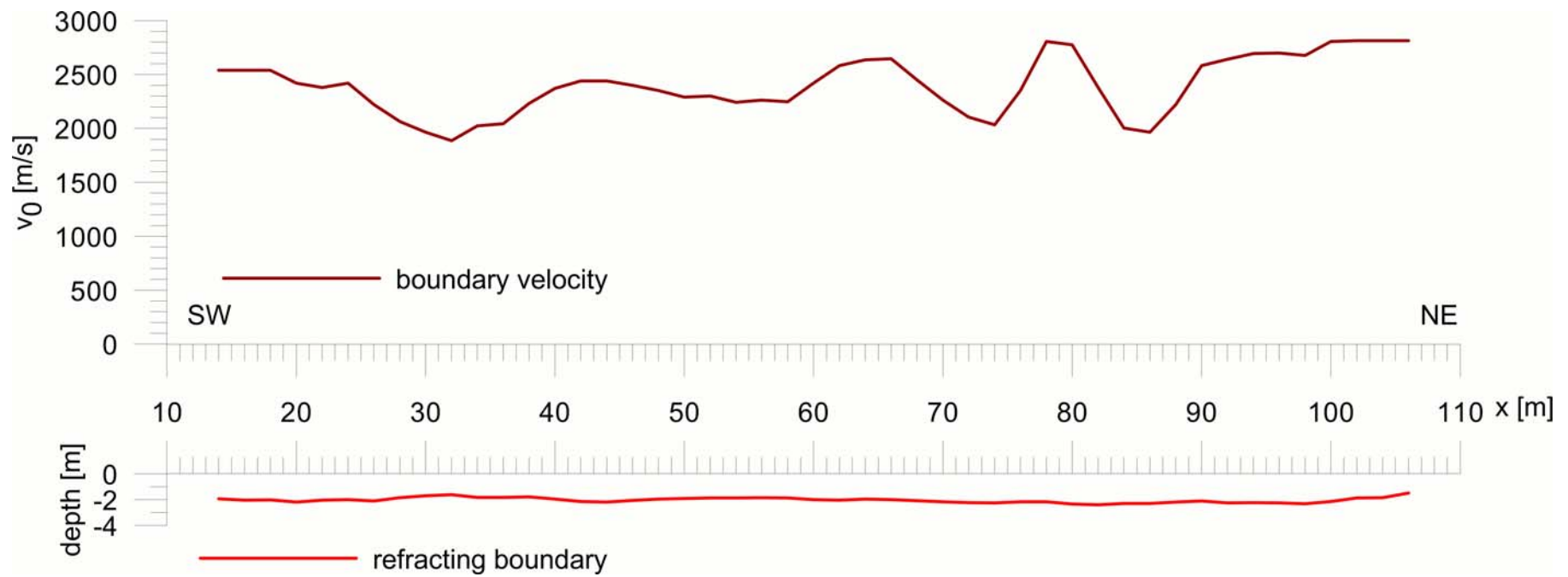


Fig. 3.2: Shallow refraction seismic profile Hrd-P1. Top - boundary velocity profile. Bottom - refracting boundary solved by t_0 method.

