



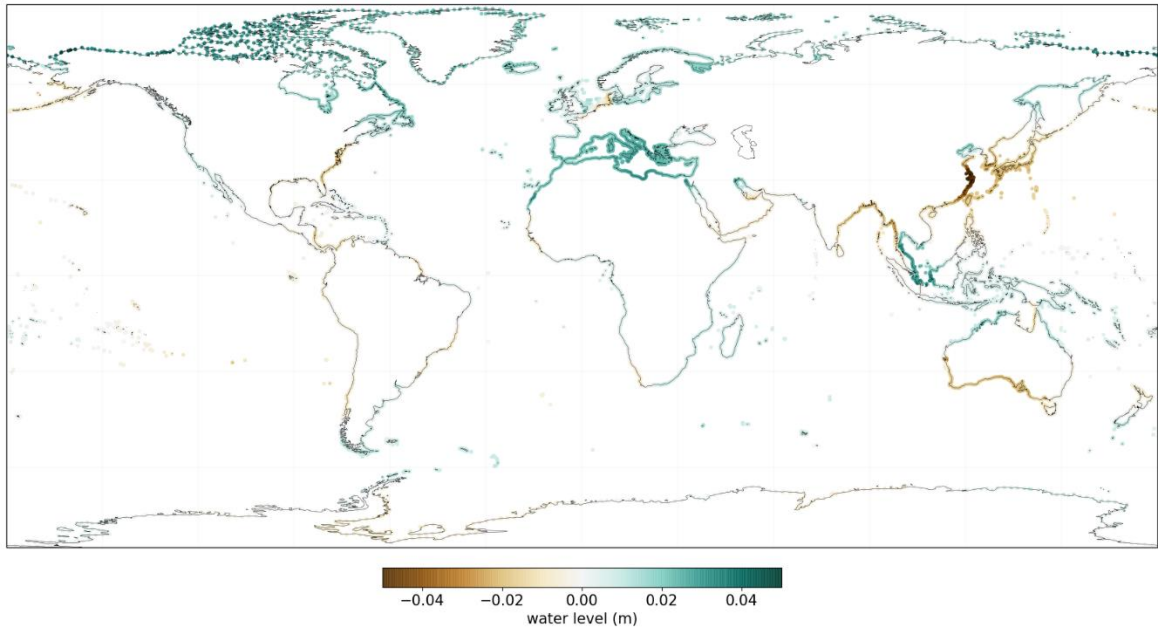
*Supplement of*

## **Modeled storm surge changes in a warmer world: the Last Interglacial**

**Paolo Scussolini et al.**

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**Figure S1. Anomaly in climatological mean of sea level, Last Interglacial minus pre-industrial values.**

