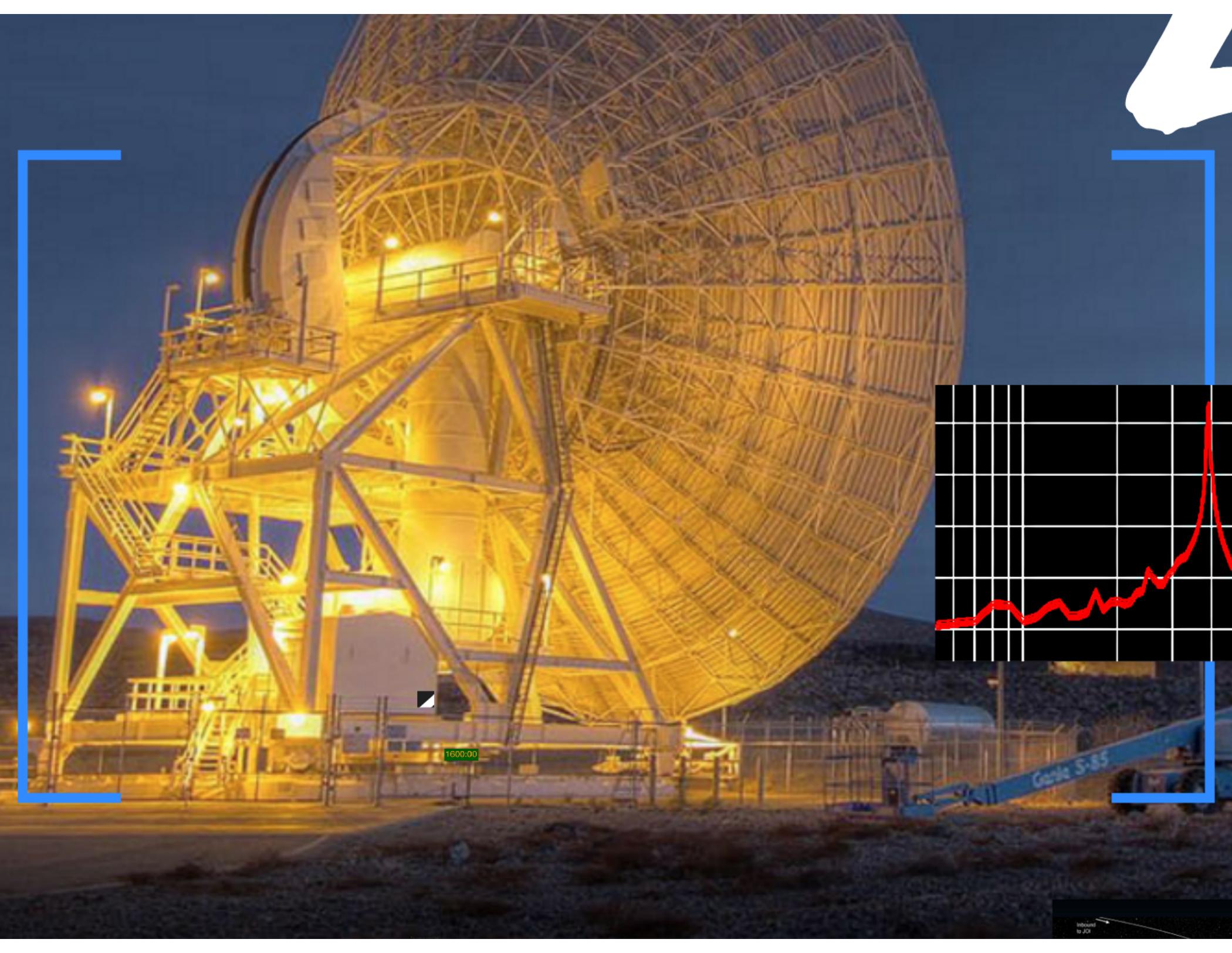


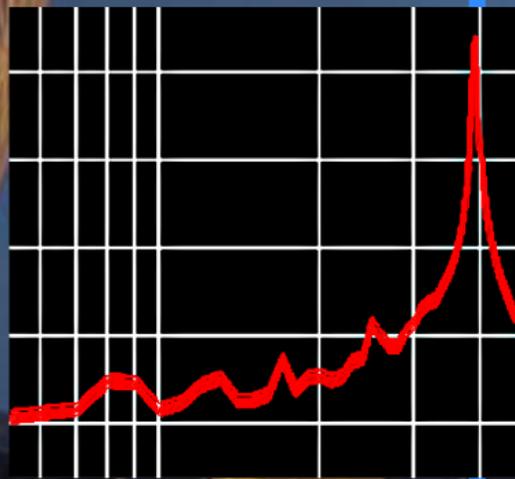
The View from Mission Control

<http://tiny.cc/ddview2017>





4



1600:00

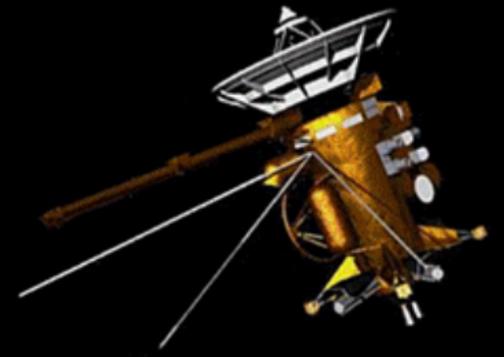
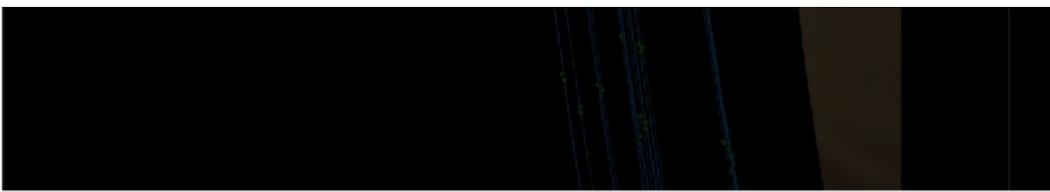
Cable 5-85

