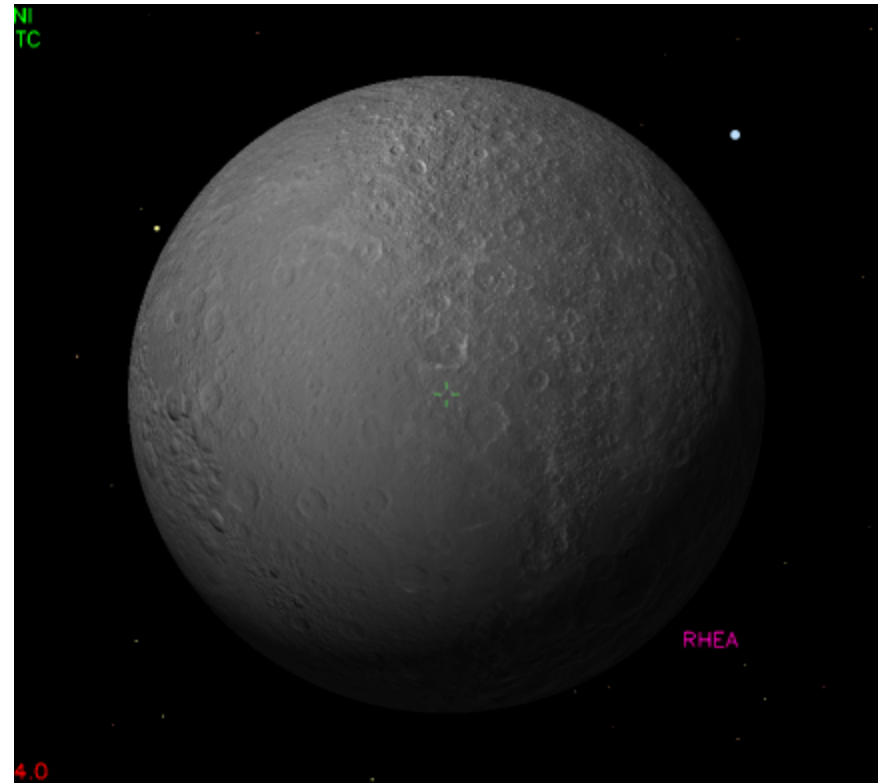


Rev 177 (no targeteds)

2012-357T11:34:00 - 359T11:34:00

The highlight of this segment is Radar scatterometry. The plan is to obtain medium resolution coverage of both hemispheres of each icy satellite to compare their physical properties (roughness, albedo, etc.) as derived from scatterometry. In this segment, both Rhea and Dione are observed.

During the same untargeted flybys of Rhea and Dione, ISS (with UVIS and VIMS in ridealong) is gathering mosaics and compositional information. CIRS also executes a south polar scan of Rhea to understand this moon's thermal properties. The closest approach to Rhea is 23,000 km. Other observations include a two hour plume observation and an ISS observation of the outer irregular satellite Surtur to understand its rotational state. There is also a UVIS star calibration.



Rhea at the time of closest approach during its untargeted flyby. Poorly mapped regions are shown.

S76 SOST PIEs

- **plume_176_ten_p0 in Saturn segment**
344T09:30:00
 - **344T11:30:00 to map the extension of the plume into the E-ring**
- **rhea_occ in XD**
353T18:15:00
 - **353T20:30:00: a UVIS search for a tenuous atmosphere**

