

Geophysical Research Abstracts,
Vol. 10, EGU2008-A-08944, 2008
SRef-ID: 1607-7962/gra/EGU2008-A-08944
EGU General Assembly 2008
© Author(s) 2008



***In Situ* Exploration of Titan: Lessons Learned From Huygens**

J.-P. Lebreton

Research and Scientific Support Department, ESA-ESTEC, Keplerlaan 1, 2200 AG Noordwijk, The Netherlands

The Huygens Probe, which descended in the atmosphere of Titan under parachute during 2 1/2 hours on 14 January 2005, provided us with a wealth of *in situ* measurements. After a safe landing, it continued to operate flawlessly on the surface for more than 3 hours. The main achievements of Huygens will be reviewed with emphasis on lessons to be learned for designing *in situ* exploration elements for future missions to Titan.