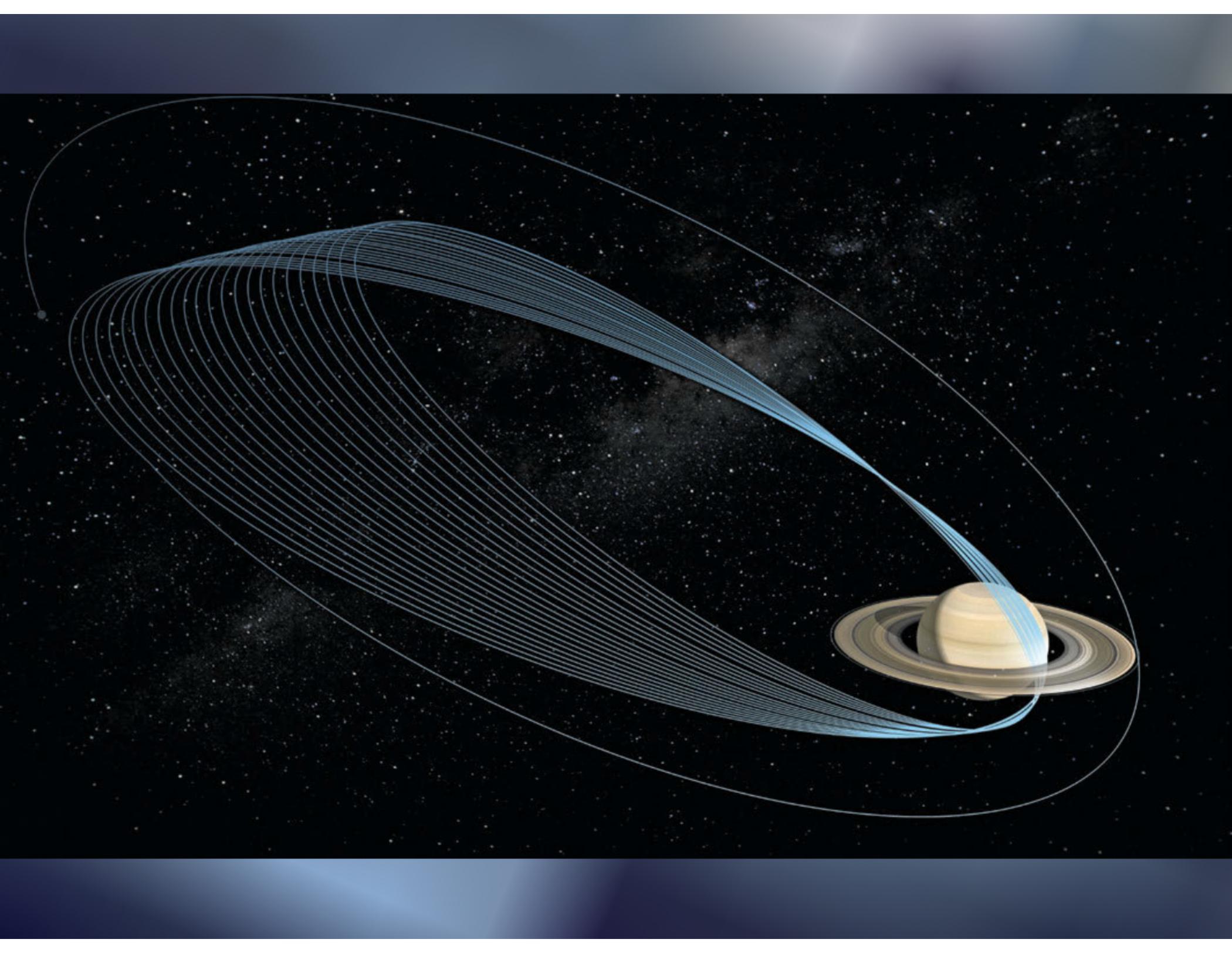
Welcome to JCI

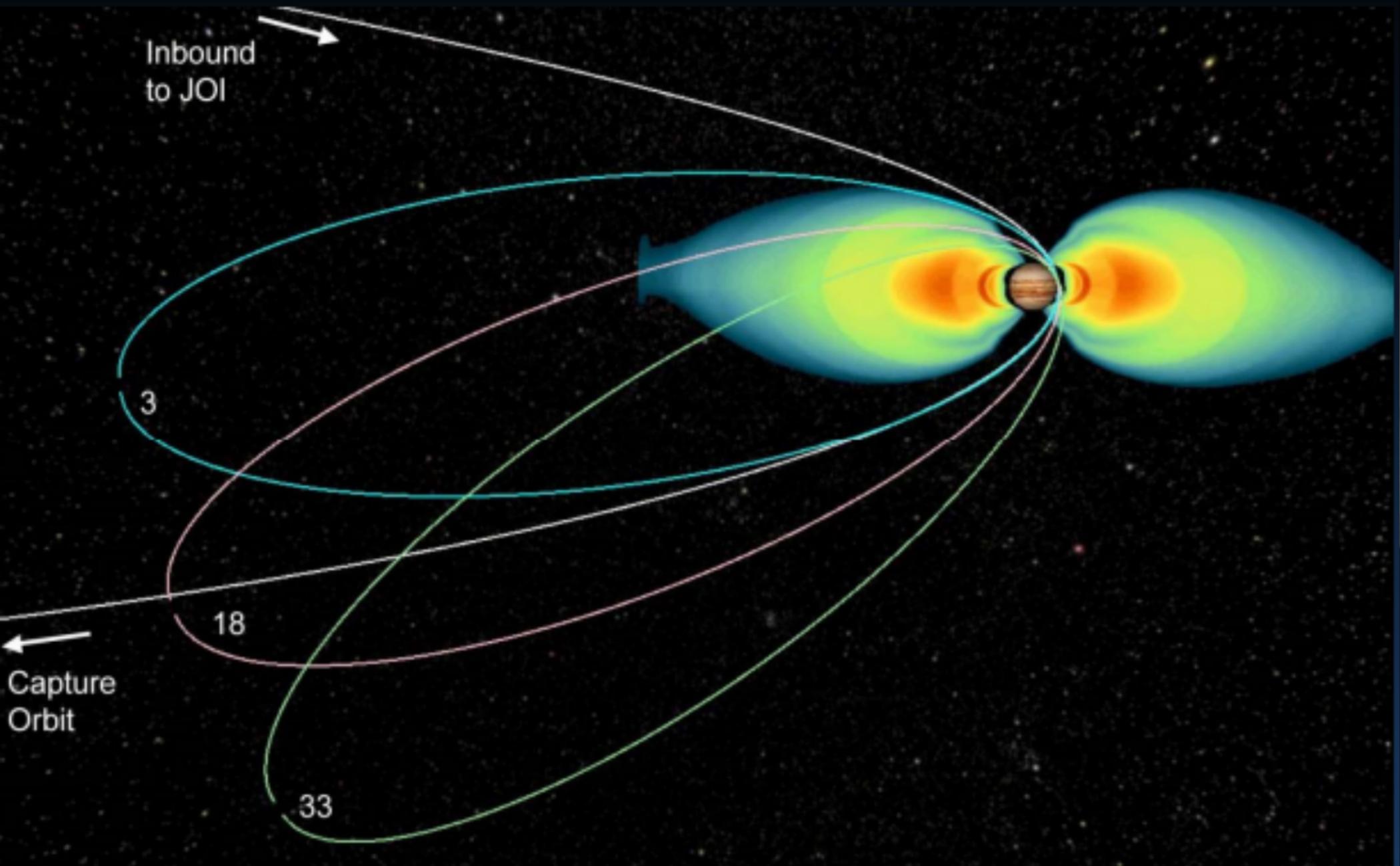


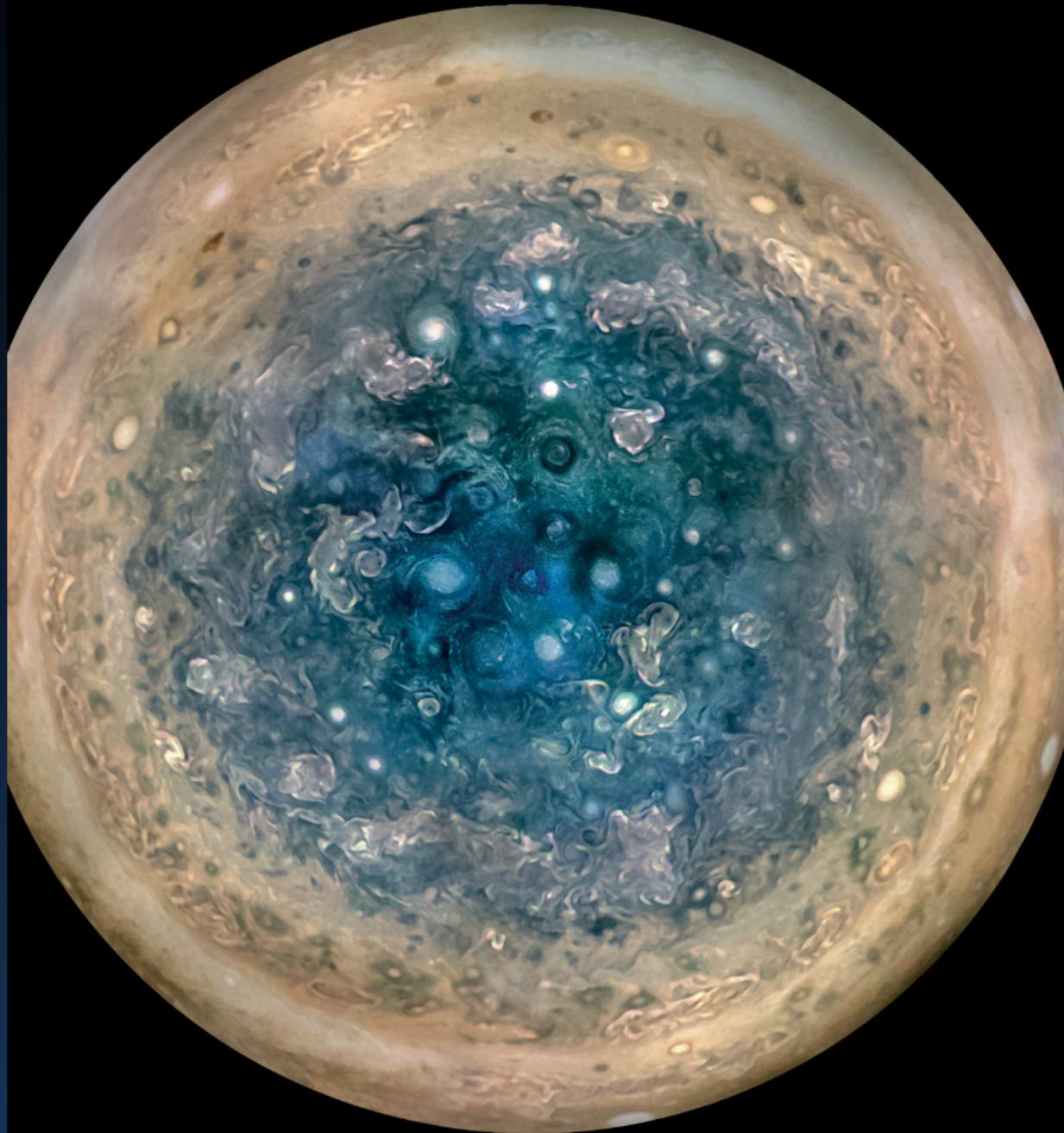
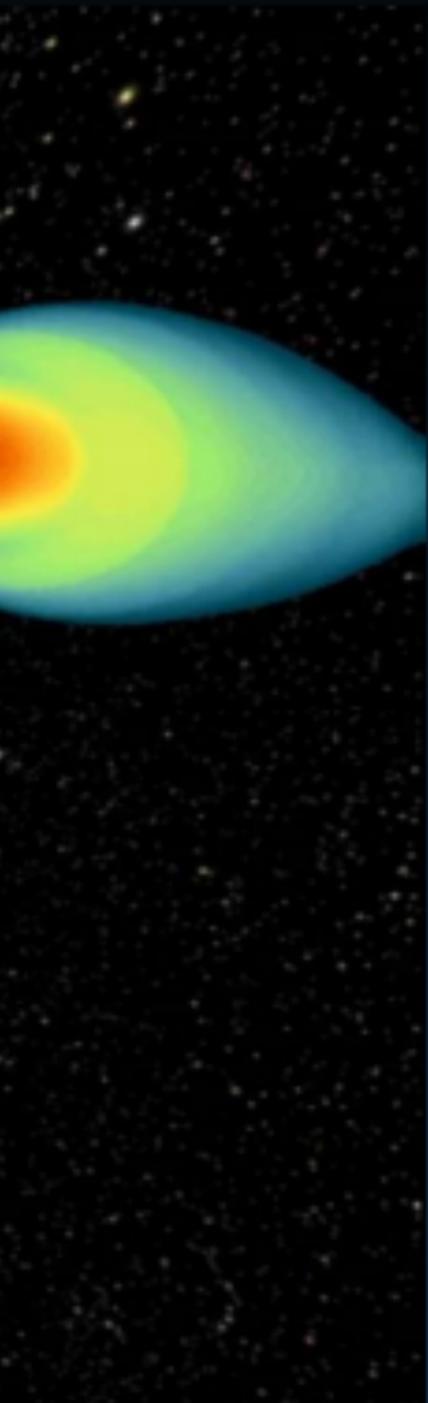
Image from Wikipedia.

