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11 September 1984

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TO: Larry D'Addario, VLBA Systems Group

FROM: Alan E.E. Rogers
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SUBJECT: Proposed Recorder Specifications - Revised 11 September 1984

The VLBA recording system shall meet the following specifications on each track played back at the processor, averaged over ten seconds:

- 1) Fraction of bits out of sync but flagged valid $< 10^{-5}$
- 2) Fraction of incorrect bits flagged valid $< 10^{-3}$
(excluding bits out of sync)
- 3) Fraction of bits flagged invalid (guarantees $< 10^{-2}$
< 100 msec dropout duration)

The system shall have sufficient redundancy to ensure that observations can continue for at least 12 hours without maintenance in the event of single failures (i.e., one transport fails).

xc: A. R. Whitney