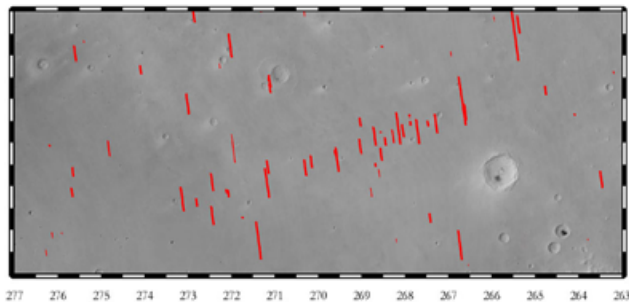
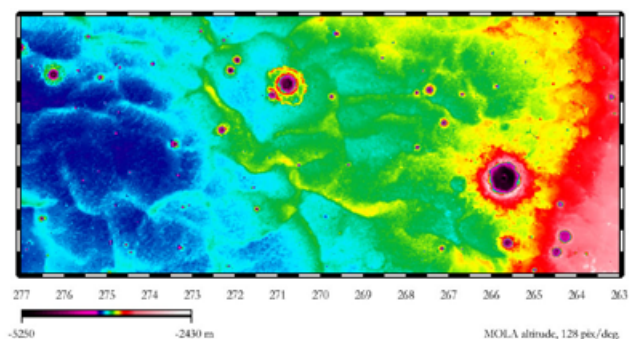


BEAGLE-2 LANDING SITE ATLAS G. G. Michael¹, A. F. Chicarro¹, J. F. Rodionova², V. V. Shevchenko², J. Iluhina², E. A. Kozlova², ¹ESA/ESTEC, SCI-SR, Keplerlaan 1, 2201 AZ Noordwijk, The Netherlands, greg.michael@esa.int
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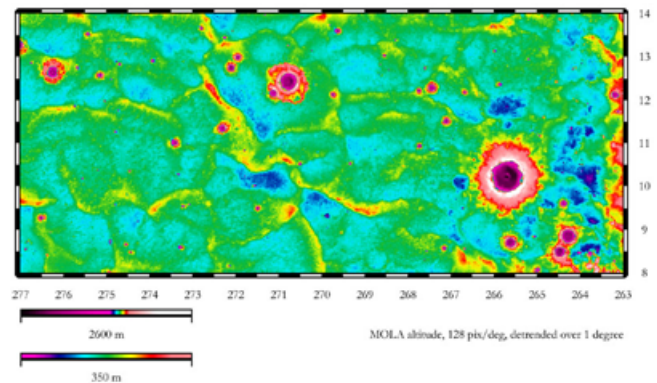
The Beagle-2 lander of the Mars Express mission will come to rest on the surface of Isidis Planitia in late December 2003 to carry out a range of geochemistry and exobiology experiments. We are compiling an atlas of the presently available data products pertinent to the landing site at 11.6N 90.75E, which is intended for distribution both as a printed and an electronic resource. The atlas will include Viking and MOC-WA image mosaics, and a catalogue of high-resolution images from MOC and THEMIS with location maps. There will be various MOLA topography-based products: colour-scaled, contoured, and shaded maps, slope, and detrended relief. Simulated camera panoramas from various potential landing locations may assist in determining the spacecraft's position. Other maps, both raw, and in composites with image mosaics, will cover TES thermal inertia and spectroscopy, and Odyssey gamma and neutron spectroscopy. Maps at the scale of the Isidis context will additionally cover geology, temperature cycles, and atmospheric circulation. Sample are shown below.



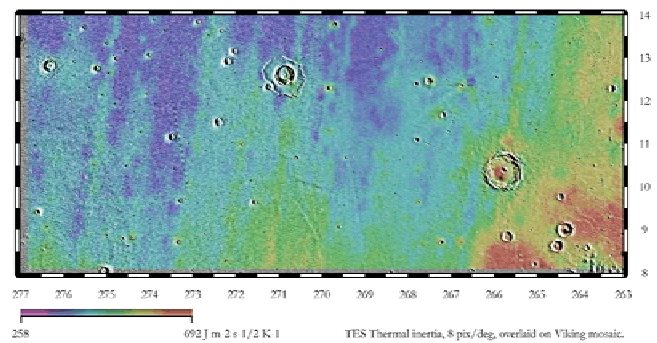
Locations of MOC narrow-angle images on MOC wide-angle mosaic.



MOLA topography of the region



Detrended topography highlighting the low relief features of the region (1 degree)



TES thermal inertia composite with Viking image mosaic

References:

- MOC: <http://www.msss.com/mgchw/mgm/>
- MOLA: <http://wufs.wustl.edu/missions/mgs/mola/>
- TES: <http://wufs.wustl.edu/missions/mgs/tes/>
- Viking: <http://pdsmaps.wr.usgs.gov>