Installation-Accountable Government Property (IAGP) List

Electromagnetic Interference Laboratory (EMI)
The Electromagnetic Interference Laboratory (EMI) offers analysis of hardware requirements and specification comparisons, electronic component testing, testing of hardware for shielding effectiveness, and final qualification testing of experiments.

For more information, please refer to the following website:
https://www1.grc.nasa.gov/facilities/emi/

Thermal Test Facility (TTF)
The Thermal Test Facility is located in Building 332. The area is equipped with a 2-ton crane. The TTF consists of two separate environmental chambers, each with its own control/data acquisition system (C/DAS). Each C/DAS is used to program and control its chamber and can be used to take data from the experiment package. Additional information is provided below:

Small Chamber
-   Size: 0.8mD x 0.76mW x 0.91mH = 31.5"D x 30"W x 36"H
-   Temperature range of -73ºC to 200ºC = -99ºF to 392ºF
-   Relative humidity range of 20% to 95%
-   Access port: 6" port

Large Chamber
-   Size: 1.2mD x 1.35mW x 1.8mH = 48"D x 54"W x 72"H
-   Temperature range of -73C to 176C = -99ºF to 349ºF
-   Relative humidity range of 20% to 95%
-   Maximum floor loading 2390 N/m2 (50lbs/ft2).
-   Access ports: seven 4" ports

Structural Dynamics Laboratory (SDL)
The Structural Dynamics Laboratory (SDL) performs structural dynamic testing to verify the survivability of a component or assembly when exposed to vibration stress screening, or a controlled simulation of the actual flight or service vibration environment.

For more information, please refer to the following website:
https://www1.grc.nasa.gov/facilities/sdl/

Structural Static Laboratory (SSL)
The Structural Static Laboratory (SSL) performs tests to verify the structural integrity of space flight and ground test hardware. It can also be used to verify the modes of failure of a design when exposed to simulated service loads.

For more information, please refer to the following website:
https://www1.grc.nasa.gov/facilities/ssl/

2.2 Second Drop Tower
The 2.2 Second Drop Tower has been used for nearly 50 years by researchers from around the world to study the effects of microgravity on physical phenomena such as combustion and fluid dynamics and to develop technology for future space missions.

For more information, please refer to the following website:
https://www1.grc.nasa.gov/facilities/drop/

Zero Gravity Research Facility
The Zero Gravity Research Facility is NASA's premier facility for ground-based microgravity research, and the largest facility of its kind in the world. It provides researchers with a near weightless environment for a duration of 5.18 seconds.

For more information, please refer to the following website:
https://www1.grc.nasa.gov/facilities/zero-g/

Power Systems Facility (PSF) – High Bay Cleanroom
The Power Systems Facility (PSF) provides capability to develop, test and verify flight hardware in a secure and clean environment, that consists of two divided large high bay cleanrooms. The East side cleanroom (100E) has the Payload Rack Checkout Unit (PRCU) along with the Combustion Integrated Rack and the Fluids Integrated Rack ground integration units that are utilized for managing those two ISS racks along with their associated payload testing.

For more information, please refer to the following website:
https://www1.grc.nasa.gov/facilities/psf/#high-bay-cleanroom

Space Experiments Laboratory – High Bay Cleanroom
The Space Experiments Laboratory (SEL) provides capability to develop, test and verify flight hardware in a secure and clean environment, that consists of a large high bay cleanroom along with four associated smaller laboratories connected to the high bay.

- Size: 3800 sq ft (Also, includes 3 clean lab rooms ~600 sq ft each)
- Ceiling Height: 40 feet
- Class: ISO 8 or 100,000 class
- Cranes: 1 crane – 5 tons

Note: We are offering these facilities on an availability basis and all need to be scheduled for usage with the various facility/lab managers.