

SUPPLEMENTAL MATERIAL FOR

SUPPLEMENTARY INFORMATION FOR “DEEP SHEAR WAVE VELOCITY MODEL OF THE VENICE LAGOON FROM SEISMIC NOISE INTERFEROMETRY”

Ilaria Barone¹, Silvia De Marchi¹, Piero Poli¹, Jacopo Boaga¹

(1) University of Padua, Department of Geosciences, Padova, Italy

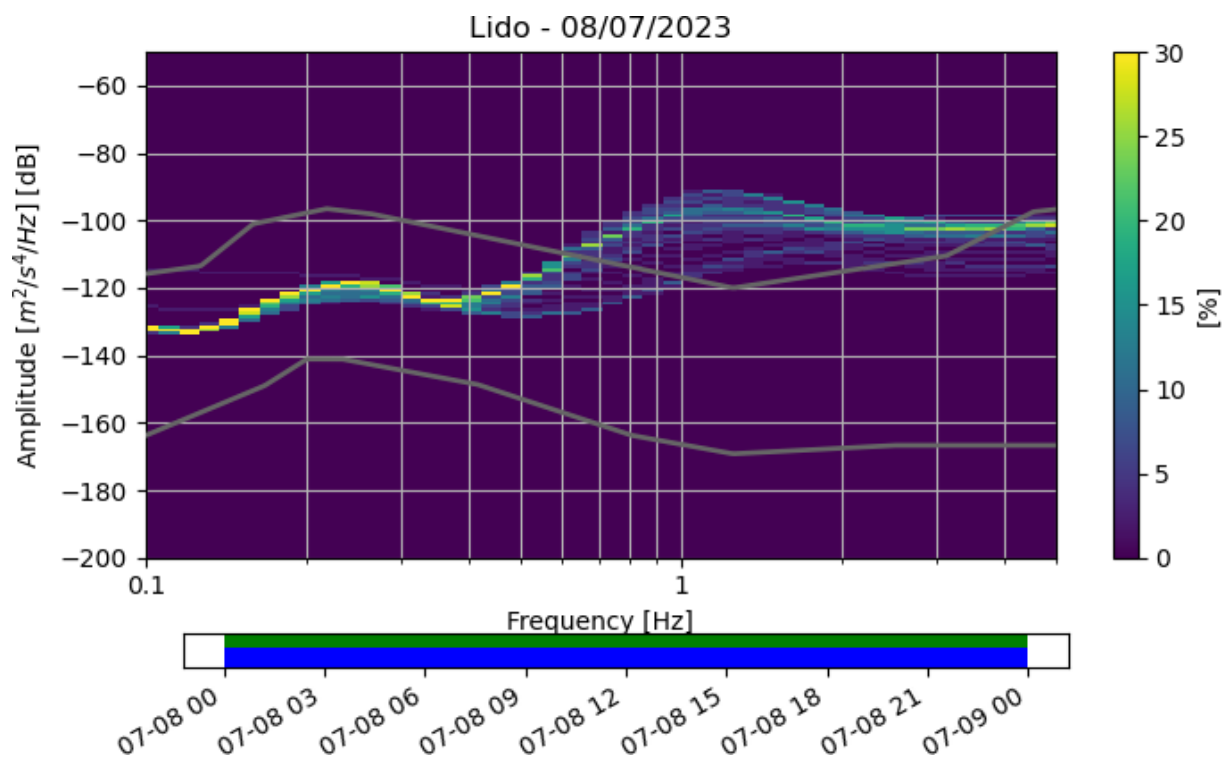


Figure S1. PPSPD of the Lido station for the first day of recording (8 July 2023) and vertical component. The two grey lines are the New Low Noise Model (NLNM) and the New High Noise Model (NHNM).

