

Figure 1

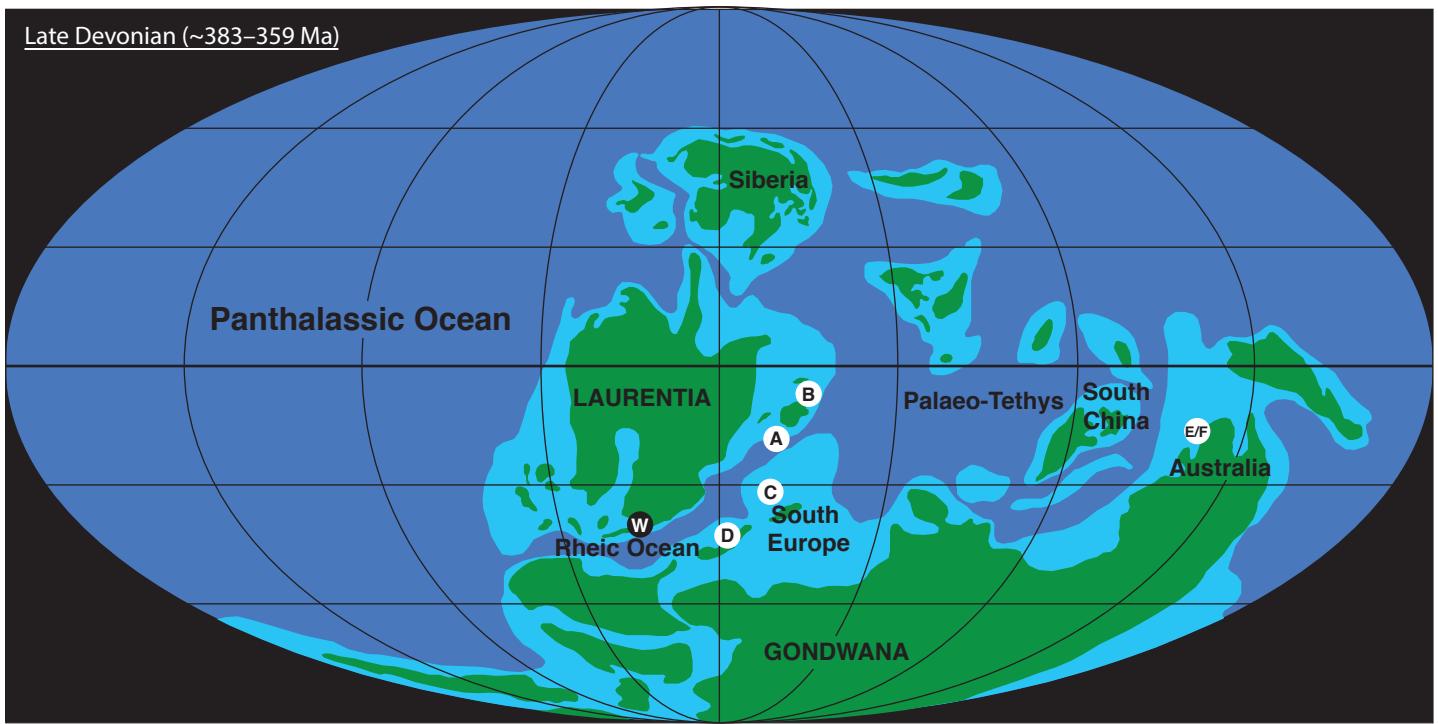


Figure 2

WEST VALLEY CORE (NEW YORK, USA)

from Murphy et al. (2000) and Sageman et al. (2003)

