

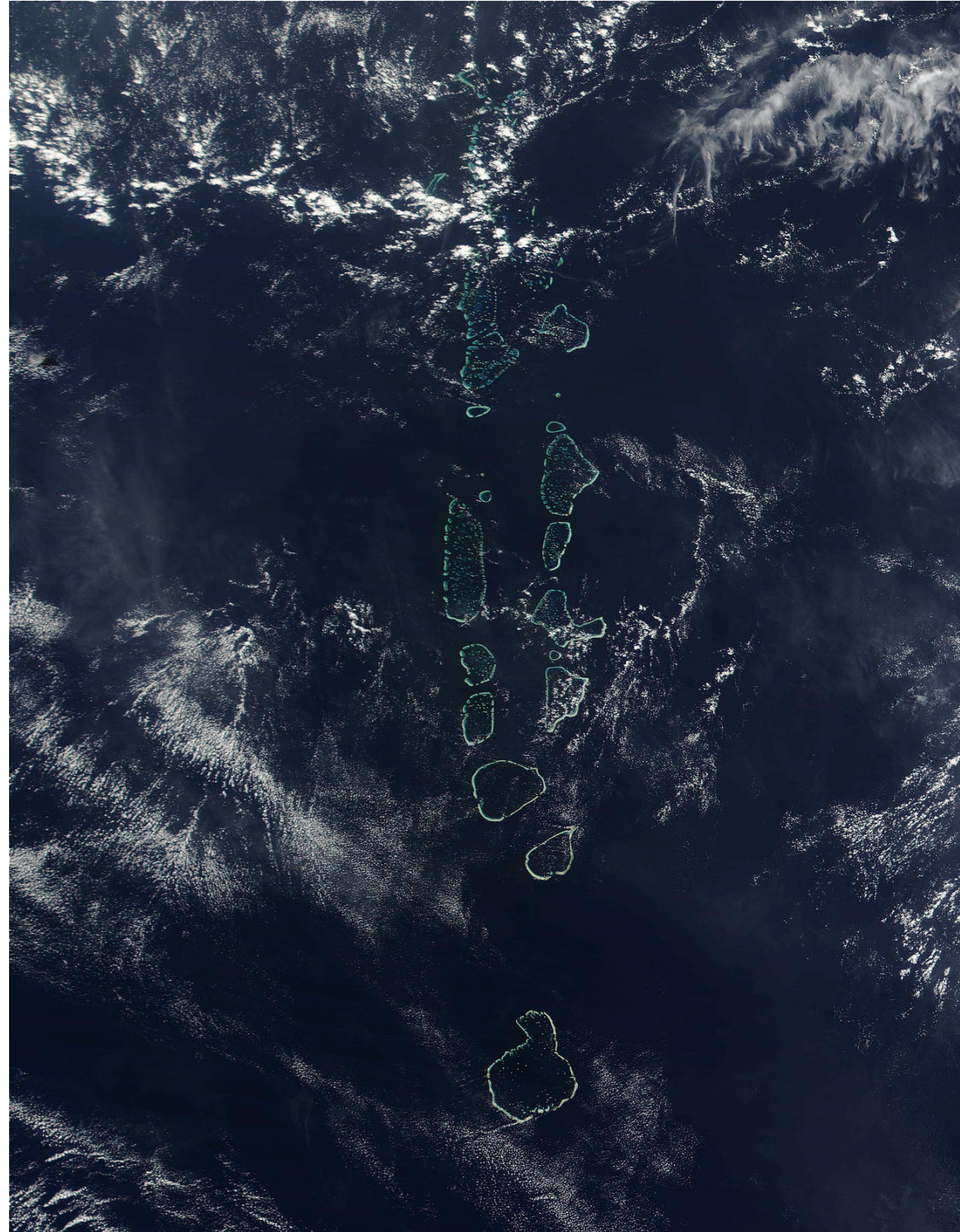
Lecture 17: Carbonate Stratigraphy in the Maldives



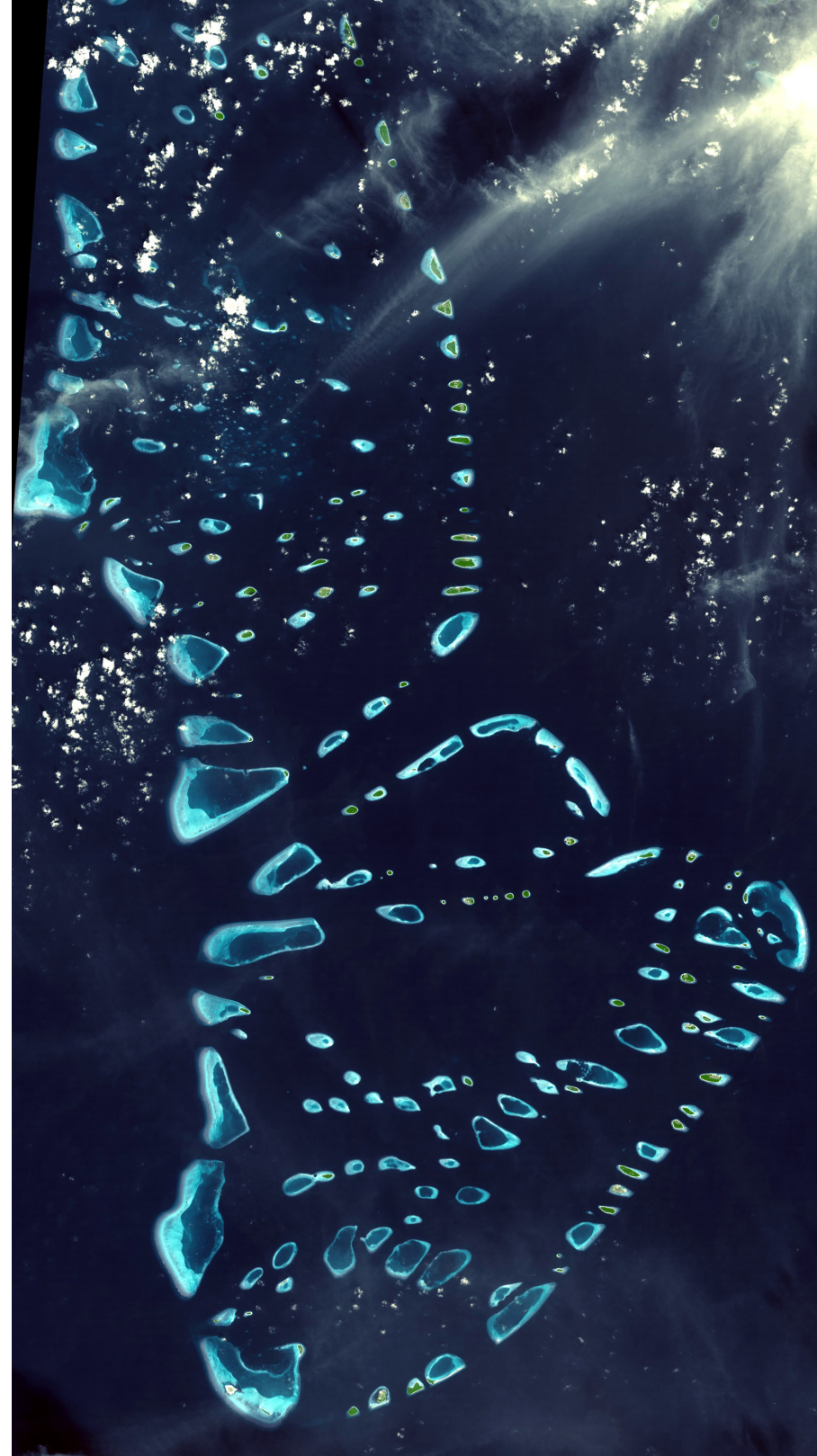
We acknowledge and respect the ləkʷəŋən peoples on whose traditional territory the university stands and the Songhees, Esquimalt and W̱SÁNEĆ peoples whose historical relationships with the land continue to this day.



