

GALILEO AT JUP17'HR : STATUS AND OVERVIEW

V. Johnson (Jet Propulsion Laboratory, Caltech, Pasadena, CA, USA)

The Galileo Orbiter spacecraft has been in Jupiter orbit since 7 December, 1995. During its continuing orbital tour Galileo is sending back a continuous stream of data about Jupiter, its magnetosphere and the Galilean satellites. Results to date include the discovery of a dense, cold high altitude plasma and strong field aligned current systems at 10, a dense core for 10, a dense core for Ganymede coupled with a magnetic field which creates a magnetosphere around this icy moon, evidence for tectonic resurfacing of portions of Ganymede, unexpected mass wasting on Callisto, and measurements of aurora on Jupiter and Io's patchy tenuous atmosphere. The current status of the mission and plans for the final portion of the nominal mission and possible extended operations will be discussed.

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Submitt al information

1. Torrence V. Johnson
Jet. Propulsion Laboratory
MS 183-501
4800 Oak Grove Drive
Pasadena, CA
91109
USA
Tel: 818 - 393 7957
FAX: 818 - 354 6256
E-mail: tjohnson@jpltvj.jpl.nasa.gov
2. Jupiter and its satellites
3. Dr. Gehrard Neukum
(author)
4. video projection (VHS or PAL) desired if possible
5. Oral