

Satellite Propulsion Complex (Area 1-14)



Description:

Research rocket firing encompass both storable and cryogenic systems, ranging from ground level to simulated altitudes of 120,000 feet. Experiments are accomplished in a number of approaches, using any of five test cells for static testing of liquid propellant engines; dynamic load effects created by a centrifuge; or liquid propellant flow distribution measurements in the

hydrodynamic flow lab. The solar Lab is housed in this complex, where R&D is conducted on solar energy and hydrogen uses.

Purpose:

Satellite scale research on next generation rocket engine materials, components, subsystems, and engines.

Products:

RDT&E of Satellite Engines and Systems
Water Flow Calibrations
Mass and Mixture Ratio Distribution Measurements
Laser R&D
High Vacuum Experiments
Solar Powered Rocket Development

Availability:

U.S. Government agency use, DoD contractors and dual use/defense conversion use-limited on an as available basis.
Contact POC for additional information.