

NRL SPEC. PROJECTS CONTROL NUMBER

LA B-000152-74

~~TOP SECRET~~ - HANDLE VIA ROUTINE
CONTROL CHANNEL ONLY

DATE 2004/4

Rec'd 6/74

ORIGINATOR NAVY LIAISON PROCEPT OFFICE 21 JAN 54		SERIAL NO. BY: 55037-74	ENCLOSURES (1) AGENDA (2) LIST OF ATTEND (3) AIRCRAFT DATA VOYAGE LOG (4) COLLECTION HIGHWAYS (5) PROCESSING INSTRUCTIONS
DATE REC'D JAN 17 54	TICKLER DATE	COPY NO. 1013	RECEIPT NO. NA 50,001
SUBJECT COMBAT TECHNICAL OPERATIONS GROUP (JOG) TRAINING REPORT OF			DIST INFO

[illegible]

RETURN THIS ROUTE SLIP TO NRL SPECIAL PROJECTS OFFICE, ROOM 222, BLDG. 43.
DO NOT ROUTE TO OTHER SECTION OR BRANCH.

ACTION TAKEN BY

NRL CONTROL RECORD NDW-NRL-5216/1005 (REV. 3-72)

~~TOP SECRET~~
CONTROL NO.

By 59837/24
cy 13

REFERRED TO OFFICE	RECEIVED			RELEASED		SEEN BY	
	SIGNATURE	DATE	TIME	DATE	TIME	NAME & OFFICE SYMBOL	DATE
7030	NRL						

Handle Via Indicated Controls

BYEMAN

Access to this document will be restricted to those persons
cleared for the specific projects;

EARPOP
.....

WA. 80. 101

WARNING

This document contains information affecting the national security of the United States within the meaning of the espionage laws U. S. Code Title 18, Sections 793 and 794. The law prohibits its transmission or the revelation of its contents in any manner to an unauthorized person, as well as its use in any manner prejudicial to the safety or interest of the United States or for the benefit of any foreign government to the detriment of the United States. It is to be seen only by personnel especially indoctrinated and authorized to receive information in the designated control channels. Its security must be maintained in accordance with regulations pertaining to BYEMAN Control System.

May 20, 1974

NRL B-000152-74

~~TOP SECRET~~

May 20, 1974

NAVY SPACE PROJECT OFFICE

(S) NATIONAL RECONNAISSANCE OFFICE, PROGRAM C

WASHINGTON, D.C.

CONTROL SYSTEM

OFFICE OF THE DIRECTOR

PME-106-541/1mm

MEMORANDUM FOR: DIRECTOR, NATIONAL SECURITY AGENCY(W24,W34,A81,R24)
DIRECTOR, CENTRAL INTELLIGENCE AGENCY (OSI)
CHIEF OF NAVAL OPERATIONS (OP 094W)
DIRECTOR, NRO STAFF (SS4, SS4A and SS7)
COMMANDER, NAVAL SECURITY GROUP COMMAND
DIRECTOR, NAVAL RESEARCH LABORATORY (1000 and 7030)

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

Encl: (1) Agenda
(2) List of Attendees
(3) Minimum Daily Voltage Plot
(4) Collection Highlights
(5) Processing Highlights

1. The POPPY Technical Operations Group (TOG) met at the Naval Research Laboratory (NRL) at 0930 on 25 April 1974. The agenda and a list of attendees are forwarded as enclosures (1) and (2).

2. Specific items of discussion were:

a. Status. (NRL)

The 7107 satellite spacing is currently

4 nm per week. It is now estimated that the [] spacing may achieve [] without thrusting. This remains within established limits.

The updated Minimum Daily Voltage Plot was distributed (and is forwarded as enclosure (3)) and discussed. The satellite orbit passed out of 100% sun exposure on day 80. Careful monitoring of tasking levels and other power consuming activities continues to be required. The dips shown in the 7107A plot are interpreted as indicative of an

Warning Notice - Sensitive
Intelligence Sources and
Methods Involved

HANDLE VIA
BYEMAN
CONTROL SYSTEM

CLASSIFIED BY BYEMAN. 1 EXEMPT FROM
GENERAL DECLASSIFICATION SCHEDULE OF
EXECUTIVE ORDER 11652 EXEMPTION CATE
GORY 5B2 DECLASSIFY ON IMP DET.

~~TOP SECRET EARP~~ ZARF

CONTROL NO. 59,837-74
COPY 13 OF 14 COPIES
PAGE 1 OF 3 PAGES

NRL B-000152-74

~~TOP SECRET EARP~~DILMPC
CONTROL SYSTEM

PME-106-541/1mm

Subj: POPPY Technical Operations Group (TOG) Meeting; report of adjustment period when the NRL on-orbit monitoring staff increased the charge rate to compensate for lower sun exposure. The severe dip (below 10.50) on 7107D recorded on day 95 may be a bad reading. On one pass on this date, 7107D arrived over [] activated to the "memory readout" command set.

