

The Cassini Mission to Saturn



Mark R. Showalter
SETI Institute



July 26, 2007

The Cassini Mission to Saturn and its Rings



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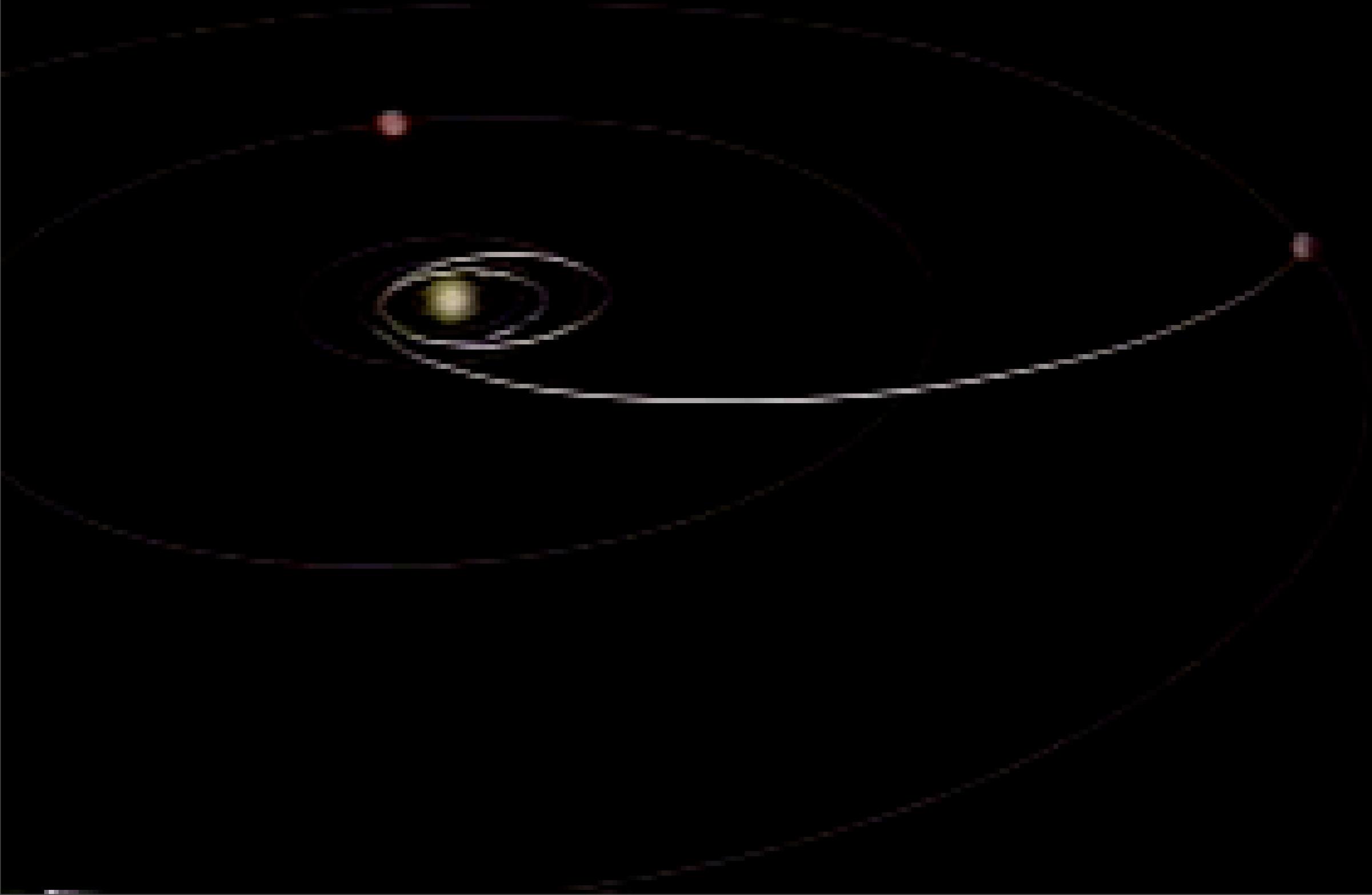
July 26, 2007





