



Cassini-Huygens : a Remarkable Example of International Cooperation

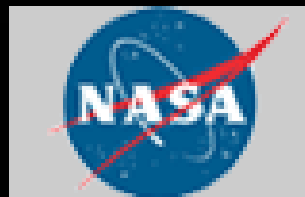
Enrico Flamini

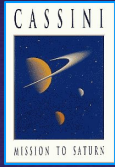
Agenzia Spaziale Italiana

Science and Technology Subcommittee

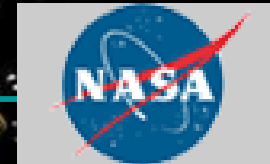
Vienna- 2014

3 Space Agencies 18 Countries





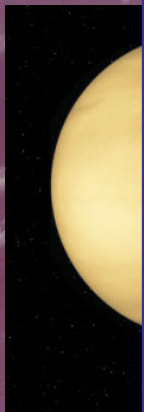
Cassini-Huygens :A significant Italian participation



CASSINI



MISSION TO SATURN



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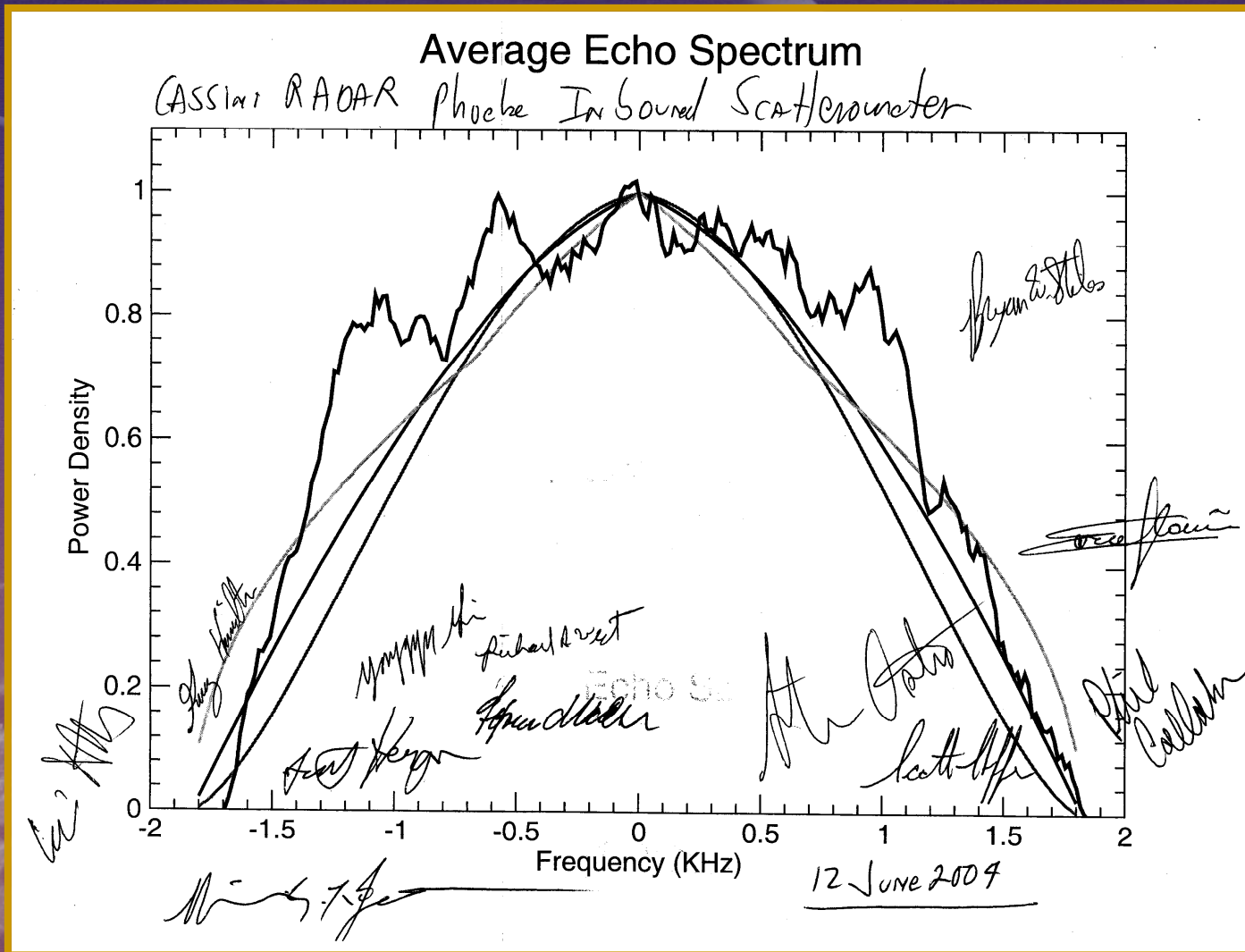
CASSINI



