

PRIORITY~~Handle via DYEMAN~~
~~Control System~~**INCOMING**

1964 JUL 2 22 59

SAFSS

05086

D 0771/0222 16Z ZEA ZPO OPCEW WORTH

BT

YXXXX ZEA

TWO FIVE ONE OPCEW ZERO FOUR FIVE GUARD THREE SEVEN FIVE WORTH

GUARD PASS MARGO

OPCEW PASS ADIC

25X1

TOP SECRET 022 50Z

PRIORITY WANDU INFO PRIORITY WHIG WORTH MARGO ADIC CITE [] 2091

REINDEER-X

REF A. 7304

B. [] 2044 (NOTAL)

1. "EPOCHREV" IN REF B. SHOULD BE CHANGED TO 1 VICE 0. REV NUMBERS FOR CHECK POINTS SHOULD BE 2 AND 3 VICE 1 AND 2. FOR DATA ALREADY PREPARED FROM THESE ELEMENTS, THE EFFECT WILL BE TO INCREASE REV NUMBER BY ONE. REASON FOR CHANGE IS SO THAT AGENA REV NUMBERING WILL BE IDENTICAL WITH THE P-11.

2. BOOSTER IS SCHEDULED FOR LAUNCH BETWEEN 06/1810Z AND 06/2210Z JUL. P-11/AGENA SEPARATION WILL OCCUR AT BOOSTER LAUNCH PLUS 2853 SEC. P-11 ENGINE BURN (INJECTION) WILL OCCUR AT BOOSTER LAUNCH PLUS 8207 SEC AT ABOUT 50SA. REINDEER-68 INFO MAY NOT BE AVAILABLE UNTIL REV 4 OR 5.

TOP SECRET

CFN 2091 7304 [] 2044 (NOTAL) "EPOCHREV" 1 VICE 0. REV 2 AND 3 VICE

1 AND 2. AGENA P-11. 06/1810Z AND 06/2210 JUL P-11/AGENA

2853 SEC. P-11 BOOSTER 8207 SEC 50SA. REINDEER-68 REV 4 OR 5.

BT

7304

05086

NNNN

~~TOP SECRET~~~~Handle via DYEMAN~~~~Control System~~

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6		7
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		2
RF-2		3
FILE		

25X1

Copy-- 1 of 3 Pages
 Page of Pages
 Control No.

~~TOP SECRET~~
INCOMING

~~Handle via BYEMAN~~
~~Control System~~

IN

9613

1964 JUL 15 15 34

SAFSS

/ 15 1520Z ZEA

BT

XXXXX ZEA

FOUR TWO TWO

25X1

TOP SECRET 15 15 14Z

PRIORITY INFO WHIG CITE WAHOO 4064

REINDEER-X

A. 7304

B. IN VIEW EXCELLENT PERFORMANCE THIS MISSION,
REDUCE FREQUENCY OF SUBMISSION REINDEER-71 TO ONCE
A WEEK.

TOP SECRET

CFN: 4064 7304 71

BT

7304

NNNN

9613

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6		1
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
SS-12		
SS-13		
SS-14		
SS-15		

54 / **PRIORITY** Ap

~~TOP SECRET~~
d for Release: 2024/08/06 C
~~Handle via BYEMAN~~
~~Control System~~

INCOMING

1964 JUL 16 01 45

SAFSS 09650

D 10936/160125Z ZEA ZPO WORTH

BT

XXXXXX ZEA

TWO ZERO TWO GUARD

FOUR TWO ONE WORTH

ONE WEVEN EIGHT

WAHOO PASS MARGO

~~TOP SECRET~~ 160120Z

PRIORITY WHIG INFO WAHOO WORTH [] MARGO CITE [] 2256
RE INDEER-70/WEDGE

RE INDEER-70/WEDGE

A. 7304

8. 143

C. N/A

D. INDEF

E. NORMAL, EXCEPT LAST TWO READOUTS REPORTED AS 15 TO 20 SECONDS SHORTER THAN NOMINAL. TAPES NOT YET EXAMINED.

~~TOP SECRET~~

CFN: 2256 RE INDEER-70/WEDGE 7304 143 N/A INDEF LAST TWO 15 TO 20 NOT YET EXAMINED

by

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	/	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
SS-1		2
SS-2		3
SS-3		2

7304

NNNN

C 9650

INCOMING

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

1964 JUL 16 19 58

09670

SAFSS

/161954Z ZEA

BT

XXXXX ZEA

FOUR TWO SIX SEVEN TWO ONE WORTH

TOP SECRET 161954Z

PRIORITY INFO WHIG WORTH CITE WAHOO 4091

REINDEER-11

A. 7304

B. N/A

C. BATTERY RECHARGE PERIOD PROPOSED IN
2251 SATISFACTORY.

TOP SECRET

CFN: 4091 REINDEER-11 7304 N/A 2251

BT

7304

NNNN

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6		
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RP-1		
RP-2		
RP-3		

