

d13Ccarb, d13Corg, and d18Ocarb isotopic characteristics of drilled cores spanning PC/C boundary at Three Gorge region, S. China.

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The Precambrian/Cambrian boundary is one of the most critical times for the evolution of life, i.e., from small bacteria to large multi-cellular animals, presumably under the condition of rapidly increased oxygenic environment after the latest Proterozoic snowball Earth. To monitor the environmental change at this transition period, chemo-stratigraphic approach has contributed significantly to understanding the bio-environmental change, particularly to elucidate the critical boundary horizon. Yet, the problem remains unsolved by the difficulties including no continuous exposures, weathered on the surface, and limited data set. The best continuous exposures without unconformity, weathering, drilled cores fresh, and continuous. Three isotopic measurement together. Experimental procedures. How many analysis.