October 15, 1997

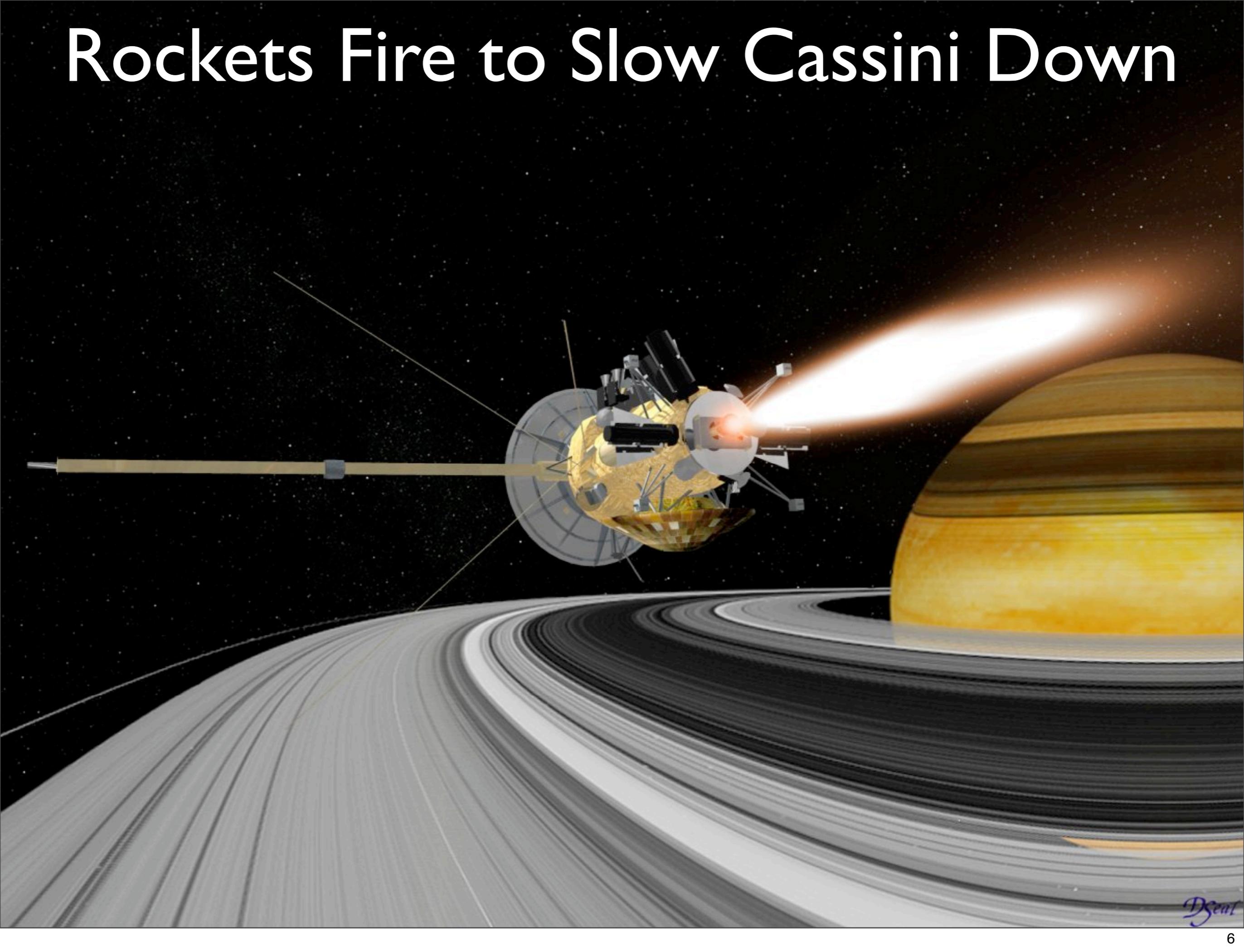
Cassini's Journey to Saturn



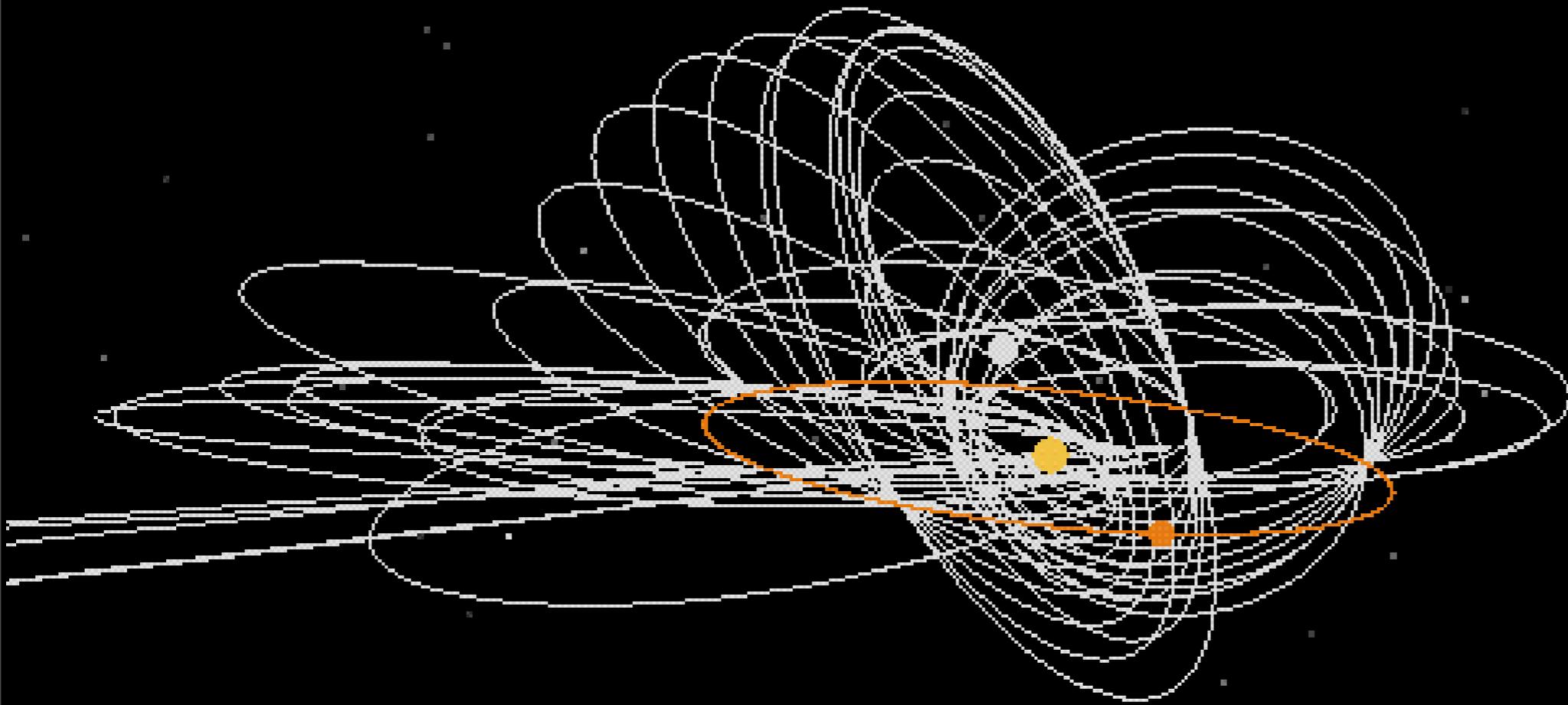
Approach View of Saturn



Rockets Fire to Slow Cassini Down



Cassini's Tour of the Saturn System



2007/11/19-20:42:00

Moons of Saturn

Janus



Rhea



Mimas



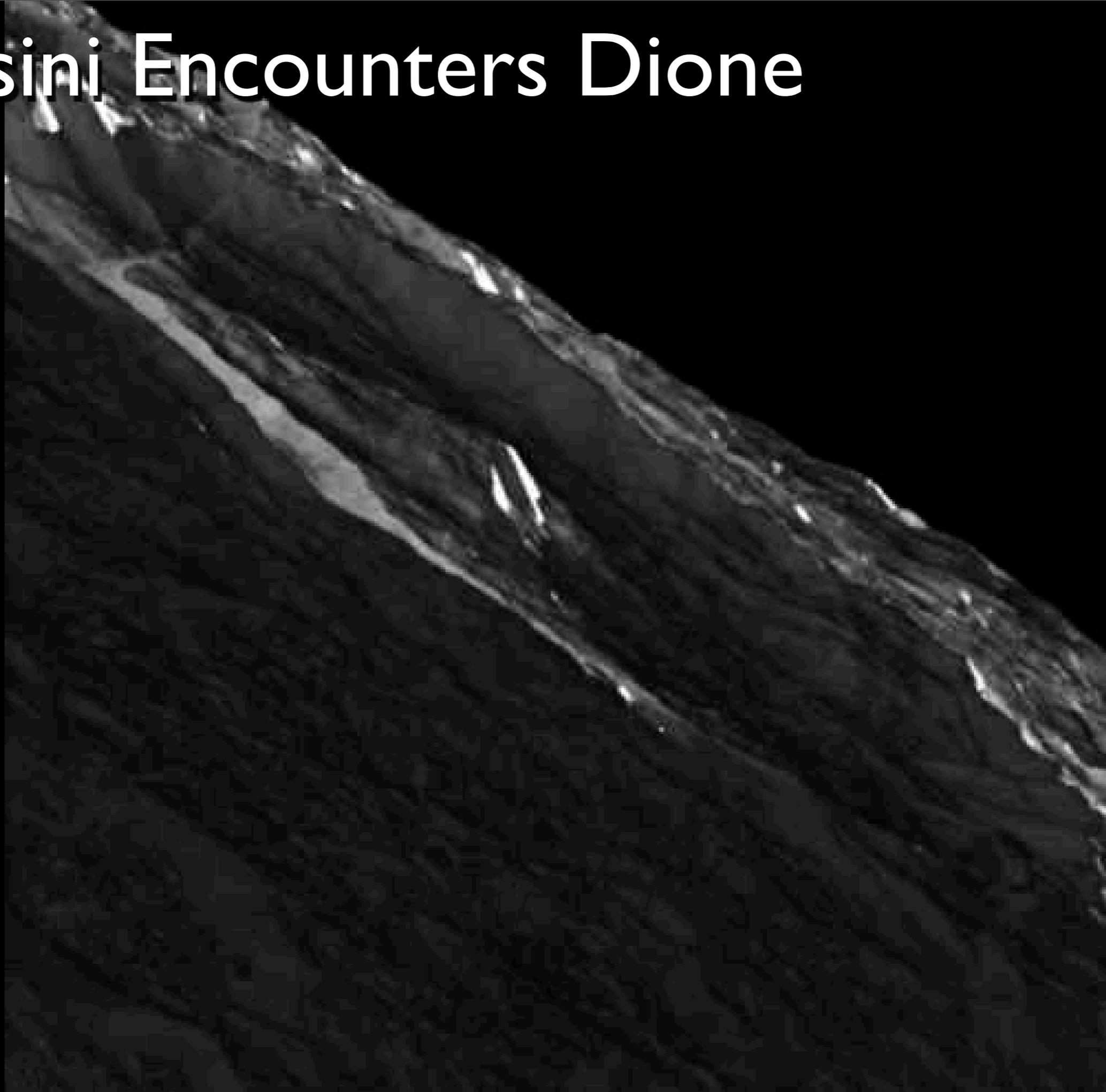
