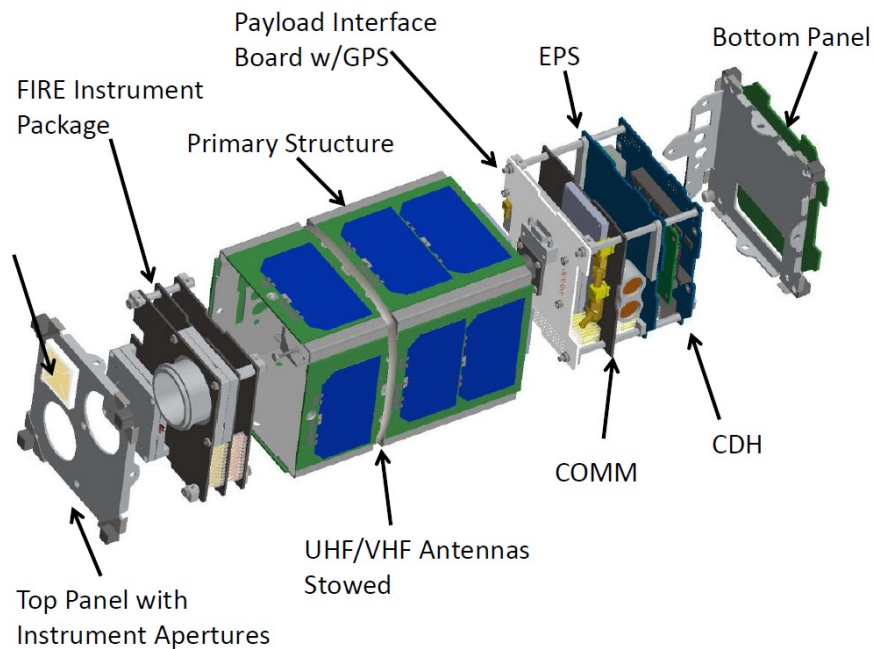


FIREBIRD

Montana State University – 1.5U CubeSat (Qty 2)



FIREBIRD Expanded View

FIREBIRD, which stands for Focused Investigations of Relativistic Electron Burst, Intensity, Range, and Dynamics, is funded by the National Science Foundation.

The mission is a targeted, goal-directed, space weather Cubesat mission to resolve the spatial scale size and energy dependence of electron microbursts in the Van Allen radiation belts. FIREBIRD's unique two-point, focused observations at low altitudes fully exploit the capabilities of the Cubesat platform.

FIREBIRD utilizes a UHF communication system which is necessary to uplink commands and downlink data containing spacecraft health as well as payload test results.