C05026002

SApproved for Release: 2024/06/10 C05026002E POPPY PROGRAM TO MONSTRATE A SHIP SURVEILLANCE (ABILITY

U	19 JUNE 1968	
	1. In the period since the April meeting with CNO, the POPPY Program has initiated	50X
	certain efforts at which are, in addition to the	
	normal POPPY function of this station, designed to provide an opportunity to	
	evaluate the system for location of emissions from ship targets at sea. Since	
	mid May, one orbit per day giving ocean coverage (not otherwise in use) has been	
	specially tasked for the collection of the shipborne radar family	
	(HEAD NET) which is widely deployed throughout the Soviet Fleet. The	•
	results of these trial tasks in locating ships during the past two months are	
	as follows:	
	A. On a normal tasked orbit on 14 April, a emuttor was	
	located by the analysis complex in the Aegean Sea. This location	
	was compared very favorably with a known ship location in this area at	
	approximately this time.	
	B. On another normally tasked orbit on 20 May, a HEAD NET) was	
	intercepted and ultimately located in the Eastern Mediterranean Sea also with	
	good agreement with a known ship location in this area.	
	C. On four of the special tasked ship surveillance orbits, the	
	(HEAD NET) was intercepted but only one, the orbit of 11 June, was tost a	
	quality and duration radequater to allow the location analysis to resolve its	
	location to a point in the Barents Sea, which corresponded with a known ship	
	location at that time.	
	D. During the early June effort in search of the submarine Scorpion,	
	there was a noticable build-up and eventual decline in the signal density	
	of the US Navy radar emissions in certain parts of the spectrum. The data	
	taken during this effort is currently under study.	
	2. Restraints which are inhibiting this effort:	
	A. One technical limitation which is presently causing some problems in Handle Via Byenne Toler Kerpol Con	
	the present effort is the limited transmitter power which is available due to	~~~
	partial failure of battery system aboard payload 7105 Alpha. This particular	

satellite must operate the sunlight only and the solar cell battery

	processed through the and ros to digital data-system. B. The second most severe restraint is the present
	existent between the Charlie and Delta payloads of Mission 7105. On 31 May,
	requires larger computer capacity and more
ا د جو	complex routines than are presently available with the small computer facility
	now in use at When the our computer will
;	again be capable of processing a bigger percentage of the targets.
	3. While the problems encountered have precluded the best demonstration of
	performance against Naval targets, we feel the lessons learned has built a
	stronger base for success as each problem has been analysed and corrective
i	action taken to overcome the deficiencies. We are increasingly optimistic of
i	solving this problem for the Navy.
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SUMMARY OF THE INITIAL EFFORT IN THE POPPY PROGRAM TO DEMONSTRATE A SHIP SURVEILLANCE CAPABILITY....19 June 1968.

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power which is available due to partial failure of battery system aboard payload 7105 Alpha. At this time this particular payload must operate folder and the sunlight only and the battery charger is supplying the total power for the satellite use. As a result the signal strength is very weak and about 75% of the time inadequate to be processed through the analog to digital data-system.

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В.	The	second	most	severe	restraint	is	the		

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CONTROL SYSTEM ONLY