MISSION TO SATURN

Phoebe: First Echo at Saturn

12 June 2004: First Radar Echo (distance from Phoebe = 50,000 km)



15 January 2005
still an almos

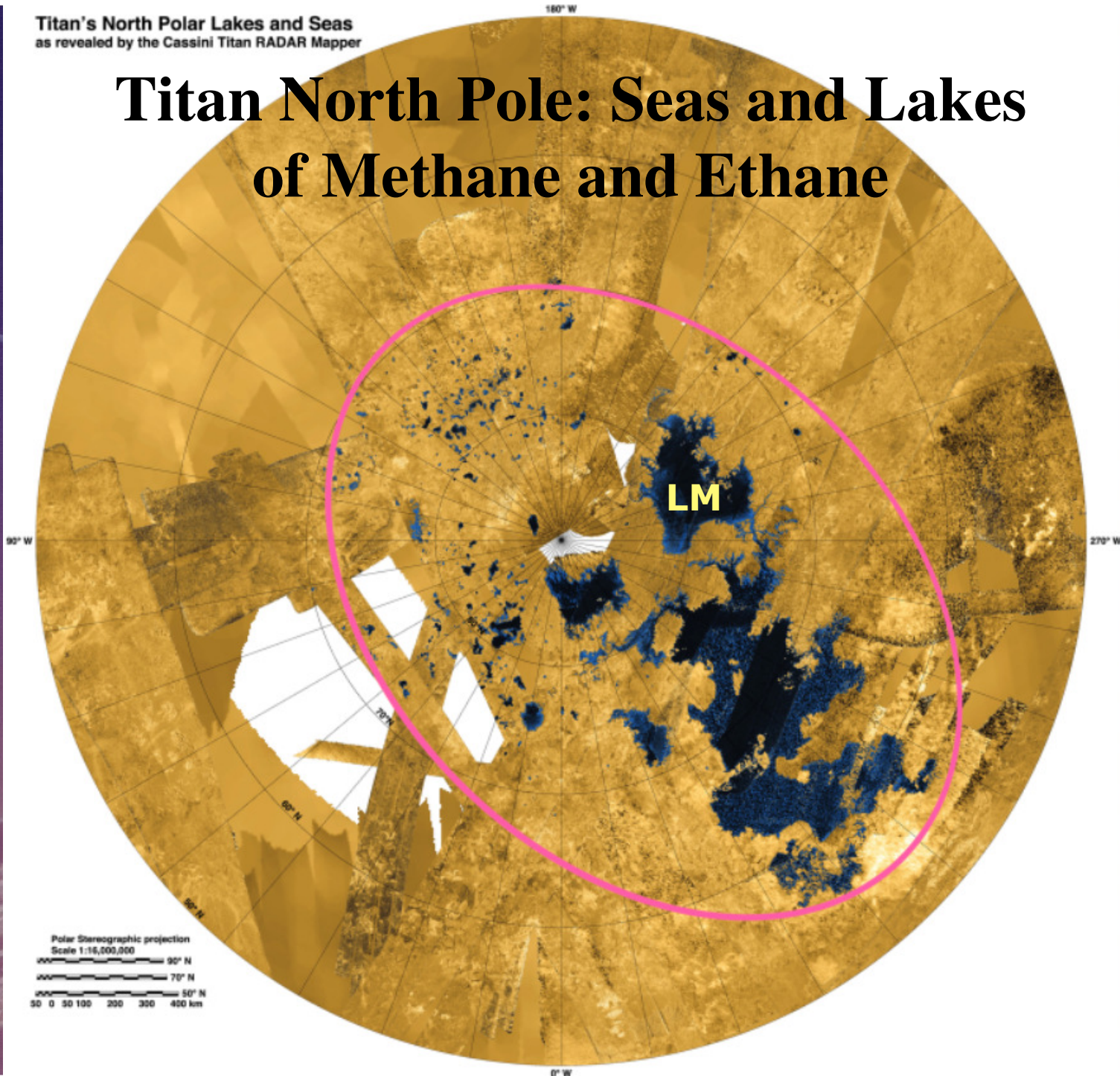
15 January 2005
Afternoon: Titan
discovered
Huygens is on the
surface