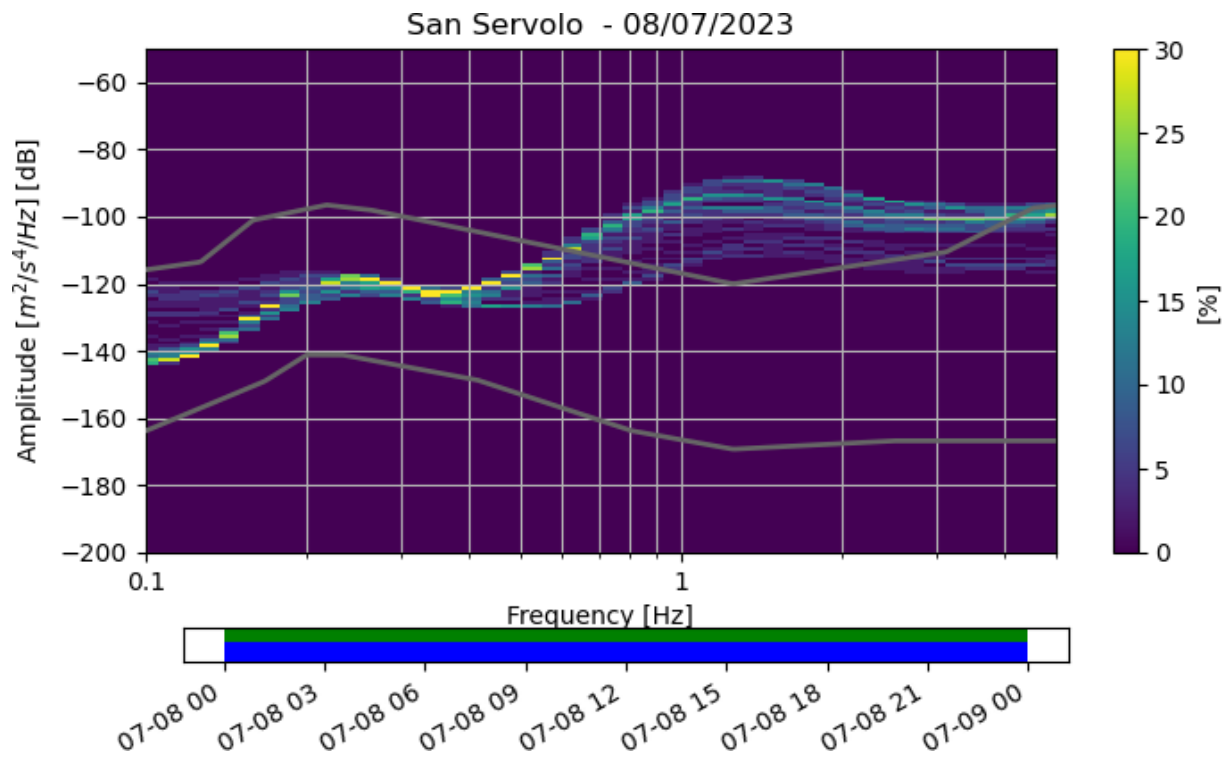


Figure S2. PPSD of the San Servolo station for the first day of recording (8 July 2023) and vertical component. The two grey lines are the New Low Noise Model (NLNM) and the New High Noise Model (NHNM).

