

## Technical Page

Proposal Type: Short  
 General Category: Terrestrial Aeronomy  
 Sub-Category: Radar  
 Observation Category: Middle-lower atmosphere  
 Total Time Requested: 52 Hours

**Proposal Title:** Calibration of MF radar winds with the Arecibo 430 MHz radar

**ABSTRACT:**

The MF radar located at Aquadilla is now poised to take winds data on a continuous basis. To ensure data integrity, we request two 2-day periods of ISR operation to verify whether the MF radar is truly measuring winds. The first period does not require pointing capability as long as the 430 MHz linefeed is off zenith by more than 10 degrees. During the second period, pointing capability is desired to verify the vector winds. This is a resubmitted proposal. Observing time was granted by the ATAC but the Observatory has not been able to schedule any time.

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**Service Observing Request**

**Remote Observing Request**

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

**Instrument Setup**

430 MHz CH receiver

**Atmospheric Observation Instruments:**

Ionosonde

**Description of Observer Equipment:**

**Special Equipment or setup:** Special setup: Software needs: Media needs: 8mm tape

**RFI Considerations**

**Frequency Ranges Planned**

see proposal