Geophysical Research Abstracts, Vol. 7, 09998, 2005
SRef-ID: 1607-7962/gra/EGU05-A-09998

Electronic and ionic conductivity along the atmosphere of Titan as measured by the Relaxation Probe of HASI

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The Relaxation Probe (PR) is an instrument that forms part of the PWA subsystem of the HASI instrument. It has been designed to measure the conductivity of planetary atmospheres. After de successful descent of Huygens through the Titan´s atmosphere, we present the first data extracted from the measurements taken by the RP from an altitude of 140 down to about 40 km in the Titan´s atmosphere. A high concentration of electrons at an altitude around 60 km is clearly detected.