

JET PROPULSION LAB.
VLBA MEMORANDUM

DEC. 12, 1983

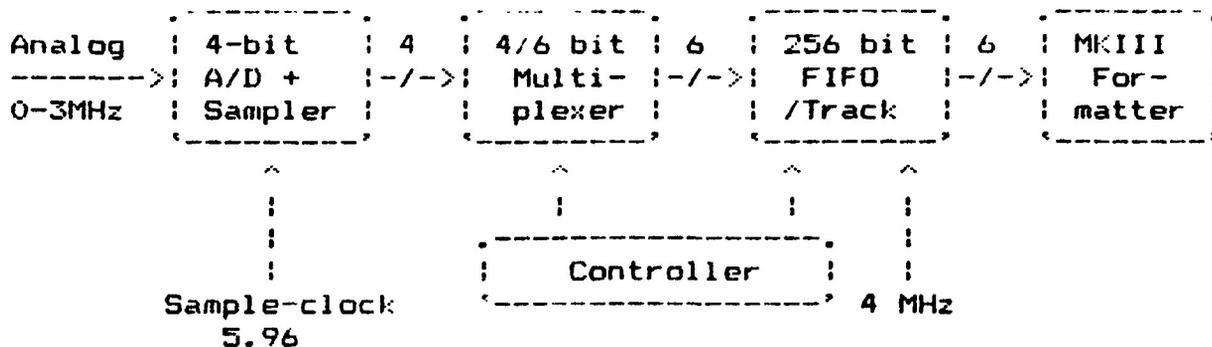
VLBA CORRELATOR MEMO
VC 008

To: M. Ewing

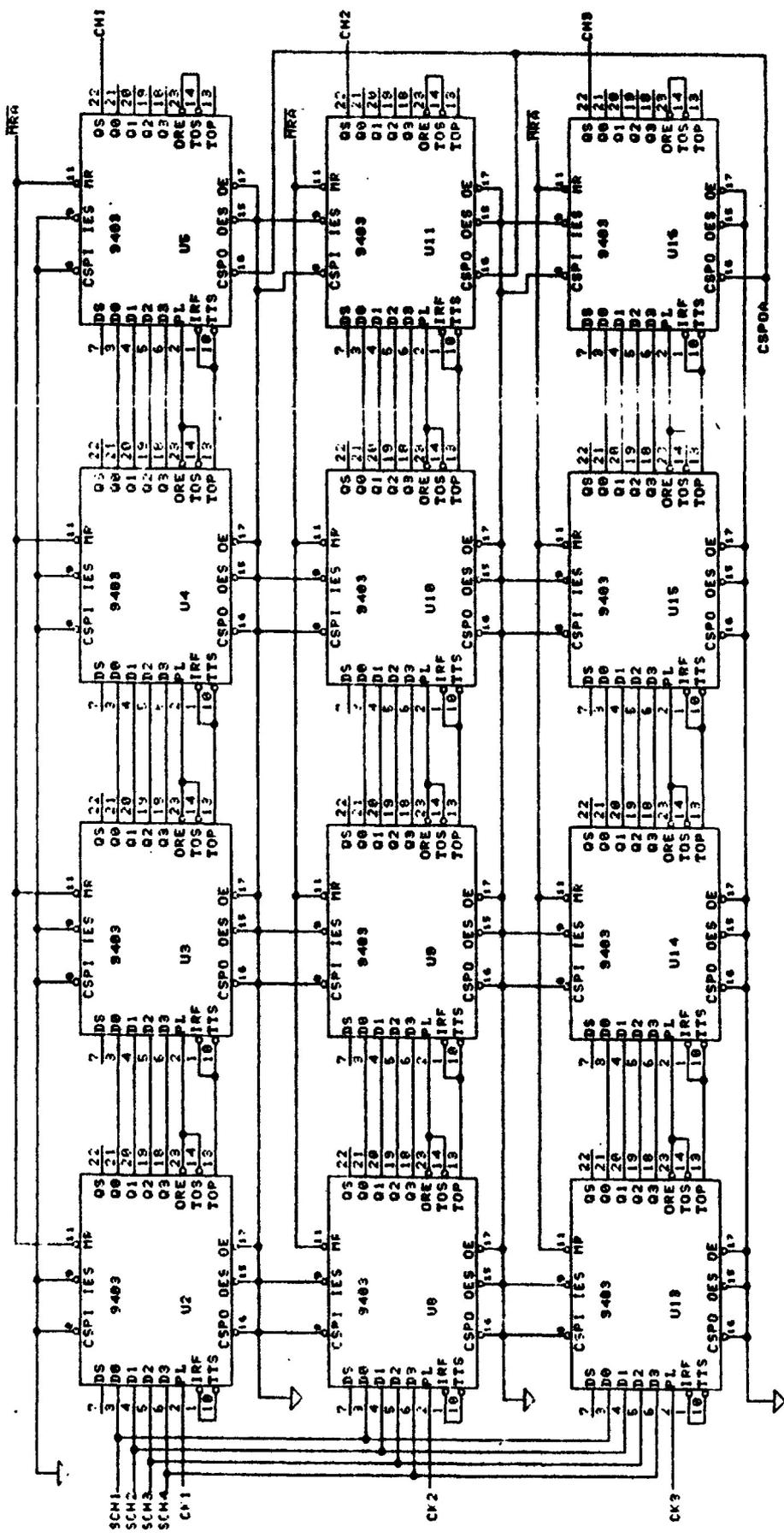
From: B. Rayhrer, Les White

Subject: Recording with/without Data-gaps.