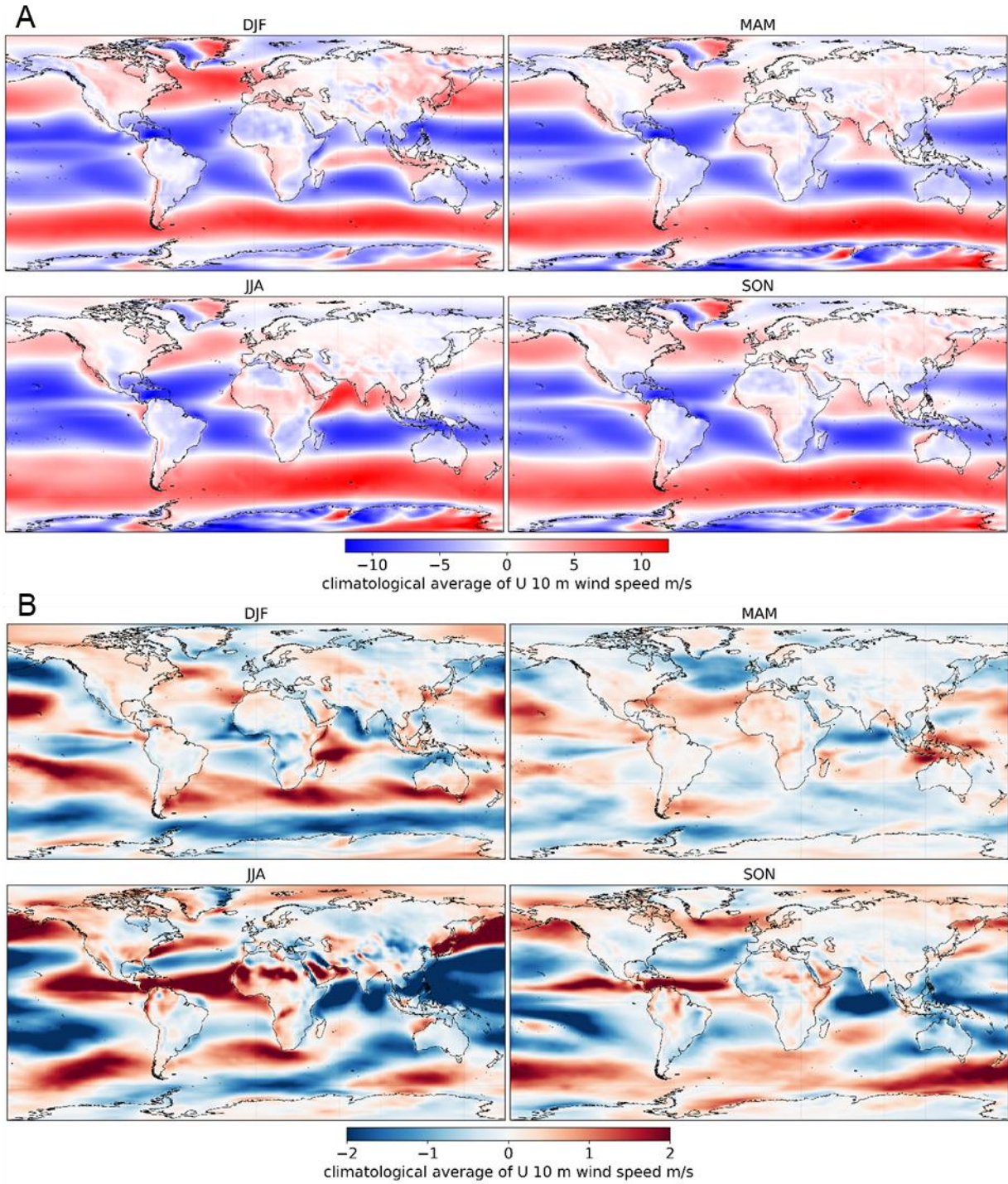