Cassini Encounters Dione



Cassini Encounters Dione



Cassini Encounters Dione



Views of Titan

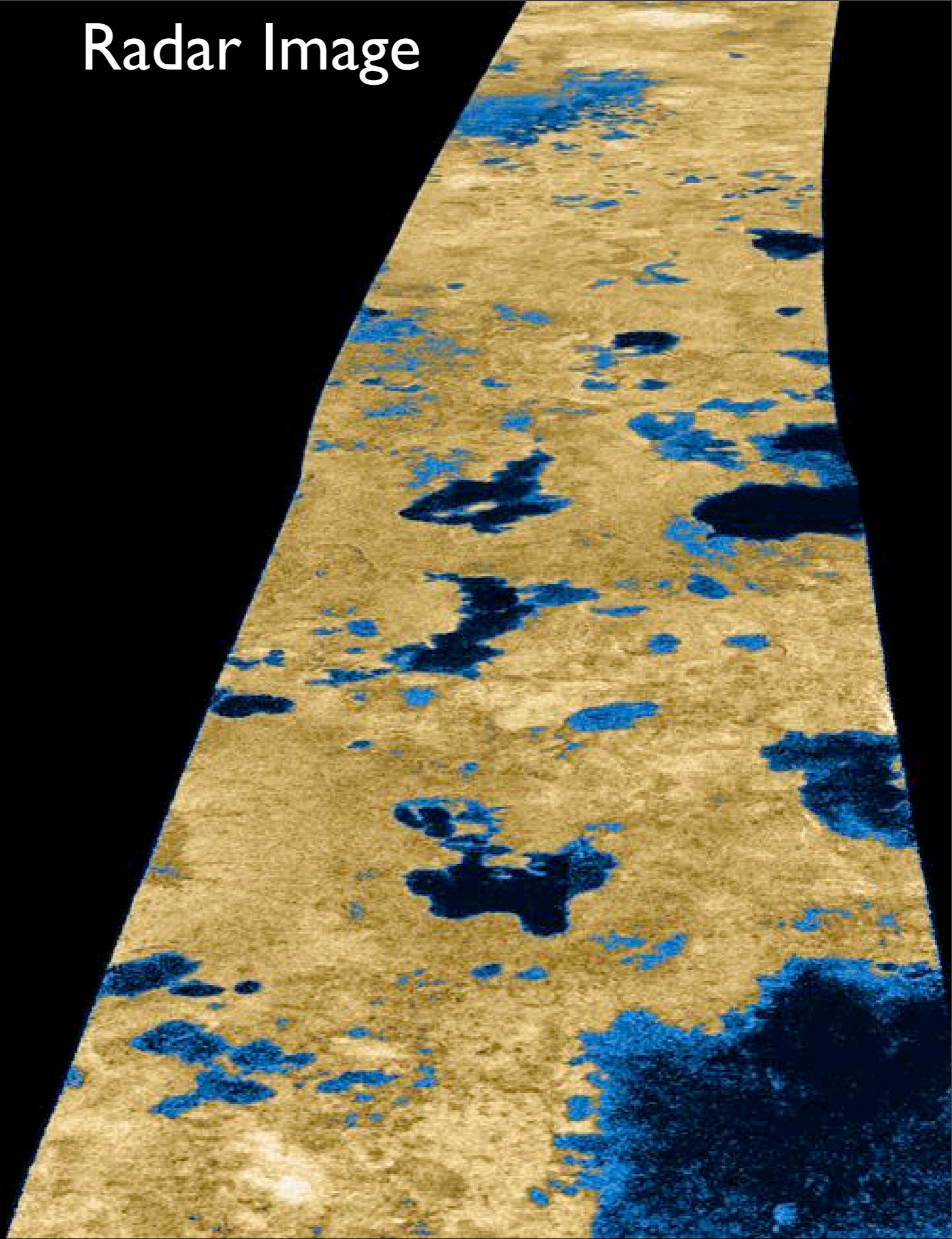


Visual wavelengths

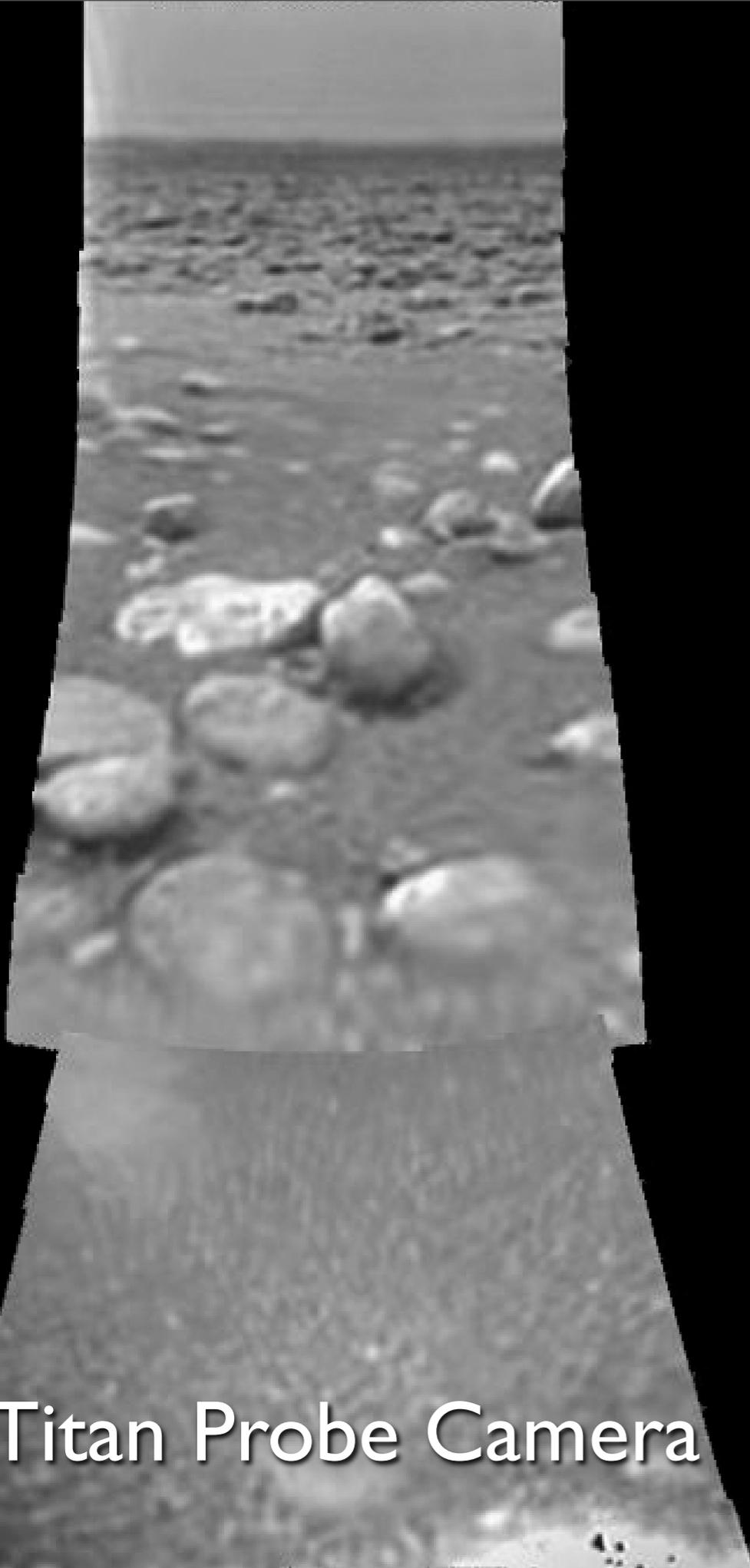
IR wavelengths



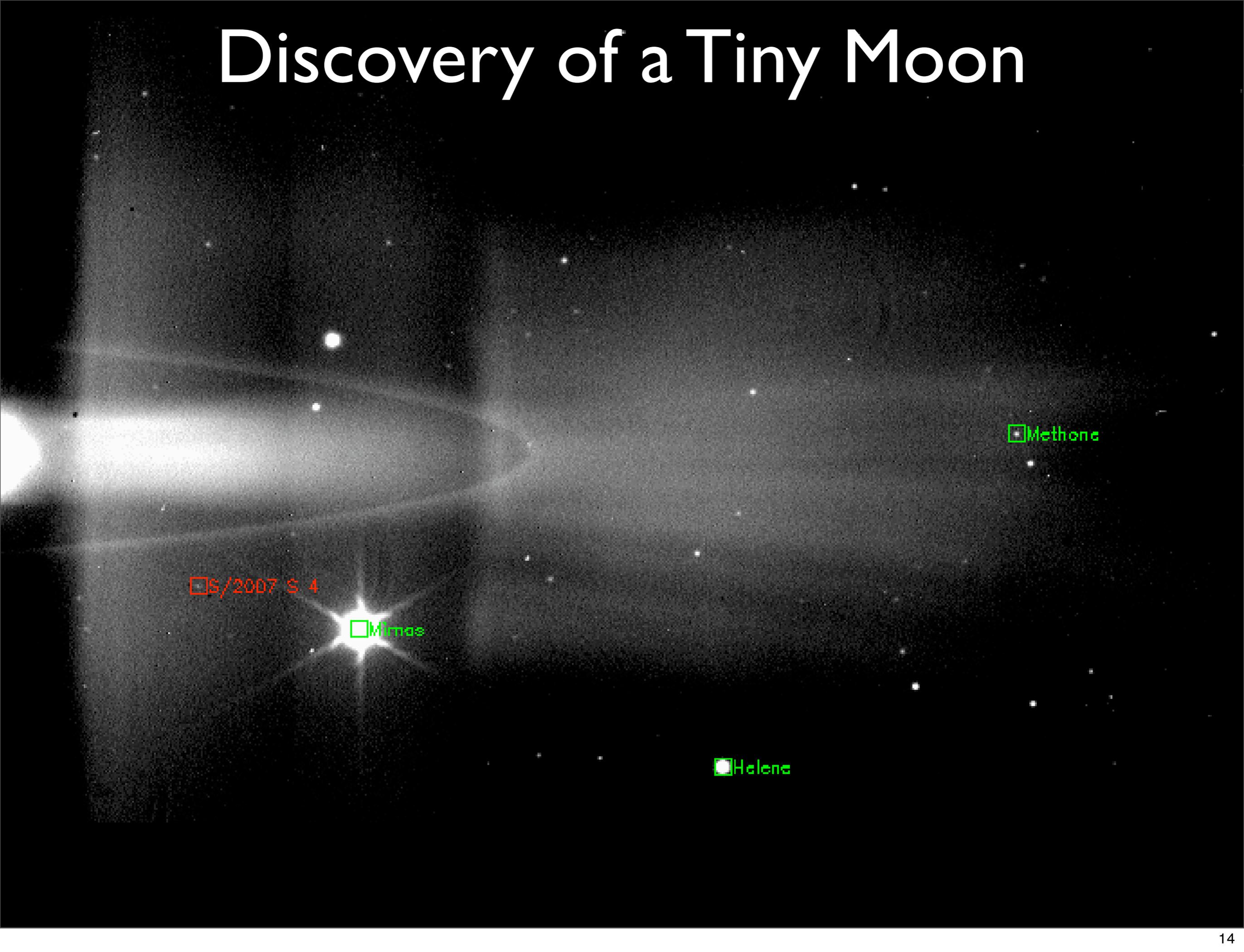
Radar Image



Titan Probe Camera



Discovery of a Tiny Moon



