

Hayabusa2 - What will the samples from asteroid Ryugu tell us?

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How did the solar system come into being, and how did the Earth and other planets form? How did the Earth become covered with oceans and support life? JAXA's Hayabusa2 mission was a journey to the asteroid Ryugu to find the key to answering these questions. It is believed that small celestial bodies record the origin and early evolution of the Solar System.

Hayabusa2 successfully returned the reentry capsule to the Earth on December 6, 2020. The capsule was transported to ISAS, JAXA on December 8, 2020. Numerous dark particles, up to about 1 cm in size, were found inside the sample catcher enclosed in the sample container. Detailed analysis of the particles will begin this summer.

In this presentation, I will talk about the scientific objectives of the mission and sample analysis.

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