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NAVY SPACE PROJECT OFFICE (S) NATIONAL RECONNAISSANCE OFFICE, PROGRAM C

WASHINGTON, D.C.

OFFICE OF THE DIRECTOR

PME-106-4331 20 August 1973

MEMORANDUM FOR: DIRECTOR, NRO STAFF (SS4, SS4A and SS7) DIRECTOR, NATIONAL SECURITY AGENCY (W2 and R24) DIRECTOR, CENTRAL INTELLIGENCE AGENCY (OSI)

> COMMANDER NAVAL SECURITY GROUP CHIEF OF NAVAL OPERATIONS (OP 094W)

DIRECTOR, NAVAL RESEARCH LABORATORY (1000 and 7030)

Technical Operations Group (TOG) Meeting; report of Subj:

(1) Agenda Enc1:

- (2) List of Attendees
- (3) Minimum Daily Voltage Plot
- (4) Collection Highlights
- 1. A POPPY TOG meeting was held at the NRL in SPO spaces at 0930 on 26 July 1973. The agenda and a list of attendees are forwarded as enclosures (1) and (2).
- The following specific items were discussed:
 - 7107 Status: (NRL)

The status of the satellites has improved slightly since the last TOG meeting because they have been enjoying greater sun exposure after the long period (see enclosure (1)) of reduced sun charging time. At the last TOG, it was requested that the reaction wheels be reactivated when sun exposure increased. The wheels consume a large amount of power which would require reductions in collection; and some time would be lost in collection in that it takes days for the wheels to come up to speed and for the oscillations to dampout completely. There is also the danger that a satellite could generate an oscillation that could cause instability and a violent tumbling with resultant injury to the satellite. It is therefore not feasible to restore power to the reaction wheels.

The NSA representatives stated that no problems are being encountered in using the satellites attitude information, that is being produced by NRL, to resolve collected SLM data.

> Warning Notice - Sensitive Intelligence Sources and Methods Involved

DOD DIRECTIVE \$200.10 DOES NOT APPLY

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Subj: Technical Operations Group (TO	
Subj: Technical Operations Group (TO	meeting; report of
: '''	
Although some weak data have is anticipated. A RETEP relay may be	recently been reported no problem
that it may remain stuck until after	
The high sun exposure created 7107A, B and D, which was solved by re	a high temperature problem on
channels that had been secured earlier	
experienced. Increasing the power dra	
temperatures. It is expected that action about 7 August when the high su	will reverse this
b. Collection Highlights: (NSG)	
The NSG representative introdu	iced who recently
returned from for duty with G54	to help in preparing for the
transition to Enclosure (4) the highlights.	s the CNSG report on collection
mightights. /	
c. <u>Processing Highlights</u> : (NSA)	
Analyses of POPPY acquired dat	a are contributing to knowledge
on three specific emitter types:	
	70 DODDY 4
and 30 intercepts from other systems.	eing conducted on 70 POPPY intercepts) One of the POPPY passes intercepted
seven different emitters.	计分词 计分类 化二甲基基苯基
Power studies are continu	ing
Tower studies are continu	- ing ·
Power studies are complet	e
The current NSA reorganization	is expected to provide more effective
	. Certain specific types of emitters
	of study by specially assigned groups,
while group will have chand unidentified radar systems.	arge of analyzing all other land based
The state of the s	达到数据 (1915年) 第十十分的
·特殊,以及其企业的。	

