

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
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Area Code 617
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18 November 1985

To: VLBA Data Acquisition Group

From: Alan E.E. Rogers

Subject: Minutes of Recorder/Acquisition Group Telecon held 13 November 1985
at 1600 EST

Attendees: Craig Walker - NRAO
Jon Romney - NRAO
Larry D'Addario - NRAO
John Webber - Haystack
Hans Hinteregger - Haystack
Bill Petrachenko - Haystack
Alan Rogers - Haystack

Expansion Paths

The meeting started with a discussion of various expansion paths (VLBA Array Memo #500). After much discussion it was agreed that providing the "slots", wiring, 5 MHz and I.F. distribution, etc., for up to 16 baseband converters is the best method of allowing for expansion in the I.F. processing electronics. With 16 MHz maximum bandwidth per baseband channel this would provide an expansion to 512 MHz. An expansion in the recording capability would be accomplished by adding additional headstacks. At present, two read/write headstacks are planned (one on each recorder) to provide a maximum record capability of 512 Mb/s at double speed. At the next meeting we plan to discuss the modularity of the digitization and formatting electronics.