The Cassini Mission to Saturn



Mark R. Showalter SETI Institute

July 26, 2007

The Cassini Mission to Saturn and its Rings



Mark R. Showalter SETI Institute

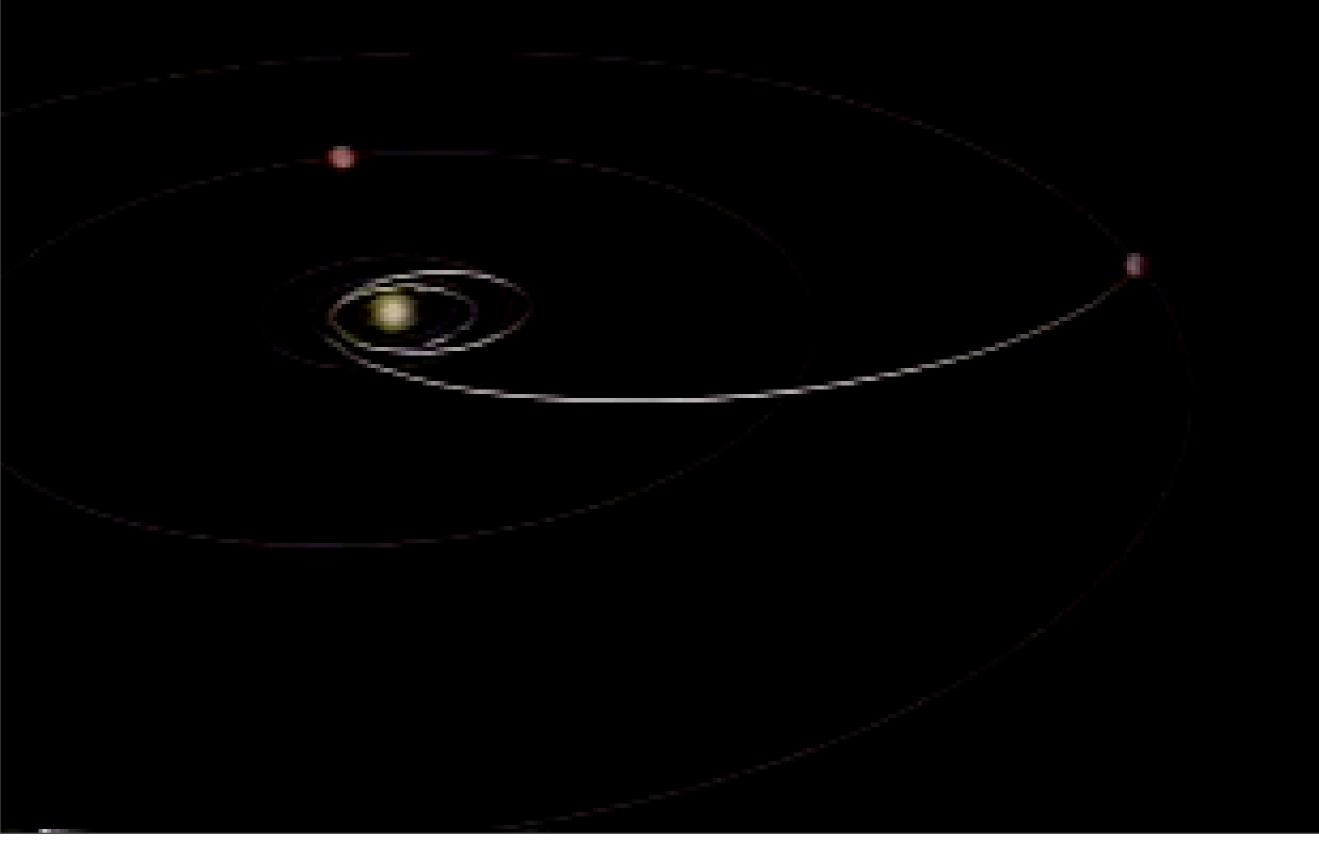
July 26, 2007





October 15, 1997

Cassini's Journey to Saturn

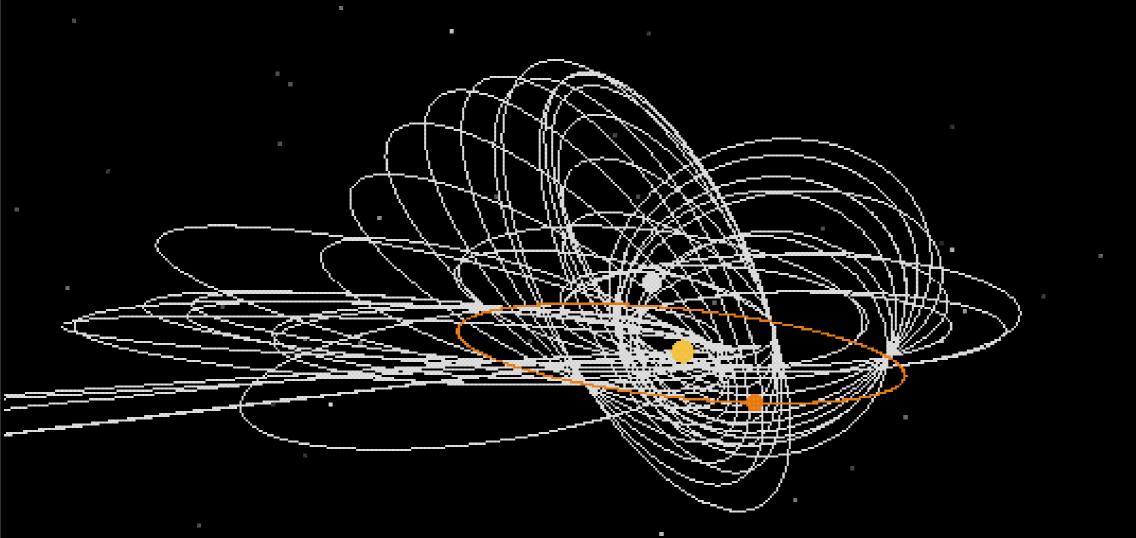


Approach View of Saturn



Rockets Fire to Slow Cassini Down

Cassini's Tour of the Saturn System



2007/11/19-20:42:00

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Moons of Saturn

Janus



Rhea



Mimas

Cassini Encounters Dione

Cassini Encounters Dione

Cassini Encounters Dione

Views of Titan

IR wavelengths

Visual wavelengths



4.

