

Deformation of high-pressure rocks in the Saih Hatat window, Sultanate of Oman

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Northern part of the Saih Hatat window, Sultanate of Oman, exhibits high-pressure metamorphic rocks derived from pre-Cambrian to Cretaceous shelf sediments and pre-Permian continental basement. These rocks are considered to have been metamorphosed during continental subduction in late Cretaceous time.

We report the deformation structures of these rocks on various scales. S-C structures, asymmetrical structures and occurrence of small shear zones provide us with information on shear sense of the ductile deformation: a southwestward transport direction of the hanging wall is indicated.

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