Introduction
Work Groups
MI Conferance
CDR Conference
Integration
Launch
Outreach
Media
Members
Links
Contact
Home

SPIRIT II's Integrated Electron Count Reciever Experiment

The IEC receiver experiment consists of three radio receivers on the SPIRIT II rocket payload. Three transmitters will be located as close to the launch site as possible. These transmitters will vertically "launch" three distinct radio frequencies up to the rocket during flight and the rocket recievers will measure their amplitude vs. time. While the rocket is in the ionospheric D & E regions, or from alititudes of 80 km to 120 km, a distinct change in amplitude will occur, and the total electron count at those altitudes may be calculated. This data will be compared to the DC Probe data to form a better picture of the electron density during the rocket's flight path.

This experiment was chosen by John Halenar, the Experiments Team leader until his graduation in May 2001. After Halenar's graduation, the IEC Reciever was headed by Jesse Meyer until his graduation in 2002.

Back to Experiments.