
Status and scientific goals of sample return missions

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Abstract

Samples returned from spatial mission are great opportunities to analyze in the laboratory samples with a known origin. These analyses are complemented by data obtained from samples collected on Earth, for which the parent body can only be guessed (meteorites and cosmic dust), by data collected from spatial in situ mission, by astronomical observations, and by laboratory experimental data, which are also necessary for the interpretation of the analyses and observations. The complementary of these different approaches will be presented in the context of Solar System science.

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