Radar Image

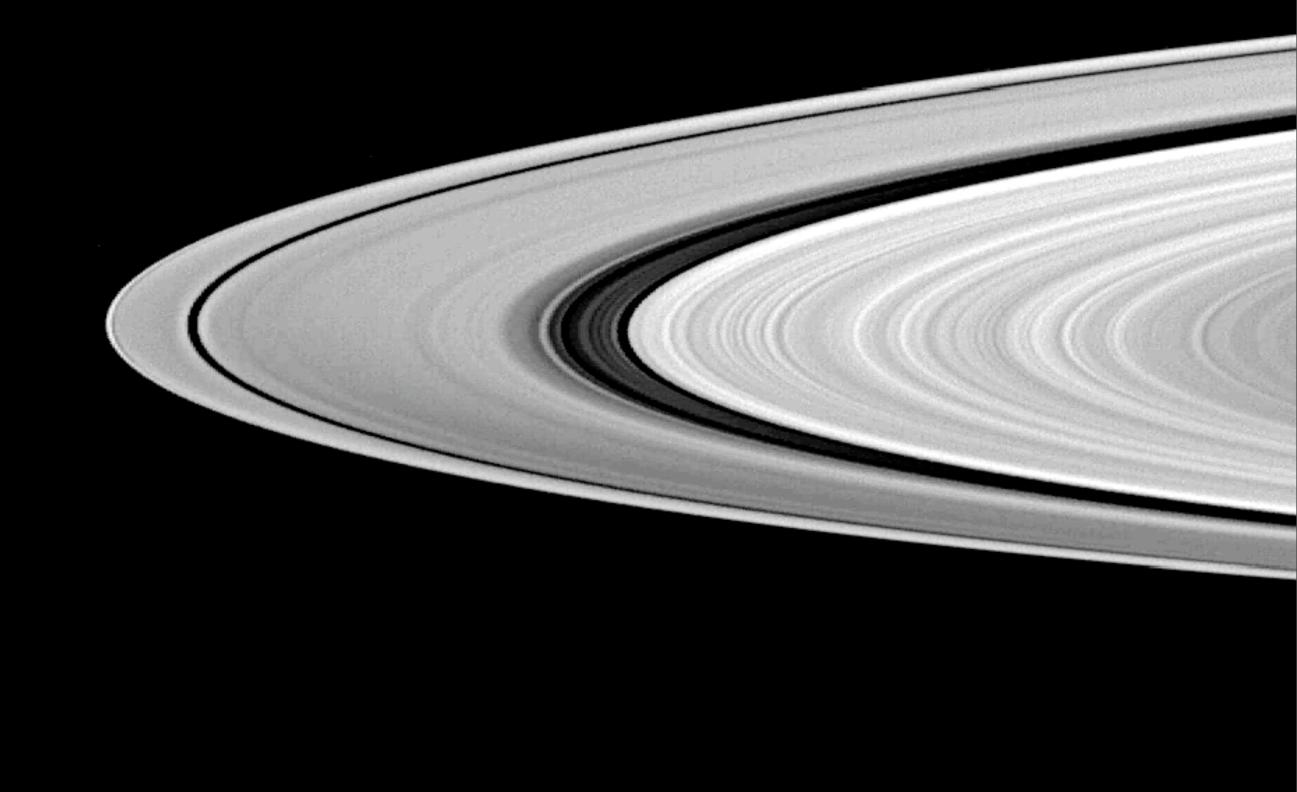
Discovery of a Tiny Moon

⊡Helene

Mimas

Methone

Cassini Crosses the Ring Plane

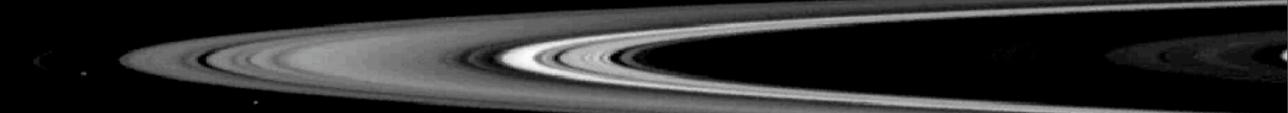


Cassini Crosses the Ring Plane

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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



