



Second Release of the High-Resolution Dione Atlas derived from Cassini-ISS images

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Abstract

Our first version of the high-resolution Dione atlas was released in 2008 [1]. Since then, the Cassini Imaging Science Subsystem (ISS) acquired additional high-resolution images (< 800 m/pixel) during ten non-targeted flybys of Dione in 2008, 2009, and 2010. We combined these images with the earlier coverage taken between 2004 and 2007 to improve our global mosaic of Dione (Fig. 1). This new global mosaic is the baseline for our second release of the high-resolution Dione atlas that consists of 15 tiles, each sheet with a scale of 1:1,000,000 (Fig. 2). The nomenclature used in this atlas was proposed by the Cassini imaging team and was approved by the International Astronomical Union (IAU).

The new release of the atlas is available to the public through CICLOPS (<http://ciclops.org>) and PDS (<http://pds.jpl.nasa.gov>).

References

- [1] Roatsch, Th. et al., High-resolution Atlas of Dione derived from Cassini-ISS images. *Planetary Space Sciences* 56, 1499-1505, 2008.

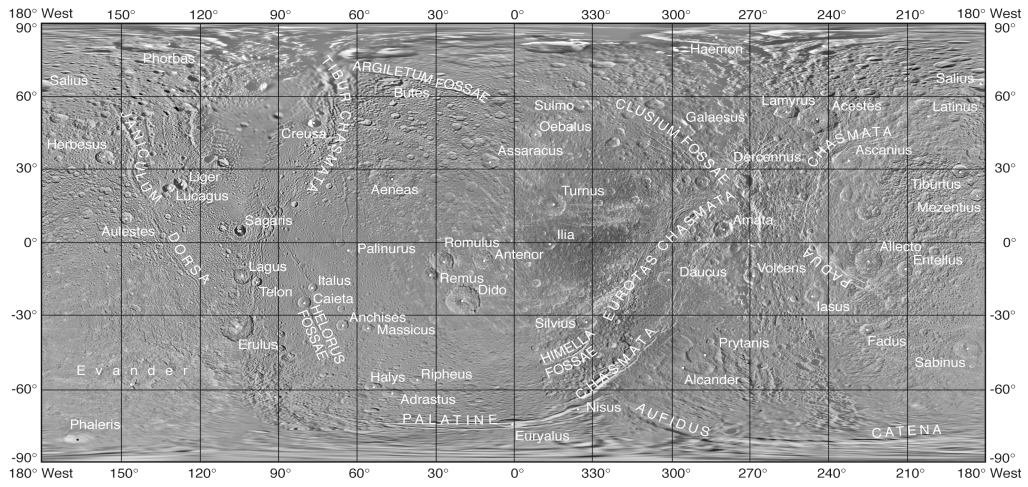


Figure 1: Dione Basemap with Nomenclature

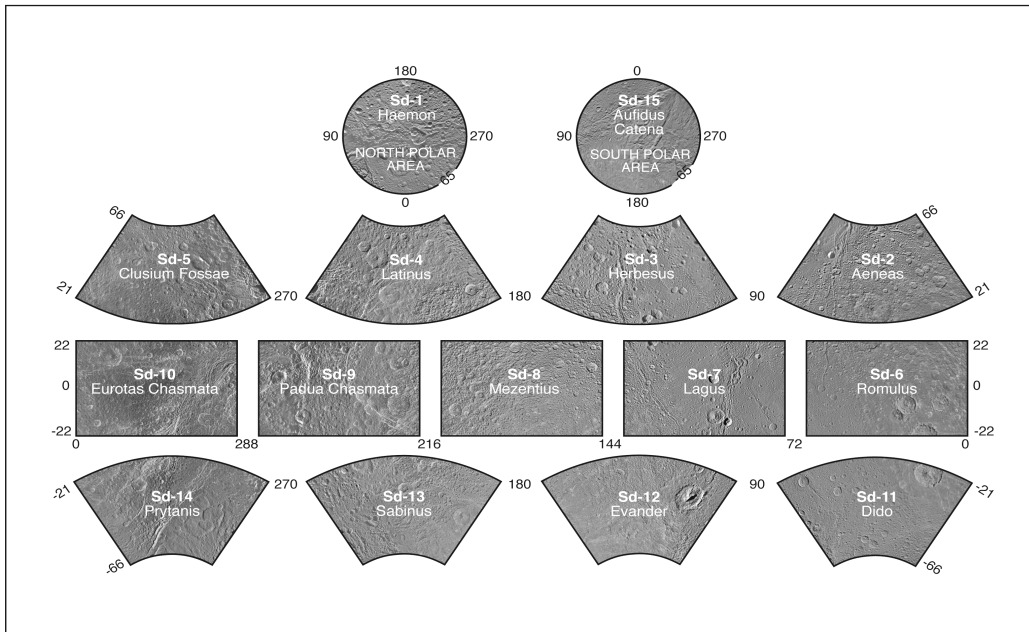


Figure 2: Dione Map Scheme