GALILEO EXPLORES THE GALILEAN SATELLITES

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The Galileo mission explored the entire Jupiter system from Dec. 1995 to Sept. 2003. On 33 of its 34 orbits, the spacecraft was targeted for a close pass of one of the Galilean satellites. New discoveries about these fascinating worlds including finding an intrinsic magnetic field at Ganymede, high temperature volcanism on Io, and evidence for subsurface oceans on the three icy satellites, Europa, Ganymede and Callisto. The paper will present an overview of results from the Galilean satellite system and review the latest results.