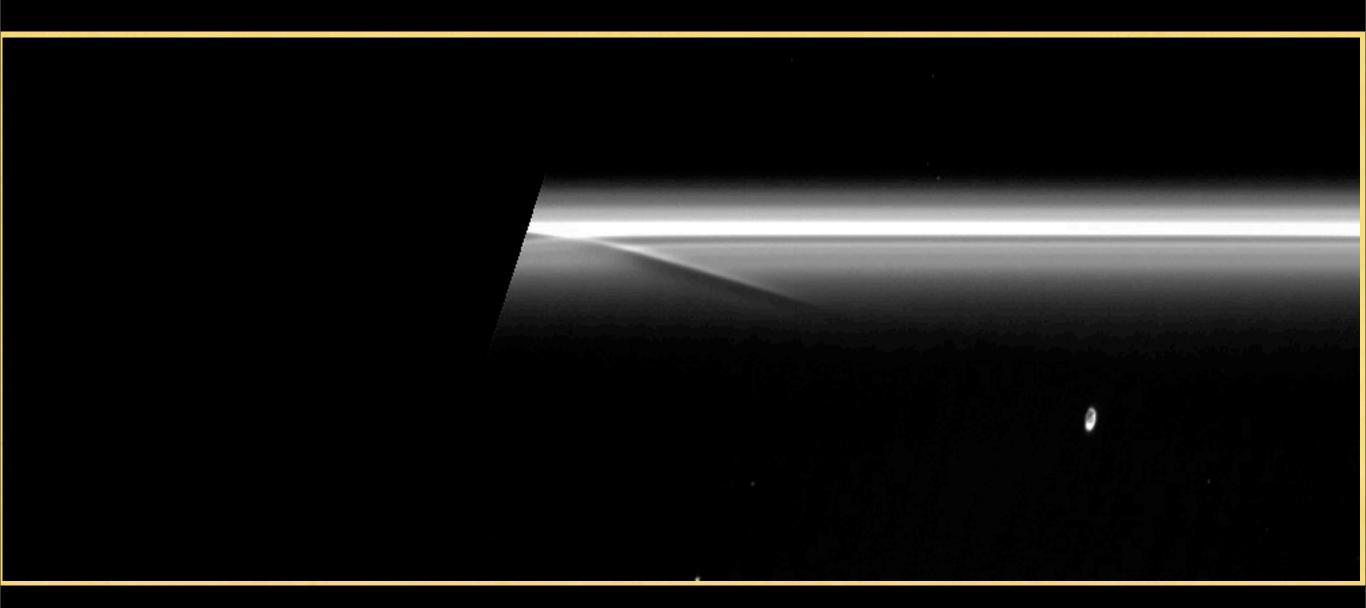
Mimas Confines an Arc in the G Ring

Saturn's Mysterious F Ring

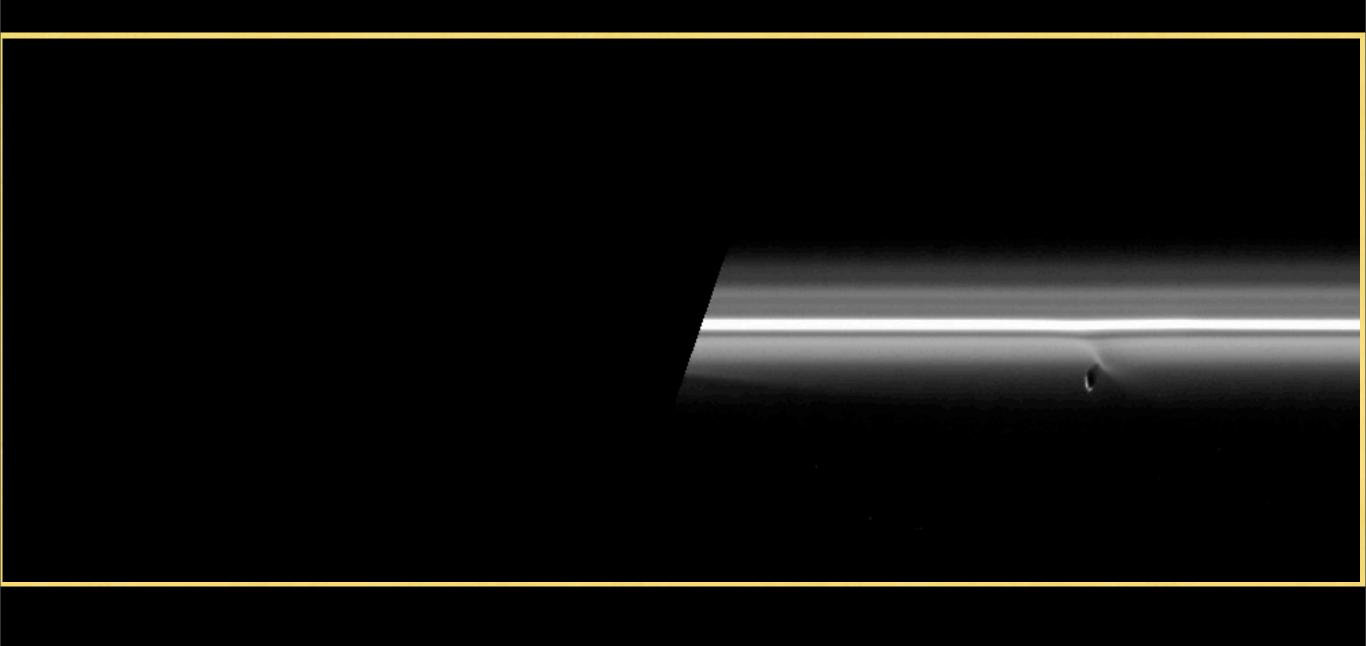


F Ring, Prometheus & Pandora