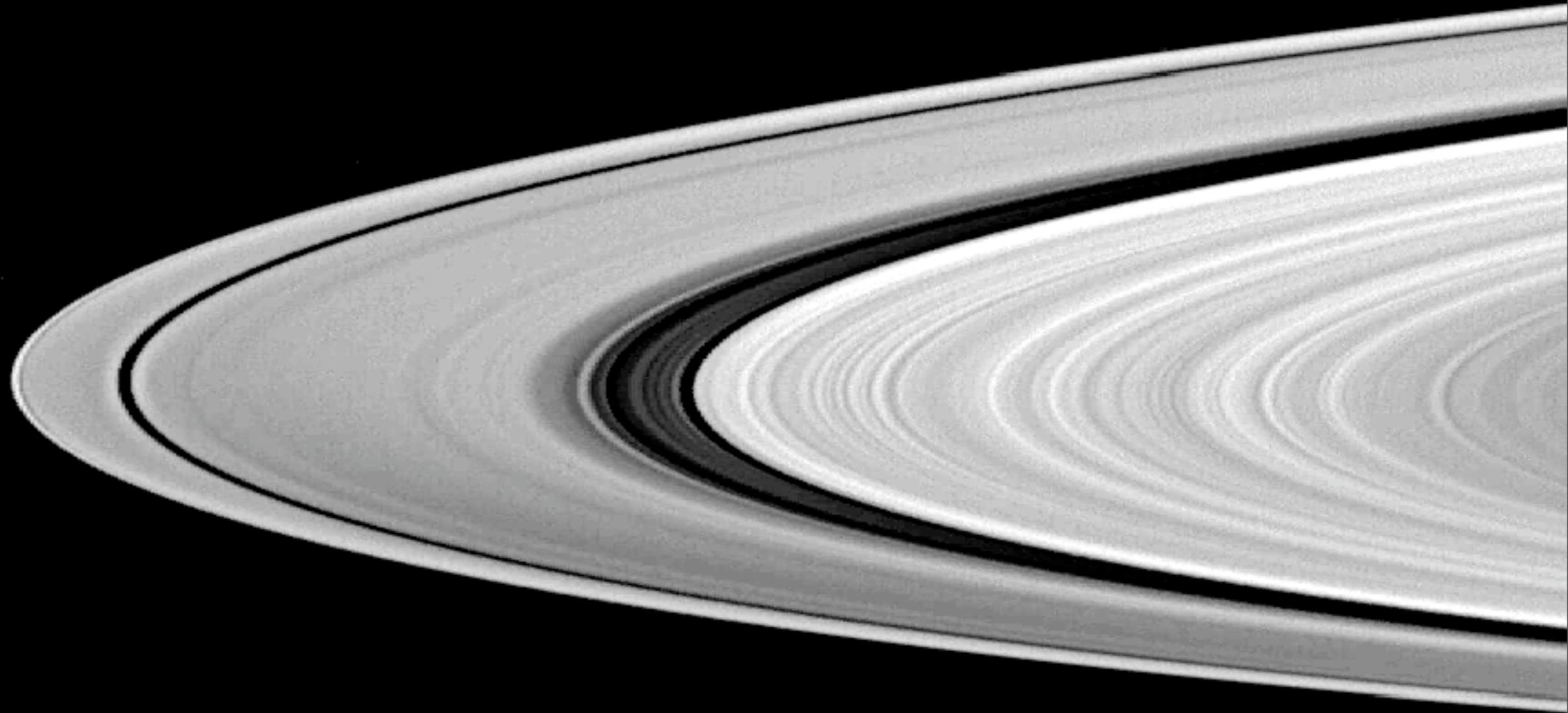
S/2007 S 4

Mimas

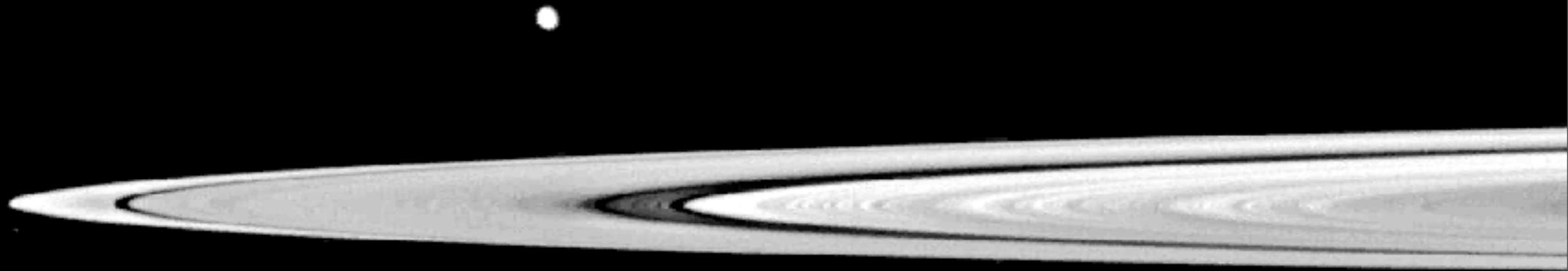
Helene

Methone

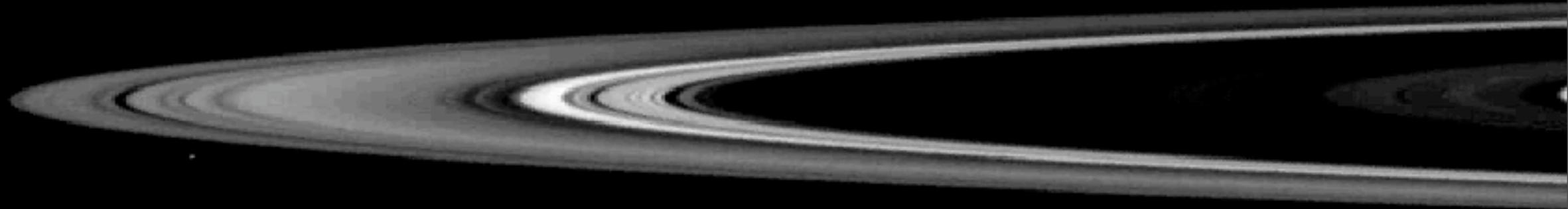
Cassini Crosses the Ring Plane



Cassini Crosses the Ring Plane



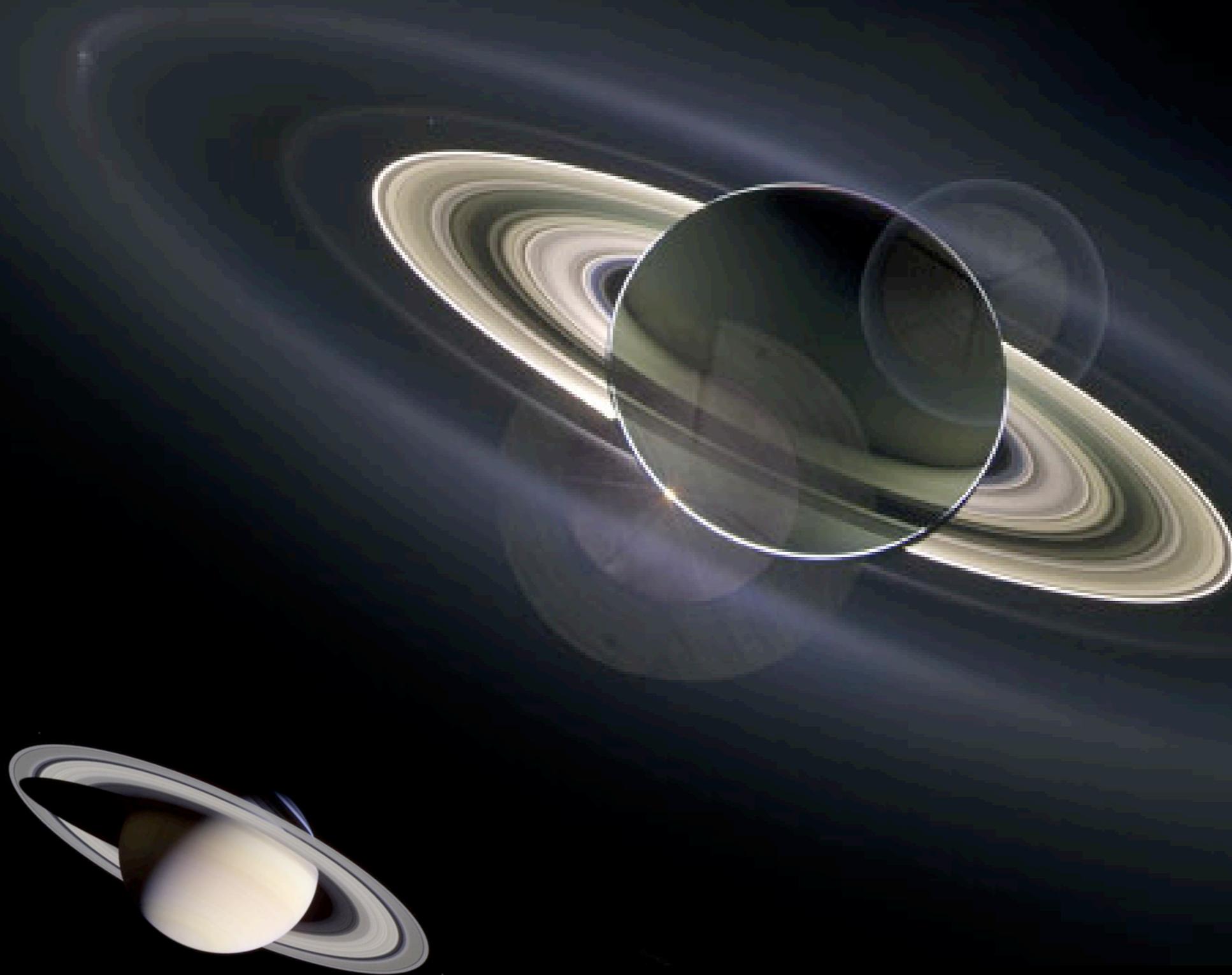
Cassini Crosses the Ring Plane



The View from Saturn's Shadow



The View from Saturn's Shadow



