



lineated terrain (contacts,thin dashed black lines); shield deposits fill topographic lows

created by fractures. Arrows mark the locations of some shields.

Fold crest Tessera lineament b (wider spacing than Tessera lineament a) Trough (basin and dome terrain)

Figure 4. Inverted SAR images illustrating structures that characterize tessera terrain

within Greenaway quadrangle (V-24), Venus. Structures shown in A and in enlargements **B** and **C** include a northeast-trending penetrative (at image resolution) fabric; northwesttrending ribbons (wavelengths 2.5 km); northwest-trending parallel folds (wavelengths ~15–20 km); two suites of lineaments (one suite has northwest and northeast trends with wavelenths of <1 km and a second suite has northwest trends with wavelengths of ~1 km and parallel the long wavelength folds); ridges and troughs associated with basin and dome terrain (C); and northwest-trending late graben (wavelengths ~15-20 km) interpreted as associated with Rosmerta Corona. Symbols are included only to highlight structural trends and do not reflect structure density. Arrows highlight graben associated with Rosmerta

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Figure 1. Image showing regional setting and topography in Mercator projection for Greenaway quadrangle (V-24), Venus. The north edge of Thetis Regio forms the south edge of the map area, and the topographic arch divides the northern three-fourths of the map area into two northeasttrending topographic basins. MPR, Mean Planetary Radius (6051.84 km). Topographic base from U.S. Geological Survey (http://astrogeology.usgs.gov/Projects/webgis).

Figure 2. Images showing ancillary Magellan data sets for Greenaway quadrangle. A, reflectivity showing efficiency of surface materials in reflecting electron radiation; B, emissivity of surface materials; C, root mean square (rms) slope.

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Geologic Map of the Greenaway Quadrangle (V–24), Venus

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QUADRANGLE LOCATION

Photomosaic showing location of map area. An outline of

1:5,000,000-scale quadrangles is provided for reference.