

Accepted Manuscript

Crustal control of dissipative ocean tides in Enceladus and other icy moons

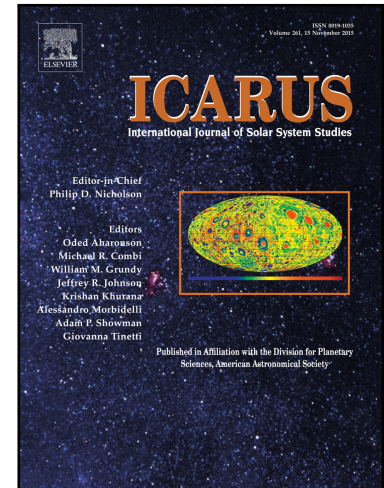
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PII: S0019-1035(16)30473-0
DOI: [10.1016/j.icarus.2016.08.009](https://doi.org/10.1016/j.icarus.2016.08.009)
Reference: YICAR 12148

To appear in: *Icarus*

Received date: 4 February 2016
Revised date: 4 August 2016
Accepted date: 7 August 2016

Please cite this article as: Mikael Beuthe, Crustal control of dissipative ocean tides in Enceladus and other icy moons, *Icarus* (2016), doi: [10.1016/j.icarus.2016.08.009](https://doi.org/10.1016/j.icarus.2016.08.009)



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1 Highlights

- 2 • Laplace Tidal Equations coupled to a viscoelastic membrane
- 3 • Simultaneous dissipation in mantle-ocean-crust
- 4 • Crust strongly reduces oceanic dissipation in Enceladus
- 5 • Simple scaling of resonances with crustal resistance
- 6 • Crustal dissipation due to dynamical obliquity tides can differ by a factor two

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