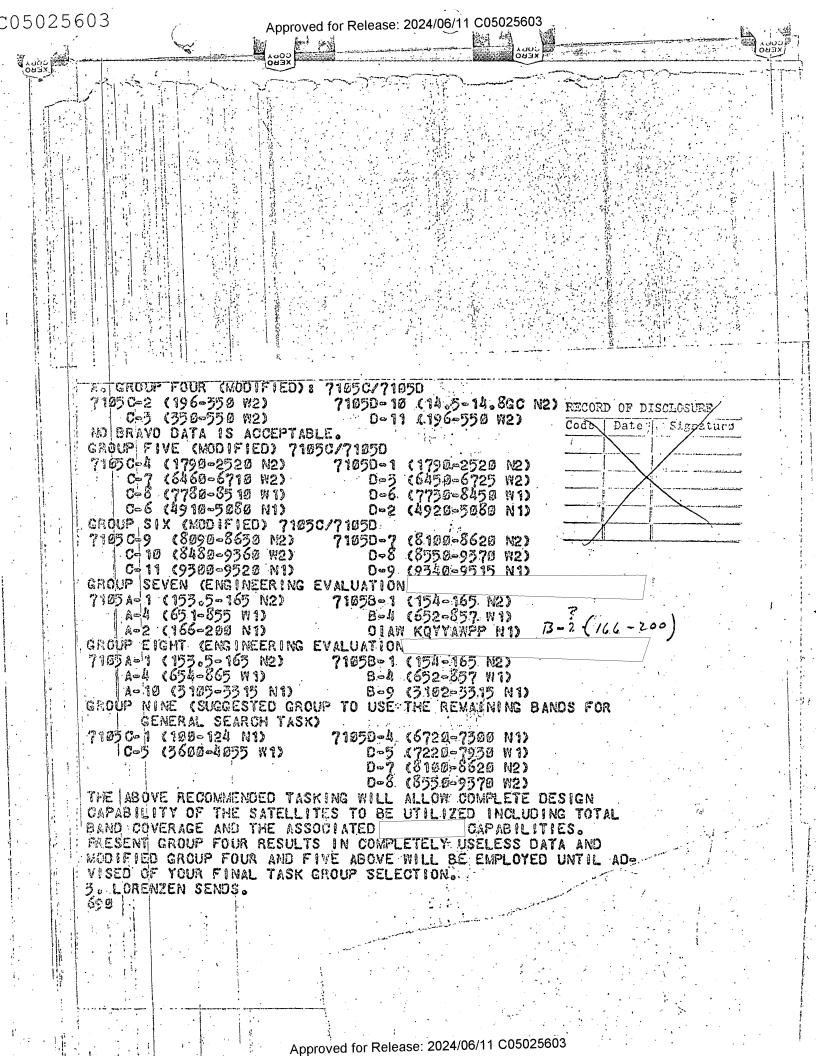
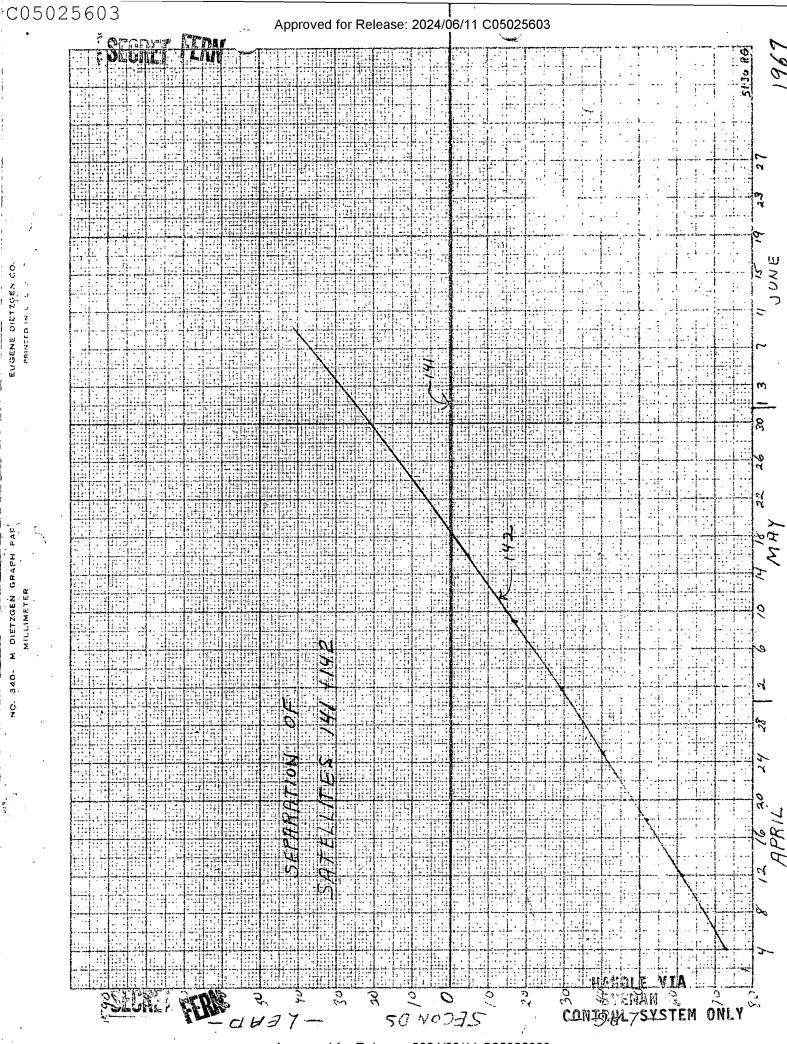
Approved for Release: 2024/06/11 C05025603