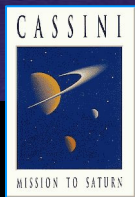




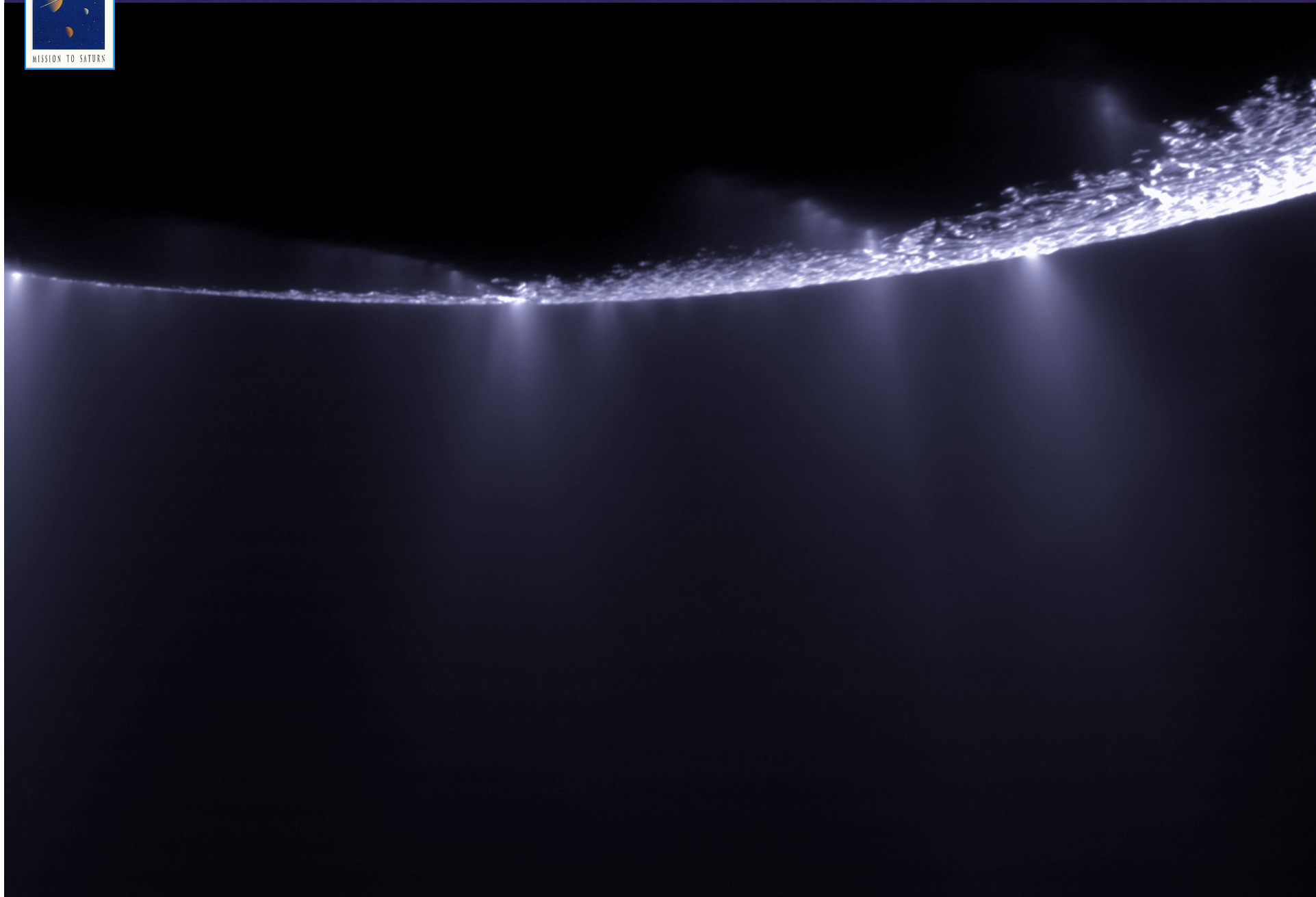
Titan's North Polar Lakes and Seas
as revealed by the Cassini Titan RADAR Mapper

