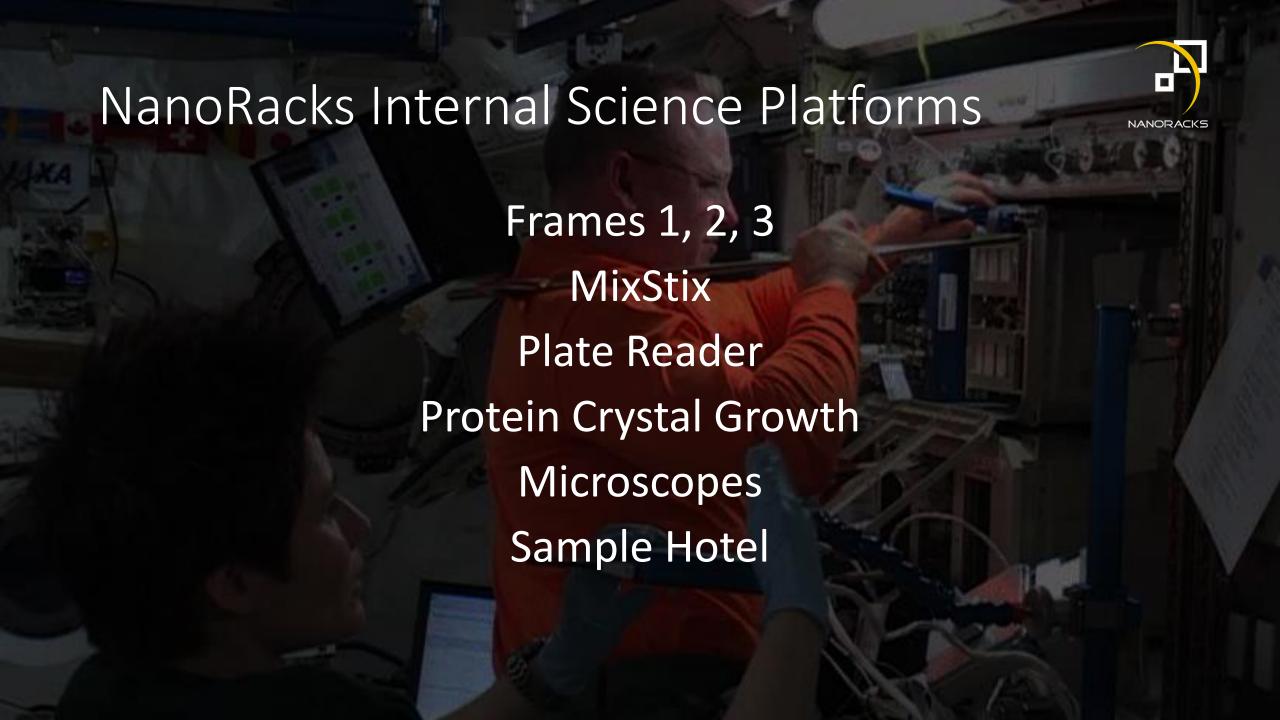
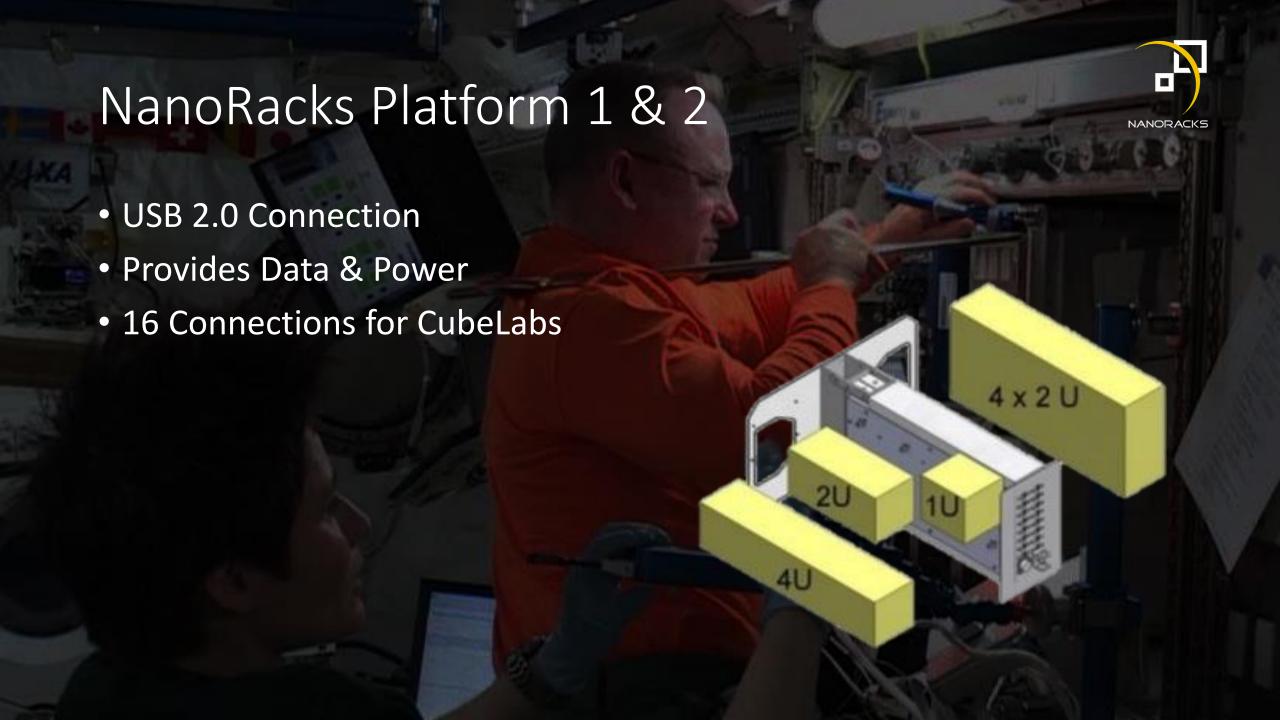


