

**Supplement to**

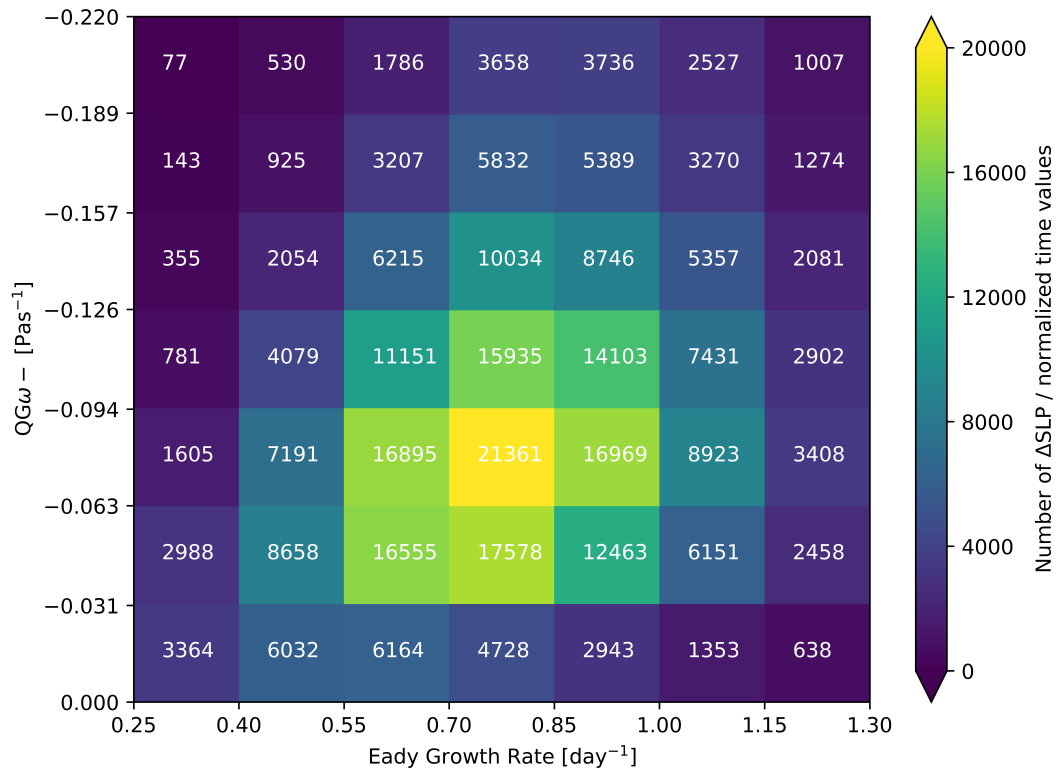
**A global analysis of the dry-dynamic forcing during cyclone growth and propagation**

