

NNNNTWX781
RR RUXQAAJ
DE RUXQAA 128 1111218
ZNY XXXXX VVV
R 211217Z
BT
XXXXX
070

~~TOP SECRET~~
Handle via BYEMAN
Control System
4-21-70

5614

5170

1000

1010

4000

5000

R 212122Z
FM CNO
TO OPCEN
INFO SSO DIA
DIRNSA
AFSSO USAF
STATE RCI
SSO ACSI DA, WASH D.C.
YSNKLDC/NRL
COMNAVSECGRU
ZEM

~~TOP SECRET~~ BBBBBB EARPOP BYEMAN CHANNELS ONLY

SSO DIA KEEP AND PASS SAFSS

OPCEN FOR DR. C. COOK, [REDACTED]

SAFSS FOR [REDACTED]

DIRNSA FOR MR. JOHN LIBBERT

SSO DIA FOR [REDACTED]

STATE RCI FOR [REDACTED]

AFSSO USAF AFNIN FOR [REDACTED]

SSO ACSI DA FOR L/COL [REDACTED]

TASKING REQUIREMENT

A. CNO 091700Z APR 70

1. REF A REQUESTED TASKING AND PRIORITY FIELD PROCESSING OF POPPY DATA BY [REDACTED] IN SUPPORT OF CINCLANTFLT AND CINCUSNAVEUR REQUIREMENTS ASSOCIATED WITH MAJOR SOVIET SURFACE FORCE DEPLOYMENTS IN THE MED AND NORTH ATLANTIC. SUBSEQUENTLY, ORIG HAS DETERMINED THAT INITIAL DEPLOYMENTS WERE COINCIDENT WITH INITIATION OF MAJOR SOVIET WORLD WIDE FLEET EXERCISES WHICH ARE CURRENTLY UNDERWAY. BOTH COMMANDERS HAVE INFORMED ORIG THAT POPPY DATA IS PROVIDING TIMELY, UNIQUE INTELLIGENCE, AND IS OF MAJOR SIGNIFICANCE IN CARRYING OUT THEIR ASSIGNED MISSIONS.

2. ORIG HAS REQUIREMENT FOR EXTENSION OF POPPY LOCATING TO AREAS OF PACIFIC WHERE SOVPACFLT MAJOR FORCES ARE CURRENTLY ENGAGED IN EXTENDED OPERATIONS. ACCORDINGLY REQUEST PERMISSION FOR [REDACTED] TO FIELD PROCESS [REDACTED] SIGNALS AT TOP PRIORITY DIRECTLY AFTER PROCESSING UNIDENTIFIED SIGNALS, AND REQUEST AUTHORITY FOR SAFSS (SOC) TO ADJUST POPPY TASKING AS REQUIRED TO OPTIMIZE COLLECTION AGAINST THESE SIGNALS IN THE AREA OF THE PACIFIC. IF APPROVED, THIS REQUIREMENT SHOULD BE SATISFIED ABOUT 7 MAY; HOWEVER, SORS WILL BE ADVISED IMMEDIATELY IF REQUIREMENT SATISFIED EARLIER.

400

~~TOP SECRET~~
Handle via BYEMAN
Control System

NNNDE YEK
TWX663
PP RUXQAAJ
DE RUXQAA 876 1041100
ZNY XXXXX VVV
R 132146Z
BT
XXXXX
[] 993

DE YEKHSK 5A 1032238
R 132146Z
FM COMNAVSEGRU
[]

INFO CNO
CINCUSNAVEUR
CINCLANTFLT
COMSIXTHFLT
COMNAVINTCOM
DIRNSA
YSNKGAC/SAFSS (SOC)
YSNKLAC/NRL
ZEM

~~TOP SECRET~~ BBBBBB EARPOP BYEMAN CHANNELS

CNO HOLD AND PASS TO NRL
CINCUSNAVEUR HOLD AND PASS TO USCOMEASTLANT
DIRNSA FOR K4/SPO

SOC FOR CDR []
SPECIAL REPORTING REQUIREMENTS

A. MY 102148Z APR 70

1. FURTHER REF A. [] EMITTER INTOPTS WITH
IMPACTS GREENLAND-NORWEGIAN-BARENTS SEAS SHOULD BE GIVEN
PRIORITY PROCESSING EMPHASIS AHEAD OF THOSE MEDITERRANEAN
AREA.

