

**Figure 3.** (Bottom panel) CNES/AVISO L2P 21 GMSL record and its associated uncertainties. The record has been corrected for TP-A drift as well as for the GIA. Seasonal signals are removed and the timeseries is 2-months filtered. The uncertainty envelop (red shaded area) is given at the 90% C.L. ( $1.65\sigma$ ), as for the trend and acceleration uncertainties indicated in the white box. (Top panel) Comparison of the L2P 21 GMSL record with its previous version, i.e., L2P 18. Vertical dashed-lines indicated the dates of switch between altimetry missions.

