



Next generation of the atmospheric pressure loading service

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A major revision of the service of the atmospheric pressure loading launched in 2002 is scheduled to be completed in 2013. Revised service accessible at <http://astrogeo.org/loading> will have improved accuracy, reduced latency, and better user interface. Improvement in accuracy will be achieved owing to using numerical models with much higher resolution (several tens of kilometers versus several hundreds of kilometers) owing to more precise surface pressure reduction, and owing to taking into account the dynamic response of the ocean. Using operational numerical weather models matched to reanalysis model allows us to compute loading with latencies measured by hours. Using advanced algorithms for loading computation running at high performance computer allows to offer a service of computing loading on the fly.