

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
HAYSTACK OBSERVATORY
WESTFORD, MASSACHUSETTS 01886

25 October 1985

Area Code 617
692-4765

To: VLBA Data Acquisition/Recorder Group

From: Alan E.E. Rogers

Subject: Minutes of VLBA Data Acquisition/Recorder Group Telecon held
23 October 1985 at 1300 EDT

Attendees: Jon Romney - NRAO
Craig Walker - NRAO
Alan Rogers - Haystack
John Webber - Haystack
Bill Petrachenko - Haystack

The station timing interfaces with the DAS was discussed briefly but in the absence of Larry, it was decided that a special meeting of Larry, Barry, Alan, Dick and Jim should be held as soon as possible.

The modes of expansion were discussed and it was unanimously agreed that the proposal of implementing eight baseband converters with slots for eight more represents a good expansion path. The degradation of pulsar de-dispersion, interference avoidance capability and bandwidth synthesis capability were deemed acceptable in the light of the reality of having to reduce costs. The maximum channel bandwidth of 16 MHz was considered acceptable. Alan Rogers pointed out that increasing the channel bandwidth to 32 MHz would significantly increase the cost of the formatters and baseband converters.