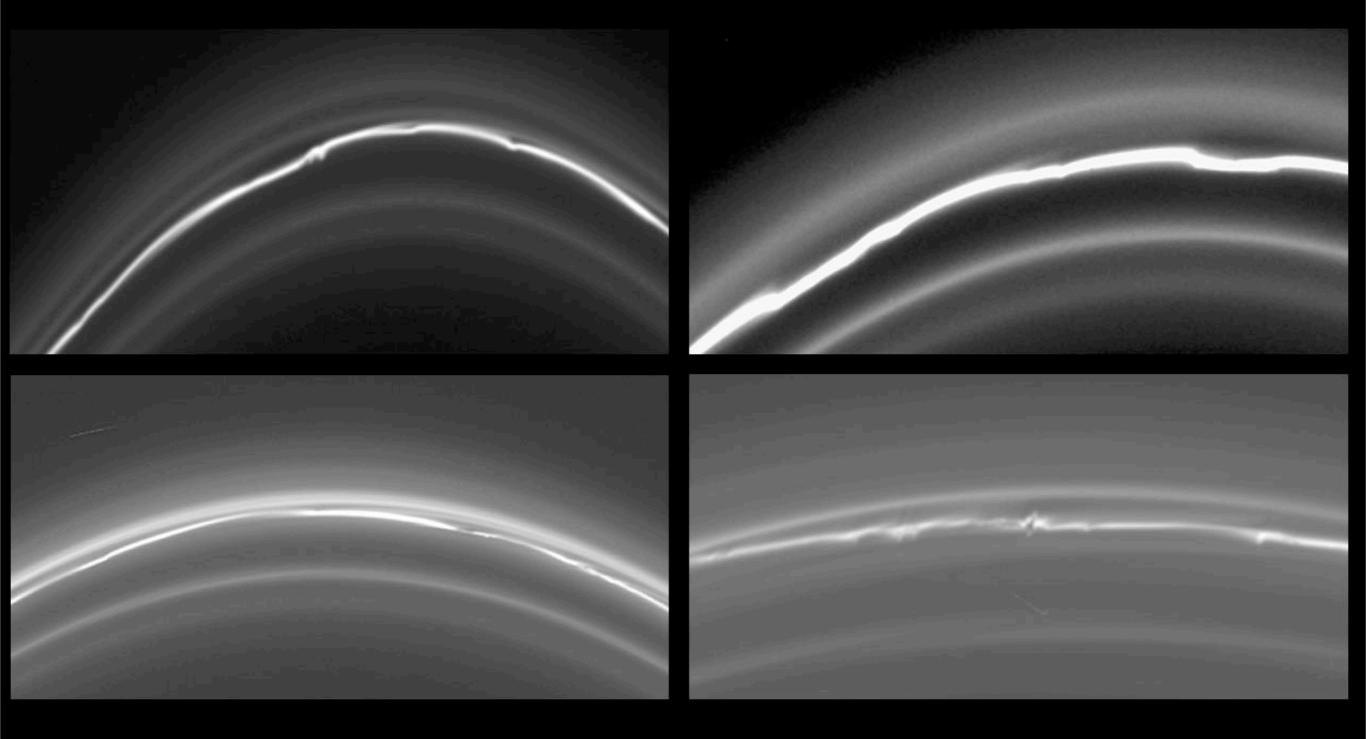
Prometheus Enters the F Ring



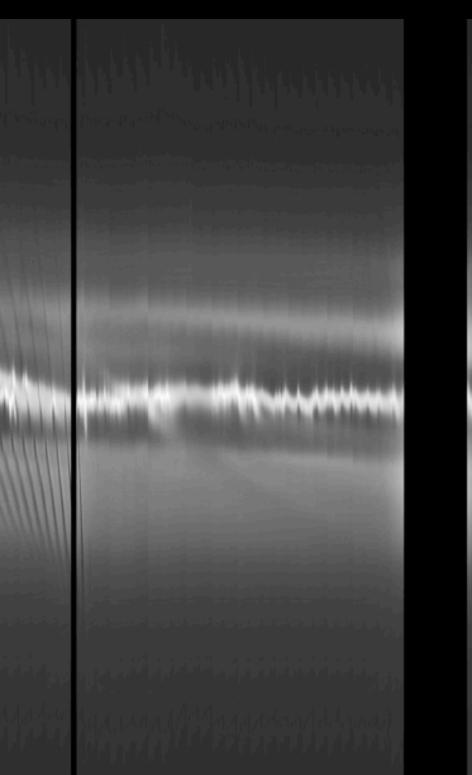
Prometheus Enters the F Ring



Four Views of the F Ring



Impact into the F Ring?



