

# Guiding signals: Mississippi Delta

Quaternary

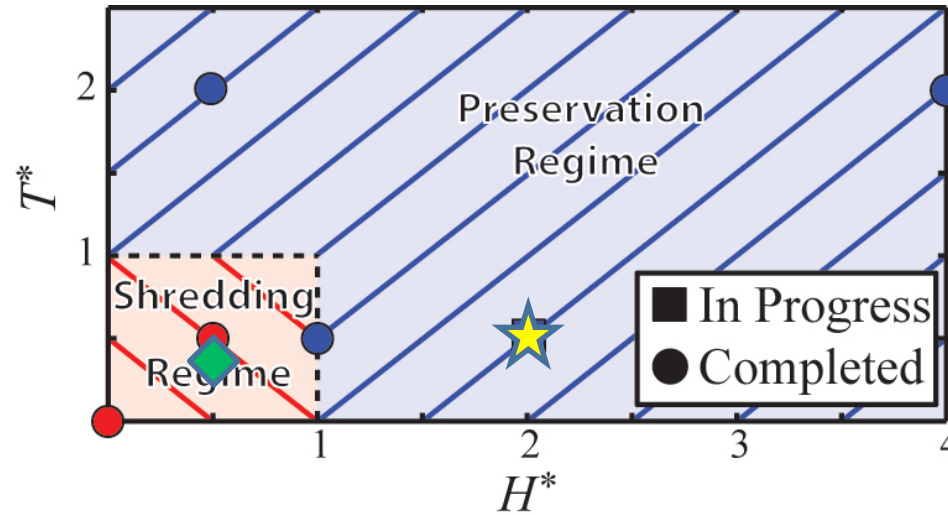


100 m

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

100 kyr

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



