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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 Sumveillance arena.....

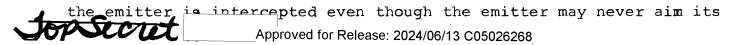
I- Ocean Surveillance potential from the P-ll type spacecraft is technically inhibited in several ways:

(1) Due to the cross-track type spacecraft spinmodulation there is Superiori one grea in the northern latitudes which is scanned with the 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 th the spin oriented variation variation results in the characteristic spacecraft. Thus a severe Accuracy versus Latitude-of-targety xxx for the wide ocean areas of the world. This variation in accuracy Latitude or versus location in latitude can be obtimized for a specific, target area thus the successful use of the P-ll spacegraft for over wide occaw areas of the world for the Jechnical Intelligence collection, of specific high priority data M Not achievable in_the_pest.

She/on-board instrumentation of the P-11 with its Record-and-dump

type collection has attained relatively poor operational lifetimes.with The collection sensitivity generally used on the systems aboard the

P-11 are aimed at intercepting the minor lobes of the emitter so that



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main beam at the spacecraft. This type collection system does improve the probability of intercept against those emitters which doe not scan widely in azimuth or elevation. However this improvement in intercept probability is compromised because of the _______ 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 make 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-ll spacecraft it is imperative that dertain spacecraft navigational information be recorded along with thedata. Transpond systems

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