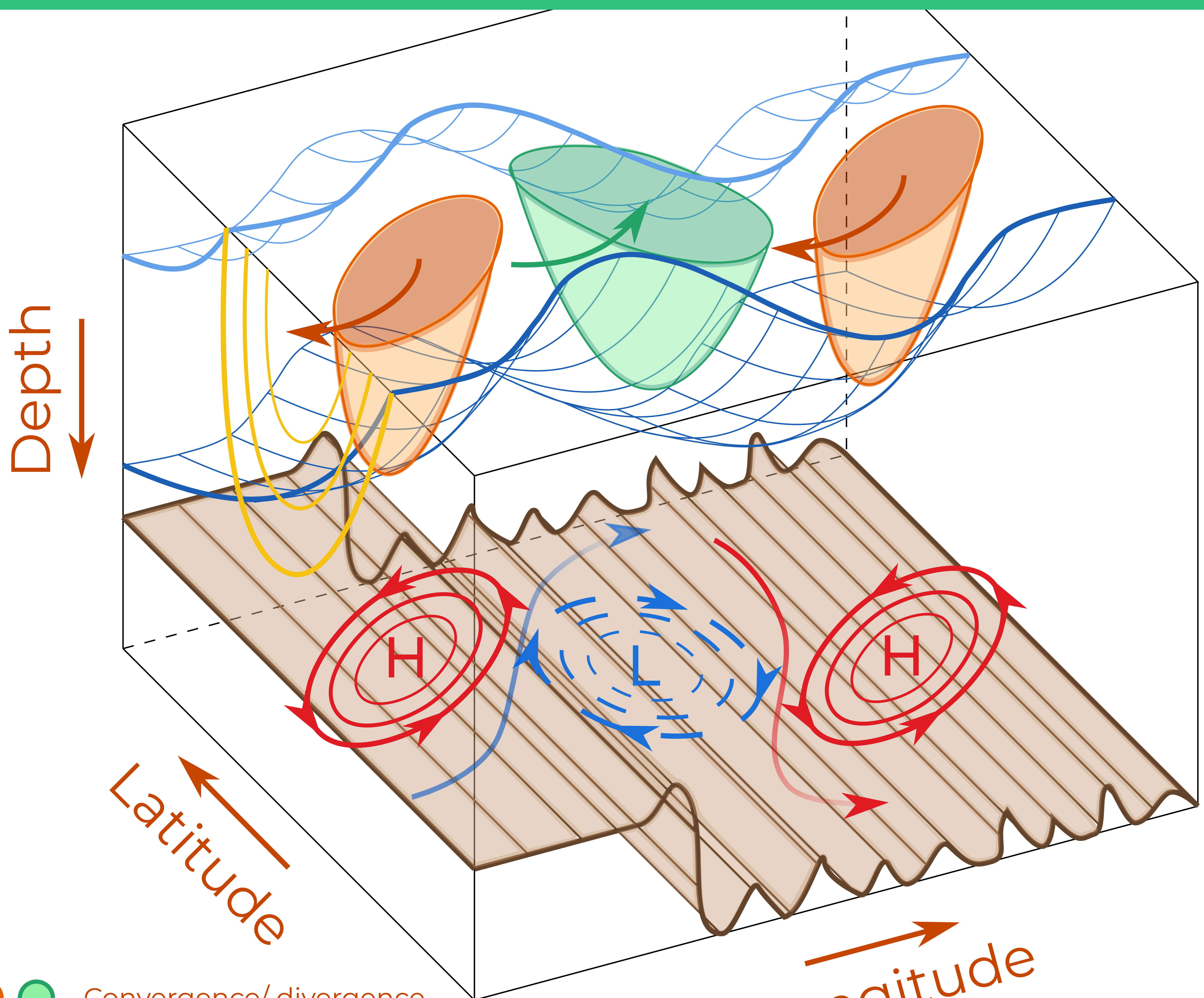


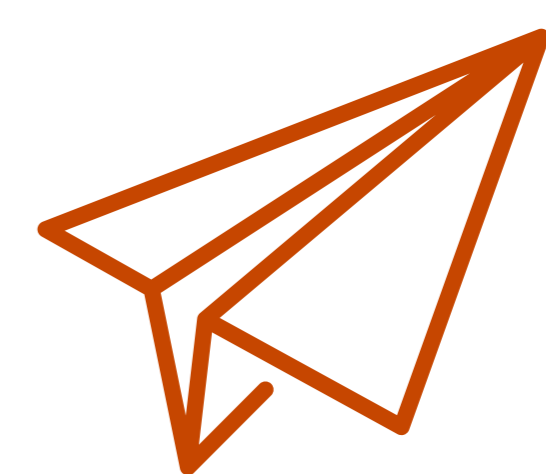
Cyclogenesis beneath a standing meander in the Antarctic Circumpolar Current

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- Patterns of convergence/ divergence drive along-isopycnal motion
- Deep cyclones and anti-cyclones form eddy train beneath meander
- Strong deep currents dissipate momentum to the sea floor via bottom pressure torque (bottom form stress)
- Meanders and deep eddies form gateway for heat transport across the front



- Convergence/ divergence
- Along-isopycnal downwelling/ upwelling
- High/ low pressure anomalies
- Poleward/ equatorward cross-frontal flow



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