



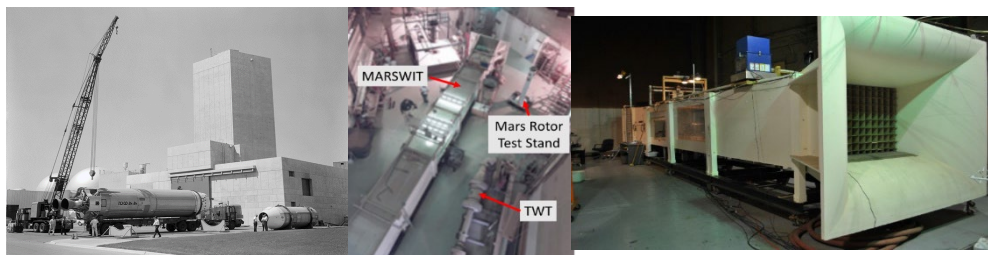
Planetary Aeolian Laboratory

PI: Haley Cummings, NASA Ames Research Center

Website: <https://www.nasa.gov/ames/planetary-aeolian-laboratory>

Description of Facility

- The Planetary Aeolian Laboratory (PAL) is used to conduct experiments and simulations of aeolian processes under planetary atmospheric environments in the 4000 m³ chamber
- Available instruments and apparatus include the Mars Surface Wind Tunnel (MARSWIT), the Titan Wind Tunnel (TWT), one differential and two absolute pressure transducers, Vaisala dewpoint and temperature transmitter, 24 type T thermocouples, Keithley 602 Solid State Electrometer, and LabView data acquisition system
- Access available to the facility and instruments will be in person; no restrictions to access



The PAL (left), the facilities inside the PAL (center), and the MARSWIT (right)

How to use the facility

- Projects funded through Solar Systems Workings (SSW) request access via proposal
- Projects funded elsewhere request access via email to PAL Principal Investigator (see Contact Information section)
- Requests are evaluated and prioritized based on Planetary Science Division (PSD) priorities and facility schedule; first priority goes to PSD Research and Analysis (R&A), second priority goes to work relevant to PSD R&A, third priority goes to other users
- Cost to use facility: \$1500/day at low-pressure conditions

Contact information:

- Facility is located at NASA Ames Research Center, Moffett Field, CA 94035 in Building N242
- Email PI Haley Cummings at ARC-CAL-PAL@mail.nasa.gov for information and inquiries



PAL Website