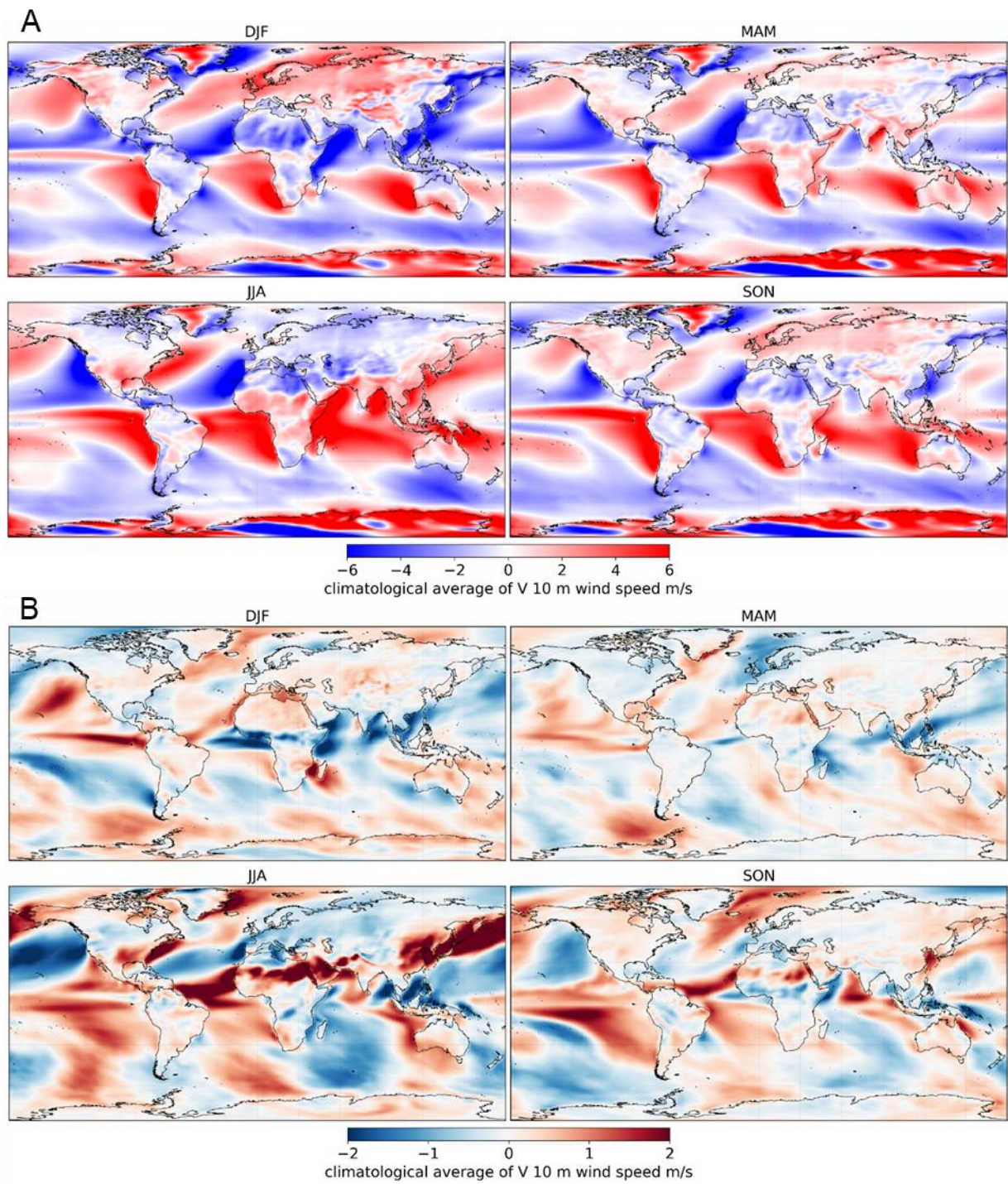
