

Accepted Manuscript

# CRYOVOLCANIC EMPLACEMENT OF DOMES ON EUROPA

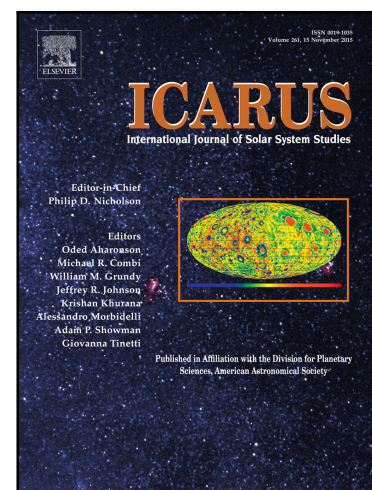
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PII: S0019-1035(16)30384-0  
DOI: [10.1016/j.icarus.2016.06.029](https://doi.org/10.1016/j.icarus.2016.06.029)  
Reference: YICAR 12122

To appear in: *Icarus*

Received date: 13 November 2015  
Revised date: 15 June 2016  
Accepted date: 18 June 2016

Please cite this article as: Lynnae C. Quick , Lori S. Glaze , Stephen M. Baloga , CRYOVOLCANIC EMPLACEMENT OF DOMES ON EUROPA, *Icarus* (2016), doi: [10.1016/j.icarus.2016.06.029](https://doi.org/10.1016/j.icarus.2016.06.029)



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### Highlights

- We model the emplacement of putative cryovolcanic domes on Europa
- Erupted lava will be warm enough to relax and advance to form domes in Europa's frigid environment
- Cryovolcanic domes may form from low viscosity H<sub>2</sub>O or briny solutions that undergo rapid cooling
- Cryovolcanic domes may have rheologies that are consistent with terrestrial basalt

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