

Ames Vertical Gun Range (AVGR)

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

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 micrometeoroid 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.

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:

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