

22 July 1976

MEMORANDUM TO: VLA Optical Processor File  
FROM: R. J. Dallaire *RJD*  
SUBJECT: Generation of Simulated Data on a CRT/Film Recorder

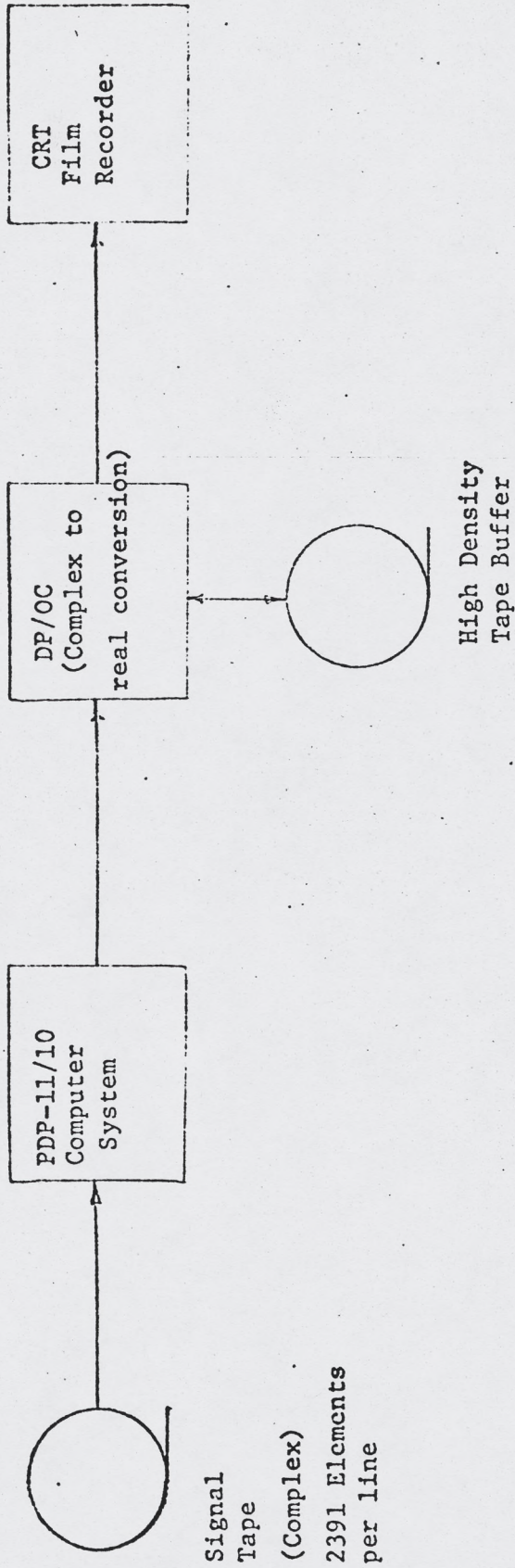
The VLA optical processor requires several sets of unique patterns on film in order to verify its operation, and the test signals can be supplied on computer mag tape from the sponsor (NRAO). The apparatus used to record Delta data on film is proposed to be used for the same function for the VLA project.

The set-up shown in Figure 1 is near ready to be used to record Delta radar data on the cone camera for optical processing. The changes required for the VLA include using a mirror in the cone camera to record the data on a linear film drive (existing hardware) and the addition of an offset frequency to convert the complex data into real data. No other modifications of the data must be made by the DP/OC.

RJD:sd

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Recording the Signal Data on Film