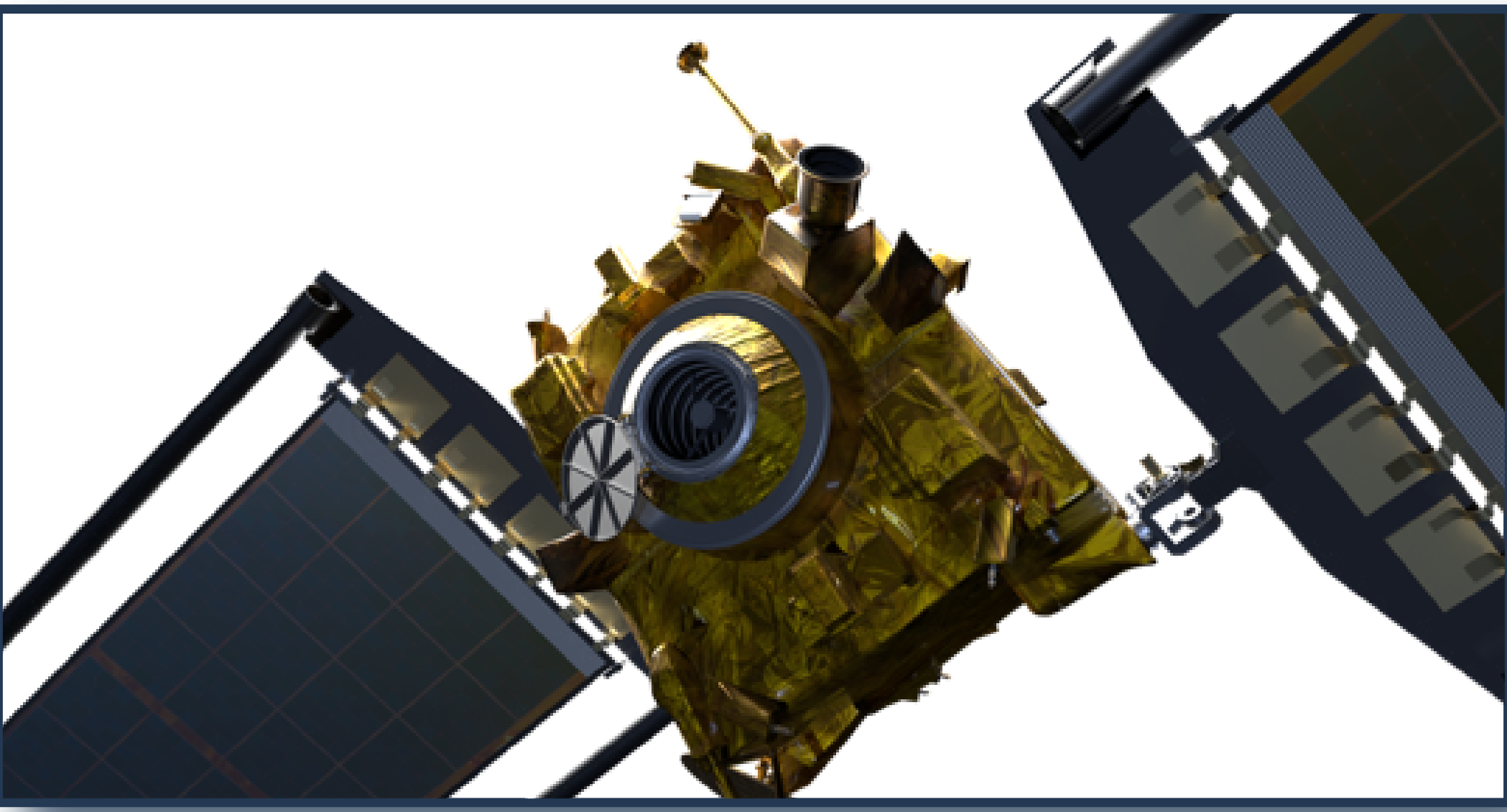


Proximity Observations by the Didymos Reconnaissance and Asteroid Camera for OpNav (DRACO)



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The Didymos Reconnaissance and Asteroid Camera for OpNav (DRACO) is a narrow field-of-view imager on NASA's Double Asteroid Redirection Test (DART) spacecraft. DART is a planetary defense mission that will perform the first kinetic impactor demonstration by impacting Dimorphos, the secondary asteroid in the binary 65803 Didymos system in September 2022.

DRACO is designed to support optical navigation of the spacecraft and ensure impact with the secondary member of the Didymos system, to refine system properties (e.g., orbit, rotation rate, pole), to characterize the surface characteristics and shape of the Didymos secondary during the terminal phase, and to constrain the location of the impact site.

Timeline of proximity operations for the final 30 days before impact