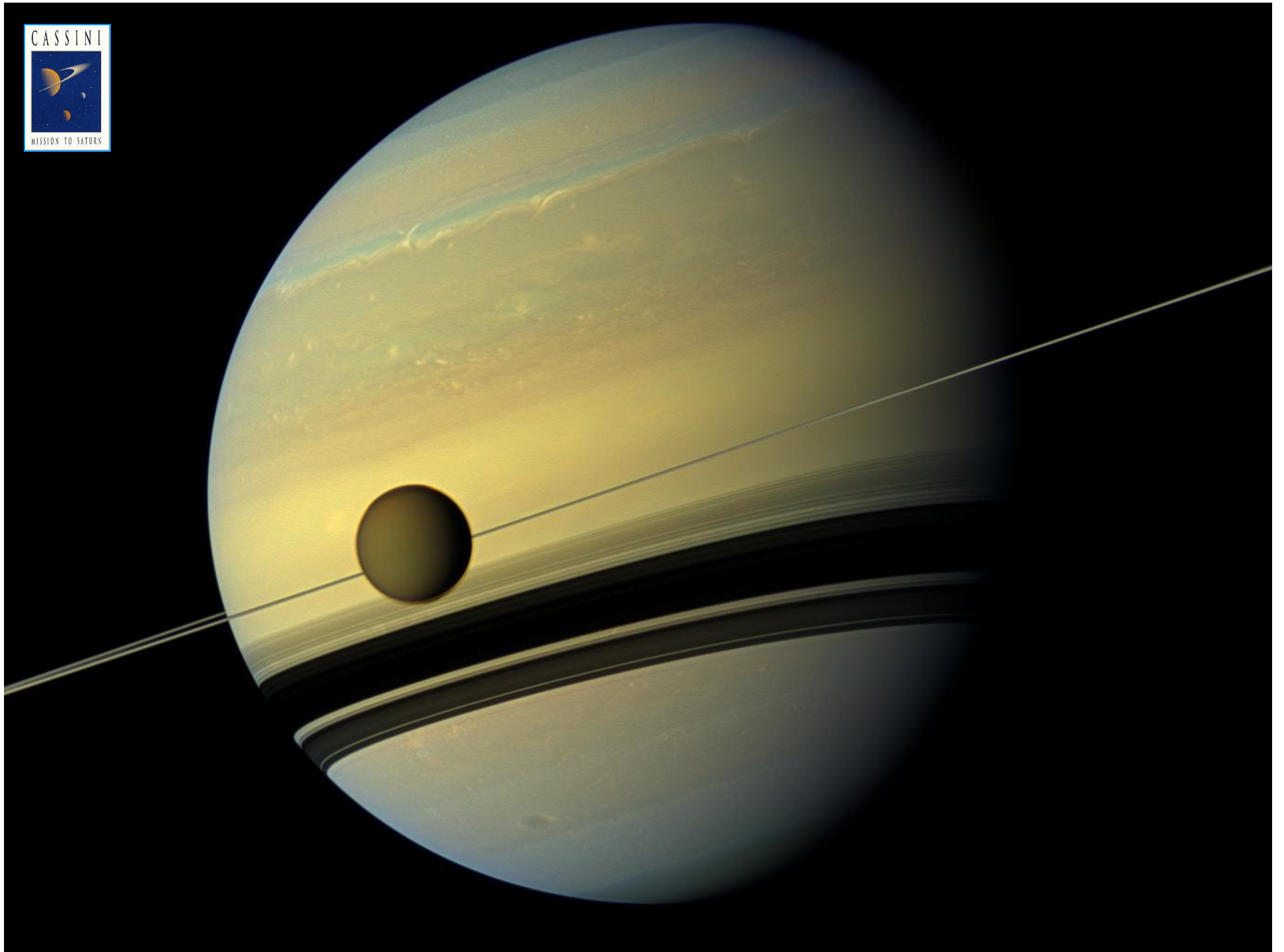
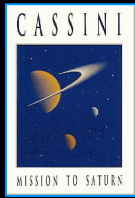
Titan North Pole: Seas and Lakes of Methane and Ethane





