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Carbonate delta drift: a new sediment drift type

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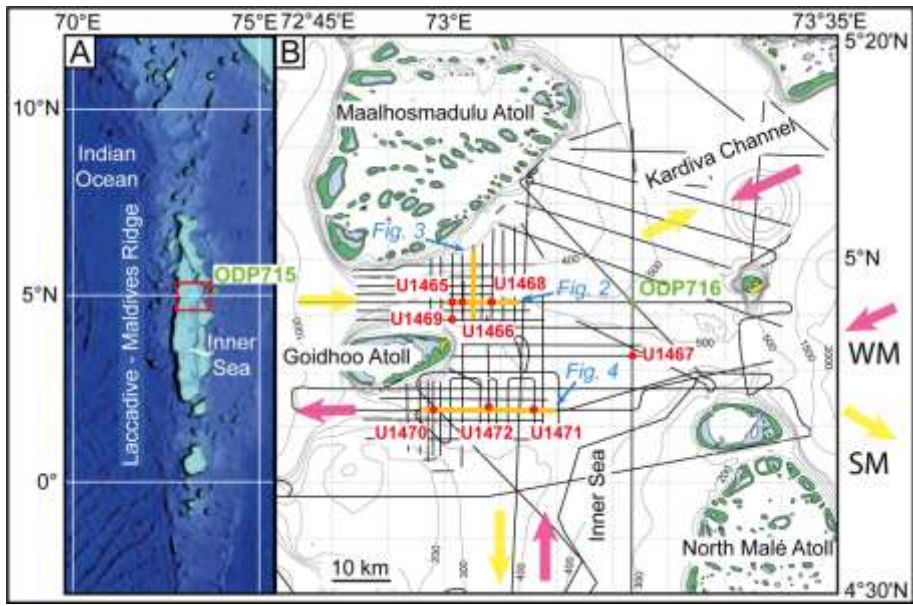


