Proposal Identification No.: T1244 Date Received: 1999-Feb- 4_14:50:32

Technical Page

Proposal Type:	Regular
General Category:	Terrestrial Aeronomy
Sub-Category:	Radar
Observation Category:	Ionospheric
Total Time Requested:	64 Hours

Proposal Title: STORM AND SUBSTORM EFFECTS IN THE IONOSPHERE OVER ARECIBO

ABSTRACT:

The object of this proposal is to use the Arecibo Radar to help understand magnetic activity effects on the tropical ionosphere. Recent Airglow observations have revealed remarkable structures surging poleward over Arecibo and it is crucial to capture more events with full radar and optical coverage. The study is teamed with the Floating World Day in October and, due to their common goals, forms an ideal observing partnership.

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Service Observing Request

- [X] None
- [ ] All of the observing run.
- [ ] Part of the observing run.
- [ ] Queue Observing

Remot e Observing Request

- [X] No
- [ ] Maybe
- [ ] Yes

Instrument Setup

430 MHz Gregorian

Atmospheric Observation Instruments:

Photometer Fabry-Perot Ionosonde

Description of Observer Equipment: Airglow Imager

Special Equipment or setup: Special setup: Software needs: Media needs:

RFI Considerations

Frequency Ranges Planned

see proposal