

Jianliang Jia, Changsheng Miao, and Wenquan Xie, 2022, Terrestrial paleoclimate transition associated with continental weathering and drift during the Aptian–Albian of East Asia: GSA Bulletin, <https://doi.org/10.1130/B36253.1>.

Supplemental Material

Table S1. Climate indicators of element and isotope geochemistry, and clay and carbonate minerals from boreholes FY-2, FY-1 and DY-1 in the Fuxin Basin.

Table S2. Palynomorph assemblage from the borehole FY-2 in the Fuxin Basin.

Figure S1. Correlated sequence stratigraphy and sedimentary facies with positions of measured samples in the Fuxin Basin from borehole FY-2 in the west (A), FY-1 in the centre (B), and DY-1 in the east (C) (modified after Jia et al., 2021). Symbols are the same as shown in Figure 1 and the location is shown in Figure 1B.

Figure S2. Diagrams of Al_2O_3 and TiO_2 and $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ values for organic-rich mudrocks from boreholes FY-2 (A, D), FY-1 (B, E), and DY-1 (C, F).

Figure S3. Microscopic characteristics of carbonate minerals observed in SEM (A) and thin section images (B) of organic-rich mudrocks from borehole FY-2.