The Maldives

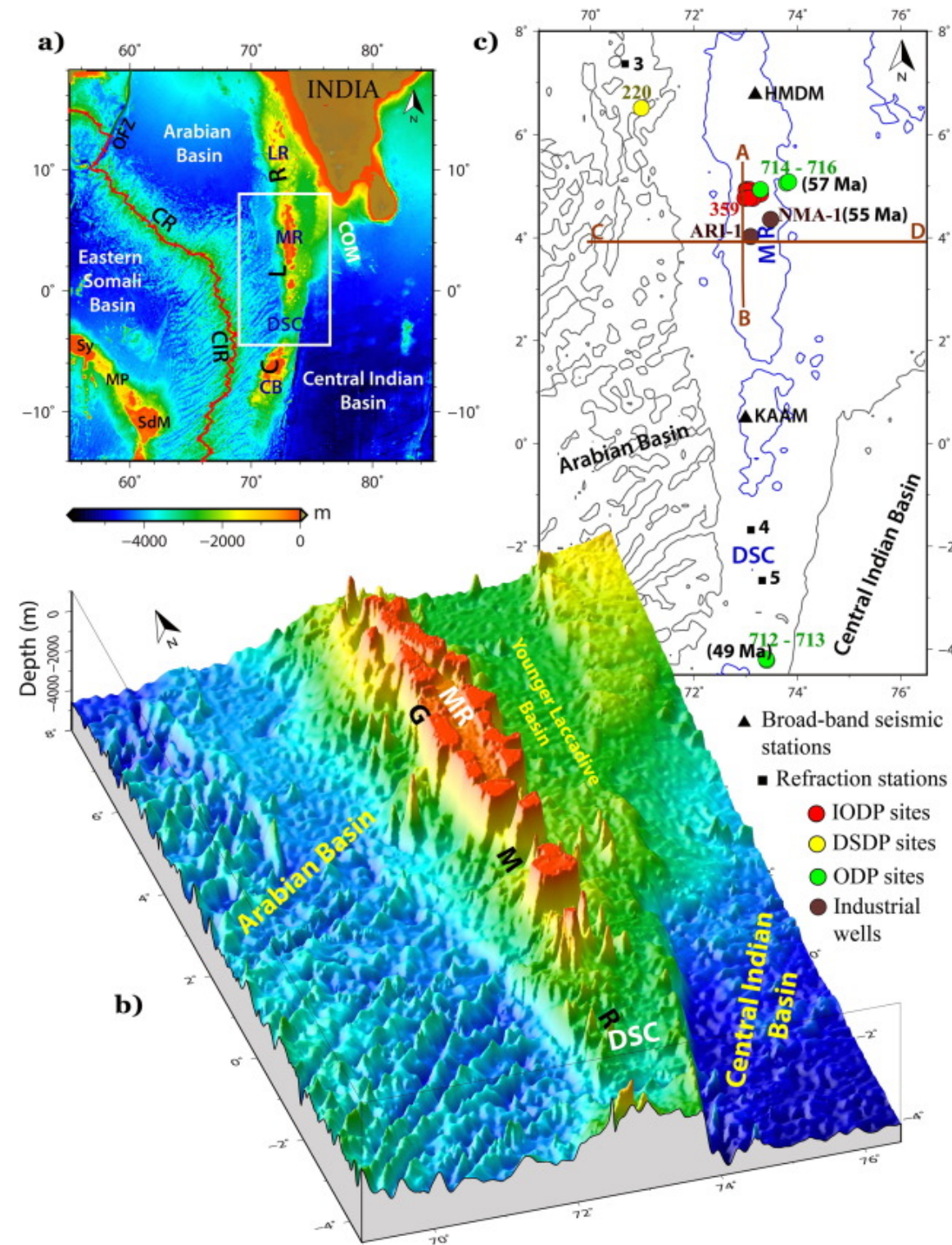


The Maldives

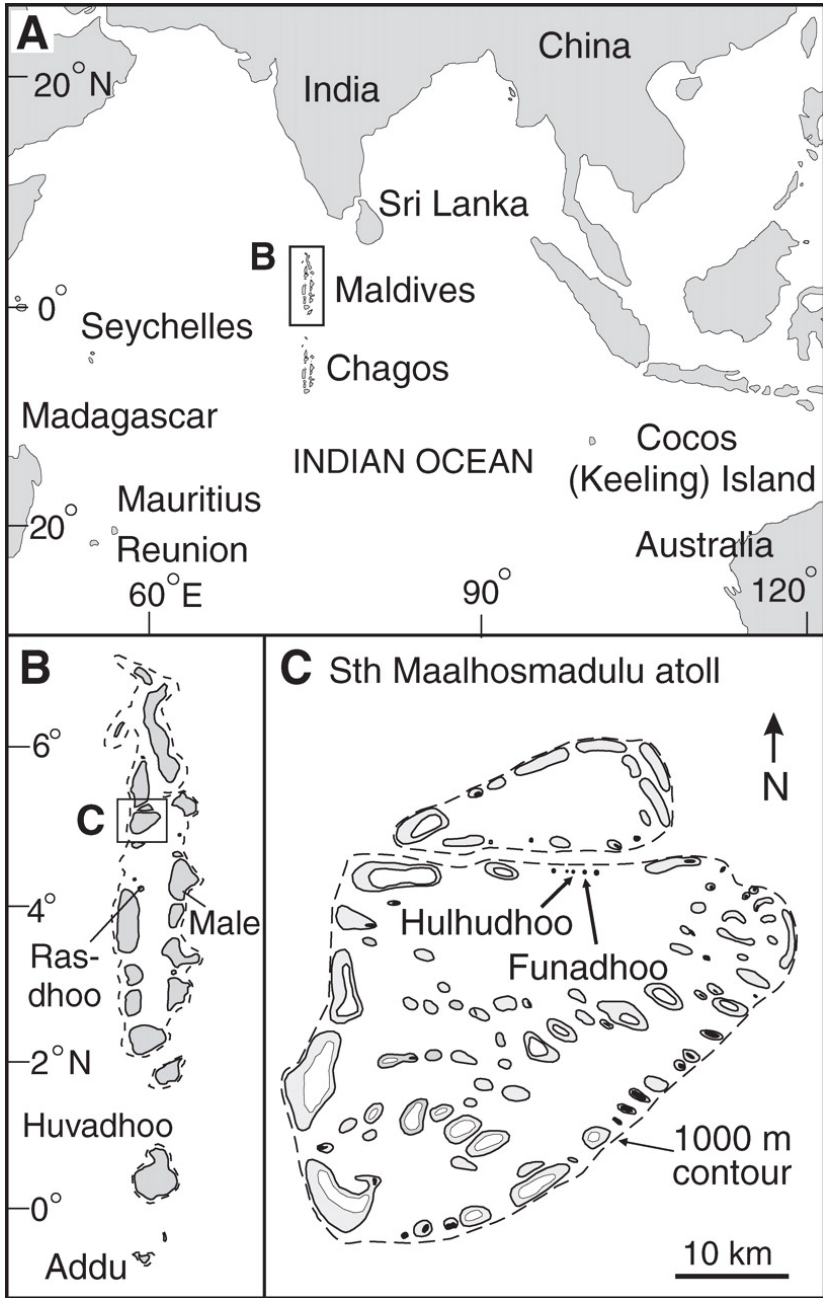


Geologic context: volcanic