

CONTROL ID: 2587356

TITLE: The moon of the large Kuiper-belt object 2007 OR₁₀

ABSTRACT BODY:

Abstract (2,250 Maximum Characters): We have identified a candidate satellite of the large Kuiper-belt object 2007 OR₁₀. The moon has clearly been observed in one set of images and we obtained a tentative detection in a previous epoch. The moon orbits the central body at a distance of at least 15 000 km. Apart from this satellite no sign of binarity was observed, i.e. 2007 OR₁₀ is likely a single large body. The low brightness of the moon also indicates that it cannot contribute notably to the total thermal emission of the system, i.e. 2007 OR₁₀ has a size of ~1535 km obtained previously from Herschel and K2 data.

CURRENT * CATEGORY: Centaurs and Kuiper Belt Objects

CURRENT : None

AUTHORS (FIRST NAME, LAST NAME): Gabor Marton¹, Csaba Kiss¹, Thomas G. Mueller²

INSTITUTIONS (ALL): 1. Konkoly Observatory, Budapest, Hungary.
2. MPE, Garching, Germany.

Contributing Teams: