Cassini Imaging Science: Initial Results on Phoebe and Iapetus


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Fig. S1. Shape model of Phoebe with relative color-coded heights relative to an equipotential surface. The calculation assumes homogeneous mass distribution, and accounts for rotational accelerations. Derived from stereo images and from limb and terminator positions. Viewed from the equator with north at the top. Viewpoint longitudes are noted.
Fig. S2. Color-coded elevations of a conical crater (1.7° S, 7.7° E). Topographic model derived from stereo images: N1465673021, 78m/pxl (image in the background) and N1465674693, 19m/pxl (inset). Model horizontal resolution is 0.5 km, vertical accuracy ~ 50 m. The reference for elevations is a local plane defined by the southern part of the crater rim. The crater bottom is put at zero elevation. The most striking features of the crater are its conical shape and a depth-to-diameter ratio of 1:3.8, which is significantly higher than the lunar value of ~1:5 for bowl-shaped craters. The crater walls are almost straight and tapered (see profile). The rim is not elevated against the local surroundings.