

# Lg wave attenuation across Indo-Eurasian Collision Zone

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This supplementary document contains supporting information for the poster.

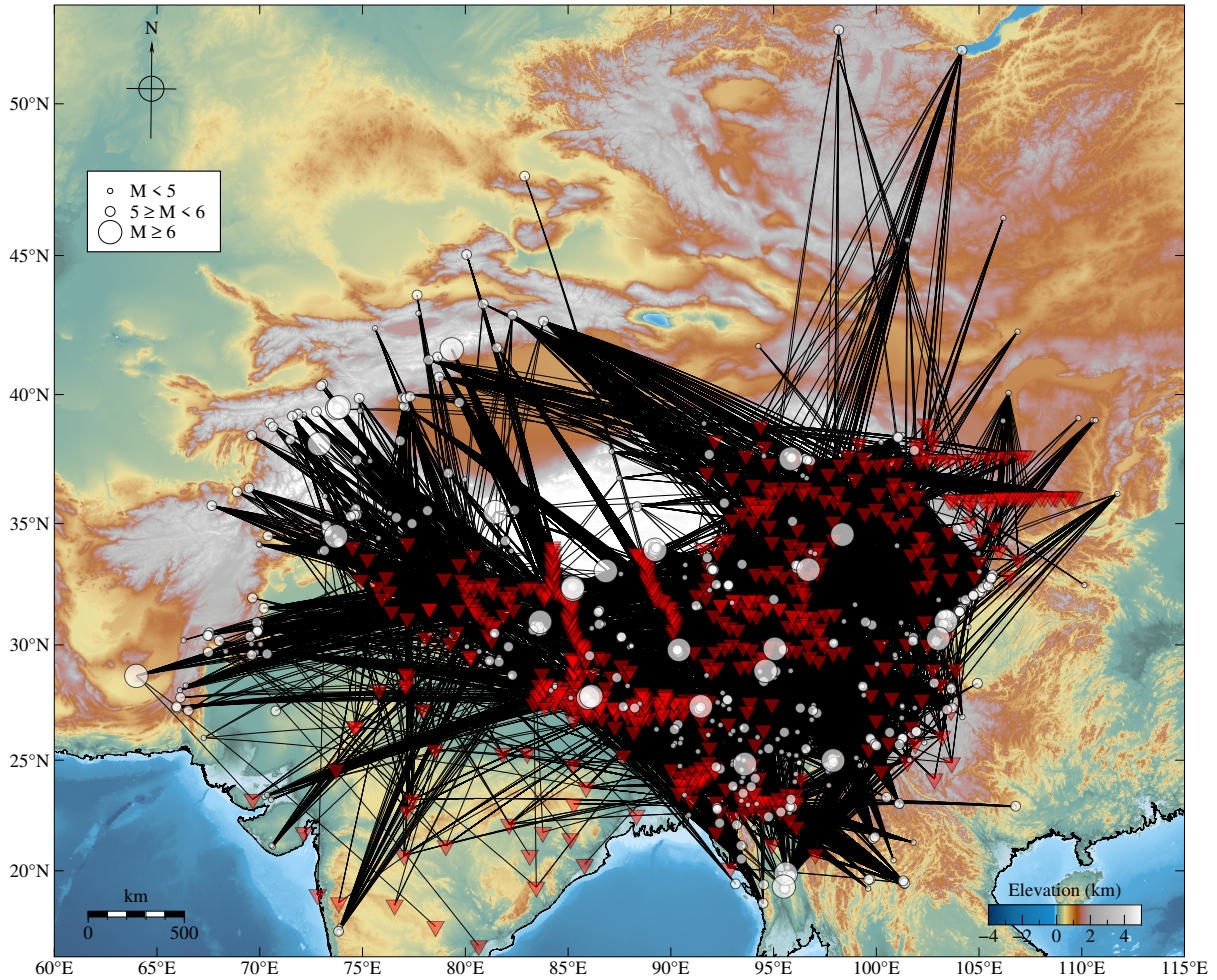


Figure S1: Raypath distribution across the study region following the Two-Station Method (TSM) [Xie et al., 2004]. The plotted raypaths are restricted to an azimuthal collinearity limit of  $15^\circ$ . Red inverted triangles depict the stations, and white circles represent the earthquake epicenters.