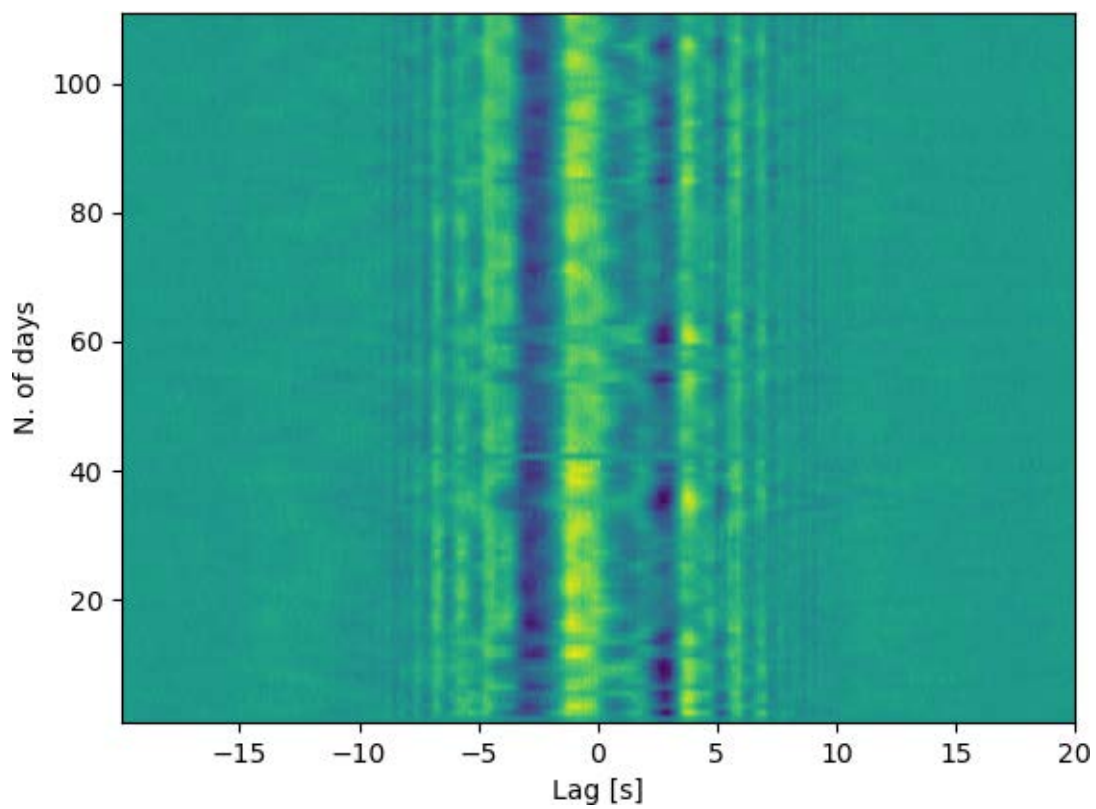
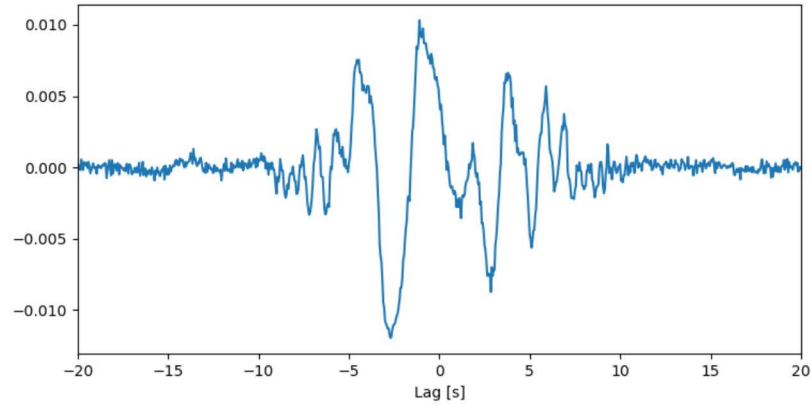
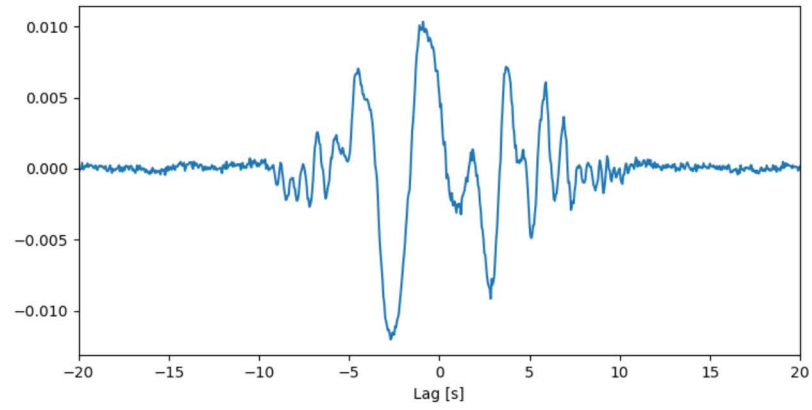


Figure S3. Daily cross-correlations for the whole recording period and vertical component.

(a)



(b)



(c)

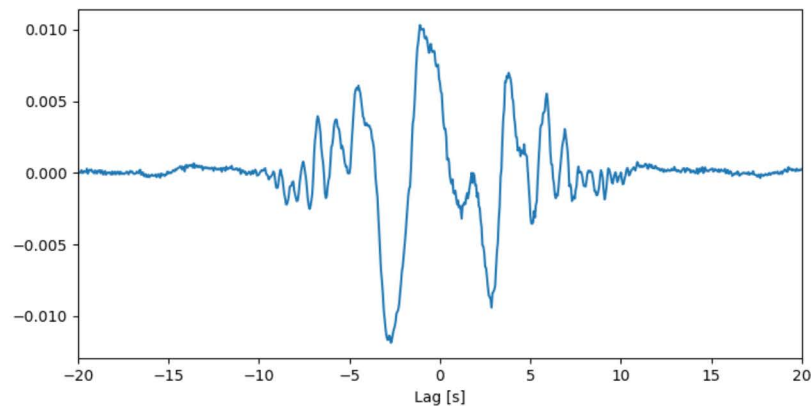


Figure S4. Stacked cross correlations for a period of (a) 1 week, (b) 1 month, (c) 3.5 months. Please note the stability of the Empirical Green Function, and its progressively higher S/N ratio.