K1-016 Room: C405 Time: June 8 14:45-15:00

Microstructural analysis of metacherts in the Wadi Tayin area, Sultanete of Oman.

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We analysed microstructures of metacherts in the metamorphic sole beneath the Samail ophiolite in the Wadi Tayin area, Sultanete of Oman. The main results are summarized as follows.

- (1) Foliation is well developed in metacherts. Lineation is not well developed on the foliation surface. We performed a statistical analysis of the lineation with the von Mises distribution. We determined the orientation of the mineral lineation and the concentration parameters of the metacherts.
- (2) Mica fish occur in metacherts cut parallel to the lineation and perpendicular to the foliation. Asymmetrical shape of mica fish indicates that the ophiolite moved toward SW.
- (3) C-axis preferred ocientaiton pattern of quartz were measured for 10 samples in order to kneo the shear sense. Three samples show no distinct obliquity to the foliation and lineation, 5 samples show top to SW sense movement, and 1 sample shows top to NE sense movement.
- (4) Intensity parameter of the lineation is stronger in the middle, metachert rick horizons, and it decreases toward top and bottom.