

# Guiding signals: Mississippi Delta

Quaternary

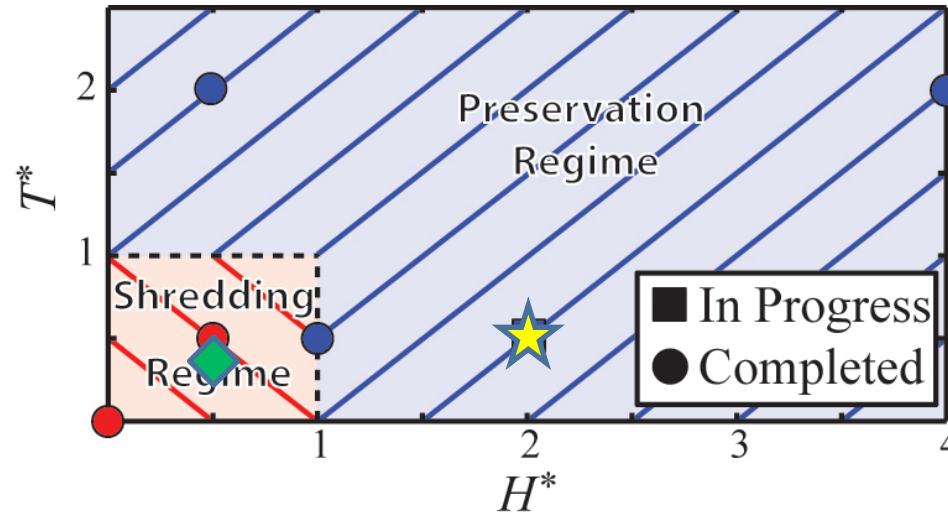


100 m

$$H^* = \frac{R_{RSL}}{H_C} = 2.0$$

100 kyr

$$T^* = \frac{T_{RSL}}{T_C} = 0.46$$



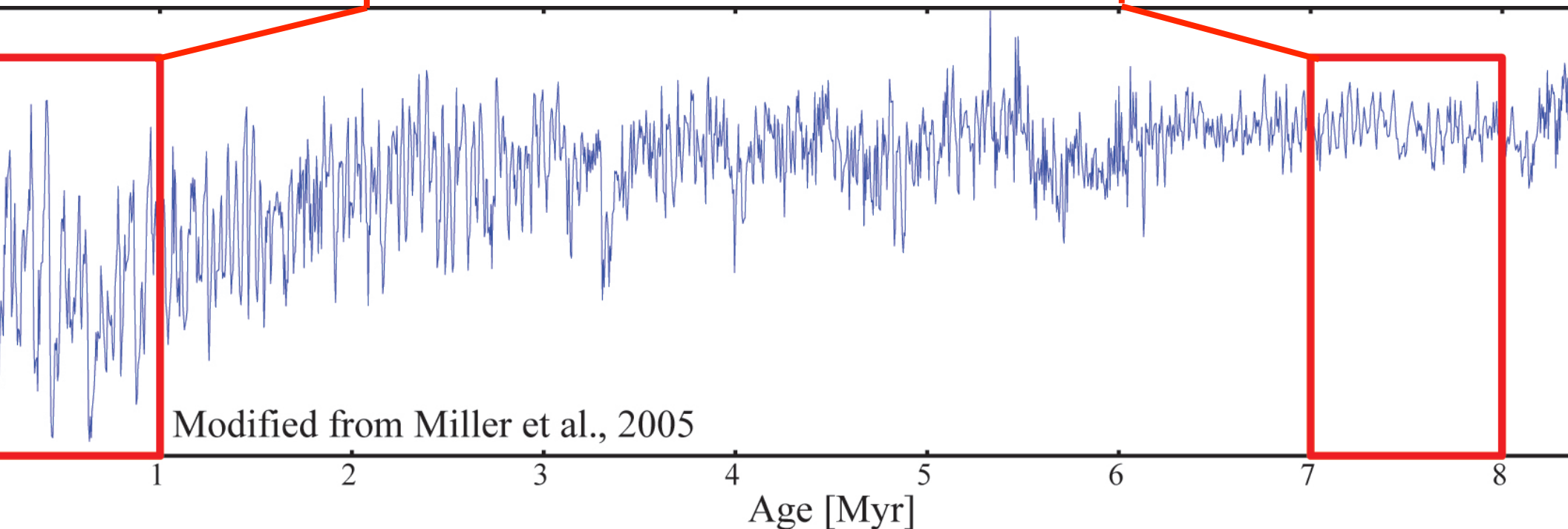
Late Miocene

$$R_{RSL} = 25 \text{ m}$$