INCOMING

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

1964 JUL 17 02

SAFSS 09 A08

XXXXX ZEA

TWO ZERO FIVE GUARD FOUR TWO THREE WORTH ONE SEVEN NINE
WAHOO PASS MARGO

TOP SECRET 170120Z

PRIORITY WHIG INFO WAHOO WORTH [] MARGO CITE []-2259
RE INDEER-70/WEDGE

A. 7304
B. 159
C. N/A
D. INDEF.
E. NOMINAL

TOP SECRET

CFN 2259

RE INDEER-70 WEDGE

A. 7304
B. 159
C. N/A
D. INDEF.
E. NOMINAL

97

1994

~~TOP SECRET~~
~~Handle as COMINT~~
~~Control Policy C~~

DISTRIBUTION		
SALVS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	/	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
SS-12		
SS-13		
SS-14		

25X1

09705

D 10946/172332Z ZEA ZPO WORTH

1964 JUL 17 23 52

XXXXX ZEA

SAFSS

9747

TWO ONE ZERO GUARD FOUR TWO NINE WORTH ONE EIGHT TWO
GUARD PASS MARGO

B-660 C-
F-796

25X1

TOP SECRET 172315Z

PRIORITY WHIG INFO WAMOO WORTH MARGO

2266

RE INDEER-70/WEDGE

- A. 7304
- B. 175
- C. N/A
- D. INDEF
- E. NORMAL

TOP SECRET

CFN: 2266 RE INDEER-70/WEDGE A. 7304 B. 175 C. N/A D. INDEF

E. NORMAL

BT

7304

NNNN

DISTRIBUTION	
SAFSS	
SS-1	
SS-2	
SS-3	
SS-4	
SS-5	
SS-6	1
SS-7	
SS-8	
SS-9	
SS-10	
SS-11	
RV-1	
RV-2	2
RV-3	3

9747

~~Handle via BYEMAN~~
~~Control System~~

INCOMING

1964 JUL 18 00 05

SAFSS 9745

D 10 49/172335Z ZEA
BT
XXXXX ZEA
TWO ONE THREE GUARD

TOP SECRET 172320Z
PRIORITY WAHOO INFO WHIG CITE 2269
REINDEER-X

A. 7304
B. REV 284 HULA HAS CONTACT TIME OF 373 SEC. SOME READOUT
WOULD BE LOST, IF COMMANDING IS DONE THEN. DO YOU WISH TO USE
ALTERNATE REV 285?
TOP SECRET
CFN: 2269 REINDEER-X A. 7304 B. REV 284 HULA 373 SEC IS DONE THEN
DO YOU WISH TO USE ALTERNATE REV 285?
BT

25X1

7304

NNNN

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6		
SS-7	1	
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		2
RF-2		3

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

9745

Copy 1 of 3 Pages
Page 1 of 3 Pages
Control No.

PRIORITY~~Handle via BYEMAN~~
~~Control System~~**INCOMING**

1964 JUL 19 19 51

09773

D 10951 191925Z ZEA ZPO WORTH
BT
XXXXX ZEA
TWO ONE FIVE GUARD
FOUR THREE ONE WORTH
ONE EIGHT FOUR
GUARD PASS MARGO

SAFSS

T O P S E C R E T 191920Z

PRIORITY WHIG INFO WAKOO WORTH MARGO CITE -2271
RE INDEER-70/WE

25X1

- A. 7304
- B. 198
- C. N/A
- D. INDEF

E. ON LAST THREE READOUTS ONLY ONE OF THE TWO TAPE RECORDERS HAS READ OUT. INDICATIONS POINT TO A TAPE RECORDER FAILURE, ALTHOUGH A SLIGHT POSSIBILITY EXISTS THAT THE TIMER IS AT FAULT. MORE TESTS WILL BE MADE DURING BATTERY RECHARGE PERIOD FROM REV 206 TO REV 230. IF TAPE RECORDER HAS INDEED FAILED, ONLY ONE-HALF THE READ IN CAPABILITY (TWO READ IN PERIODS FROM EACH COMMAND VICE FOUR) WILL EXIST.

T O P S E C R E T

CFN-2271

RE INDEER-70/WEDGE 7304 198 N/A INDEF REV 206 REV 230 ONE-HALF
BT

7304

NNNN

09773

SS-1	
SS-2	
SS-3	
SS-4	
SS-5	
SS-6	1
SS-7	1
SS-8	
SS-9	
SS-10	
SS-11	

2
3~~TOP SECRET~~~~Handle via BYEMAN~~~~Control System~~

1 of 3 Pages.
of Pages.

