

upper mantle heterogeneities from pdf

600 km giving insight into the 3D structure of the upper mantle. These data are confronted with the requirements of the CTBT for 3D regional seismic models of the lithosphere-asthenosphere system.

Upper Mantle Heterogeneities from Active and Passive

upper mantle is homogeneous and is the source region for mid-oceanic ridge basalts. Hot spot volcanoes tap plumes ascending from some layer at depth, probably the lower mantle.

Tapping of Magmas from Ubiquitous Mantle Heterogeneities'

heterogeneities at various levels in the upper mantle and their implications for physical, chemical properties of tectonic models and for the global monitoring system and its calibration within the CTBT were the centre points of

Upper Mantle Heterogeneities from Active and Passive

It is found that the lateral heterogeneities of velocities and anisotropies in the upper mantle are dominated down to 250-30 km by plate tectonics with slow velocities below ridges, high ...

Upper mantle heterogeneities in Africa deduced from

47 Chapter 2 Origin of Lateral Heterogeneities in the Upper Mantle Beneath South-east Australia from Seismic Tomography N. Rawlinson, B.L.N. Kennett, M. Salmon and R.A. Glen

Chapter 2 Origin of Lateral Heterogeneities in the Upper

Mantle Heterogeneities and the SCEC Reference Three-Dimensional Seismic Velocity Model Version 3 by M. D. Kohler, H. Magistrale, and R. W. Clayton Abstract We determine upper mantle seismic velocity heterogeneities below ... Mantle Heterogeneities and the SCEC Reference Three-Dimensional Seismic Velocity Model Version 3 759

Mantle Heterogeneities and the SCEC Reference Three

Upper mantle heterogeneities in the Indian Ocean from waveform inversion. Authors. ... In a second step, the models related to the different paths are used in a tomographic inversion to map the 3-D upper mantle structure. The 3-D velocity model has a lateral resolution of 1000 km. No significant velocity anomalies are found below 300 km ...

Upper mantle heterogeneities in the Indian Ocean from

R Pillet, D Rouland, G Roullet and D.A Wiens, Crust and upper mantle heterogeneities in the southwest Pacific from surface wave phase velocity analysis, Physics of the Earth and Planetary Interiors, 110, 3-4, (211), (1999).

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