



~~SECRET~~
(When Filled In)

(P)

FILE INFO

REPRODUCTION PROHIBITED

2 Aug 69 14 55z

ACTION	1	6	11	16
	2	7	12	17
	3	8	13	18
	4	9	14	19
	5	10	15	20

~~TOP SECRET~~ 021400Z AUG 69 CITE [REDACTED]

IMMEDIATE [REDACTED] PRIORITY INFO [REDACTED]

A 1107-1

B. RECOVERY OF "A" BUCKET WAS ACCOMPLISHED VIA WATER PICKUP BECAUSE THE IMPACT POINT WAS 150 MILES NORTH OF PREDICTED. THIS WAS DUE TO AN ERROR MADE 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 [REDACTED] WHENEVER A PMU 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 NOV 26 1994

CLASSIFIED MESSAGE

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PAGE TWO [REDACTED] ~~TOP SECRET~~

POINT (EPOCH) PAST THE DMU AND STILL INCLUDE THE RESULT 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.

~~TOP SECRET~~