ridge (not a spreading center)

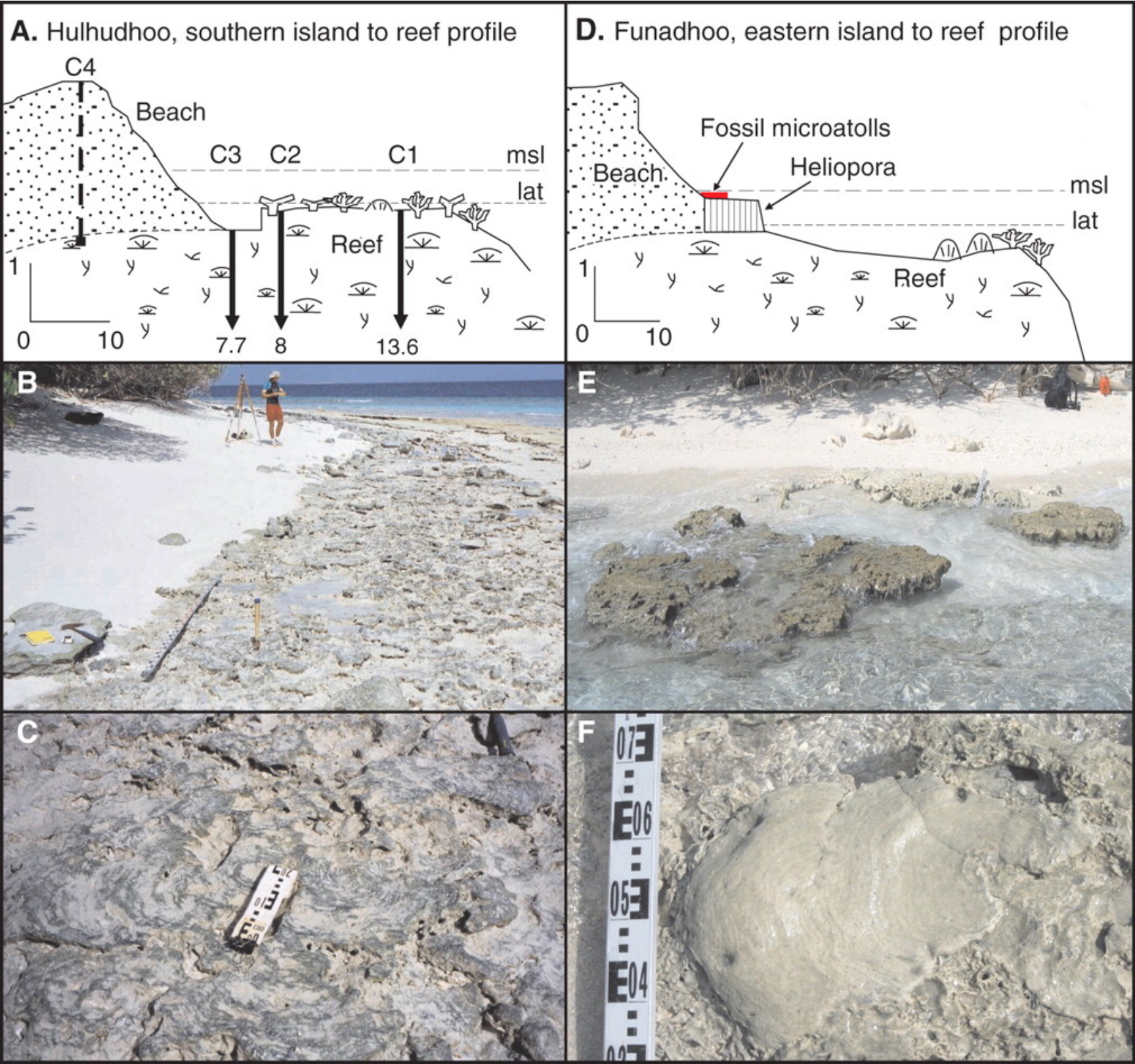
Why are ridges high? What do you think the long term trend in RSL is?



