

## Seismic structure of the mantle transition zone beneath the South Pacific Superswell

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We analyzed ScS waves to determine seismic structure of the mantle transition zone beneath the South Pacific Superswell. Reflected waves at "410km" and "660" are detected to determine a thickness of the mantle transition zone. The mantle transition zone there is thinner than the global average by 20 km, suggesting higher temperature under the South Pacific hotspots.