Supplement of

Extreme wave analysis based on atmospheric pattern classification: an application along the Italian coast

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S1. Average MSLP for the $H_s$ peaks of WP#2. Panel A): La Spezia (B1), $\Delta t$ equals 12 hours; panel B) Alghero (B2), $\Delta t$ equals 12 hours; panel C): La Spezia, $\Delta t$ equals 0 hours; panel D): Alghero, $\Delta t$ equals 0 hours.
S2. Average MSLP for the $H_s$ peaks in Ponza (B3). Panel A): WP#1, $\Delta t$ equals 12 hours; panel B) WP#2, $\Delta t$ equals 12 hours; panel C): WP#1, $\Delta t$ equals 0 hours; panel D): WP#2, $\Delta t$ equals 0 hours.
S3. Average MSLP for the $H_s$ peaks in Catania (B5). Panel A): WP#1, $\Delta t$ equals 12 hours; panel B) WP#2, $\Delta t$ equals 12 hours; panel C): WP#1, $\Delta t$ equals 0 hours; panel D): WP#2, $\Delta t$ equals 0 hours.
S4. Average MSLP for the $H_s$ peaks in Crotone (B6). Panel A): WP#1, $\Delta t$ equals 12 hours; panel B) WP#2, $\Delta t$ equals 12 hours; panel C): WP#1, $\Delta t$ equals 0 hours; panel D): WP#2, $\Delta t$ equals 0 hours.
S5. Average MSLP for the $H_s$ peaks in Ortona (B8). Panel A): WP#1, $\Delta t$ equals 12 hours; panel B) WP#2, $\Delta t$ equals 12 hours; panel C): WP#1, $\Delta t$ equals 0 hours; panel D): WP#2, $\Delta t$ equals 0 hours.
S6. Monthly number of events for different WP. The panels show in the upper left corner the code of the location they refer to.
S7. Scatter plot of $H_s$ and $\theta_m$ due to different WP. The panels show in the upper left corner the code of the location they refer to.
S8. Omni-WP extreme value distributions of $H_s$ obtained from the whole set of peaks (black) and from combining single-WP distributions (red), along with 90% confidence intervals (grey shadow and red dashed lines, respectively). The panels show in the upper left corner the code of the location they refer to.