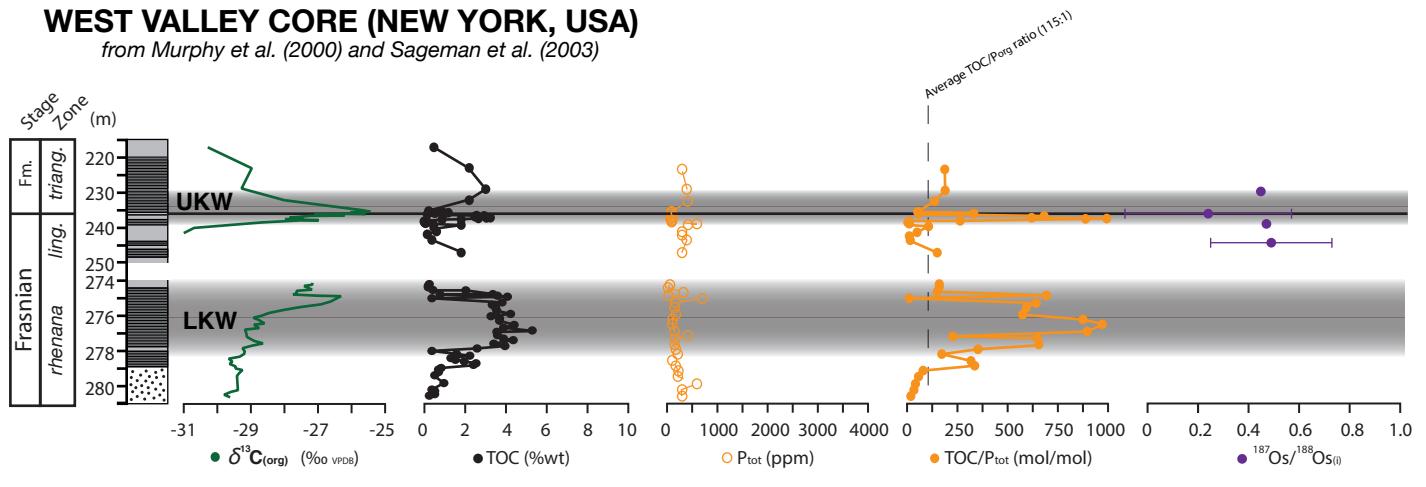
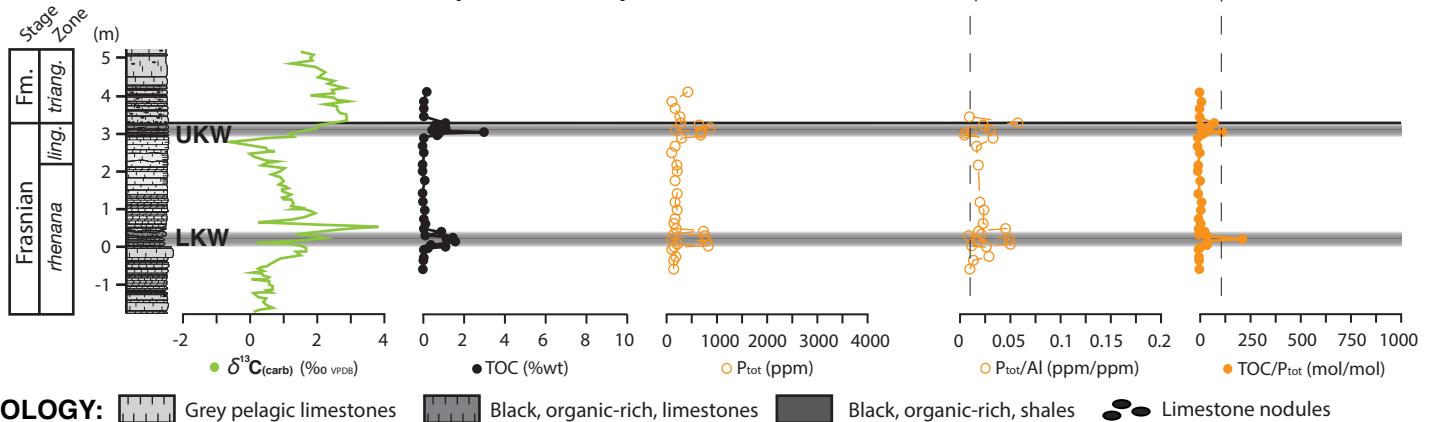


