

~~SECRET~~ [redacted] seem to be missing in the DRY RUN 18 Sept 1967.

1. 1500 mile apogee for 7101 represents a significant failure in the launch operation....I think that the AGENA failed to shut down at right time after the first burn and probably continued to burn until it expended all the fuel.
2. The 96 mile perigee for 7102 represents another early failure...the Agena did not re-start so there was no second burn...the very low period caused the orbit to degenerate and payloads spun in after about 45 days.
3. the 18 months between Dyno II and 7101 was filled with a couple of major failures...one at the Cape where we tried to launch the BUCKSHOT with its five or six payloads. and the first BLUE SCOUT.
4. PETE SHOULD MENTION THE LOGIC USED IN DETERMINING THE "TIME OF DAY FOR LAUNCH".
5. .. Indicate the significant tactical merit of using the [redacted] against the targets of highest opportunity, such as [redacted]. The operators and senior Watch Supervisors can turn-on [redacted] when ever the [redacted] is heard....a technique which would be as productive as using the [redacted] band every day for about 10 days each month.
6. We should point out the great versatility possible in deploying the birds against targets in any hemisphere merely by bringing up a data collection capability...Interrogation already exists.
7. The extreme importance of Scan Rate measurement in ~~identifying signals which have the same range of PRF's.~~
8. Address the relative importance of the General Search and the EOB charters for this program....
9. Alert potential now exists with both manual recognition of extremely high priority signals as well as the computerized geographic location sort....How it can be enhanced by officially tasking this capability in support of the other programs, as well as this program.
10. Summary by Pete in support of the AFT rack Payloads where he points out the essentials of his letter on the subject.
11. We must present the strong Case which says " the Present Processing effort should not necessarily limit long range plan for future collector efforts" Present processing system with its new automatic systems are still being streamlined and there has been little attempt to use the priorities established during the initial data digitizing in the field.
12. A very high potential exists for significant ABM disclosures to result from a gross study of the signal signature from a very few locations with high ABM significance. Assume extremely limited exposure of the signal in the past and possible intercept already; How can they be utilized except by a gross long time cumulative study against their significant geographic location identity????
13. PRF DOPPLER can easily be oversold since it takes only one payload and one collection band and field digitization system...but remember only [redacted] lies of emitters are crystal controlled and not all intercept [redacted] tries are amenable to real accurate observations of the signal which are necessary.

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14. [ ] indicated that the feeling for our future was to have us stay out of the frequency where SETTER for instance can do a good job. A rebuttal could be that if they don't want to use our system where they have a SETTER capability today, then wait a few weeks when SETTER is dead and our capability could come in very handy...the important point being our long lifetime and predictable performance. All R-11 platforms are inferior in the following major areas:
- A. they do not continue to look at all latitudes with equal ability but rather, they scan one latitude today and another a week from now.
  - B. The cost figures are fudged to avoid their fair share of booster cost.
  - C. Short lifetime
  - D. significant ground station limitations for use duty cycle.
  - E. Data from these record and Dump systems is difficult and often impossible to reconstruct during analysis due to time domain distortions.
  - F. They are more processing-limited than we are now that NSA has the new machine system working and being streamlined.

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15. Ephemeris improvement is a major battle for STAN and we should let NSA furnish the muscles which are needed to win both ours and theirs. [ ] does not have the answer because I think that Stan and [ ] have tried this out during the first 10 days.
16. What do you think of the possibilities of the NRO sponsoring a letter of appreciation to the team effort during June when the NRLTrans worked out the engineering restraints which now have successfully allowed the use of each and every one of the collection bands in operational use on a regular basis? I think that POOLE and Eisenhower would rank high as the major contributors to this along with HELLRICH.
17. John Poole's departure is set for 6 Oct. There is no use fighting it so what can we do to show how sincerely we have appreciated his great personnel contribution? and his consistent Professional integrity? and competence?

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