Enceladus in the E Ring



Ice “Geysers” from Enceladus



Saturn's Faint G Ring



Mimas Confines an Arc in the G Ring



Saturn's Mysterious F Ring



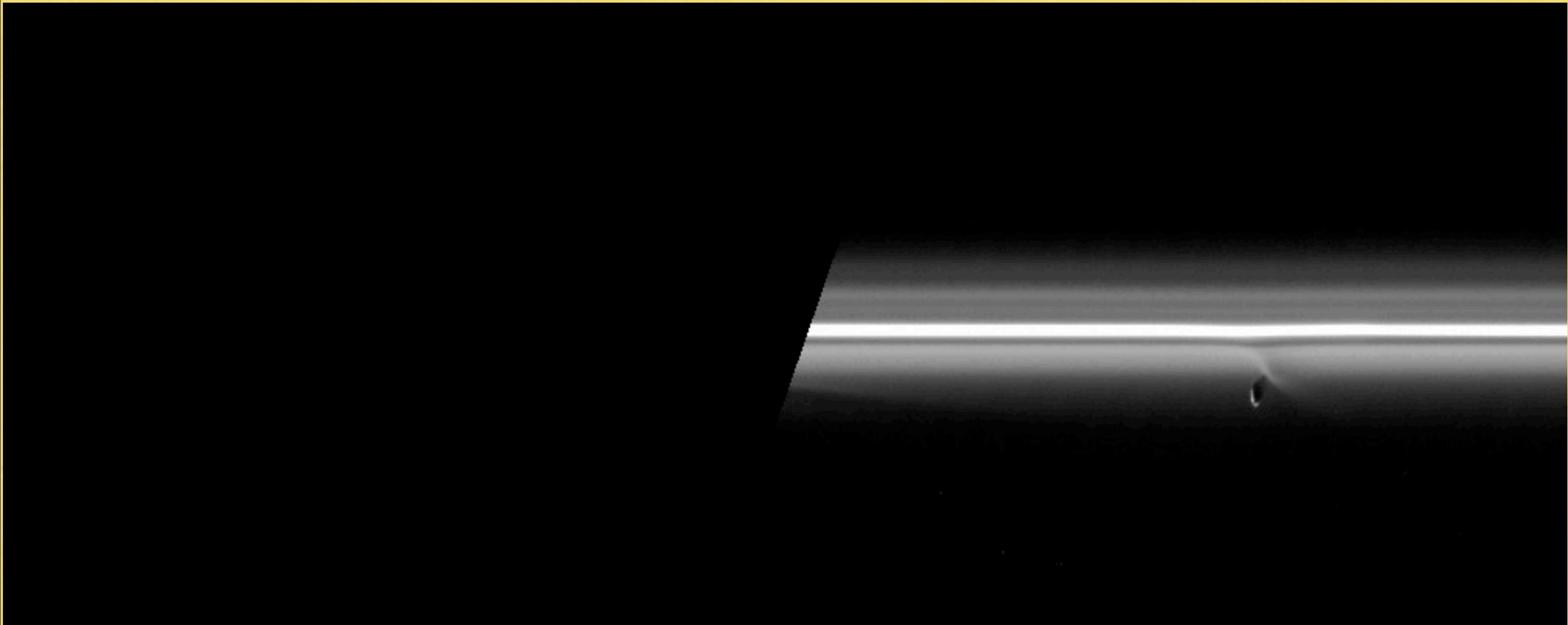
F Ring, Prometheus & Pandora



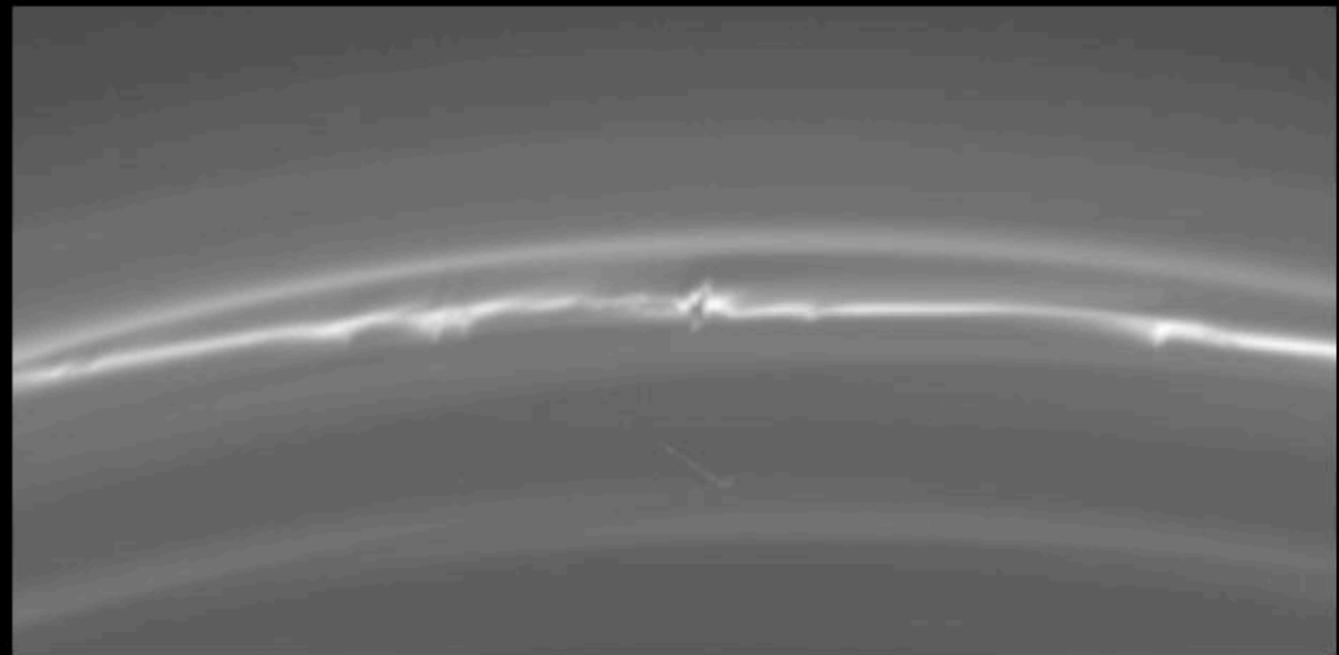
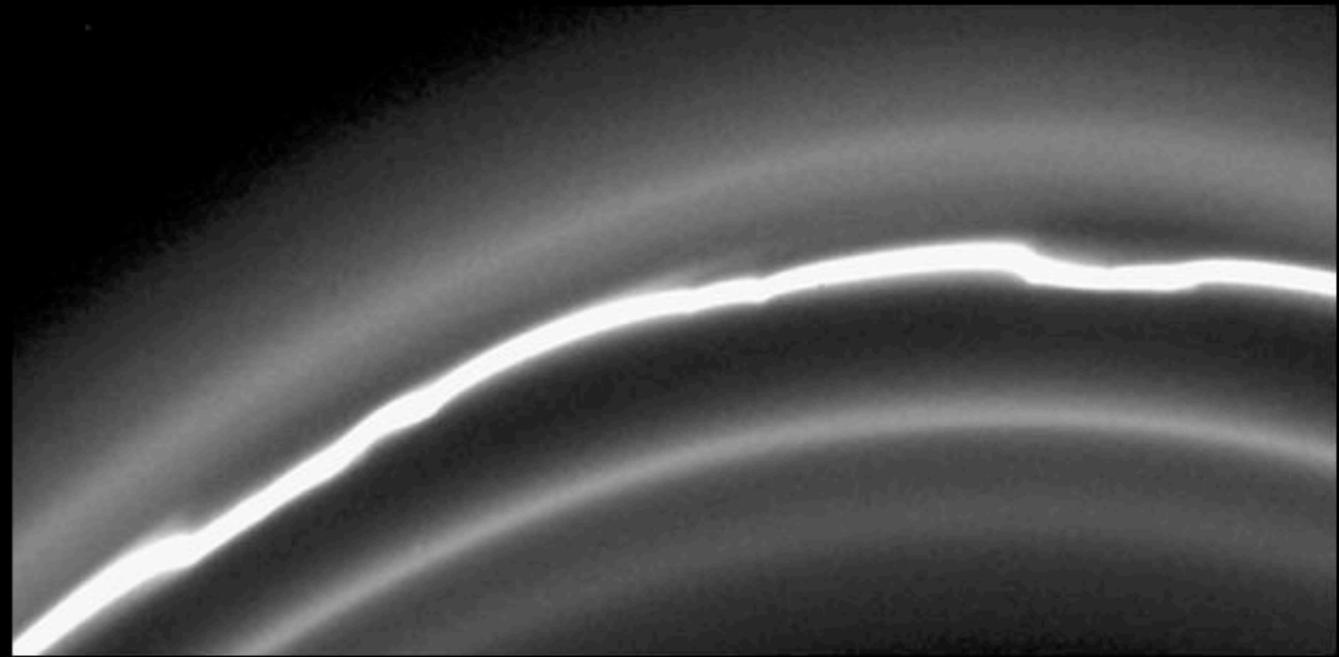
Prometheus Enters the F Ring