The satellites remain healthy and stable, with known failures. No change in this status is anticipated.

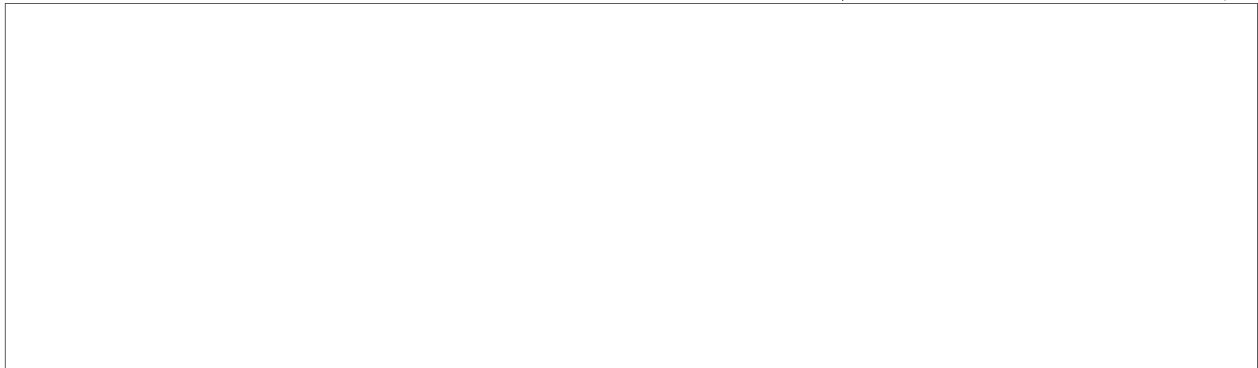
The NSG representatives reported that the SEL 86 that is used at [] for the main processing load there has experienced greater than normal maintenance outages recently. Most problems remain in the peripherals. Both inadequate on-site sparing and an overall low level of SEL 86 maintenance capability at [] are cited as major contributors to the recurring SEL 86 problems there.

b. Collection Highlights. (NSG)

Enclosure (4) was presented by the NSG representatives. The [] volume has reached new peaks; this report period showed record system output.

c. Processing Highlights. (NSA)

Enclosure (5) was presented by Mr. Gallagher (W34).

HANDLE VIA
BYEMAN
CONTROL SYSTEM

~~TOP SECRET EARP~~ ZARF CONTROL NO 59,837-74
COPY 13 OF 14 COPIES
PAGE 2 OF 3 PAGES
EXCLUDED FROM AUTOMATIC DECLASSIFICATION
DO NOT DIRECTIVE 9200.10 DOES NOT APPLY

~~TOP SECRET~~

EARPOP ZARF

HALL
BYEMAN
CONTROL SYSTEM

PME-106-541/lmm

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

d. FY-75 POPPY Plan. (SPO)

Meetings with NSG and NRL representatives have been held that establish the SPO sponsored POPPY activities for FY-75 and plan for FY-76. The only action planned in support of NSA programs directly is the satellite attitude data resolution by NRL for SLM processing.

The new item that was discussed was the phased closure of POPPY sites at [REDACTED]. A recent TWX message (COGNAC 121203Z Apr 74 Cite 0120) relates the dates and plans now being followed. The NSA representatives expressed grave concern with regard to securing POPPY operations at [REDACTED] on an established time-table that is not necessarily keyed to

- (1) [REDACTED]
 - (2) the real demise of POPPY satellites.
- [REDACTED]

3. The next TOG meeting is scheduled for 30 May at the Naval Security Station.

R. K. Geiger
R. K. GEIGER

HANDLE VIA
BYEMAN~~TOP SECRET~~

EARPOP ZARF

CONTROL NO 59,837-74
COPY 13 OF 14 COPIES
PAGE 2 OF 2

~~TOP SECRET EARP~~

AGENDA

STATUS

COLLECTION HIGHLIGHTS

PROCESSING HIGHLIGHTS

FY 75 POPPY PLAN

~~TOP SECRET EARP~~

Enclosure (1) TO BYE 59,837-74

Page 1 of 1 Pages

Copy 13 of 14 Copies

~~TOP SECRET~~ ~~EARPOP~~ ZARFLIST ATTENDEES

SPO:

NSA:

MR. KEN GALLAGHER

OPNAV:

NRL:

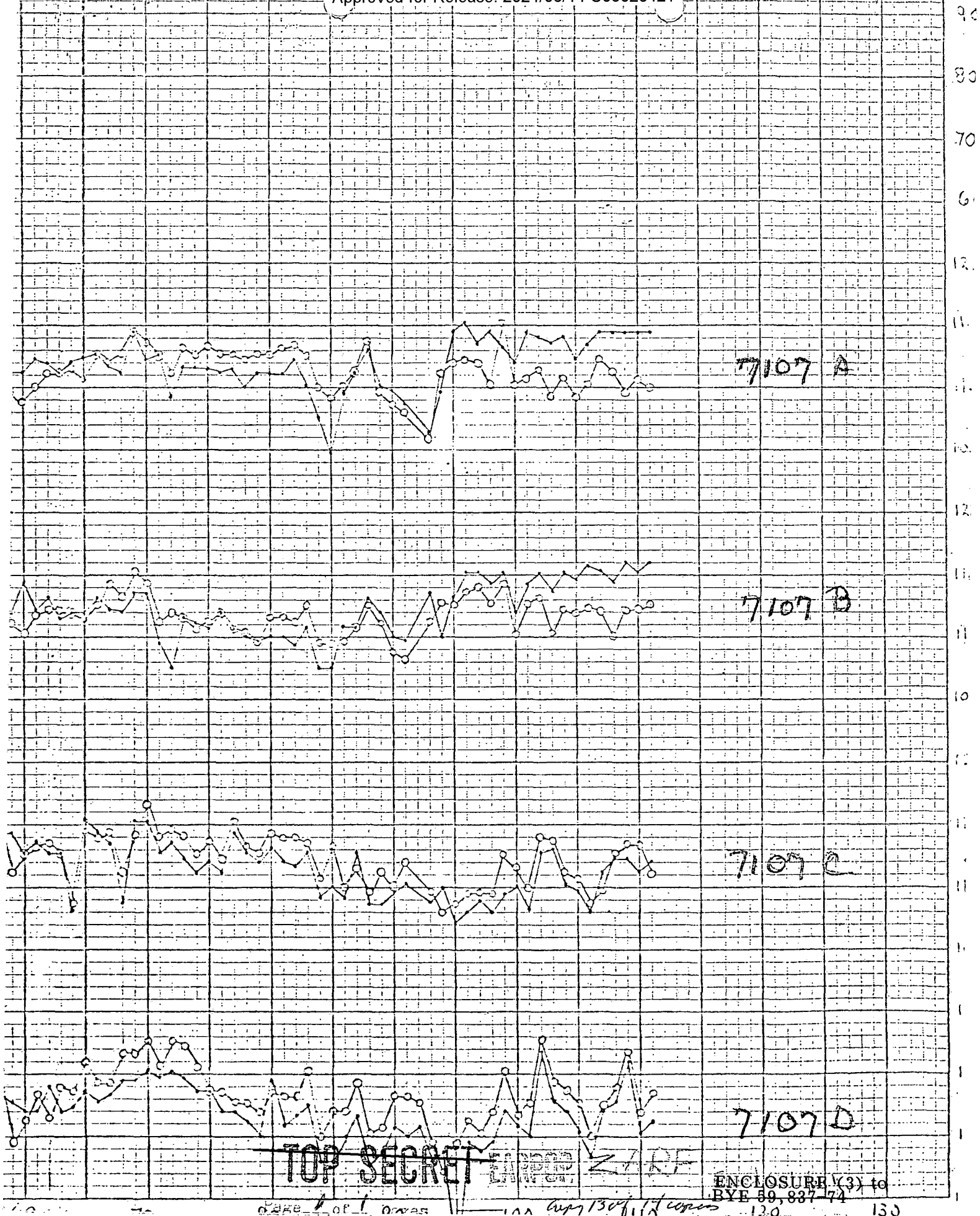
MR. TOM LAWTON

NSG:

~~TOP SECRET~~ ~~EARPOP~~ ZARF

Enclosure (2) to BYE 59,837-74

Page 1 of 1 Pages
Copy 13 of 14 Copies



TOP SECRET

ENCLOSURE (3) to
BYE 59,837-74

~~TOP SECRET EARPPO ZARF~~COLLECTION HIGHLIGHTSOCEAN SURVEILLANCE

Since the last TOG on 28 March, there have been a total of 5350 [] locations. 863 of these were equated to specific ships. 947 intercepts were major combatant associated, but could not be correlated to a particular ship. 113 intercepts of [] emitters were received since the last TOG including four out of area intercepts; one in the Med, two in the Pacific, and one in the Arabian Sea. [] monitored the transit of two vessels, the Kynda CLGM 857 Adm Golovko and the Kashin DLG 179 Soobraitelnyys, from the Black Sea to the Med. [] monitored the Krivak DDGSP 504 Bodryy, the Krivak DDGSP 508 Silnyy, and the Sverdlov CL 891 in their transit from the Baltic to the Med. [] provided the first tip-off that a major combatant was departing the Baltic through [] intercepts that were later equated through a conventional source to the Krivak B'ditelnyj now off the Shetland Islands. [] is monitoring the Cuban transit of the Krivak DDGSP 504 Bodryy and the Krivak 508 Silnyy now in mid Atlantic. The ships may be in partial EMCON as we have only received a few intercepts of the two ships. [] continues to monitor the movements of the Primorye AGI Zakarpate off the U.S. East Coast. [] showed heavy surface combatant activity in the Sea of Japan. The activity may be in reaction to the entrance of U.S. task force into the Sea of Japan two weeks ago.