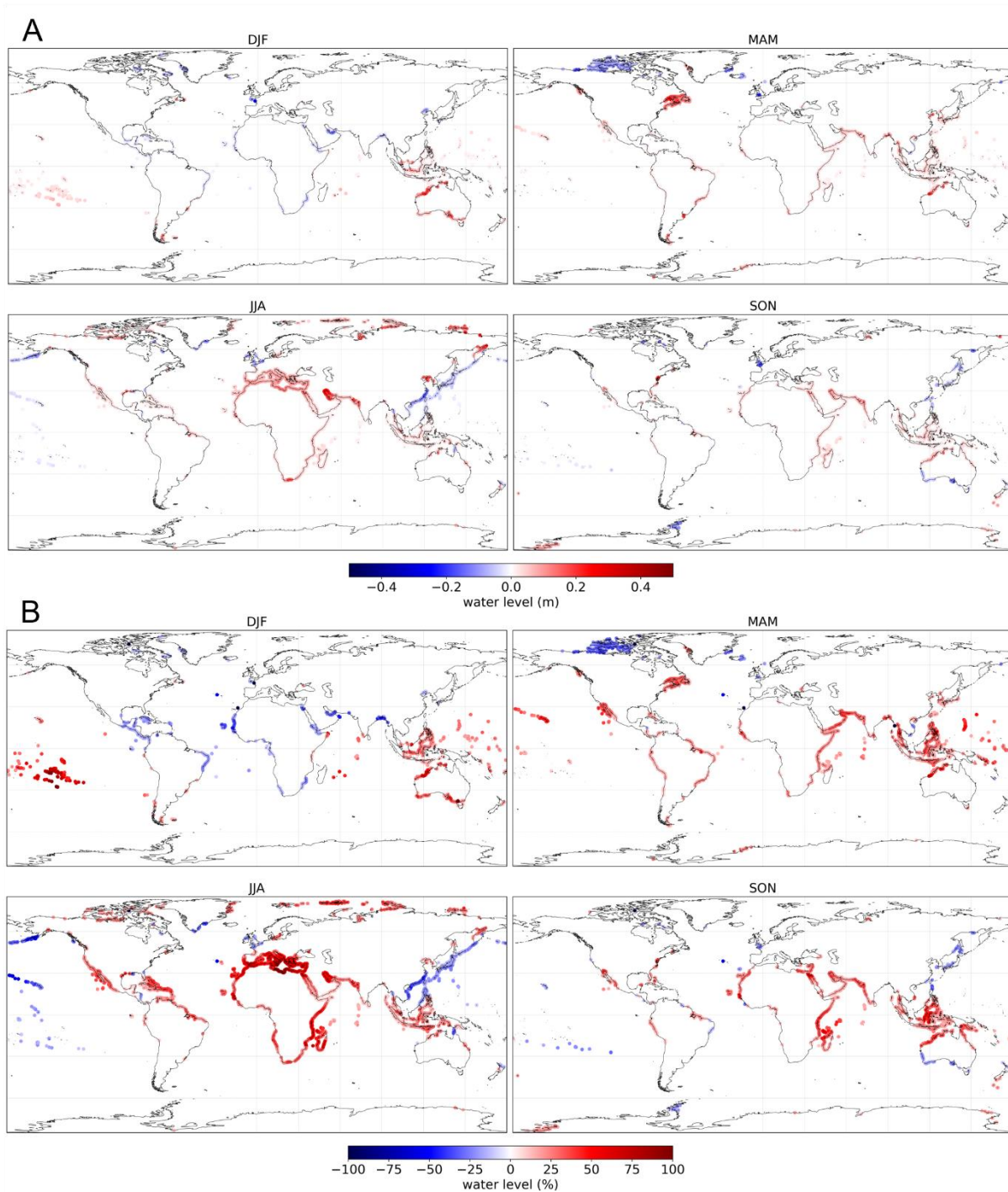