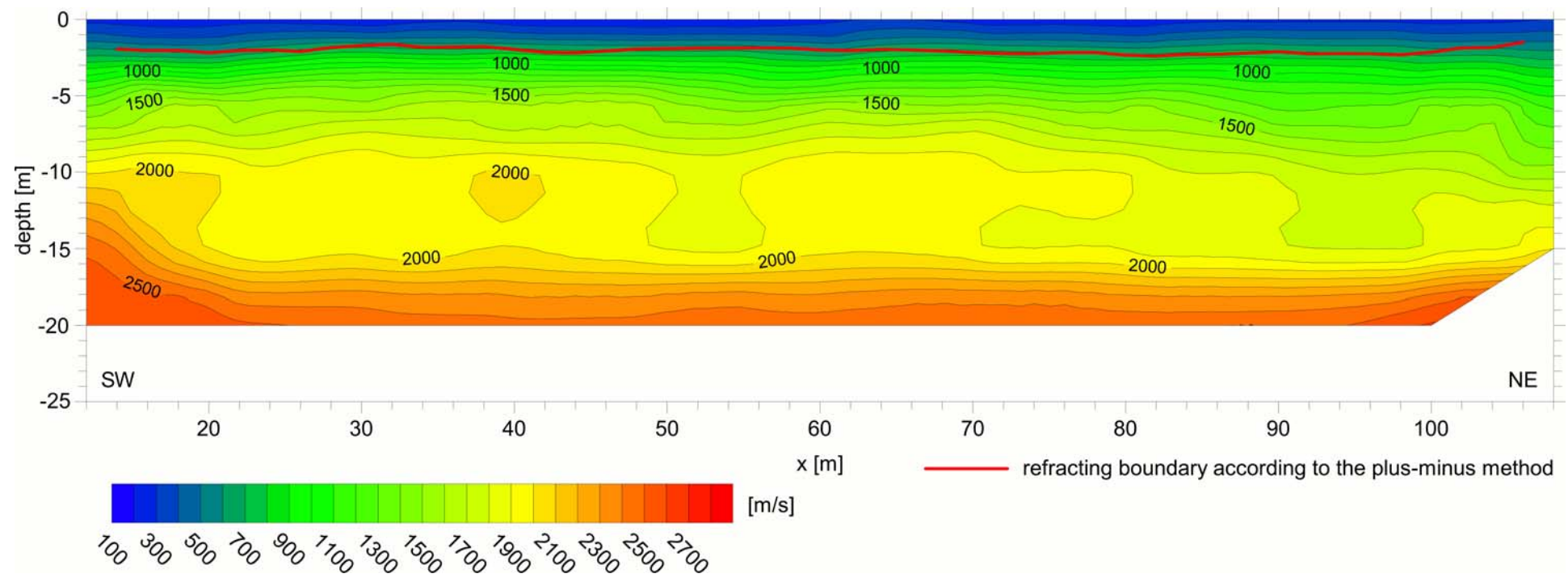
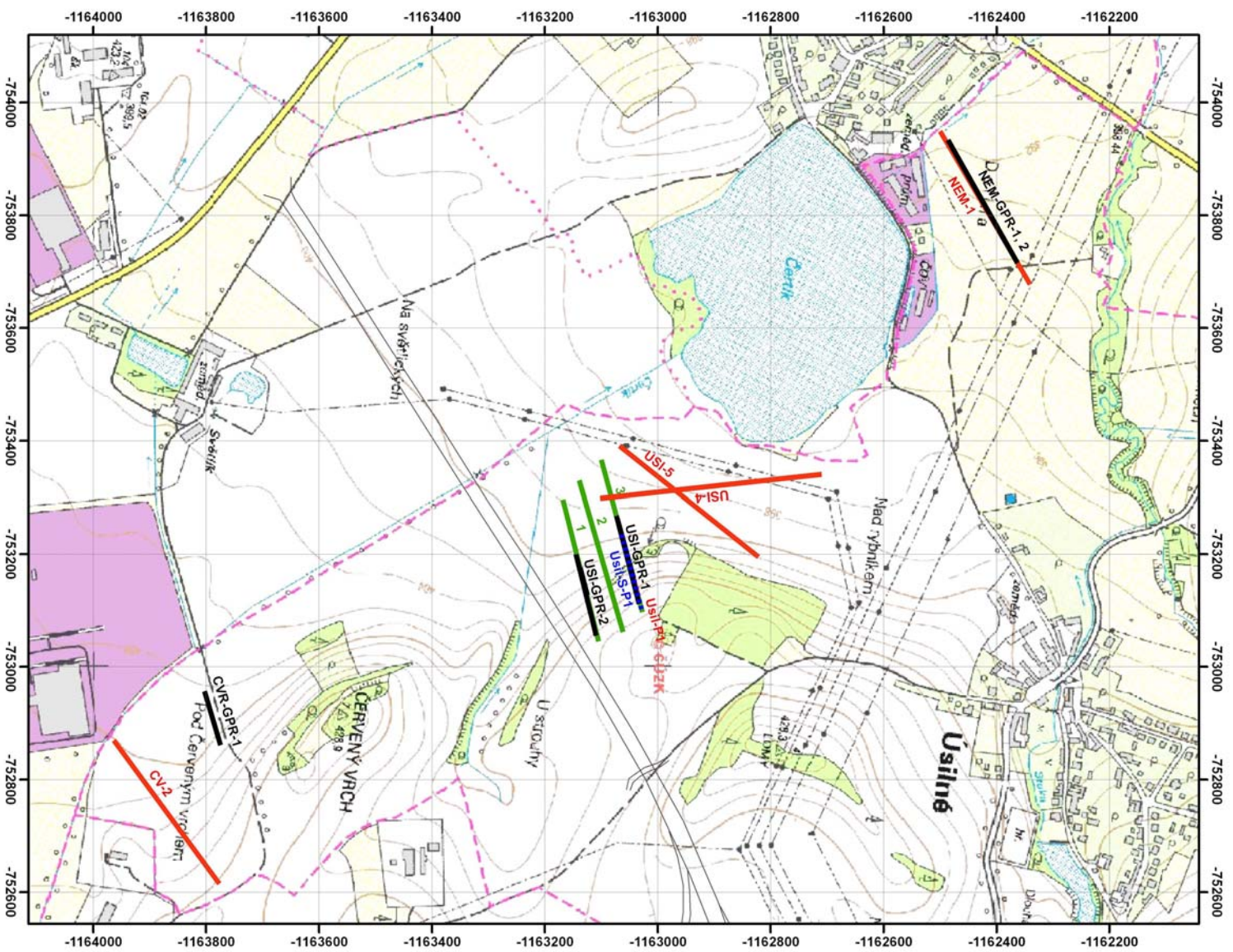


Fig. 3.3: Shallow refraction seismic profile Hrd-P1. Surface tomography.