PRIORITY INCOMING

1966 JUL 19 10 59

SAFSS

010952 19/1926Z ZEA ZPO WORTH
BT
XXXXX ZEA
TWO ONE SIX GUARD
FOUR THREE TWO WORTH

TOP SECRET 191920Z
PRIORITY WAMCO INFO WHIG WORTH CITE [] 2272
REINDEER-X
REF A. 7304

B. [] 2271

1. ASSUMING TAPE RECORDER IS AT FAULT, WITH A SPECIAL COMMAND
SEQUENCE EITHER THE FIRST TWO OR THE LAST TWO READING PERIODS OF
A SERIES MAY BE SELECTED.

2. REQUEST SUPPLEMENTAL REINDEER-11 STARTING WITH REV 230
INDICATING WHICH PAIR IS DESIRED FOR EACH COMMANDED SERIES.

TOP SECRET
CFN-2272 REINDEER-X 7304 [] 2271 REINDEER-11 REV 230
BT

7304

NNNN

DISPATCH		
SAFSS		
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	1	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		2
RF-2		3
FILE		

~~TOP SECRET~~~~Handle via BYEMAN~~~~Control System~~

13

Page 1 of 1

Control No. 13

PRIORITY

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

INCOMING

1964 JUL 21 19 58

SAFSS 9838

DID958/211944Z ZEA ZPO WORTH
BT
XXXXX ZEA
TWO TWO TWO GUARD
FOUR THREE SIX WORTH
ONE EIGHT NINE
WAHOO PASS MARGO

7304

TOP SECRET 211920Z
PRIORITY WHIG INFO WAHOO WORTH MARGO CITE 2278
REINDEER-70/WEDGE

25X1

- A. 7304
- B. 230
- C. N/A
- D. INDEF

E. TESTS MADE DURING BATTERY RECHARGE PERIOD SHOWED THAT ONE TAPE RECORDER WAS DEFINITELY ABNORMAL. SYMPTOMS ARE LONGER THAN NORMAL READ-OUT TIME, INDICATING SLOWDOWN OF TAPE TRANSPORT. BATTERY RECHARGE COMPLETED IN TIME FOR NORMAL COMMAND ON REV 222. ON REV 230, READOUT FROM BOTH RECORDERS WAS LONGER THAN NORMAL. TAPE NOT YET EXAMINED. WILL SEND REIN-DEER-70 WHEN ANY NEW INFO IS AVAILABLE.

TOP SECRET
CFN: 2278 REINDEER-70/WEDGE 7304 230 N/A INDEF ONE TAPE RECORDER TAPE TRANSPORT REV 222 REV 230 NOT YET REINDEER-70 INFO
BT

9838

NNNN

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	1	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
SS-12		
SS-13		
SS-14		
SS-15		
SS-16		
SS-17		
SS-18		
SS-19		
SS-20		

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

COPY 1 of 3
PAGE 1
CONTROL NO. 3

~~TOP SECRET~~
~~handle via BYEMAN~~
~~Control System~~

1964 JUL 22 00 44

SAFSS L9856

D10959 212345Z ZEA ZPO WORTH

BT

XXXXX ZEA

TWO TWO THREE GUARD

FOUR THREE SEVEN WORTH

1304

TOP SECRET 212340Z

PRIORITY WAHOO INFO PRIORITY WHIG WORTH CITE [REDACTED] -2279

REINDEER-X

REF A. 7304

B. [REDACTED] 2278

1. ON REV 237 KODI AND HULA BOTH WERE USED FOR READOUT. THE SECOND RECORDER TOOK 609 SEC. TO EMPTY. (360 SE. NOMINAL); THE FIRST RECORDER DID NOT EMPTY COMPLETELY. NO READIN COMMAND SENT. ON REV 238 HULA FIRST RECORDER STILL DIDN'T EMPTY. (POWER HAD BEEN APPLIED FOR A TOTAL OF 1200 SEC) A READIN COMMAND WAS SENT.

2. IN ORDER TO DIAGNOSE PROBLEM AS SOON AS POSSIBLE, PLAN TO DELETE REV 237 COMMANDING SO AS TO BE ABLE TO DUMP AT C/ K ON REVS 251 (AND 252 IF NEEDED) AND BE ABLE TO USE MICROWAVE LINK. WILL REPORT RESULTS AND FEASIBILITY OF RESUMING NORMAL COMMANDING ASAP.

TOP SECRET

CFN-2279

REINDEER-X

REF A. 7304

B. [REDACTED] 2278

1. ON REV 237 KODI AND HULA BOTH WERE USED FOR READOUT. THE SECOND RECORDER TOOK 609 SEC. TO EMPTY. (360 SE. NOMINAL); THE FIRST RECORDER DID NOT EMPTY COMPLETELY. NO READIN COMMAND SENT. ON REV 238 HULA FIRST RECORDER STILL DIDN'T EMPTY. (POWER HAD BEEN APPLIED FOR A TOTAL OF 1200 SEC) A READIN COMMAND WAS SENT.