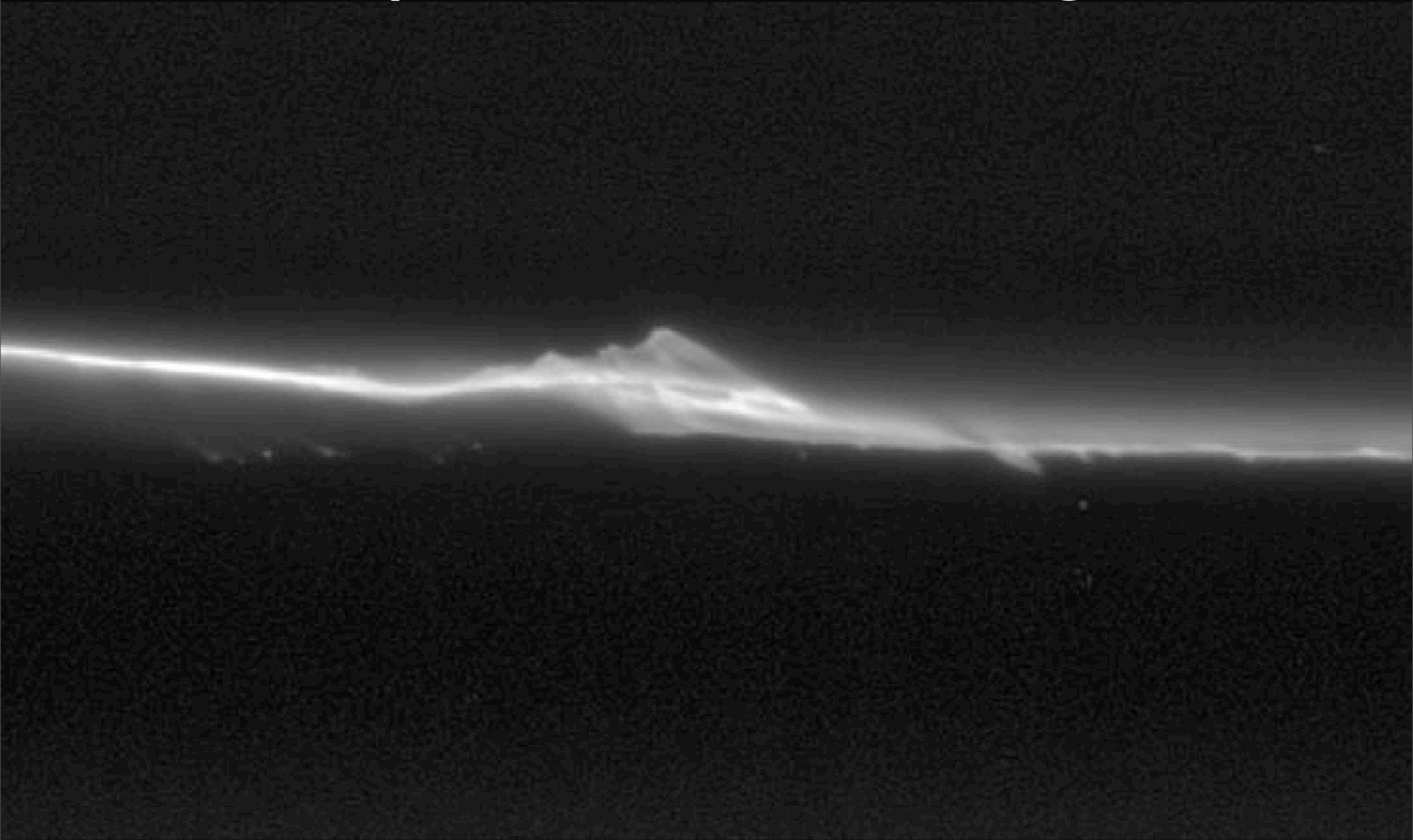
Prometheus Enters the F Ring



Four Views of the F Ring



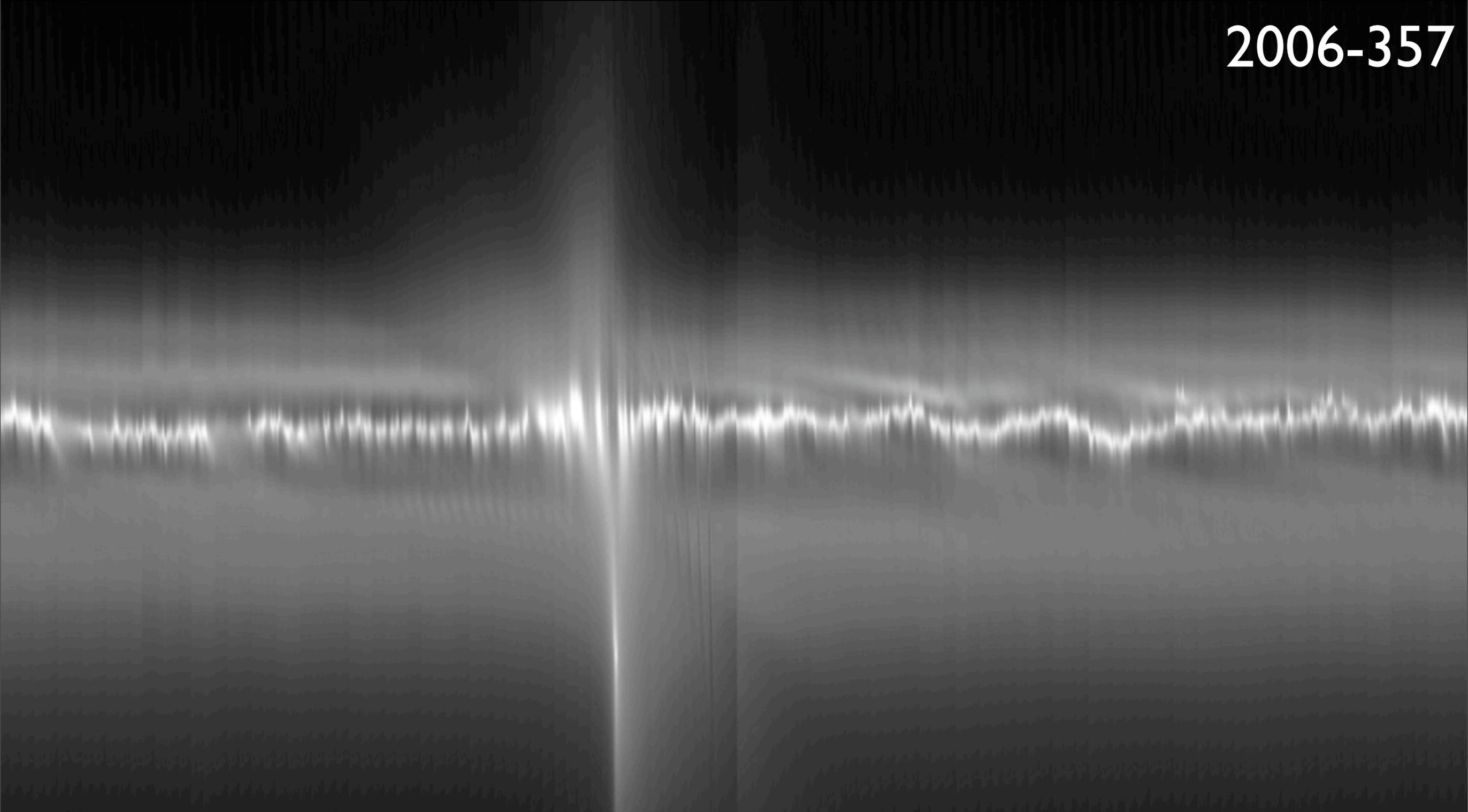
Impact into the F Ring?



