

1. %xxmmpxxxm Emphasis on analysis of actual Program rather than on hypothetical therefor use FY 67 as a basis for comparison.base line. Why not use FY 68 as the future instead of FY 69?...because POPPY doesn't fly 7106 until FY 69.

2. 3

#age 2 Is SETTER & FANNION/TRIPOS a firmer basis upon which to extrapolate FY 69 raffar environment???

Pg2 #2. Requirements for EOB not nearly complete enough...Location alone is not engugh. What about Identification without Scan Information...very severe handicap in SETTER and FANNON where main beam periodicity is lost.

Page 3 Current programmed FY67 programs... launched regarding Table #1... No days-7105 will be about 22 Oct

Looks/Day/?frequency band????

(7105 allows 4 bands on at a time...generally 2 for Gen Search and 2 EOB). How wees Looks/Day(cehicle) differ from Looks/Day (ave)?? ????

In general this table is unfavorable to POPPY and exaggerates the others, by the errors. \$\$\$ most unfavorable to POPPY. "Book-keeping device must be used to make POPPY look ten times as expensive as MS SETTER.

\$per pound might be used. How about analysis costs for FANION???

HOW about analysis feasibility for FANION???

Orbital Life for 7104 has been 15 months so why use only a portion the useful life to measure the effectiveness of POPPY. 7103C still productive after 29 months. **

State a realistic EOB Requirement Then measure each Program against the requirements for the life of Payloads...detect within 3 wks in order that its existence and location within circular radious can be reported to the users within 30 daws after first emission...smells rotten to me.

The total \$ for POPPY must be amortized over the useful life of the Payloads as well as shared by the different Charters under which these Payloads serve, i.e. Gen Search, and EOB and not allocate total costs to one Charter alone. POPPY EOB bands are ...Gen Search usually tasks separate bands, as many as 4 per bird. A study of the past tasking may disclose the ratio of EOB to GS Mutilization for the apportionment of costs and detection probability. Detection capabibity is thus HIgh but location ability has somewhat lower, probability. Evaluation of 7105 must not be made just on the basis of 7104 because significant progress has been made in the ground stations to improve the will be much more productive and of higher location accuracy. Analogue to digital conversion is to be made at two sites this allowing electrical transmission of the datato NSA. Improved the large allowing electrical transmission of the datato NSA. Improved the large allowing electrical transmission of the datato NSA. Improved the large allowing electrical transmission of the datato NSA. Improved the large allowing electrical transmission of the datato NSA. Improved the large allowing electrical transmission of the datato NSA. Improved the large allowing electrical transmission of the datato NSA. Improved the large allowing electrical transmission of the datato NSA. Improved the large allowing electrical transmission of the datato NSA. Improved the large allowing electrical transmission of the sites to improve the large allowing electrical transmission of the large allowing electrical transmission of the datato NSA. Improved the large allowing electrical transmission of the large allowing electrical transmission electrical transmission electrical transmission electrical

productivity. by providing the

experiments in 7105 will allow for a much higher outs of the Japy

2. In the assessment of the SIGINT satellite programs toward meeting specific intelligence meèds, certain basic limitations in each system must be recognized with ellite system which spings and scans the earth surface at right angles to the line of flight, (exemplified by the FANION/TRIPOS) due to the geometry of the orbit and spin axis, only scans the earth surface at two places(exactly opposite spots). **Examination**

Teepts through the contract of the orbit and spin axis.

Intercepts through the lobe structure of the High-Gain receiving antenna patterns clutter the data stream and make the analysis extremely difficult.

The latitude of these two places may change with the shift in orbital plant.xxx For any specific "Brush War" or area of high intrest these areas of surveillance may be inopportune of expedient.

(%) Due to the high sensitivity used in these systems and the spin-scan of the collectiom antennas, the intercepted signals loose all the emittor antenna scan characteristics which make positive identification of **k*esome emittors very difficult.



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