2. IN ORDER TO DIAGNOSE PROBLEM AS SOON AS POSSIBLE, PLAN TO DELETE REV 237 COMMANDING SO AS TO BE ABLE TO DUMP AT C/ K ON REVS 251 (AND 252 IF NEEDED) AND BE ABLE TO USE MICROWAVE LINK. WILL REPORT RESULTS AND FEASIBILITY OF RESUMING NORMAL COMMANDING ASAP.

BT

SECURITY~~Handle via BYEMAN~~
~~Control System~~**INCOMING**

1964 JUL 23 01 30

SAFSS (9900

DID965/230109Z ZEA ZPO WORTH []

BT

XXXXX ZEA

TWO TWO EIGHT GUARD

FOUR FOUR ONE WORTH

ONE NINE ZERO []

GUARD PASS MARGO

TOP SECRET 230045Z

PRIORITY WHIG INFO ROUTINE WAHOO WORTH [] MARGO CITE [] 2285

REINDEER-70/WEDGE

A. 7304

B. 253

C. N/A

D. INDEF

E. TEST READOUTS AT BOSS REV 250 AND COOK REV 251 AND 252.

T/R #1 TOOK MOST OF 3 CONTACTS TO EMPTY, T/R #2

TOOK 2 CONTACTS. READIN COMMAND SENT ON REV 253, WILL

ATTEMPT TO R/O ON REV 261 IN ONE CONTACT. T/R #1 READOUT

SPEED VARIES CONSIDERABLY. T/R #2 SPEED IS FAIRLY CONSTANT

AT 2/3 NORMAL- DATA SHOULD BE RECOVERABLE. IF MORE THAN ONE

CONTACT IS REQUIRED TO DUMP, A NORMAL TWO-COMMAND-PER-DAY

PATTERN MAY NOT BE POSSIBLE. WILL REPORT ANY FURTHER

DEVELOPMENTS ASAP.

TOP SECRET

CFN: WILL RERUN ON REQ

BT

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	/	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		2
RF-2		3
VILE		

25X1

7304

NNNN

09900

PRIORITY~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~**INCOMING**

1964 JUL 24 01 59

SAFSS

09942

DID971/240130Z ZEA ZPO WORTH

BT

XXXXX ZEA

TWO THREE FOUR GUARD FOUR FOUR FOUR WORTH ONE NINE ONE

WAHOO PASS MARGO

TOP SECRET 240115Z

PRIORITY WHIG INFO WAHOO WORTH MARGO CITE -2291

REINDEER-70/WEDGE

A. 7304

B. 269

C. N/A

D. INDEF.

E. R/O ON REV 261 DID NOT EMPTY TAPES. R/O COMPLETED ON REV 269 - T/R #1 TAKING ABOUT 1347 SEC. TO EMPTY, T/R #2 ABOUT 784 SEC. READIN COMMAND SENT ON REV 269. WILL DELETE REV 277 COMMAND, IF NECESSARY, TO EMPTY AT LEAST T/R #2 BY REV 285.

TOP SECRET

CFN 2291

REINDEER-70/WEDGE

A. 7304

B. 269

C. N/A

D. INDEF.

E. R/O ON REV 261 DID NOT EMPTY TAPES. R/O COMPLETED ON REV 269 - T/R #1 TAKING ABOUT 1347 SEC. TO EMPTY, T/R #2 ABOUT 784 SEC. READIN COMMAND SENT ON REV 269. WILL DELETE REV 277 COMMAND, IF NECESSARY, TO EMPTY AT LEAST T/R #2 BY REV 285.

BT

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	1	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		2
RF-2		3
FILE		

NNNN

09942

~~TOP SECRET~~~~Handle via BYEMAN~~
~~Control System~~

Copy 1 of 3 Copies
Page 1 of 3 Pages
Control No. _____

Control System

PRIORITY

1964 JUL 25 01 18

SAFSS

10001

7304

D ID 982/250026 ZEA ZPO WORTH

BT

XXXXX ZEA

TWO FOUR FOUR GUARD

FOUR FIVE ZERO WORTH

ONE NINE THREE

WAHOO PASS MARGO

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	/	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		2
RF-2		3
FILE		

25X1

TOP SECRET 250015Z

PRIORITY WHIG INFO WAHOO WORTH MARGO CITE 2302

REINDEER-70/WEDGE

- A. 7304
- B. 285
- C. N/A
- D. INDEF

E. READIN COMMAND ON REV 269 SENT AND RECORDERS WERE COMPLETELY
 EMPTIED USING REVS 277, 283 AND 284 NEW READIN SENT ON REV 285. T/R
 #1 TOOK 1045 SEC., #2 - 458 SEC., WHICH IS SOME IMPROVEMENT. UNLESS AT
 LEAST T/R #2 CAN BE DUMPED AT ONE CONTACT. WILL USE EVERY OTHER HULA
 CONTACT (ONCE PER DAY, DESCENDING PASSES) FOR READIN COMMAND.

