

Peery

VLBA CC Memo No. 55

NATIONAL RADIO ASTRONOMY OBSERVATORY

Charlottesville, Virginia

1985 May 3

To: Coordinating Committee
From: P. Sebring
Subj.: Notes, CC Meeting, date

Participants

NRAO/CV: D'Addario, Cotton, Romney, Burns, Thompson, Sebring, Hvatum, Porter
NRAO/GB: Kellermann
NRAO/VL: Napier, Bignell, Clark
Caltech: Ewing, Fort, Walker, others?
Haystack: Rogers

1. Action List

1.1. Spec Mon database & Corr interface. Jon has written up his ideas on what's needed, for circulation and comment. He is still researching commercial availabilities. Will circulate memo on these shortly.

1.2. 2-16 GHz synthesizer breadboard tests. Dick T. reports progress slower than Bob Mauzy had hoped. Requested new completion date of 85 May 31.

1.3. Cost est. of DAS/DPS proto. & prod. Alan R. says some surprise increases in cost are developing. He is preparing a statement. New date, 85 May 10.

1.4. How should TP/gain cal be done. Larry D. has written a memo recommending we rely on stability of electronics and keep track of gain settings. Review by next week. New date, 85 May 10.

1.5. Where do phase cal detectors go. Not done yet. Larry says next week. 85 May 10.

1.6. Electronics packaging standards. Dick T. asked for new date of 85 May 31.

1.7. Select Hawaii site. Buck P. not in meeting. It is planned that Dr. Vanden Bout will confer with Dr. Don Hall at the NSF/AAC meeting in Tucson this coming week about a tentative site at 11,800 ft. within the Mauna Kea Science Reserve. C. Walker commented that Dave Hogg's report does not show that a site this high is necessary. Further discussion of this was deferred to meeting of 85 May 10.

1.8. Decide Pulsar Gate implementation. From his comments, Alan R. apparently agrees with the recommendation in the recent Caltech Architectural Design report. Conclusion will be formalized as part of the review of this report. Done.

1.9. Mon/Contr Standard Interface spec. Barry C. said this would be available in a day or two. Larry said ESI, the antenna servo subcontractor, is anxious to obtain info in this area. 85 May 10.

1.10. Eval Ant Pol'n Performance. Peter N. says JPL still has not started this, but hopes the work will begin next week. Only a few days will be required, once computing starts.

1.11. Decide on Use of AT Chip. Hein reports replies to the telex requesting cost and availability against a 16-18 MHz spec have been received and are being circulated via VAX. Peter said the cost will now be \$70-\$90 (US) each - about twice the earlier estimate. CSIRO suggests that if interest continues, Marty should work directly with Austech, the manufacturer. Marty says he will comment further next week after he has seen the replies to the telex.

1.12. Pie Town Schedule. I reported that subnets are being prepared from data obtained during last week's discussions at the VLA, and will be integrated into the schedule prepared using the Time Line program. Since the schedule is a dynamic item, I suggested that it would be more appropriate to have it as an agenda item, rather than an item on the Action List, since it will never be "done". Peter felt that the first complete schedule should have a due date, however, since it is needed for planning. I agreed. New date, 85 May 17.

(I have asked that Hein arrange for Peter to have a copy of Time Line so that we can exchange versions of the Gantt charts without waiting for the U.S. Mule.)

1.13. Los Alamos Land Proposal to NSF. Buck not at meeting. A written document specifying the alternate site (away from the radars, but in sight of Sandia) will be started next week.

1.14. Decision on F.E. - M/C Scheme. Done. See Electronics Memos 41, 42, 43, 44 for background.

1.15. Addn'l. Los Alamos RFI. Peter reports this complete.

1.16. Decide Op. Interface implementation. Barry reports working on it, though not sure what it means.

1.17. Review Corr Design and Costs. Larry reminded all that the June 15 date on this item depends on Caltech completing the cost estimates by June 1, as shown on the Action List. Marty said that their contract calls for cost estimates later than June 1, but they are shooting for June 1 anyway.

2. Proposed New Action List items.

2.1. Distribution of Manpower Plan. Bill Porter proposes 85 May 7 for this.

2.2. Comments on Manpower Plan. Due in a week, with discussion at CC meeting 85 May 17.

2.3. H-Maser RFP prepared. Dick T. proposes 85 May 24 for completion of this.

2.4. Antenna Cable plan. Peter will provide specific action items on this subject.

2.5. Decide Location of System Tests. Peter's proposal to assemble all of the non-antenna Station 1 equipment at an active station such as VLA or Green Bank, for 8-10 weeks of integrated system tests prior to shipment to Pie Town, was unanimously accepted. Choose location by July 1.

3. "As the NSF Turns"

Hein reported that Dr. Bloch will release our 85 funds on May 15, as promised. No news on 86 funding.

4. Meeting Schedule.

Carolyn is making up a schedule for meetings for the second half of this year. It is proposed to move the CC meetings from Friday to Monday beginning July 1. Caltech is concerned because the room they use is scheduled for classes at certain times on Mondays. Will discuss further before that time.