

Shape of asteroid (4) Vesta

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On July 2011, the DAWN spacecraft encountered its first primary target - the asteroid (4) Vesta. From the high altitude mapping orbit (HAMO) ~2500 images have been acquired stereoscopically with 65 m/pxl resolution. Based on these data, we reconstruct the surface of Vesta and produce a high resolution digital terrain model (DTM) in 125m/pxl grid space. This shape model is among the most important science accomplishments of the DAWN mission and the first high resolution model of a dwarf planet. At the meeting, we will report on the processing as well as demonstrate our final results.