TOP SECRET

CFN: 2302 REINDEER-70/WEDGE 7304 285 N/A IDEF REV 269 REVS 277 283

284 REV 285 T/R #1 1045 SEC #2 458 SEC T/R #2 HULA ONCE PER

BT

NNNN

TOP SECRET
 10001 Handle via BYEMAN
 Control System

Copy _____ of _____ Copies
 Page _____ of _____ Pages.
 Control No. _____

PRIORITY~~Handle via BYEMAN~~
~~Control System~~**INCOMING**

1964 JUL 31 02 33

SAFSS 10147

7304

DID997/310231Z ZEA ZPO WORTH

BT

XXXXX ZEA

TWO FIVE FIVE GUARD

FOUR FIVE SIX WORTH

ONE NINE FIVE

GUARD PASS MARGO

25X1

T O P S E C R E T 310230Z

PRIORITY WHIG INFO ROUTINE MARGO WAHOO WORTH

CITE

2317

REINDEER-70/WEDGE

A. 7304

B. 363

C. N/A

D. INDEF

E. TAPE RECORDERS STILL SLOW TO READOUT. T/R #1 TAKES MORE THAN
TWO CONTACTS, #2 MORE THAN ONE CONTACT. WITH AN EXTRA PASS AT COOK
PER DAY, BOTH RECORDERS CAN BE EMPTIED OFTEN ENOUGH TO ALLOW
ONE COMMAND FOR FOUR READIN REVS PER DAY.

T O P S E C R E T

CFN: REINDEER-70/WEDGE A. 7304 B. 363 C. N/A

D. INDEF T/R #1 #2 MORE THAN ON CONTACT

BT

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	7	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		2
RF-2		3
FILE		

NNNN

10147

TOP SECRET~~Handle via BYEMAN~~

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

~~TOP SECRET~~

1964 AUG 1 23 25

0110PQWXPQWTFZ ZEA
BT
XXXXX ZEA
TWO SIX SIX GUARD
GUARD PASS MARGO

SAFSS 10207

7304

25X1

TOP SECRET 012045Z
MARGO INFO WAHOO WHIG CITE [] 2331
REINDEER-X

- A. 7304
B. BEST-FIT REV SPANS FOR ELEMENT SETS ARE AS FOLLOWS:
1. REV 25 - 40 SEE [] 2224
2. REV 40 - 120
BREAKWELL ELEMENTS

OPSNUM 4923
RUNNUM F0011
AZERO .2206099 & 8
BETA0 .1056874 & 3
ECCENO .5281932 - 2
C DECAY .2167249 - 5
INCL0 .9299272 & 2
RT ASC .2669293 & 3
TOMEGAO .3017960 & 5
EPOCHMON 7
EPOCHDAY 8
EPOCHREV 25

CHECK POINTS NOT AVAILABLE, HOWEVER SPAN SHOULD FIT WITH
PRECEDING AND FOLLOWING SPANS.

3. REV 120 - 200 SEE [] 2264
4. REV 200 - 240
BREAKWELL ELEMENTS

OPSNUM 4923
RUNNUM F0015
AZERO .2205503 & 8
BETA0 -.1569922 & 3
ECCENO .6334972 -2
C DECAY .3018496 -5
INCL0 .9299141 & 2
RT ASC .2714471 & 3
TOMEGAO .7173036 & 5
EPOCHMON 7
EPOCHDAY 18
EPOCHREV 190.
REV 190

71730.4 0 ON 35 55.1E 207.89
72000.0 17 33.5N 33 51.1E 210.52
73800.0 45 17.1N 149 42.7W 182.95
75600.0 73 59.2S 170 39.1W 181.31

DISTRIBUTION		
SAFSS A II		
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	/	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		2
RF-2		3
FILE		

25X1

1 of 3 Copies
Page of Pages.
Control No. _____

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

10207

~~TOP SECRET~~

10207

REV				191	
77217.6	0	ON	13	1.2E	207.92
77400.0	11	53.0N	11	38.0E	209.72
79200.0	51	.3N	171	34.5W	185.98
81000.0	68	19.7S	169	43.7E	179.07
REV				192	

82704.8	0	ON	9	52.7W	207.94
82800.0	6	12.4N	10	36.0W	208.89
84600.0	56	42.2N	166	44.8E	189.03
	0	62	38.0S	148	56.7E
					176.83

5. REV	240 - 270	SEE	2293
6. REV	270 - 380	SEE	2323

C. REQUEST YOU PROVIDE KWWEDGE WITH PUNCH CARD
 EPHEMERIS DATA FOR ACTIVE REVS IN THESE SPANS.
 T O P S E C R E T
 CFN: WILL RERUN UPON REQUEST
 BT