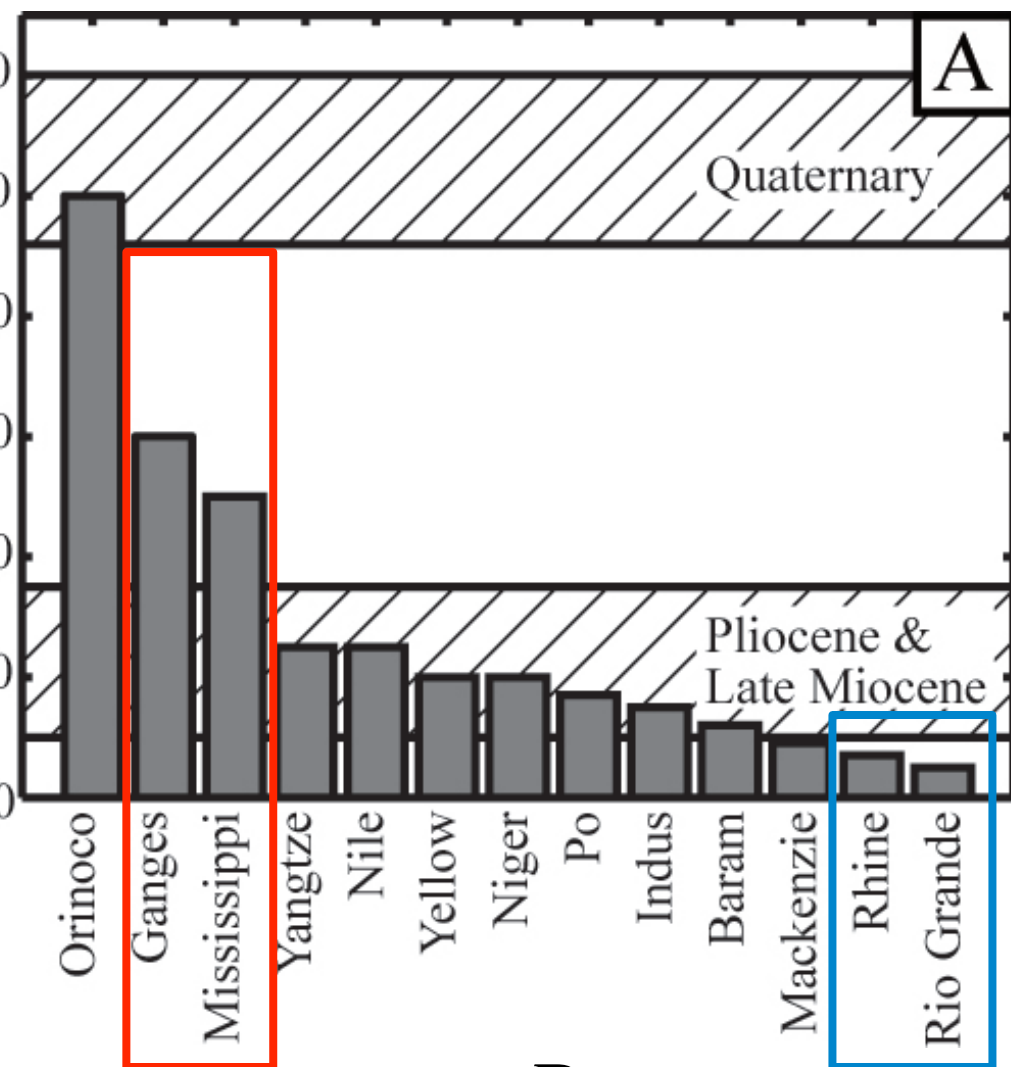
$$H^* = \frac{R_{RSL}}{H_C}$$

$$T_{RSL} = 40 \text{ kyr}$$

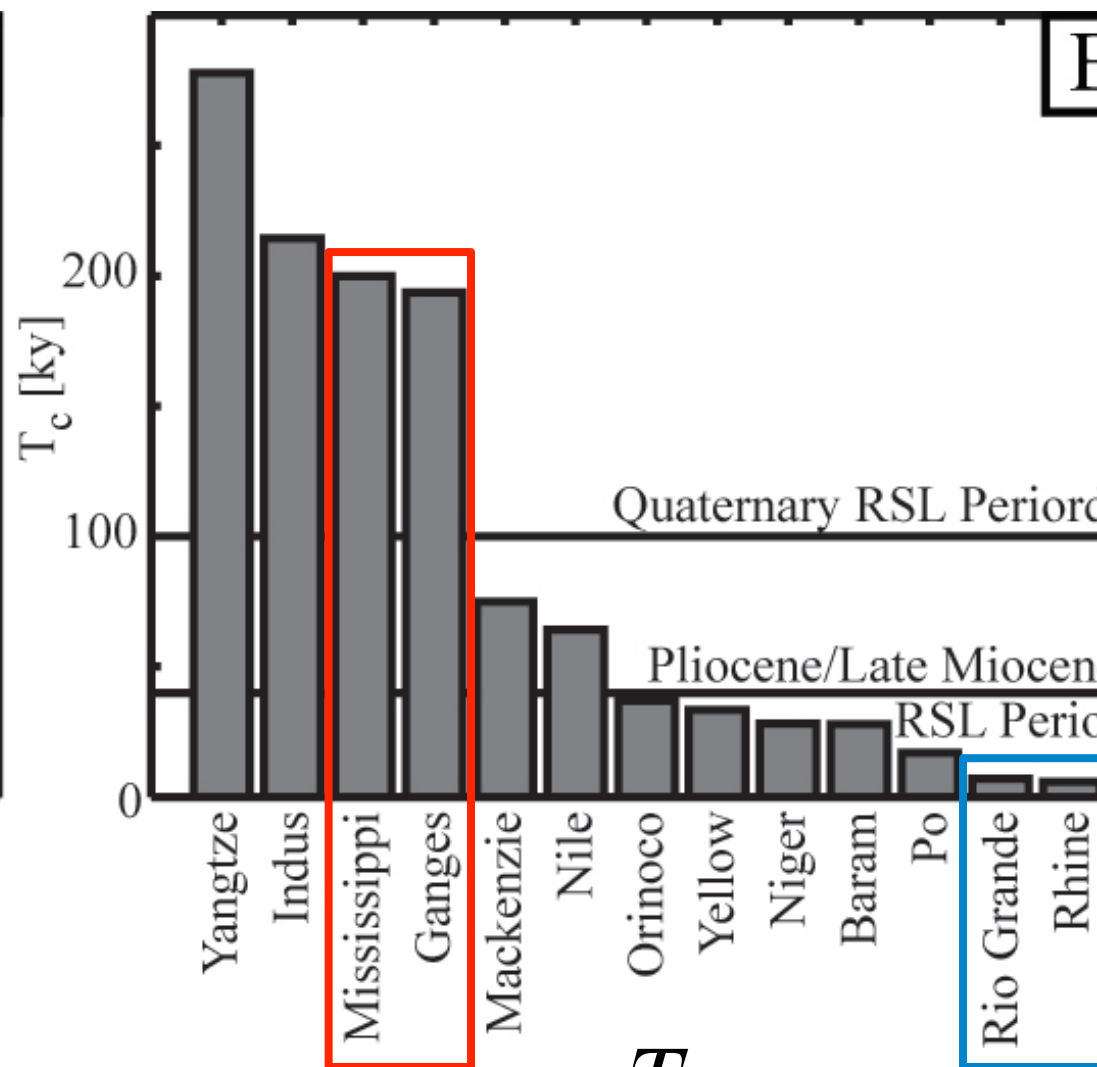
$$T^* = \frac{T_{RSL}}{T_C}$$



# 's river deltas and signals: a comparison of scales

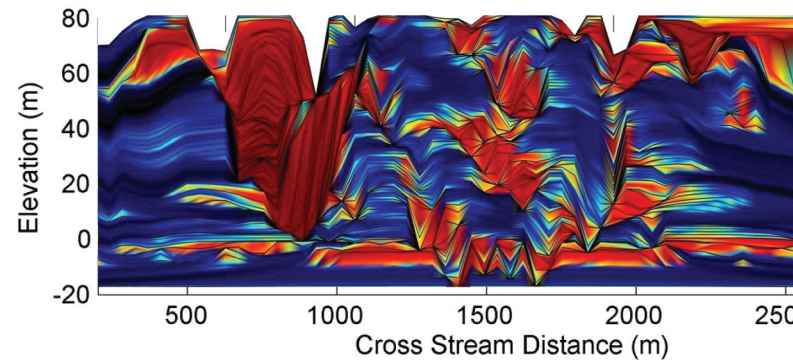
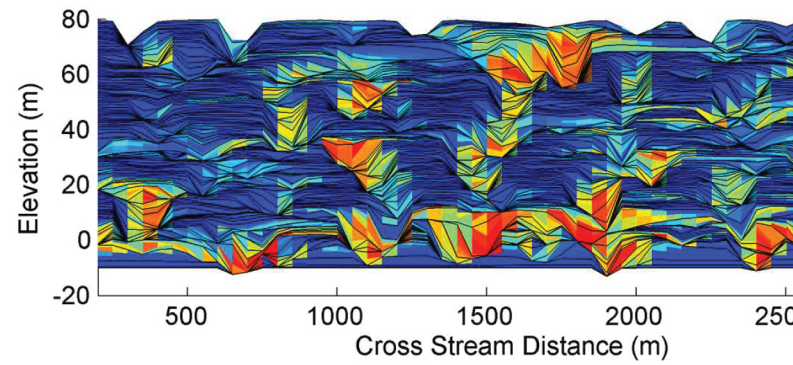
