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Supplementary Materials for

Oceanic crustal carbon cycle drives 26-million-year atmospheric carbon dioxide periodicities

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This PDF file includes:

Supplementary Materials

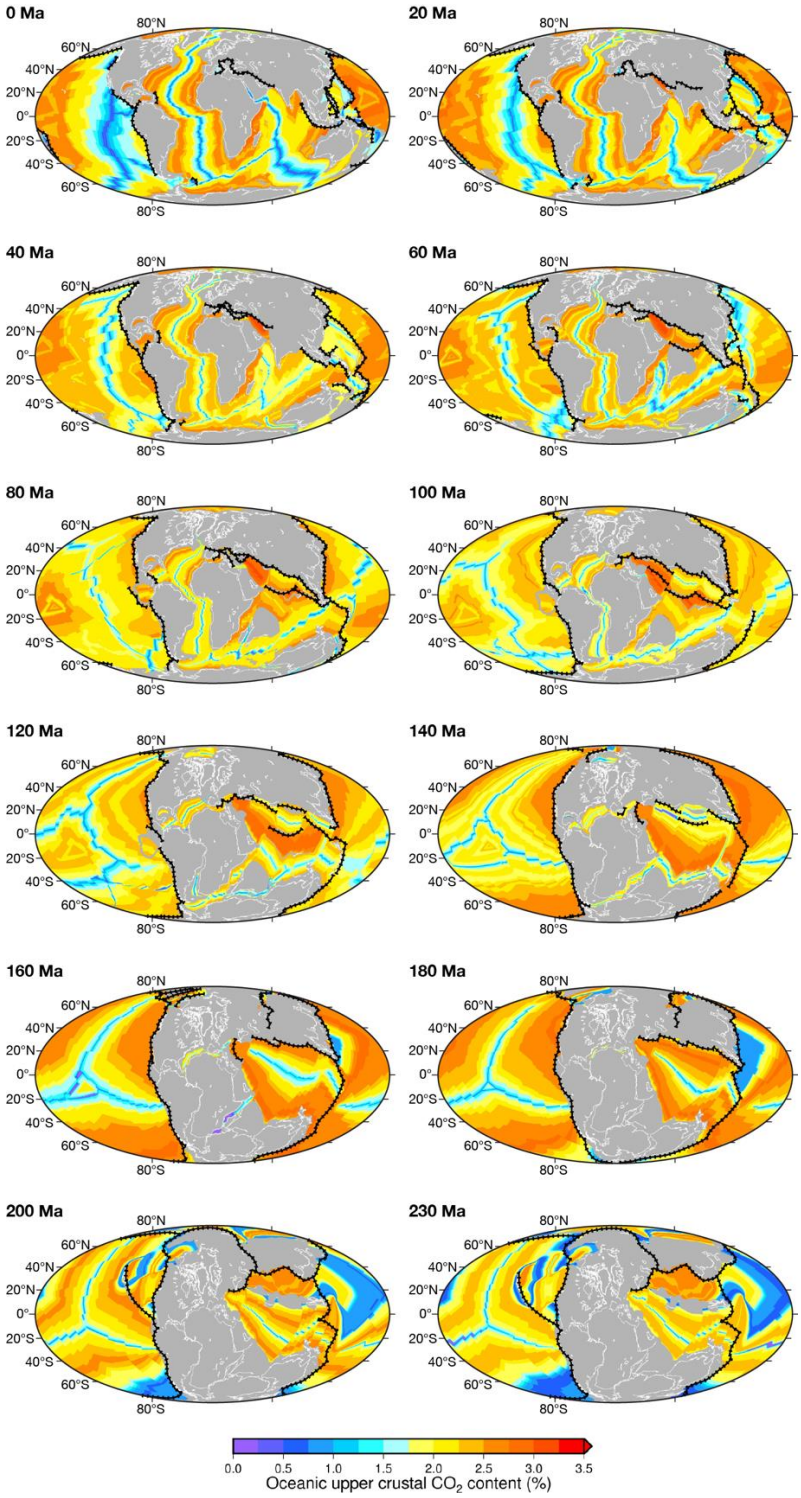

fig. S1. Modeled oceanic crustal CO_2 content through time. Crustal CO_2 content is plotted in 20 My intervals from 0–200 Ma, and at 230 Ma, and is based on a log-linear relationship between observed CO_2, bottom water temperature and crustal age.