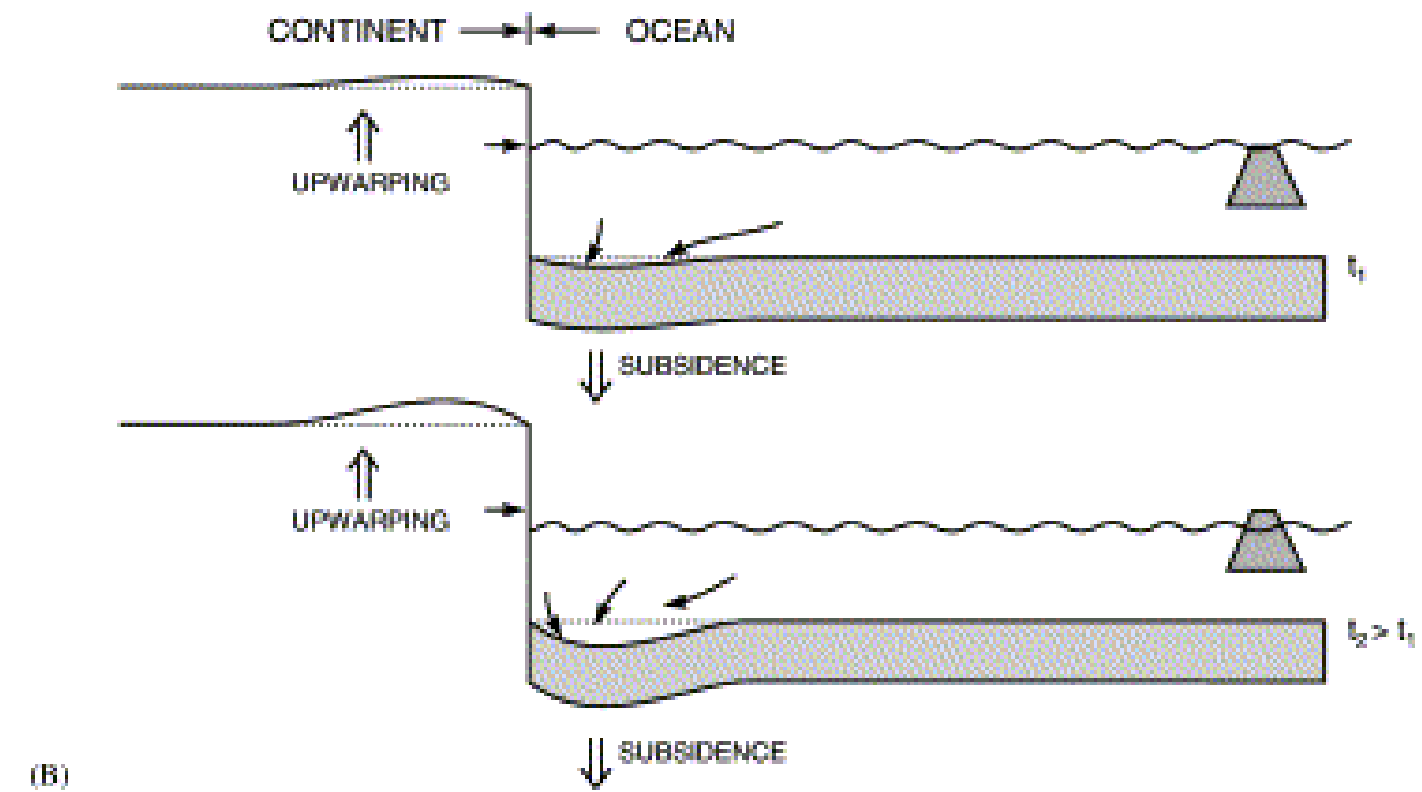
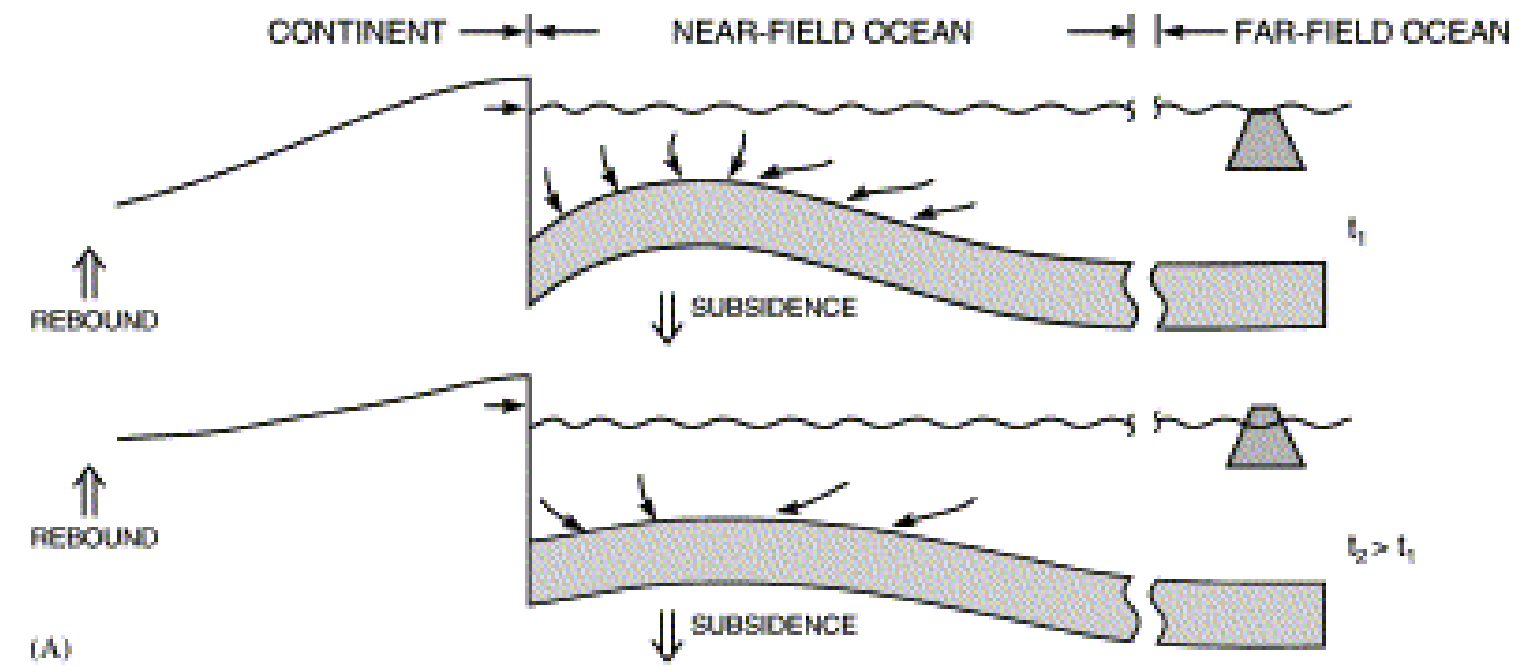
Holocene Reefs in the Maldives



