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*Supplement of*

## **Terrigenous material supply to the Peruvian central continental shelf (Pisco 14° S) during the last 1100 yr: paleoclimatic implications**

**F. Briceño Zuluaga et al.**

*Correspondence to:* F. Briceño Zuluaga ([franciscojavier@id.uff.br](mailto:franciscojavier@id.uff.br))

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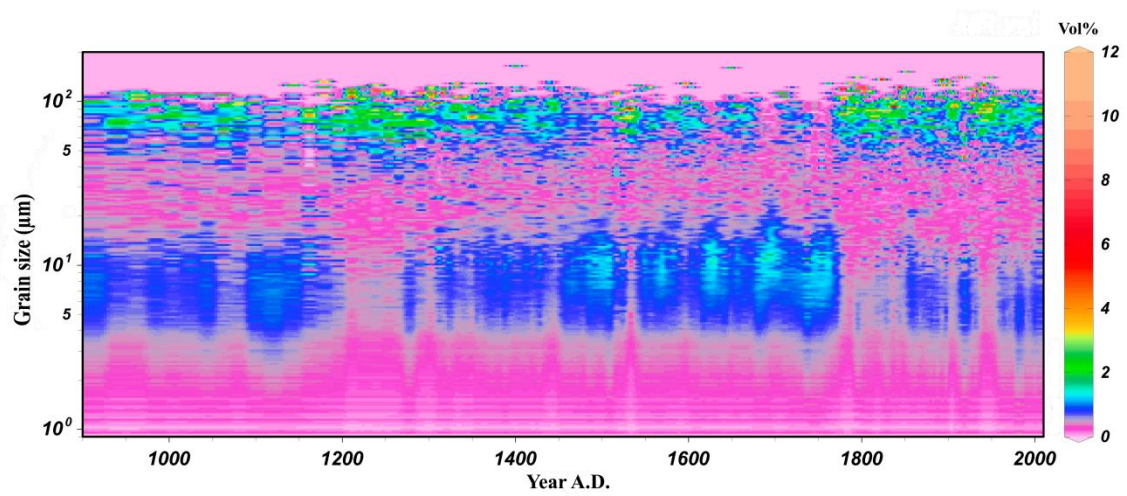


Figure S1: Grain-size data distribution corresponding to the entire record (overlapping of the B040506 and G10-GC-01 sediment core). Two modes of grain sizes are apparent. A first one with finest grains range from  $\sim 2$  to  $15 \mu\text{m}$ ; and the second one with coarser grains varied between of  $\sim 50$ - $120 \mu\text{m}$ .

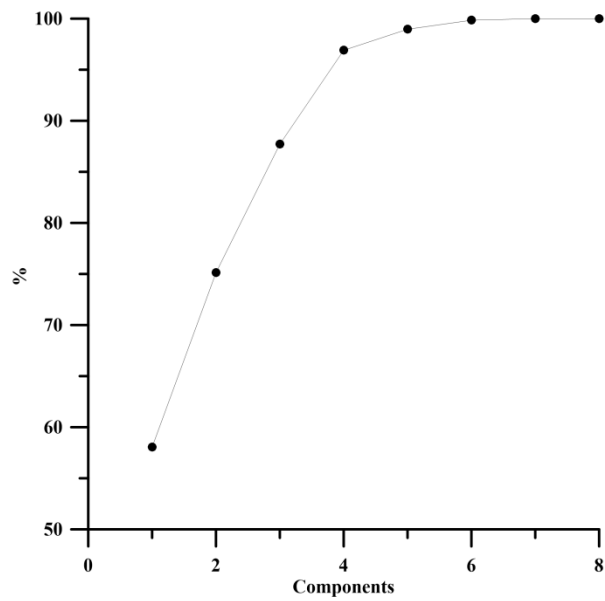


Figure S2: Variability proportion (coefficient of determination) obtained by principal components analysis (PCA) based on grain-size classification of Wentworth (1922). Four components can explain 97% of the total variability of the samples.