

Flash Report
X-111

JOINT MESSAGEFORM

SECURITY CLASSIFICATION

SPACE BELOW RESERVED FOR COMMENTS

VII

[REDACTED] c. d. 1

PRECEDENCE	TYPE MSG: ((Code))			ACCOUNTING SYMBOL	ORIG. OR REFERS TO	CLASSIFICATION OF REFERENCE
ACTION	BOOK	MULTI	SINGLE			

FROM: [REDACTED]

TO: [REDACTED]

1. [REDACTED]

2. [REDACTED]

3. [REDACTED]

11-42-8 [REDACTED]

1055

237

SPECIAL INSTRUCTIONS

CLASSIFICATION CHANGED TO [REDACTED]

DECLASSIFIED AT 5 YEAR PERIOD

DECLASSIFIED AFTER 12 YEARS

FOR SECURITY REASONS

APR 1965

DATE: 30 MONTH 15 YEAR 1965

SYMBOL

TYPED NAME AND TITLE (Signature, if required)

PHONE

SECURITY CLASSIFICATION

SIGNATURE

TYPED (or stamped) NAME AND TITLE

JOHN J. GUY, JR., COLONEL, USAF

JOINT MESSAGEFORM CONTINUATION SHEET

SECURITY

CLASS, WASHINGTON FIELD OFFICE, WASHINGTON, D.C., CALIFORNIA

3.1. DISCOVERER SATELLITE ATTITUDE AND ADAPTS. THE DISCOVERER ATTITUDE MUST DEMONSTRATE ITS CAPABILITY WITH A CIRCUIT BOARD, SWITCHING, BURNING BOARD BOARD AND REAR PANEL REVISIONS.

3.2. DISCOVERER DETAILING REGULATIONS GENERAL. THE DISCOVERER REGULATIONS MUST DEMONSTRATE THE FOLLOWING:

- A. NUMBER OF THE 112-00-00-00 BOARD BOARD IN A TABLE.
- B. ANALYSIS OF THE BOARD BOARD TO PROVIDE THE TOTAL BOARD BOARD TO ATTAIN GENERAL VELOCITY.
- C. BOARD TRANSLATION UTILIZATION.

3.3. DISCOVERER SATELLITE AND SYSTEM. THE DISCOVERER SATELLITE BOARD MUST DEMONSTRATE ADEQUATE PERFORMANCE OF ITS COMPONENTS, ESPECIALLY BATTERIES AND SWITCHING.

3.4. DISCOVERER GUIDANCE AND CONTROL SYSTEM. THE DISCOVERER GUIDANCE AND CONTROL SYSTEM MUST DEMONSTRATE THE ABILITY OF ITS COMPONENTS TO:

- A. INCREASE THE TIME TO INCREASE GENERAL BOARD AND THE VELOCITY TO BE OBTAINED DURING GENERAL BOARD, USING THE SHOWN CONTROL TIME REQUIREMENT.
- B. INCREASE AND THROUGHOUT GENERAL BOARD AT THE PROPER TIME.
- C. MAINTAIN PROPER VELOCITY UTILIZATION DURING THE CLIMB, GENERAL BOARD AND THROUGHOUT BOARD WHILE THE REACTION OF THE RECOVERABLE CAPTURES (INCLUDING BOARD FUNCTIONS OF THE SATELLITE'S COMPUTER).

SYMBOL	PAGE	NR. OF	INITIALS
W0000	2	3	[REDACTED]

DD FORM 173-1 MAY 64

U.S. GOVERNMENT PRINTING OFFICE: 1964 O-548-548

JOINT MESSAGEFORM CONTINUATION SHEET

SECURITY

FROM:

CHIEF, AIRSO FIELD OFFICE, VANNUSS AFB, CALIFORNIA

HOSPITAL, AIRSO FIELD OFFICE, VANNUSS AFB, CALIFORNIA (RE: [REDACTED])

1.5. RESEARCHER, AIRSO FIELD OFFICE, TRACKING AND CONTROL EQUIPMENT, AIRSO AND [REDACTED] TRACKING AND CONTROL EQUIPMENT MUST IMPROVE THE ABILITY OF THEIR OWNERS TO:

A. SATISFACTORILY SERVICE ALL RESEARCH VEHICLE FUNCTIONS (TEST AND DEVELOPMENT) AND MAINTAIN ADEQUATE RECORDS OF THESE FUNCTIONS.

B. PROMPTLY RECEIVE, ACT UPON, AND VERIFY ALL RESEARCH VEHICLE COMMANDS, AND INSURE THAT NO RESEARCH COMMANDS ARE ACTED UPON.

