

T223-P005

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In-situ observation of dehydration reaction of $\text{Ca}_2\text{Al}_3\text{Si}_3\text{O}_{12}(\text{OH})$ zoisite under atmospheric pressure

Ken'iti Kuroiwa[1]; Tatsuhiko Kawamoto[2]

[1] Earth and Planetary Sciences, Kyoto Univ.; [2] Inst. for Geothermal Sciences, Kyoto Univ.

<http://www.vgs.kyoto-u.ac.jp/InetHome/kawamoto/>

Zoisite is one of important hydrous minerals in basaltic layer in downgoing slab. We heated a single crystal zoisite up to 1200 degree C at 1 atm. Visual observation and Raman spectroscopy will be presented in our poster with an emphasis of importance of kinetics on dehydrating processes.