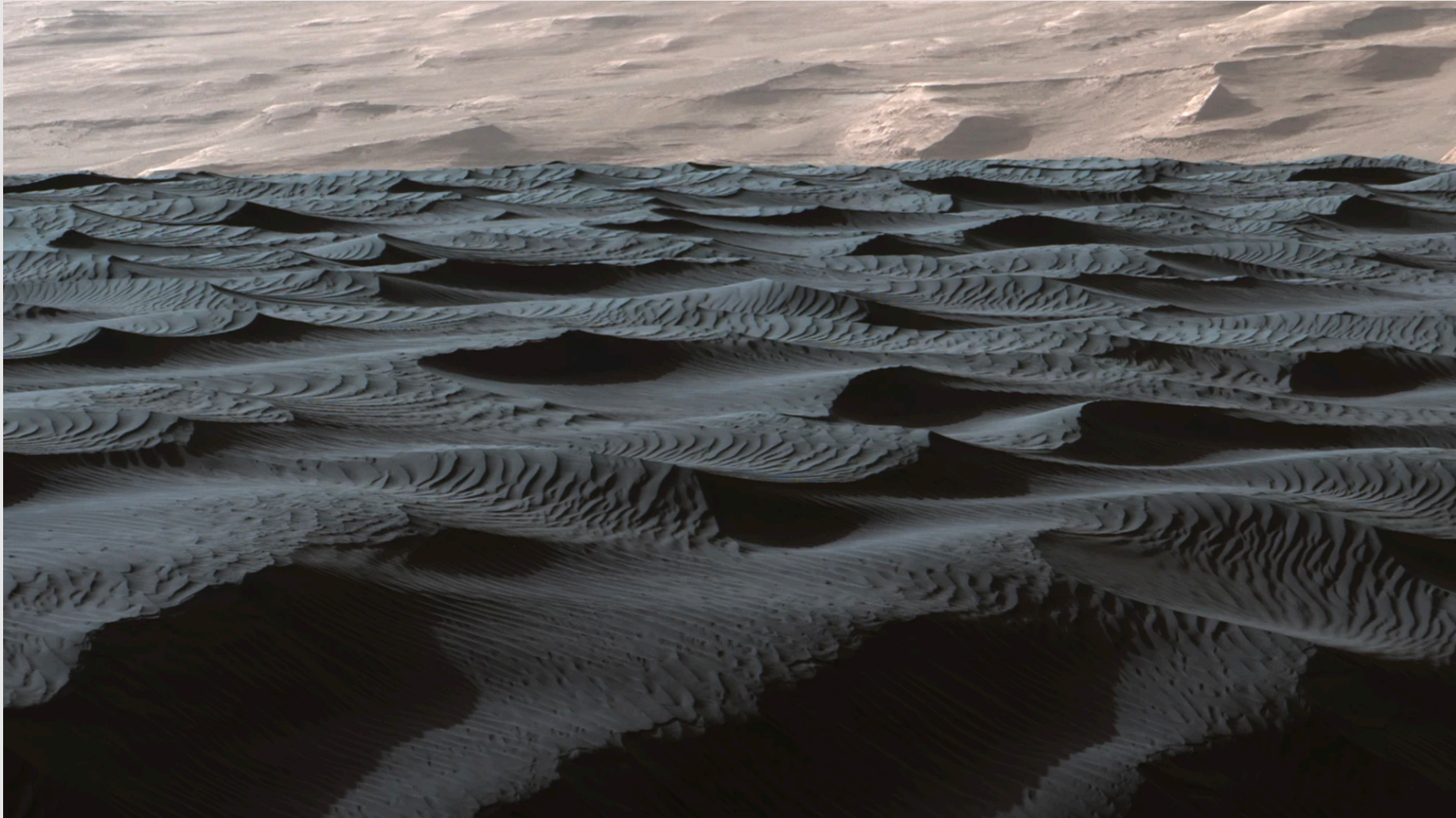


Figure 1. Eolian bedforms on Earth and Mars. (A) Dunes and ripples at Oceano Dunes, California, United States (35.094960°N, -120.623476°E). (B) to (F) Dune in the Bagnold dune field, Gale crater, Mars, as shown from (B) a HiRISE image and [(C) to (F)] the Curiosity rover. (C) Mastcam mosaic (mcam05410, sol 1192) showing small and large ripples on the dune. (D) Mastcam image (mcam05600, sol 1221) of large ripples with superimposed small ripples. (E) MAHLI 25-cm standoff image (1223MH0005550010403094C00, sol 1223), ~1 m off frame of (D) in the direction of the black circle and arrow. (F) 5-cm standoff image (1223MH0005560010403097C00, sol 1223) of the crest of a large ripple.



