

Active slip systems in olivine subgrains and recrystallized grains in the Uenzaru peridotites

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We investigated active slip systems in olivine subgrains and recrystallized grains in the Uenzaru peridotites by means of two ways; inverse pole figures of inferred shear directions and shear planes with respect to crystallographic axes, and orientations of tilt walls and crystallographic axes of subgrains on their both sides. The results indicate activation of several slip systems of $\{0kl\}[100]$ type with $\{032\}[100]$ or $\{011\}[100]$ being dominant. $\{0kl\}[100]$ systems dominated by $\{032\}[100]$ or $\{011\}[100]$ must therefore be active under the conditions which favor dislocation climb and subgrain rotation recrystallization.