

Supplementary materials

Figure S1 Results of the inversion with non-fixed PHS slab resistivity corresponding to Fig.7 and 8 (pp.2)

Figure S2 NMT response functions and result of sensitivity test for each baseline picked up (pp.3-7)

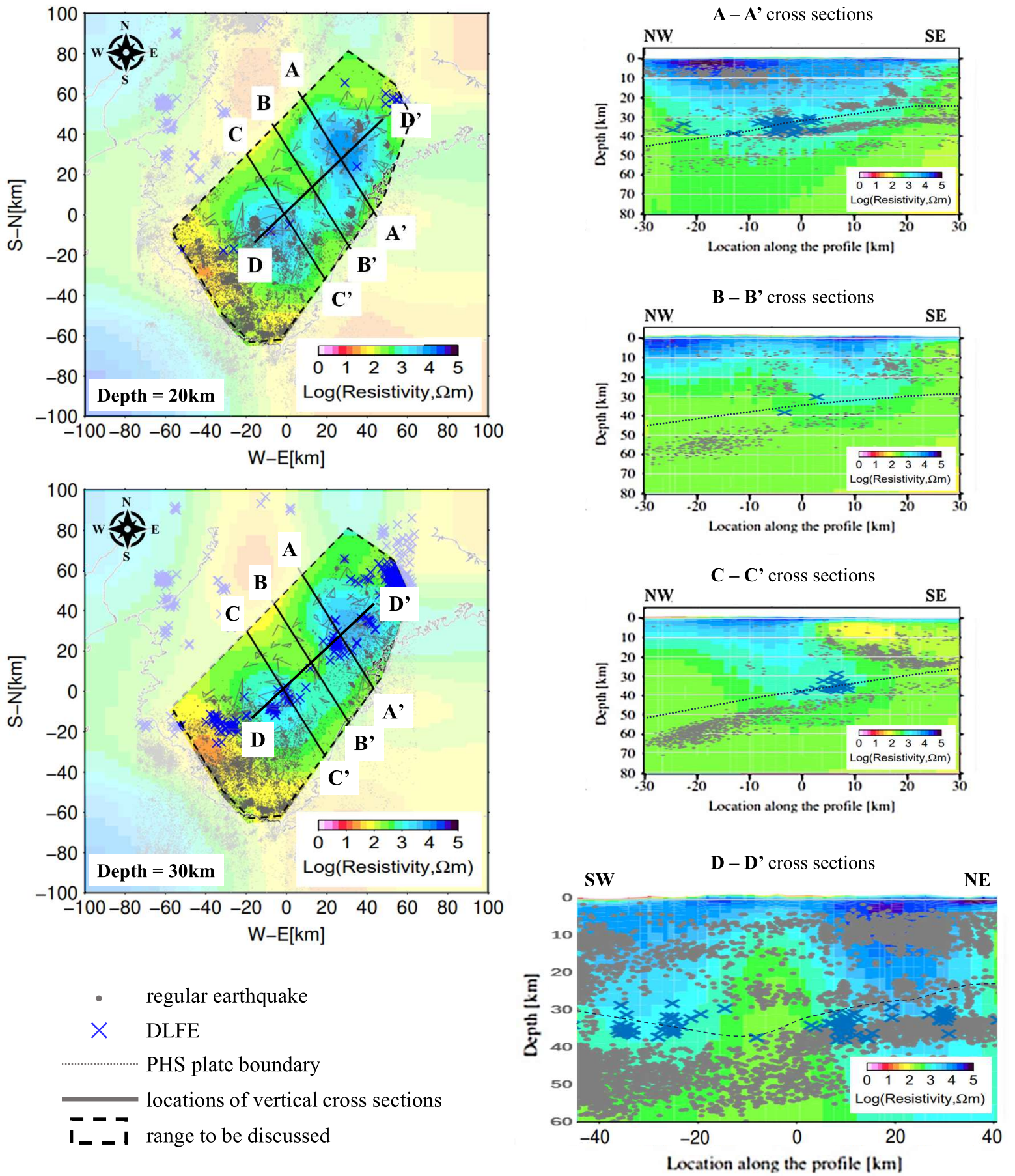


Figure S1 Results of the inversion with non-fixed PHS slab resistivity corresponding to Fig.7 and 8

The results of the non-fixed slab constraint model for all cross sections used in discussion are shown in Figure S1. The structure above the slab, which we discuss in the main text, are almost the same as that of the one-layer constraint model.

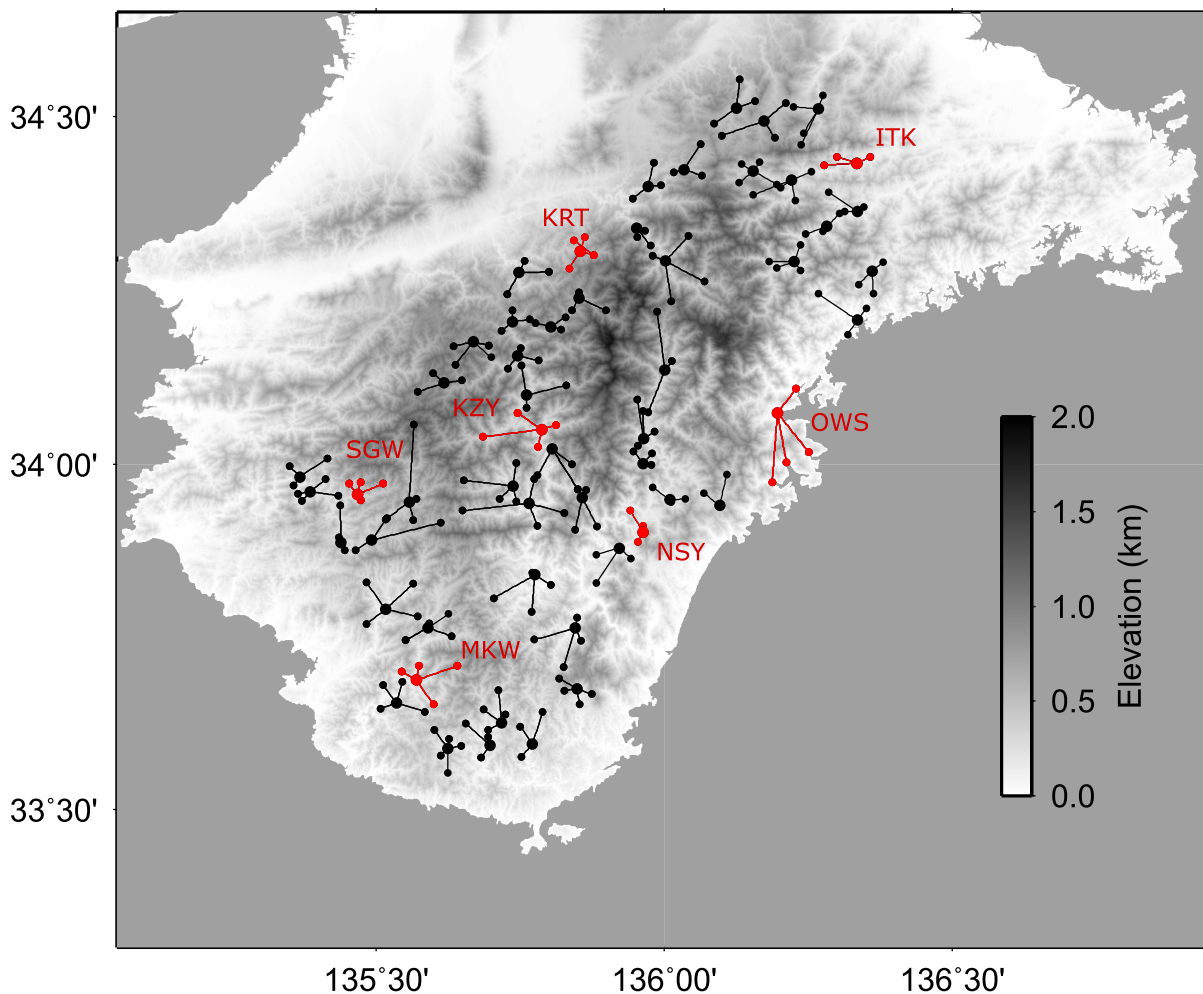


Figure S2 NMT response functions and result of sensitivity test for each baseline picked up

The red baseline on the first figure shows the baseline picked up. The red and blue dots show the input data calculated from the observation data. The orange and green lines show model-predicted values of each inversion calculation.

pp.3 Spatial distribution of Network-MT observation networks picked up on the topographic map
 The observation networks drawn in red were selected.

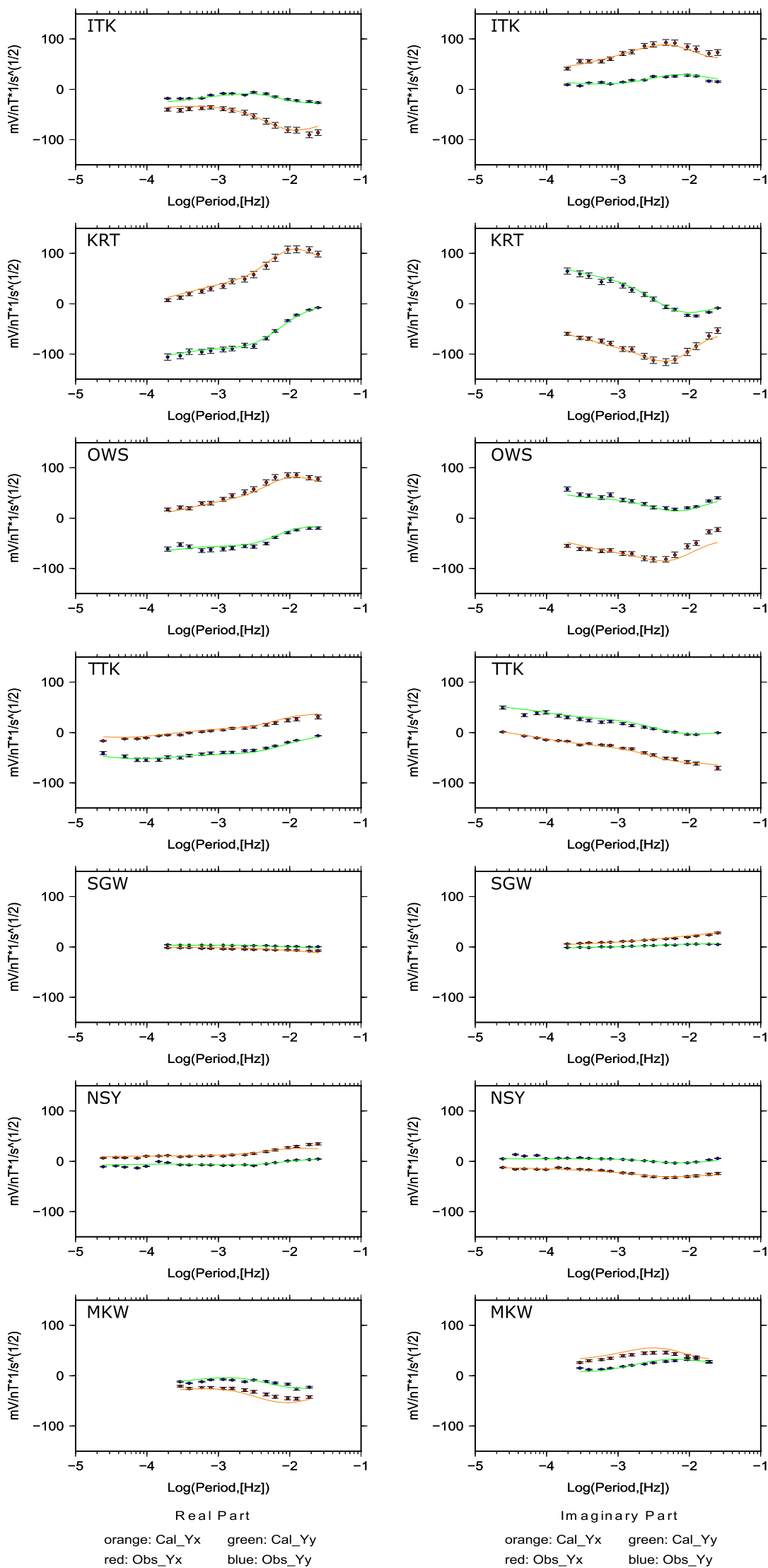
pp.4 NMT response functions of the best model

