

Impact cratering into **water-covered targets** on Mars

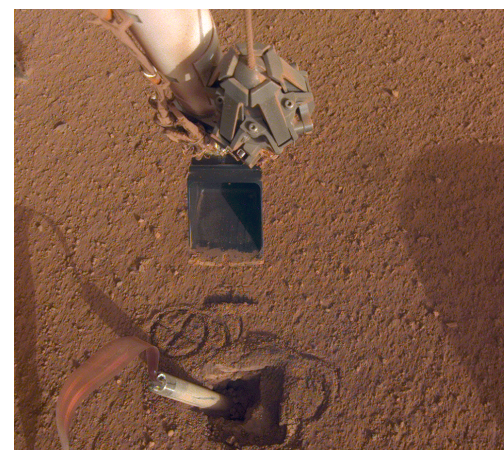
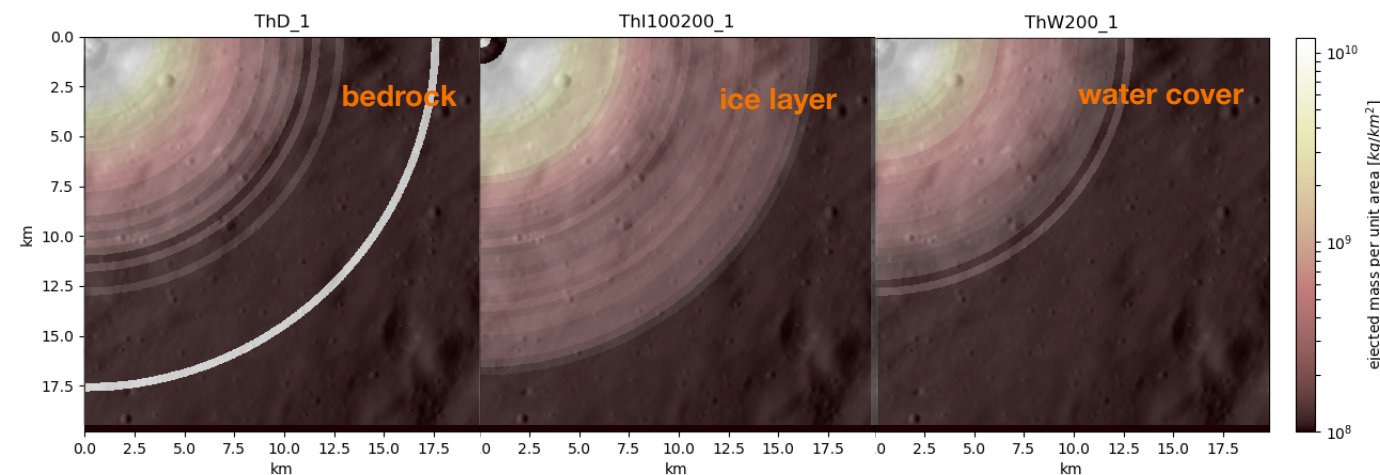
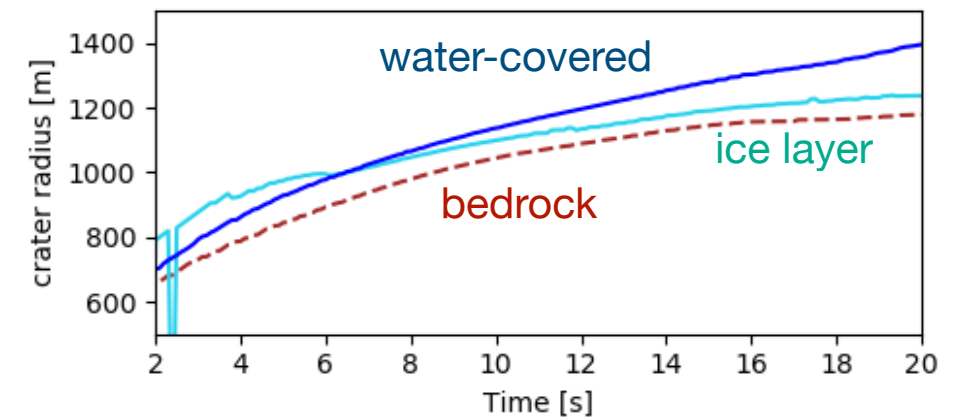
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Conclusions

Promising new independent observable of water/ice on Mars

- > We test if we can **distinguish between ejecta** arising from impacts into different targets (water-covered, ice-layered, pure bedrock)
- > confirmed observable **differences in crater radii and ejecta distributions** with the presence or absence of water (ice) in the subsurface
- > applied to ubiquitous impact sites, -> **method for a better characterization of future landing sites** (also for subsurface exploration)



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