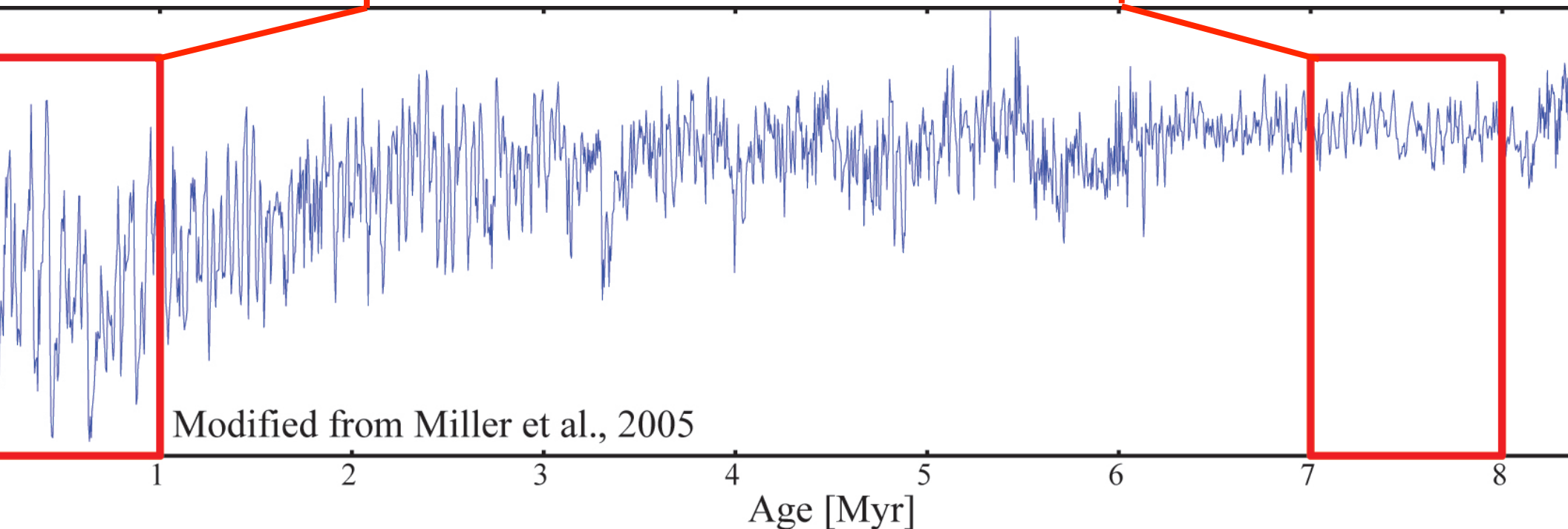
Late Miocene

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

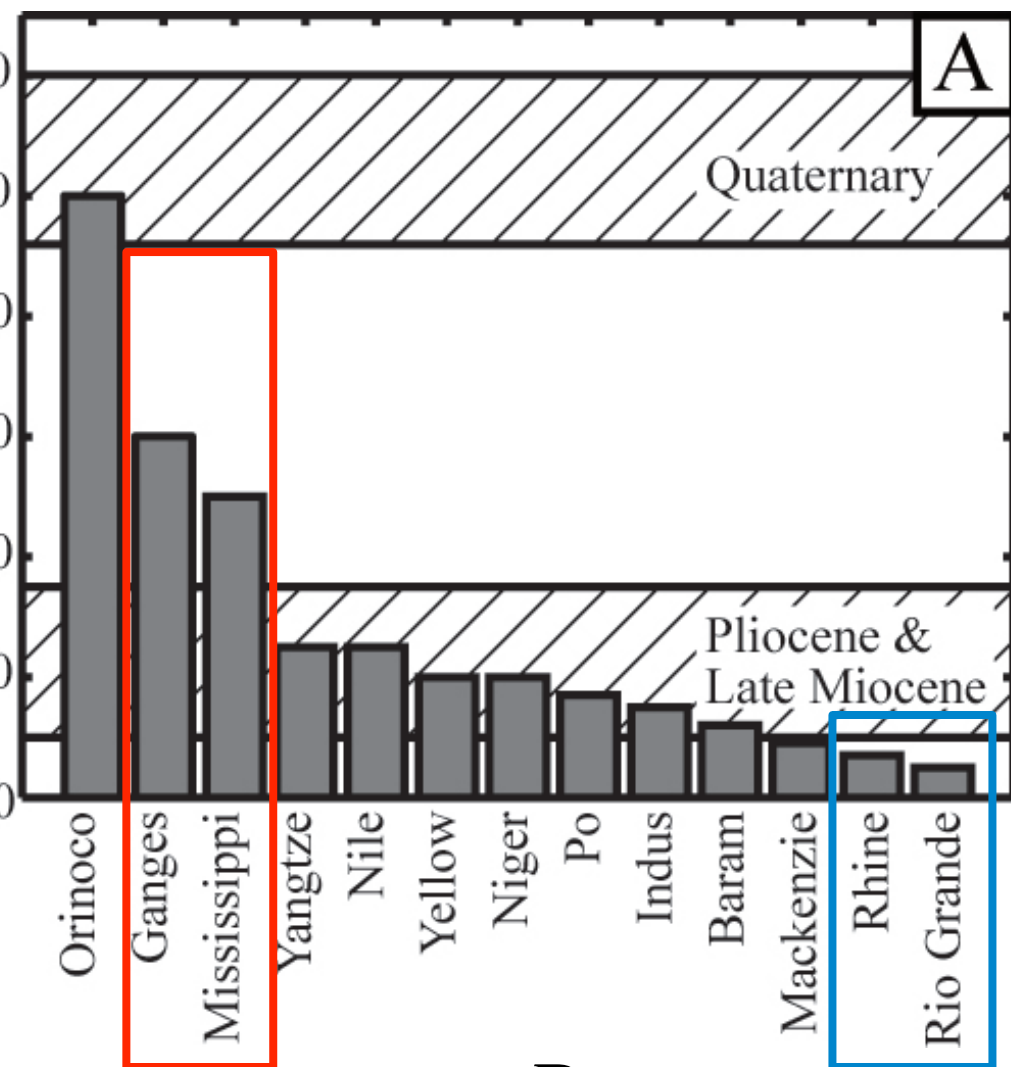
$$H^* = \frac{R_{RSL}}{H_C}$$

