Proposal Identification No.: T1011 Date Received: 1997-Jan-20_12:20:32

Technical Page

Proposal Type:	Long Term
General Category:	Terrestrial Aeronomy
Sub-Category:	Optical
Observation Category:	Thermospheric
Total Time Requested:	~538 hr/year Hours

Proposal Title: Coordinated Incoherent Scatter Radar and Optical Observations during the World Days during 1997-98

ABSTRACT:

This is a cooperative effort among all the incoherent scatter radar and optical sites worldwide to investigate the structure, dynamics and compositions of the upper atmosphere. The ISR and optical facilities at Arecibo will be used to measure and derive various atmospheric and ionospheric parameters, such as, electron density, ion and electron temperature, plasma drift velocity, and neutral wind velocity. The data will be available to investigators from all over the world.

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Service Observing Request

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

Remot e Observing Request

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

Instrument Setup

430MHz Gregorian 430 MHz CH receiver

Atmospheric Observation Instruments:

Photometer Spectrometer Fabry-Perot Ionosonde Lidar

Description of Observer Equipment: none

Special Equipment or setup: Special setup: none Software needs: none Media needs: standard

RFI Considerations

Frequency Ranges Planned

see proposal