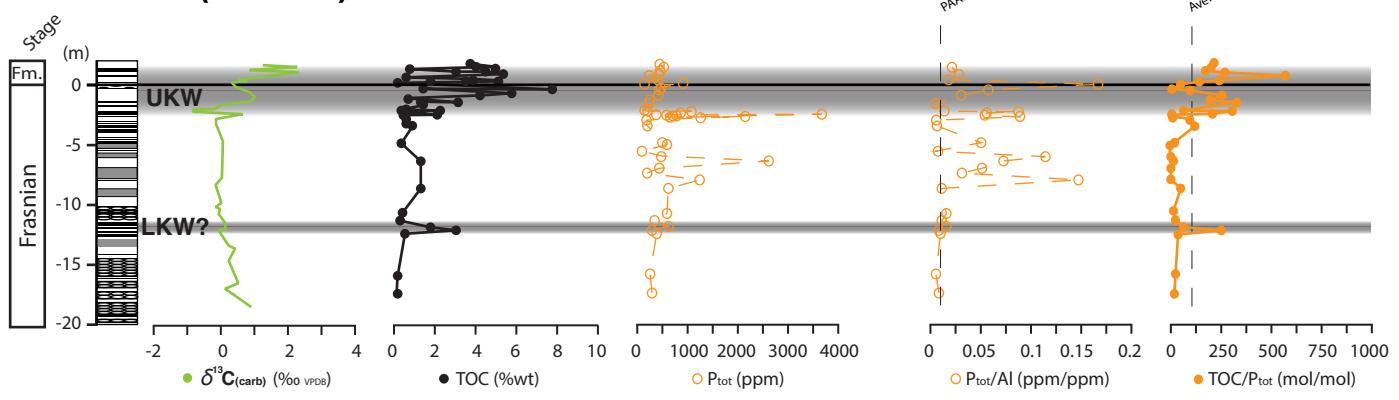
Figure 3

A: STEINBRUCH SCHMIDT (GERMANY)



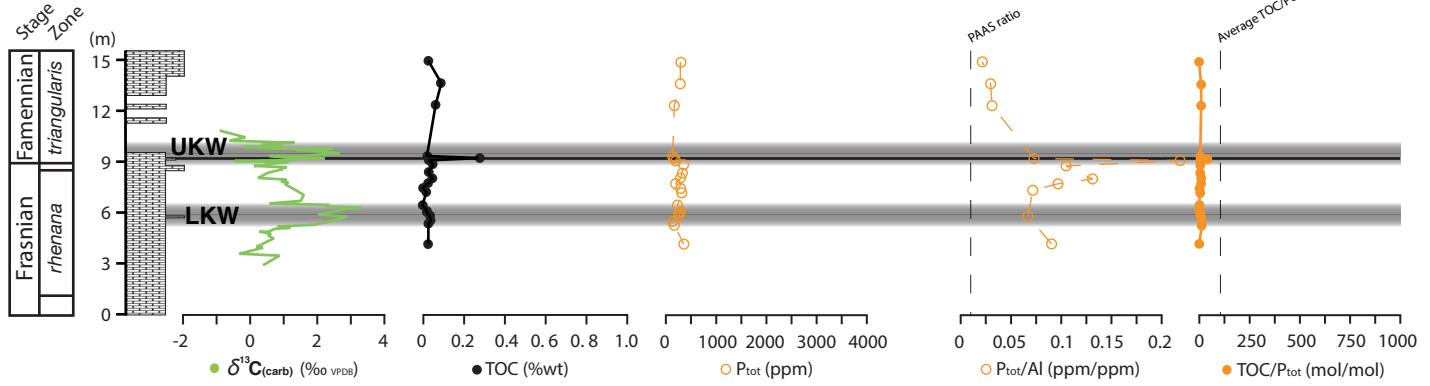
LITHOLOGY: Grey pelagic limestones Black, organic-rich, limestones Black, organic-rich, shales Limestone nodules

B: KOWALA (POLAND)



LITHOLOGY: Micritic limestones Finely interbedded limestones and organic-lean shales Dark, laminated, organic-rich shales Nodular limestones interbedded with very thin shales

