Controlled Mosaic of Enceladus

Se 500K 43.5/135 CMN, 2010

GENERAL NOTES

This mosaic shows the 2nd of a 10 quadrangle series covering the entire surface of Enceladus at a scale of 1:500,000. The source of this data was the Cassini imaging experiment (Porco et al., 2009).

Cassini images are part of NASA/ESA/Rosetta images to explore the Saturn system. The Cassini spacecraft is the first spacecraft studying the Saturnian system of rings, moons and their environments in the outer Solar System. For Cassini, a large number of scientific filters, taken together, span the electromagnetic spectrum from 0.4 to 5.1 micrometers. At the north of each map is a map-centered triangular (UTC) frame consisting of a 1000 square array of pixels, each 12 microns on a side.

MOSAIC DESIGNATION

Se-500K 43.5/135 Center point in degrees consisting of latitudinal longitude

246 - 444 CMN, 2010

Two of particular

IMAGE PRODUCTIONS

- Photometric correction
- Stereometric correction
- Map projection
- Photometric correction using the Hapke bidirectional reflectance function

PROCESSING

The final mosaic consists of approximately 40000 individual images (in total), which have been assembled into a 1024 square array of pixels, each 12 microns on a side. A large number of spectral filters, taken together, span the electromagnetic spectrum from 0.4 to 5.1 micrometers. At the north of each map is a map-centered triangular (UTC) frame consisting of a 1000 square array of pixels, each 12 microns on a side.

REFERENCES