



2013 HOPE Selection Summary



Radiation Dosimetry Experiment (RaD-X)- Public and private entities currently use NASA's Nowcast of Atmospheric Ionizing Radiation for Aviation Safety (NAIRAS) model for informed decision-making about radiation exposure safety to flight crews, the general public, and commercial space operations. *RaD-X* will improve NAIRAS by obtaining data to perform verification and validation activities enhancing this vital capability. The project will also strengthen microsatellite development at LaRC. The flight will validate lower cost sensors for future missions and will provide data to improve the health and safety of all future commercial and military aircrews that transit the poles.

- Kevin Daugherty (LaRC) – Project Manager
- Chris Mertens (LaRC) – Principal Investigator
- Erica Alston (LaRC) – Project Scientist
- Trevor Grondin (LaRC) – Project System Engineer