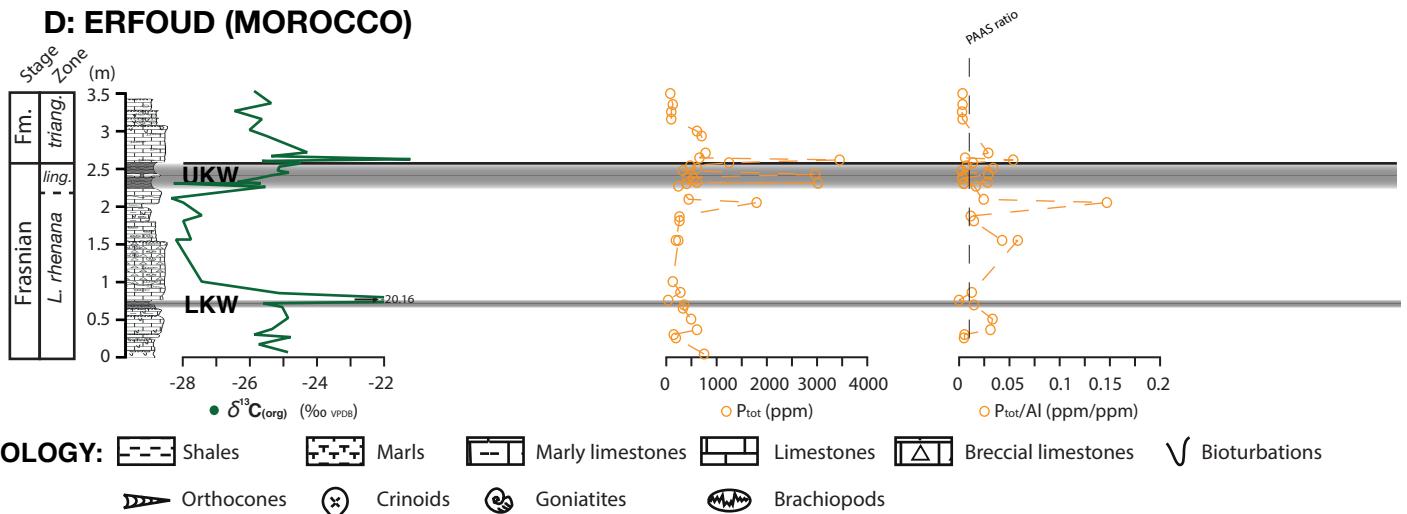
C: COUMIAC (FRANCE)



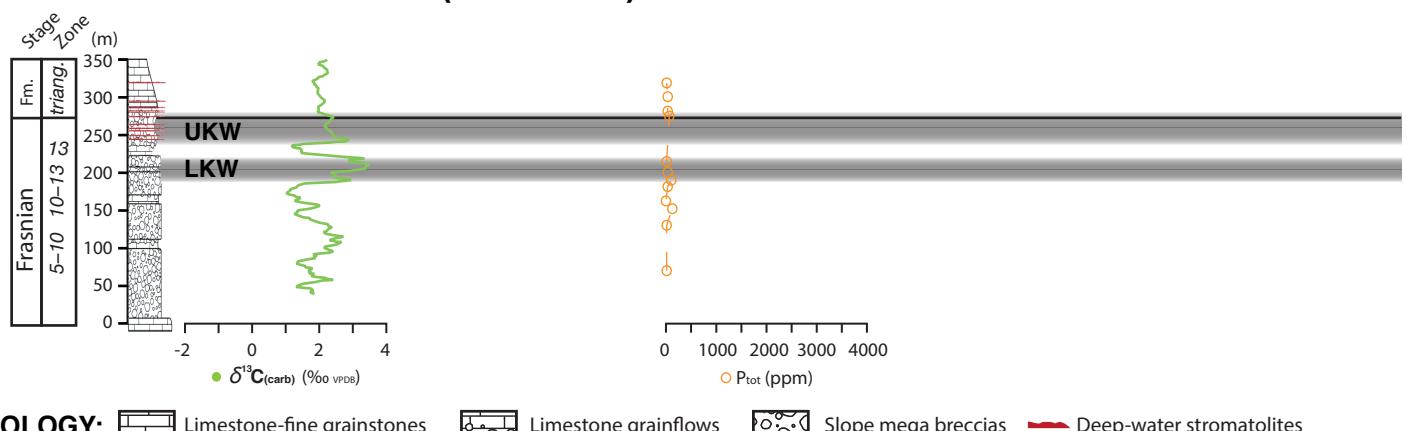
LITHOLOGY: Pelagic limestones

Figure 3

D: ERFoud (Morocco)



E: SOUTH OSCAR RANGE (AUSTRALIA)



F: DINGO GAP (AUSTRALIA)

