



ROMAP Magnetic Field Measurements in the Surface Boundary Layer of the Nucleus of 67P/Churyumov-Gerasimenko

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The ROMAP magnetometer of the ROSETTA lander PHILAE made unprecedented measurements of the magnetic field at and very close to the surface of the nucleus of comet 67P/Churyumov-Gerasimenko. The magnetic field in this boundary layer is mainly controlled by the interaction of the cometary plasma in the inner coma of 67P/C-G with the cometary surface. We will present high-resolution measurements of the magnetic field properties in this region and provide first insight into the structure of this innermost region of the interaction region of the solar wind plasma with a cometary nucleus.