16000:000









4.4. PRO

Figure 4.7
propulsion
lines have

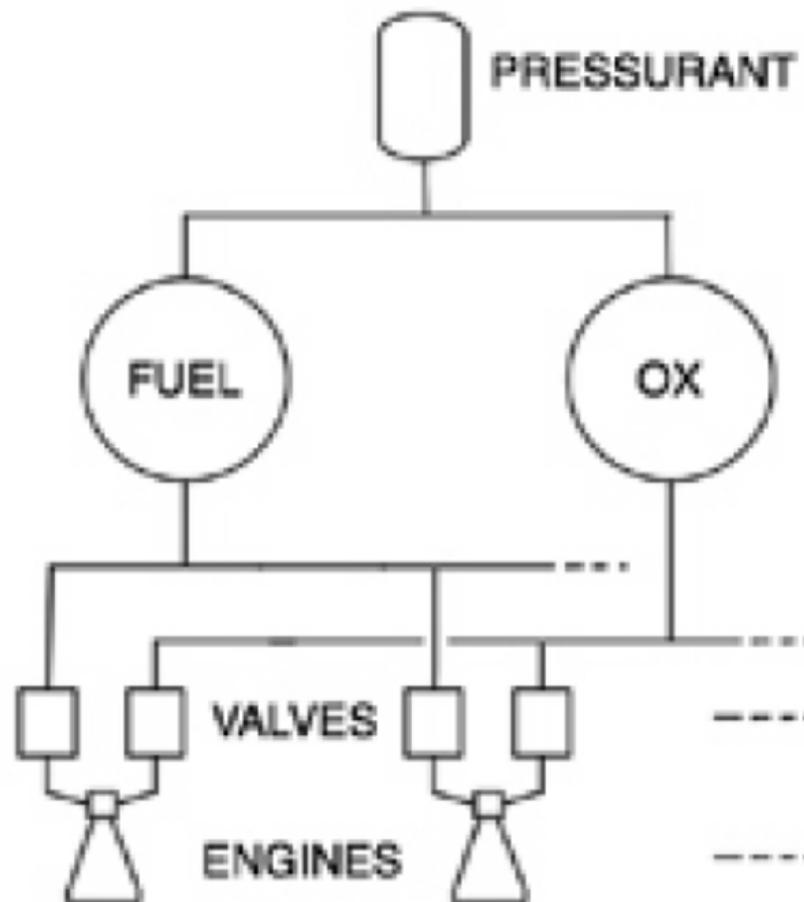


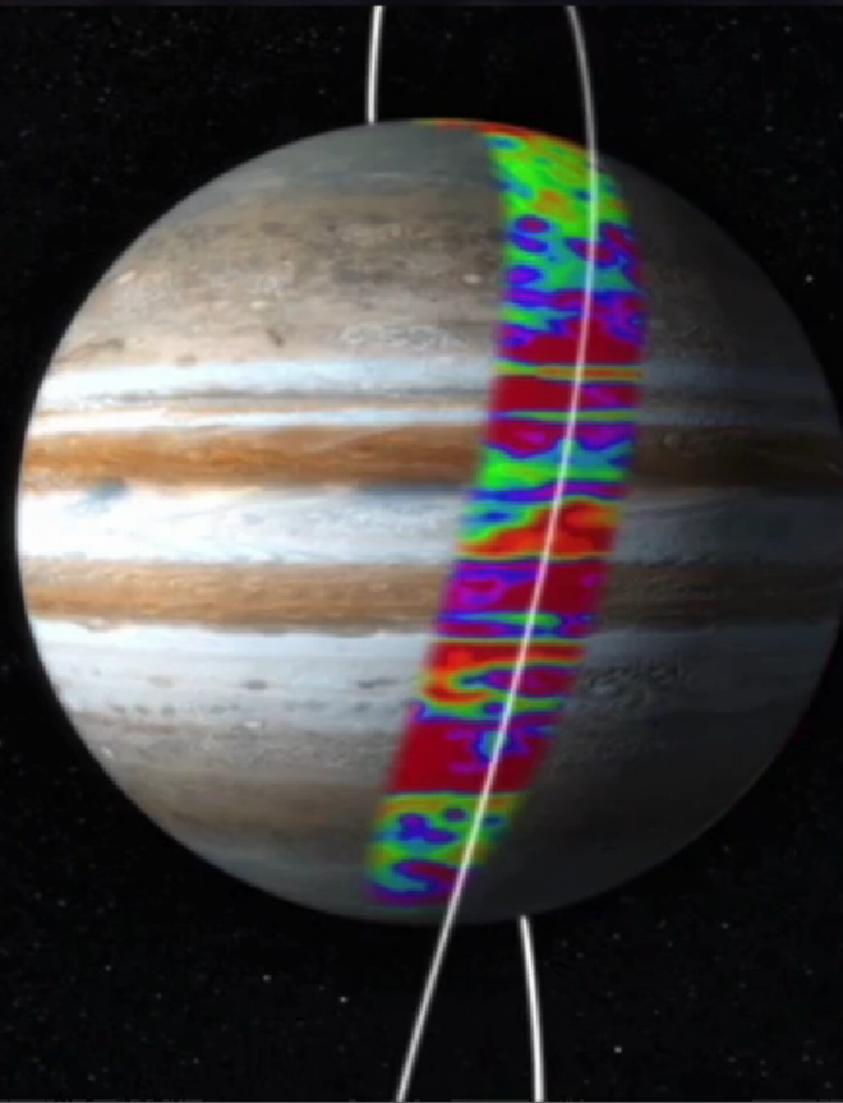
Figure 4.7: A simplified schematic for a pressure-fed bipropellant spacecraft propulsion system. Many components along the pressurization and propellant lines have been left out for clarity.

GRAVITY SCIENCE

Gravity Science

Bill Folkner explains how understanding Jupiter's inner structure depends on very precisely mapping the planet's gravitational field.