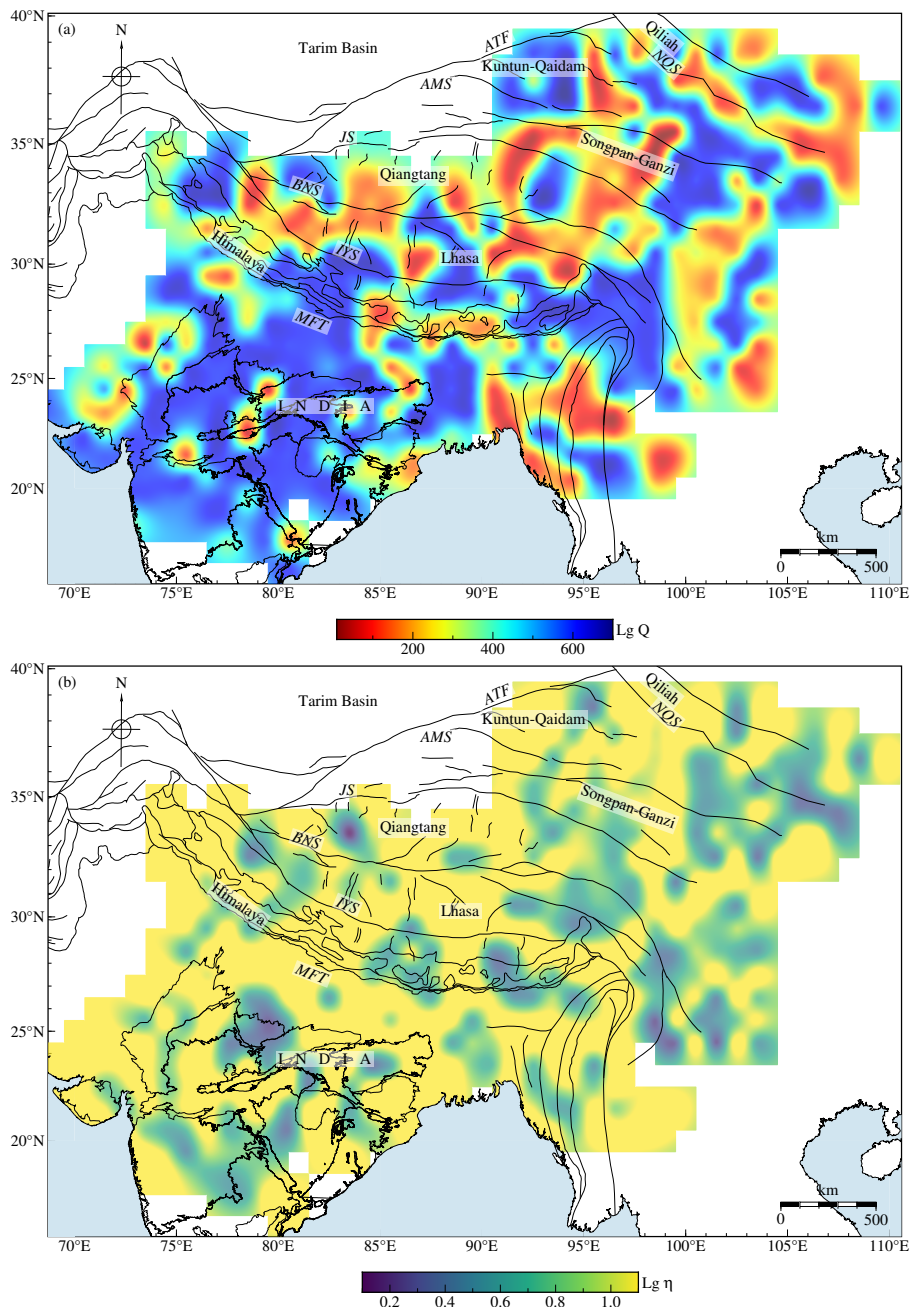


Figure S2: Spatial distribution of  $L_g$ -wave attenuation across the study region. (a) Lateral variation of  $L_g Q_0$  at 1 Hz. (b) Spatial distribution of the frequency dependence parameter  $\eta$ .

