



Opportunity Rover at Santa Maria Crater

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HiRISE acquired this image of the Opportunity rover on the Southwest rim of Santa Maria Crater on New Year's Eve 2010, or Sol 2466 of the rover's surface mission. Opportunity is imaging the crater interior to better understand the geometry of rock layers as a means of defining the stratigraphy and the impact process. Santa Maria is a relatively young, 90 meter-diameter impact crater (note blocks of ejecta around the crater), but old enough to collect sand dunes in its interior.