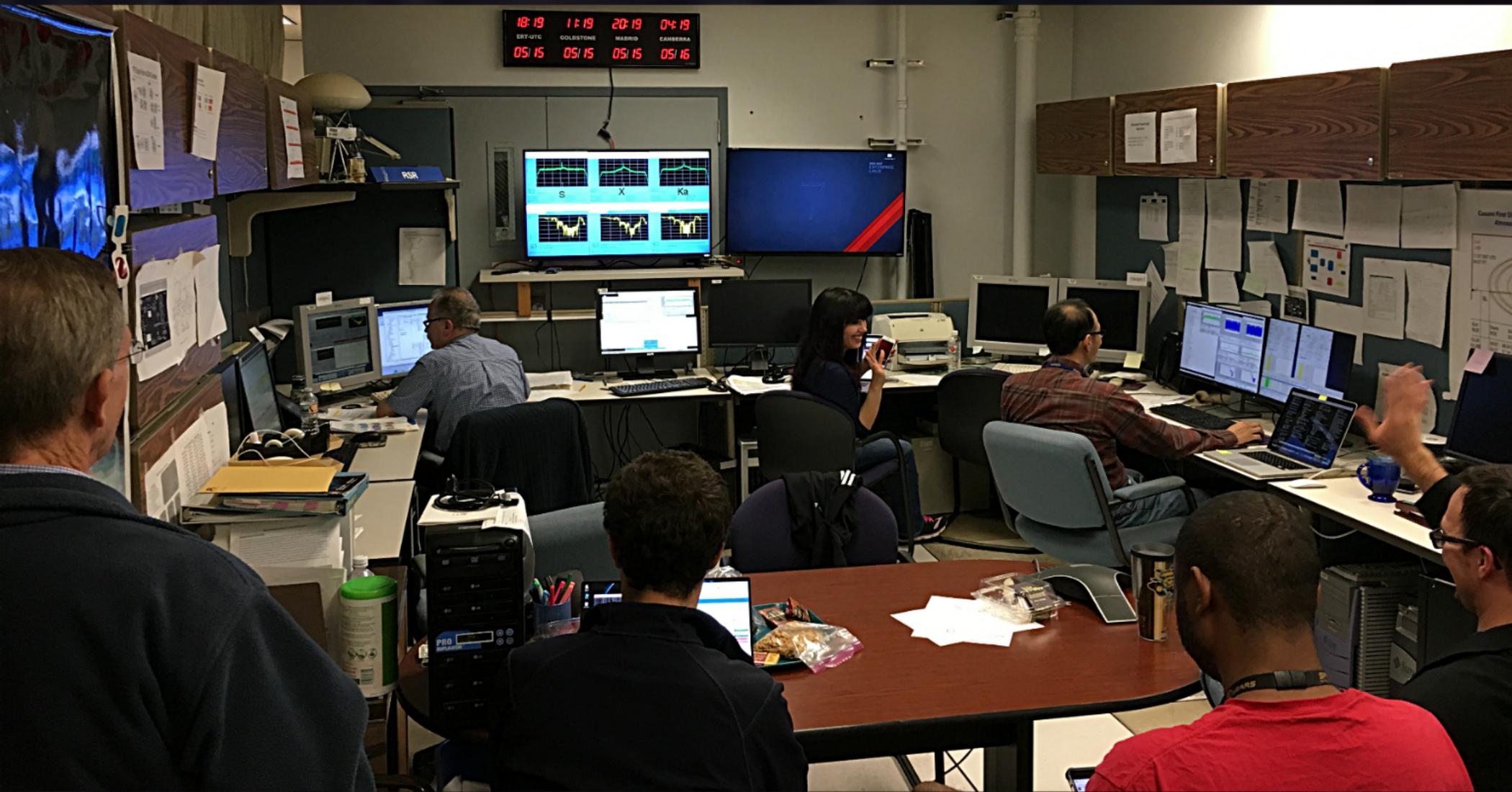
Credit : NASA/JPL/SwRI



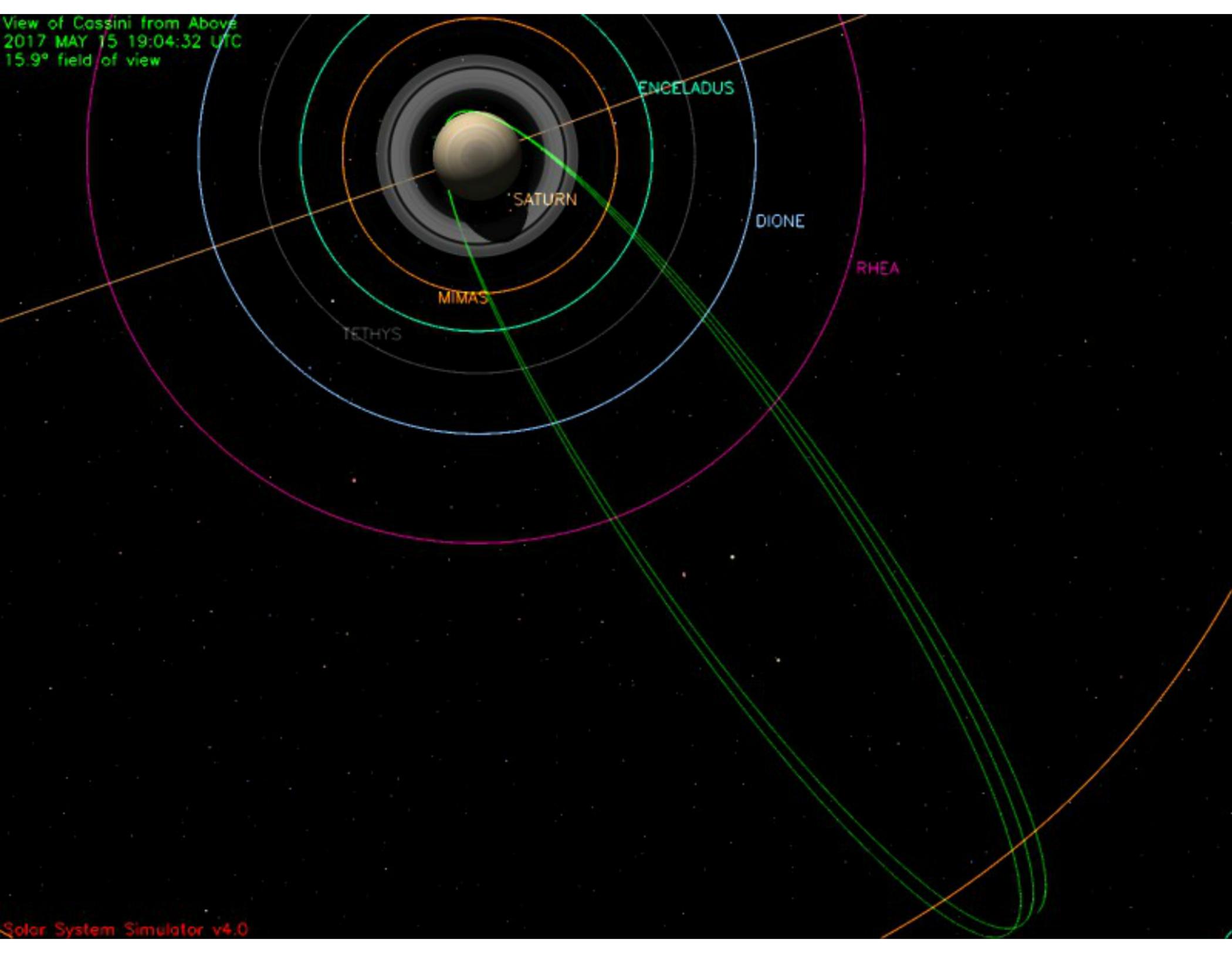
Microwave Radiometer (MWR)

Mike Janssen discusses Juno's microwave radiometer, which will measure radio waves from Jupiter's deep atmosphere that tell us how much water is there and how material is moving far below the cloud tops.

Credit : NASA/JPL/SwRI



View of Cassini from Above
2017 MAY 15 19:04:32 UTC
15.9° field of view



ENCELADUS

SATURN

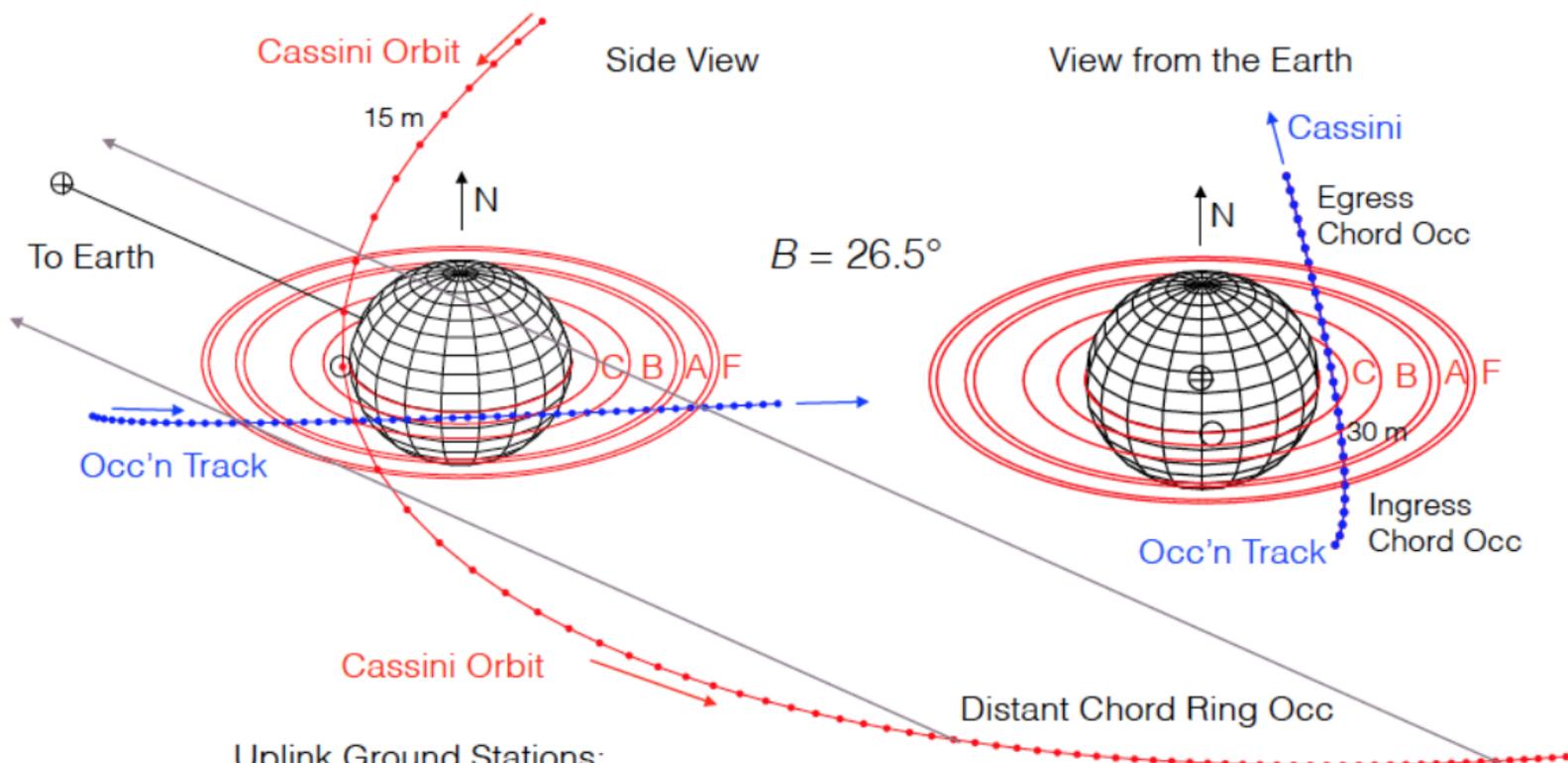
DIONE

RHEA

MIMAS

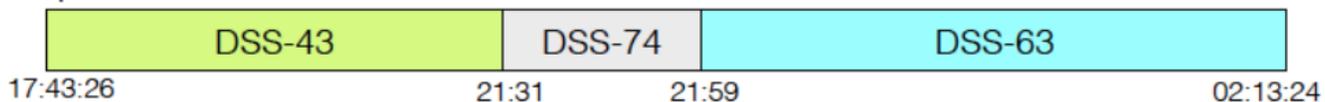
TETHYS

Cassini Grand Finale: Rev 276 RSS Chord Ring Occultation May 28-29, 2017 (DOY 148-149)

