Influence of the high-frequency MOG2D corrections on the surface velocity field

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Ocean SLA product – with FES2004 tides and MOG2D barotropic correction

Table 1: Sea Level Anomaly computed for T/P or J-1

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**Conclusions:**

This validation study shows that using the MOG2D high-frequency barotropic correction can improve the EKE field, for both the alongtrack and mapped velocity data.

The MOG2D correction has only a minor effect at mid-latitudes when calculating velocities from the tandem mission parallel groundtracks, mainly because the same large-scale atmospheric forcing is applied to both tracks at the same time. There is more improvement at high latitudes where the small-scale atmospheric forcing is more important.