

## How microboudin structures of columnar minerals were produced during retrogressive stage of metamorphism

# toshiaki masuda[1], Nozomi Kimura[2], Yuko Hara[1]

[1] Inst. Geosci., Shizuoka Univ., [2] Inst.Geosciences, Shizuoka Univ.

We performed stress and strain analysis on microboudin structures in three deformed metamorphic rocks. The minerals and lithologies of analysed samples are piemontite in metachert (metamorphic sole beneath the Oman ophiolite), tourmaline in quartz schists (Main Central Thrust Zone in Nepal) and glaucophane in the Aksu metamorphics (China). We briefly discuss the relationship between occurrence of microboudin structures and tectonic setting.

We performed stress and strain analysis on microboudin structures in three deformed metamorphic rocks. The minerals and lithologies of analysed samples are piemontite in metachert (metamorphic sole beneath the Oman ophiolite), tourmaline in quartz schists (Main Central Thrust Zone in Nepal) and glaucophane in the Aksu metamorphics (China). We briefly discuss the relationship between occurrence of microboudin structures and tectonic setting.