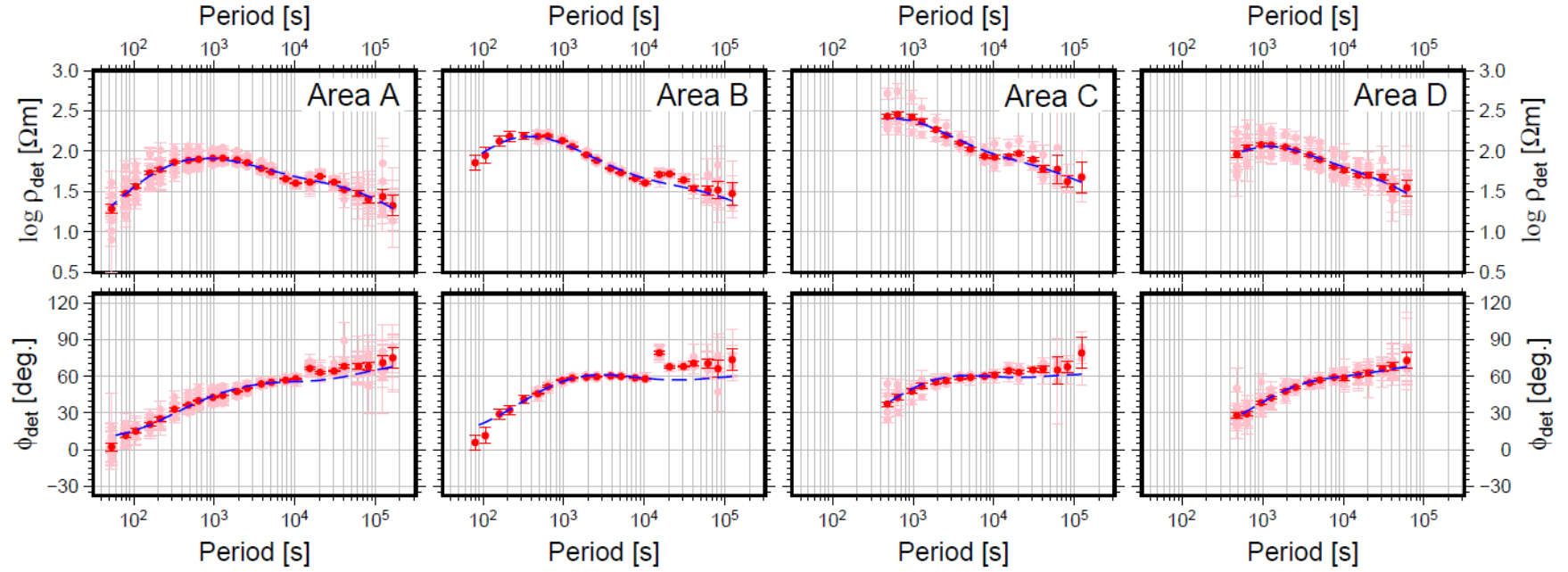




**Figure S3.** Apparent resistivity and impedance phase sounding curves of  $\bar{Z}_{\text{det}}(T)$  (red) and  $Z_{\text{det}}(\mathbf{r}, T)$  for each site (pink) after topographic effect correction for four areas in the northwestern Pacific (Figure 1). Error bars indicate 95% confidence limits. Blue dashed lines are the model responses calculated from the 1-D profiles shown in Figure 11.