

Equilibrium conditions of lawsonite-eclogitic rock in the New England Fold Belt, eastern Australia

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Early Paleozoic Lawsonite-eclogites occur as blocks in serpentinite melange zone of the New England Fold Belt, eastern Australia. Pressure-temperature conditions at metamorphic climax are estimated at 420C/2.0 GPa - 570C/2.4 GPa. The dP/dT of prograde P-T path was about 1.0 (GPa/100C) at early stage and decreased to 0.5 (GPa/100C) just before the metamorphic climax.