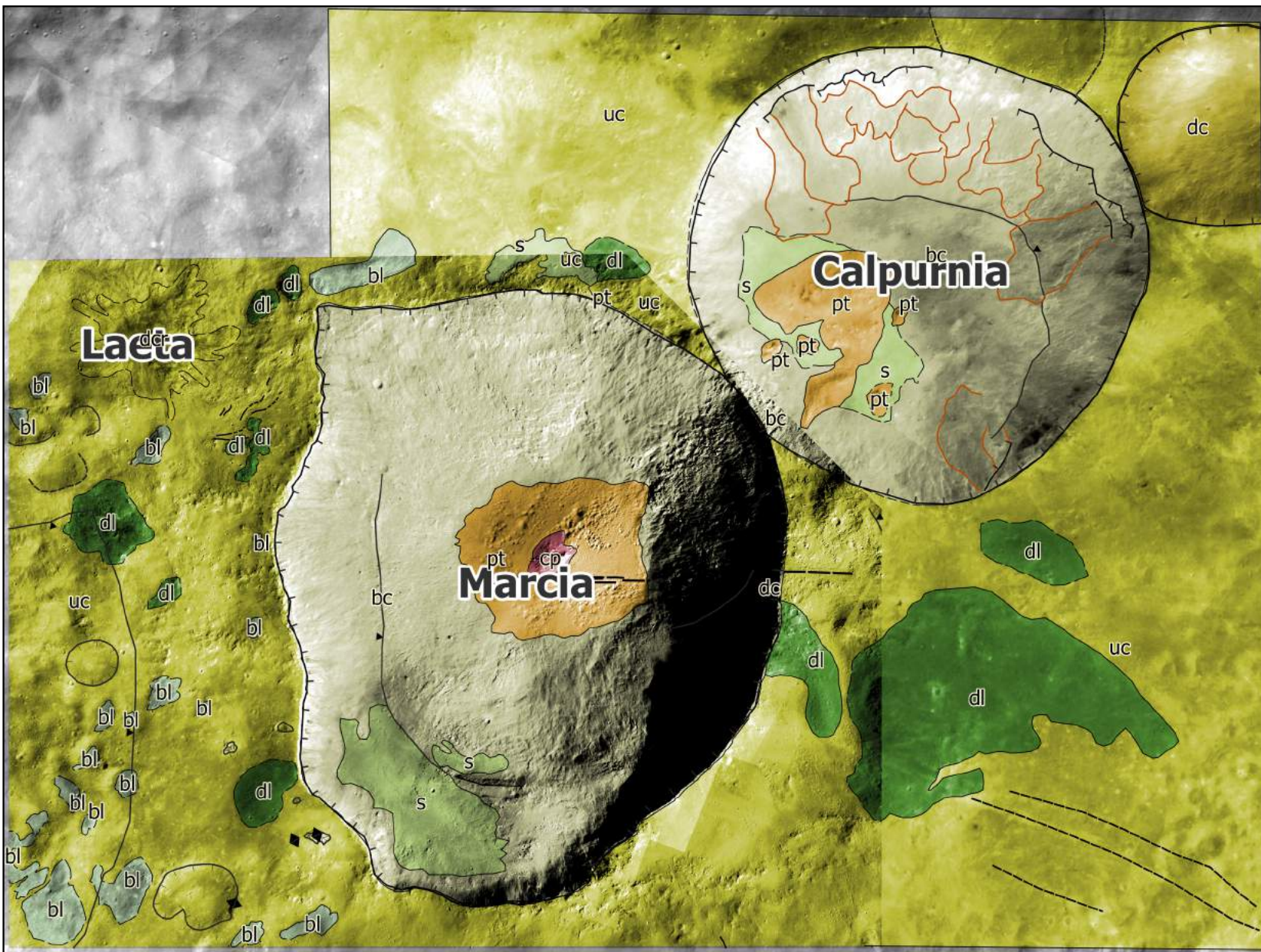




VESTA
 Marcia and Calpurnia craters



Map units and symbols

Linear features

- Depression margin
- Dome margin
- Fault, approx.
- Groove
- Ridge crest (type 1), certain
- Scarp
- Scarp base
- Sinuous channel or groove
- Crater rim
- Degraded crater rim
- Mass movement
- Undefined lineament

Geologic contacts

- Certain
- Inferred
- Approximate

Units

- Bright lobate material (bl)
- Dark lobate material (dl)
- Central peak material (cp)
- Pitted terrain (pt)
- Smooth material (s)
- Dark crater ray material (dcr)
- Bright crater material (bc)
- Dark crater material (dc)
- Undivided crater material (uc)



TASK DESCRIPTION

From my point of view, Vesta is a challenge for planetary mapping. The position of light in HAMO and LAMO mosaic image has made me perceive the relief inversely, contrary to the information provided in the topographic raster map. This is the reason why I have chosen option B.

First, I inverted the colours of HAMO image and completed the delimitation of the units extending beyond the working area defined as "Mapping Example" of Marcia crater. Second, I drew the working area of Calpurnia crater.

Pitted terrains and smooth material are the two units identified within Calpurnia crater. In addition, some geomorphologies were observed on the crater walls that could correspond to mass movements due to the identification of an escarpment and several lobate shapes towards the base of the crater.