

NRL SPECIAL PROJECTS CONTROL NUMBER

NRL ^{BTK-215-75}
215-75

TOP SECRET - HANDLE VIA BUREAU CONTROL

DATE

5AUG75

ORIGINATOR

NRL 100-543

SERIAL NO.

BYE 59,539-75

ENCLOSURES

(1) AGENDA (2) LIST OF ATTORNEYS
(3) MISSION TLOT STATUS (4) COLLECTION HIGHLIGHTS

DATE REC'D

8/22/75

TICKLER DATE

COPY NO.

9

RECEIPT NO.

WA 30,607

SUBJECT

MURPHY TLO MEETING: REPORT OF
24JUL75

DIST INFO



BASIC DOCUMENT ON R/S



BASIC DOCUMENT NOT HELD.

DESTROY.

ROUTE
TO

*

CY
NO.W/
ENCL

SIGNATURE

DATE
OUTDATE
RETURN

1000

7000

7030

6

1-6

RDM

9/4/75

1225

7

1-6

RDM

1/4/75

2000

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CODES HAVING PRIMARY INTEREST CHECK ONE



RETAIN INDEFINITELY. (REFERENCE VALUE).

RETAIN _____ MONTHS. (INFO MATERIAL
HAVING ONLY TEMPORARY REFERENCE VALUE).DESTROY AFTER ROUTING. (NO FURTHER
REFERENCE OR INFORMATION VALUE).

DESTRUCTION REPORT NO.

FINISH FILE

7.2

REMARKS

NRL INCOMING DOCUMENT



B215-75



6



BYE-59539-75

*A-ACTION

I-INFORMATION

C-COMMENT

R-RETAIN

E-EVALUATION

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ACTION TAKEN BY

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

~~SECRET~~
CONTROL NO.

Exp 59539/75

Cy 6,7

REFERRED TO OFFICE	RECEIVED			RELEASED		SEEN BY	
	SIGNATURE	DATE	TIME	DATE	TIME	NAME & OFFICE SYMBOL	DATE
NRL	R. D. Mayo	9/4/75					

Handle Via Indicated Controls

BYEMAN

HANDLE VIA

BYEMAN-TALENT-KEYHOLE
CONTROL SYSTEMS JOINTLY

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

EARPOP

.....

WA 80,667

WARNING

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(6)

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NRL B. 215.2

NAVY SPACE PROJECT OFFICE

~~(S)~~ NATIONAL RECONNAISSANCE OFFICE, PROGRAM C

WASHINGTON, D.C.

OFFICE OF THE DIRECTOR

PME-106-543/1c

5 AUG 1975

MEMORANDUM FOR THE DIRECTOR, NATIONAL RECONNAISSANCE OFFICE (SS4, SS4A, SS7)
DIRECTOR, CENTRAL INTELLIGENCE AGENCY (OSI)
DIRECTOR, NAVAL RESEARCH LABORATORY (1000, 7030)
CHIEF OF NAVAL OPERATIONS (OP955)
COMMANDER, NAVAL SECURITY GROUP COMMAND (G54, POCG)
DIRECTOR, NATIONAL SECURITY AGENCY (A81, R24, W2, W34)

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

Encl: (1) Agenda
(2) List of Attendees
(3) Mission 7107 Status
(4) Collection Highlights

NRL



1. The POPPY Technical Operations Group met at 0930 on 24 July 1975 at the Naval Security Group Command Headquarters. The meeting agenda and a list of attendees are forwarded as enclosures (1) and (2).

2. The following reports were provided and discussed:

a. Mission 7107 Status. Enclosure (3), describing the status of the POPPY satellites, was submitted by the NRL representative.

b. Ground Site Status. The Naval Security Group Command representative reported that all POPPY sites are up and operating. There has been a high incidence of short duration computer outages during the past month, including several on the SEL-86 computer system at [redacted]. In spite of the outages, an availability of ninety eight percent is being realized. There is a backlog of routine requests for spares from the field sites awaiting action. Responses have continued to be prompt on outages that reduce operational capabilities.

c. Collection Highlights. The Naval Security Group Command representative submitted enclosure (4) which describes collection highlights during the month. The report includes highlights on ocean surveillance, technical intelligence and electronic order of battle reporting.

d. Processing Highlights. The NSA representative reported that POPPY had intercepted, located, and reported the second [redacted] to join the Soviet Pacific Fleet. This [redacted] was also intercepted in communications.

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PME-106-543/1c

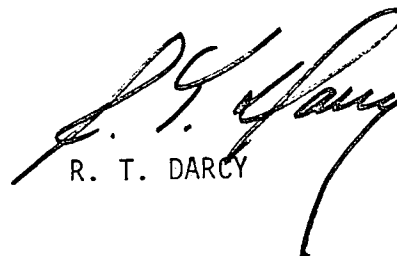
Subj: POPPY Technical Operations Group (TOG) Meeting; report of

3. General interest was expressed in the study on the vulnerability of Soviet [] radars to POPPY []. The SPO representative agreed to arrange a briefing during the next TOG meeting.

