

Internal waves and bottom currents interactions around southeastern Mediterranean mesophotic reefs

Supplementary 1 – additional figures

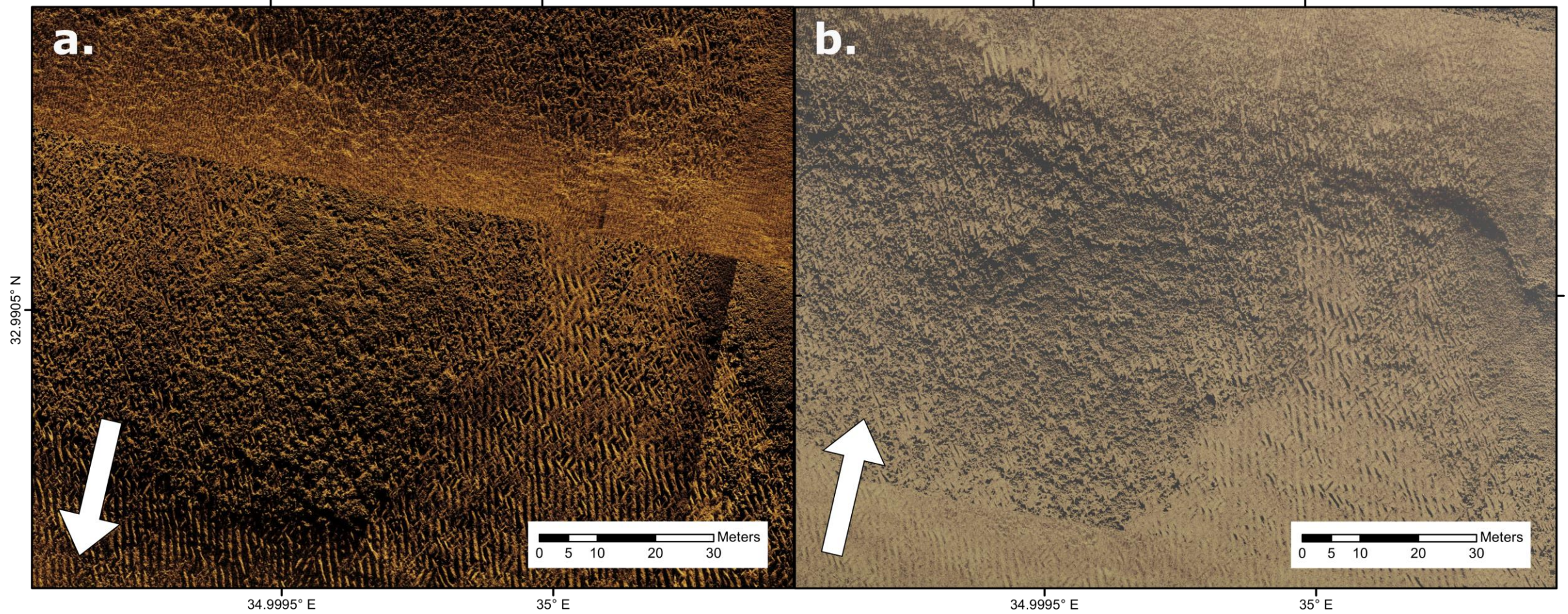


Figure S1-1: Compression of Synthetic Aperture Sonar imaging of port and starboard side of the AUV, Arrows indicate direction of illumination by the sonar.

