

Science Objective Summary

DOY 143 (6:00 AM Equatorial Station): OVIRS, OTES, and MapCam will collect data in continuous linear scans for a full Bennu rotation (plus additional scans for robustness). OLA will ride along and scan across-track. These observations support the production of the OVIRS and OCAMS photometric models; global temperature and thermal inertia maps; and global shape models from SPC (35 cm) and OLA (75 cm).

DOY 146: The spacecraft will perform eight east-west zig-zag scans with OTES collecting data for the thermal emission phase function. OVIRS will ride along, and MapCam will take context images.

Throughout the week: With each set of OpNavs, NavCam1 will collect an additional long-exposure image to support particle monitoring.