



RFI Memo Series  
Memo #151

<b>PREPARED BY</b>	<b>ORGANIZATION</b>	<b>DATE</b>
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# I INTRODUCTION & PURPOSE

RFI (radio frequency interference) monitoring and mitigation have been significant issues for radio observatories since the first radio telescopes were deployed around the globe in significant numbers starting in the 1950s. With the advent of ever more sources of RFI from the ground and in space, these issues (and the need to study and understand them from the perspective of radio astronomy) will only grow in the coming years. The purpose of this memo series is to serve as a single cross-referenced memo database for all memos that have content related to RFI work.

Existing memos with RFI-related content are included in this new memo series, and there are 122 previous memos included in the current series, extending back to the 1960s. In addition, there are a number of memos related to site selection for various telescopes and these provide interesting insight into the RFI environment 40 to 50 years ago at a number of locations.

## 2 REQUIREMENTS

Below are the minimal requirements to be included in the RFI Memo series. While some memos will only be part of the RFI Memo series, crosslisting where appropriate is encouraged. If you want your memo to be part of the RFI Memo series, or crosslisted with it, simply indicate that preference when submitting your Memo to the NRAO Library.

### 2.1 Formatting

There are no extensive formatting requirements for RFI memos (especially since the majority of the cross-referenced, and historical memos do not share a common format). However, it is important that every memo contain at least the following:

1. Memo title
2. Memo publication date
3. RFI Memo number (to be assigned by the NRAO librarian)
4. Other Memo Series number (if relevant)<sup>1</sup>
5. Author name(s)
6. Author location(s) (e.g. NRAO-CV, GBO, ALMA)
7. Brief Memo Abstract (optional)
8. Body of text, organized appropriately
9. Appropriate references

### 2.2 Refereeing

No refereeing is required for these memos. Like other memo series, the RFI Memo series relies on the careful self-editing of authors. However, we strongly encourage authors to have at least one other colleague read through any Memo before submission.

### 2.3 Memo Numbering and Cross Referencing

This memo is numbered #151 (instead of #1) so that this series can accommodate existing RFI-related memos. A thorough search of the Memo database identified 122 memos with content related to RFI work,

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<sup>1</sup> Some Memos might be written specifically for this memo series, others may be cross referenced. For example, ngVLA Memo 109 will also be RFI Memo 122; EVLA Memo 222 and 223 are RFI Memos 120 and 121.

and these memos will be given RFI Memo numbers from 1-122 according to their publication dates. Memos with RFI-related content were published at both the VLA and GBO, but the ordering of previous memos is simply chronological, and not arranged by topic or location.

### **3 CONCLUSIONS**

We hope that this memo series will be both a useful database of all existing RFI-related memos from all other memo series, as well as a repository for new work in this area.