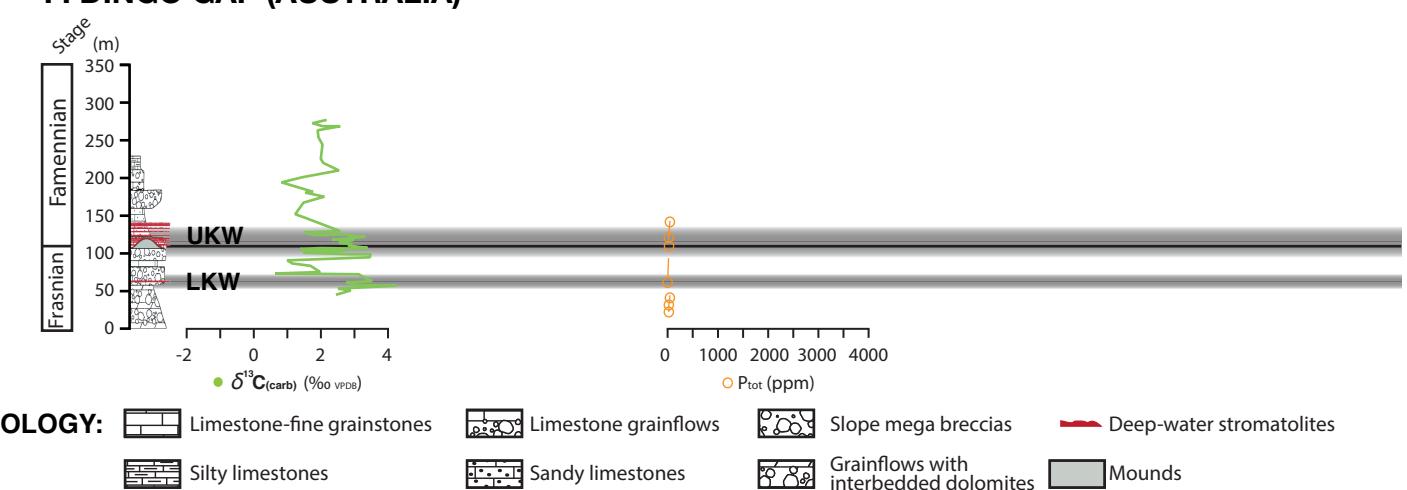
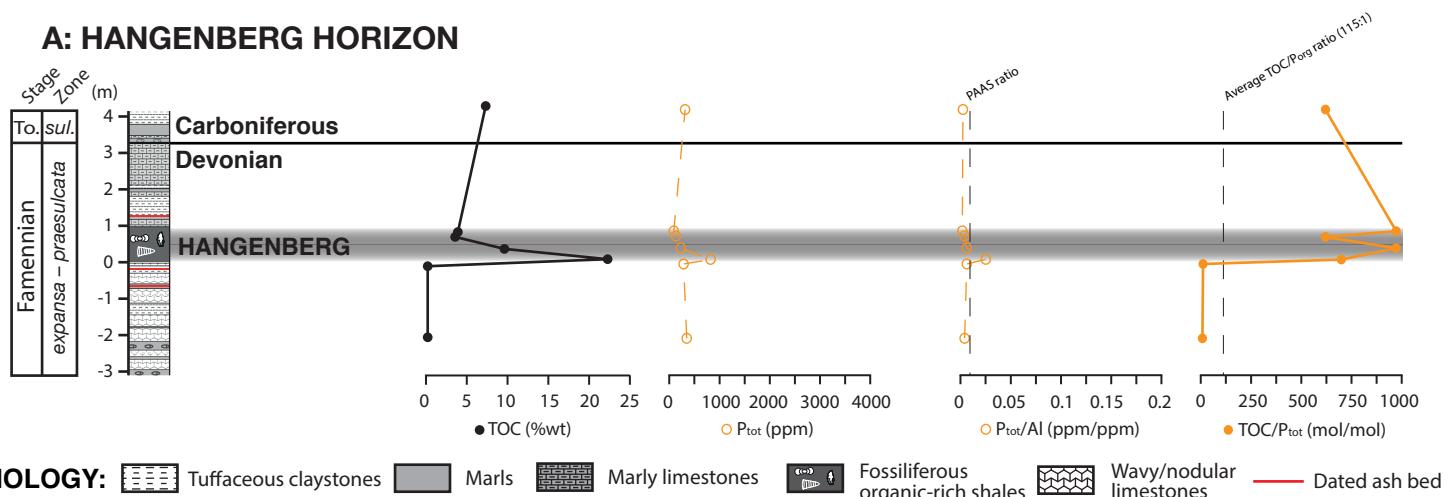