Figure S2. Zonal wind speed at 10 m elevation ( $u_{10\text{ m}}$ ). A) pre-industrial values; and B) LIG-PI anomalies.



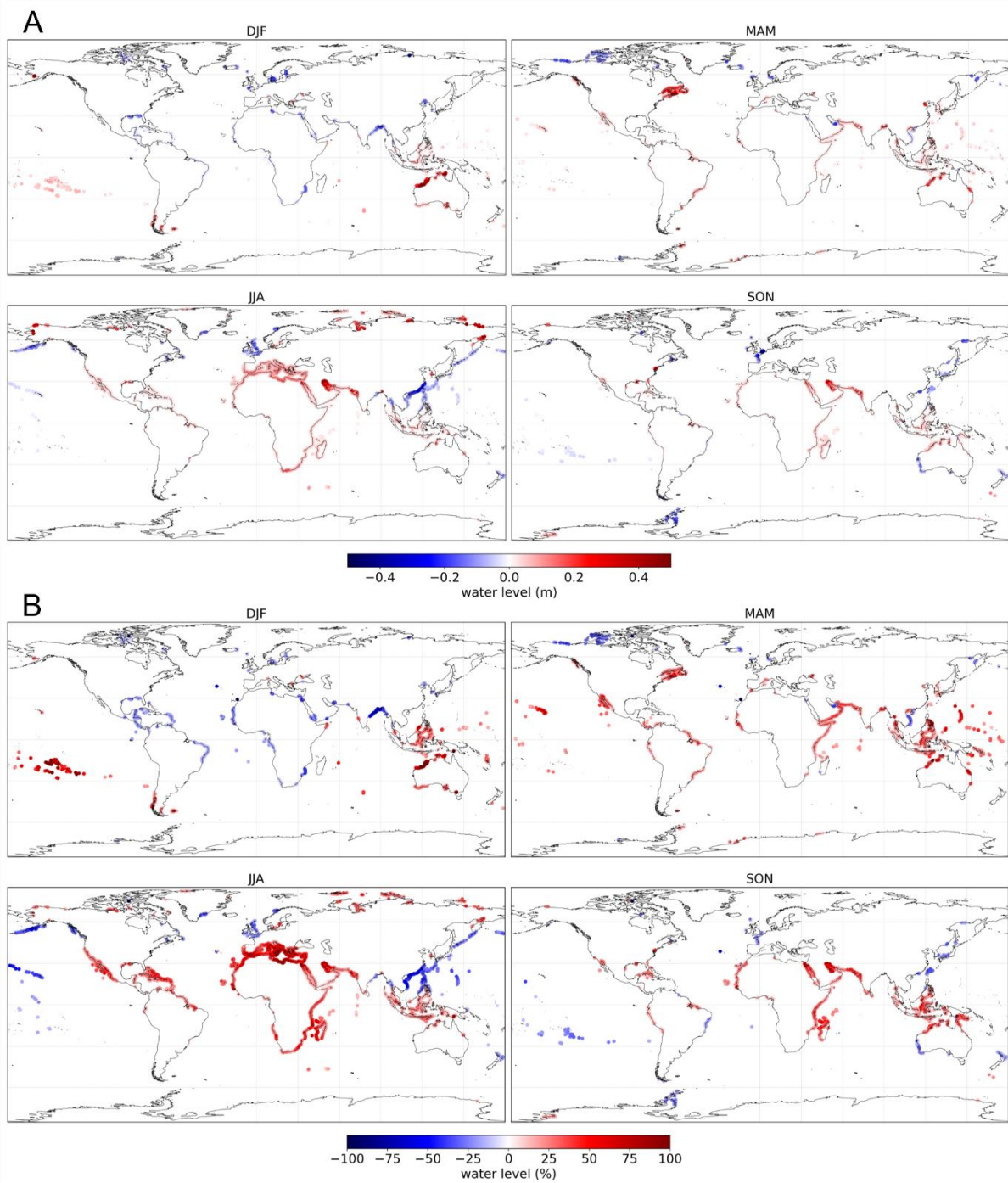


**Figure S3. Meridional wind speed at 10 m elevation ( $v_{10\text{ m}}$ ). A) pre-industrial values; and B) LIG-PI anomalies.**

