

Peculiar stress-strain history during intraoceanic thrusting: Wadi Tayin area, Sultanate of Oman

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We found microboudinage structure of tourmaline and piemontite in metacherts from a metamorphic sole beneath the Samail ophiolite, Sultanate of Oman. Our analysis on the microboudinage structure of tourmaline revealed that stress abruptly increased at the end of plastic deformation during the metamorphism. This attitude of stress and strain greatly differs from typical high pressure type metamorphic belts.