2006-329

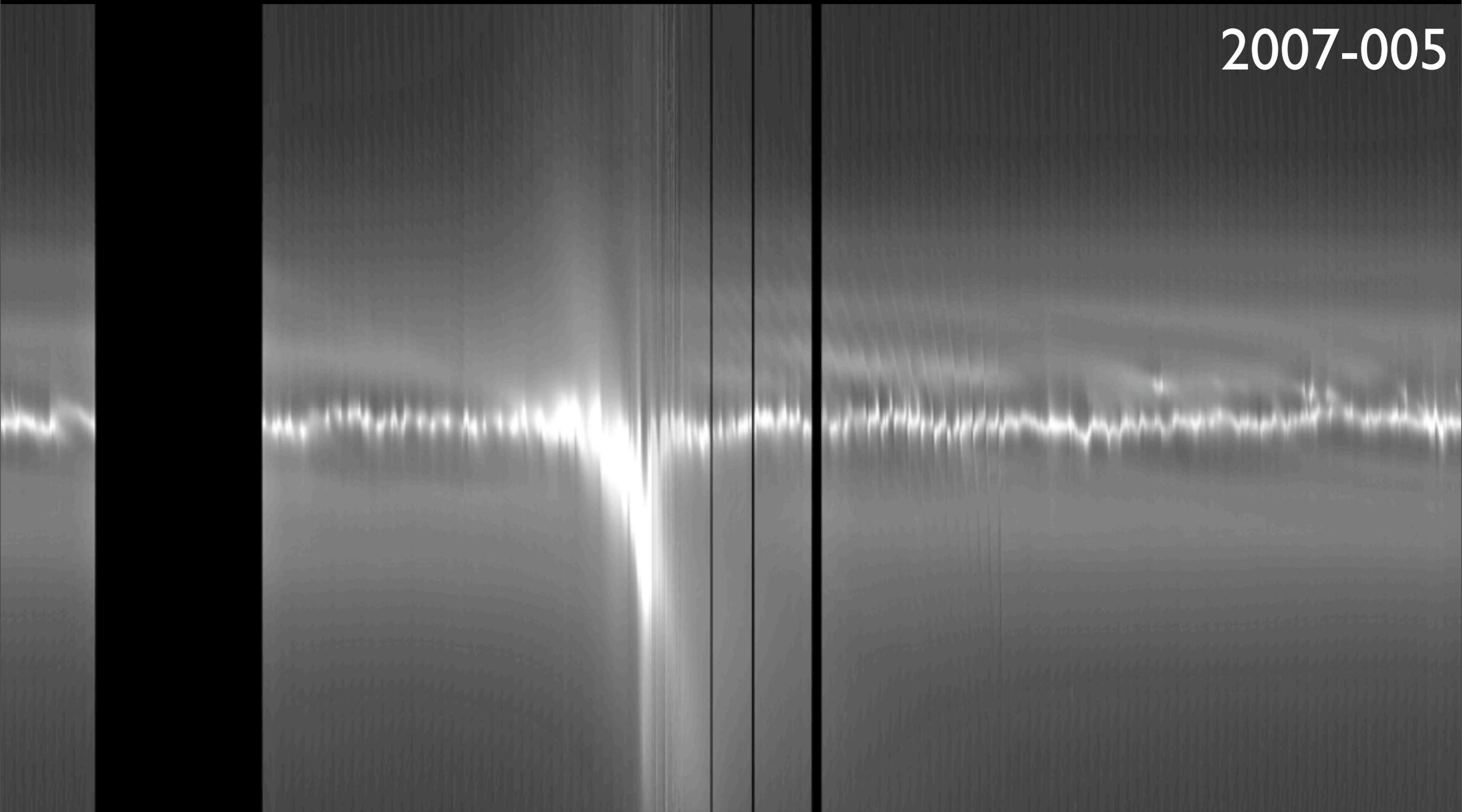
New Features Appear in the F Ring

2006-357



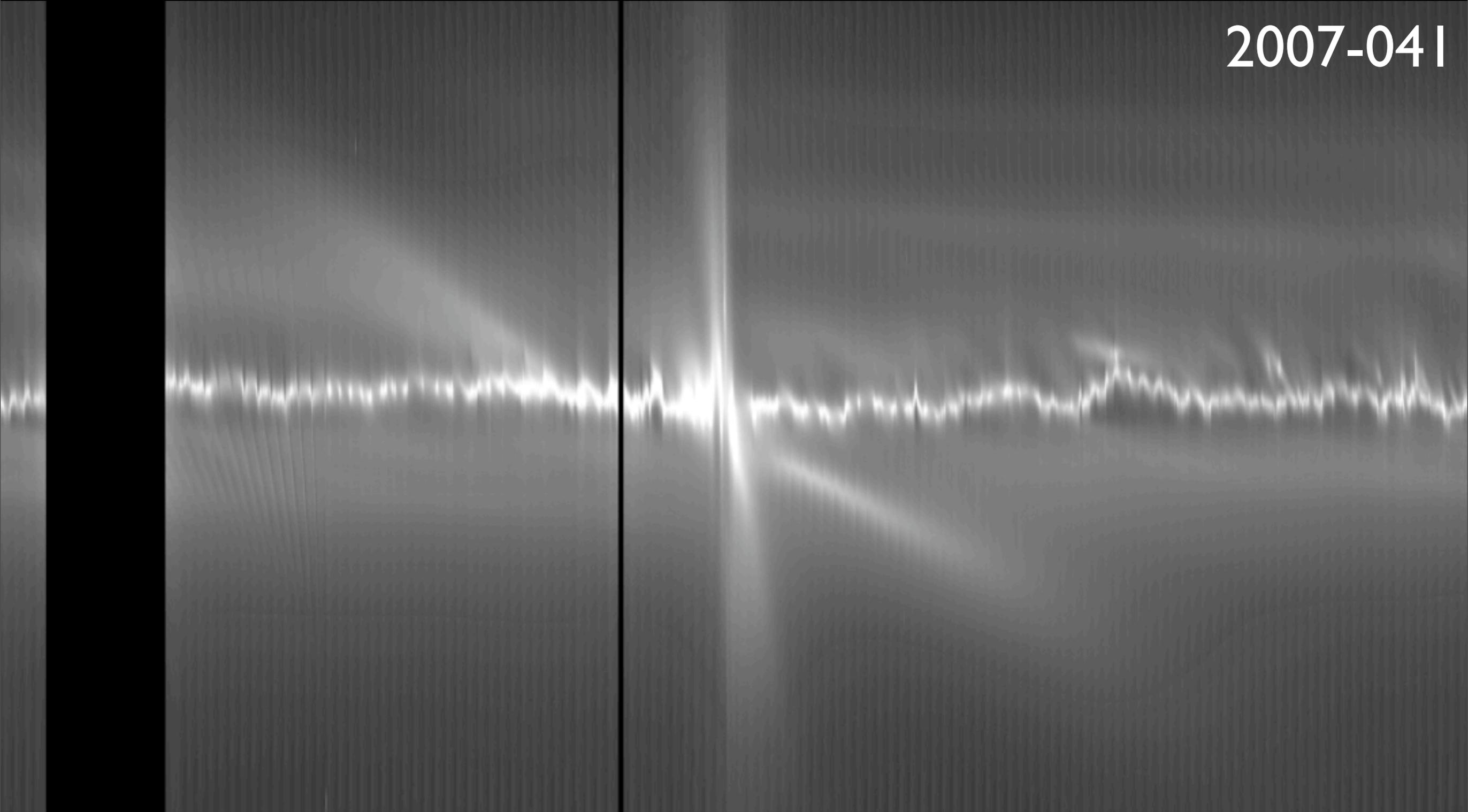
New Features Appear in the F Ring

2007-005



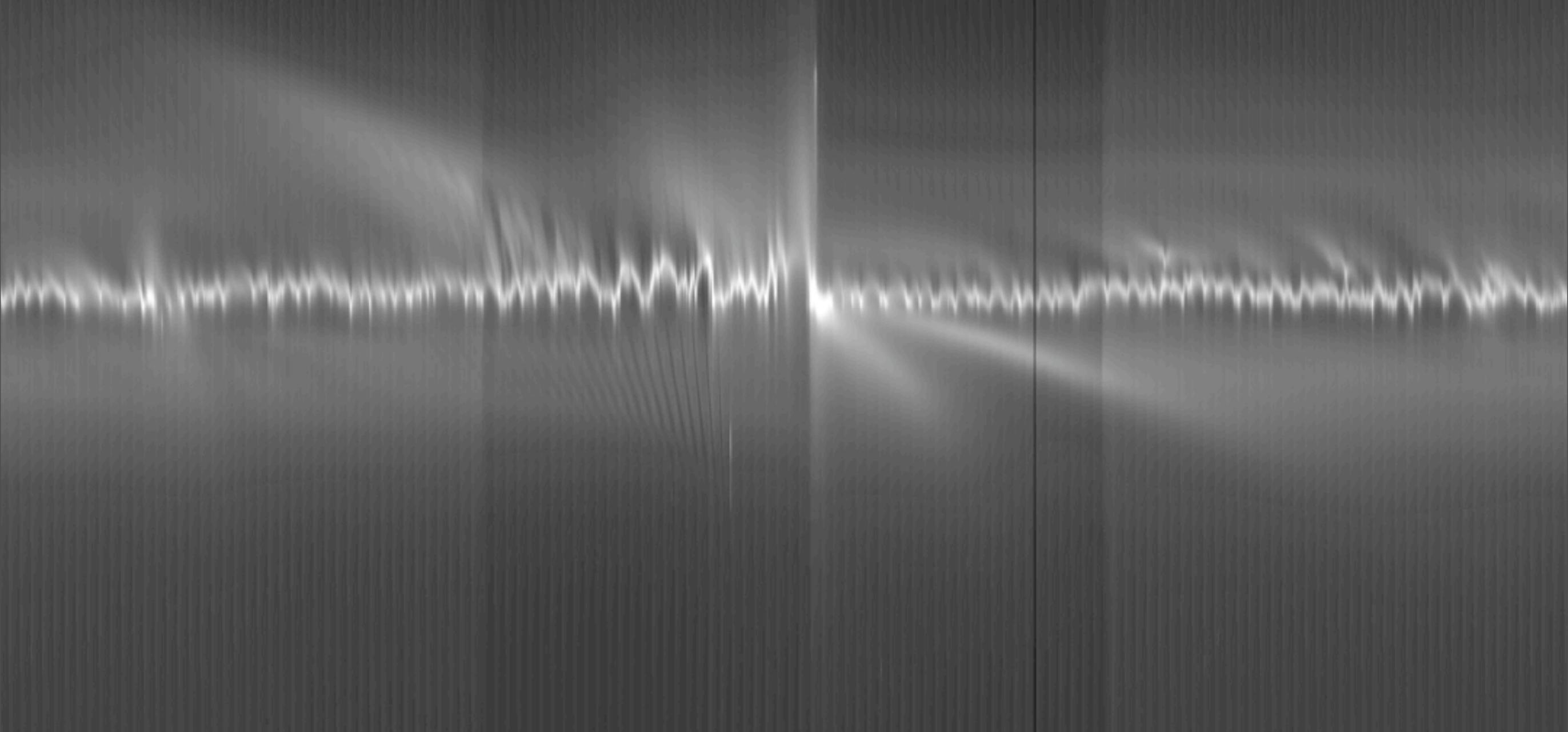
New Features Appear in the F Ring

2007-04 I



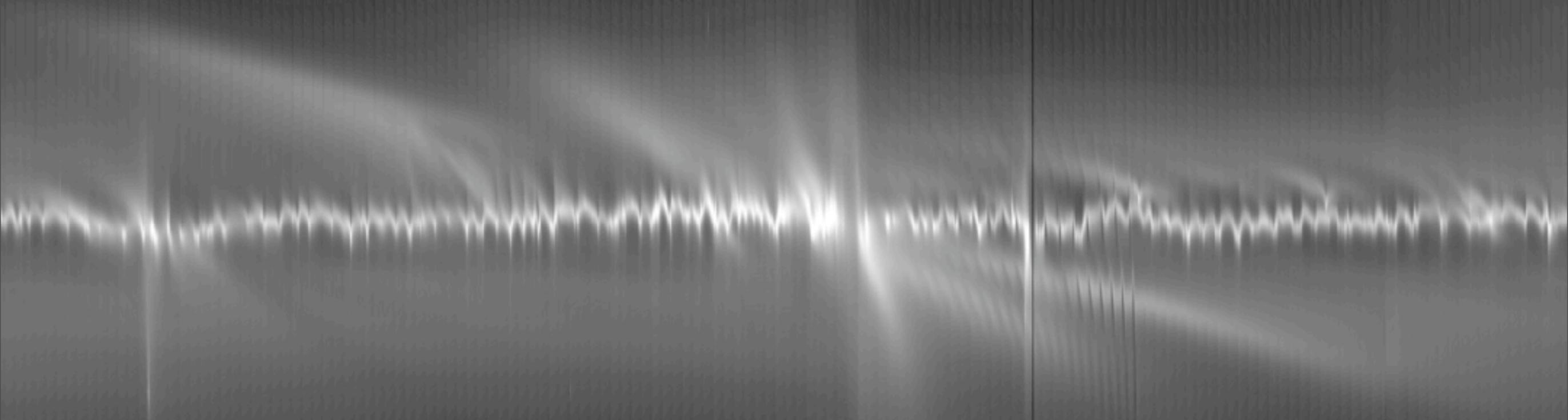
New Features Appear in the F Ring

2007-058



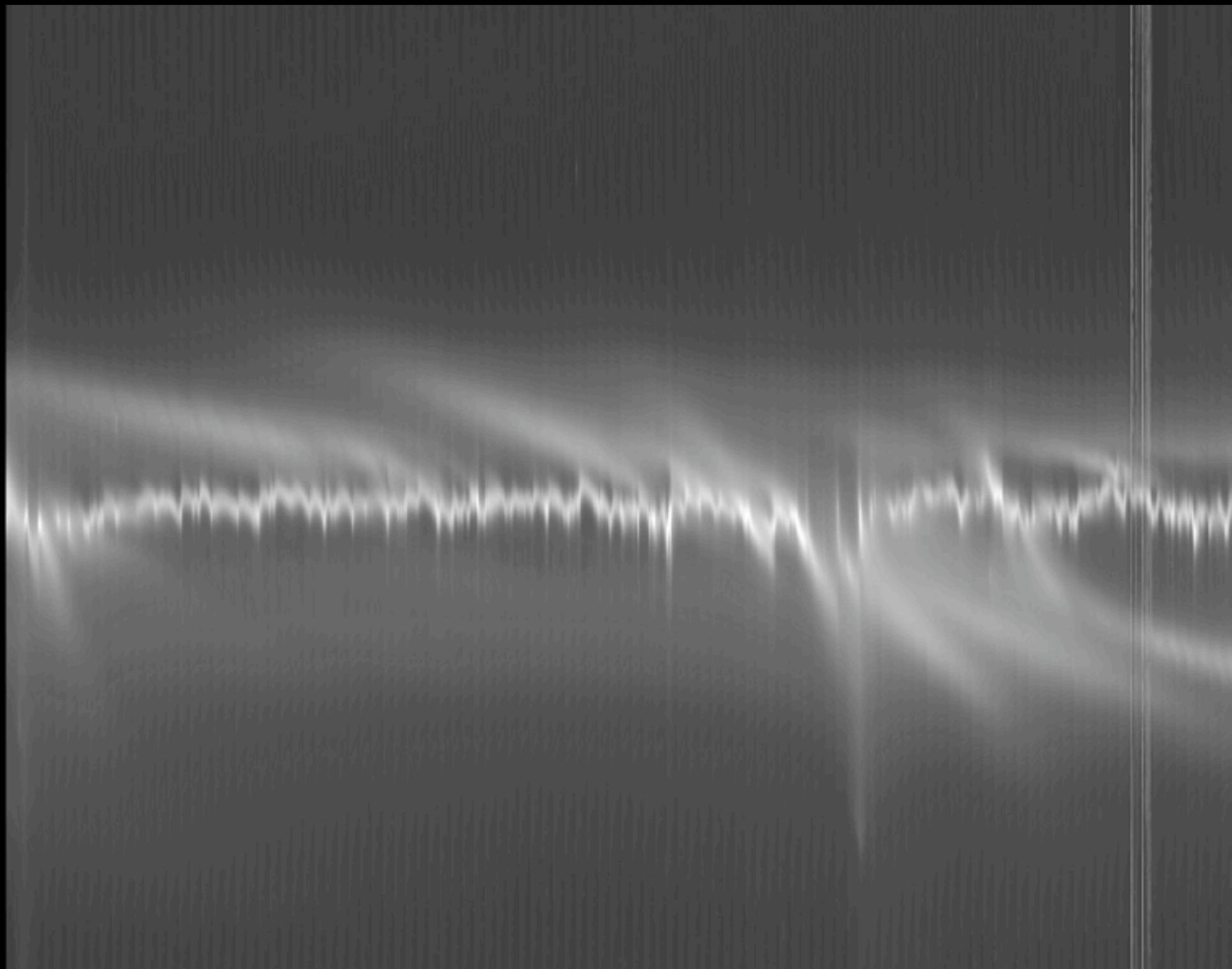
New Features Appear in the F Ring