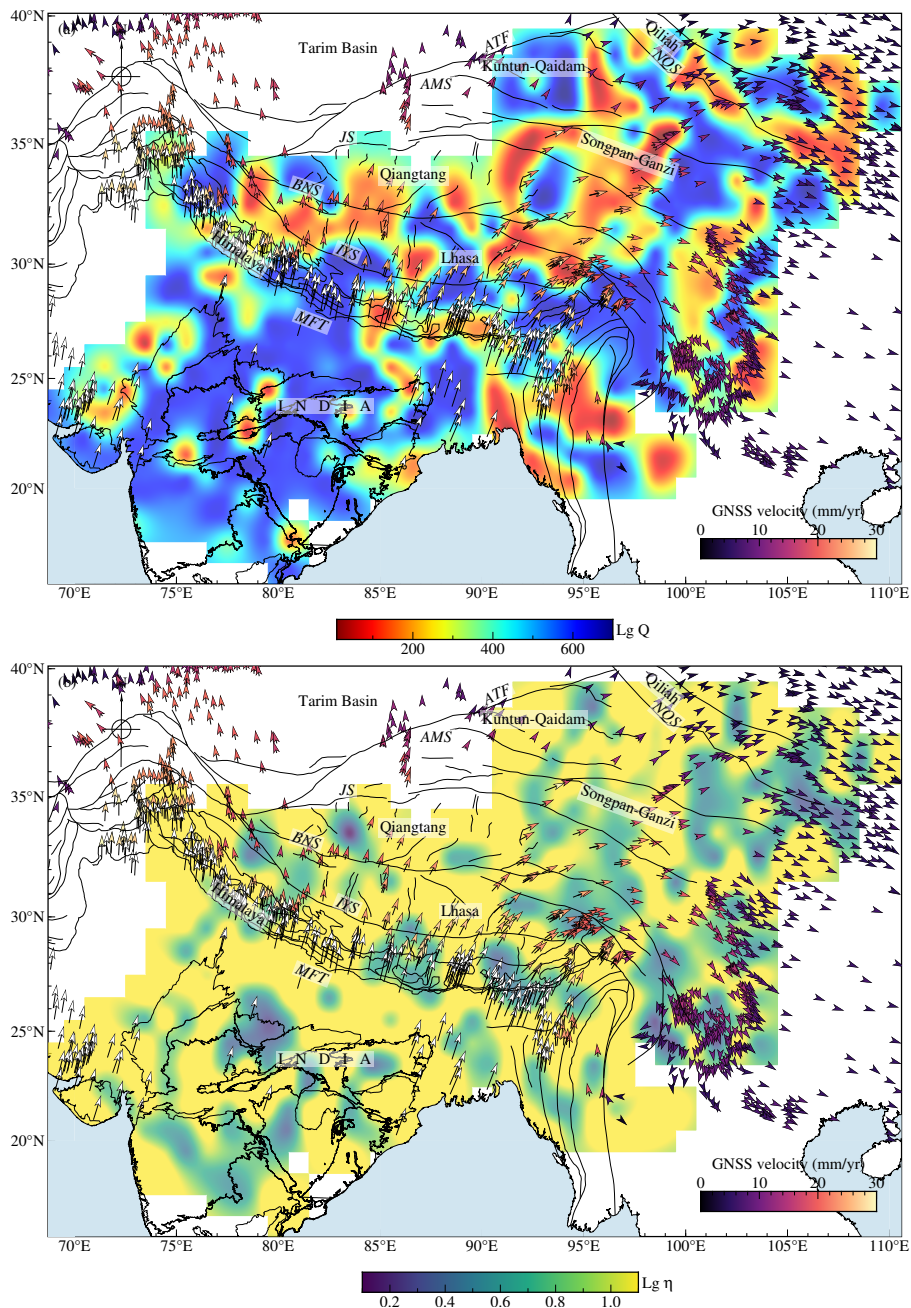


Figure S3: The background maps show the results of the  $L_g$  tomography for (a)  $Q_0$  and (b) the frequency dependent parameter  $\eta$ . Superimposed on both panels are the Eurasia-fixed GPS velocity vectors [Wright et al., 2025], illustrating the relationship between the observed attenuation anomalies and the surface velocity field.