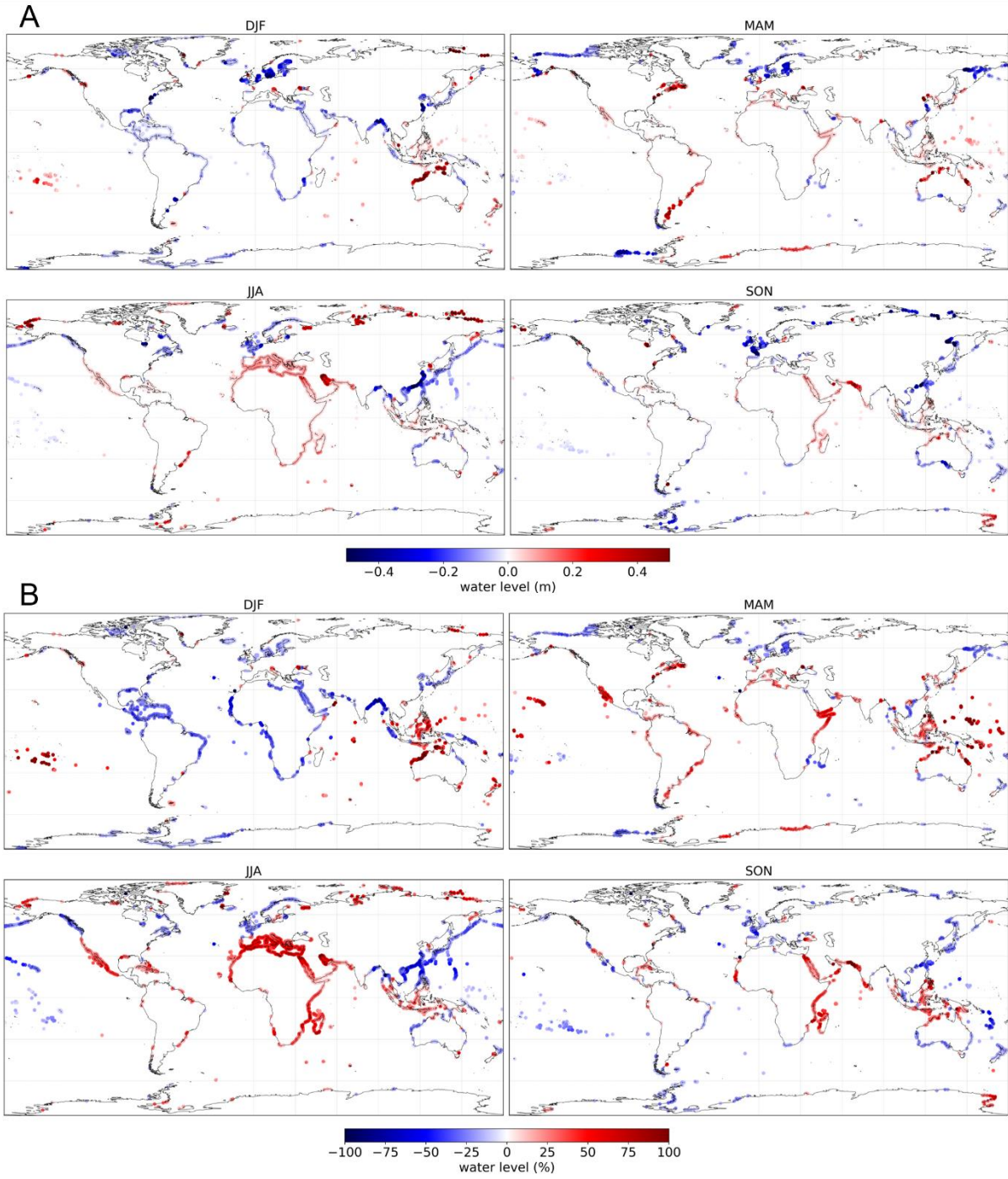


**Figure S4. Anomalies (LIG-PI) in sea level extremes at the 2-year return period, as A) absolute, and B) percentage values. Only values for which the 95% uncertainty bands of the distributions of each climate do not overlap.**

