

Technical Page

Proposal Type: Regular
 General Category: Terrestrial Aeronomy
 Sub-Category: Optical
 Observation Category: Ionospheric
 Total Time Requested: 48 hours Hours

Proposal Title: Mesoscale electric fields and plasma instabilities associated with zonally propagating TID's

ABSTRACT:

We wish to determine the electric field associated with mesoscale airglow bands known to occur via Arecibo. This is part of the CEDAR-CARMEN project. The winter (November) campaign will use dual beam capability if it is available. A coherent scatter radar will look for small scale structure in these bands.

Name	Institution	E-mail	Phone	Student
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Service Observing Request

Remote Observing Request

- | | | | |
|-------------------------------------|----------------------------|-------------------------------------|-------|
| <input checked="" type="checkbox"/> | None | <input checked="" type="checkbox"/> | No |
| <input type="checkbox"/> | All of the observing run. | <input type="checkbox"/> | Maybe |
| <input type="checkbox"/> | Part of the observing run. | <input type="checkbox"/> | Yes |
| <input type="checkbox"/> | Queue Observing | | |

Instrument Setup

430MHz Gregorian 430 MHz CH receiver

Atmospheric Observation Instruments:

Photometer Fabry-Perot Ionosonde

Description of Observer Equipment: Imager; CUPRI Radar

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

RFI Considerations

Frequency Ranges Planned

see proposal