



Data and analysis

718 locall events (3.1 < M < 6.6) with depths larger than 50 km, recorded by MASE, VEOX and SSN stations.

Attenuation

We use spectral decay method [Eberhart-Phillips and Chadwick, 2002] to determine the attenuation parameter $t^* = t/Q$, assuming a Brune-type source.



fig. Examples of signals, noises, and fittings for some seismograms.

Velocity

Direct P wave arrival picked on HHZ (BHZ) component Direct S wave arrival picked on HHT (BHT) component

Inversion







tomography, etc.

3D attenuation and velocity structure of the Cocos subduction zone in Mexico

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local, teleseismic body wave, surface wave and noise tomography; attenuation structure from local

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