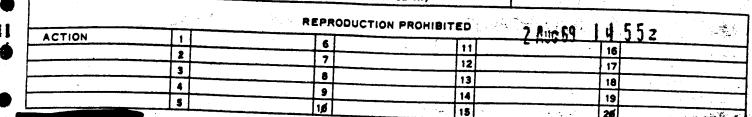
## SECRET

(When Filled In)





FILE INFO

TOPSECRET 82 14 80% AUG 69 CITE

IMMED TATE

PRIORITY INFO

AC 1107-1

B. PECOVERY OF "A" BUCKET WAS ACCOMPLISHED

VIA WATER PICKUP BECAUSE THE INPACT POINT WAS 150 MILES

NORTH OF PREDICTED. THIS WAS DUE TO AN ERROR HADE WHILE

RUNNING THE RE-ENTRY PREDICTION COMPUTER RUN.

C. THE SCF NORMALLY USES AN OPEN FORM SOLUTION

TO THE ORBIT, BUT THE RE-ENTRY PROGRAM

USES A CLOSED FORM SOLUTION, THE SAME

AS THAT ON THE WHENEVED A

AS INAL ON THE

WHENEVER A PHU

OCCURS WITHIN SEVERAL REVS OF A RECOVERY,

THE INTERFACE BETWEEN THE TWO PROGRAMS PROVIDES

ERRONEOUS DATA TO THE RE-ENTRY PROGRAM. TO

OVERCOME THIS SOFTWARE PROBLEM, PROCEDURES

) ARE SET UP TO MOVE THE DATA REFERENCE

Declassified and Released by the NRC

in Accordance with E O. 12958

on MUV 6

-SECRET

FILE INFO

(When Filled In)

|        |   | REPRODUCTION | PROHIBITED |    |
|--------|---|--------------|------------|----|
| ACTION | 1 | 6            | 11         | 16 |
|        | 2 | 7            | 12         | 17 |
|        | 3 | 8            | 13         | 18 |
|        | 4 | 9            | 14         | 19 |
|        | 5 | 16           | 15         | 25 |

PAGE TWO

POINT (EPOCH) PAST THE DMU AND STILL INCLUDE

THE PESULT OF THIS FIRING. IN THIS CASE,

THE WRONG FUNCTION CARD WAS USED DUE TO

PERSONNEL ERROR AND THE RE-ENTRY DATA

DID NOT INCLUDE THE DMU FIRING RESULTS.

THIS FACT ESCAPED THE CHECKS MADE ON THE

RUN AND THE TIMER WAS MOVED TO THE

WRONG RESET TIME. CAUSING THE RECOVERY

SEQUENCE TO OCCUR EARLY.