

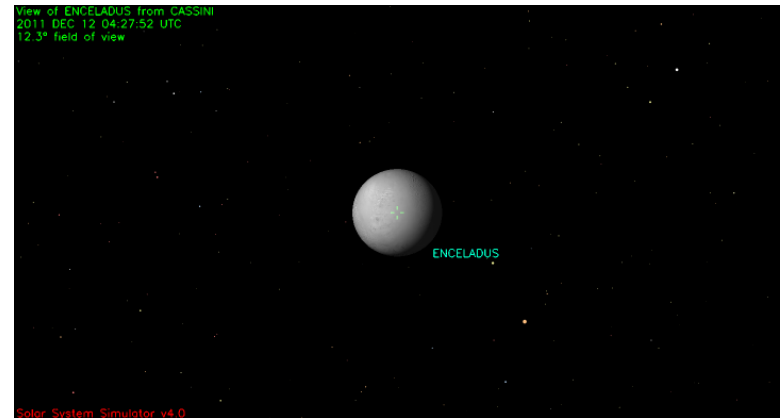
# D3: Rev 158

**2011-346T09:39:22.36 (12 Dec 2011)  
100 km**

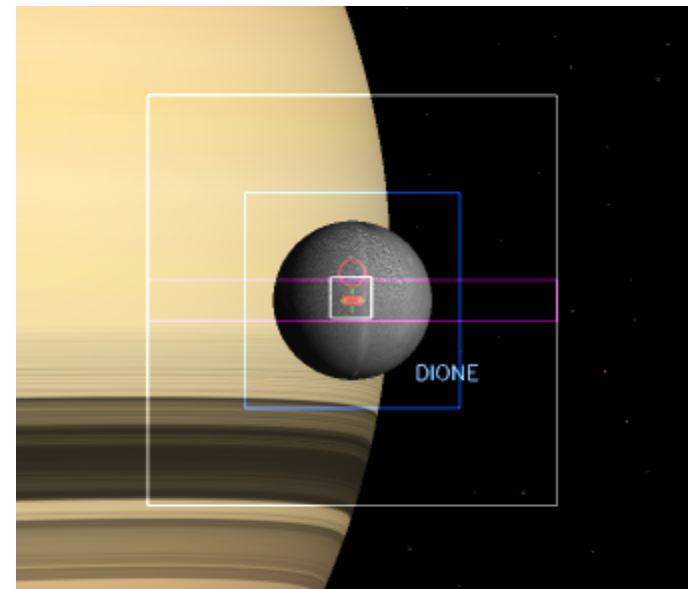
**RSS flyby to study the internal structure of Dione, specifically how differentiated it is and whether it is in hydrostatic equilibrium. CIRS will be prime between the wings and C/A to seek any thermal signal from Dione. ORS will also observe Enceladus for a mid-range (19,900 km) moderate solar phase angle (90°) observation of the leading side. During lit exit, ORS will be observing Dione.**

**Other highlights: UVIS star cal, Titan mutual event and monitoring; Saturn aurora footprint PIE, CDA Rings shadow PIE**

**Dione at the start of the lit exit observation**



**Enceladus at 19,900 km**



# Plume PIE in Saturn segment

**212-004T00:00:00**

**004T03:00:00**

Medium spatial resolution and medium solar phase angle; good for determining particle sizes of plume particles, “big picture”, variability, and connection to geologic features. This one is also a unique geometry.