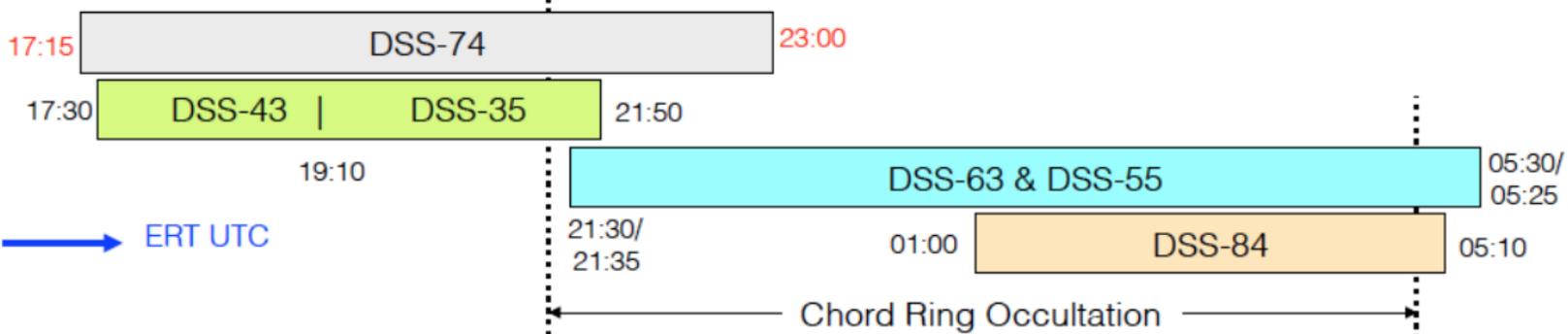


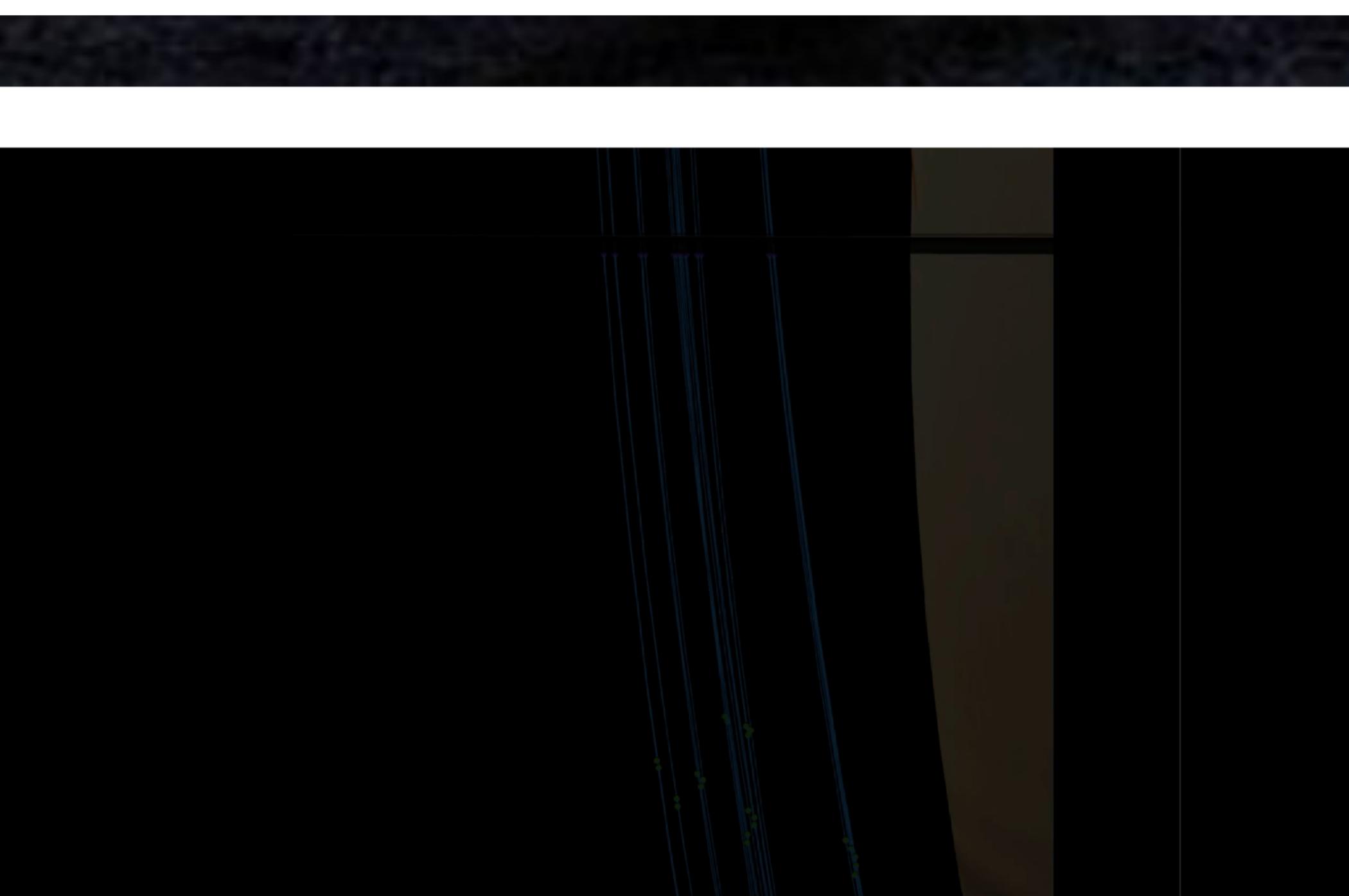
	ERT UTC
Ingress Chord Occ	
F	20:54:02
A-in	21:01:31
A-out	21:33:48
B-in	21:43:52
B-out	22:44:17
C-out	23:38:26
Egress Chord Occ	
C-In	01:33:10
C-Out	02:26:55
B-Out	03:26:06
A-in	03:35:48
A-out	04:06:32
F	04:13:32

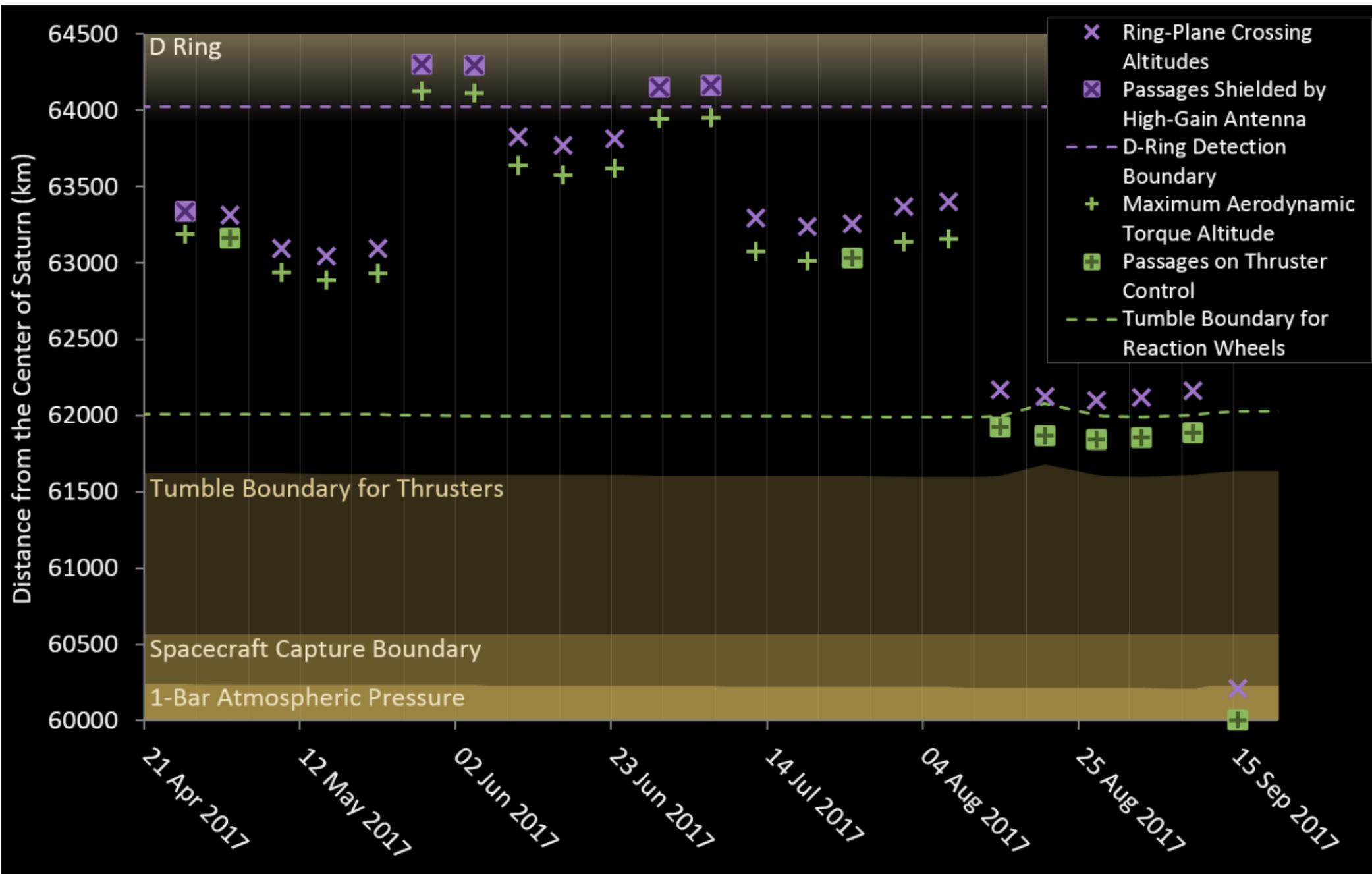
Uplink Ground Stations:



