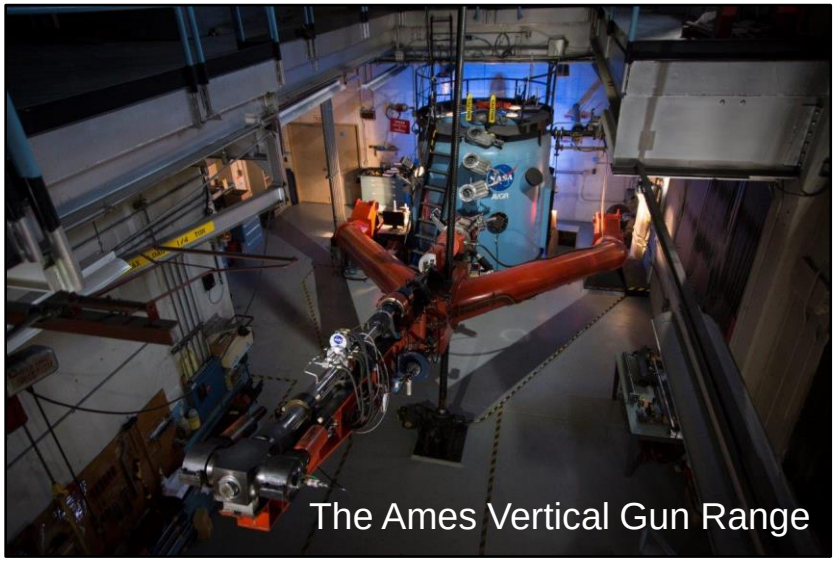
Ames Vertical Gun Range (AVGR)

Facility Manager: Charles Cornelison, NASA Ames Research Center
Website: https://www.nasa.gov/centers/ames/thermophysics-facilities/ballistic-ranges

Description of Facility

- A variable angle, hypervelocity impact facility that is used to study crater formation and debris dispersion on terrestrial bodies (with and without atmospheres), vehicle damage response to micro-meteoroid impact, and momentum transfer.
- High-speed video capability includes pairs of Vision Research Phantom V10, V12, V12 monochrome, V2512 and Shimadzu HPV1 cameras.
- 6 – 8 months of facility access per year.
- Research teams typically visit the AVGR for 1-week entries. The AVGR staff operates the facility and delivers the data to the research team.
- No restrictions on access.



The Ames Vertical Gun Range

How to use the facility

- To request access, contact the Facility Manager and the Science Coordinator
- Experiments as part of ROSES proposals are evaluated through the ROSES process. Non-ROSES requests are evaluated by the Facility Manager, Science Coordinator, and the AVGR's operations Branch.
- Requests are prioritized "first come, first serve."
- PSD ROSES proposals can use the AVGR at no cost. The FY23 rate for non-ROSES experiments is $12.8k/day.

Contact information:

- NASA Ames Research Center
  Bld. N204A
  Moffett Field, CA 94035
- Ballistic Range Complex Facility Manager: Charles Cornelison
  charles.j.cornelison@nasa.gov
  650-604-3443 (cell 650-353-1064)
- Science Coordinator: John Karcz
  john.s.karcz@nasa.gov