

Europa Orbiter: Searching for an Ocean

DRAFT

COSPAR 2000

Warsaw, Poland July 17-22, 2000

T. V. Johnson

Jet Propulsion Laboratory, California Institute of
Technology, Pasadena, CA

Europa Orbiter: Background

- Current state of Europa Exploration
- Recommendations by CSWG and COMPLEX
- Scientific Objective – NASA AO

Europa Orbiter: Investigations

- NASA Selected Investigations

Europa Orbiter: Mission

- Preliminary mission plan
- Trajectory to Jupiter
- Tour
- “End Game”
- Orbit of Europa

Europa Orbiter: Current Status

- Engineering Challenges
 - Mass
 - Radiation – comparison with Galileo
- Schedule