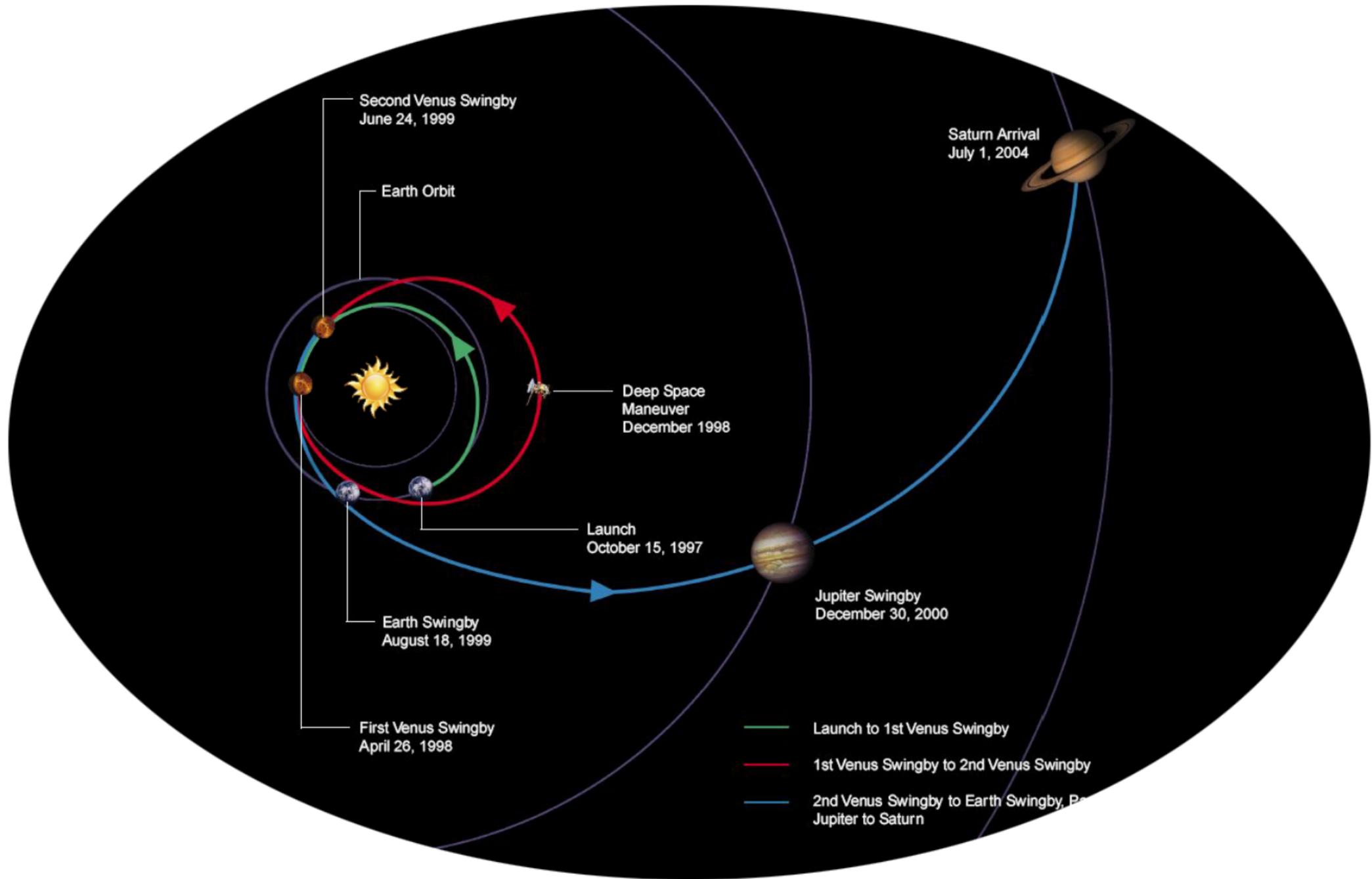
Downlink Ground Stations











Second Venus Swingby
June 24, 1999

Earth Orbit

Saturn Arrival
July 1, 2004

Deep Space
Maneuver
December 1998

Launch
October 15, 1997

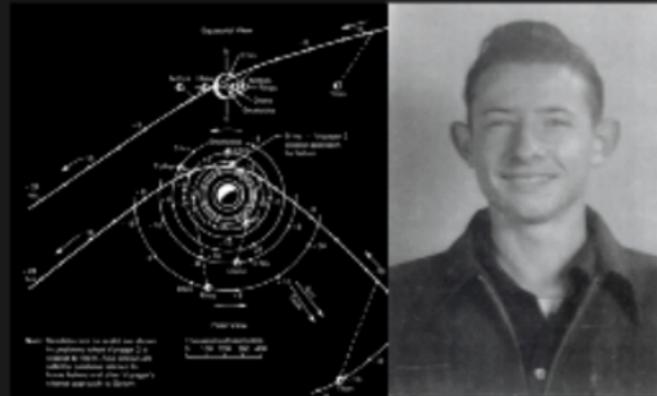
Jupiter Swingby
December 30, 2000

Earth Swingby
August 18, 1999

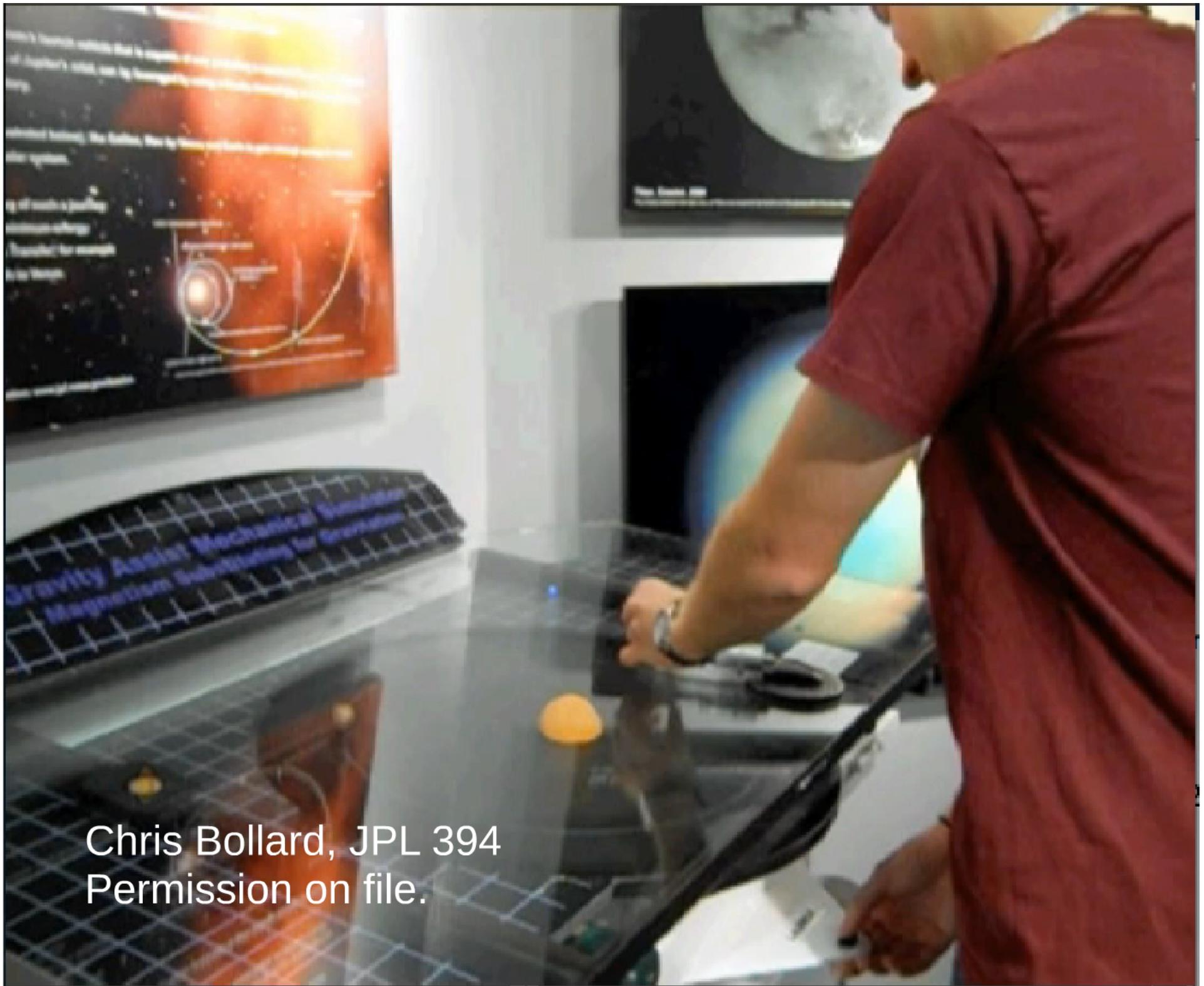
First Venus Swingby
April 26, 1998

- Launch to 1st Venus Swingby
- 1st Venus Swingby to 2nd Venus Swingby
- 2nd Venus Swingby to Earth Swingby, Earth Swingby to Jupiter to Saturn