Enceladus



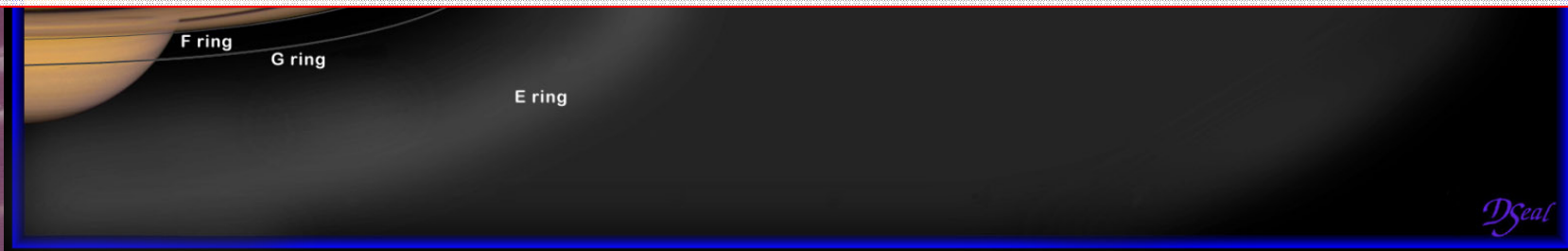


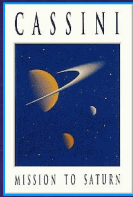
The Saturn System after Cassini

Saturn's Satellites and Ring Structure



Before Cassini arrival 18 moons were known, today 52 moons have a name : [Aegir](#), [Albiorix](#), [Anthe](#), [Atlas](#), [Bebhionn](#), [Bergelmir](#), [Bestla](#), [Calypso](#), [Daphnis](#), [Dione](#), [Enceladus](#), [Epimetheus](#), [Erriapus](#), [Farbauti](#), [Fenrir](#), [Fornjot](#), [Greip](#), [Hati](#), [Helene](#), [Hyperion](#), [Hyrokkin](#), [Iapetus](#), [Ijiraq](#), [Janus](#), [Jarnsaxa](#), [Kari](#), [Kiviuk](#), [Loge](#), [Methone](#), [Mimas](#), [Mundilfari](#), [Narvi](#), [Paaliaq](#), [Pallene](#), [Pan](#), [Pandora](#), [Phoebe](#), [Polydeuces](#), [Prometheus](#), [Rhea](#), [Siarnaq](#), [Skadi](#), [Skoll](#), [Surtur](#), [Suttung](#), [Tarqeq](#), [Tarvos](#), [Telesto](#), [Tethys](#), [Thrym](#), [Titan](#) and [Ymir](#).

