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**PERFORMING THE GALILEO JUPITER MISSION WITH THE LOW GAIN
ANTENNA (LGA)**

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Galileo is now nearly one year along its three-year direct Earth-to-Jupiter transfer trajectory following its final interplanetary gravity assist from Earth on December 8, 1992. Except for its High Gain Antenna (HGA), Galileo is performing beautifully. There is no longer any significant prospect of deploying the HGA. New flight software and ground software and hardware are being developed to achieve the majority of Galileo's objectives using only its Low Gain Antenna (LGA). At least 70% of the objectives can be achieved including 100% of the Atmospheric Entry Probe Mission and the return of thousands of the highest resolution Galilean satellite images ever planned for the Orbiter Mission. The implementation of the enabling capabilities and Mission Plan are described. Also, the results of the second Earth/Moon encounter and the second asteroid (Ida) encounter are summarized.