~~TOP SECRET EARPPO ZARF~~

Enclosure (4) to BYE 59,837-74

Page 1 of 2 Pages

Copy 13 of 14 Copies

~~TOP SECRET~~ ~~EARPOP~~ ZARFEOB AND TI

The following items of interest were noted in the field of EOB and TI: (1) [] intercept impacted off the Liberian Coast and reflects a possible new mode of operation for the [] radar recently fitted on the Sverdlov CL 891 Sverdlov. The emitter displayed a predominate PRI of 3961 USEC with insertion of 1980 and 5941 USEC PRI in varying stagger sequences. (2) [] developmental signal was intercepted six times in the 3600-4050-MHZ RF band and exhibited a PRF of 797.871 PPS and a circular scan of 10.0 SPR located in Feodosiya, USSR (4500N/03530E). (3) Four [] intercepts were accomplished on 10 April and reflected activity in the Moscow ABM ring at sites E05, E24, E31, E33. (4) [] intercept exhibited a PRF within the EPL limits at 1576.13 PPS equating to the 52 countdown of the 81.932 KHZ crystal. This PRF is normally associated with the [] (5) Unident 27-186 was located at Kansk, USSR (5618N/09507E) near EOB pin 13-25314. This site is credited with a [] emitter and the intercept is believed to be a new mode of the [] at a PRF of 182.967. (6) [] intercept on 03 April was initially intercepted in a high PRE mode of 2799.9 PPS. The signal abruptly switched to a low PRF mode of operation (1023.6 PPS) without missing a scan. The signal was in a low PRF mode for three scans before abruptly shifting back to the high PRF mode of operation. [] is not credited with the low mode of operation. The emitter was located at Smolensk, USSR.

~~TOP SECRET~~ ~~EARPOP~~ ZARF

Page 2 of 2 Pages

Copy 13 of 14 Copies

Enclosure (4) to BYE 59,837-74

PROCESSING HIGHLIGHTS350 MHZ UNIDENTIFIED SIGNAL, KAMCHATKA PENINSULA AREA

ON 17/18 APRIL 1974, [] REPORTED INTERCEPT OF AN UNIDENTIFIED EMISSION IN THE 350-450 MHZ RECEIVER BAND. LOCATED ON TWO PASSES, THE SIGNAL SOURCE APPEARS TO BE ON THE EAST.- CENTRAL COAST OF THE KAMCHATKA PENINSULA. DUE TO THE BREVITY OF INTERCEPT, THE CONFIDENCE REGION ASSIGNED INCLUDES MOSTLY WATER AREAS OF THE BERING SEA.

PARAMETER SUMMARY

RF BAND: 350-450 MHZ

PRF: 160.08 PPS *

SCAN: STEADY, NON SCANNING

* DURING ONE INTERCEPT, THE SIGNAL WENT THROUGH AN ABRUPT SERIES OF PRF CHANGES OF 960.5, 1600.8 AND 1280.7 PPS THEN RETURNED TO THE 160 PPS VALUE.

A SIMILAR UNIDENT, UNLOCATED WAS REPORTED BY [] ON 13 APRIL 74

PARAMETERS: 350-450 MHZ

PRF: 2453.987PPS

SCAN: 40.1 HZ, COMPLEX, TYPE UNDETERMINED

DURING THIS INTERCEPT, THE KAMCHATKA PENI WAS VISIBLE TO THE COLLECTOR.

ANALYTIC COMMENTS: SINCE THE IMPACT AREA INCLUDES A GOOD PORTION OF THE BERING SEA, THE POSSIBILITY THAT THE SIGNAL SOURCE IS SHIPBORNE HAS ALSO BEEN CONSIDERED. FURTHER INTERCEPTS, WITH GEOPOSITION, WILL BE REQUIRED TO IDENTIFY THE PLATFORM. ONE INTERESTING NOTE IS THAT THE UKA MISSILE TRACKING FACILITY IS LOCATED APPROXIMATELY 124 NM NORTH OF THE MEDIAN IMPACT OF THE TWO INTERCEPTS. BOTH THE LAND AND WATER ELINT ENVIRONMENT ARE BEING EXPLORED.

Page 1 of 2 Pages

Copy 12 of 17 Copies

Enclosure (5) to BYE 59,837-74

~~TOP SECRET~~

Page Denied