Localities Nemanice, Úsilné and Červený vrch



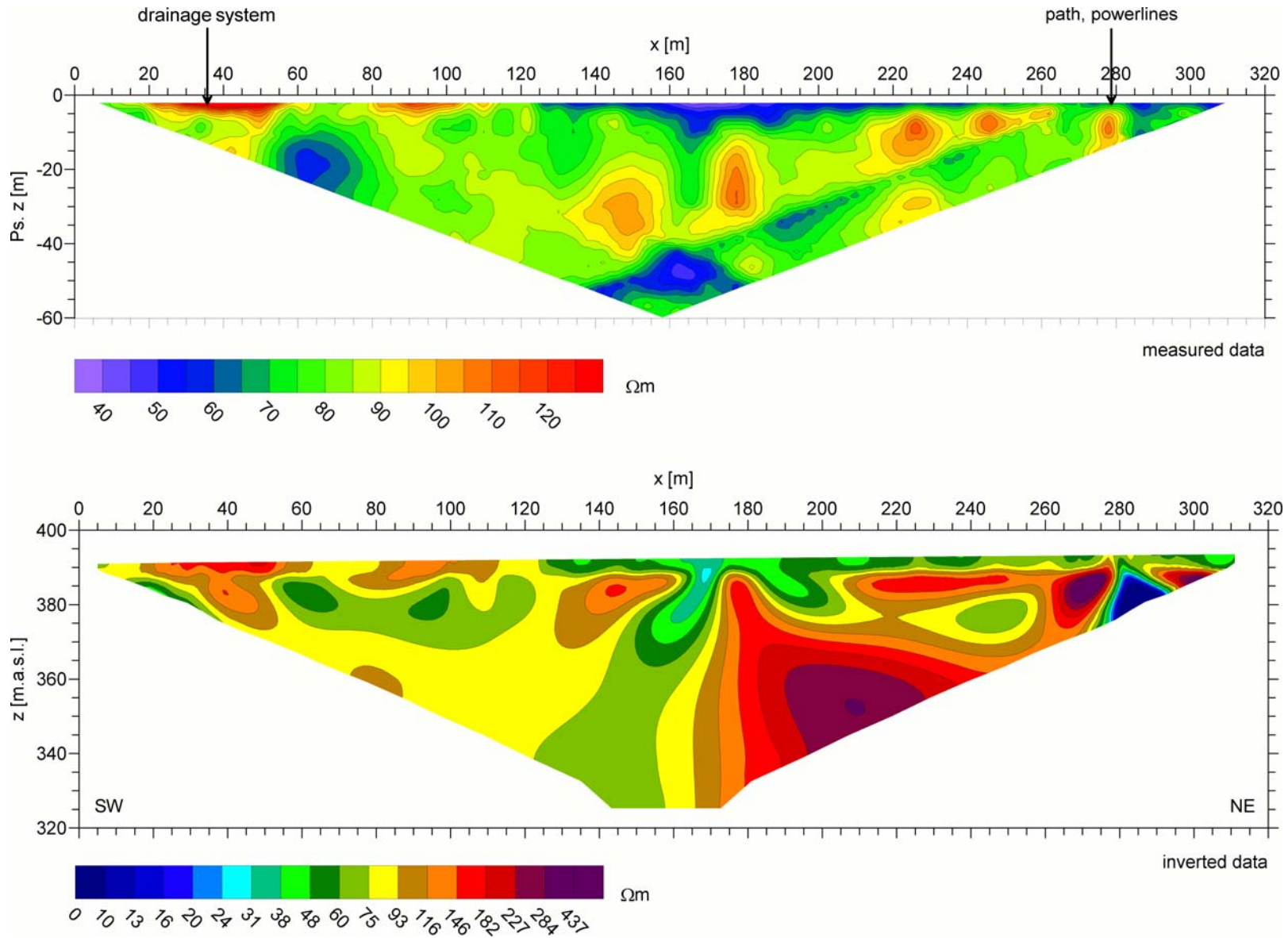


Fig. 4.1: Multielectrode resistivity profile Nem-P1. Wenner-Schlumberger configuration, electrode spacing 4 m.