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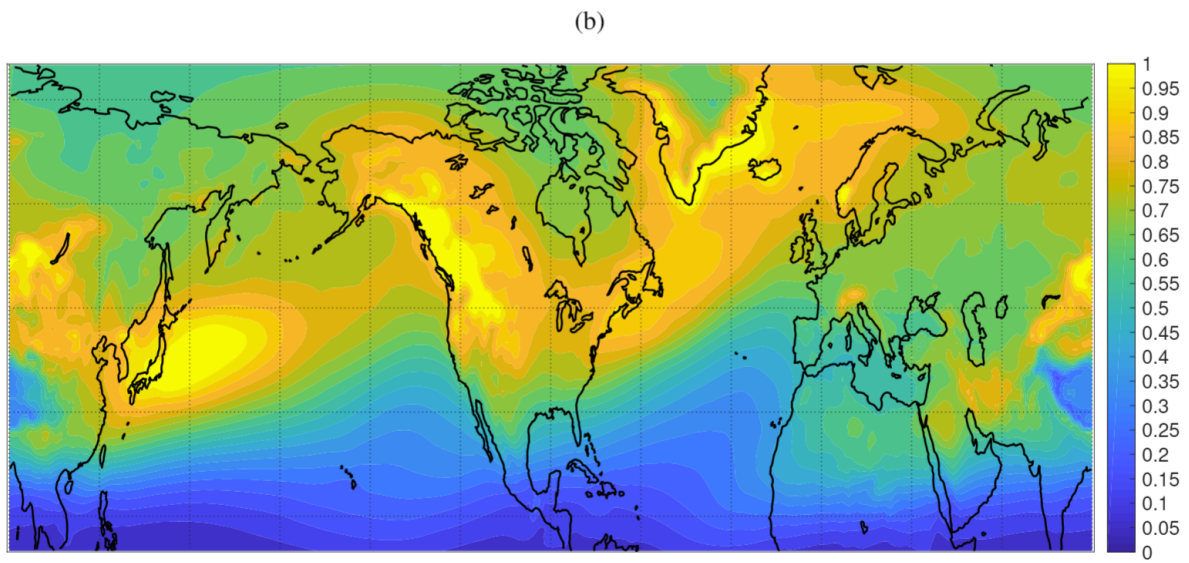
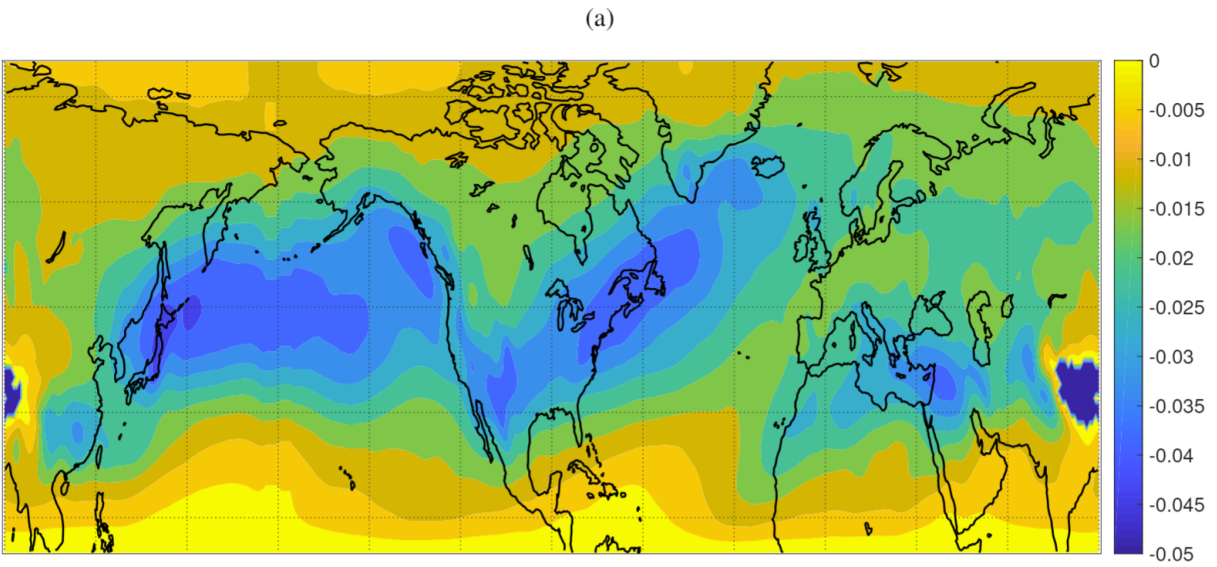
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**Figure S1.** Number of six-hour time segments attributed to each bin in the 2D forcing diagram. The color shading corresponds to the exact values given in the bins. Note that only the growth phase (genesis to maturity) during the cyclones' life cycle is taken into account.



**Figure S2.** Winter month (Oct-Mar) climatology of (a)  $QG\omega$  (in  $\text{Pa s}^{-1}$ ) and (b) EGR ( $\text{day}^{-1}$ ) based on ERA-Interim (1979-2016).