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	DAT	A ACQUISITION EFFORT;
./	I.	At this time
		with solid state receivers
		Note: Underlined sites are Interrogation sites and proposed recepients for the Field Digitizers
	v	All sites are equipped with remote antenna systms and operate from permenant quarters inside buildings not HUTS.
	3	The INTERROGATION Operations has been exceptionally reliable with a great increase in the versatilitydelayed commands now possible allow the payloads to xxxxxxx transpond data from any spot in the world Thusxnedianxinxnxnxnxnxnxnxnxnxnxnxnxnxnxnxnxnxn
	4.	All Interrogation sites to be up-dated for new Frequencies, AZ/EL antennas before October 68 and streamlined in SOP.
	II.	FIELD DIGITIZER has provided:::
		Vastly improved observational accuracy due to Adaptive Thresholder eliminating Amplitude disturbande of time. Time notation applied before recording media. New Receivers have linear Phase response to avoid time errors. System Calibration unit calibrates for instrumental error
		Greatly reduced Processing time at NSA (4 to 5 tapes per hour)
•		Greater accuracy in observation of time information allows
	III	Second Generation Digitizer System xxx  Will accomodate multiple pulse widths complexity  Greatly simplify the backplane wiring at expense of printed circuity  Should allow for growth potential  Calibration signals  More receiver/Pulse width choices.  PWX & SLX experiments.
		Cost \$400 K including SEL 810A computer
	IV.	Computer has:  N-Demonstrated Geographic Location  Location ability from selected data.  Ashown several methods for selecting the b uses error reduction technique for location
	V.	Further deployment of Field Digitizers will impose severe burden:  1. new sites are farther away than thus more difficult to support with spares and personnel.xx  2. Experience has shown the need for great improvement a. Quality control to eliminate errors from getting into A/D conv.
· sec		b. Extreme demands on the environment  1. Airconditioned, humidity controlled space Dust & traffic.  2. Power regulation and outages  3. Cropped of conditions at first made expanding the state.
5		a. 1700 square feet is a minimum with the feet typole.