2006-329

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New Features Appear in the F Ring

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New Features Appear in the F Ring

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New Features Appear in the F Ring

2007-005

New Features Appear in the F Ring

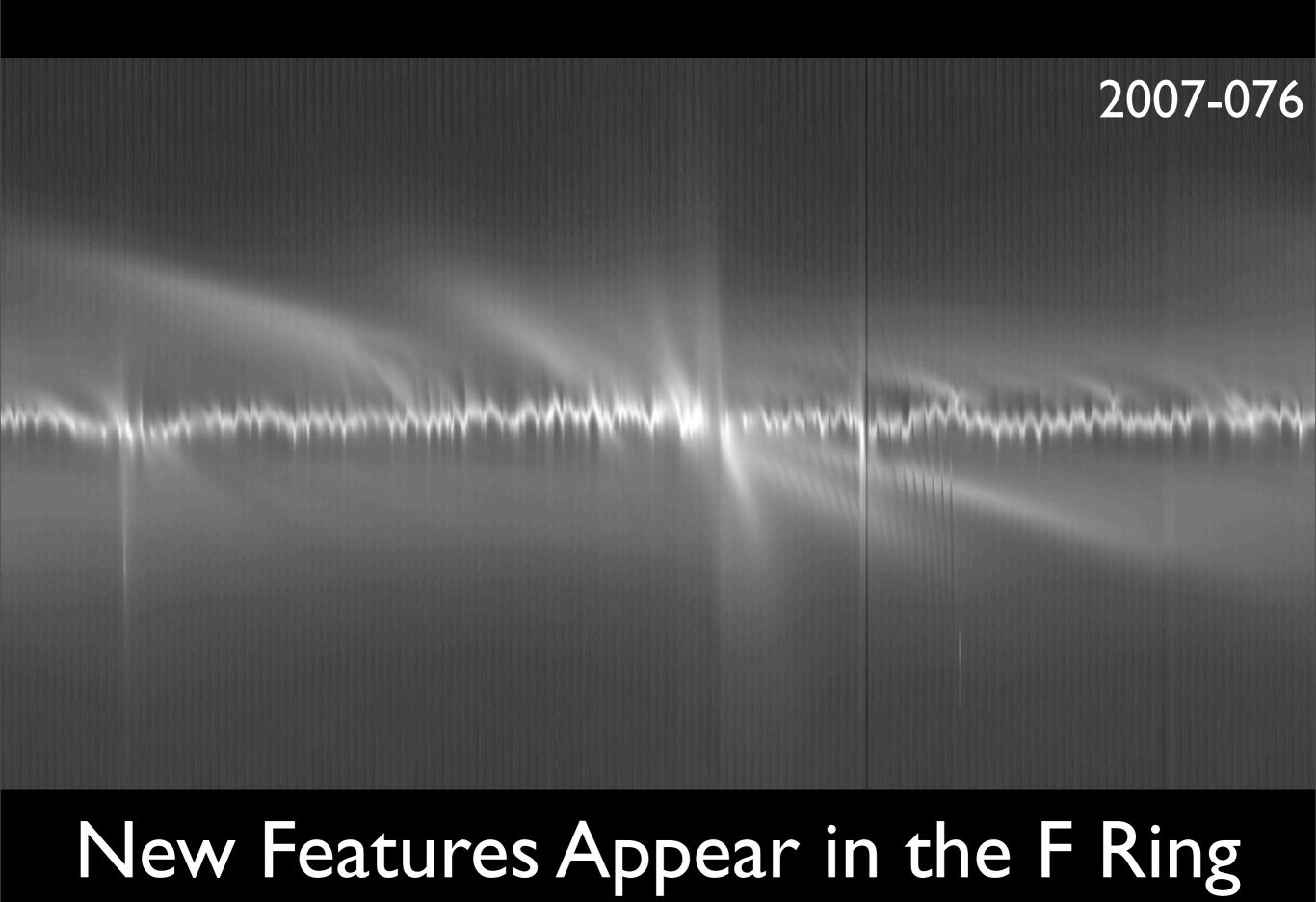
2007-041

