

## Upper crustal structure in the southern part of Boso Peninsula revealed by BOSO02 and BOSO05 seismic reflection surveys, Japan

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Reprocessing of BOSO02 (Sato et al., 2005) and BOSO05 (Komada et al., 2006) seismic reflection data has revealed the upper crustal structure in the southern part of Boso Peninsula. The results are summarized as follows:

1. Mineoka zone: The Mineoka group and its associated ophiolitic bodies consist the axial part of the Mineoka zone which dips at about sixty degree southward along. The Hota group and its equivalent occur on both sides of the axial part.
2. Accretionary complex: The Iwai and the Sorogawa faults juxtapose the Mineoka group with the accretionary complex. Both faults make the Iwai-Sorogawa thrust system. Accretionary complex has the s-verging structure composed of 4 major thrusts and associated folds.
3. Off Nojimazaki Sea Mount: A sea mount called the Off Nojimazaki Sea Mount on the Philippine Sea plate is subducting beneath the southernmost part of the Boso peninsula (Komada et al., 2006; Sano et al., 2006). Its northern flank reaches beneath Chikura.
4. There is no lower crust beneath the southern part of the Boso peninsula.