



Figure A2. Sensitivity test using forward modeling to check if the variation in the depth of the resistive basement is a required feature in the inversion model of Fig. 9. (a) Section of the edited geoelectric model; (b) comparison between the experimental phases (square symbols for TE mode and triangle symbols for TM mode) with phases from the inversion (continuous lines) and edited (dashed lines) models at site 02; (c) the same as (b) at site 05.