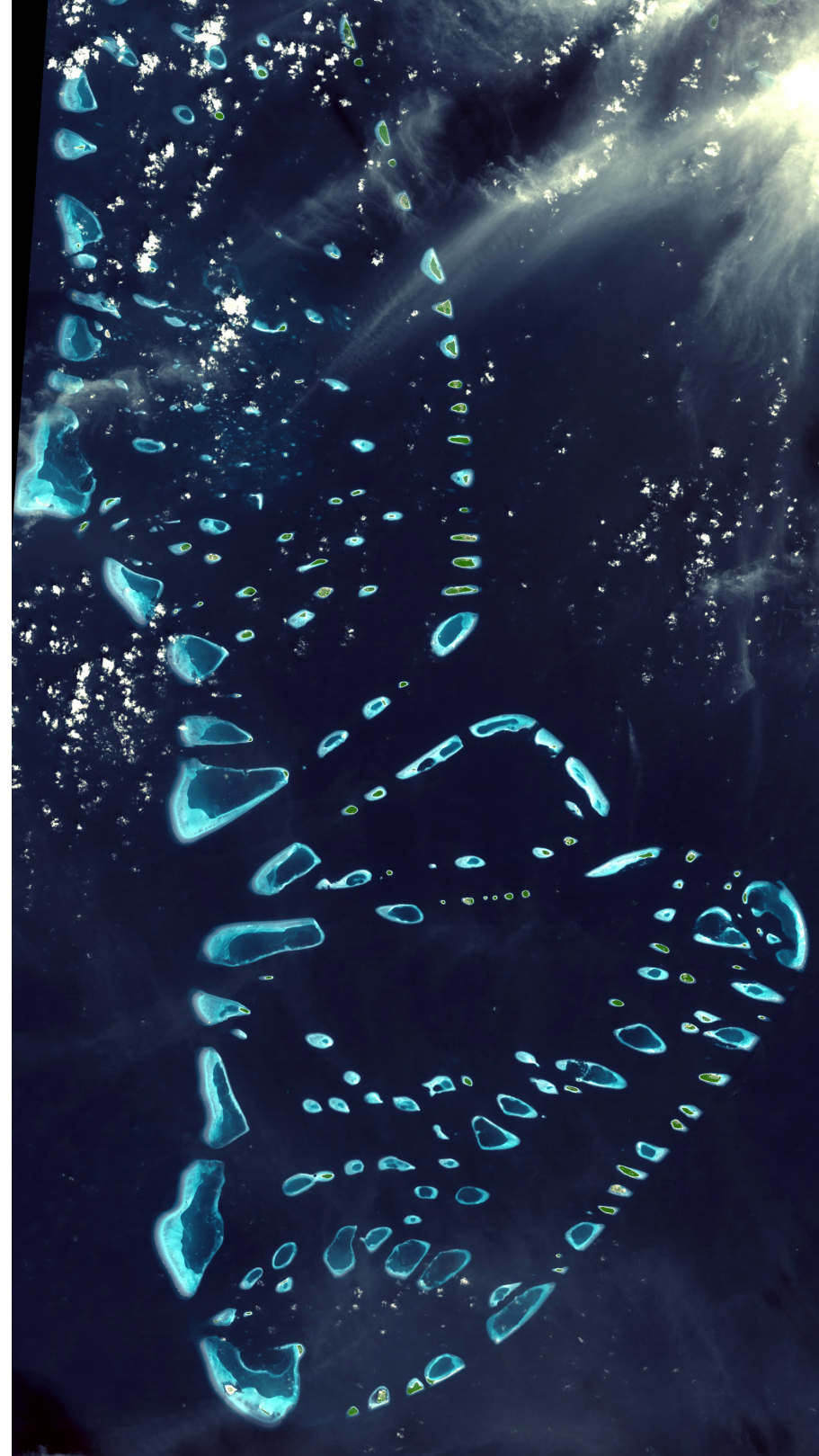
Holocene Reefs in the Maldives



Holocene Reefs in the Maldives

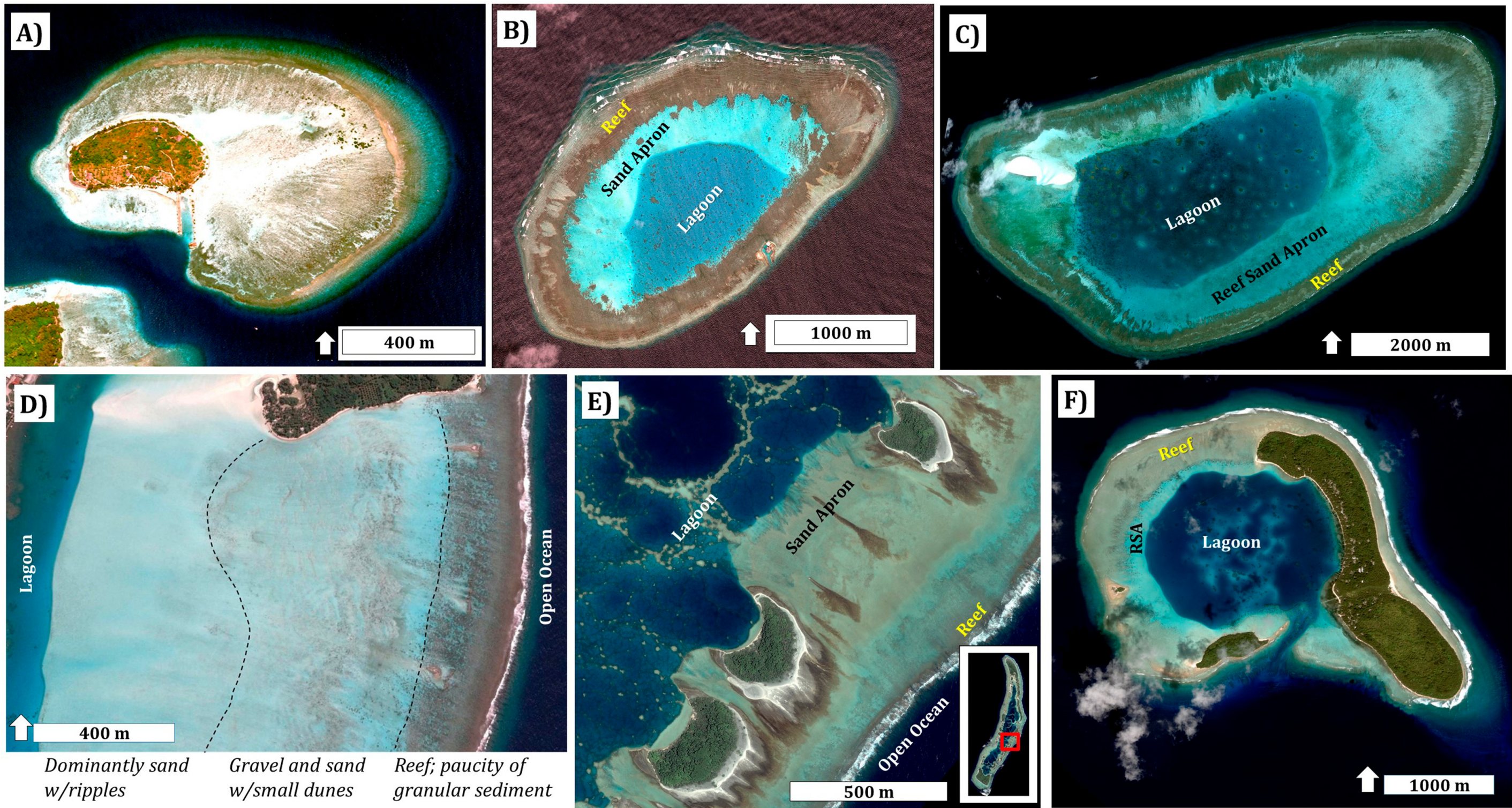


