

Interoffice

National Radio Astronomy Observatory

Green Bank, West Virginia

ADDITIONAL BASELINE TO INTERFEROMETER

MEMO NO.

187

To: Monterville Project Group

March 2, 1983

From: R. K. Moore

Subject: Monterville Progress Meeting - February 28, 1983

A meeting was held at 11:00 am, 28 February, to review the progress of the Monterville Project. The following were in attendance at Green Bank: R. Fisher, J. Gibb, D. Hovatter, R. Weimer, L. Howell, B. Peery, J. Ralston, J. Coe, S. Smith, R. Fleming, R. Lacasse, F. Crews, and R. Moore. With us at Green Bank were B. Klepczynski and K. Winkler, US Naval Observatory. In Charlottesville were B. Meredith, J. Marymor, and H. Hvatum. R. Fisher had called a meeting to review progress report and schedule.

Contract. B. Peery reported that the antenna erection was complete. The only item remaining is painting. TIW has negotiated for a contractor to accomplish this when the weather permits. It was indicated that cabling will get underway soon. All funds are being released to TIW except for a sufficient amount to cover painting. NRAO is pleased with the contract and the contractor. Four (4) panels were somewhat damaged and they are being replaced and will be received soon. Green Bank will install and adjust the panels.

Site(s). S. Smith indicated that the sites were complete except for erection of the link tower at the interferometer control building. A concrete pad will need to be poured to accommodate the tower as soon as weather permits. Tower should be up by 1 June.

Link Design and Contract. J. Coe indicated that the link is progressing satisfactorily and the path loss has been measured and found acceptable (reference Memo 185). J. Coe commended the personnel who had to do with location and installation of the reflectors. It was indicated that the design of the link is 90% complete and the control building hardware design is 60% complete.

Telescopes RF Electronics Including Backend. J. Coe indicated that this is nearly complete. At the present time it looks like about six (6) weeks of down time for the Brushy Mountain 45' in order to couple and adjust electronics between the two telescopes. B. Klepczynski said that July to August would be great but J. Coe said it may be September. J. Coe will see what can be done about getting the Monterville baseline completed before the 45' is shut down.

Computer Programming. B. Meredith indicated that he had recent conversations with G. Conant who is now scheduled to be in Green Bank late March or early April to commence computer programming. It was stated, if possible, that software program should be ready for testing by late August. USNO will plan to have a representative here when G. Conant is in progress with his programming to provide interface and discussion of the package.

Telescope Control Systems. F. Crews indicated that he would try and have final specifications on motors, control, etc. by early March. At the present time it appears that the system would be a mirror of what we have at the 45 foot. Inductosyns are essentially complete and ready to be installed. Drawings for the brackets to attach the inductosyn have been completed by Engineering and ready to go into the Shop. Ron Weimer will review the 45' control logic before settling same for the 14.2 meter.

Telescope Accessories. L. Howell reported that accessories are in good shape. Interface design looks ok. B. Peery will try and arrange to monitor commercial power voltage stability at the Monterville site.

Property Control and Accountability. D. Hovatter indicated no problems were known to him this area. Operating expenses for the new truck will be included in a modification of the continuing operating expenses. J. Marymor indicated that funds for the second quarter fiscal year 1983 were in the process of being transferred from the Navy to NSF. No funds for 1983 have yet been transferred to AUI.

Schedule. R. Fisher reviewed the latest schedule and discussed critical items on the schedule. Some changes were made, particularly in the link activities which could possibly cause some slippage. Fisher and Coe will have future discussions on these items and will finalize a new schedule in the near future. B. Klepczynski expressed a preference for bringing the Monterville baseline up before modifying the Huntersville system to minimize the time when no data is provided to the USNO even if the overall schedule for getting both long baselines operational suffers somewhat. He confirmed the agreement to provide a series of 6 hour periods in the coming months for G. Conant to have exclusive use of the DDP 116 computer for software trials.

Meeting ended at 12:00 and R. Fisher announced that the next meeting will be held 2 months hence.

APPROVED:

---

J. R. Fisher

RKM/baw