The preliminary results of velocity structures obtained from ambient seismic noise study in the Aso caldera

Yu-Chih Huang, Takahiro Ohkura, Tsuneomi Kagiyama, Shin Yoshikawa, Hiroyuki Inoue

Aso Volcanological Laboratory, Kyoto University

2017/02/27

Further studies

- Inversion of S-wave velocity structures.
- The obtained velocity structures in this study can be as a reference, which were obtained before latest eruptions.
- More recent seismic data should be easier to observe temporary variations of CCFs, which might be related to the movement of magma or hydrothermal fluid.
- More dense seismic stations might be required to image more detail 3D velocity structures and temporary variations.