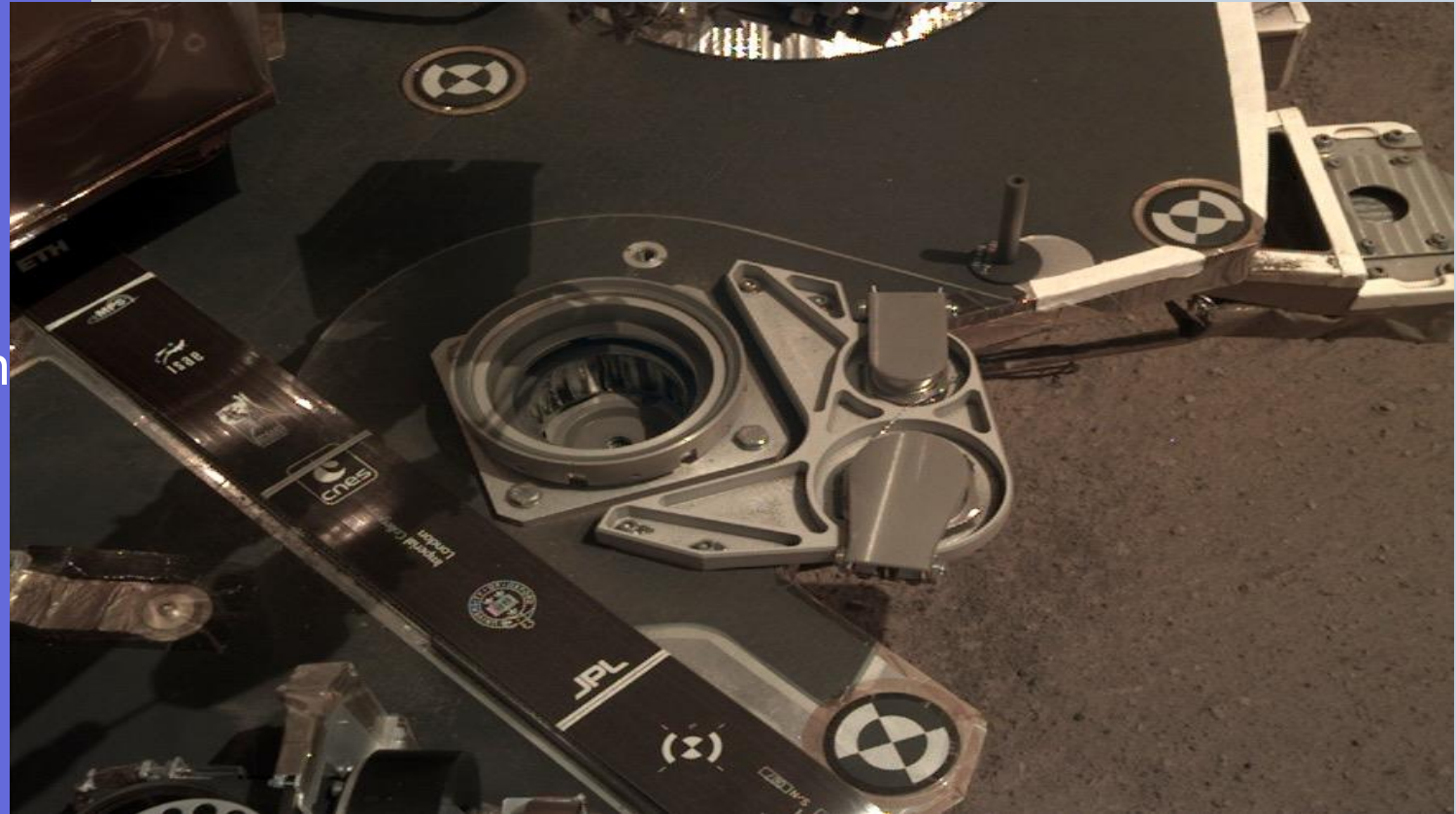


Oxford Physics Space Science and Instrumentation

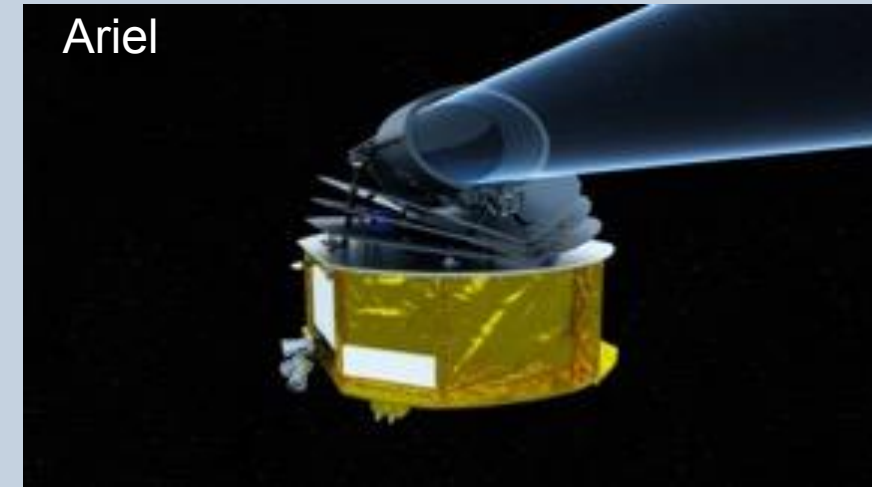
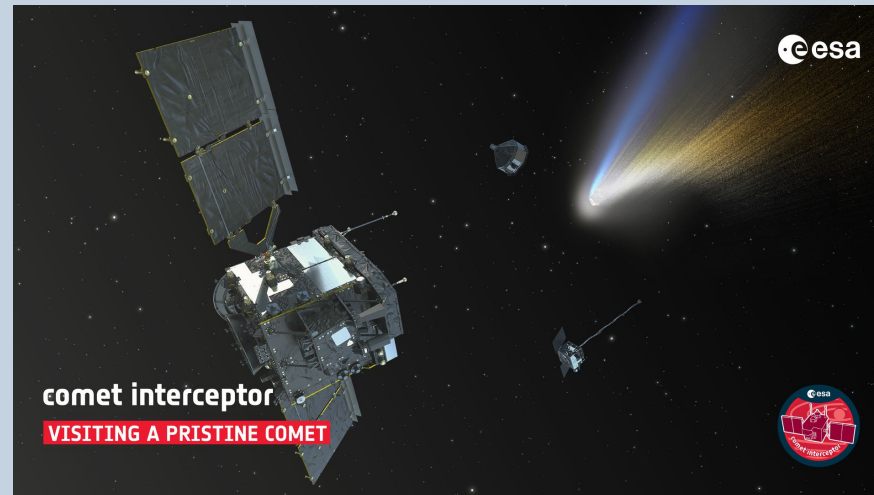
Oxford Physics Planetary Experiments