NO

25X1

10207

~~TOP SECRET~~

~~Wedge for DETERMIN~~

~~Control System~~

AUG 6

SAFSS

10382

DID 039/062140Z ZEA ZPO WORTH

7304

BT

XXXXX ZEA

TWO EIGHT SEVEN GUARD FOUR SEVEN FIVE WORTH TWO ZERO ZERO
GUARD PASS MARGO

25X1

TOP SECRET 062145Z

PRIORITY WHIG INFO MARGO WORTH WAHOO CITE 2358
REINDEER-70/WEDGE

- A. 7304
- B. 481
- C. N/A
- D. INDEF

E. TIMER OR SOME OTHER FACTOR CAUSED A MALFUNCTION ON REV 442 WHICH RESULTED IN T/M REMAINING ON FOR ONE ORBIT. T/M TURNED OFF MANUALLY ON REV 443. ON ALL OTHER REVS, T/M WAS TURNED OFF AUTOMATICALLY BY THE TIMER. TIMER APPEARS NORMAL ON REV 481

F. NONE

TOP SECRET

CFN 2358

- A. 7304
- B. 481
- C. N/A
- D. INDEF

E. TIMER OR SOME OTHER FACTOR CAUSED A MALFUNCTION ON REV 442 WHICH RESULTED IN T/M REMAINING ON FOR ONE ORBIT. T/M TURNED OFF MANUALLY ON REV 443. ON ALL OTHER REVS, T/M WAS TURNED OFF AUTOMATICALLY BY THE TIMER. TIMER APPEARS NORMAL ON REV 481

F. NONE

BT

COPY-1 3
PAGE
CONTROL BY

DISTRIBUTION		
SAFSS	A	I
SC-1		
SC-2		
SC-3		
SC-4		
SC-5		
SC-6		
SC-7		
SC-8		
SC-9		
SC-10		
SC-11		
SC-12		
SC-13		
SC-14		
SC-15		
SC-16		
SC-17		
SC-18		
SC-19		
SC-20		
SC-21		
SC-22		
SC-23		
SC-24		
SC-25		
SC-26		
SC-27		
SC-28		
SC-29		
SC-30		

~~TOP SECRET~~

~~Wedge for DETERMIN~~

~~Control System~~

10382

INCOMING

1964 AUG 10 21 27

11

XXXXXX ZEA

E I G H T T H R E E S E V E N W O R T H

~~TOP SECRET~~

~~Handle via BYEMAN~~

~~Control System~~

SAFSS

10554

7304

TOP SECRET/102038Z

14-00000/ INFO THIS WORTH/CITE MARGO 3196-4

WE'VE BEEN X

A. 7304

8. DUE INFO FROM LMSC THAT RECORDER MALFUNCTIONED AFTER R/I
REV 153 AND SUBSEQUENT DATA UNUSABLE, SUGGEST OPERATIONAL
TASKING THIS MISSION BE TERMINATED.

TOP SECRET/102038Z

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

[illegible]

~~TOP SECRET~~

~~Handle via BYEMAN~~

~~SECRET~~

Conclusion



Approved for Release: 2024/08/06 C05098547

~~TOP SECRET~~

~~Handle via COMINT~~

~~Control System~~



1964 AUG 13 711 33

10704

SAFSS

/131412Z ZEA ZPO [redacted]

BT

XXXXX ZEA

FIVE TWO EIGHT [redacted] EIGHT FOUR NINE WORTH FIVE TWO ZERO [redacted]

7304

25X1

TOP SECRET 131412Z

PRIORITY [redacted] WORTH INFO MARGO WHIG [redacted] CITE WAHOO 4486

REINDEER-11/WEDGE

A. 7304

B. N/A

C. EFFECTIVE UPON RECEIPT OF THIS MESSAGE OPERATIONAL TASKING OF THIS MISSION IS SUSPENDED. MISSION AVAILABLE FOR ENGINEERING TESTS. REQUEST HEALTH OF PAYLOAD BE MONITORED. IF RECORDERS INDICATE SUFFICIENT IMPROVEMENT OF OPERATION SUCH AS REDUCTION IN WOV AND FLUTTER TO PERMIT USE OF 5KC TONE FOR SPEED CALIBRATION WILL CONSIDER RESUMPTION OF OPERATIONAL COLLECTION. REQUEST WRAP-UP REINDEER-71 BUT CONTINUED SUBMISSION OF REINDEER-70 MSG

TOP SECRET

CFN 4486 REINDEER-11/WEDGE 7304 N/A SUSPENDED. WOV AND FLUTTER 5KC

WRAP-UP REINDEER-71 -70

BT

DISPATCH		
NO.	DATE	TIME
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6		
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
SS-12		
SS-13		
SS-14		
SS-15		
SS-16		
SS-17		
SS-18		
SS-19		
SS-20		

10704

BT



TOP SECRET

DECLASS 15 19 03

185119/15 2502 ZEA

BT

SAFSS

7304

XXXXX ZEA

THREE SIX ONE GORD

GUARD PASS NUMBER

TOP SECRET 15 1245Z

MARGO INFO WANDU WHIG CITE [] 2437

25X1

REINDEER-X

A. 7304

B. BEST FIT REV SPANS FOR ELEMENT SETS ARE AS FOLLOWS:

1. REV 380-390: SEE [] 2323

2. REV 390-450: SEE [] 2343

3. REV 450-500:

TORBEL ELEMENTS

OPSNUM 4923

RUNNUM FA923002

RBIAS 457.

