

Investigating Apollo Drive-tubes



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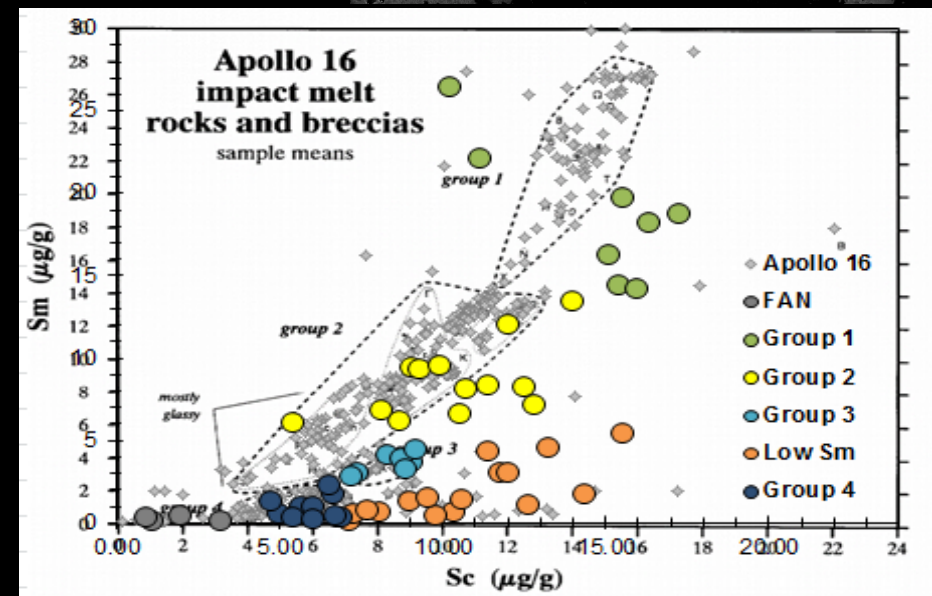
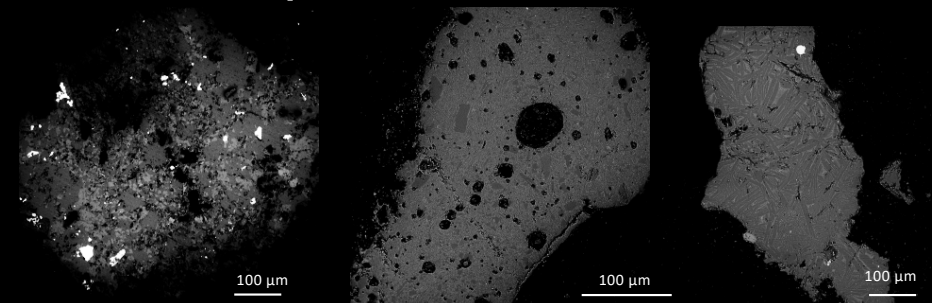
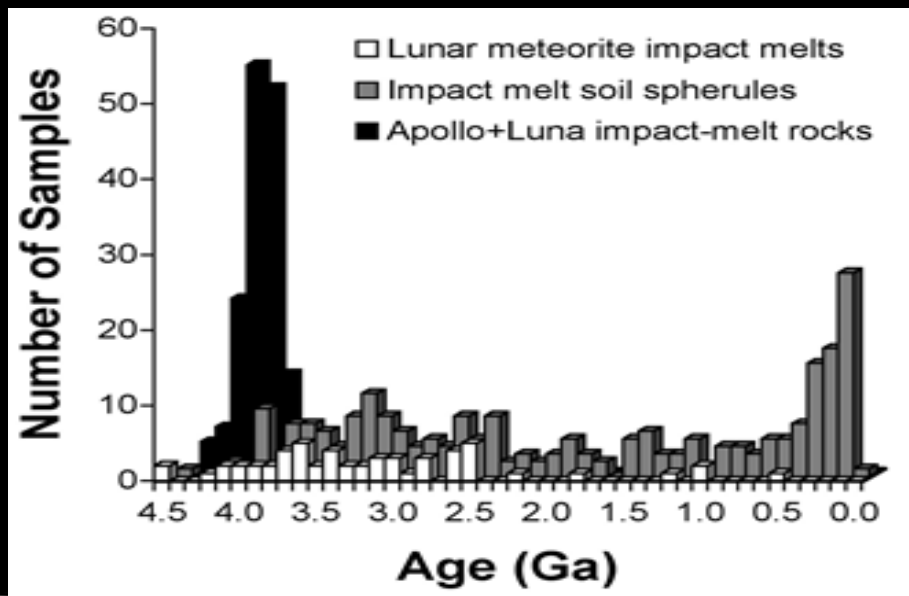
Age Distribution of Apollo 16 Impact Melts