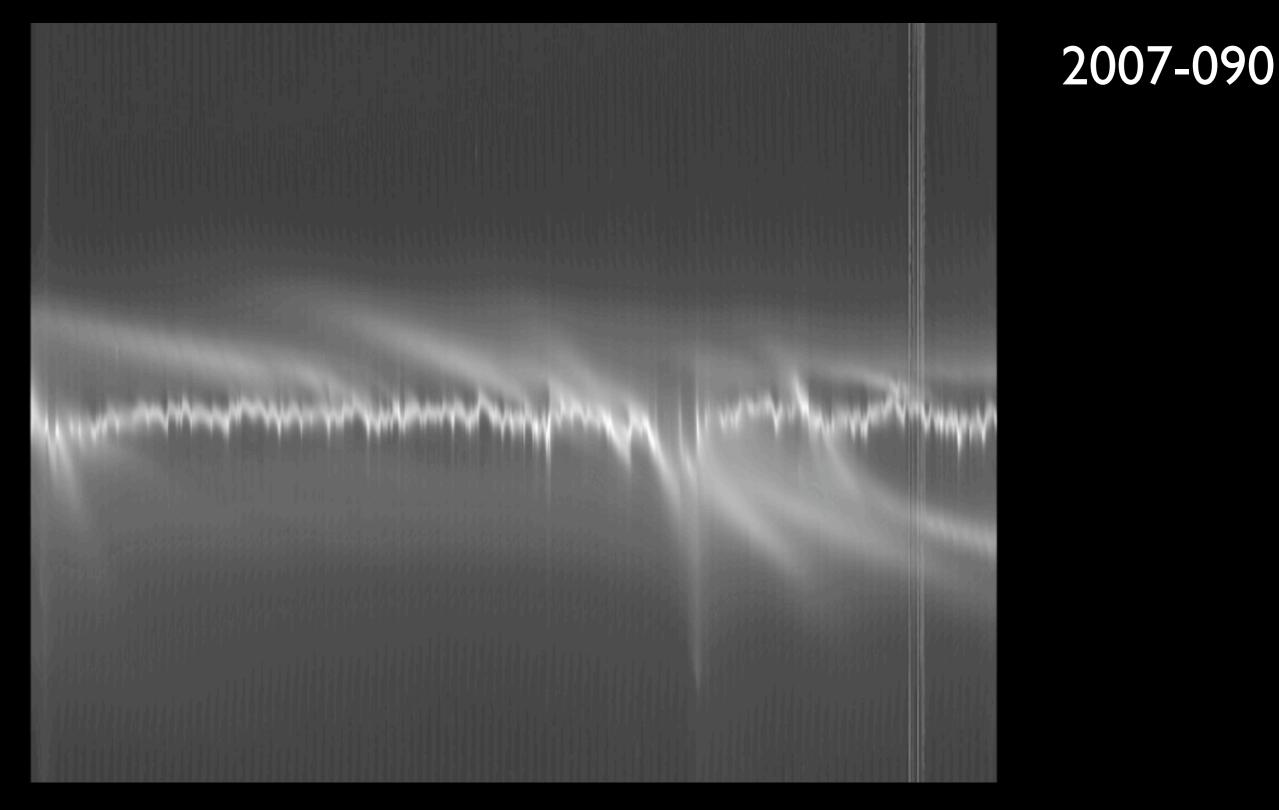
2007-058

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New Features Appear in the F Ring

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New Features Appear in the F Ring

2007-108 added add and the second se New Features Appear in the F Ring

2007-125

New Features Appear in the F Ring

Daphnis 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