2. UNODIR SPECIAL REPORTING REQUIREMENT REF A EFFECTIVE
UNTIL 010001Z MAY. ALL "SPECIAL SHIPBORNE LOCATION
REPORTS" SHOULD BE IN TANGO/KILO CHANNELS ONLY.

GP-1

155

Handle via BYEMAN
Control System

~~TOP SECRET~~ []
OR 08
4-18-70
5614

Handle via BYEMAN
Control System

~~TOP SECRET~~ []

NNNN
TWX703
PP RUXQAAJ
DE RUXQAA 953 1060930
ZNY XXXXX VVV
P 160930Z
BT
XXXXX

014

Handle via BYEMAN
Control System

~~TOP SECRET~~

O P 160235Z ZYH ZYS
FM CINCLANTFLT
TO COMNAVSECGRU

INFO CNO
COMNAVINTCOM
CINCUSNAVEUR
COMSIXTHFLT
DIRCSA
YSNKQAC/SAFSS (SOC)
YSNKLAC/NRL
ZEM

~~TOP SECRET~~ BBBB EARPOP BYEMAN CHANNELS
CNO HOLD AND PASS TO NRL
CINCUSNAVEUR HOLD AND PASS TO USCOMEASTLANT
DIRNSA FOR K4/SPO
SOC FOR

SPECIAL SHIPBOARD LOCATION REPORTS LANT

A. CINCLANTFLT 072025Z APR 70 (NOTAL)

B. COMNAVINTCOM 101908Z APR 70 (NOTAL)

C. COMNAVSECGRU 102148Z APR 70

1. USS THOMAS J. GARY REPORTS VISUAL SIGHTING MOSKVA
CLASS CHG LENINGRAD ENTERING ATLANTIC 152040Z APR 70
POSIT 35-58N, 05-36W. VESSELS KNOWN IN COMPANY KASHIN
CLASS DLG 524 AND 533, SVERDLOV CLASS CLG 846, AND
KILDIN CLASS DDGS 971. ESTIMATE LATTER FOUR MAY ALSO
EXIT MEDITERRANEAN.

2. IF WITHIN THE PARAMETERS OF APPROVAL AND TASKING
REFLECZED REFS B AND C, REQUEST ADDITION SOVIET VESSELS
PARA 1 ABOVE TO LISTING REF A, AND INCLUSION OF THESE
VESSELS IN SPECIAL SHIPBOARD LOCATION REPORTING LANT.

240

Handle via BYEMAN
Control System

~~TOP SECRET~~

PP RUXQAAJ
DE RUXQAA 947 1060415
ZNY XXXXX VVV
P 160255Z
BT
XXXXX

010

~~TOP SECRET~~

Handle via BYEMAN
Control System

O P 160255Z ZYH ZYS
FM CINCLANTFLT
TO COMNAVSECGRU

INFO CNO
COMNAVINTCOM
CINCUSNAVEUR
COMSIXTHFLT
DIRNSA
YSNKQAC/SAFSS (SOC)
YSNKLAC/NRL
ZEM

~~TOP SECRET~~ BBBBBB EARPOP BYEMAN CHANNELS
CNO HOLD AND PASS TO NRL
CINCUSNAVEUR HOLD AND PASS TO USCOMEASTLANT
DIRNSA FOR K4/SPO