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PME-106-4331

Subj: Technical Operations Group (TOG) Meeting; report of

Feedback reports and resolution of unidentified signals were
discussed. As an example, the NSA representative stated that an
unidentified signal intercepted by in 1971 was just recently
associated with The problem with most of the outstanding
unidentified signals is that follow-up intercepts are not obtained
and insufficient information precludes resolution. Feedback, which
greatly encourages field site personnel, will continue to be generated
as appropriate.
Project Departure has been working on
Collection), but inconsistencies are hampering efforts. A variation of
8 db between intercepts was cited. The NSG representative stated that
would be reporting to NSA for duty within the
next few months and could be very effective on Project Departure.
It was noted that some SLM data on naval emitters had been
collected but the requirement to process and report these data did
not carry sufficient priority.
d. Transition at (SPO)
The TOG members were appraised of the schedule to conduct MILCON
(military construction) at
It is now planned to turn over to a contractor early
in April 1974 for building renovation and expansion. Renovation at
is scheduled to begin early in June 1974. This activity implies that some
interruption to POPPY operations at both sites will occur slightly before
the MILCON initiation dates and will continue through a period as long as
seven months at each site unless provision is made for interim operation
of POPPY while MILCON
The alternative that presents the least down time for POPPY operations is
to move the equipment to vans which must be purchased and specially
configured. Decision on the transition must be made by
1 September 1973 in order to provide vans for this purpose.

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PWF 106 (33)

PME-106-4331

Subj: Technical Operations Group (TOG) Meeting; report of

`e. SORS Guidance: (SOC)

On 25 July 1973, SORS approved simultaneous collection of emitters related to the same weapons system. Current task groups for POPPY must be re-evaluated, and the SOC will chair a meeting for this purpose in mid August.

3. The next TOG meeting is scheduled for NRL on 30 August 1973.

R. K. GEIGER

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Page 1 of 1 Pages Copy 1/of 12 Copies C05026404 Approved for Release: 2024/06/14 C05026404 7107 STATUS COLLECTION HIGHLIGHTS PROCESSING HIGHLIGHTS TRANSITION AT SORS GUIDANCE Page_L_of_5_Pages Copy_//_of_12Copies ENCLOSURE (1)

C05026404

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LIST OF ATTENDEES

SPO:

NRL:

Mr. Hellrich Mr. Lawton

Mr. Frankovic

NRO (SOC):

NSG (G-54):

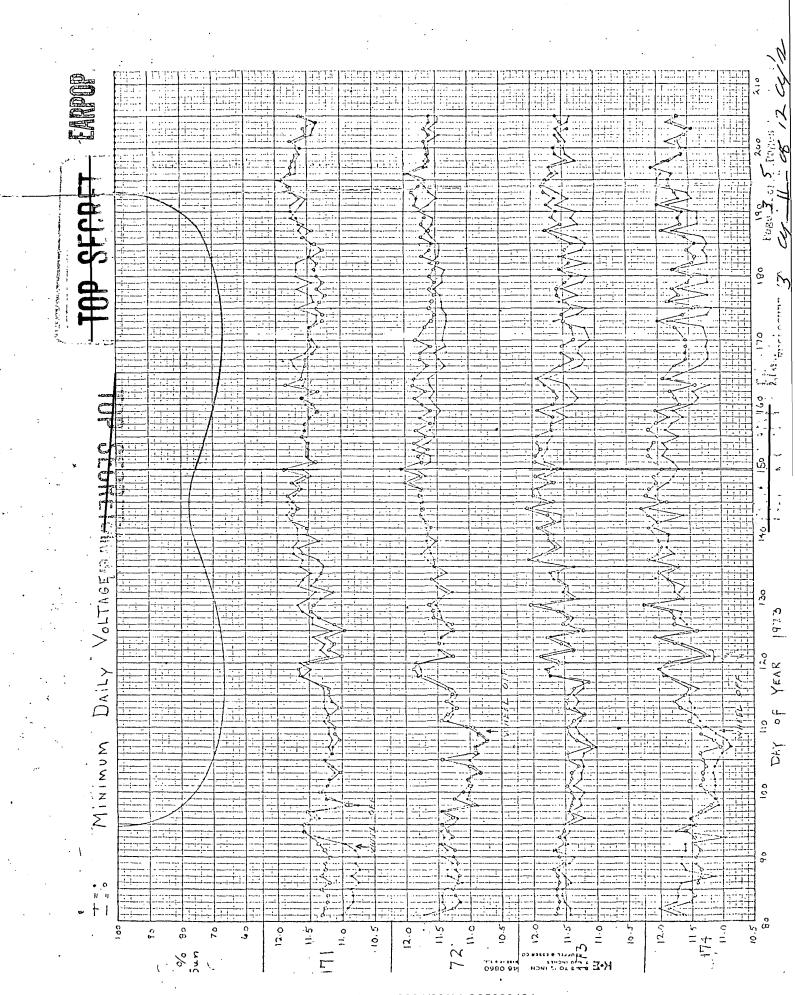
CNO (OP 094W):

