

FAQs for Ames Capabilities Deep Dive

Does your Integrate Orbit/Trajectory Analysis include aeroassist / aerocapture / aerobrake maneuvers?

Yes, Ames is experienced in Lunar return trajectories from cis-Lunar space including aerocapture, ballistic entries, and skip entries. In addition, we have expertise in aerothermal and aerodynamic analysis for entry vehicle Thermal Protection System (TPS) design.

If our proposal wins and we want to use the VMS facility, what's the process? Would we have unlimited access for our testing capabilities?

Ames will support Industry needs as part of the solicitation process, please contact us.

Ames is experienced working with multiple vendors confidentially and managing multiple needs concurrently.

Are we able to tour these facilities to gauge our needs?

Yes, Ames will support Industry requests as part of the solicitation process, please contact us.

What type of Lidar is Ames using as presented on the Precision Landing sensor chart? Is it Time of Flight, Scanning, Doppler? Is it Lidar developed from Goddard (ie. Kodiak) or Langley (NDL)?

Currently, Ames is using Scanning LIDAR. It was not developed from NASA's Goddard Space Flight Center or Langley Research Center.

How do we use the lunar surface interface mentioned by Brian Day? Is there a website? Or do we have to download software?

There is no need to download software. The interface is located online at: <https://trek.nasa.gov>