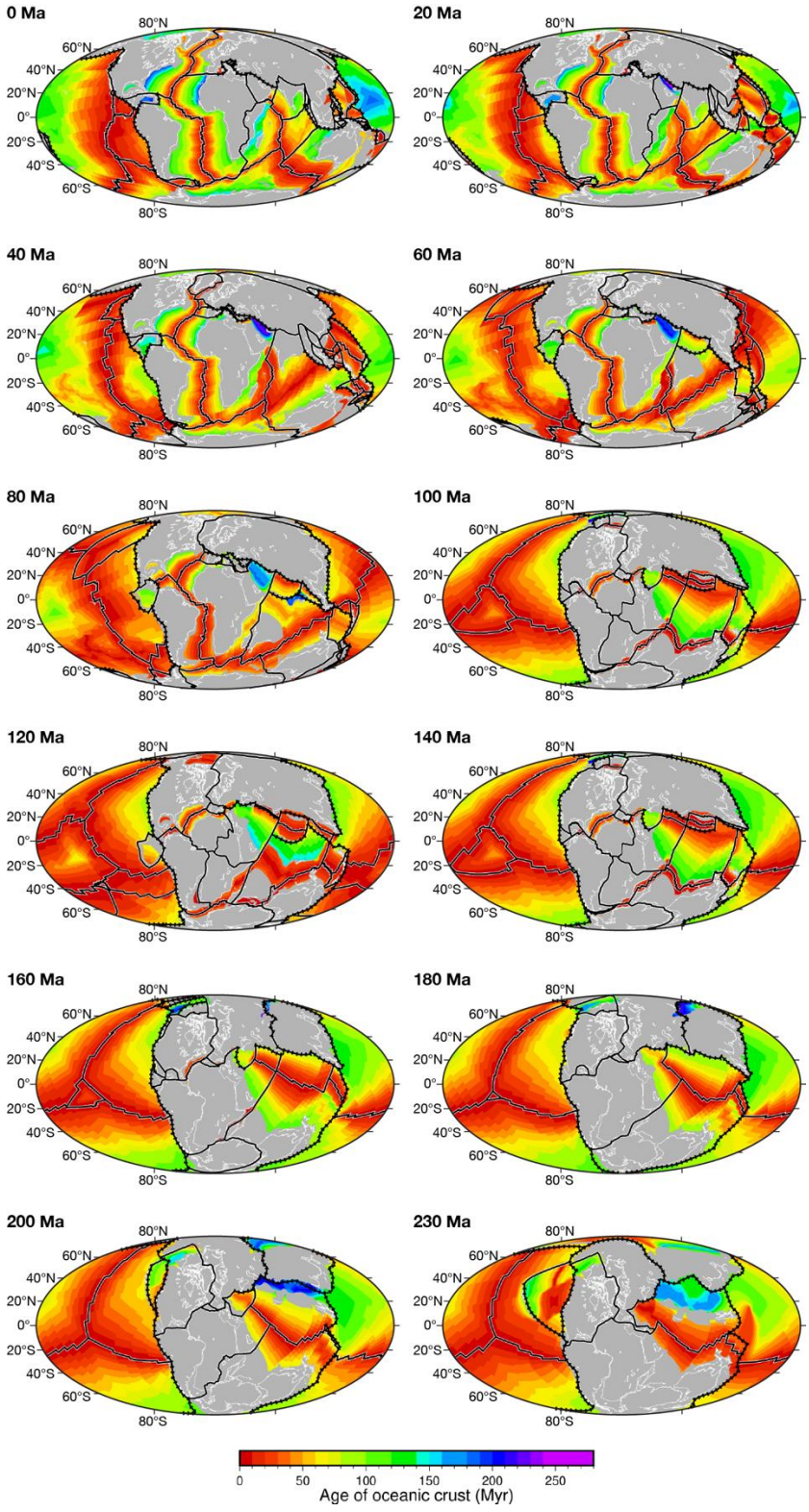

fig. S2. Paleo-age of the ocean crust. Crustal age is plotted in 20 My intervals from 0–200 Ma, and at 230 Ma.

