

## Technical Page

Proposal Type: Regular  
 General Category: Terrestrial Aeronomy  
 Observation Category: Ionosphere  
 Total Time Requested: 30 Hours

**Proposal Title:** Incoherent scatter radar measurements of the electron gyroline in the topside ionosphere over Arecibo

*ABSTRACT:*

We propose to expand our knowledge of the the plasma physics behind the electron or gyro resonance line in the ISR backscatter spectrum. In the long term this knowledge will lead to better experimental techniques for studying the topside ionospheric dynamics, composition and temperature.

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I do NOT want to do remote observing.

**Instrument Setup**

430 CH radar

**Atmospheric Optical Instruments:**

**Special Equipment or setup:** none

**RFI Considerations**

**Frequency Ranges Planned**