Figure 4

KOWALA QUARRY RECORDS

A: HANGENBERG HORIZON



B: ANNULATA HORIZON

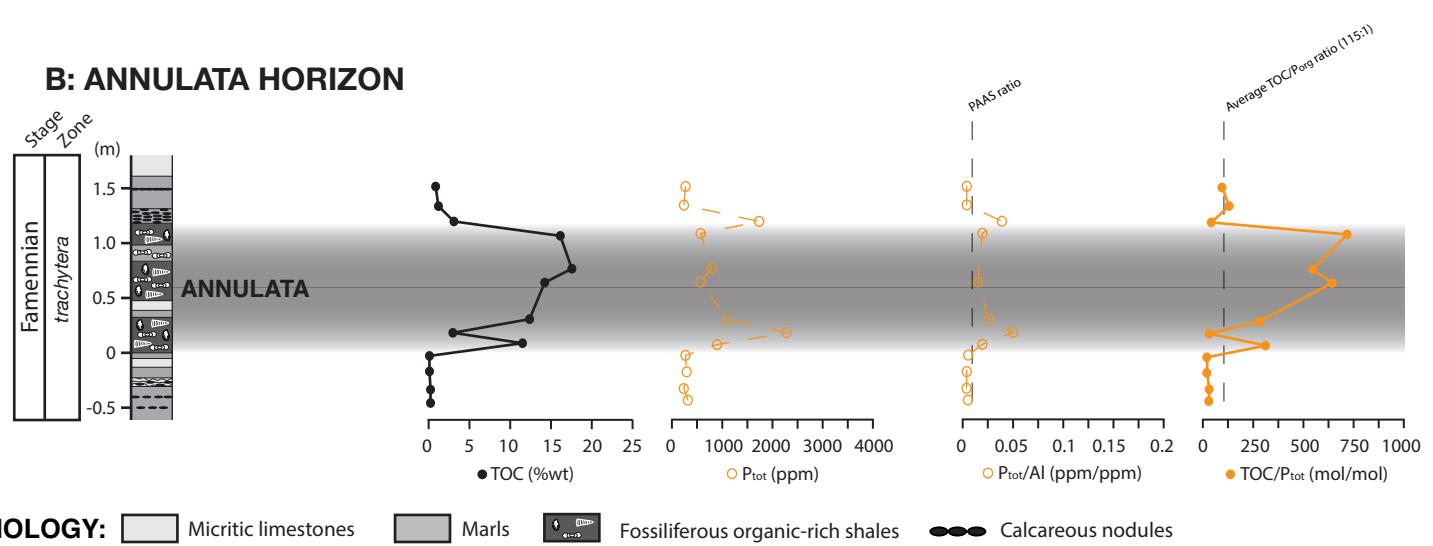
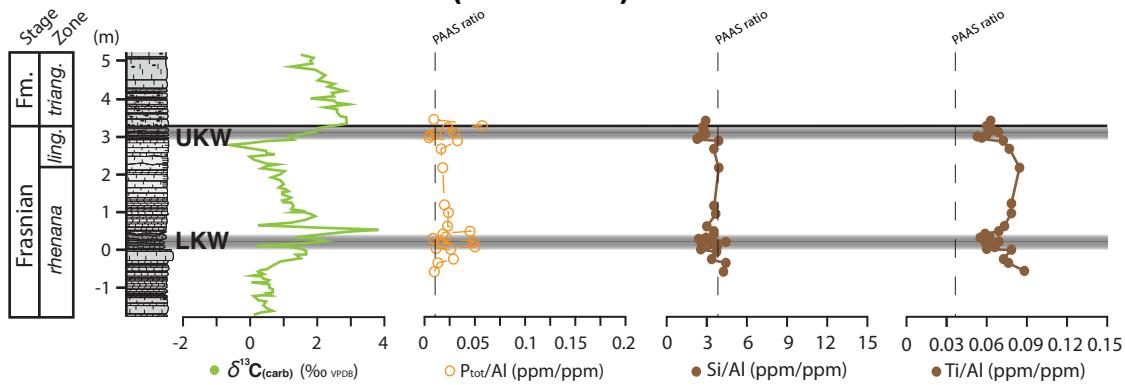
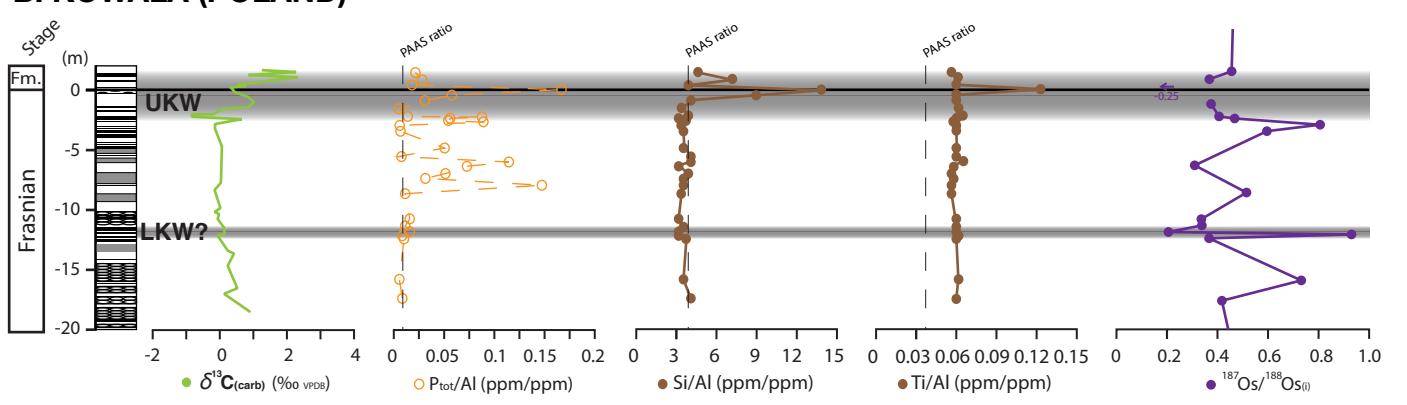


