

# ChargerSat-1

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On September 17, 2013, the University of Alabama in Huntsville ChargerSat-1 mission was granted a License to Operate a Private, Space-Based, Remote Sensing System by the National Oceanic and Atmospheric Administration. ChargerSat-1 is student built, low-earth orbit CubeSat mission. The mission has three primary objectives:

- Improve communications for picosatellite operations
- Demonstrate passive nadir axis stabilization for picosatellite attitude control
- Improve solar power collection for picosatellite operations

The mission incorporates two imaging sensors to support these objectives,

- To inspect the spacecraft, from the prospective of the boom mounted camera, to verify the mechanical deployments fully deployed.
- To image perpendicular to nadir, similar to a horizon sensor, to better understand the stability of the platform.

Each imaging sensor has a The ChargerSat-1 mission is expected to be launched to orbit as a secondary payload in late fall, 2013. Orbit: 500km circular, 40.5 deg inclination

Licensee:

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