

High-Mg pelitic granulite of the Lewisian complex in South Harris: Evidence for pressure increase P-T path.

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Three types of High-Mg pelitic granulites have been found in South Harris, NW Scotland. They indicate ultra-high temperature conditions based on their mineral assemblage and mineral chemistry. Furthermore, inclusions within porphyroblastic minerals suggest that the metamorphic condition has been changed from medium-pressure at high-temperature to high-pressure at high-temperature conditions. The inferred P-T path is distinctive from those of previously reported ultrahigh temperature terranes. The preservation of the various kind of inclusion mineral probably reflects the shortening of continuous time during high temperature conditions.