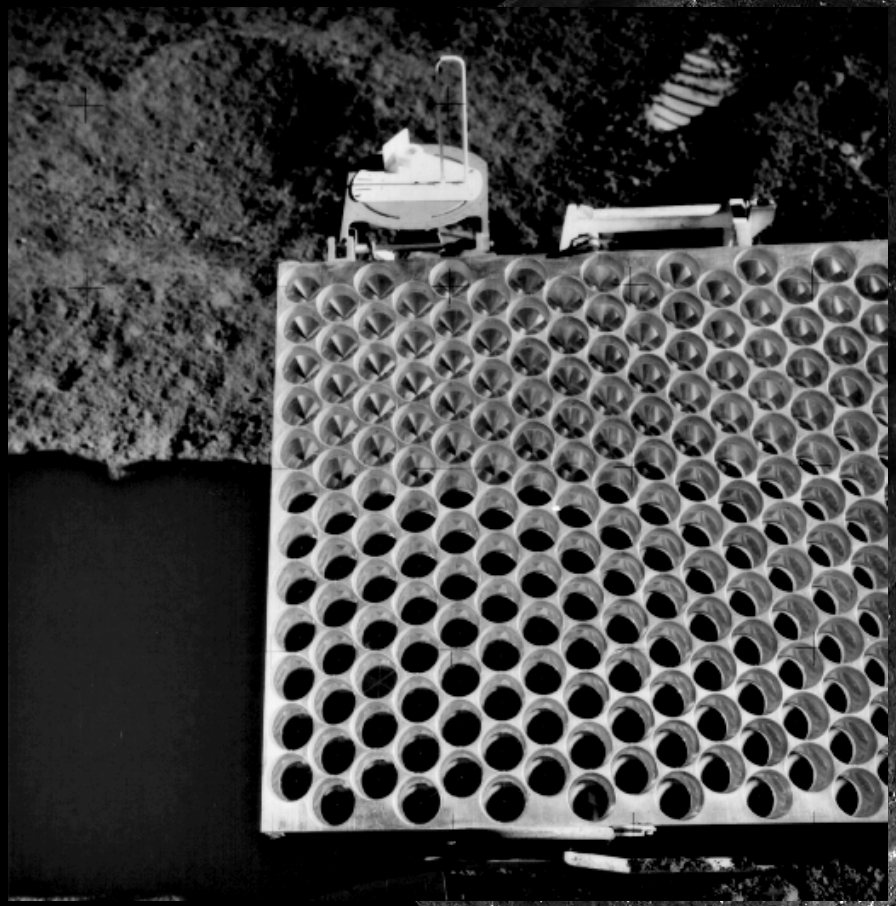
Evidence for a Liquid Lunar Core – Laser Ranging

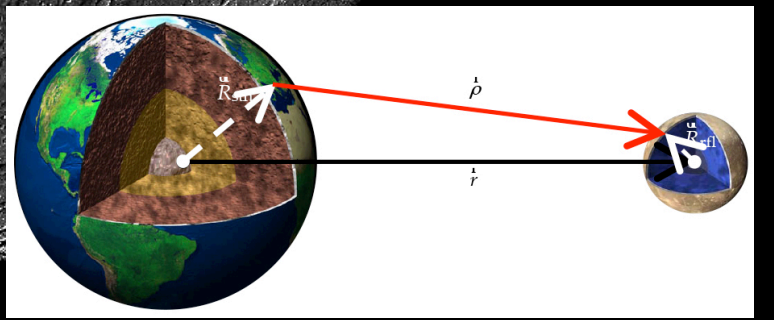


Lunar rotation displays a strong source of dissipation which is compatible with a fluid core.