Solitary reef

Reef ridge

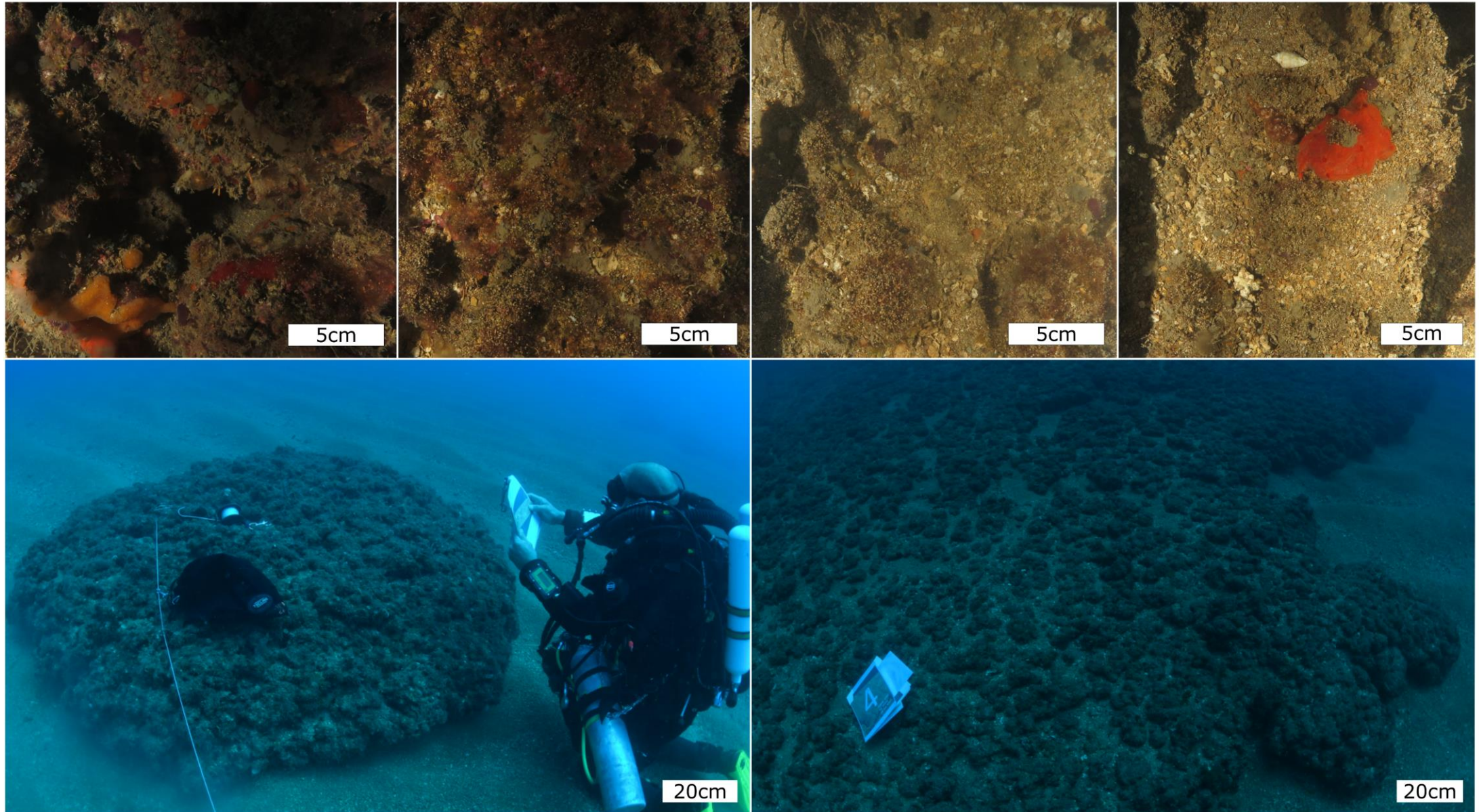


Figure S1-2: additional imaging of reef surface and biological coverage

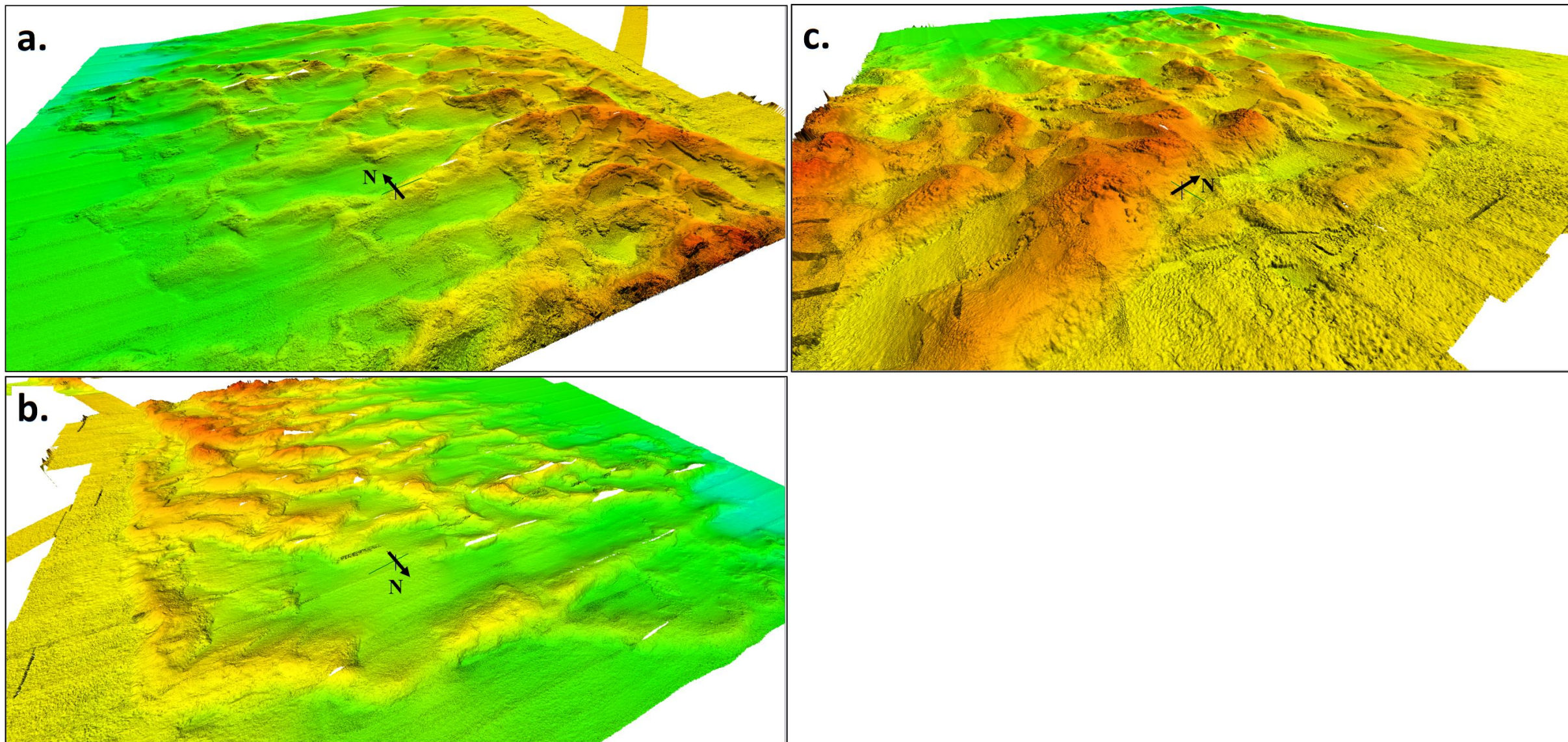


Figure S1-3: . General 3D shaded relief views of the Bustan Hagalil ridge, visualized from the south-west (a), north-east (b) and south-east (c). The black arrow of the three axes (center) points to the north.