C05025603 Approved for Release: 2024/06/11 C05025603 TTOO WERAITUNAL EVALUATION AT 1. More efficient solar cell recharging system used in these SATELLITES HAS RESULTED IN EXTREMELY HIGH BATTERY VOLTAGES AND SEVERAL PROBLEMS & A. IN ORDER TO BRING THE BATTERY VOLTAGES DOWN WITHIN NORMAL LIMITS, WE ARE SETTING THE UNTASKED IN DELAYED TURN-ON MODE SO THAT THEY WILL COME ON 58 MINUTES IN THE DOWNSTREAM, THUS WEARLY DOUBLING THE BATTERY DRAIN WHICH WOULD RESULT FROM OUR TASKING ALONE. B. THE COMMAND SEQUENCE TO EXECUTE THIS DELAYED COMMAND (MODE-2) . IS SOMEWHAT COMPLEX AND HAS ALREADY CAUSED SOME PROCEDURAL PROBLEMS. BELIEVE THESE ARE NOW SLOWLY BEING SOLVED. CO CROSS TALK PROBLEMS HAVE CONTINUED TO APPEAR IN 7185 O AND D AND MAY BE ASSOCIATED WITH THE HIGH VOLTAGE PROBLEM. BOTH THESE SATELLITES HAVE, DURING THE PAST 24 HOURS, SHOWN AN INCREASING TENDENCY TO PICK UP THE CHANNEL BRAVO (TRANSMITTER NR. 1) OUTPUT ON THE 929-1855 MC BAND NR. 12 AND RETRANSMIT IT AS THOUGH IT WERE IN FACT 928-1855MC INTERCEPTS (WIDE PULSES IN CHANNEL CHARLIE). THIS IS NOT AN INSURMOUNTABLE PROBLEM, BUT MAY NECESSITATE TASKING THIS BAND NR. 12 WITHOUT ANY TASKING ON CHANNEL BRAVO CTRANSMITTER NR. 1). ANTICIPATE THAT LOWER BATTERY VOLTAGE MAY ALLEVIATE THIS PROBLEM. DI BAND NR. 3 IN 050 AND BAND NR. 19 IN 050 HAVE SHOWN AN INCREASING OCCUPANCE OF CROSSTALK FROM THE DATA ON TRANSMITTER NR. 3 (CHANNEL leaavo). This may be due to an excessively high Harmonic being RADIATED FROM THIS TRANSMITTER. AS A RESULT OF THE EXCESSIVELY HIGH SATTERY VOLTAGE. 2. DELTA BALL IS STILL INVERTED AS FAR AS WE CAN TELL. NRL IS STUDYING THIS PROBLEM AND MAY HAVE MUCH MORE ACCURATE INFORMATION. AFTER STUDY, NRL WILL DETERMINE THE BEST MANEUVER. 5 NRL HAS EXPERIMENTALLY THRUSTED THE BRAVO BALL AND IS NOW AL COMPUTER EFFORTS STILL BEING CHECKED TO ESTABLISH CORRECT TOPERATIONAL PROCEDURES. NO LOCATIONS YET, HAMPERED SOMEWHAT BY THE ELEVEN HOURS TAKEN FOR MESSAGE OF ORBITAL ELEMENTS TO GET HERE. ALFA/BRAVO ELEMENTS NEEDED AS OFTEN AS POSSIBLE TO RE-ESTABLISH CONFIDENT EPHEMERIS.

Approved for Release: 2024/06/11 C05025603



\_\_Approved for Release: 2024/06/11 C05025603

I. Couple the Engineering Design aspects of an ELINT space program to the Data Analysis effort to:

- A. Get Started early on analysis befor deploying each Mission.
- 8. Provide the Motivation through participation.
- C. Solve problems in both areas more readily.
- II. Technical Review before Program approval
  - A. Cost Effectiveness evaluation.
  - B. Reasonableness of performance claims.
  - C. Analysis evaluation exsential.
- III. Line Organization to tie all members of the Program together.
  - A. Get the Whole-Ball-Of-Wax under a single management
    - 1. eliminates trouble
    - 2. " misunderstandings
    - 3. " parochial special interest areas.
    - 4. 2
- IV; Aperational Goals should be clear and in Depth
  - A. ABM/AES now ....then what next.etc.
  - B. All members of the program should clearly know the goals so efforts are all aimed at same target.
- V: Overseas Sites versus Domestic sites for analysis.
  - A. In any program with Mass Data capability one must weigh the importance of the data before it is routed toward the CONUS, the urgency determines the route and delivery time. In POPPY the A-to-D capability has allowed the development of an on-site computer, with limited capability to weigh this data and perform limited on-site analysis, as well as the original Quality-Control function.
  - B. The Mass of the data can be handled routine if it is evaluated at collection site.
  - C. Training Value of having site personnel perform this weighing functio
- VI: Need for Domestic Billets to retain the highly trained personnel in the program.
- VII: Navy has a general need to allow the officers to participate for several tours in thes Space oriented programs and develop an expertise which is not a dead-end-street, career wise.
  - A. A post graduate curricular specialty should be in space arena.
  - B. Enlisted personnel who specialize in the space collection-programs should be encouraged through salary and other benefits to stay in the service instead of being ciphoned off by the community who wants them because of their senion clearances.
- VIII: Professional recognition for the work of the civilian team is also essential in so far as security will allow.
  - A. Recruitment into this cadre is now being benefitted by the maximum appeal which might be possible.
  - B. Most of us derrive the satisfaction from just being a part of the real Action but this is hard to sell until the restraints of security are lifted.

923 83	a	Pool	of c	las	sified t	alent co	uld be		like	at	NSA
	еу	are	sent	to	various	school <b>s</b>	while	awai <b>ti</b> ng	clearar	nce.	

Approved for Release: 2024/06/11 C05025603