

High Resolution Rhea Atlas derived from Cassini-ISS images

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Abstract

The Cassini Imaging Science Sub-system (ISS) acquired many high-resolution images (< 1 km/pixel) during close flybys of Rhea in 2005 and 2007. We combined these images with lower-resolution coverage and a few images taken by Voyager cameras to produce a high-resolution (400 m/pixel) semi-controlled mosaic of Rhea. This global mosaic is the baseline for a high-resolution Rhea atlas that consists of 15 tiles each mapped at a scale of 1 : 2,000,000. This Rhea atlas is the final part in the set of atlases of the medium-sized satellites of Saturn. A few examples of the map tiles will be shown in this presentation. The nomenclature used in this atlas was suggested by the Cassini-ISS team and is currently under evaluation by the International Astronomical Union (IAU). The whole atlas will become available to the public through the Imaging Team's website (<http://ciclops.org/maps/>).