4. The Naval Security Group Command representative reported that the

5. The SPO representative summarized the discussion of the June TOG meeting concerning termination or suspension of [] POPPY operations after the []. During the ensuing discussion, the pros and cons of several options were discussed. A consensus was reached that the issue should be resolved via formal communications among the interested organizations.

6. The next meeting of the TOG will be held at NSA on Thursday, 28 August at 0930.



R. T. DARCY

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NRL



D1231

AGENDA

MISSION 7107 STATUS

GROUND SITE STATUS

COLLECTION HIGHLIGHTS

PROCESSING HIGHLIGHTS

 OPERATIONS

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Enclosure (1) to BYE 59,539-75~~TOP SECRET~~~~EARPOP~~ ~~ZARF~~

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LIST OF ATTENDEES

NRL



D1232

SPO

LCDR POTTS

NRL

MR LAWTON

NSA

CNO

NSG

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Enclosure (2) to BYE 59,539-75

~~TOP SECRET~~~~EARFOP ZARF~~

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~~TOP SECRET~~ ~~TOP SECRET~~ ~~TOP SECRET~~MISSION 7107 STATUS

The POPPY satellites have progressed through a twenty-one day period of one hundred percent sunlight and are now entering a short eclipse period. Today's reading is sixty eight percent. System health has remained stable throughout the last month. Spacecraft voltages continue to remain satisfactory.

Current satellite spacings are nautical miles for Alfa/Bravo and nautical miles for Charlie/Delta.



Enclosure (3) to BYE 59,539-75

~~TOP SECRET~~ ~~TOP SECRET~~ ~~TOP SECRET~~

1-58-2-2000
6-14-64
6-14-64

~~TOP SECRET~~ CARPOZARE

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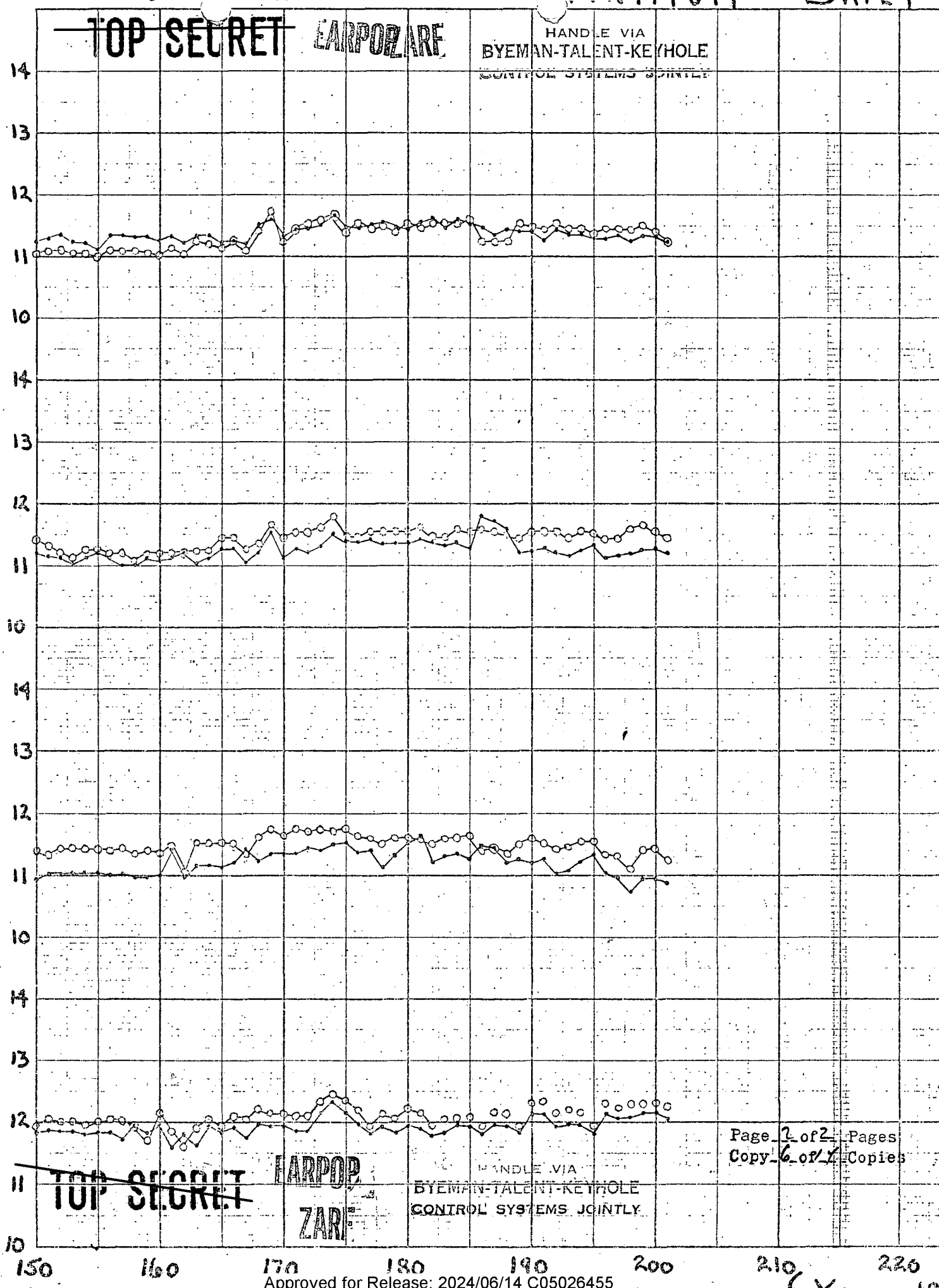
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~~TOP SECRET~~~~EAROP ZARK~~COLLECTION HIGHLIGHTS1. Ocean Surveillance:

