VLBA CC Memo No. 22

# DESIGN REVIEW MEETING: PRELIMINARY AGENDA

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84/01/10

The first comprehensive technical design review of the VLBA project is scheduled for January 31 and February 1, 1984 in Charlottesville. The following draft agenda is our current thinking on the assignment of time and people to specific topics. Suggestions for additional topics should be communicated to one of us as soon as possible.

The objectives of the meeting are: (1) to bring everyone up to date on the current designs of all subsystems; (2) to allow a chance for criticism of the designs; and (3) to ensure that the interfaces between subsystems are identified, to see to it that those which are not yet specified are being worked on, and to begin discussion of some of the details of these interfaces; and (4) to review the schedule of the project in the light of the latest budgetary information.

For each item in the agenda, half of the allotted time will be for a presentation by a representative of the appropriate working group, and the other half will be for discussion. The person whose name is given with each topic is expected to either give the presentation himself or find an appropriate person or persons to do so.

# AGENDA FOR DESIGN REVIEW MEETING

January 31 and February 1, 1984

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|---|---|---|---|---|
| 1. | General gameplan (15,15,15,15) | 10 min | Hvatum | |
| 2. | Array configuration<br>- The current 10-antenna array<br>- Options and additions for the VLBA<br>- The VLA connection<br>- The Canadian connection<br>- Other connections (?) | 30 min | Walker | |
| 3. | Site development and buildings<br>- General layout of a station<br>- The station control building<br>- The operation center building | 45 min | Peery | Tues AM |
| 4. | Antennas<br>- Description of current design<br>- Anticipated performance parameters | 45 min | Horne | |
| 5. | Receivers<br>- Frequency range<br>- Feeds<br>- Front ends | 45 min | Weinreb | |
| 6. | Local oscillators | 30 min | D'Addario | |
| 7. | I.F. processing<br>- Modes, transmission<br>- Baseband conversion | 30 min | D'Addario , Rogers | Tues PM |
| 8. | Digitization | 45 min | Rogers | |
| 9. | Monitor and control<br>- Bus specification<br>- Standard interface<br>- Communication<br>- Computers/software | 60 min | Clark/Weber/ Sowinski | |
| 10. | Recording and playback | 60 min | Rogers | |
| 11. | Correlator | 60 min | Ewing | Wed AM |
| 12. | Post processing | 45 min | Burns | |
| 13. | Summary, other topics, details | 45 min | | |

14. Project management
    -Project status
    -Schedules
    -Cost estimates — Wed PM
    -Pending contracts
        Antenna
        Sites
        MIT (Data recording)
        CIT (Processor)