pp.5 Result of Sensitivity test for C1

pp.6 Result of Sensitivity test for C2

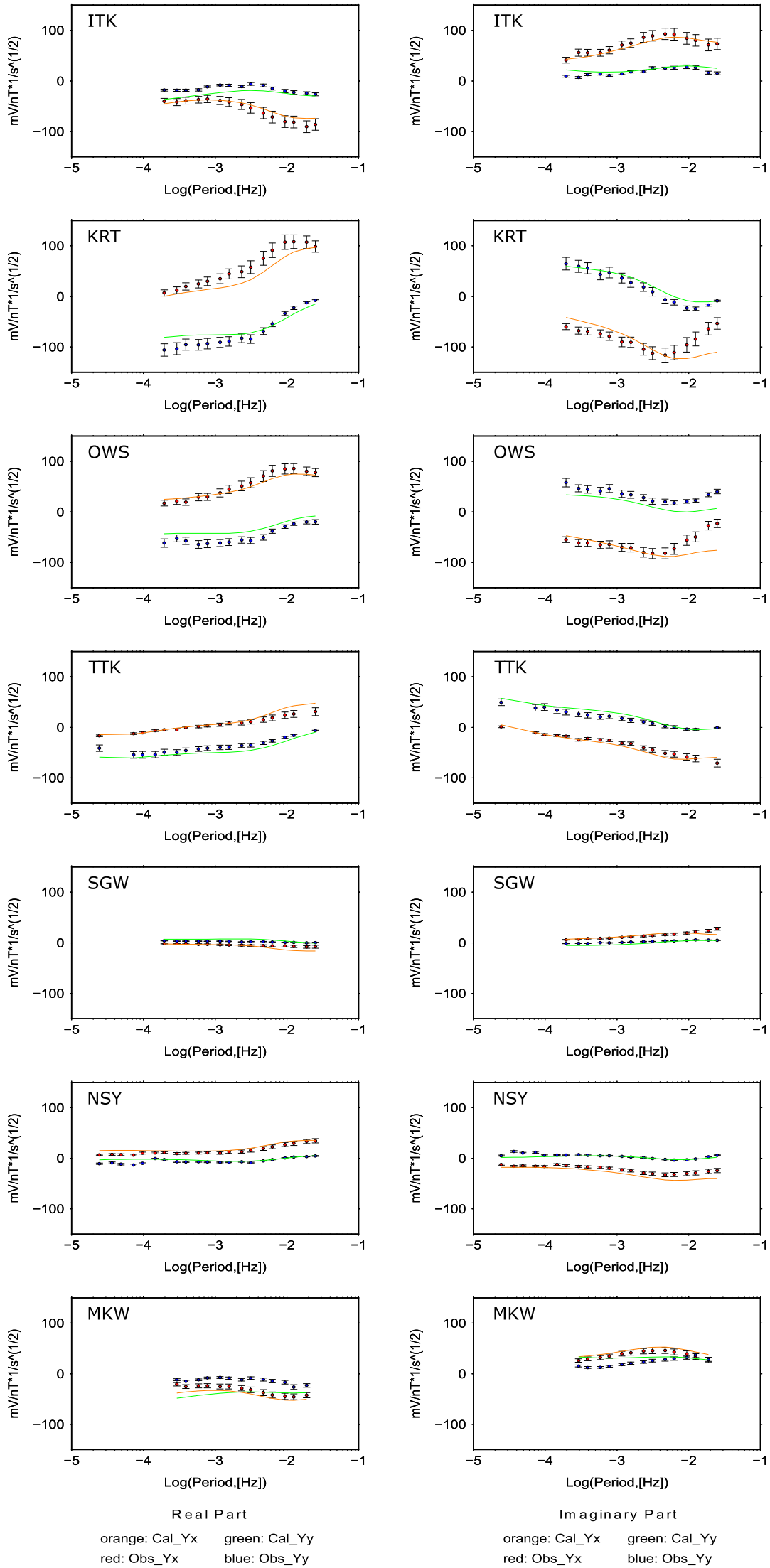
pp.7 Result of Sensitivity test for R1

