



## **Short time-scale variations in the ion environment around 67P**

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The ion environment around the 67P/Churyumov-Gerasimenko is highly varying. To be able to study this a new measurement mode was implemented for the Ion Composition Analyzer (ICA), which is part of the Rosetta Plasma Consortium (RPC). In this mode RPC-ICA observes ions in a plane (2D) with a resolution of 1 s or 4 s. We present measurements made with this mode and discuss how the short time-scale variations depend on, for example, spacecraft potential, distance to the comet and magnetic field direction.