

Peery
2/28/85
y.m.b.

VLBA CC Memo No. 47

NATIONAL RADIO ASTRONOMY OBSERVATORY

Charlottesville, Virginia

1985 February 22

To: Coordinating Committee
From: Paul Sebring
Subject: Notes from CC Meeting, this date

Participants

NRAD - CV Hvatum (Chan), Thompson, D'Addario, Benson, Burns, Romney,
Porter, Sebring

- GB Kellermann, Peery

- SOC Horne

- VLA Napier, Walker, Bignell, Clark

Haystack Rogers the Elder, Rogers the Younger

Caltech Ewing, Seling, Fort, Pearson, Readhead(?)

1. Action List

1.1. Spec details corr output. Benson says ready next week.

1.2. Prop. software standards. Craig says Barry is working on a document which should be done on time (1 Mar).

1.3. Evaluate antenna polarization performance. Peter thinks this job may be beyond them with the program they have. He thinks JPL may be able to help. No discussion of a new date.

1.4. Decide on use of AT chip (in correl). Marty hopes to have engineering data from Australia next week. Such data could support a negative decision at that time. Otherwise, the result may be a "maybe", with further study required. Review situation next week. Peter says he'll be "down under" soon, and could perhaps obtain some cost data for Marty, if needed.

1.5. Choose microcomputer development systems. Rogers reports Jim Levine would prefer not to buy a Motorola system, but to stay with the H-P system they have, and buy an emulator for the 68000 (@\$10K). He has prepared a memo which he will put into computer mail at once. Barry says he'll read it with interest, and will probably go along with the idea.

1.6. Calculate interference tolerances. Dick says he will meet the Mar 1 date for this.

1.7. Mon/Contr interface spec. Barry expects to meet Mar 7 date.

1.8. RFI measts. @ Ft. Davis. Should start on sched, Mar 7.

Hein asked if there were any Action List items not understood. Apparently not.

Peter asked about the item concerning the schedule for the first Station. Hein said he forgot to put it on last week, but will do so. (I already fear it may be late. I need to generate a more realistic budget plan first. And I must be away several days the week of March 4. A note will be in the VAX shortly requesting info from several of you. - PBS).

2. Other Items.

Craig is very concerned that we soon assess the RFI situation at the possible sites in Hawaii and Puerto Rico, because of the large amount of work that will need to be done should either or both of these locations prove to have serious problems.

Then followed a great deal of discussion concerning whether the Green Bank RF measurement vehicle could be sent to North Carolina to measure fields from the VOA transmitters there, whether the RFI trailer we're now using out West should be sent to Hawaii, whether a lot can be done by computation, etc.

Hein asked Buck to make a short summary of the current RFI assessment situation at all sites. He asked Dick Thompson to consider with Bill Brundage how we should approach an assessment of the VOA transmitter problem.

Alan R. reported he is working on a memo concerning Pulsar support modes. A draft should be available next week.

Marty is pleased with their new DEC NET installation.

NOTE: Hein revised the Action List after the meeting. A copy is appended hereto.

c50222.wp

22-Feb-85

KEY: + New Item
* Complete

Action Item	Orig date	Due date	By
Spec details corr output	01-Jan-85	01-Mar-85	Benson
Propose software standards	11-Jan-85	01-Mar-85	Clk/Ewg/Rgs/Wk
Eval ant polarization performance	01-Feb-85	01-Mar-85	Napier
Choose microcomputer devel systems	01-Mar-85	01-Mar-85	Rogers/Ewg/Clk
Decide on use of AT chip	01-Mar-85	01-Mar-85	Ewing
Calculate interference tolerances	01-Mar-85	01-Mar-85	Thompson
MC Standard Interface Spec.	22-Jun-84	07-Mar-85	Clark
RFI Ft Davis Start	15-Feb-85	07-Mar-85	Napier
Spec M/C/Corr lang. & OS	01-Aug-84	15-Mar-85	Clark/Ewing
Servo/MC interface	15-Jan-85	15-Mar-85	Horne
+Pie Town Schedule	15-Mar-85	15-Mar-85	Sebring
RFI Ft Davis Complete	29-Mar-85	29-Mar-85	Napier
2-16 GHz bbrd tests complete	01-Mar-85	01-Apr-85	Thompson
Decide corr Mflops for calibration	01-Apr-85	01-Apr-85	Ewing
Decide op interface implementation	01-Apr-85	01-Apr-85	Clark
Los Alamos land proposal	01-Apr-85	01-Apr-85	Buck
RFI Iowa (2 sites) Start	26-Apr-85	26-Apr-85	Napier
Spec Mon database & Corr interface	01-Jan-85	01-May-85	Romney
How should TP/gain cal be done?	01-May-85	01-May-85	D'Addario
Where do phase cal detectors go?	01-May-85	01-May-85	D'Addario
Select Hawaii site	01-May-85	01-May-85	Buck
Electronics packaging standards	01-May-85	01-May-85	Thompson
RFI Iowa (2 sites) Complete	28-May-85	28-May-85	Napier
Propose DPS-Cor interface spec	01-Jul-85	01-Jul-85	Rogers/Ewing
AOC design concept discussion	15-Jul-84	01-Sep-85	Buck
Contract NMIMT	15-Jan-85	01-Sep-85	Porter
AOC Design Concept Complete	01-Jun-85	01-Dec-85	Buck
Antenna test controller	15-Mar-85	15-Mar-86	Clark
Feed Cone Delivery	15-May-86	15-May-86	Horne
Antenna Power Available (P.T.)	01-Jul-86	01-Jul-86	Peery
Start Assembly Antenna 1	15-Oct-85	15-Aug-86	Horne
Focusing Feed Mount Delivrd (P.T.)	15-Sep-86	15-Sep-86	Horne
Focusing Fd Mt Ctrl Wiring (P.T.)	15-Oct-86	15-Oct-86	Horne
Cmd Source-Servo(ACTU, Comp.) (P.T.)	15-Oct-86	15-Oct-86	Horne
Suppt Tube, Subrefl Inst (RSi) (P.T.)	01-Nov-86	01-Nov-86	Horne
Focusing Fd Mt Inst (RSi) (P.T.)	01-Nov-86	01-Nov-86	Horne
Feed Cone Inst (RSi) (P.T.)	15-Nov-86	15-Nov-86	Horne
Antenna 1 Acceptance	15-Feb-86	01-Dec-86	Horne
Cryogenic Platform Inst (P.T.)	01-Jan-87	01-Jan-87	Horne
Cables Inst-Focusing Fd Mt (P.T.)	10-Jan-87	10-Jan-87	Horne
Elec Junction Boxes Inst (P.T.)	15-Jan-87	15-Jan-87	Horne
Pltfrms&Strwys Inst-Vertx Rm (P.T.)	30-Jan-87	30-Jan-87	Horne
Cryogenics&Piping Inst (P.T.)	30-Jan-87	30-Jan-87	Horne
VLBA Dedication	10-Oct-90	10-Oct-90	

Items from Socorro meeting without dates:

Decide pulsar support modes
Decide various station locations

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Walker