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

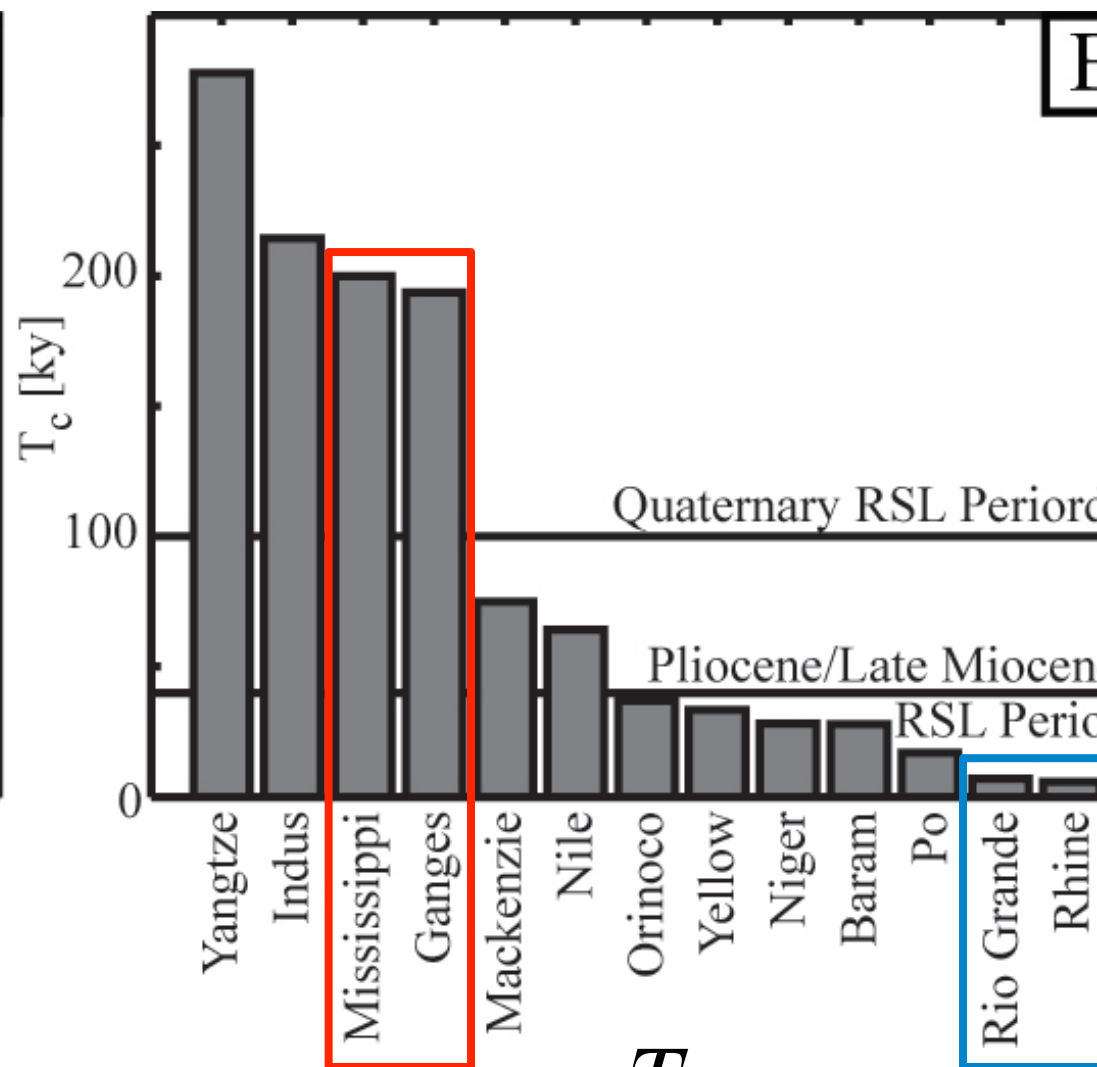
$$T^* = \frac{T_{RSL}}{T_C}$$



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

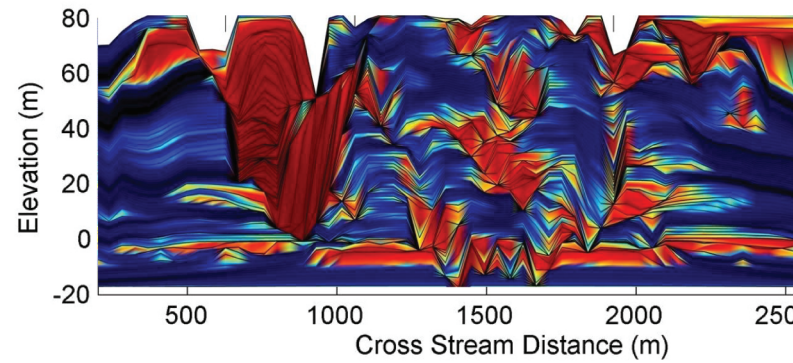