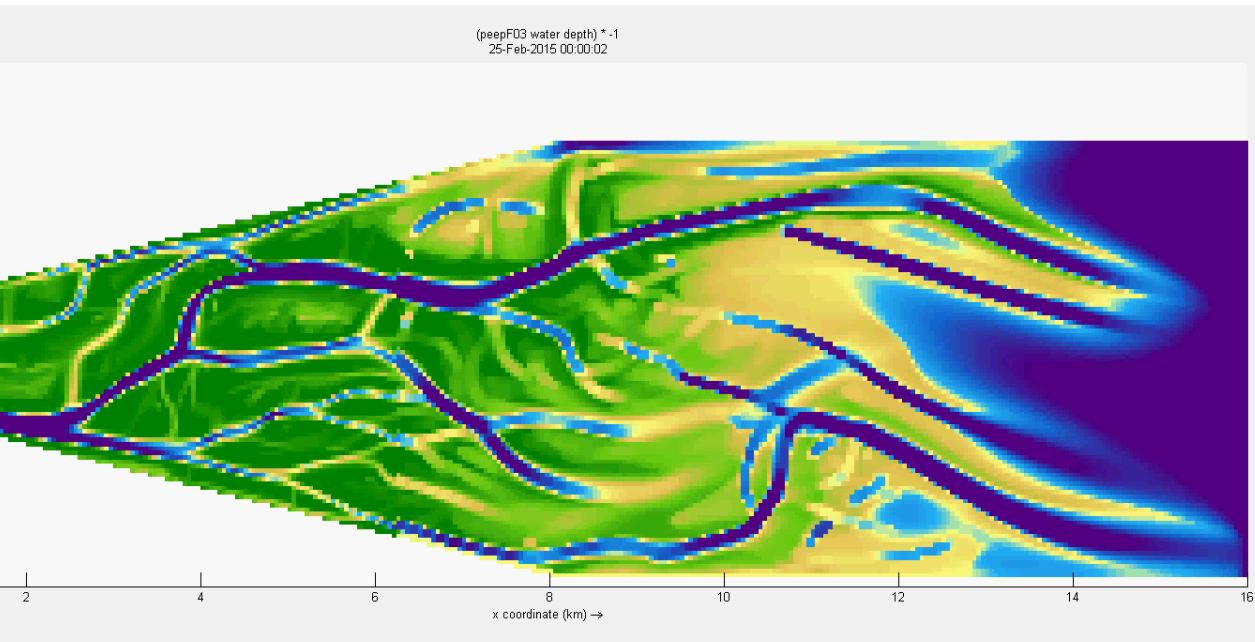


$$H^* = \frac{R_{RSL}}{H_C}$$



$$T^* = \frac{T_{RSL}}{T_C}$$

# ng Work



Work of C. Esposi

are currently exploring RSL cycle signal shredding in Delft3D numerical experim



# Geography: The Best Record We Have...

---



Geography does contain the most complete record of Earth history available  
but...

Proper understanding of the processes associated with its generation and the  
its associated with the record's fidelity (**imposed by gaps in the record and  
togenic processes**) are necessary to accurately decode this record