Figure 5

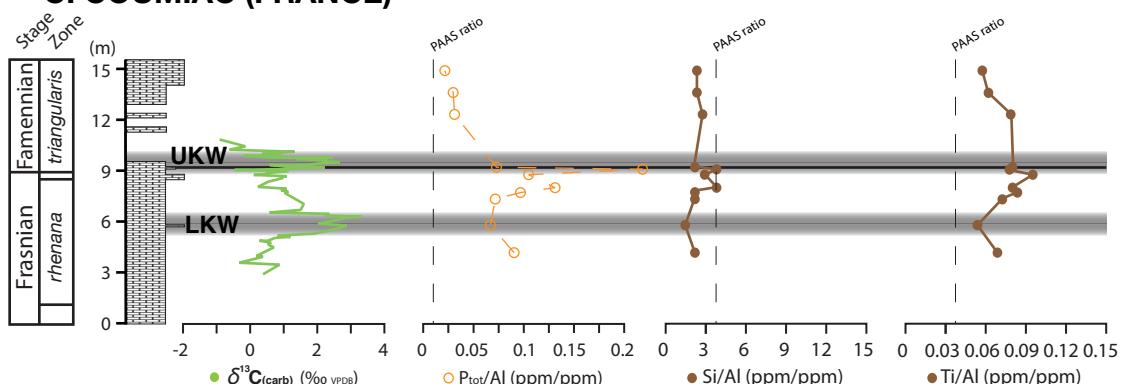
A: STEINBRUCH SCHMIDT (GERMANY)



B: KOWALA (POLAND)



C: COUMIAC (FRANCE)



D: ERFoud (MOROCCO)