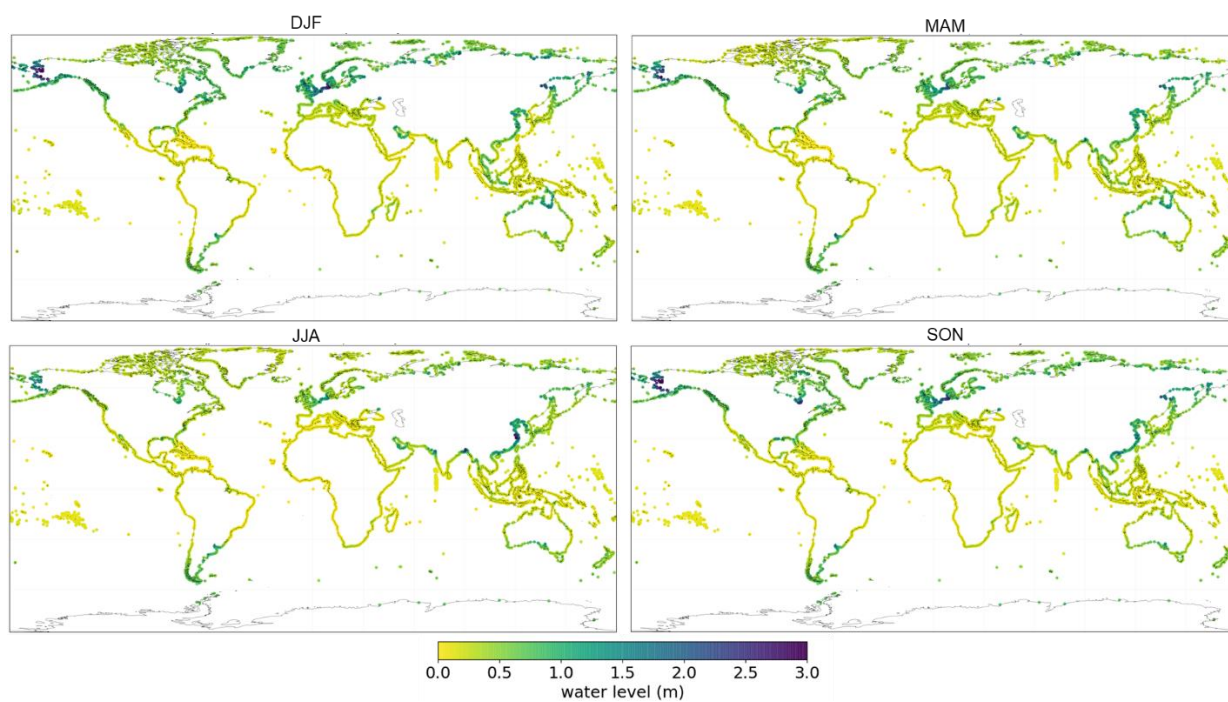




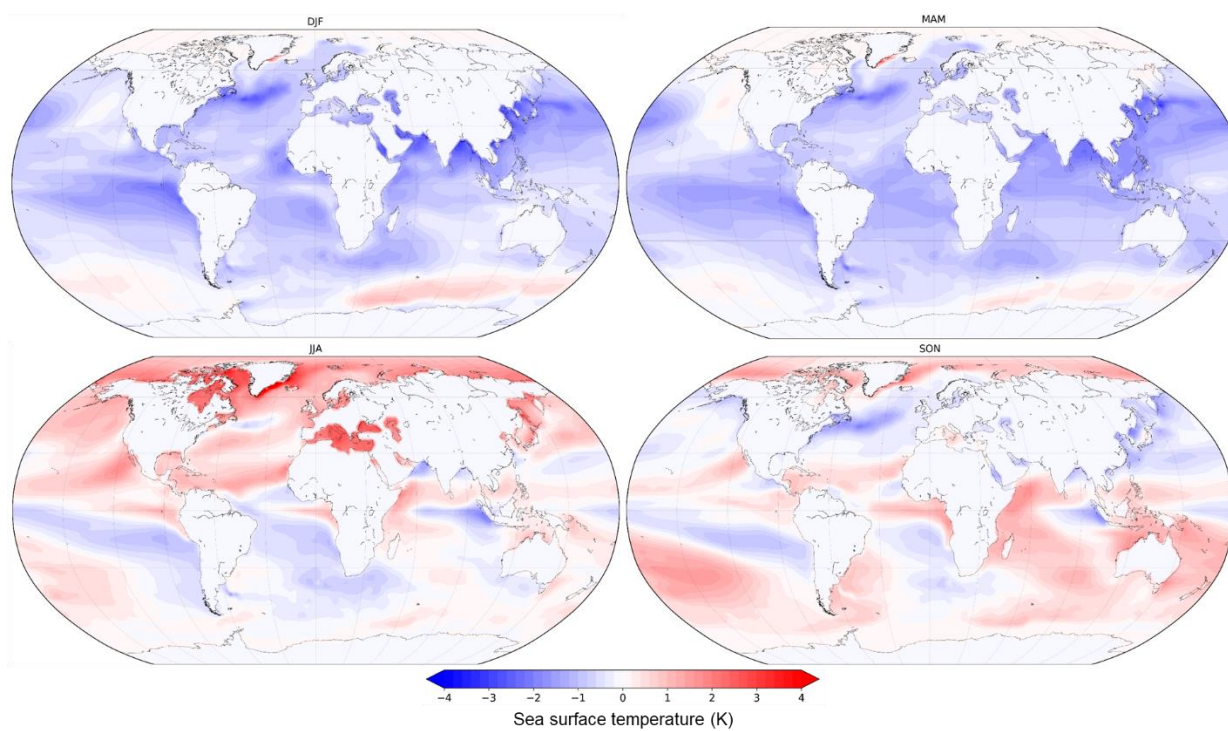
**Figure S5. Same as Fig. S4, but for sea level extremes at the 5-year return period.**



**Fig. S6.** Same as Fig. S4, but for sea level extremes at the 20-year return period.



**Fig. S7. Modern sea level extremes at the 10-year return period (data from GTSR, Muis et al. 2016).**



**Fig. S8. Anomaly (LIG-PI) in sea surface temperature.**