

# Heterogeneity of Dust Particles of 67P/Churyumov–Gerasimenko

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## Abstract

Between August 2014 and September 2016, the dust analysis instrument COSIMA onboard Rosetta collected more than 1200 cometary particles in the size range of 14  $\mu\text{m}$  to more than 1 mm. The dust particles were imaged with an optical microscope and their compositions were analysed by a high resolution secondary ion time-of-flight mass spectrometer [1-7]. We will report on the heterogeneity of cometary dust particle morphologies and their composition in view of the present comet formation models.

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