SOC FOR

SPECIAL SHIPBOARD LOCATION REPORTS LANT

A. CINCLANTFLT 072025Z APR 70 (NOTAL)

B. COMNAVINTCOM 101908Z APR 70 (NOTAL)

C. COMNAVSECGRU 102148Z APR 70

1. USS THOMAS J. GARY REPORTS VISUAL SIGHTING MOSKVA
CLASS CHG LENINGRAD ENTERING ATLANTIC 152040Z APR 70
POSIT 35-58N, 05-36W. VESSELS KNOWN IN COMPANY KASHIN
CLASS DLG 524 AND 533, SVERDLOV CLASS CLG 846, AND
KILDIN CLASS DDGS 971. ESTIMATE LATTER FOUR MAY ALSO
EXIT MEDITERRANEAN.

2. IF WITHIN THE PARAMETERS OF APPROVAL AND TASKING
REFLECTED REFS B AND C, REQUEST ADDITION SOVIET VESSELS
PARA 1 ABOVE TO LISTING REF A, AND INCLUSION OF THESE
VESSELS IN SPECIAL SHIPBOARD LOCATION REPORTING LANT.
240

~~TOP SECRET~~

Handle via BYEMAN
Control System

TOR 0815
4-16-70
5614
5170

PP RUXQAAJ
DE RUXQAA 001 1062340
ZNY XXXXX VVV
P 162340Z
BT
XXXXX
[] 026

Handle via BYEMAN
Control System

~~TOP SECRET~~ []

P 161518Z
FM COMNAVSECGRU
TO []
INFO CNO
COMNAVINTCOM
CINCUSNAVEUR
COMSIXTHFLT
CINCLANTFLT
DIRNSA
YSNKLAC/NRL
YSNKQAC/SAFSS (SOC)
ZEM

~~TOP SECRET~~ BBBB EARPOP BYEMAN CHANNELS
CNO HOLD AND PASS TO NRL
CINCUSNAVEUR HOLD AND PASS TO USCOMEASTLANT
DIRNSA FOR K4/SPO
SOC FOR []

SPECIAL REPORTING REQUIREMENTS (C)

A. CINCLANTFLT 160235Z APR 70

B. MY 132146Z APR 70

1. REF A REPORTED CHG LENINGRAD TRANSITED GIB INTO EASTERN NORTH ATLANTIC 15 APR AND REQUESTED EXPANDED POPPY GEOLOCATION SUPPORT. NFOIO CONFIRMS KASHINS 524 AND 533, SVERDLOV 846, AND KILDIN 971 TRANSITED GIB WITH LENINGRAD.

2. ACCORDINGLY, INCLUDE SOVIET NAVAL EMITTER GEOLOCATION IMPACTS IN EASTERN NORTH ATLANTIC WITHIN PRIORITY EMPHASIS CRITERIA ESTAB PARA 1 REF B, AND FWD RESULTS IN "SPECIAL SHIPBORNE LOCATION REPORT LANT".

3. INCLUDE COMSIXTHFLT AS INFO ADDEE "SPECIAL SHIPBORNE LOCATION REPORT LANT" AND CINCLANTFLT AS INFO ADDEE "SPECIAL SHIPBORNE LOCATION REPORT MED".

GP-1

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TOR 0832
4-17-70
5614
5170

Handle via BYEMAN
Control System

~~TOP SECRET~~ []

NNNN
 TWX867
 RR RUXQAAL RUXQAAJ
 DE RUXQAA 290 1142132
 ZNY XXXXX VVV
 R 242010Z
 BT
 XXXXX
 CONQUER 346 ¹⁴⁵

~~SECRET~~

Handle via BYEMAN
 Control System

~~TOP SECRET~~

~~SECRET~~ 242010Z CITE APR 70 MARGO 0365-70.
 ROUTINE CONQUER INFO PROBE, WAHOO, WHIG, PILOT
 EARPOP

REF MARGO MSG DTG 211800Z JAN. ADJUST PROCESSING PRIORITY FOR
 TO REFLECT NEXT TO NEW AND UNIDENT SIG
 THIS ADJUSTMENT IS TEMPORARY AND WILL EXTEND THRU APPROX 10 MAY.
 SECRET
 BT