MONTH 8

DAY 4

CTO .674 1868 &5

CAO .2204 198 &8

CEO .7860 149 -2

CI .9297 629 &2

COMESO .2787 369 &3

D ONE -.3337 979 -6

D TWO .1035 692 -7

D THREE 0

CK ONE .9573 173 &0

CK TWO .1008 742 &1

OWPO .1396 847 &3

OMGG .3125 902 &3

REV 457

674 18.7 0 0N 44 28.0E 206.25

68400.0 64 8.7N 34 15.1E 185.14

70200.0 3 52.1S 147 20.4W 164.11

72000.0 58 20.8S 30 9.3E 218.79

REV 458

72901.0 0 0N 21 35.3E 206.18

73800.0 58 46.4N 12 56.9E 186.89

75600.0 1 37.6N 169 35.4W 162.37

77400.0 63 37.7S 8 47.7E 218.67

REV 459

78383.4 0 0N 1 17.4W 206.10

79200.0 53 23.6N 0 41.1W 188.59

81000.0 7 7.7N 168 9.7E 150.98

DISTRIBUTION		
SAFSS A I		
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	1	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		2
RF-2		3
FILE		

10835

TOP SECRET
Handle via BYEMAN

Copy 1 of 3
Page 1 of 3 Pages.

10835

02000.0 59 53.7S 12 1.7W 218.23

BREAKWELL ELEMENTS

OPSRUM 4923

RUMNUM F4923002

AZERO .2204199 88

METAO .1399107 83

ECCEND .7814318 -2

C DECAY .6837557 -5

INCLD .9297472 82

PT ASC .2787098 83

TONEGAD .6193624 85

EPOCHMON 8

EPOCHDAY 4

EPOCHREV 456.

REV 456

61936.2 0 0N 67 20.7E 206.20

63000.0 59 30.6N 54 57.8E 183.40

64300.0 9 21.4S 125 5.6W 166.31

66600.0 53 3.2S 51 49.2E 218.43

REV 457

67418.6 0 0N 44 28.0E 206.08

68400.0 64 9.3N 34 15.1E 185.14

70200.0 3 52.3S 147 20.4W 164.22

72000.0 58 20.5S 30 9.1E 218.57

REV 458

72900.8 0 0N 21 35.3E 205.96

73800.0 58 47.4N 12 56.9E 186.83

75600.0 1 37.0N 169 35.5W 162.47

77400.0 63 36.9S 8 47.3E 218.42

4. REV 500-590: SEE MAGTE 2389

C. REQUEST YOU PROVIDE KUDGEI WITH FURTHER DATA FOR ACTIVE (AND VALID) REVS IN THE

D. SINCE OPERATIONAL OPERATIONS ARE IN PROGRESS, NO FURTHER DATA UNLESS REQUESTED.

TOP SECRET

CEN REQ BE RUN IF REQUIRED

BT

PRIORITY

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

DISSEMINATION

164 AUG 15 10 32

010113/151017Z ZEA ZPO WORTH []

SAFSS 10826

BT
XXXXX ZEA

THREE FIVE FIVE GUARD TWO ONE SIX [] FIVE ZERO ONE WORTH
GUARD PASS MARGO

25X1

7304

TOP SECRET 151015Z

PRIORITY WHIC INFO MARGO [] WORTH WAHOO CITE [] 2431
RE INDEER-70/WEDGE

- A. 7304
- B. 598/13 AUG
- C. N/A
- D. INDEF

E. TAPE REC R/O SLOW, TAKING AT LEAST THREE CONTACTS
TO DUMP.

F. ENGINEERING TESTS SHOW R/I RATE APPARENTLY IMPROPER.
COMMAND WAS SENT FROM BOSS 572 TO PERMIT 5KC TONE TO BE
TRANSMITTED TO [] FROM LOCAL AREA. SUBSEQUENT R/O WAS 700
CYCLES.

TOP SECRET

CFN: 2431 -70/WEDGE 7304 598/13 AUG N/A INDEF REC R/ R/I
BOSS 572 5KC []/O 700
BT

DISSEMINATION		
SAFSS A I		
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6		
SS-7	/	
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		
RF-2		
FILE		

25X1

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

10826

Copy 1 of 3
Page 1 of 3
Control No. []
Copies Pages.

