

National Radio Astronomy Observatory
Tucson, Arizona
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MEMORANDUM

To: D. T. Emerson and J. M. Payne

From: P. R. Jewell *PRJ*

Subject: Pointing Projects

Given the evident poor pointing and the continued complaints from observers, we need to review our program to improve 12 m pointing. We should assess our progress on projects initiated last year and identify the new projects we want to start this year. Perhaps we should take a step back and reassess our whole plan of attack, both in terms of individual projects and in the allocation of resources to this program.

As a brief reminder, I have listed below the pointing projects we started last year and the ones proposed for this year. Most of these projects have been described in more detail previously.

I. Pointing Projects Started in 1988 (or before)

1. Optical telescope
2. Feed leg insulation and air circulation
3. Improved data analysis and display
4. Laser quadrant detector
5. Weather Station
6. Temperature Sensors

II. New Projects Proposed for 1989

1. Enhanced optical telescope and data acquisition
2. Inclometers for the elevation yoke
3. Independent system for measuring encoder zero offsets
4. New Sterling Mount with X and Y translation, servoed to quadrant detector
5. Additional systems to measure structural shifts (?)