

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

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The first version of the high-resolution Enceladus atlas was released back in 2006 [1]. The Cassini Imaging Science Sub-system (ISS) acquired more high-resolution images (< 1 km/pixel) during four close flybys of Enceladus in 2008. We combined these images with lower-resolution coverage taken between 2007 and 2009 to improve the high-resolution global mosaic of Enceladus. The whole mosaic was finally shifted by 3.5° to the West to be consistent with IAU longitude definition. This new global mosaic is the baseline for the second release of the high-resolution Enceladus atlas that consists again of 15 tiles mapped at a scale of 1:500,000. We proposed 29 additional names for features which will be used as nomenclature in the atlas. We are awaiting validation of the new nomenclature by the IAU. The new release of the atlas will be made available to the public through CICLOPS (<http://ciclops.org>) and PDS (<http://pds.jpl.nasa.gov>).

[1] Roatsch, Th. et al., High-resolution Enceladus atlas derived from Cassini-ISS images. Planetary Space Sciences 56, 109–116, 2008.