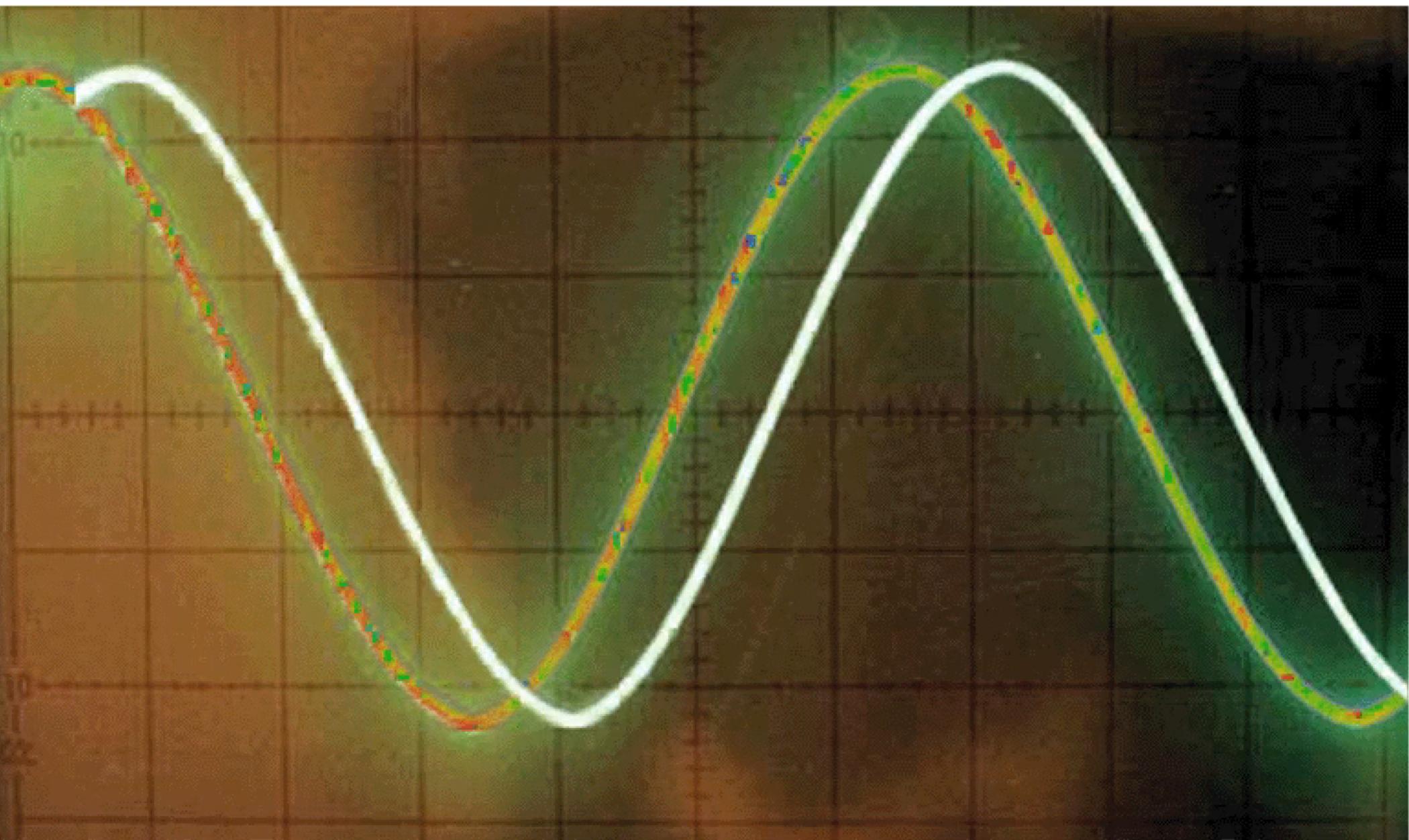
Mike Minovitch 1936 - JPL Summer Student 1961