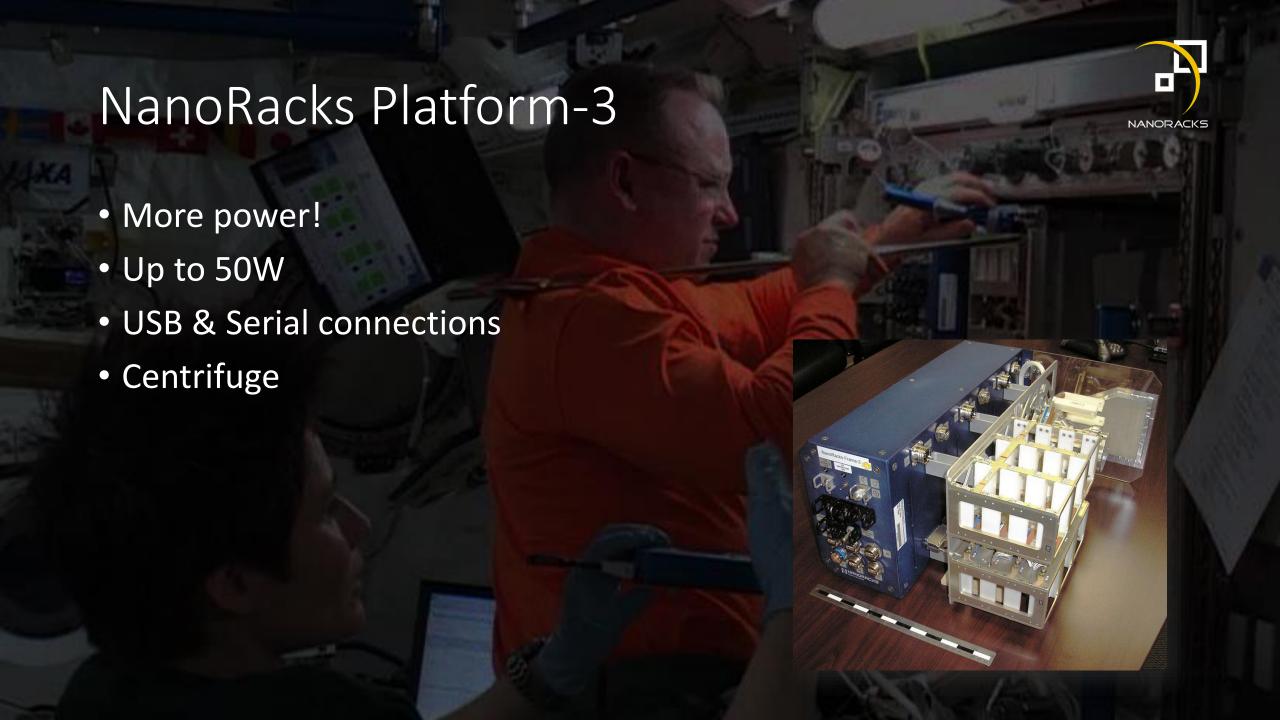
NanoRacks Internal Space Station Platforms

NanoRacks ISS Workshop
George Washington University
February 17, 2015

ccarruthers@nanoracks.com, mmurphy@nanoracks.com





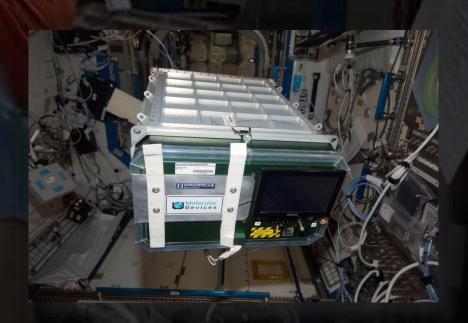


#### NanoRacks Plate Reader



- Measures properties of materials using light absorbance or reflection
- Common lab instrument
- Can use most standard microplate formats
- COTS modified for flight





## Protein Crystal Growth

NANORACKS

- Microfluidic Card system for Protein Crystal Growth
- ~4 µL sample, 400-800 different conditions/card