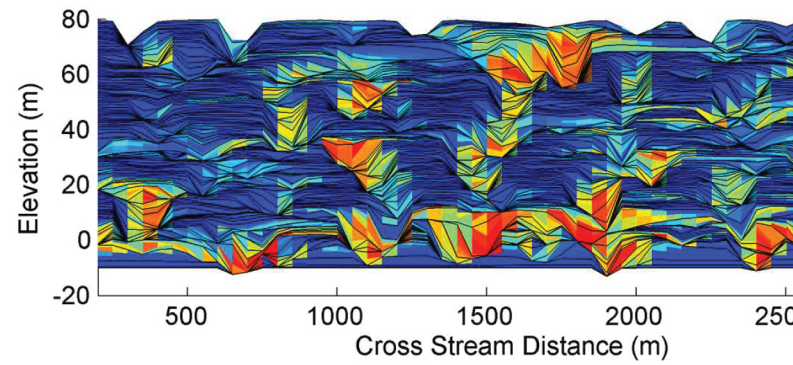
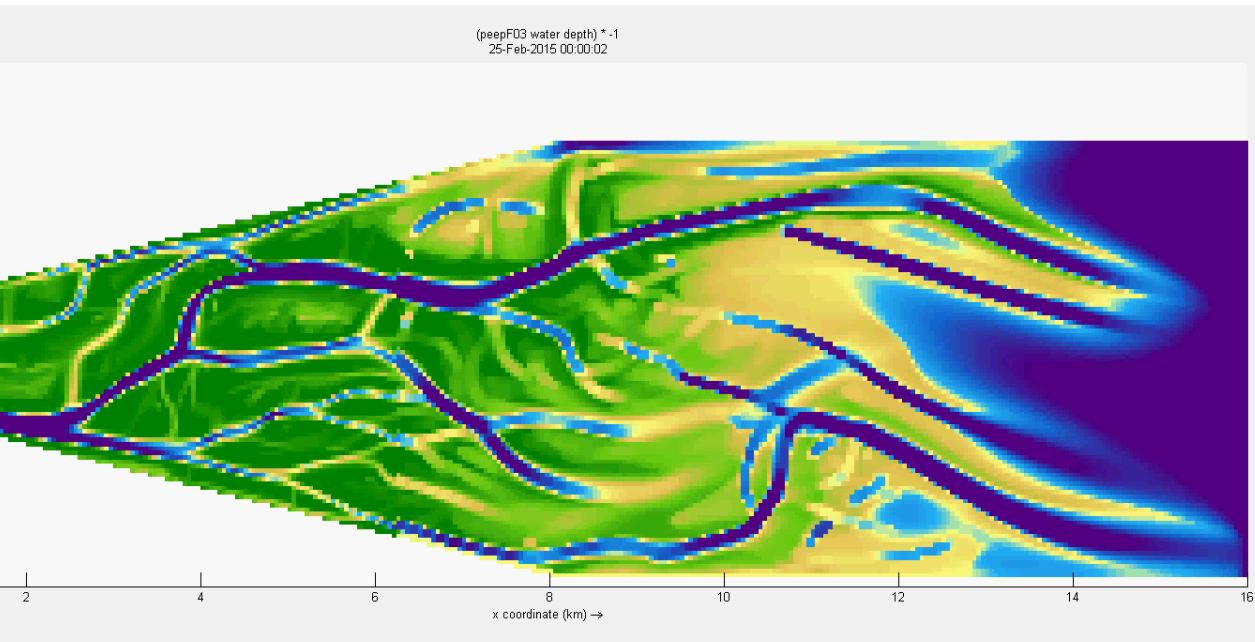


$$H^* = \frac{R_{RSL}}{H_C}$$



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

# ing 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