A total of 3932 [] items were reported. Of these, 744 reflected major combatant activity, and 57.5% were equated to specific hulls. There were 2203 merchant and 50 [] intercepts reported. Four intercepts reflected out-of-area [] activity: three in Kuril Islands, one in the Mediterranean. There was no [] activity reflected.

The relief of the Med Force was completed the week of 24-30 June when the KILDIN BEDOVYY, KOTLIN BRAVYY, and KASHIN SKORYY and SDERZHANNY returned to the Black Sea. The units were relieved by the CHG LENINGRAD, KARA NIKOLAEV, and KASHIN KRASNYY KRYM. Exercise activity was observed in the Sea of Japan the first of the month, and the KASHIN STEREGUCHY was observed in operations in the southern Tsushima Straits. An increase in major combatant activity was observed in the Barents during the period 16-18 July.

The KRESTA II KRONSTADT was reported to have made a Barents to Baltic transit during the period 11-15 July. The vessel was not reflected in [] [] checked all tapes during the period for single ball reflections of the vessel's [] but none were found. A radar EMCON transit must be suspected as it is a rarity that a vessel of this size is not reflected in []

2. Technical Intelligence and EOB:

System reflected collection of SLM data from target emitters [] [] during the month.

Intercept data from mideast target emitters in support of Project Flavor was extremely light with only one intercept of SA-6 equipment from [] being reflected.

[] continues to intercept [] emissions from the Black Sea which exhibit the STI 1685 PPS PRF mode and the non-peak circular scan rate of 3.78-3.80 SPR. The site also continues to reflect intercepts of highly stable [] emissions from the Black Sea.

Intercepts of the [] emission from the modified KILDIN BEDOVYY on 25 and 26 June reflected an STI PRF mode of 585.936 PPS. This is the first time this PRF is known to have been intercepted from the [] The PRF equates to the 256th divisor of the one kilometer crystal.

An [] emission was intercepted by [] on 15 July and geolocated to a water impact just south of Petropavlovsk. The emission displayed a reference pulse followed by a 13 pulse group. Spacing from the reference pulse to the first channel was 13.2 milliseconds with subsequent channels spaced at approximately 229 usec. Pulse coding activity was observed within the channels.

Enclosure (4) to BYE59,539-75

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The unidentified signal [] was intercepted three times during the month. [] has been intercepted from the RETEP receiver, probably due to the increased sensitivity of that receiver. The mission collection plan for [] has been modified whenever possible for the revolutions with equator crossings where the signal has been consistently intercepted to include band four and RETEP collection on Charlie/Delta payloads and band four collection on the Alfa/Bravo payloads.

On 30 June, [] intercepted and reported a signal under unident number []. The signal exhibited a four element, apparent random, eleven position stagger. The predominate PRI noted was 371/usec. Additional PRI's of 346, 322, and 297 usec were observed. The PRI's equate to submultiples of the 80.9 KHz crystal. The signal could possibly be emanating from the [] emitter.

3. Satellite Commanding

On basis of recommendations by NRL, the task groups assigned to Charlie/Delta payload [] collection have been modified to retrieve [] collection in those bands on which data link options are known to consistently fail. The adjustable threshold option has been used to change the data downlink in the bands where downlink options no longer function.

Modifications have also been proposed for Charlie/Delta SLM collection where malfunctioning data link options are causing contamination of the SLM downlink by the raw data channel.

Pg. 2 of Enclosure 4 to

BYE 59,539-75

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