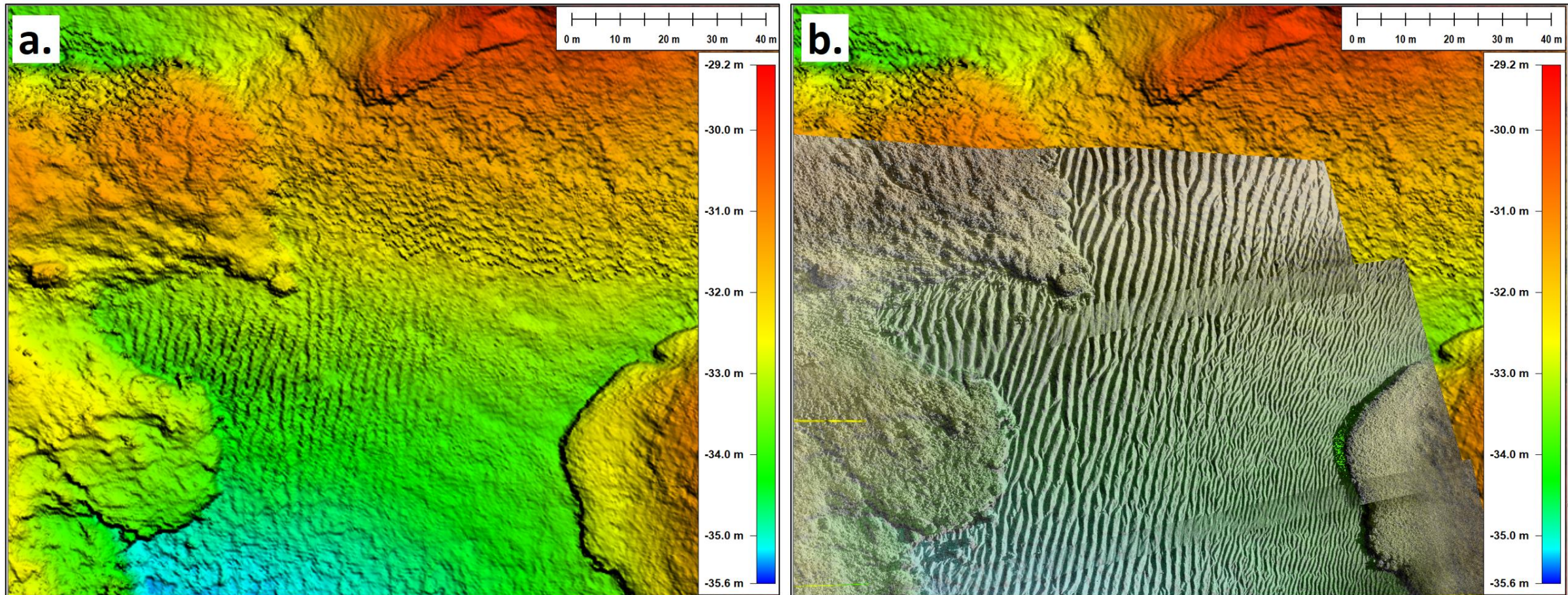


Figure S1-4: An example of the multibeam bathymetry (a), and the same with an overlay of the SAS backscatter. Note that the bedform on the righthand side are only visible with the SAS imagery.

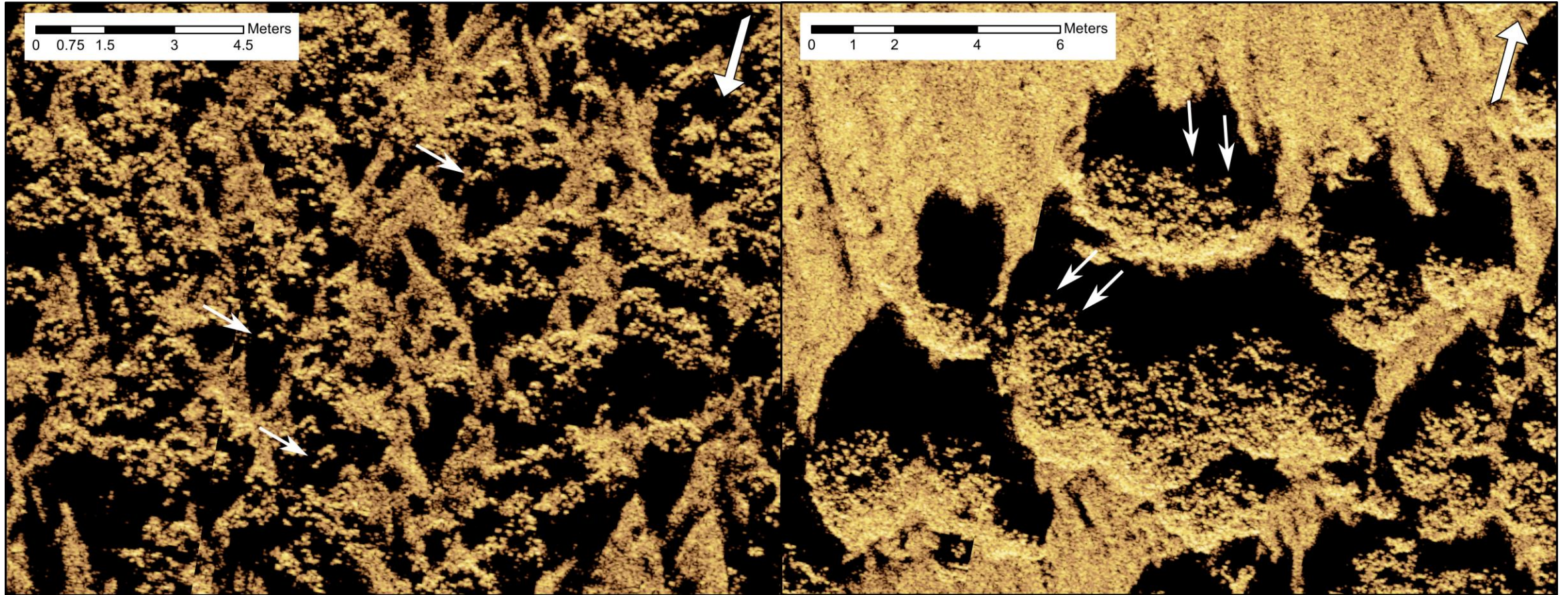


Figure S1-5: Example of individual biological elements visible with SAS imagery. Small white arrows indicate individual elements (possible branching bryozoans, coralline algae, sponges or corals) raising over the horizon of individual solitary reefs, visible over the shadow of the reef.