Cassini:
22 km/s Cruise
90 km/s Tour

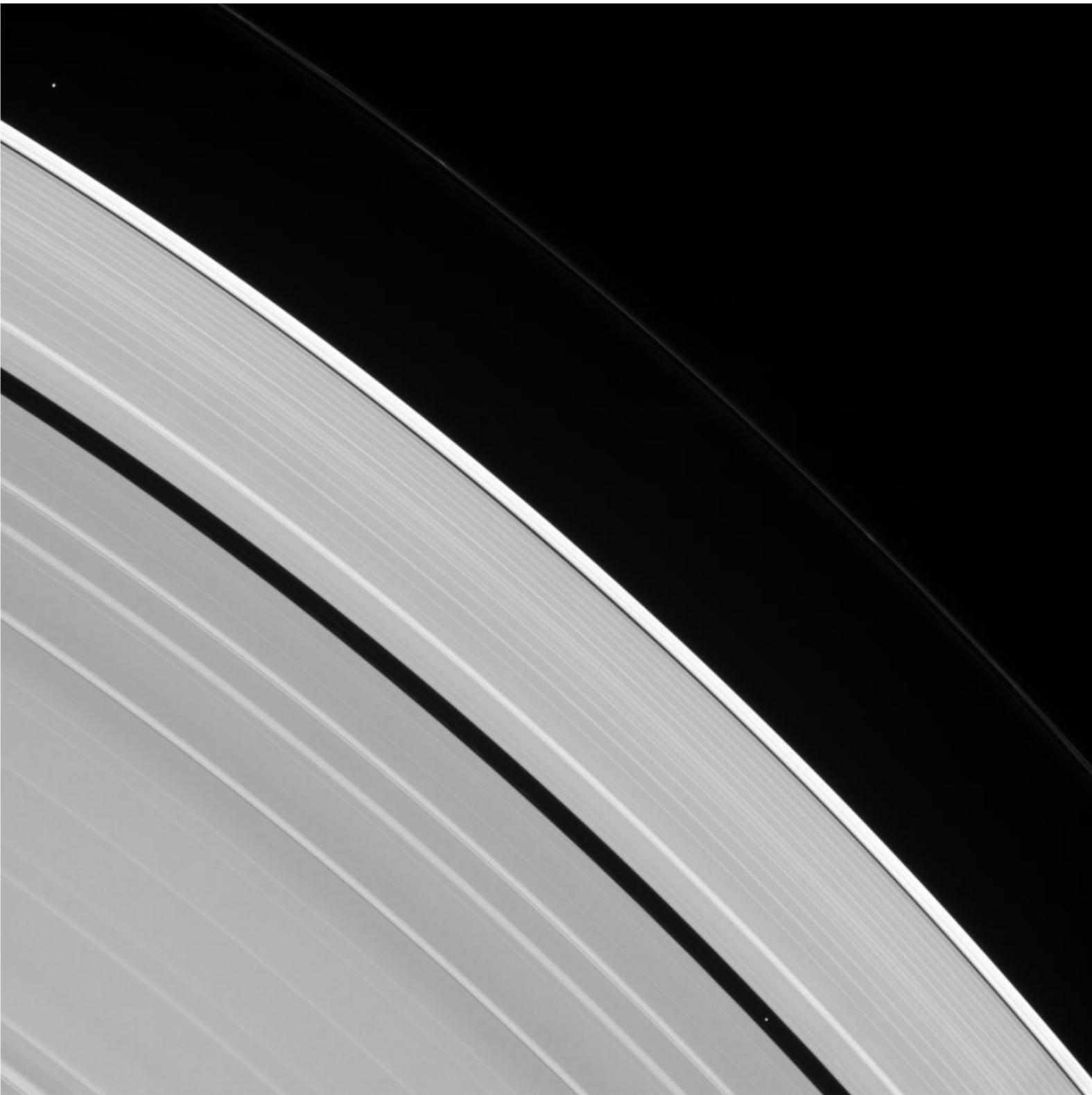


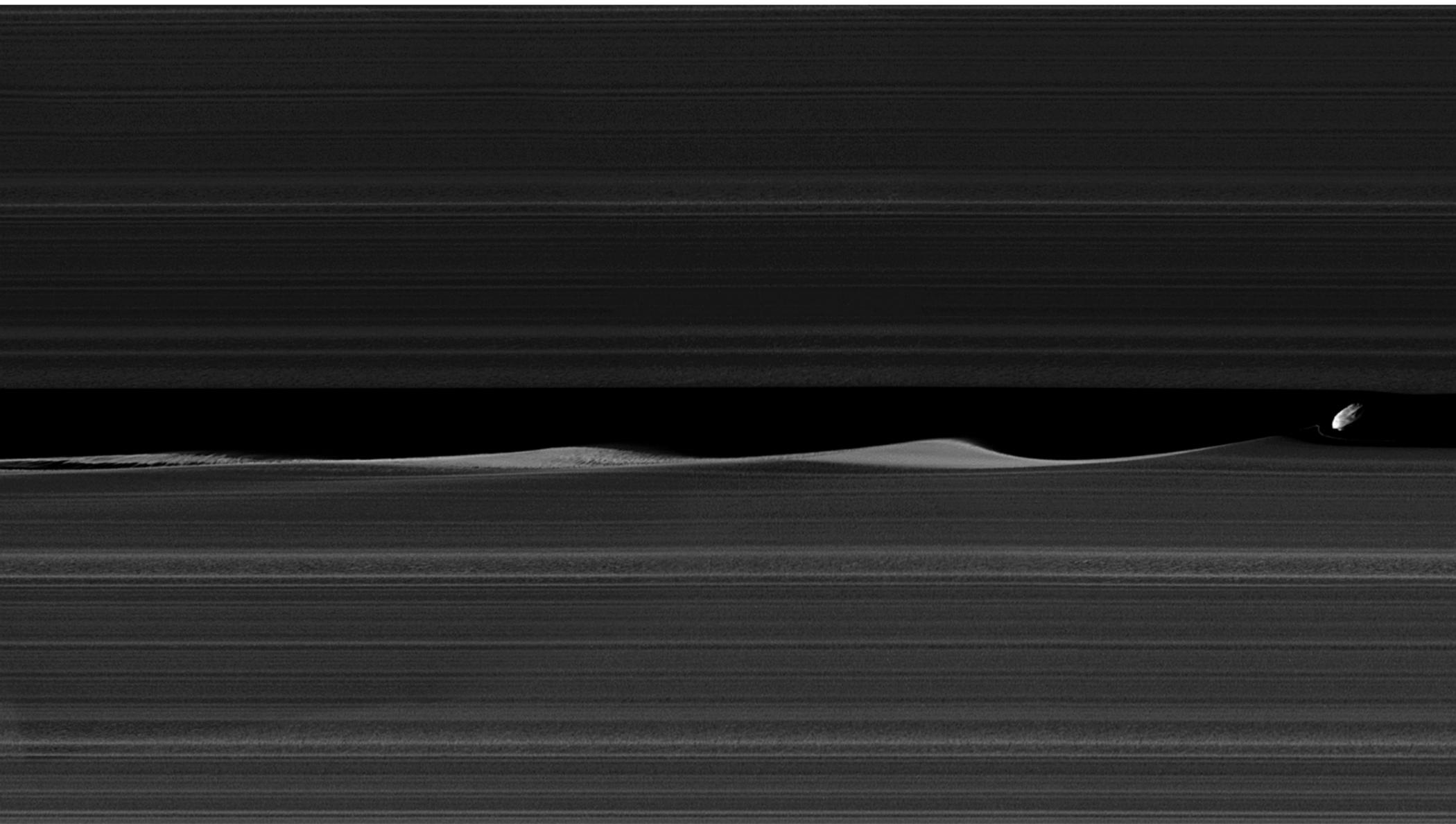
Chris Bollard, JPL 394
Permission on file.

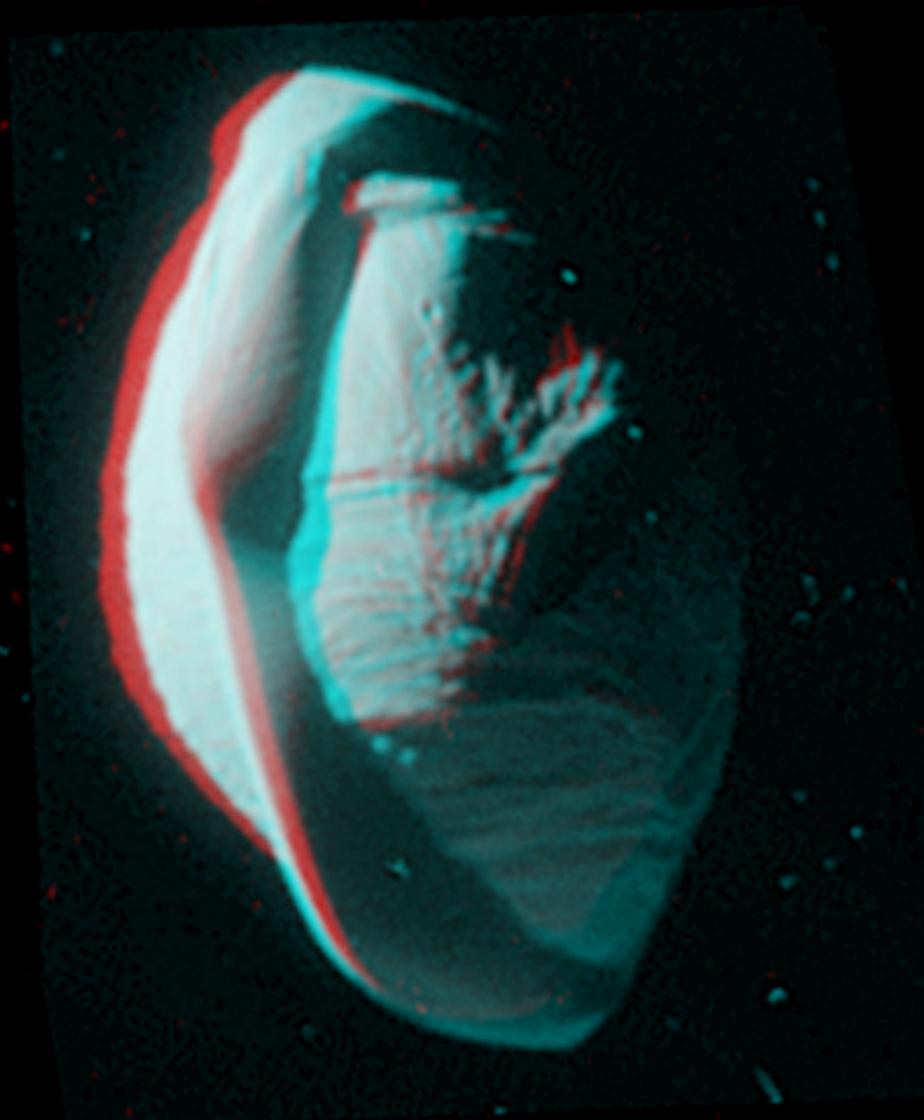
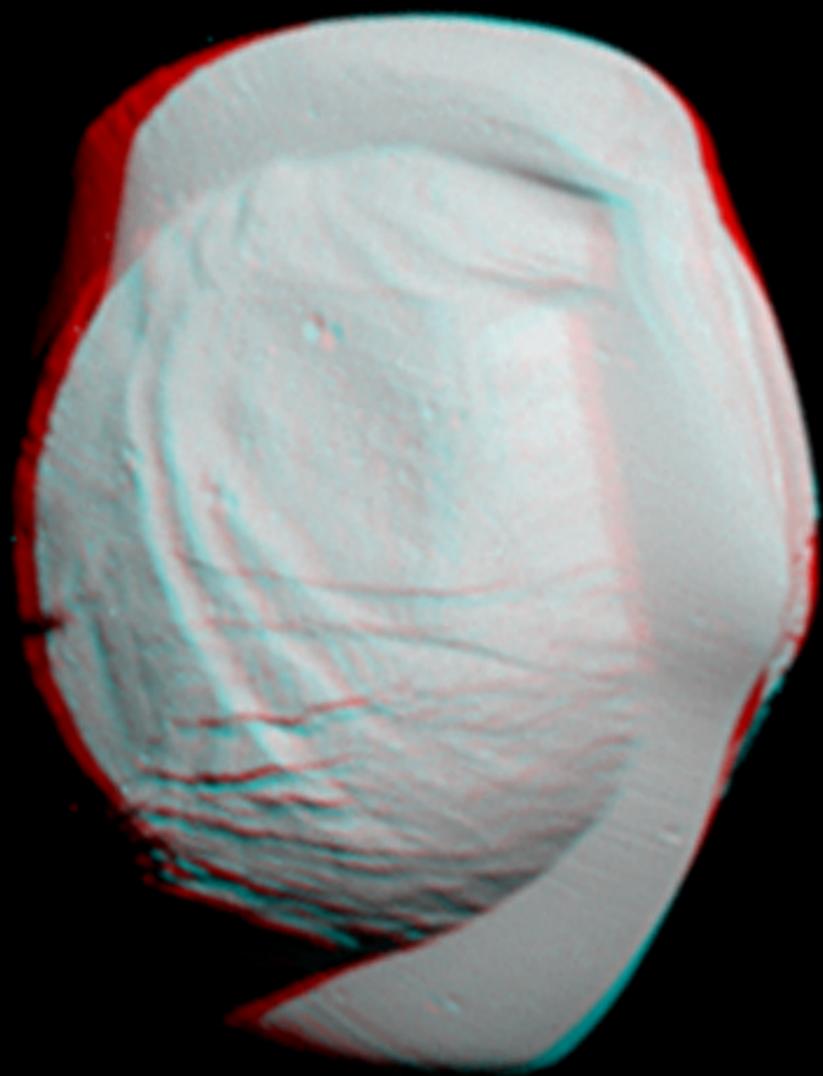




Goldstone Hydrogen Maser
image courtesy Smithsonian Institution
www.si.edu/Termsofuse









You Tube