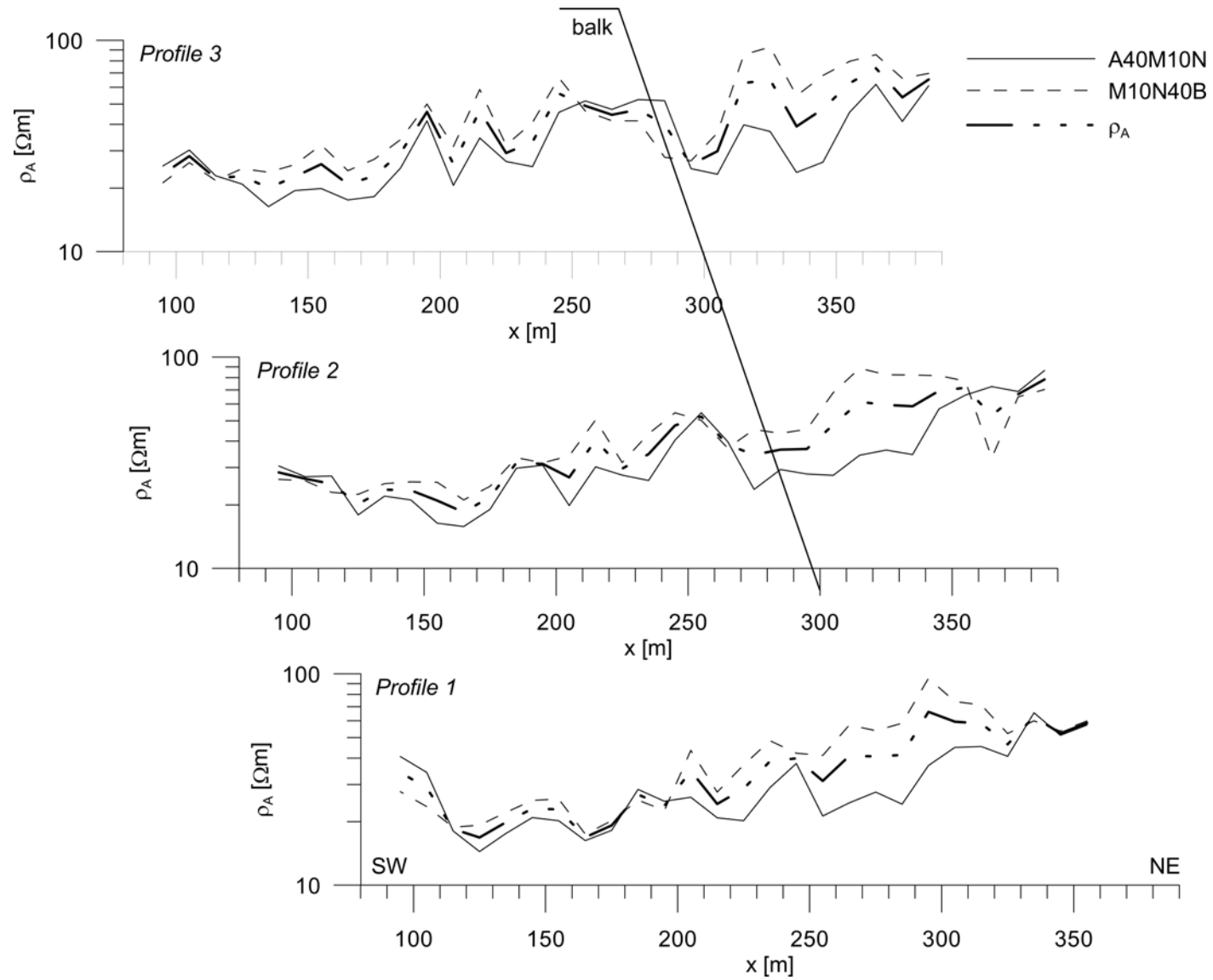


Fig. 4.2: Apparent resistivity pole-dipole profiles Usi-1 to Usi-3.

