Technical Page

Proposal Type: Regular
General Category: Astronomy
Sub-Category: Continuum
Observation Category: Galactic
Total Time Requested: 14.8 Hours

Proposal Title: TESTING TECHNIQUES AND OBSERVING MODES FOR GALFA 21-CM LINE MAPPING

ABSTRACT:

The purpose of this proposal is to explore the instrumental effects and develop techniques and observing modes to minimize their influence. We will investigate origins of baseline ripple by making zenith angle scans at night and day. We will investigate extended sidelobes of 3C273. We will compare two mapping techniques, the "baskeweave" and the "typewriter".

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
</tr>
</thead>
<tbody>
<tr>
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<td>510 642 4510</td>
<td>no</td>
</tr>
</tbody>
</table>

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

L-wide

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned