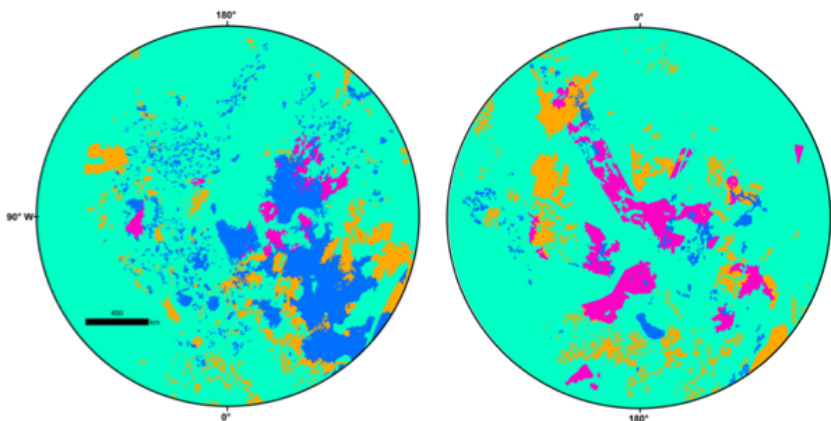
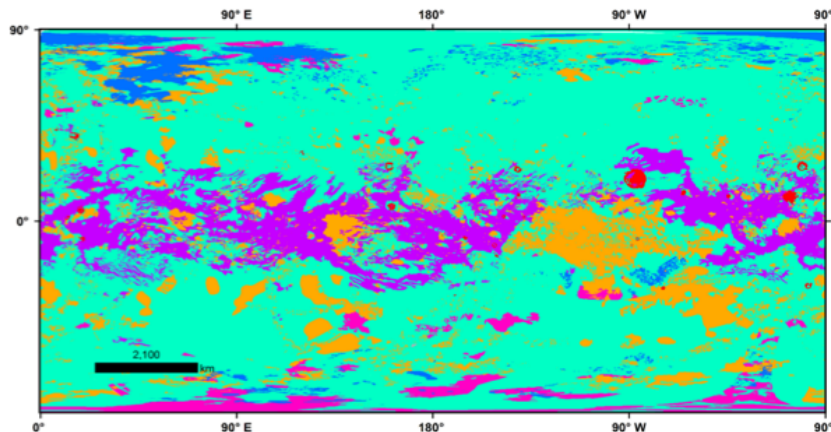


Global Geomorphologic Map of Titan



North Pole

South Pole

■ Lakes
■ Crater
■ Dunes

■ Hummocky
■ Labyrinth
■ Plains

The first global geomorphologic map of Titan has been published.

- The map combines all available datasets from Cassini (RADAR, VIMS, ISS), and uses correlations between these to enable mapping even where datasets were incomplete.
- The map shows that Titan's surface is dominated by sedimentary or depositional processes with a clear latitudinal variation, with dunes at the equator, plains at mid-latitudes and labyrinth terrains and lakes at the poles. Plains are the most widespread unit on Titan, covering 65% of the surface. Dunes cover 17% while the hummocky unit, the oldest on the surface, cover 14% and is thought to be the remnant of the ice shell.
- The spatial and superposition relations between major geomorphologic units reveals the likely temporal evolution of the landscape and provide insight into the interacting processes driving its evolution.