WFIRST-2.4 will:

- Characterize the spectra of over a dozen radial velocity planets.
- Discover and characterize up to a dozen more ice and gas giants.
- Provide crucial information on the physics of planetary atmospheres and clues to planet formation.
- Measure the amount and distribution of circumstellar dust.
- Measure the large scale structure of disks, revealing the presence of asteroid belts and gaps due to unseen planets.
- Measure the size and distribution of dust grains.
- Respond to decadal survey to mature coronagraph technologies, leading to first images of a nearby Earth.