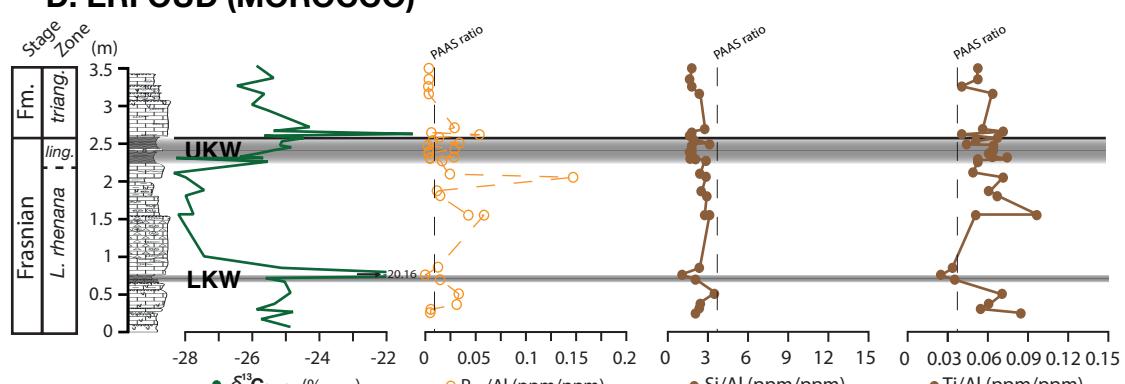
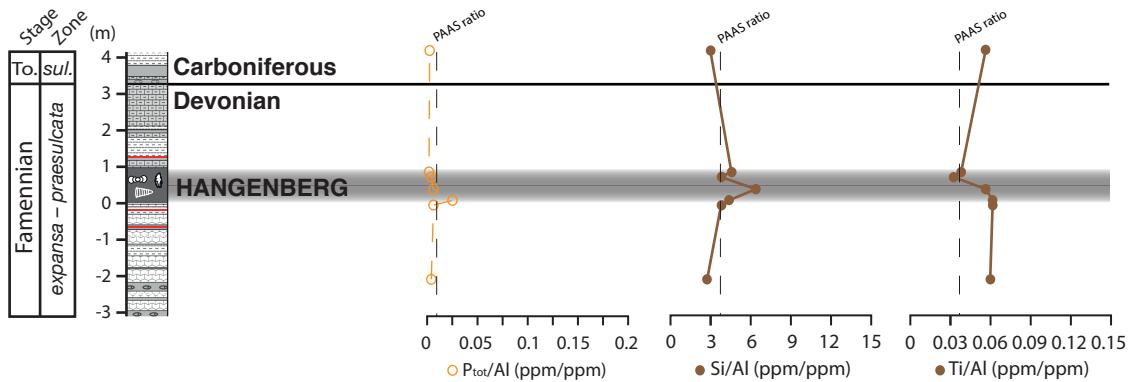


Figure 6

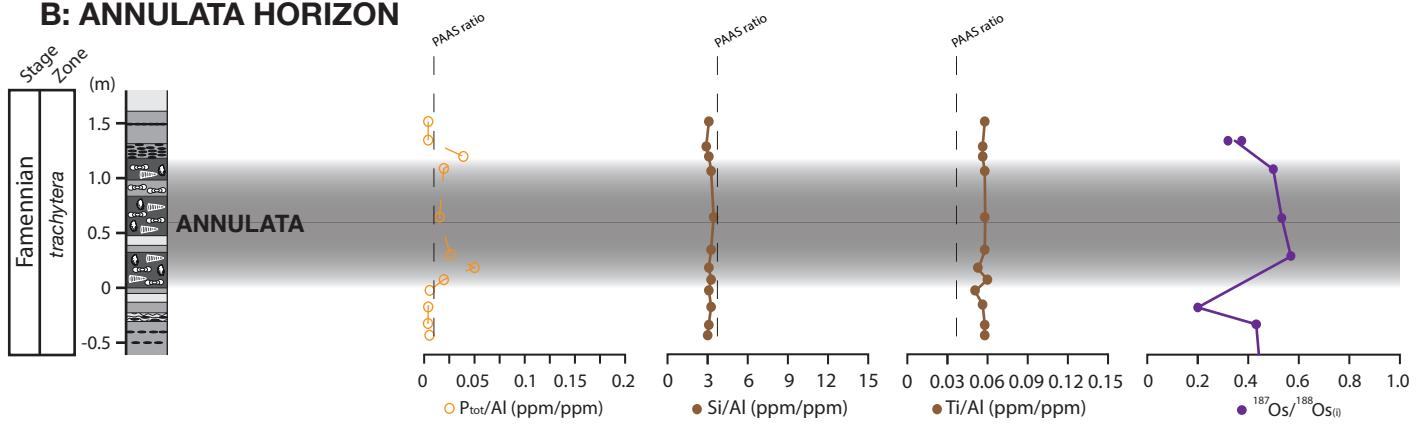
KOWALA QUARRY RECORDS

A: HANGENBERG HORIZON



LITHOLOGY: Tuffaceous claystones Marls Marly limestones Fossiliferous organic-rich shales Wavy/nodular limestones — Dated ash bed

B: ANNULATA HORIZON



LITHOLOGY: Micritic limestones Marls Fossiliferous organic-rich shales Calcareous nodules