



The properties of interior of P/67 C-G as measured by Consert.

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The objective of CONSERT experiment on board the ROSETTA mission is to provide information about the deep interior of the comet. CONSERT is a bi-static radar, that transmits an electromagnetic signal between the lander and the orbiter. The transmitted signal was measured as a function of time and as a function of the relative position of the orbiter and the lander during the first observation period on 12/11/2014.

The CONSERT measurements permit us to determine the dielectric properties of the cometary interiors. We show the variability of the dielectric values inside the comet. The dielectric measurements are connected to the porosity, composition and density of the interior. We discuss the results, their accuracy that depends on the actual position of the lander on the comet.