Technical Page

This proposal has not been submitted before.

Proposal Type:	Urgent
General Category:	Astronomy
Observation Category:	Solar System
Total Time Requested:	14 Hours
Minimum Useful Time:	2h

Proposal Title: HF radar –Receiver first pilot

ABSTRACT:

We have been talking about the idea of building an HF radar to perform solar observations. The HF transmits and we are starting to make some changes to implement the receiver part. The objective of this proposal is to measure the Solar noise during a solar minimum. The data is crucial to design filters, amplifiers and other components. We are asking for HF time when the radio telescope id off and other RF interference is minimized, like maintenance drills. We need to record the signals obtained by the HF when the Sun is directly overhead the dish because the Hf beam can not track. The following Sun overhead pass is between June 30th to August 2nd.

Name	Institution	E-mail	Phone	Student
Eliana Nossa	Arecibo Observatorio	enossa@naic.edu	787878612	no

Remote Observing Request

- [X] Observer will travel to AO
- [ ] Remote Observing
- [ ] In Absentia (instructions to operator)

Instrument Setup

Atmospheric Observation Instruments:

Special Equipment or setup: Just the HF Facility will be used.

RFI Considerations

Frequency Ranges Planned