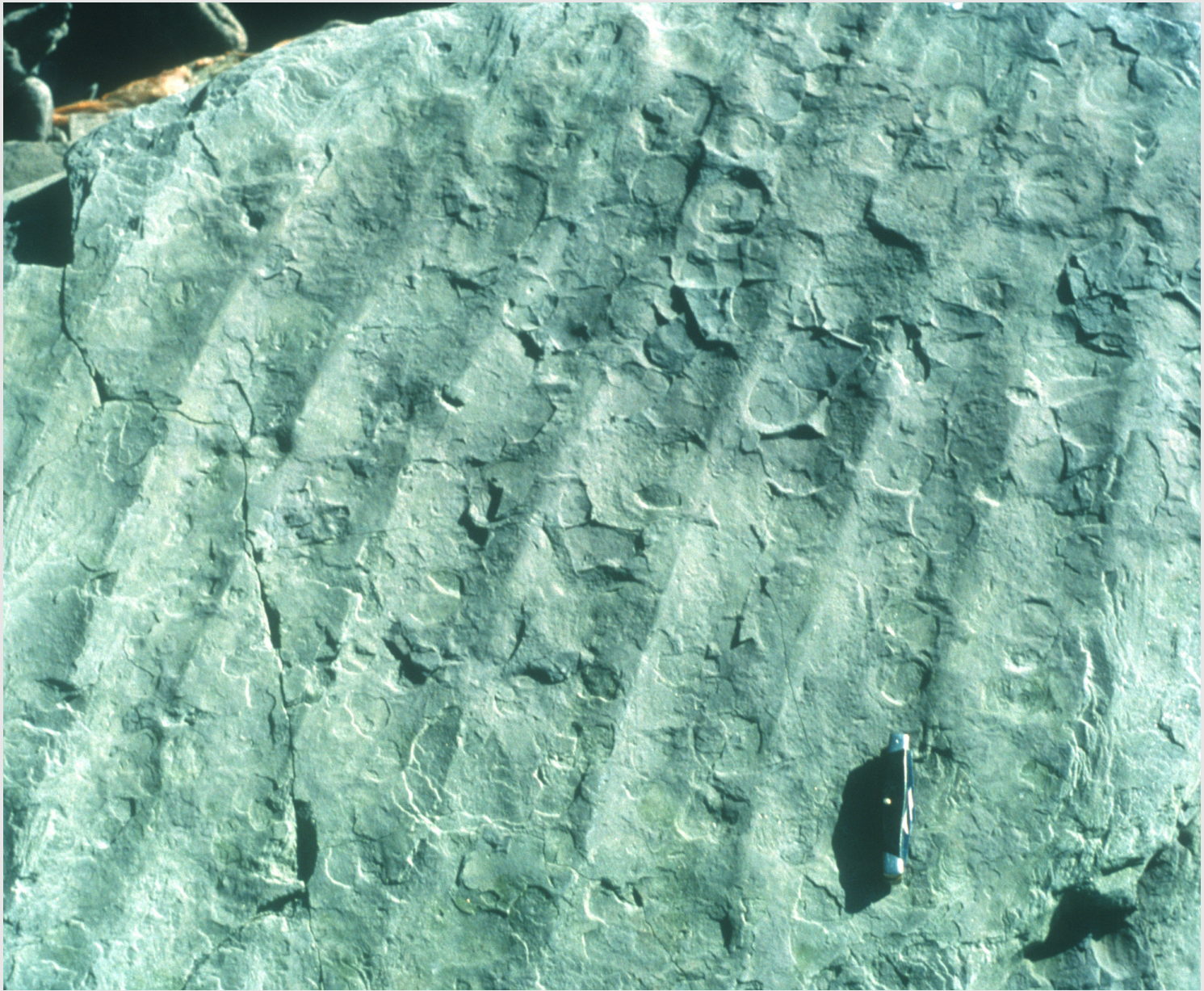
Bagnold Dune Field, Gale Crater, Mars (**Lapotre et al. Science 2016**)

Navajo Sandstone (Jurassic) – Colorado Plateau



Navajo Sandstone (Jurassic) – Colorado Plateau





Ripple cross lamination in flood deposits of the Illinois River, SW Oregon (Boggs, 2012)



What kind of cross bedding?
What kind of bedform created it?
What can we say about the current direction?