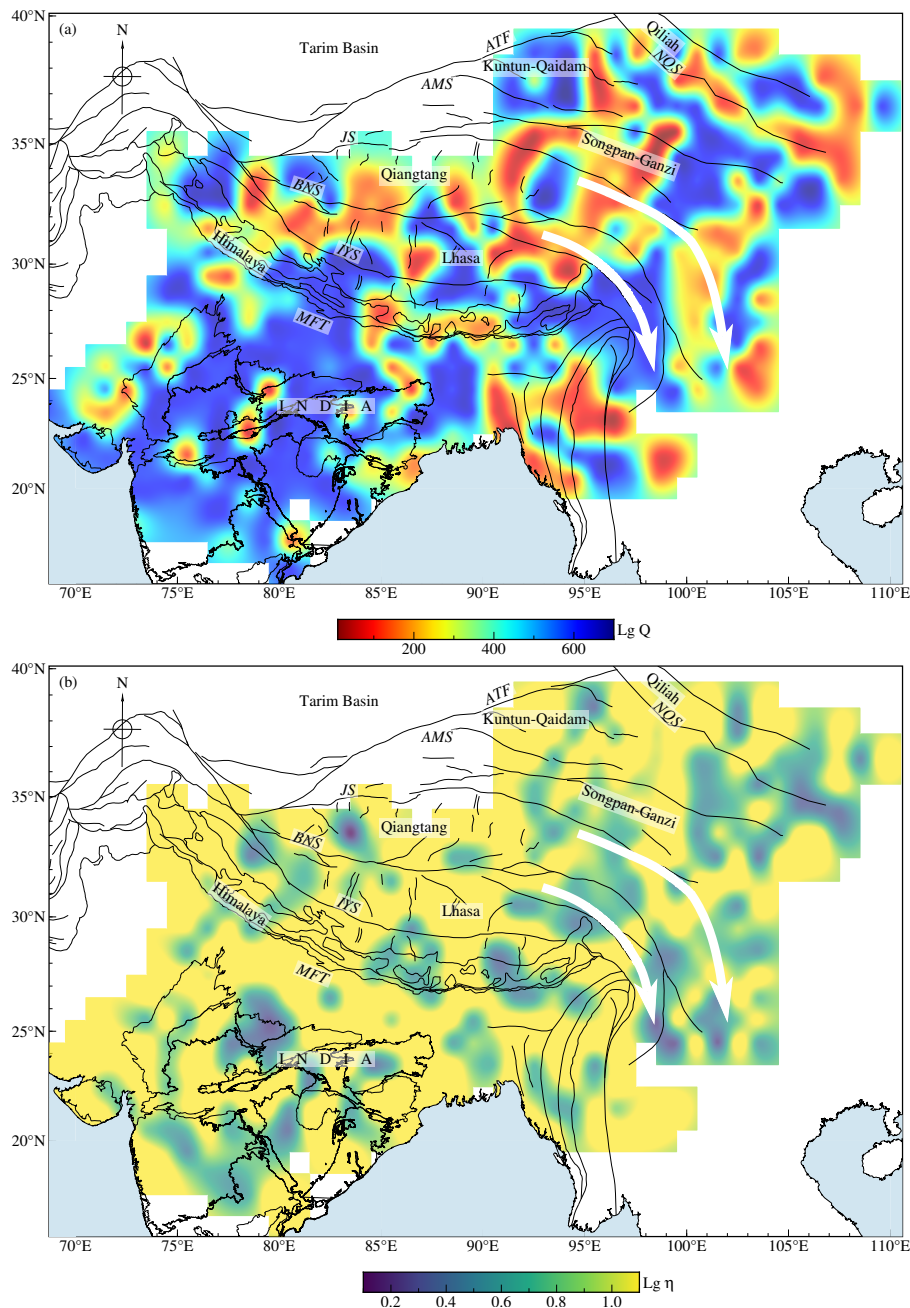


Figure S4: White arrows depict crustal flow directions inferred from magnetotelluric imaging [Bai et al., 2010]. These pathways align spatially with the low  $Q_0$  (a) and low  $\eta$  (b) anomalies observed in our study, supporting the potential presence of ductile crustal flow.

## References

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