LT Morgan

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ENCLOSURE (2)



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OCEAN SURVEILLANCE

carried aboard combatants.

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COLLECTION HIGHLIGHTS

Since the TOG meeting in June, the following has occured.

				ı	
	, 1			-	• • •
Total	production h	nas increased	considerably,	producin	g a total
of 4002 location	ns during the	e last month.	This increas	e iņ	produc-
tivity is a resu	ılt almost er	ntirely of the	increased pr	ocessing	capability
at (PA	APS II). Eve	en though	production	has incre	ased, sub-
marine location	volumes have	e been fluctua	ting greatly	with prod	uctivity
being low for th	ne last seven	al weeks. Th	e percentage	of hull t	o emitter
equations is dov	vn relative t	o the total n	umber of	due to	signifi-
cantly increased	d production	of presently	un-equatable	emitters	(DON's)

and to a slight degree even with radars normally equatable which are

Examples of reduced equations to major combatants can be partially explained by the lack of intercept from Soviet exercises and deployments. The ASW exercise in the Kuriles has produced only sparse intercept from Kotlin DDG-448 and at this point collateral sources have not identified any of the other participants. The Soviet OOA deployment to the Philippine Sea in which a KASHIN, KILDEN, FOXTROT, AOR and AO are involved has produced no intercept since they departed Pacific Soviet Coastal waters. All collateral indications suggest a lack of radiations as being the primary cause of negative intercept. In a Carribbean transit from the Mediterranean of Kresta II CLGM-289, Kanin DDG-559 and an AOR, intercept has been almost nil. Intercepts of two unequated on 19 July from the vicinity of the Canaries and a single from the Kresta II on 24 July from 30N 50W have been the only activity noted. Prior transits of this nature have been extremely productive.

In summary, Ocean Surveillance activity equated to major combatants has been extremely sparse for the amount and type of Soviet activities currently in progress.

Arbitrary Designator has been equated to This new construction Kashin is currently deployed OOA in the Mediterranean Sea.

ENCLOSURE (4)

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	NIC has reported a 3960MHZ, 800PPS, 5.5SPR transmission from Krivak DDGSP-553 as a possible Head Net. on 21 February reported an unidentified transmission 3600-4050MHZ, 809PPS. 8.8SPR and speculated on the possibility of being from a modified
	on 29 June and 25 July reported an unidentified emission 3950MHZ, 797. 836PPS, 10.8SPR from The Black Sea. Several collateral sources have speculated on the possibility of the above transmission being associated with a modified
٠	During this period we have had one intercept of a from the
	TECHNICAL INTELLIGENCE
	PAPS RELEASE II has been in operation for approximately one month, reports a large increase in ability to process staggered has been particularly useful and nearly cut processing time in half. Problem areas include an overload of the fixed head disc due to high data densities and an inability to process emitters with a hertz rate without reverting to the 810-BRIC routine due to the generation of parallel LOP's at the hertz rate of the emitter. These items have somewhat reduced the overall effectiveness of PAPS RELEASE II. New tasking, based on SORS guidance, was forwarded to field stations and implemented on 23 July. No problems have been encountered with the new task groups.
	A two month extension of the special SLM collection task has been forwarded to field stations. Along with the task extension are two new SLM task groups oriented towards collection of
	ELECTRONIC ORDER OF BATTLE
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ENCLOSURE (4)