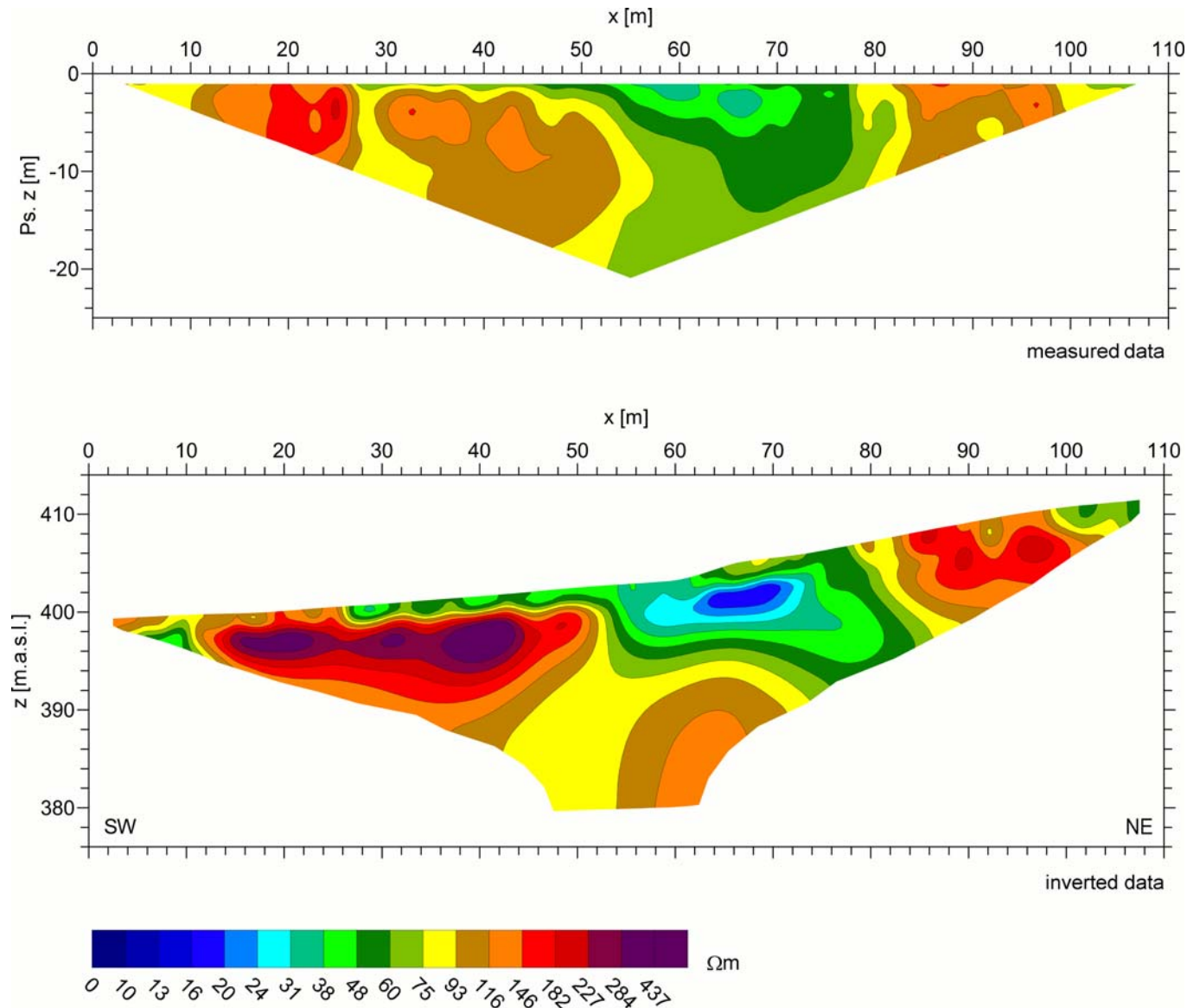


Fig. 4.3: Multielectrode resistivity profile Usil-P1. Wenner-Schlumberger configuration, electrode spacing 2 m. The 0 m position corresponds to 230 m position on Usi-3 profile.

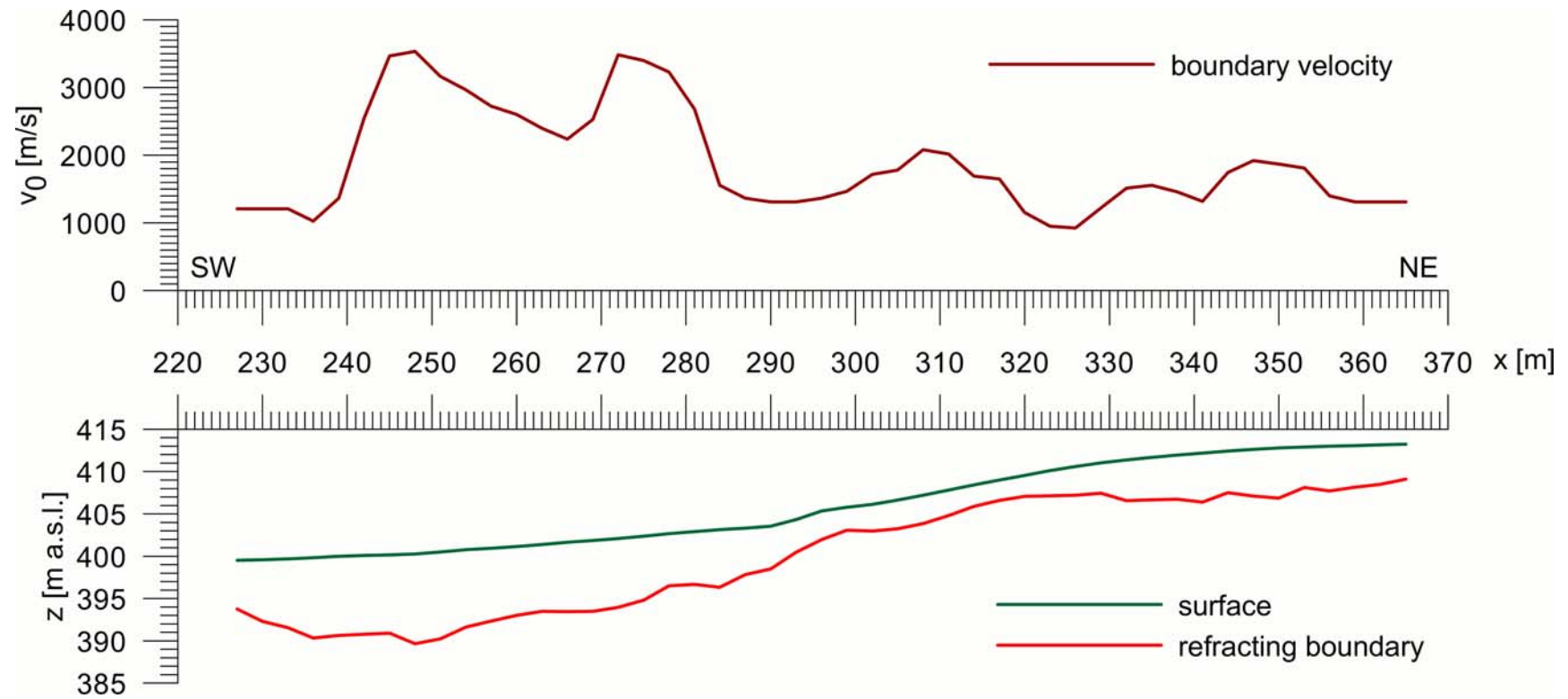


Fig. 4.4: Shallow refraction seismic profile Util-P1. Top - boundary velocity profile. Bottom - refracting boundary solved by t_0 method.