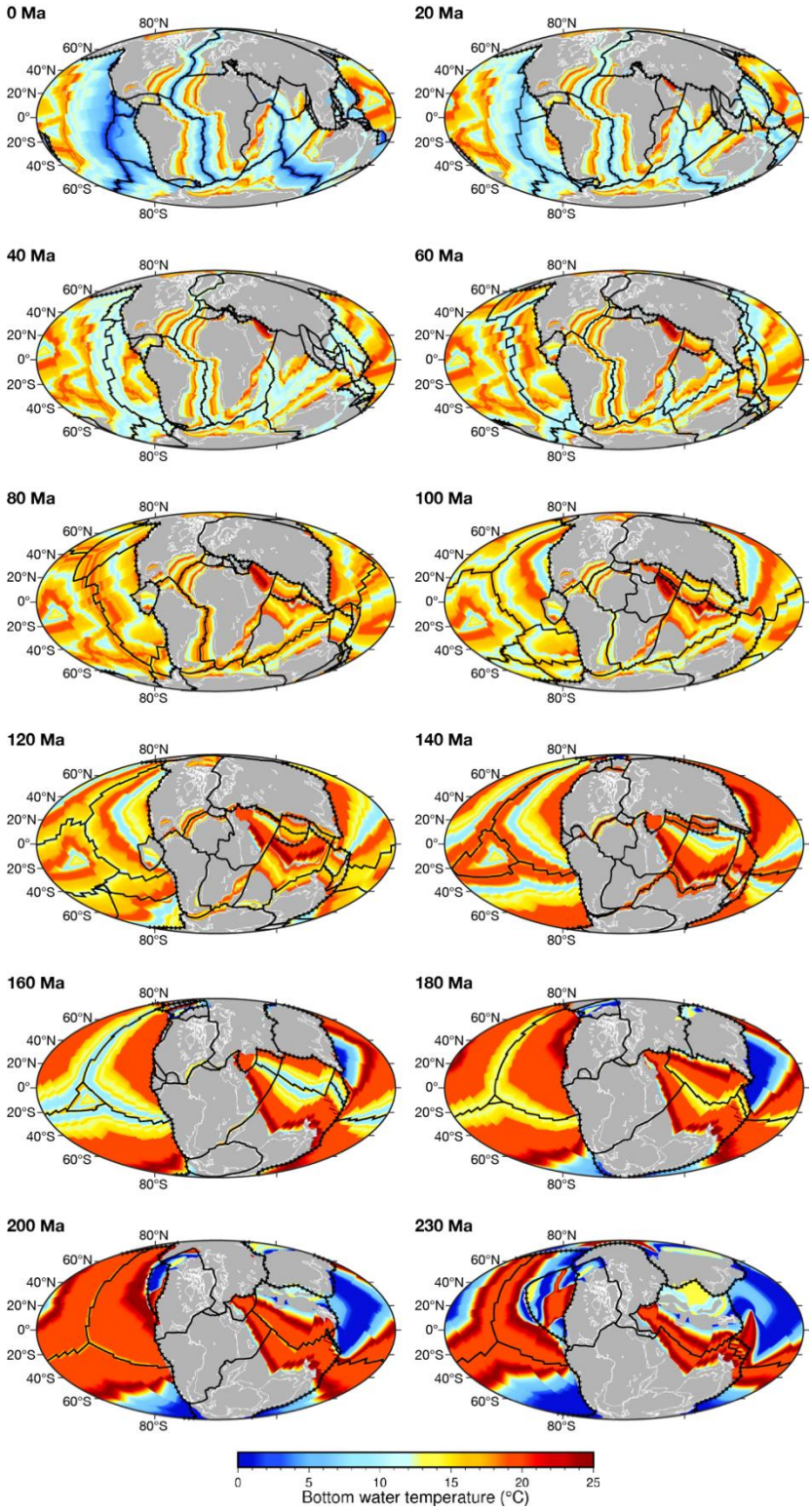

fig. S3. Modeled paleo-ocean bottom water temperature. The temperature shown is the paleo-bottom water temperature at the time of crustal accretion for any given parcel of ocean crust through time in 20 My intervals from 0–200 Ma, and at 230 Ma.