SOST_276 Segment Science Highlights 2017-149T11:59:00 - 151T18:22:00

- **ISS_276EN_PLUME001_PRIME 149T11:59:00-12:24:00**
- **ISS_276EN_PLUME002_PRIME 149T20:00:00-150T01:19:00**

Further characterization of plume morphology and time evolution, and dependence with mean anomaly; other ORS in ridealong

- **ISS_276IA_LOWPHASE011_PRIME 150T11:59:00-14:51:00**

Solar phase curves at small solar phase angles reveal information about the nature and scattering properties of icy surfaces. These are part of ongoing observations of both low- and high-albedo regios of Iapetus to understand textural properties of their surfaces and differences between them. CIRS, ISS, and VIMS in ridealong

- **UVIS_276EN_ICYEXO001_PIE 150T14:51-15:55:00 (occ is from 15:23:34.7 to 15:24:30.3)**

Occultation will characterize the plume and jets of Enceladus, and study the nature of the environment around the moon. Other ORS in ridealong

- **ISS_276OT_BEBPOL050_PRIME 150T15:55:00-151T09:22:00**

This observation is part of an ongoing investigation to understand the shapes, rotational states, pole positions, and possible binary nature of the outer irregular moons of Saturn. UVIS and VIMS in ridealong.

There are out-of-discipline non-PIE observations for a UVIS occultation and a Titan monitoring activity.

S100: Two plume PIES in other discipline segments

SATURN_278_279:

ISS_278EN_PLUME001_PIE

162T22:30:00-163T11:10:00

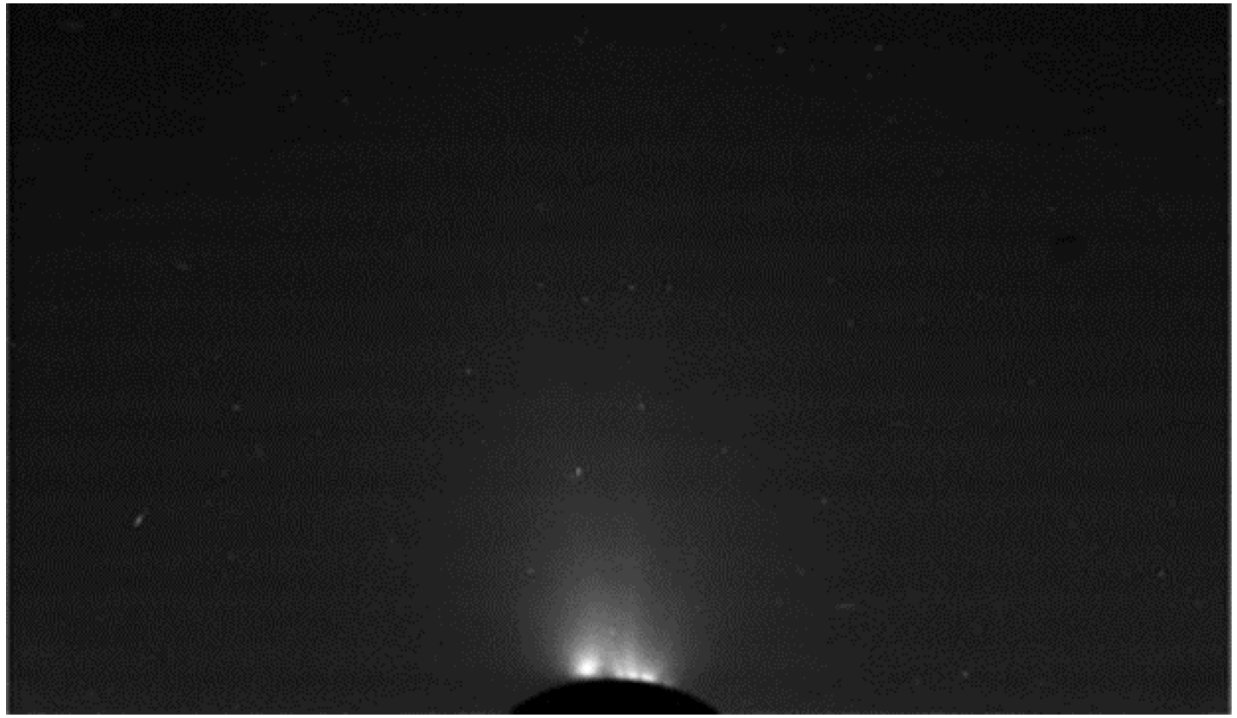
(CUV in ridealong)

MAPS_279:

ISS_279EN_PLUME001_PIE

169T01:10:00-15:40:00

(CUV in ridealong)



Very long observations for further characterization of plume morphology, time evolution of jets and plume, plume particle characteristics, connection with surface features, and dependence with mean anomaly