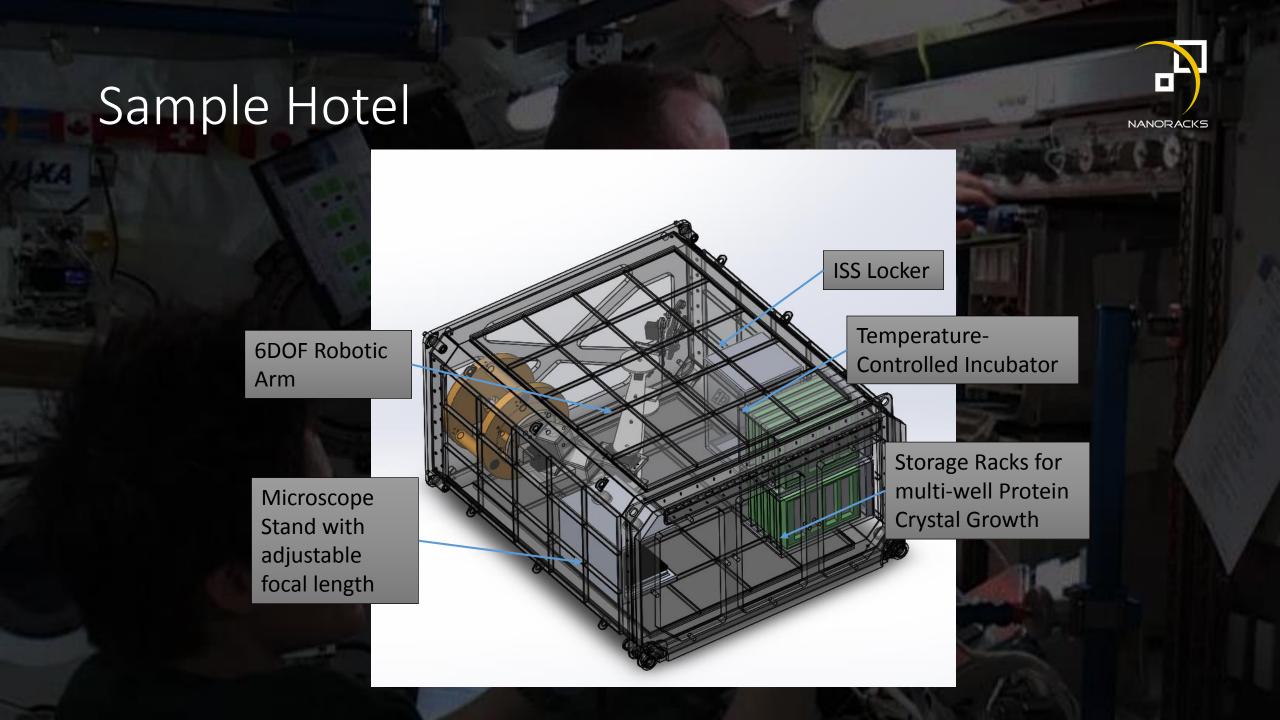




#### NanoRacks Microscope-3

- USB Microscope
- 20-240X Magnification
- 5 MP pics/video
- XY Translation Stage
- Holds any low profile microplate
- White or black background





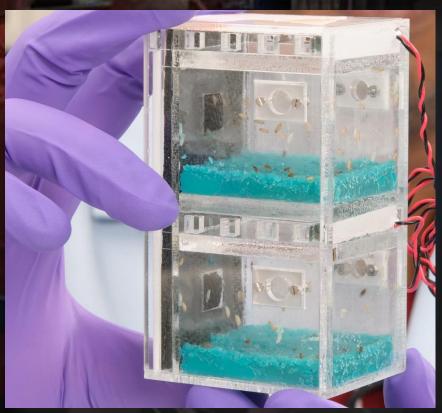


## Science Payloads: Fruit Flies

NANGRACKE

AFEx, SpaceX CRS-4





#### Science Payloads- Fruit Flies

NANORACKS

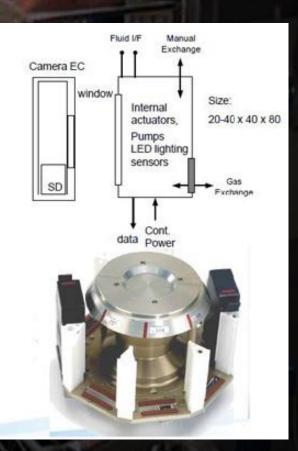
Fruit Fly Lab-1, SpaceX CRS-5











### Science Payloads: Project MERCCURI/SciCheer





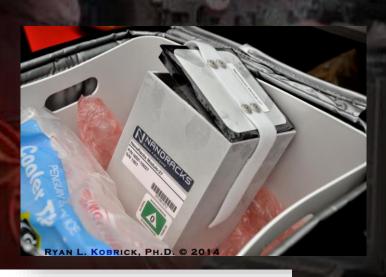






# Science Payloads: Project MERCCURI/SciCheer





#### **Best Sprint**

