Figure 1. Showing the Parga Chasmata and Helen Planitia regions looking radar image in Lambert projection.

Figure 3. The Parga Chasmata region features a variety of geological structures and materials. The region is characterized by intermediate to high backscatter materials with textures that vary from bright to dark. These materials are associated with impact craters, basement, and associated materials near Cresswell Patera. The region also contains volcanically related material, undivided (unit 18): Lava flows related to formation of Helen Corona, with fracture suites and regional northwest-striking fractures. Some shields appear to be aligned along fractures, suggesting tectonic activity.

The regression system is deformed by a pervasive deformation fabric. This unit could represent a composite unit formed by digitate to lobate flows that emerged from fractures of unknown age. Contains shields and intermediate-size volcanic features with associated flows. Predates adjacent chasma- and fracture suites, and regional fracture suites. Interacts with the circum-Themis-trend wrinkle ridges, northwest-trending folds in Tsovinar Dorsa, and other volcanic-related materials of unknown age. Predates adjacent chasma- and fracture suites, and regional fracture suites. Interacts with the circum-Themis-trend wrinkle ridges, northwest-trending folds in Tsovinar Dorsa, and other volcanic-related materials of unknown age.