

Hayabusa2 Mission Scenario

Launch
2014

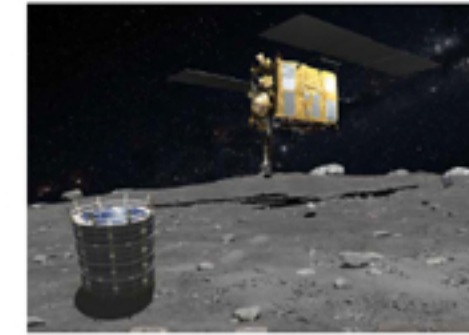


To Asteroid 1999 JU3

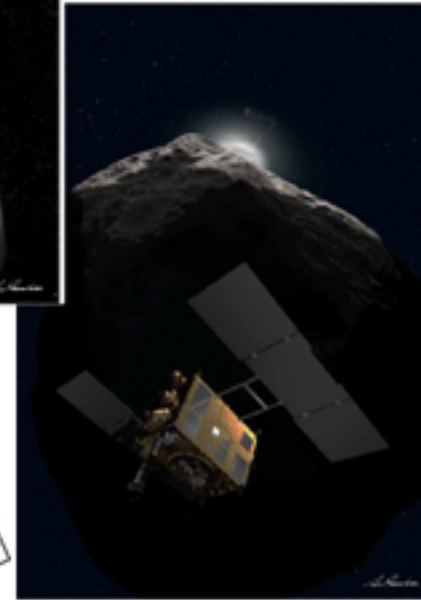
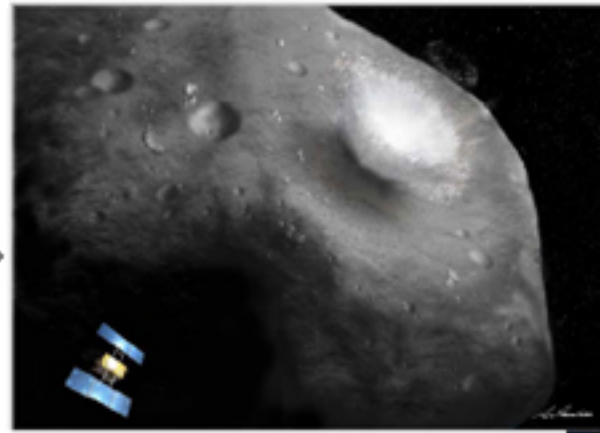


Asteroid Arrival
June 2018

Hayabusa2 observes the asteroid by the optical camera, the near infrared spectrometer, Laser altimeter, etc. Then it approaches near the surface of the asteroid, releases small rovers (MINERVA2) and a small lander (MASCOT), and tries to get the surface material.



The impactor will collide to the surface of the asteroid to create an artificial crater. The crater will be observed to study underground matter.



Spacecraft will go some other places such as Lagrange point.

Asteroid Departure
December 2019

Earth Return
December 2020

Sample Analysis



After confirming the safety, touchdown will be performed to get the subsurface matters.