(With thanks to the numerous international teams we have worked with in the past, present and future)

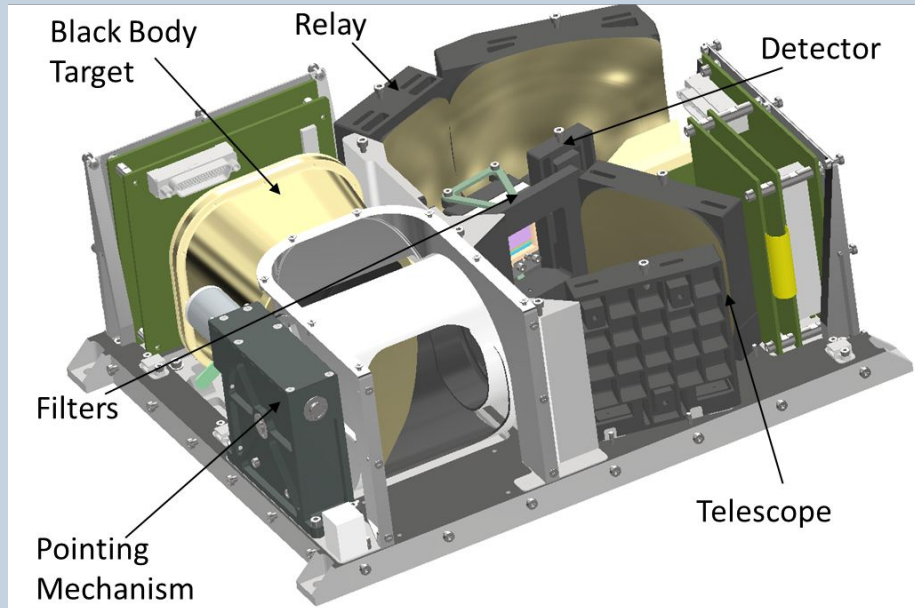
Carly Howett, Neil Bowles
Fraser Clarke



Space Instrumentation at Oxford Physics

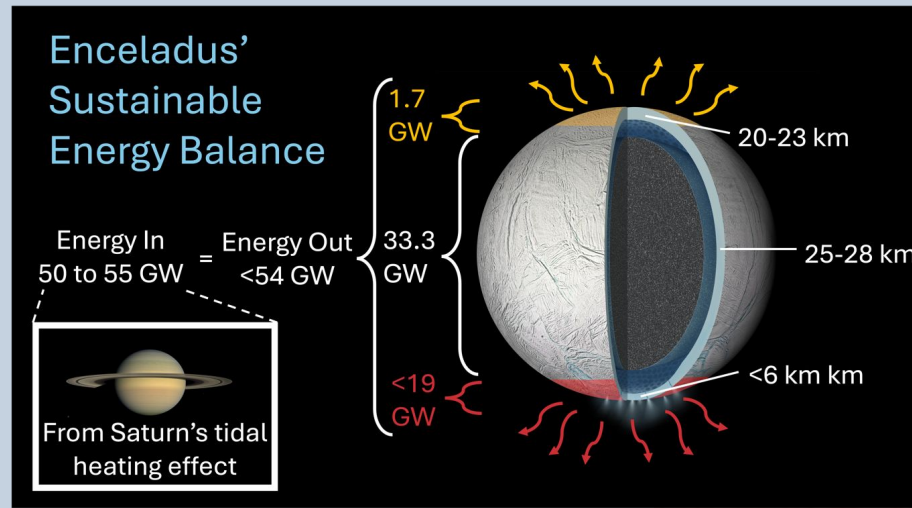


Icy Moon Exploration



Enceladus Thermal Mapper (ETM)

- Based on LTM and developed through UKSA Bilateral Funding
- Baseline Thermal Instrument to ESA's L4 Mission to Enceladus
- Baselined in NASA New Frontiers Proposals (AO pending)



Surface Science

- Ongoing development of a comprehensive thermal model for Enceladus and Europa.
- Successfully constrained Enceladus' conductive heat flow.
- Developing diagnostics for distinguishing between different European activity types in conjunction with specialists in ice dynamics
 - Compatible with analysing Europa Clipper E-THEMIS and Juice SWI measurements.

