



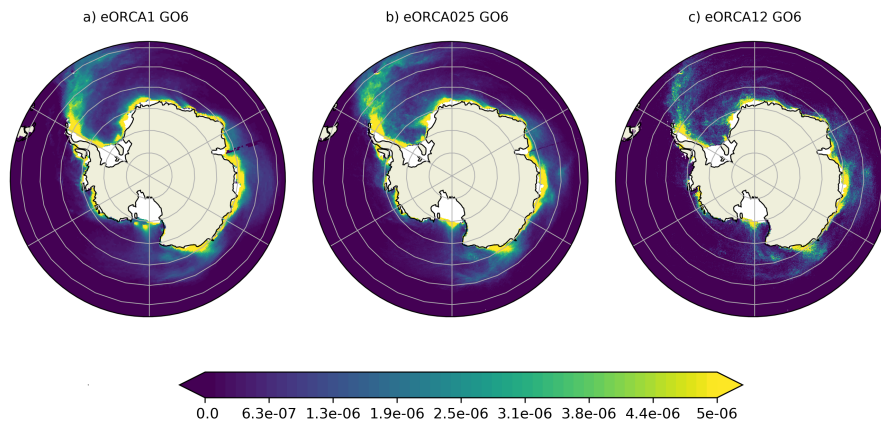
*Supplement of*

## **GOSI9: UK Global Ocean and Sea Ice configurations**

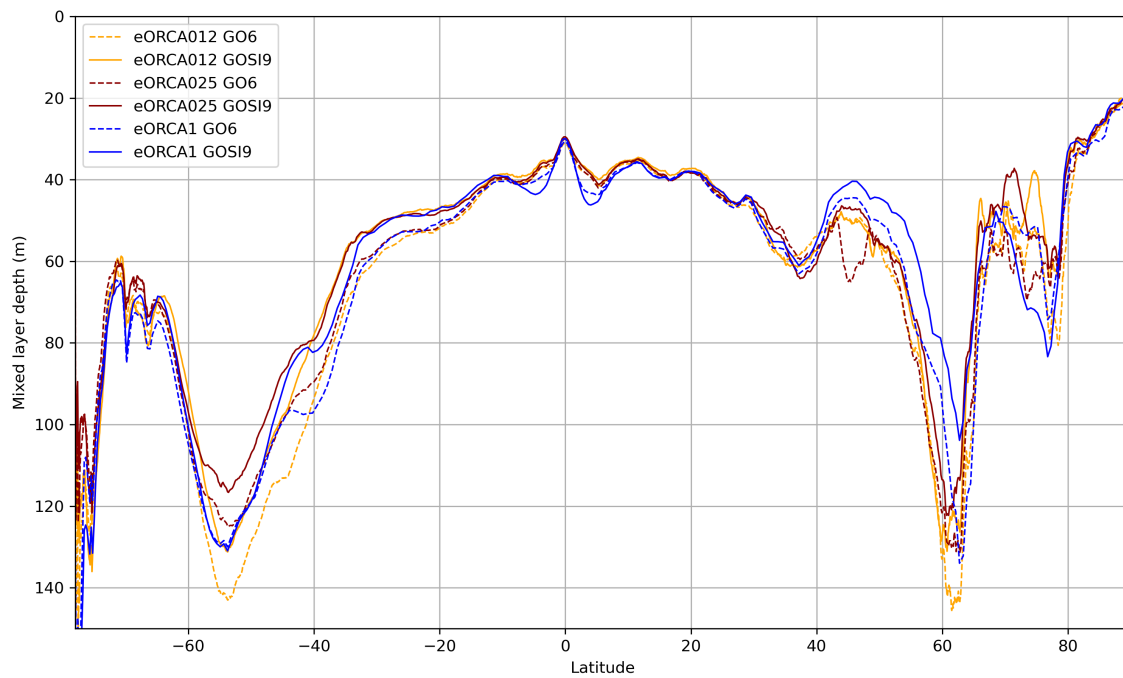
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**Figure S1.** Annual mean of fresh water flux ( $\text{kg.m}^{-2}.\text{s}^{-1}$ ) from iceberg melt calculated from GO6 integrations.



**Figure S2.** Zonal mean mixed layer depth for the third decade of integration (1995-2005) for the GOSI9 and the GO6 configurations.