The Maldives



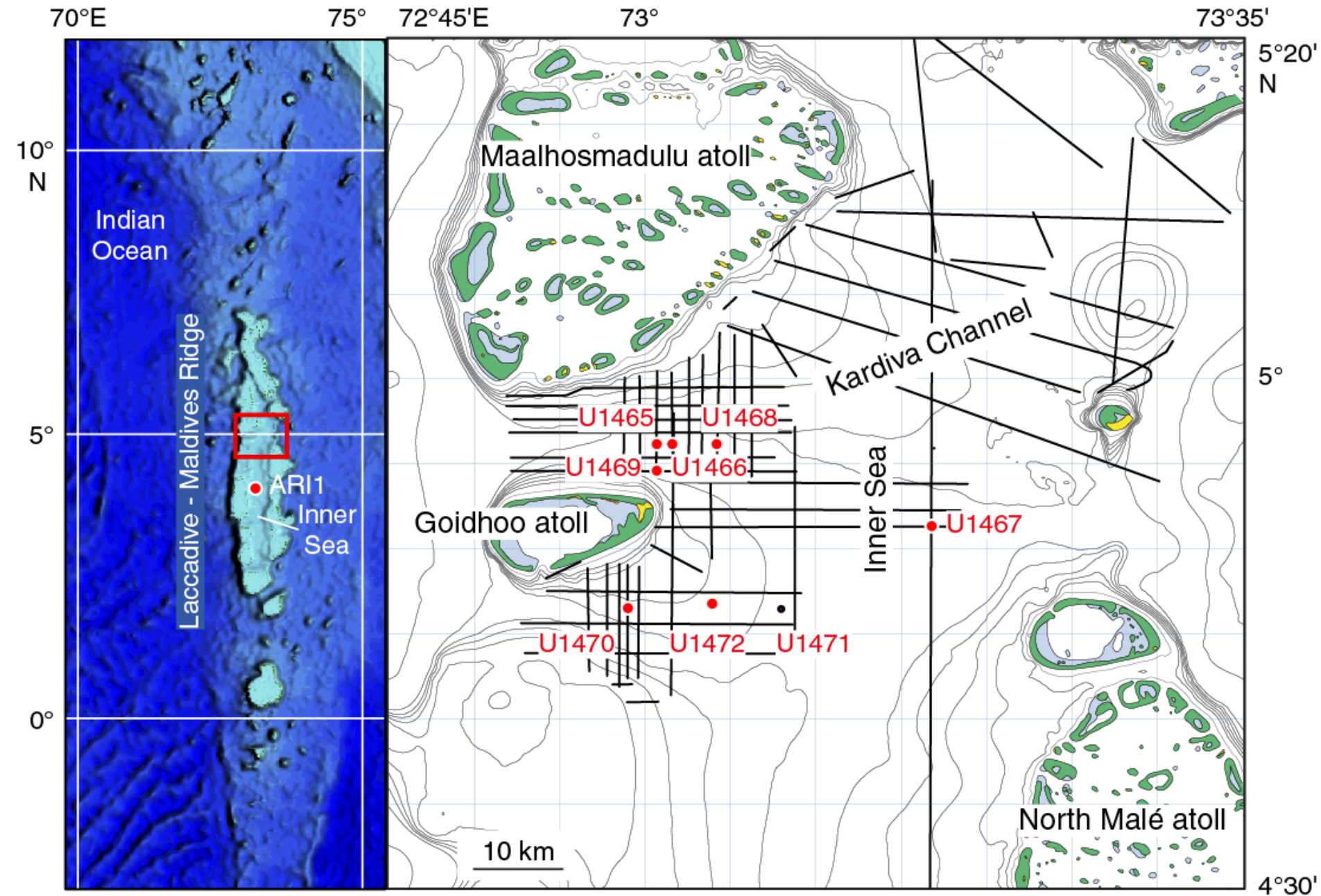
The empty or leaky bucket

Does the bucket ever fill up?