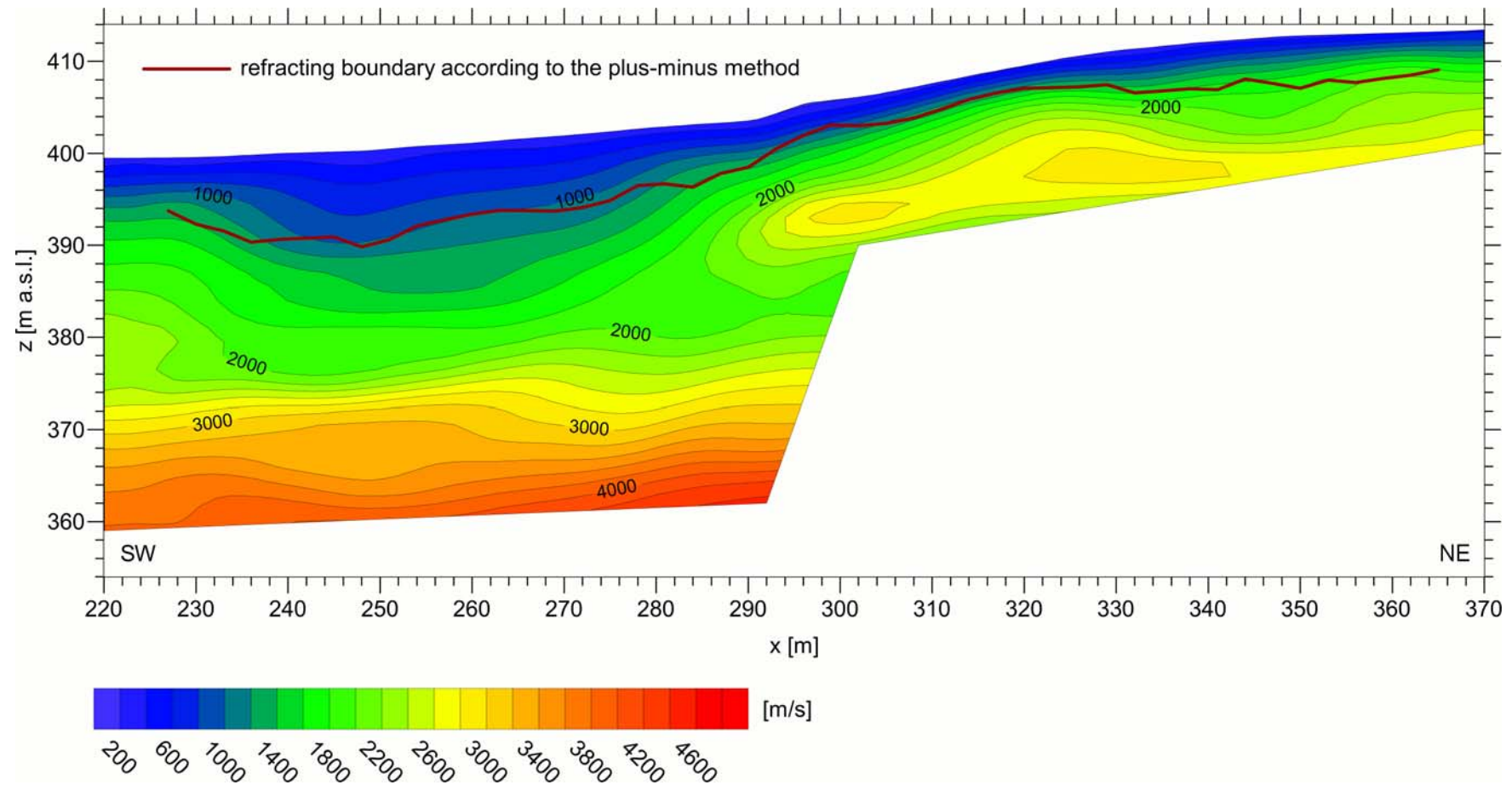


Fig. 4.5: Shallow refraction seismic profile Usil-P1. Surface tomography.