Fig. 1

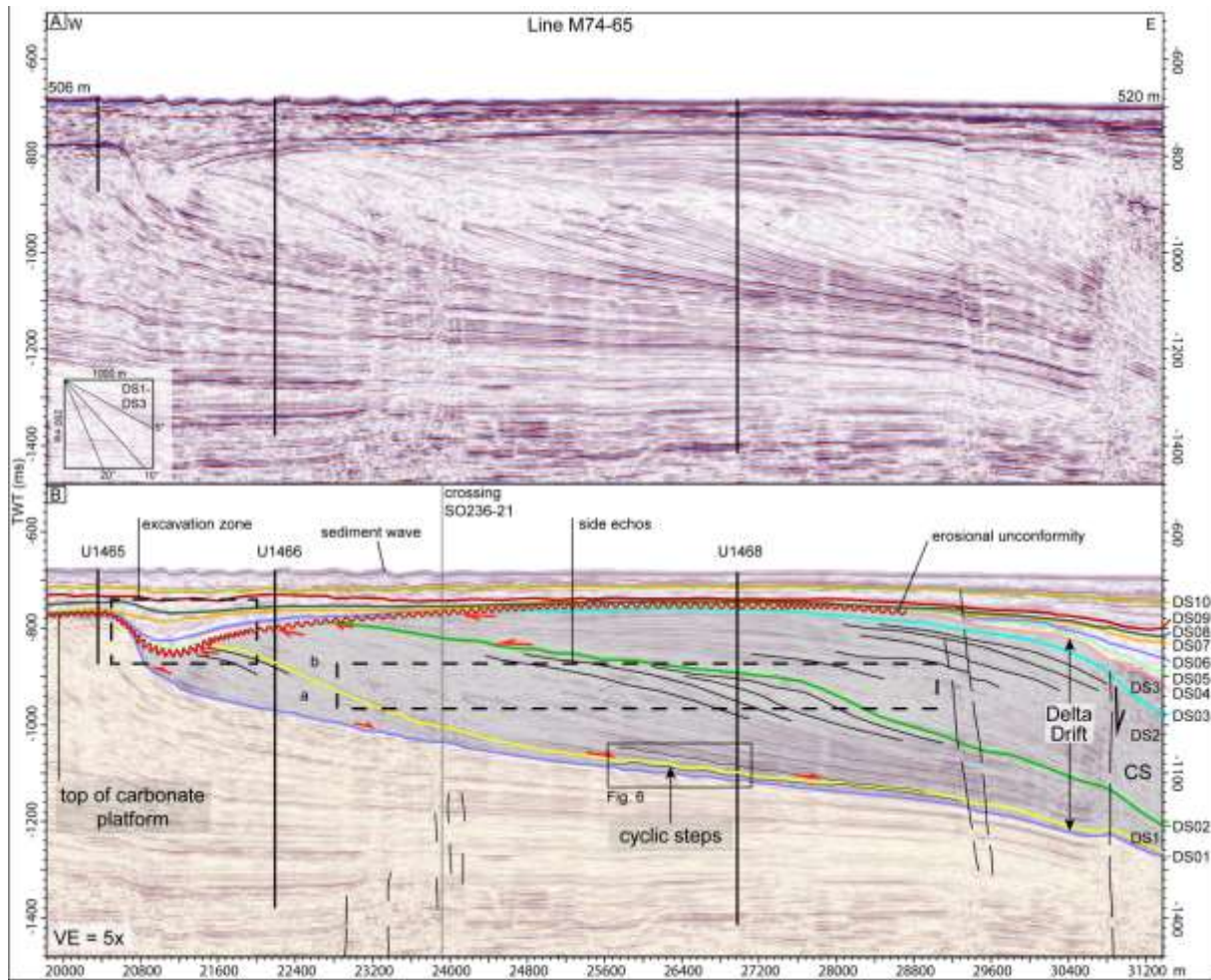


Fig. 2

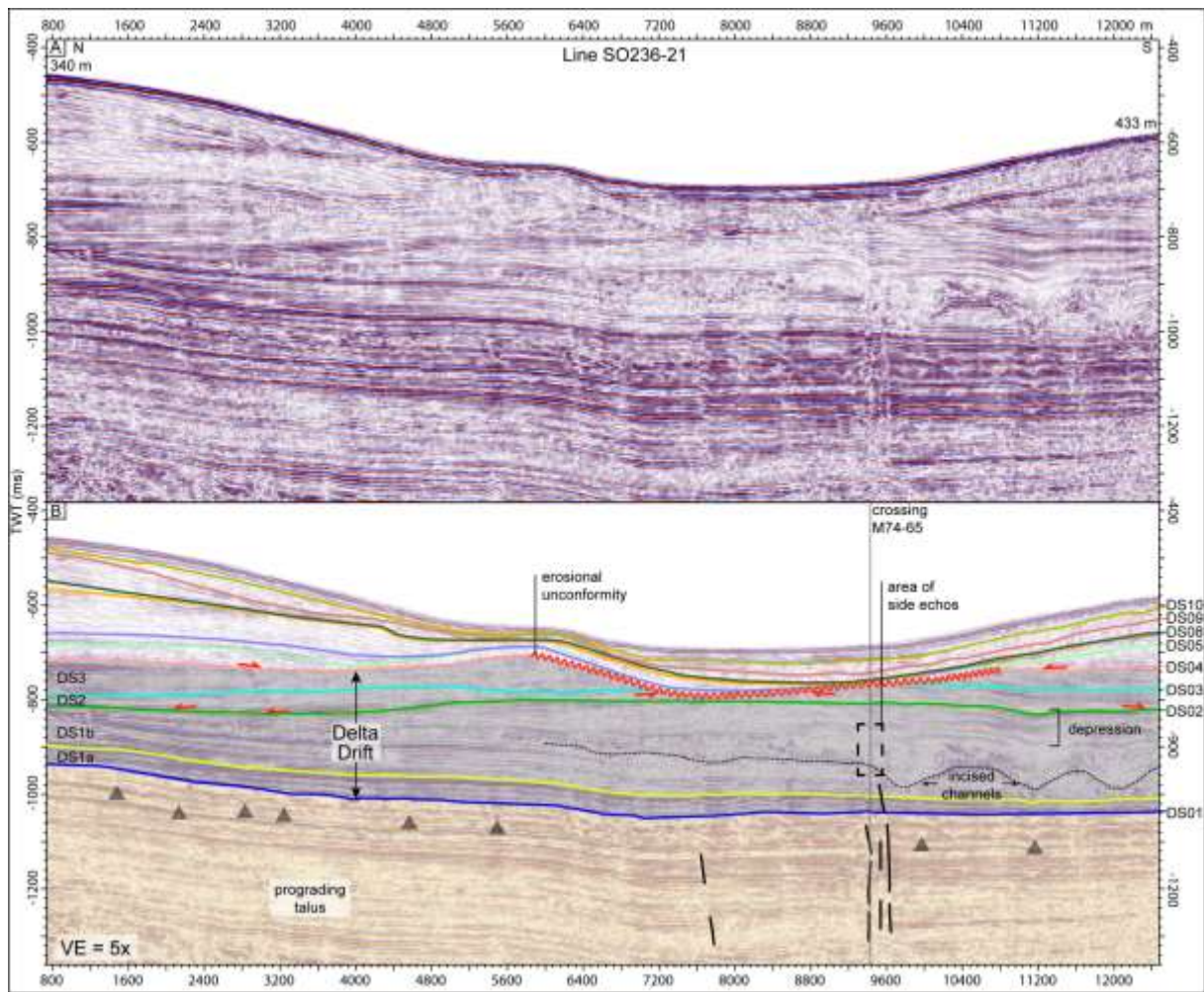


Fig. 3

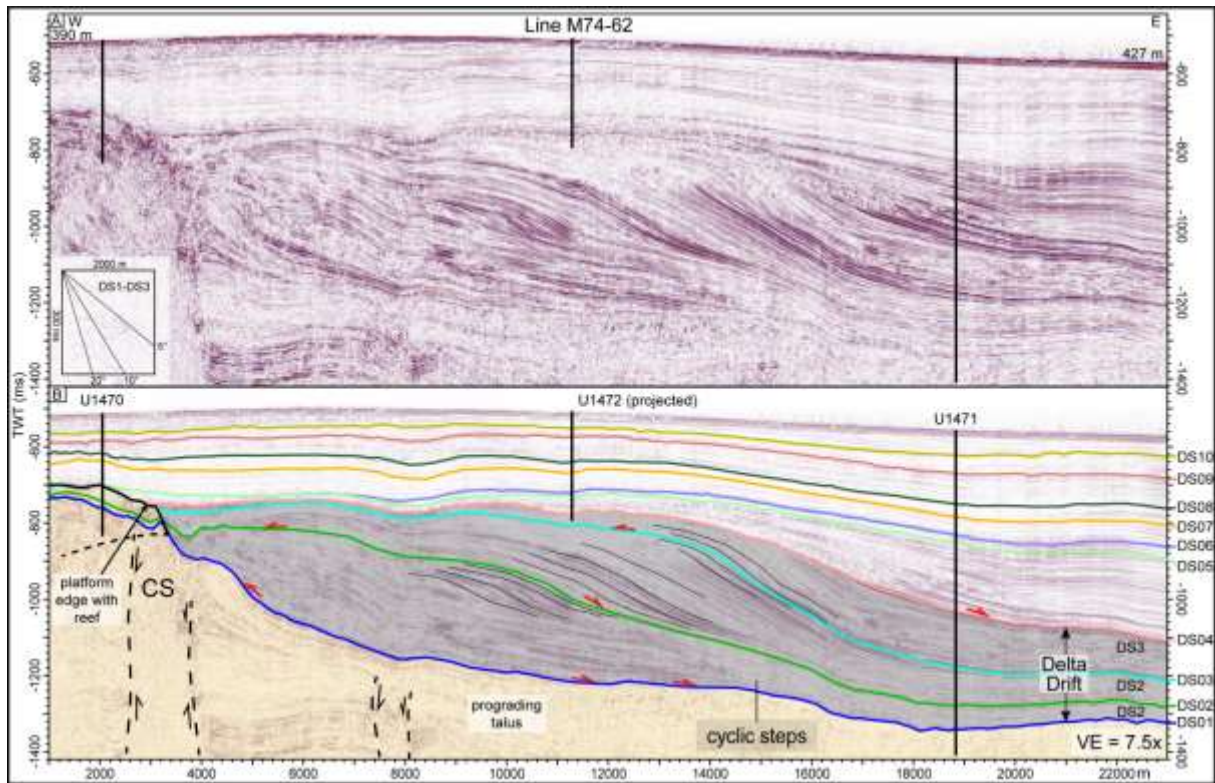


Fig. 4

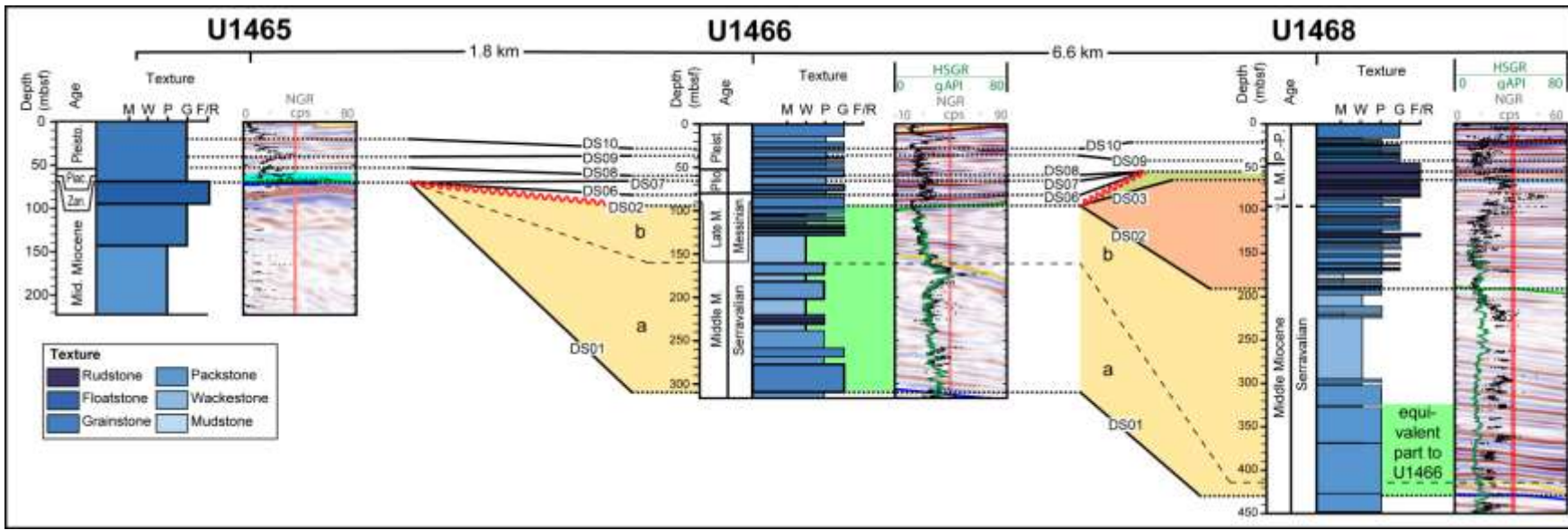


Fig. 5