Fitting curve of best model



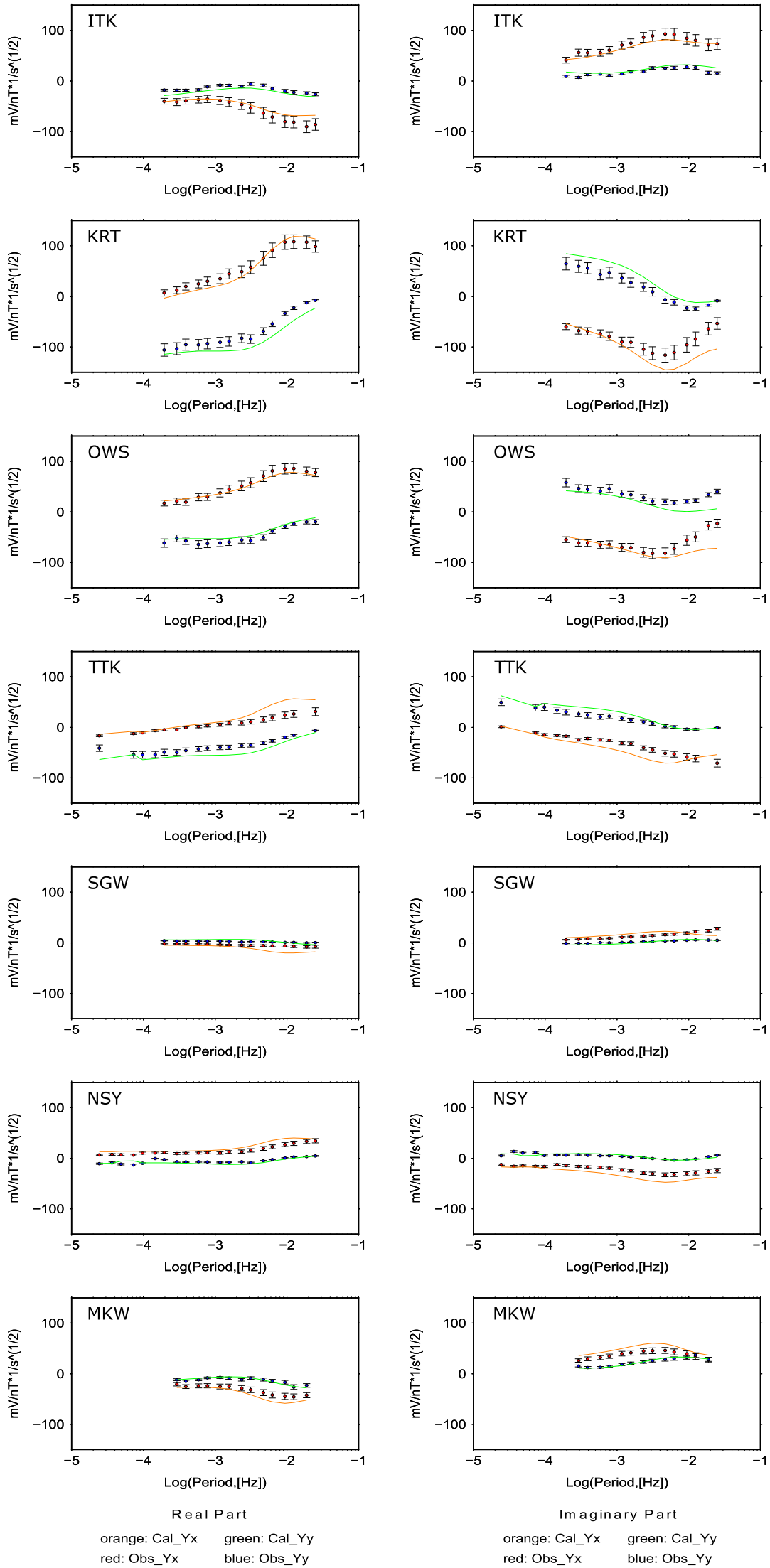
Sensitivity Test

C1



Sensitivity Test

C2



Sensitivity Test

R1