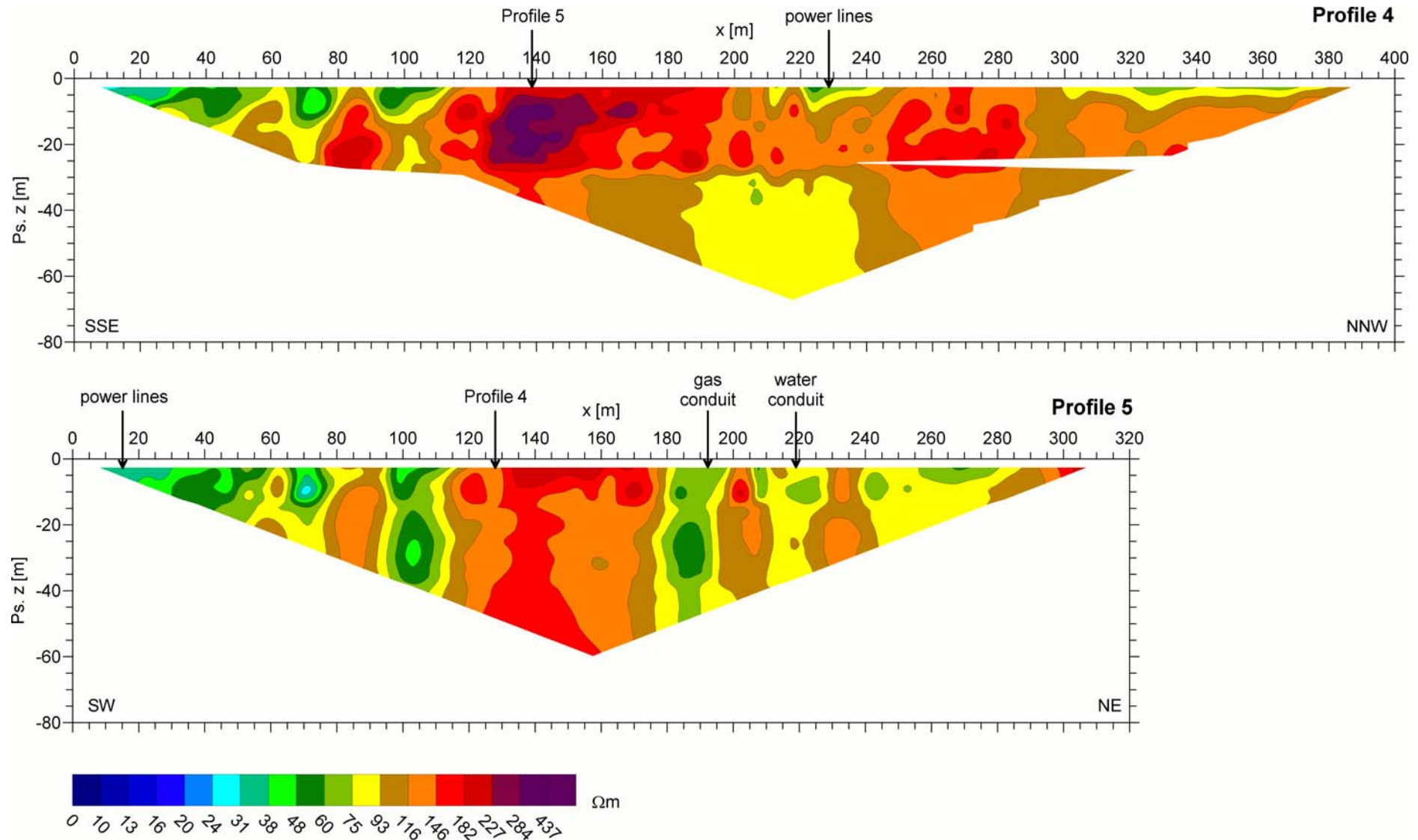


Fig. 4.6: Multi-electrode resistivity profiles Usil-P4 a Usil-P5. Apparent resistivity. Wenner-Schlumberger configuration, electrode spacing 5 m.