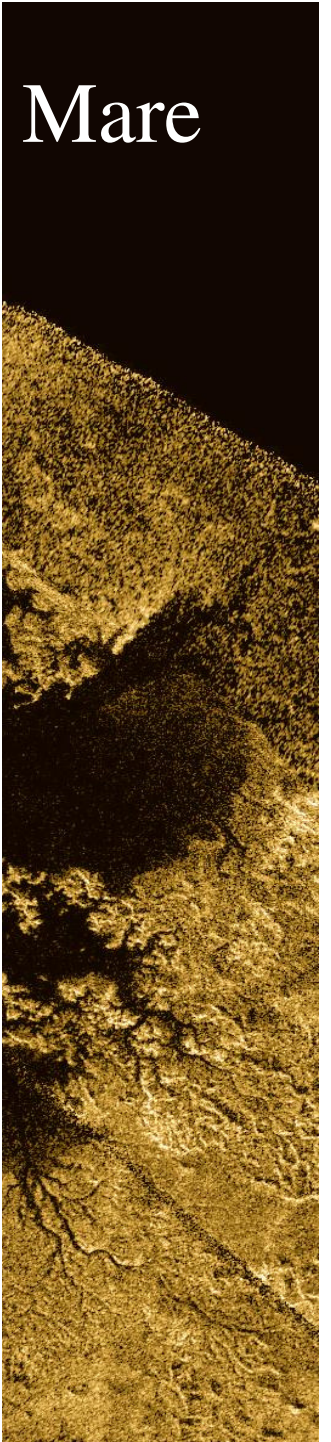
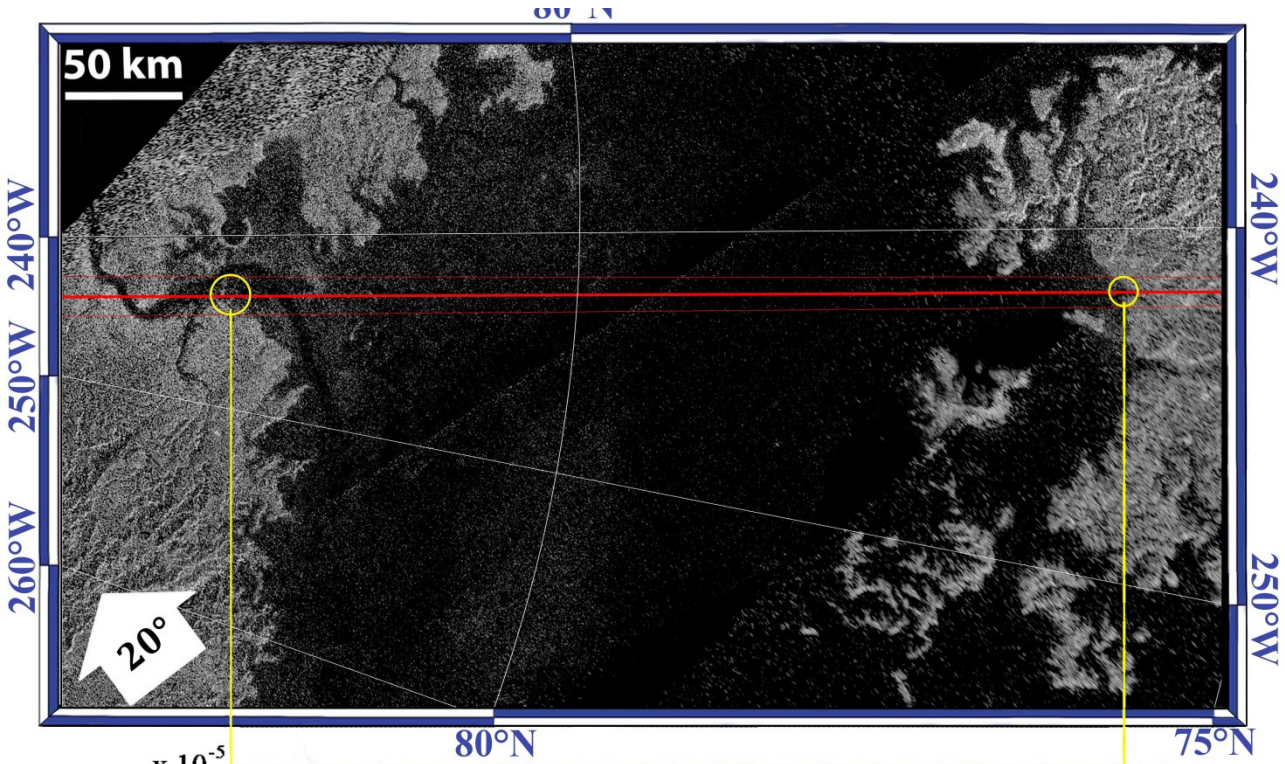
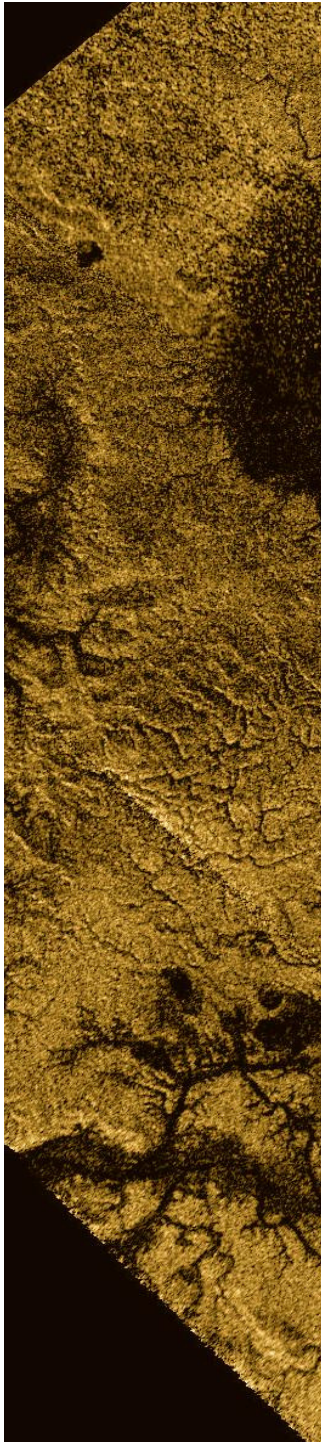




