

Rocks and metamorphism of lower continental crust

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anticlockwise pressure-temperature-time paths followed by high-grade regional metamorphic rocks suggest underplating of basaltic magmas during metamorphism and later isobaric cooling. Basaltic granulites, however, cool down into the thermodynamic stability field of eclogite without undergoing transformation to eclogites in many cases. Deformation and fluid access may play an important role in the transformation.