Was there a lunar cataclysm?

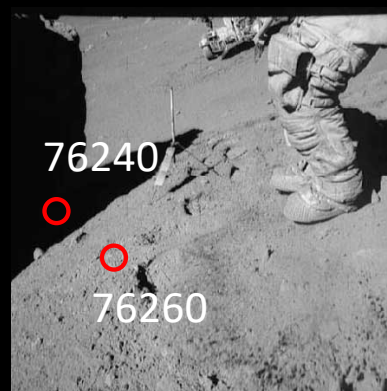
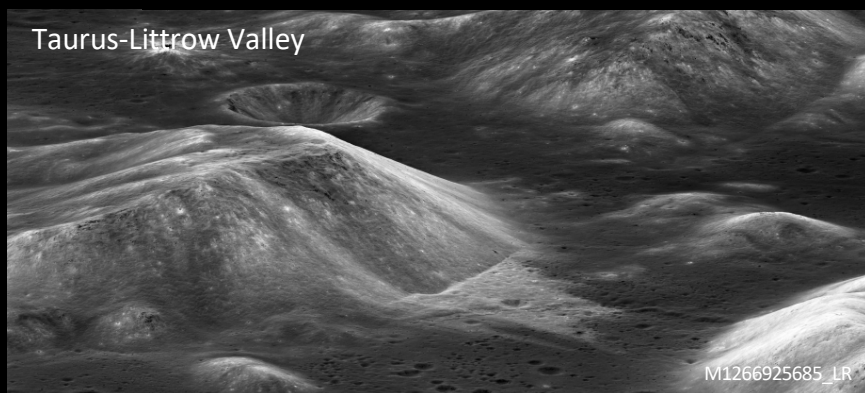
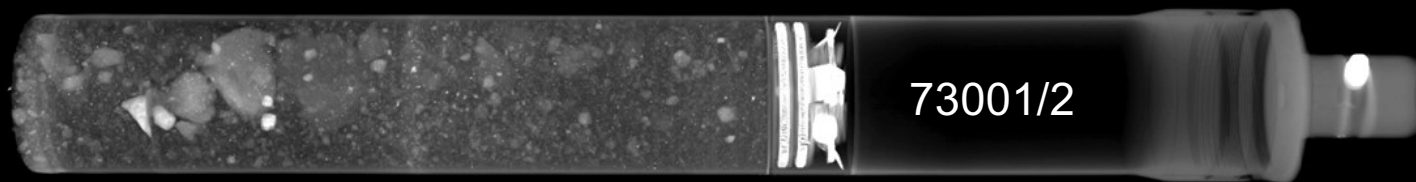
- Large impact melts suggest there was
- Smaller clasts and spherules don't

Double drive-tube 68001/2

- Opportunity to look at different populations of impact melts with depth



Exposure history of Apollo 17 samples



Apollo Next Generation Sample Analysis (ANGSA)

- Unopened and unstudied samples
- Double drive-tube 73001/2
- Frozen samples (76240 & 72320)
- Cosmic ray exposure age of particles will unravel the history of the core
- Will provide crucial context to measurements of volatile and organic compounds in these unique samples.