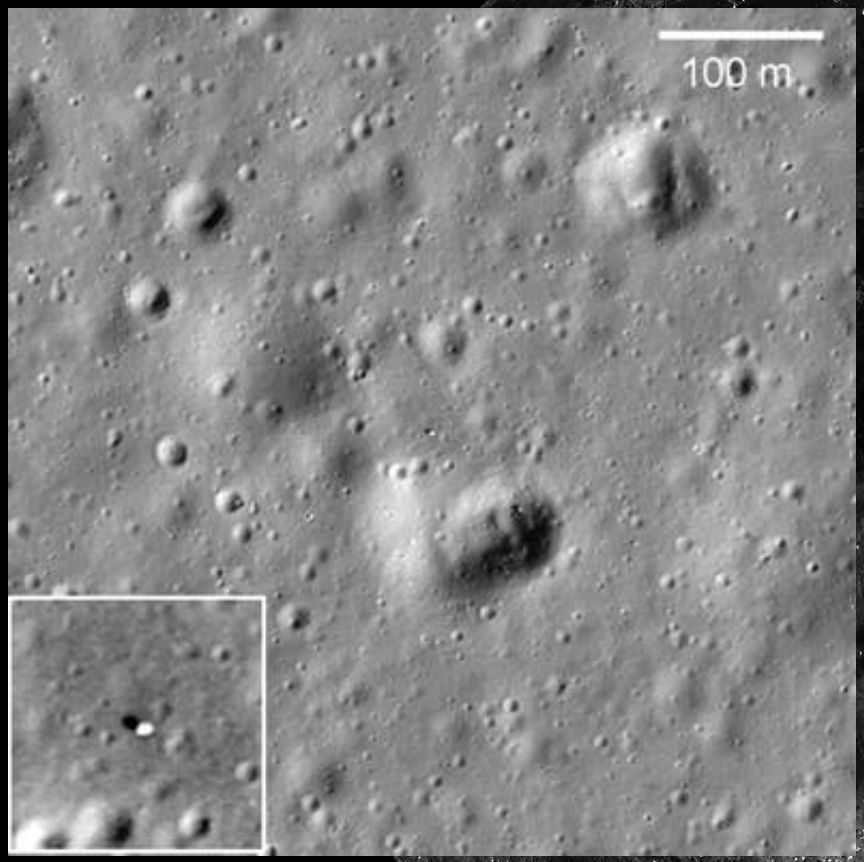
Dissipation results suggest core radius of 352-374 km (20% of the lunar radius.

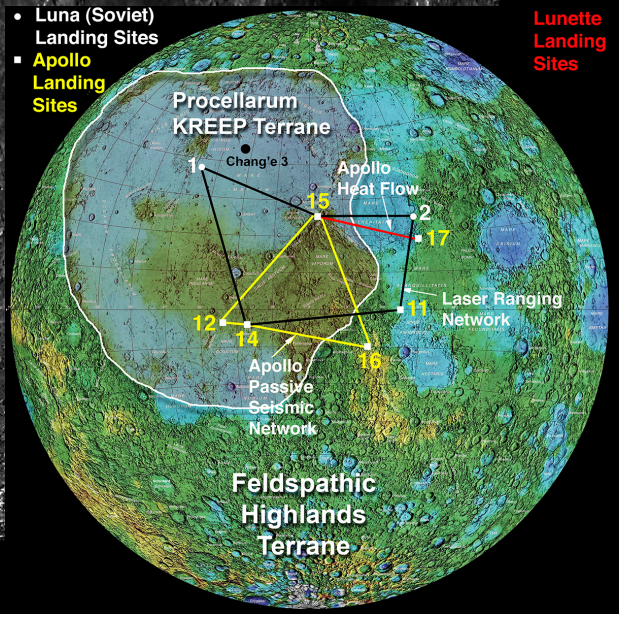
Williams et al. (2001) *J. Geophys. Research* **106**, 27933–27968.

Williams et al. (2006) *Advances in Space Research* **37**, 67-71.



Rediscovery of Lunokhod 1 and Lunar Laser Ranging



LROC NAC images used to locate the lander and the rover. Lander identified by albedo anomaly and spacecraft identification. Rover located by(following the tracks.

Murphy et al. (2011) Laser ranging to the lost Lunokhod 1 reflector. *Icarus* **211**, 1103-1108