

はやぶさ2 ONC-Tの反射分光観測による含水鉱物吸収の検出可能性 Detectability of 0.7 μm absorption band of hydrous minerals using the Hayabusa2 ONC-T Flight Model

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Hayabusa2 has three cameras for optical navigation to the asteroid 1999JU3. ONC-T is one of them and it can be used also for reflectance spectroscopy. The results of the ground-based observation suggested that hydrous materials might remain on the 1999JU3 but on the small part of the surface. To bring them to the Earth, we should perform reflectance spectroscopic observation near the asteroid using ONC-T to locate the point where hydrous mineral is rich.

In this presentation, we will report the result of final calibration test of ONC-T and discuss the detectability of hydrous minerals on 1999JU3.