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Equatorial locations of water on Mars: Improved resolution maps based on Mars Odyssey Neutron Spectrometer data

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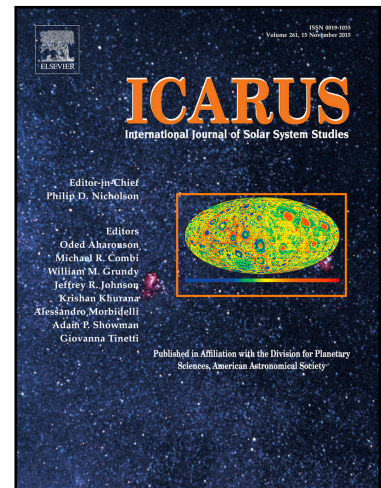
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Highlights

- The resolution of the Mars Odyssey Neutron Spectrometer data has been improved from 520 to 290 km.
- In addition to the polar deposits the boundaries of equatorial hydrogen reservoirs are made clear.
- Western lobes of the Medusae Fossae Formation contain up to 40 wt. % water equivalent hydrogen.
- The results are consistent with buried water ice existing in small regions close to Mars' equator.

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