

## In-situ laboratory dust observations next to 67P

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In-situ cometary dust observations were obtained by COSIMA (COmetary Secondary Ion Mass Analyser) which was one of the scientific instruments onboard the ESA mission Rosetta that orbited the nucleus of Jupiter-family comet 67P/Churyumov-Gerasimenko. COSIMA collected cometary dust particles in the inner coma by their impact on metal target plates. These cometary particles were subsequently imaged and identified with an optical microscope and their composition was analyzed with a secondary ion mass spectrometer. We will discuss the most interesting observations of these inner coma dust particles and their impact on the present view of the early solar system and cometary matter.