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GHOST PAPER FOR Dr. FUBINI(via Capt Sapp) to CNO stating the relative potential of the P-11 approach versus Program "C" techniques in Ocean Surveillance arena.....

I- Ocean Surveillance [redacted] potential from the P-11 type spacecraft is technically inhibited in several ways:

(1) Due to the cross-track type spacecraft spinmodulation there is one area in the northern latitudes which is scanned with the superior best location accuracy and another similar latitude region in the southern hemisphere with the same accuracy potential. However all other lattitude, those further toward the poles and those toward the equator are subjected to a significant reduction in location accuracy due to the spin oriented ~~variation~~ variation results in the characteristic spacecraft. Thus a severe Accuracy versus Latitude-of-target [redacted] for the wide ocean areas of the world. This variation in accuracy versus location in latitude can be obtimized for a specific latitude or target area [redacted] thus the successful use of the P-11 spacecraft for the Technical Intelligence collection ~~of~~ specific high priority data over wide ocean areas of the world for is not achievable ~~in the past.~~

[redacted]

The on-board instrumentation of the P-11 with its Record-and-dump type collection has attained relatively poor operational lifetimes.

The collection sensitivity generally used on the systems aboard the P-11 are aimed at intercepting the minor lobes of the emitter so that the emitter is intercepted even though the emitter may never aim its

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main beam at the spacecraft. This type collection system does improve the probability of intercept against those emitters which do not scan widely in azimuth or elevation. However this improvement in intercept probability is compromised because of the [redacted] inability to identify the emitter antenna-scan characteristics from this data. Thus one of the most important sort criteria for assessing the purpose and the nature of the treat imposed by this emitter is denied to the analysis community. Main Beam intercept systems do preserve this vital information and maje possible extensive analysis opportunities on the shape of the beam, its radiated poswer and the nature of the scan being used by the emitter.

In the P-11 spacecraft it is imperative that certain spacecraft navigational information be recorded along with thedata. Transpond systems

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