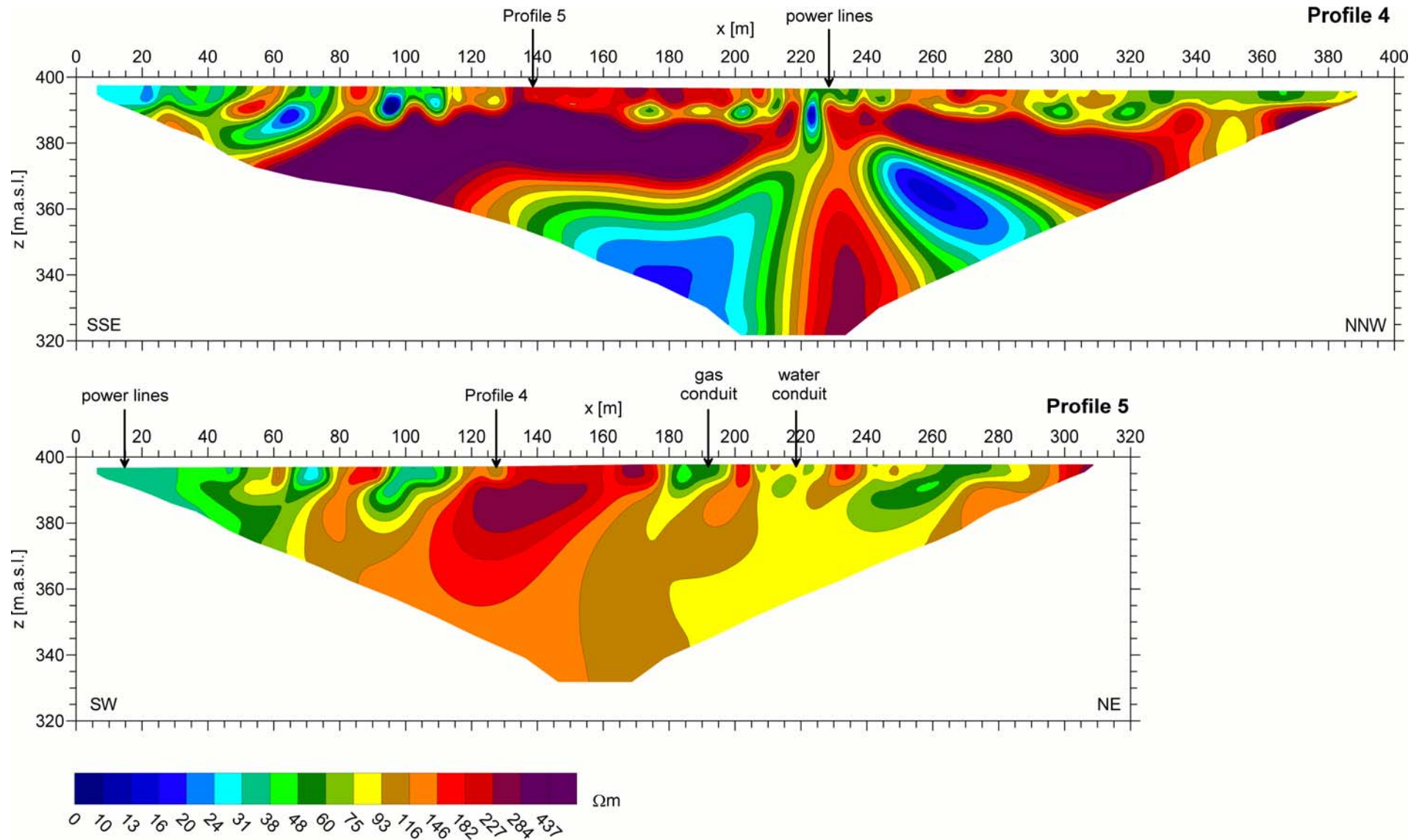


Fig. 4.7: Multi-electrode resistivity profiles Usil-P4 a Usil-P5. Inverted data. Wenner-Schlumberger configuration, electrode spacing 5 m.

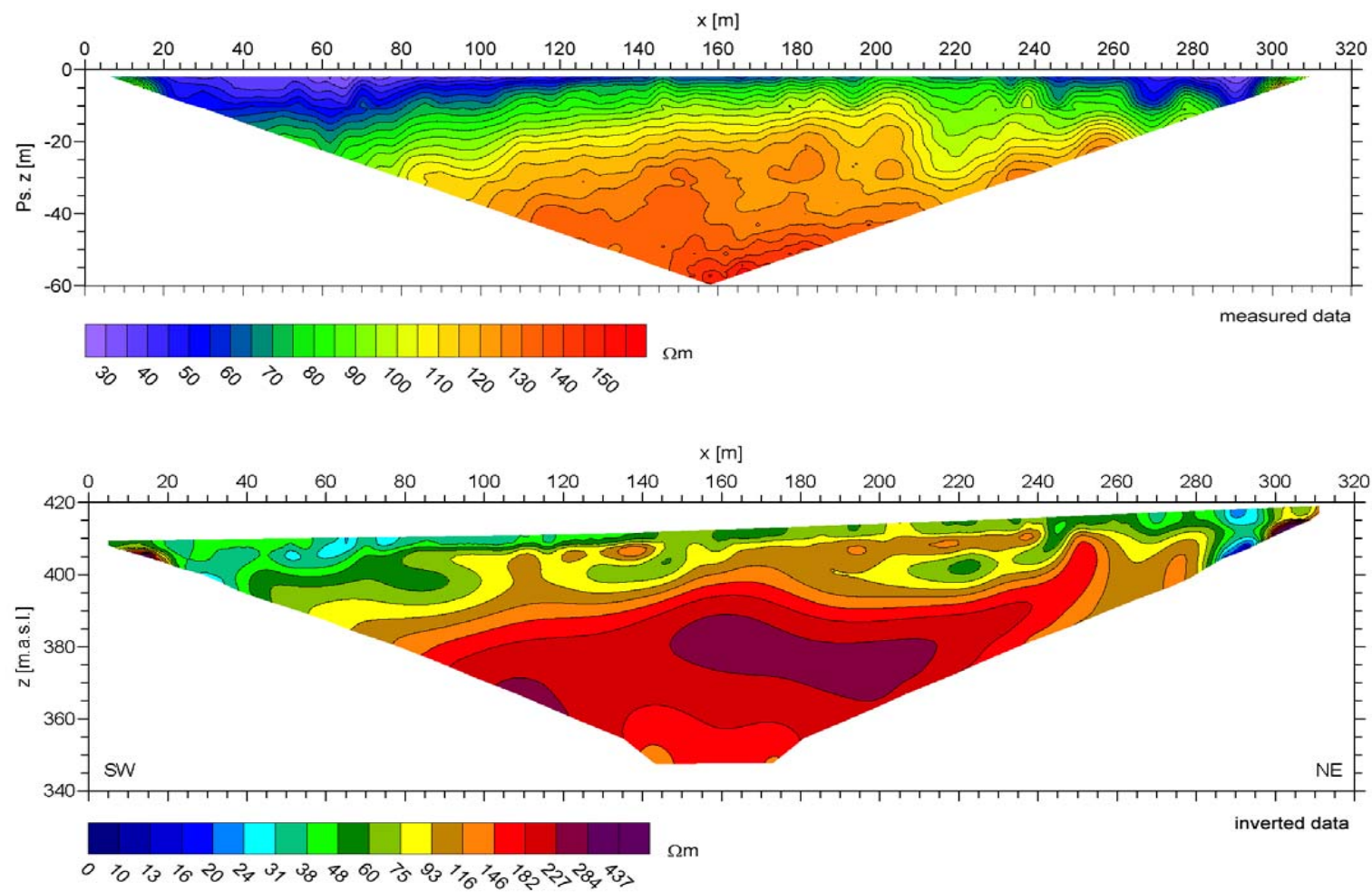


Fig. 4.8: Multielectrode resistivity profile CV-2. Wenner-Schlumberger configuration, electrode spacing 5 m.