~~SECRET~~

Handle via BYEMAN
 Control System

~~TOP SECRET~~ DDDDD EARPOP BYEMAN CHANNELS ONLY
 POPPY TASKING

- A. CINCLANTFLT 222125Z APR 70 NOTAL
1. USIB HAS APPROVED EXTENSION OF POPPY SUPPORT TO CINCLANTFLT AND CINCUSNAVEUR FOR PERIOD OF 10 DAYS. CURRENT AUTHORIZATION EXTENDS UNTIL 110001Z MAY 70. REQUIREMENTS FOR FURTHER EXTENSIONS WILL BE FORWARDED TO USIB AS RECEIVED FROM COMMANDERS.
 2. FOR COMNAVSECGRU. REQ TAKE NECESSARY ACTION TO IMPLEMENT SUPPORT AUTHORIZED. PRIORITY FOR GEOPOSITIONING, AND REPORTING, REMAINS UNCHANGED.
- 150

~~TOP SECRET~~

Handle via BYEMAN
 Control System

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7107

PP RUXQBA
DE RUXQAA 617 0961750
ZNY XXXXX SSS
P R 061750Z
BT
XXXXX
CATOR 719 916
CATOR PASS CHARGE

Handle via ~~SECRET~~
Control System

~~SECRET~~

TOR 13⁰⁵

4-6-70

5614

5170

~~SECRET~~ BBBBB BYEMAN CHANNELS 061440Z APR 70 CITE PROBE 7-70
PRIORITY CHARGE INFO WHIG
1. PROGRAM CHRLIE IS PRESENTLY PROPOSING TO THE NRO
TWO ALTERNATIVE CONCEPTS FOR MISSION 7107.
2. FIRST CONCEPT INVOLVES A SPACECRAFT LARGER THAN 7106
AND WOULD REQUIRE DESIGN AND DEVELOPMENT OF A TRUSS TO
INTERFACE THE SPACECRAFT WITH THE AGENA VEHICLE.
3. SECOND CONCEPT INVOLVES SAME SPACECRAFT AND AGENA
CONFIGURATION AS USED ON MISSION 7106.
4. IN ORDER TO FULLY EVALUATE BOTH CONCEPTS, REQUEST COST
ESTIMATES ON BOTH TO COVER BOOSTER AND LAUNCH COSTS.
5. MR. WILHELM, NAVAL RESEARCH LAB, WILL INITIATE LIAISON
WITH YOUR STAFF.

~~SECRET~~
BT

Handle via ~~SECRET~~
Control System

~~SECRET~~

NNNN QSL UR 916 CUL KK

QWX719

RR RUXQAAJ

DE RUXQAA 997 1062325

ZNY XXXXX VVV

R 162324Z

BT

XXXXX

024

Handle via BYEMAN
Control System~~SECRET~~~~SECRET~~ 161921Z APR 70 CITE CHARGE 1700.

PROBE, [] WHIG

EARPOP

WHIG FOR []

SUBJECT: MISSION 7107 BOOSTER

1. REFERENCE TWX PROBE 7-70.

2. THE COST ESTIMATES ARE AS FOLLOWS:

CONCEPT 1, 30-MO. SCHEDULE, HEAVY PAYLOADS

	FY 71	FY 72	FY 73	
THORAD/AGENA	.5	1.5	.2	
PAYLOAD VEHICLE	1.3	2.5	1.5	
LAUNCH		.6	4.0	
TOTAL	1.8	4.6	5.7	13.1
TITAN III B	2.0	3.0		
PAYLOAD VEHICLE		1.8	.2	