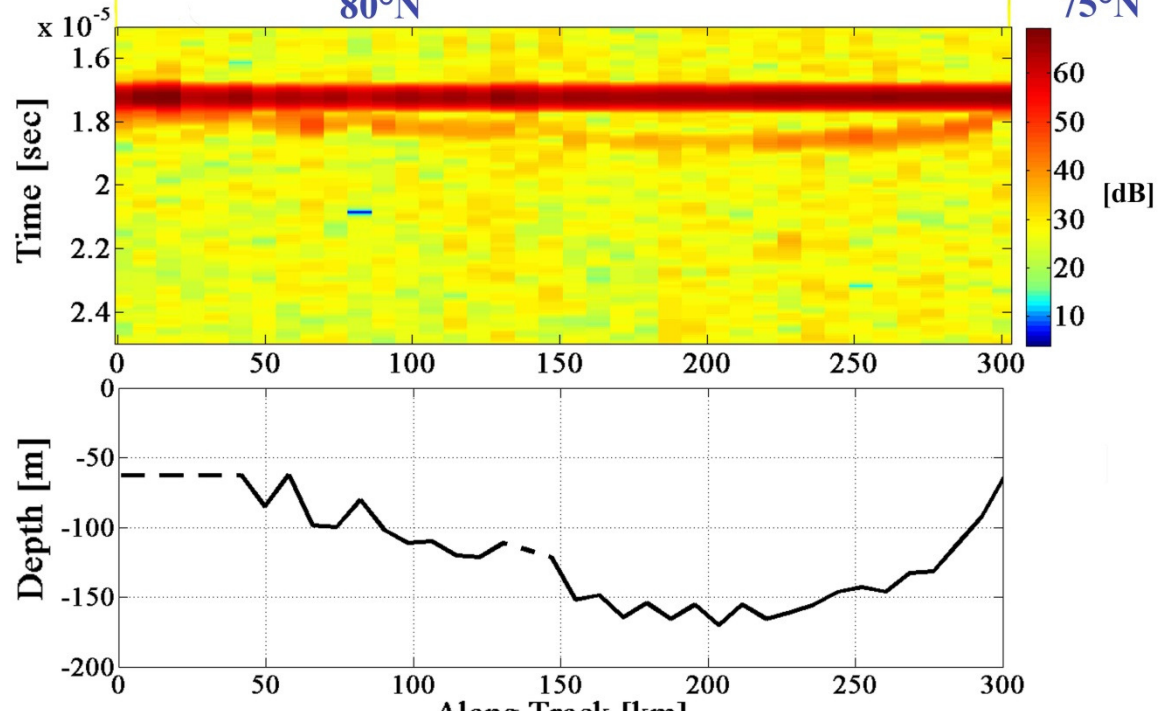
2004-2014: 10 years, 2 seasons

A large graphic of Saturn and its rings, with the planet's surface and rings rendered in shades of brown and grey. A bright light source is visible on the left, creating a lens flare effect. The text "CASSINI SOLSTICE 2017" is overlaid on the image in a white, sans-serif font.

CASSINI
SOLSTICE
2017



Mare



We are here