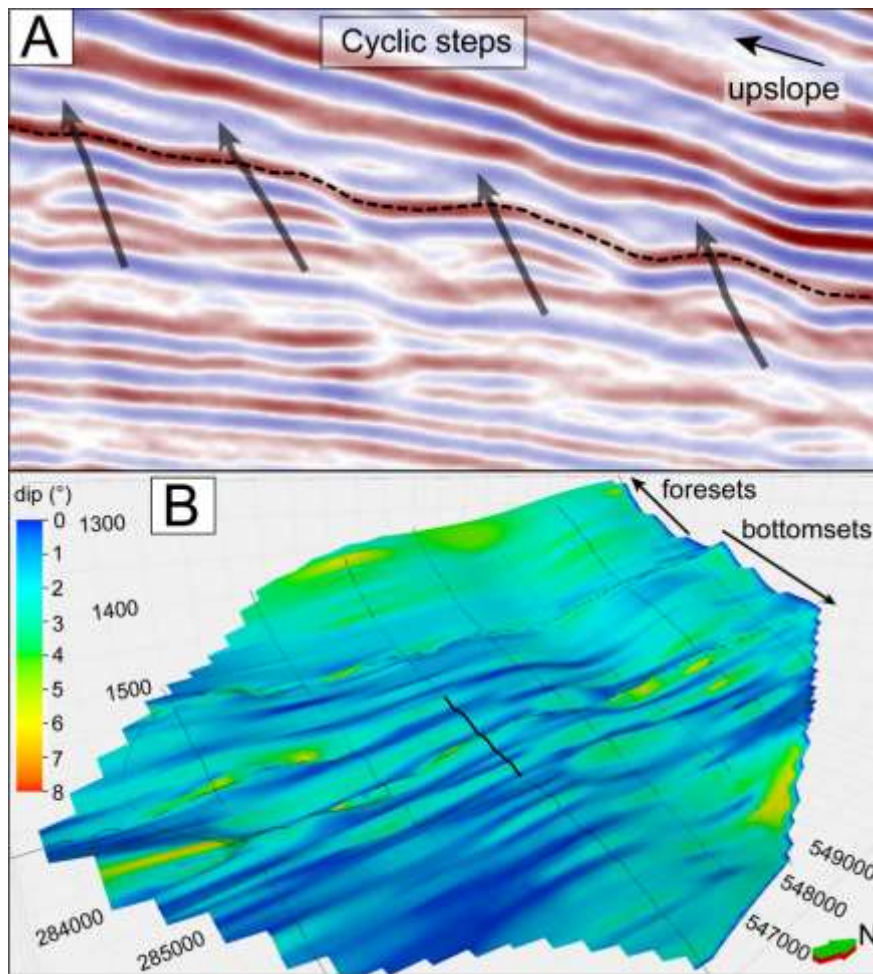


Fig. 6

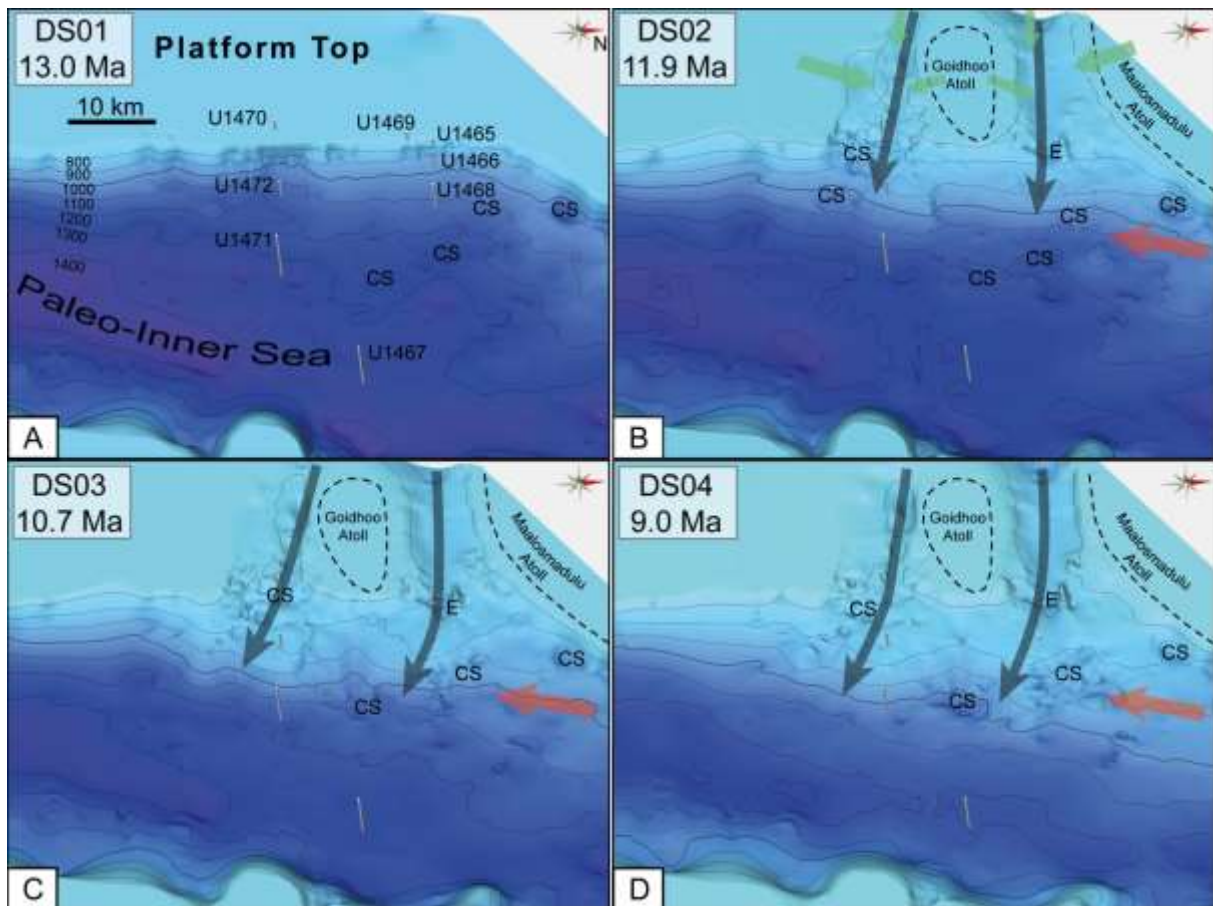


Fig. 7

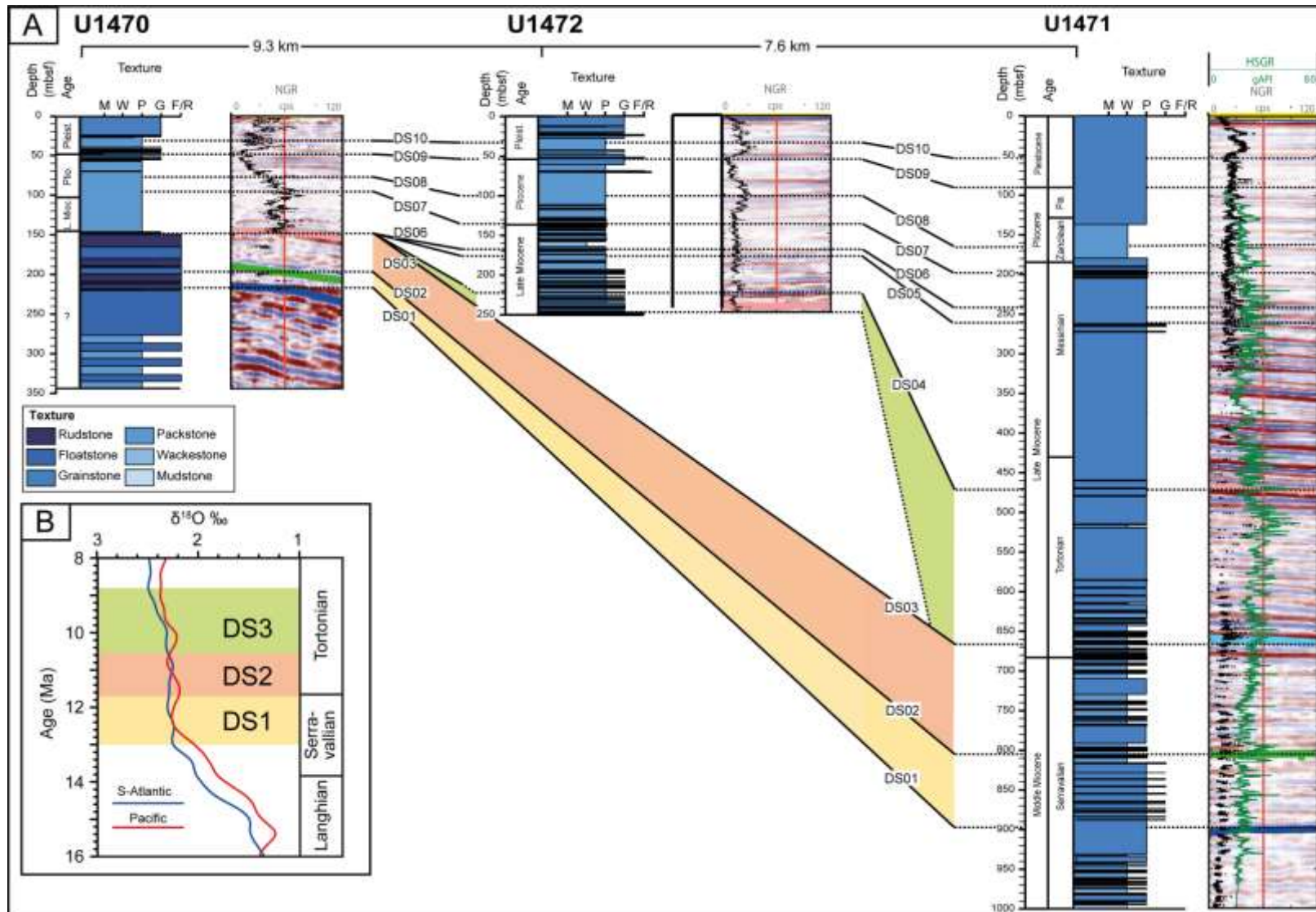


Fig. 8

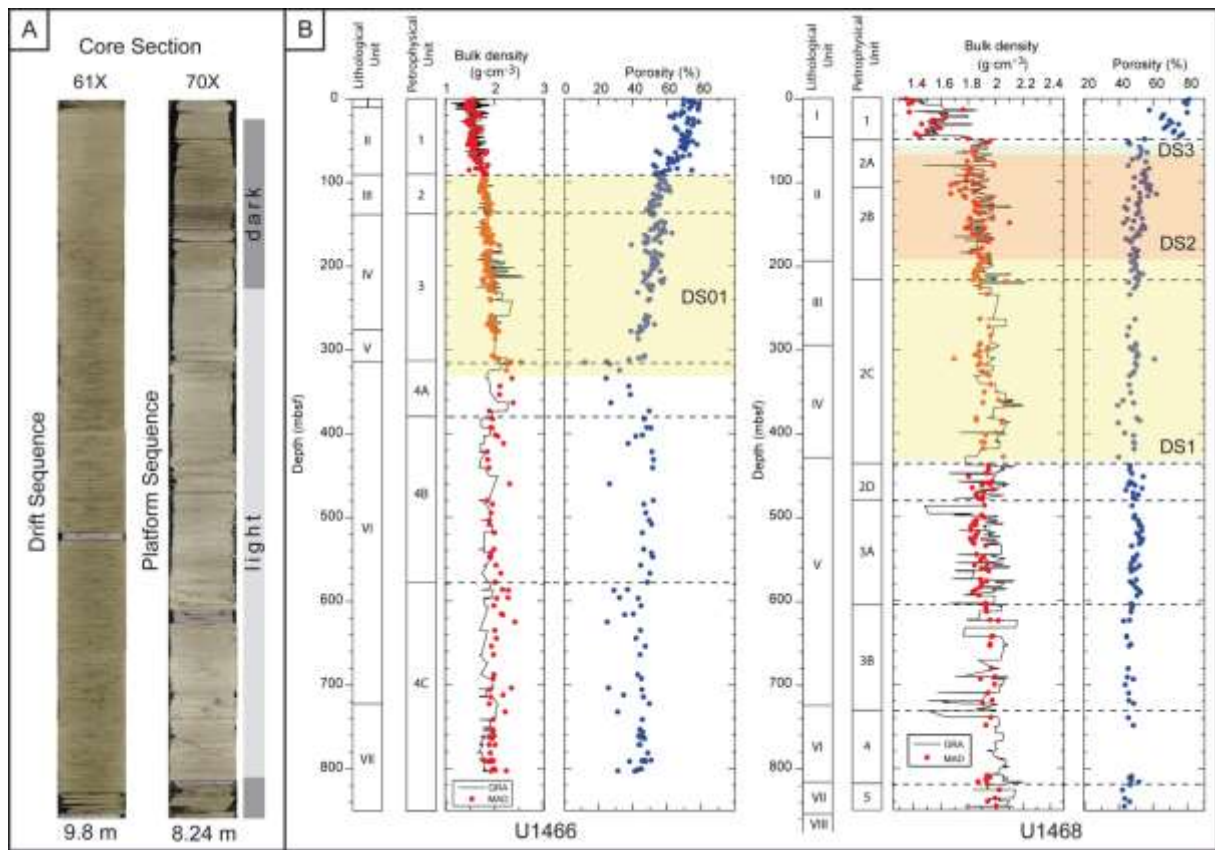


Fig. 9

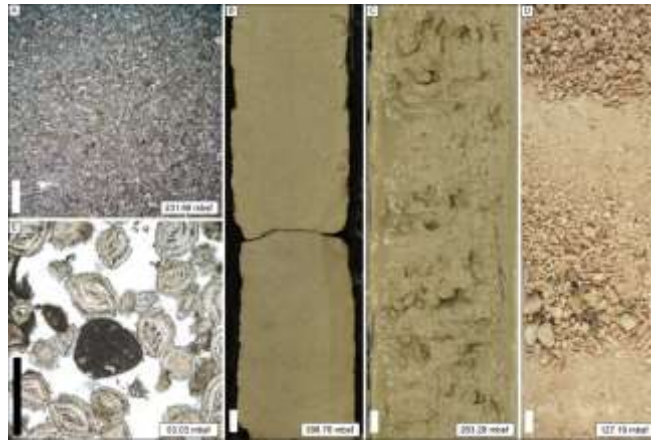


Fig. 10

Characteristics of delta drift			
Fabrics/Textures	Dominant Grain Size Range	Sedimentary Features	Bedding Style
generally sand size-dominated; proximal part: coarsening upward; bioclastic pkstn-gnstn to gnstn-rdstn; distal part: bioclastic wkstn-pkstn	proximal part: coarsening upward; medium to fine to granular-coarse; distal part: very fine to fine	medium to pervasive bioturbation; well-sorted; normal- to inverse grading; hardgrounds; chalk	no-lamination or bedding; tabular sheets; intervals of varying tectures; strike and dip lengths up to kms
<p>Architecture</p> <p>Strike View:</p> <p>Dip View:</p> <p>Clinoforn</p>			
Geometry	Transport Processes	Source Factory	Resedimentation Process
width: 16-17 km length: ca. 25 km volume: 142-185 km ³ slope angles: 1°-3° (upper) 3°-5° (middle)	quasi-steady concentrated flow; predominantly downslope, subordinate along-slope	skeletal grains, bioclast, from platform-top and gateway; surface water primary production	wind-driven bottom current transport and erosion; offbank sweeping from waves and tidal or wind currents; water column fallout (pelagic)

Fig. 11