5170

5614

1010

PAGE 2 CHARGE 1700 ~~SECRET~~

	#	3.0	1.0	1.2
LAUNCH				
TOTAL		5.0	6.0	1.4

#NON-RECURRING COST

CONCEPT 2, 18-MONTH SCHEDULE, LIGHT PAYLOADS LIKE MISSION 7106

	FY 71	FY 72	FY 73	
THORAD/AGENA	1.5	.2	0	
PAYLOAD VEHICLE	.1	.1	0	
LAUNCH	.8	2.5	0	
TOTAL	2.4	2.8	0	5.2

2. THE THORAD/AGENA ESTIMATE IS BASED UPON MODIFYING STRAWMAN VEHICLE NO. 5 (2738) TO THE POPPY CONFIGURATION. THE LAUNCH COSTS FOR CONCEPT 2 WILL INCREASE BY 1.3 M IN THE EVENT PROGRAM 846 IS CANCELLED IN CY 71.

3. IN THE EVENT CONCEPT 1 IS DESIRED FOR MISSION 7107, THE TITAN III B BOOSTER IS RECOMMENDED AS THIS RESULTS IN A SAVINGS TO THE FOLLOW-ON MISSION (7108). THE TITAN III B IS CONSIDERED THE MOST ECONOMICAL BOOSTER FOR MISSIONS FOLLOWING 7107 DUE TO THE CLOSEOUT OF THORAD PROGRAMS.

~~SECRET~~

BT

Handle via BYEMAN
Control System~~SECRET~~

NNNN

TWX747
PP RUXQAAJ
DE RUXQAA 034 1071855
ZNY XXXXX VVV

Handle via BYEMAN
Control System

~~SECRET~~ SECRET

TWX747
PP RUXQAAJ
DE RUXQAA 034 1071855
ZNY XXXXX SSS
P R 171855Z
BT
XXXXX
[] 046

TOR 1525
4-17-70
5170

P R 171500Z
FM COMNAVINTCOM
TO CNO (FOR PASS TO SAFSS)
ZEM

~~SECRET~~ BBBB BYEMAN CONTROL CHANNELS
CNO SPINTCOMM PASS TO SAFSS
SAFSS PASS TO CHARGE [] WHIG
171500Z APR 70 CITE PROBE 11/70
PRIORITY CHARGE ROUTINE INFO CEBAR WHIG
CHARGE FOR []

1. THIS CONFIRMS TELCON [] WILHELM [] 16 APR REQUESTING COST ESTIMATES FOR TWO ADDITIONAL OPTIONS FOR MISSION 7107.
2. REQUEST BOOSTER AND LAUNCH COSTS FOR FOLLOWING OPTIONS OF 7107.
 - A. LAUNCH IN MAY 72 (24 MONTHS).
 - B. LAUNCH IN NOV 71 (18 MONTHS) WITH OPTION TO EXTEND TO MAY 72. OPTION TO EXTEND TO BE EXERCISED IN APRIL 71 OR EARLIER.
3. COST ESTIMATES SHOULD BE BASED ON IDENTICAL PAYLOAD VEHICLE CONFIGURATION USED TO ESTIMATE COSTS ON PREVIOUSLY REQUESTED 18 MONTH OPTION NOW BEING PROVIDED PROBE.
4. REQUEST COST ESTIMATES BY 22 APRIL FOR INCLUSION IN 7107 PROPOSAL PRESENTATION TO NRO.

