

Science Objective Summary

Full Rotation Phase Function observation 1 with MapCam

- The first of two separate Full Rotation Phase Function observations will occur on 9/27/18 (DOY 270).
- The goal is to produce four phase functions of Bennu by measuring changes in light reflected from Bennu's surface as the asteroid is illuminated from different angles. Measurements will be in four distinct wavelength regions that can be compared with observations of recognized ECAS standard stars in the b, v, w and x ECAS filters.
- These observations provide information on Bennu's albedo and the way light is reflected from the asteroid's surface at different angles. In combination with Daily Phase Function and Light Curve observations, they contribute to fulfilling the requirement of rotationally resolved and non-rotationally resolved photometry.