JPL has designed a circuit for recording on a MKIII terminal without data-gaps for recording of telemetry data. This circuit is designed for a 4-bit sampler with a sample-rate of 5.96 MHz. 4 bits are then multiplexed on 6 tracks. FIFO-storage of 256 bits per track is provided for storing data while the MKIII header is written on tape.

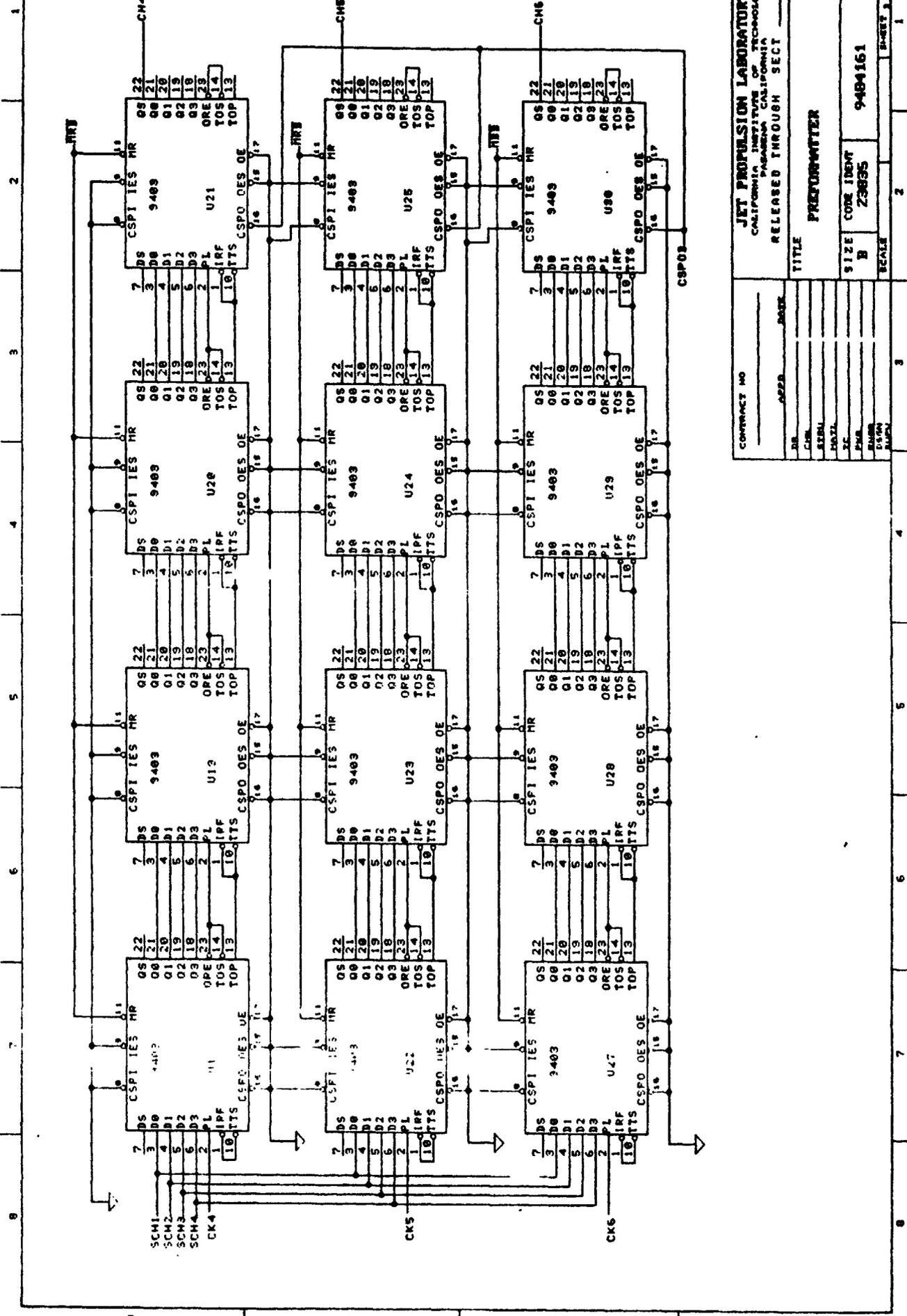


As can be seen from the circuit diagrams, 11 chips per track are needed. The VLBA requires no 4/6-multiplexer and only a 160 bit FIFO simplifying the circuit to only 5 1/2 chips per track.



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