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Control System

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BT

NNNNTHATS ALL

QSL UR 743 THRU 747 CLER CLEARING KK

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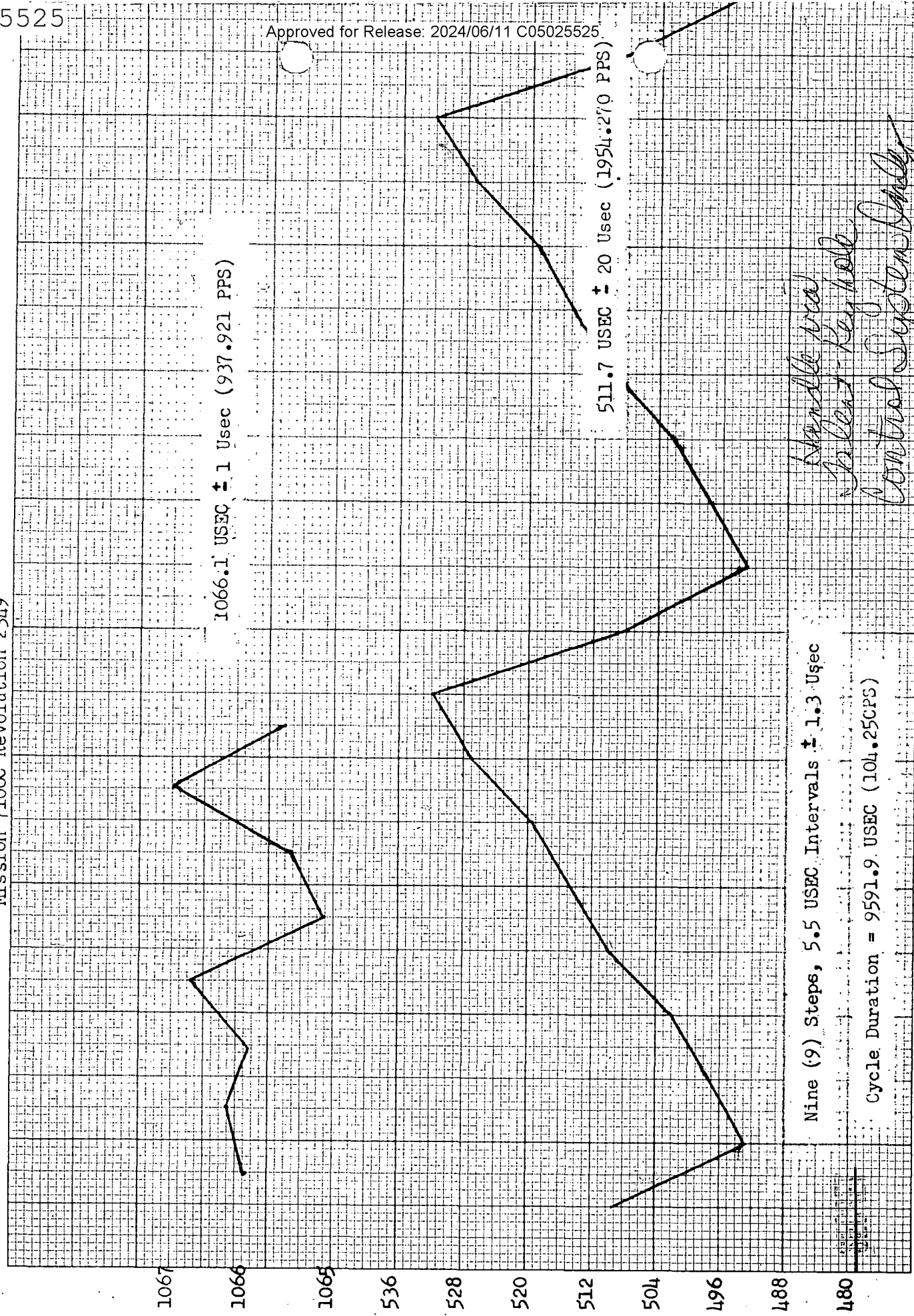
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EUGENE DIETZGEN CO.
MADE IN U. S. A.

NO. 341-16 DIETZGEN GRAPH PAPER
16 X 16 PER INCH

Mission 7106C Revolution 2349



Nine (9) Steps, 5.5 USEC Intervals ± 1.3 USEC

Cycle Duration = 9591.9 USEC (104.25CPS)

Handwritten notes:
Stable trial
Inlet - Keyhole
Control System Only