Supplement of

On the uncertainty associated with detecting global and local mean sea level drifts on Sentinel-3A and Sentinel-3B altimetry missions

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Figure S1: a) Local $\Delta\text{MSL}$ high-frequency uncertainties (<2 months) between S3A and Jason-3 in 9°x9° resolution. b) Local $\Delta\text{MSL}$ medium-frequency uncertainties (between 2 months and 1 year) between S3A and Jason-3 in 9°x9° resolution.
Figure S2: $\Delta$GMSL trend differences between S3A, Jason-2, Jason-3, and SARAL/AltiKa, over the March 2016 to September 2017 period. The black boxes show the $\Delta$GMSL trend uncertainties at 68% C.L. and the grey boxes at 90% C.L.
Figure S3: a) Local ΔMSL trends between S3B and Jason-3 after removing (the global mean trend (i.e. -3.01 mm yr⁻¹) removed from the grid) in 9°x9° resolution. b) Confidence level of the measured Local ΔMSL trends Local drift probability computed from local ΔMSL trends divided by local uncertainties between S3B and Jason-3 in 9°x9° resolution.