

Supplementary for "Can a single coastal tide gauge help  
predict internal solitary wave activity offshore"

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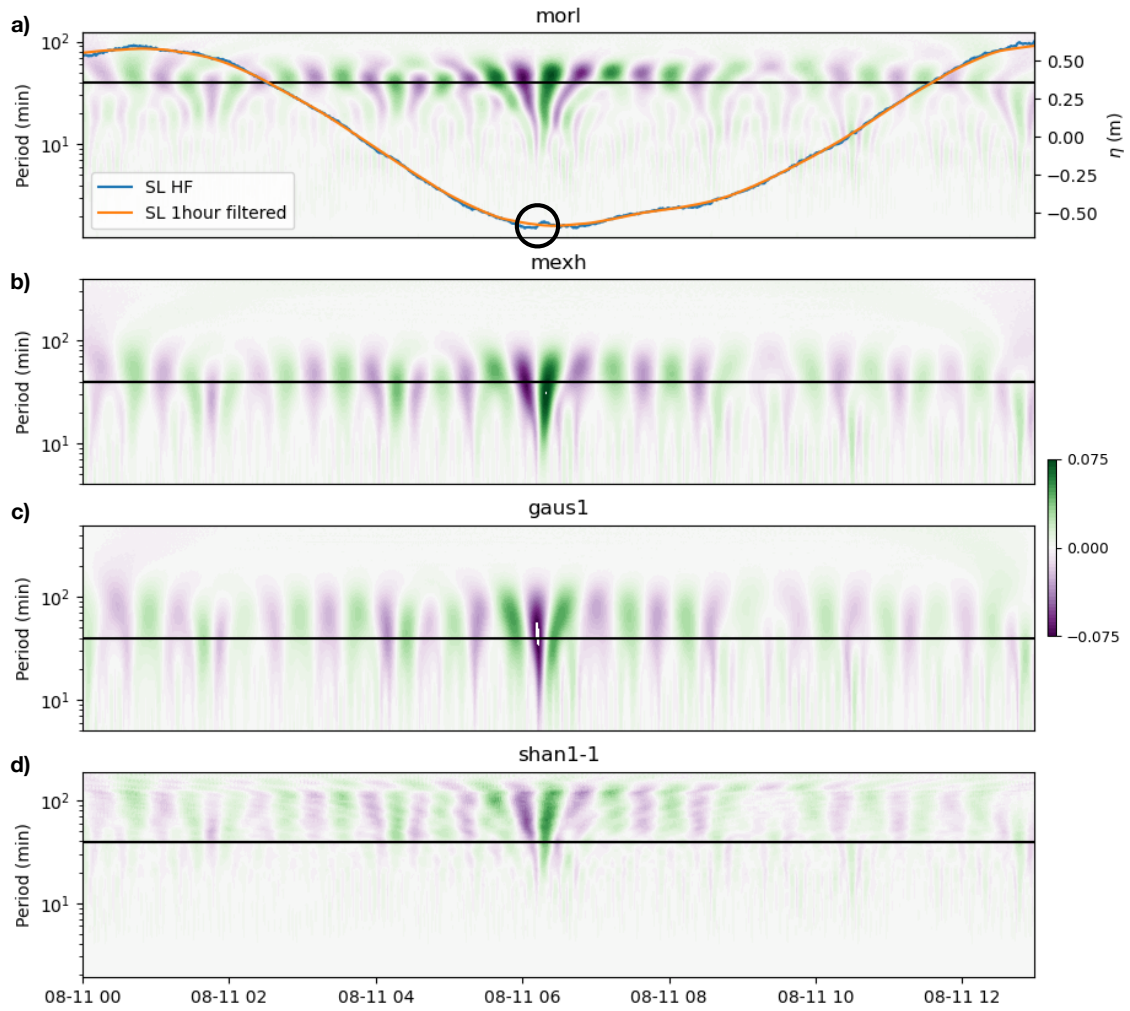


Figure S1: Test of different mother wavelet for the situation presented in Fig. 2 middle 11th August 2022 morning. The full wavelet decomposition is presented for (a) Morlet, (b) Mexican hat, (c) Gaussian, (d) Shannon mother wavelets. High frequency (blue curve) and 1 hour filtered sea level (SL) at Tarifa tide gauge is superimposed on panel a.

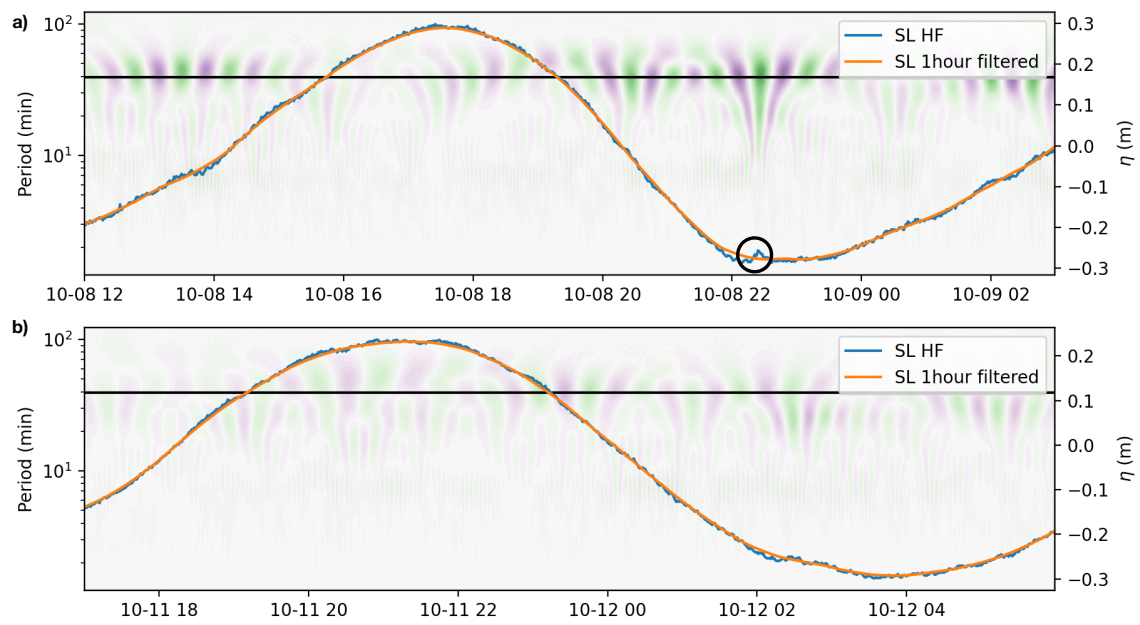


Figure S2: Wavelet analysis for 2 different tides presented in the paper. The first situation depicts an ISW detection while the second does not.