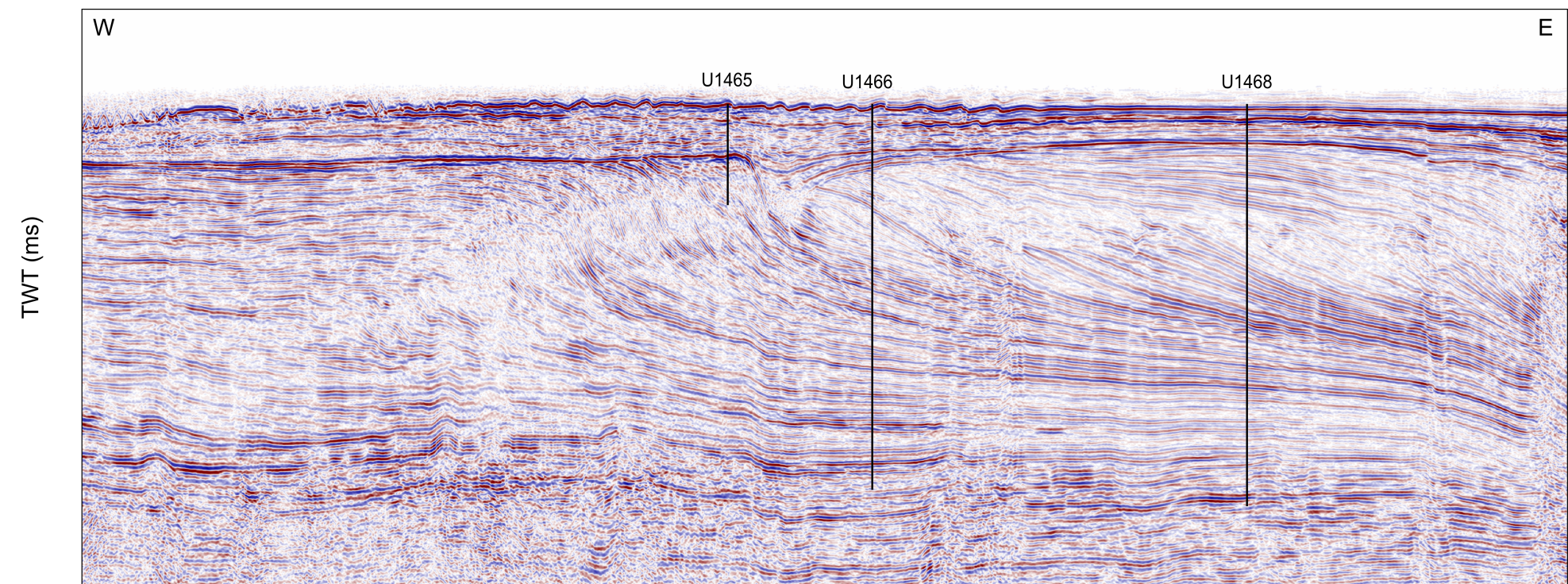


IODP 359: Maldives

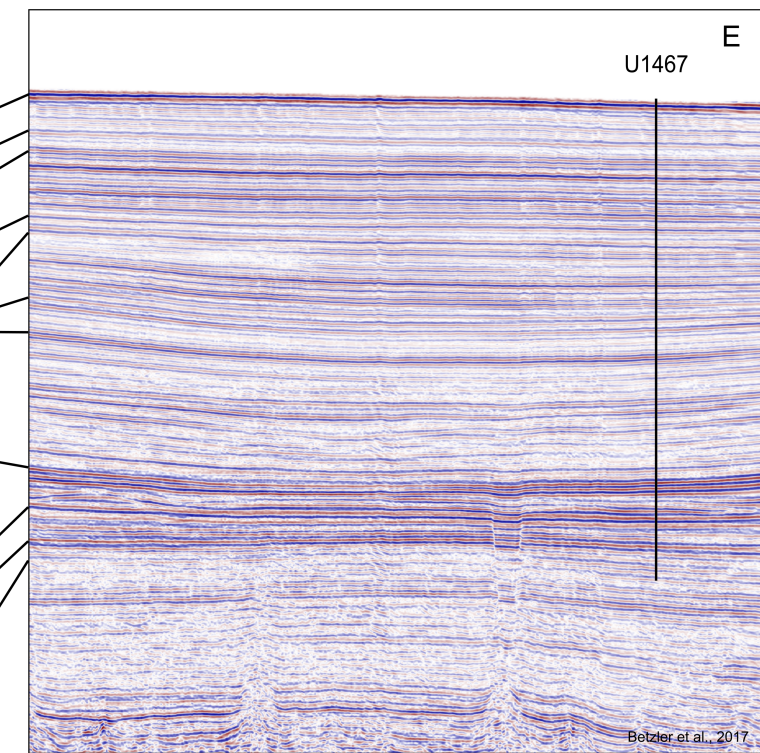
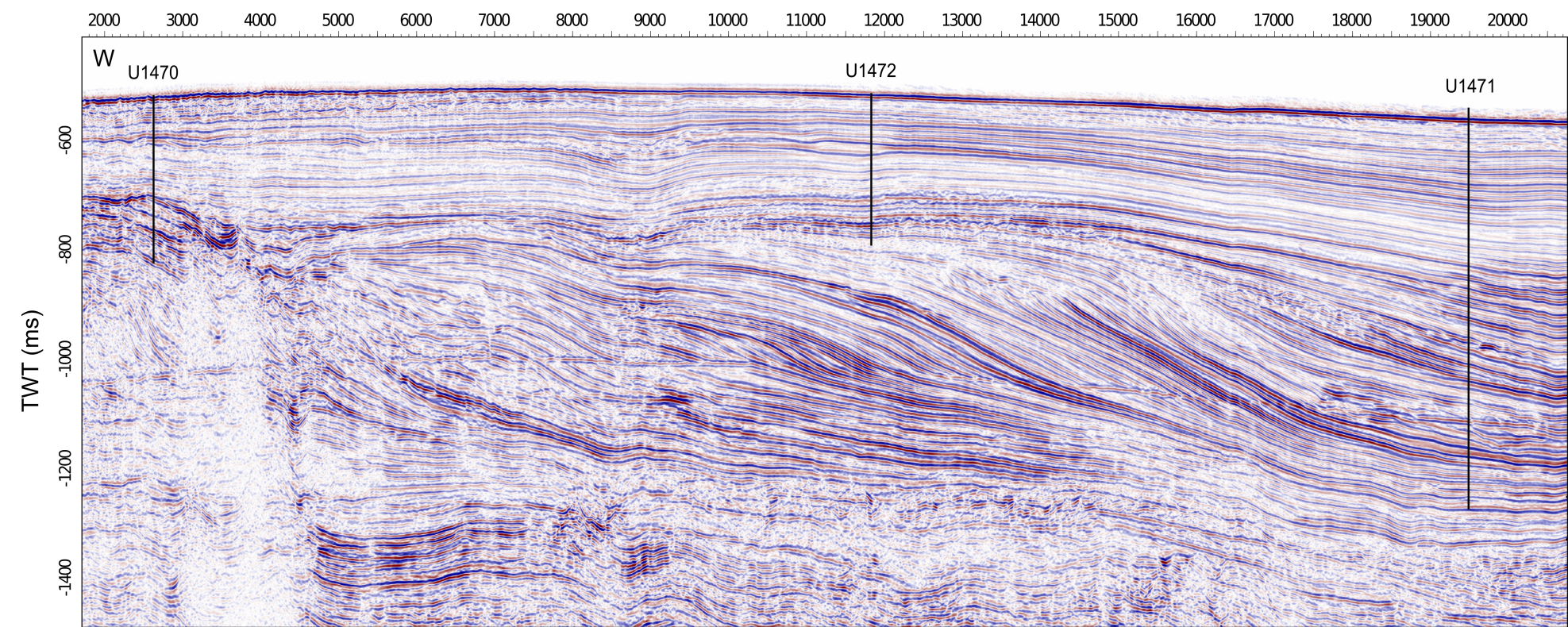
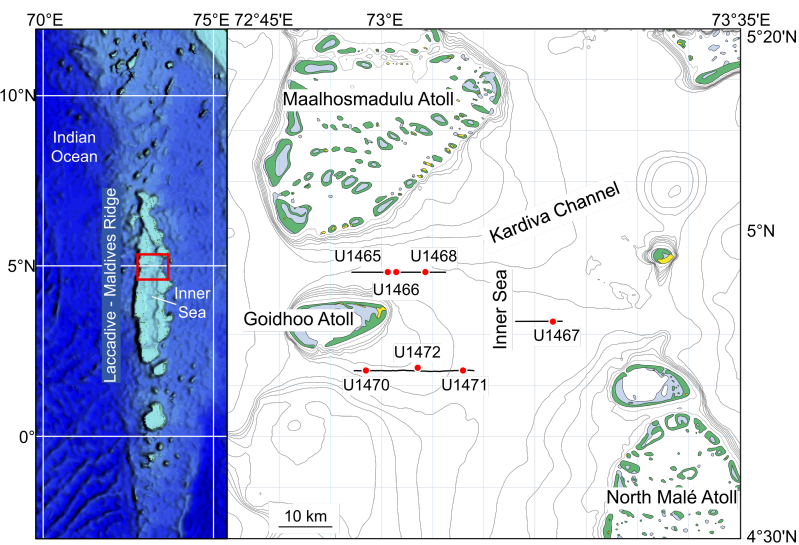
We are going to split up and take a closer look at sites **1465**, **1468**, and **1467**.



Maldives Seismic Transects



Maldives Monsoon and Sea Level
IODP Expedition 359 Site transects



Botzler et al., 2017

