Supplementary document for

THE CRETACEOUS OCEANIC ANOXIC EVENT 2 (OAE2) INTERVALDOCUMENTED IN THE IONA-1 CORE, WESTERN INTERIOR SEAWAY, NORTH AMERICA: A REANALYSIS

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Table 1 Duration, ages, and the interpreted nature of the proposed re-defined carbon isotope excursion (CIE) of the OAE2 interval documented in the Iona-1 core, TX, USA

C stages of CIE (m)	Duration	Ages (Ma)	Nature of CIE
C5 (~93 m to ~89 m)	~200 kyr	~93.9 — ~93.7	
C4 (~101 m to ~93 m)	~350 kyr	~94.2 — ~93.9	global
C3 (~107 m to ~101 m)	~280 kyr	~94.5 — ~94.2	
C3a' (~110m to ~107 m)	~170 kyr	~94.7 — ~94.5	regional
Total CIE -short	~0.8 myr	~94.7 — ~93.9	regional,
(C3a'+C3+C4)			subsequently global
Total CIE -long	~1.0 myr	~94.7 — ~93.7	regional,
(C3a'+C3+C4+C5)			subsequently global

The detailed analysis of the refined CIE interval of OAE2 for the Iona-1 core is summarized in the Supplementary Materials (SM4 The expanded OAE2 interval in the Western Interior Seaway) of the paper entitled "Enhanced ocean connectivity and volcanism instigated global onset of Cretaceous 6 Oceanic Anoxic Event 2 (OAE2) ~94.5 million years ago" by Li, Y.X. et al. (2021, in press) in Earth and Planetary Science Letters (https://doi.org/10.1016/j.epsl.2021.117331).