2007-076



New Features Appear in the F Ring

2007-090

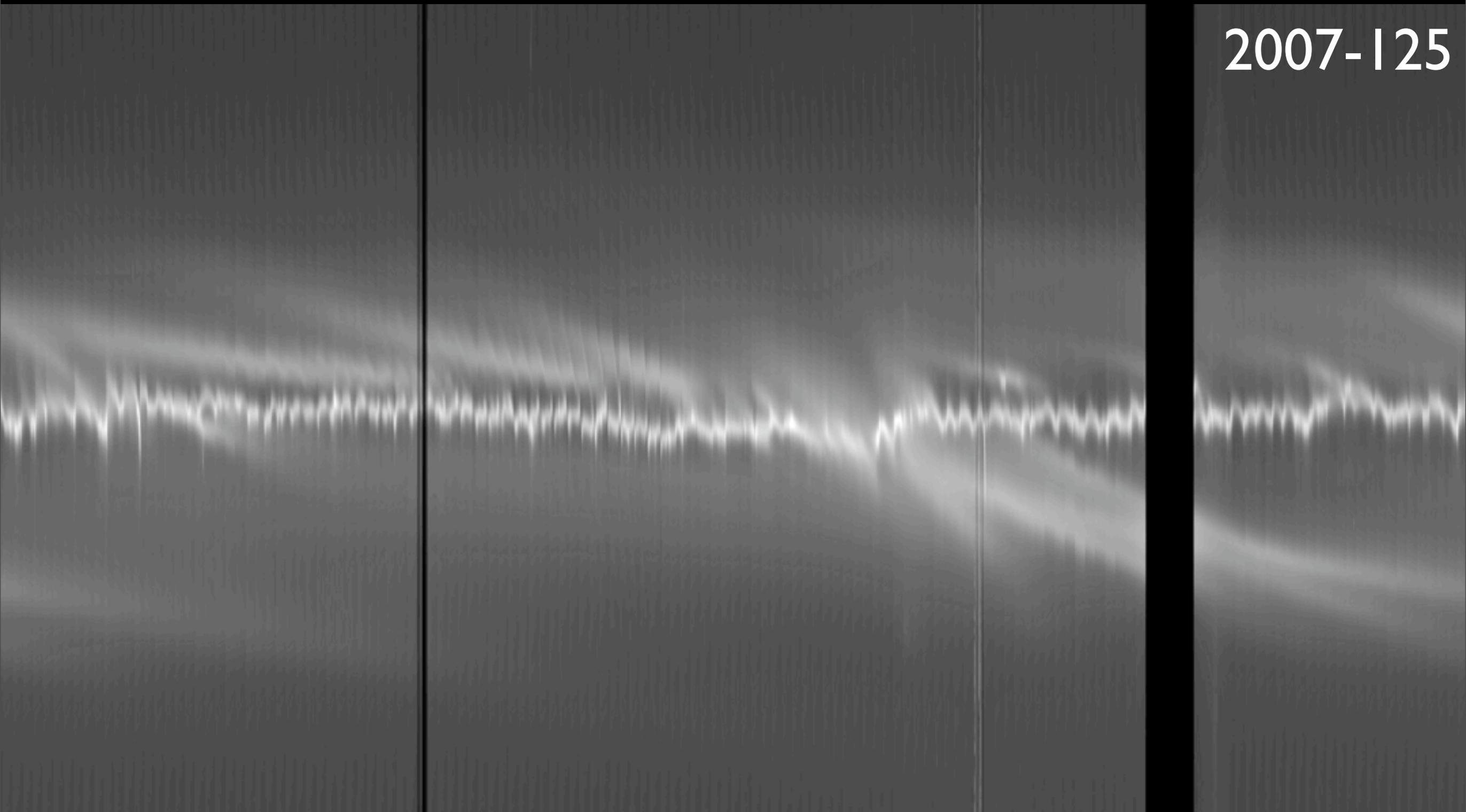


New Features Appear in the F Ring

2007-108

New Features Appear in the F Ring

2007-125



New Features Appear in the F Ring

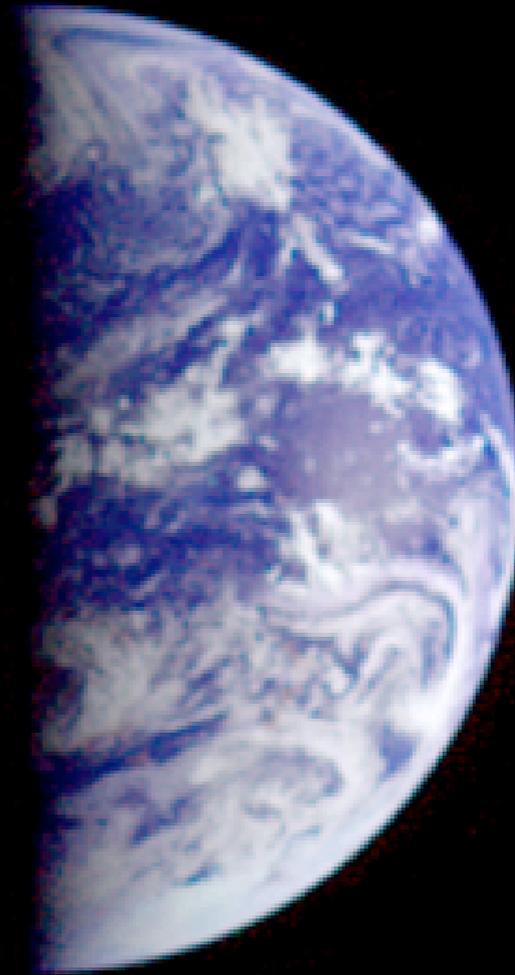
Daphnia Disturbs the Keeler Gap



“Spokes” and Fine Structure in Ring B

What is This?





Home!

More Information:

saturn.jpl.nasa.gov

www.esa.int/SPECIALS/Cassini-Huygens