C. SEND THE COMMAND TO AIRSO THE EARLIEST POSSIBLE TIME TO INITIATE AND MAINTAIN CONTROL POINT AT THE RESEARCH VEHICLE.

D. MAINTAIN AN INVENTORY OF RESEARCH VEHICLE SUFFICIENTLY ACCURATE TO ASSIST IDENTIFICATION OF EACH RESEARCH VEHICLE AND TO ALLOW THE VEHICLE TIME TO BE ASSIGNED WITH SUFFICIENT ACCURACY TO PROGRAM THE RESEARCH VEHICLE FUNCTIONS.

1. RESEARCH OBJECTIVE TO BECOME AN CHIEF WAS SATISFACTORILY ACHIEVED AS EVIDENCED BY ACQUISITION OF ALL TRACKING AIDS AT [REDACTED], [REDACTED] AND [REDACTED] OF THE FIRST PASS.

1.1. RESEARCH OBJECTIVE OF IDENTIFICATION OF ONE COMPONENT TO THE SATELLITE WAS IDENTIFICATION SATISFACTORILY BY THE SUCCESSFUL LAUNCH. SOME OF THE PROBLEMS WERE ELIMINATED, BUT ALL WERE CORRECTED.

1.2. RESEARCH OBJECTIVE OF THE FIRST RESEARCH VEHICLE TO PROVIDE SATELLITE DATA SO AS TO ACHIEVE AN CHIEF WAS SATISFACTORILY IDENTIFIED.

SYMBOL:

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JOINT MESSAGEFORM CONTINUATION SHEET

SECURITY CLASSIFICATION

FROM: CHIEF, ARMO FIELD OFFICE, WASHINGTON AFB, CALIF. [REDACTED]

CREATED. MAIN BEING BURNING TIME WAS APPROXIMATELY 16.2 SECONDS WITH VEHICLE CUT OFF APPROXIMATELY 9.4 SECONDS LATER. THE MAIN BEING CHARGE BURNING BURNING WAS NOT RECORDED.

4.3. PRIMARY OBJECTIVE OF SAFETY AIRFRAME TO MEET INITIAL-INITIAL CONDITIONS WAS SATISFACTORILY DEMONSTRATED BY SUCCESSFUL OPERATION OF TRACKING AIDS ON VEHICLE WAS INDICATED SUCCESSFUL DEMONSTRATION. OPERATION OCCURRED 8 SECONDS AFTER BURNING CUT OFF.

4.4. PRIMARY OBJECTIVE OF SAFETY PROPELLANT SYSTEM TO PROVIDE VACUUM EXHAUST, THERM INSULATION AND IMMEDIATE VENTILATION WAS SATISFACTORILY DEMONSTRATED BY SUCCESSFUL OPERATION AFTER A COAST BURNING OF APPROXIMATELY 130 SECONDS AFTER SEPARATION. THE REQUESTED BURNING TIME 130 SECONDS AS PROGRAMMED, INCREASED BURNING PROPELLANT UTILIZATION. THERM INSULATION BEING WAS OPERATED AS INDICATED BY FIRST CHIEF PASS ON BURNING TIME. THE REQUESTED BURNING VELOCITY BASED ON NEW DATA WAS 26,110 FT/SECOND.

4.4. THE ABILITY OF THE CHIEF SYSTEM TO INITIATE AND TERMINATE BOOST AND CONTROL VEHICLE ORIENTATION FOR THIS LAUNCH IS UNDETERMINED AT THIS TIME.

4.7. PRIMARY OBJECTIVE OF THE GROUND SPACE COMMUNICATIONS SYSTEM TO FUNCTION PROBABLY AND CONTROL AS REQUESTED WAS DEMONSTRATED SATISFACTORILY. ACQUISITION WAS ACHIEVED WHEN PROVIDED WITH ALL PARAMETERS MISSING OFF WITH THE EXCEPTION OF THE TE SIGNAL FOR THE

SYMBOL

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SECURITY CLASSIFICATION

INITIALS

DD FORM 173-1 MAY 68

44-954-50-1-573-1

JOINT MESSAGEFORM CONTINUATION SHEET

SECURITY CLASSIFICATION

FROM:

ARMED STAFF OFFICE, WASHINGTON AIR, GALT

RE: [REDACTED]

1.A. ALL SECURITY CHECKS WERE ACCOMPLISHED. RESULTS ARE
FURNISHED TO THE SECURITY DIRECTOR.

1.C. ALL TRAVEL CHECKS WERE ACCOMPLISHED.

1.O. THE FOLLOWING ADDITIONAL INFORMATION IS REPORTED:

A. [REDACTED]

B. [REDACTED]

NOTE:

ALL COPIES OF REPORTS AND UNRECORDED TAPES ARE SENT.

FOR RECORD AND CONTROL. FURTHER DETAILED INFORMATION WILL BE PRO-
VIDED IN THE FOLLOWING REPORT.

SYMBOL

[REDACTED]

PAGE
NO.

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SECURITY CLASSIFICATION

[REDACTED]

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MAY 26 1964

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