0 0231 [REDACTED] NORTH [REDACTED]
BT
EXCISE TIA
FOUR SIX FIVE GUARD FIVE THREE ZERO [REDACTED]
TWO TWO EIGHT [REDACTED]
GUARD PASS THREE

11161

25X1

TOP SECRET 24 1830
PRIORITY THIS INFO MAY BE NORTH [REDACTED] WANDU CITE [REDACTED] 2549
REINDEX-TO/WEDGE

- A. 7304
 - B. 757
 - C. N/A
 - D. INDEF
 - E. TAPE REC R/O SLOW, TAKING AT LEAST THREE CONTACTS TO DUMP.
 - F. ENGINEERING ANALYSIS STILL UNABLE TO CORRELATE READ IN - READ OUT RATIOS DUE TO INCONSISTANCY.
- TOP SECRET
CFN: 2549 -70 7304 757 N/A INDEF REC R/O
THREE DUMP READ IN - READ OUT
BT

7304

DISSEMINATION		
SERIES 1		
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	/	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		3
RF-2		3
FILE		

NNNN

11161

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

Copy 1 of 3 Copies
Page of Pages.
Control No.

064 AUG 31 20 00

010208/311945Z ZEA ZPO WORTH

XXXXX ZEA

FOUR NINE NINE GUARD FIVE FIVE FOUR WORTH TWO THREE ZERO
GUARD PASS MARGO

25X1

TOP SECRET 311930Z

PRIORITY WHIG INFO MARGO WORTH WAHOO CITE 2587
RE INDEER 70/WEDGE

- A. 7304
- B. 867
- C. N/A
- D. INDEF

E. THE T/R/S ARE STILL OPERATING IN AN ABNORMAL MODE WITH
NO END OF TAPE NOTED AT ANY STATION CONTACT
F. BATTERY CONDITION EXERCISE IS SCHEDULED FOR THIS WEEK.

TOP SECRET

CFN 2587

RE INDEER 70/WEDGE

- A. 7304
- B. 867
- C. N/A
- D. INDEF

E. THE T/R/S ARE STILL OPERATING IN AN ABNORMAL MODE WITH
NO END OF TAPE NOTED AT ANY STATION CONTACT
F. BATTERY CONDITION EXERCISE IS SCHEDULED FOR THIS WEEK.

BT

NNNN

7304

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	/	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		
RF-2		
FILE		

1418

~~TOP SECRET~~

~~Handle via BYEMAN~~

~~Control System~~

Copy 1 of 3 Copies
Page 1 of 1 Pages.

Control No. _____

1964 SEP 8 22 29

SAFSS

11727

B 10313/082206Z ZEA ZPO WORTH

31

XXXXX ZEA

FIVE FOUR ONE GUARD

FIVE SEVEN TWO WORTH

TWO THREE SIX

GUARD PASS MARGO -

TOP SECRET 082205Z

PRIORITY WHIG INFO ROUTINE MARGO WORTH

CITE 2632

RE INDEER 70/WEDGE

A. 7304

B. 1005

C. ✓A

D. TREE

E. T/R S OPERATION STILL ABNORMAL.

TOP SECRET

CFM:	2 632 7304 1005
------	-----------------

Price

4444

11727

~~TOP SECRET~~

INCOMING Apr

~~TOP SECRET~~
Release: 2024/08/06 C05
~~Handle via BYEMAN~~
~~Control System~~

104 SEP 14 10 38

SAFSS

11915

/ 14 1835Z ZEA

BT

XXXXX ZEA

SIX SIX ZERO

T O P S E C R E T 14 183 1Z

INFO MARGO WHIG CITE WAHOO 4878

REINDEER-X

REF A. MISSION 7304

REF B. 2655 (NOTAL)

IN VIEW OF SLIGHT IMPROVEMENT IN RECORDER OPERATION OF 7304 REPORTED IN REF B, REQUEST FIVE SAMPLE TAPES FROM RECENT 7304 REVS BE SENT TO MARGO FOR EVALUATION AS TO WHETHER IT IS PRACTICAL TO RESUME TASKING OF THIS MISSION.

~~TOP SECRET~~

CFN: 4878 7304 2655 7304 B 7304

BT

NNNN

11915

~~TOP SECRET~~

~~Handle via SRM
Control System~~

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	1	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
SS-12		
SS-13		
SS-14		
SS-15		
SS-16		
SS-17		
SS-18		
SS-19		
SS-20		
SS-21		
SS-22		
SS-23		
SS-24		
SS-25		
SS-26		
SS-27		
SS-28		
SS-29		
SS-30		
SS-31		
SS-32		
SS-33		
SS-34		
SS-35		
SS-36		
SS-37		
SS-38		
SS-39		
SS-40		
SS-41		
SS-42		
SS-43		
SS-44		
SS-45		
SS-46		
SS-47		
SS-48		
SS-49		
SS-50		
SS-51		
SS-52		
SS-53		
SS-54		
SS-55		
SS-56		
SS-57		
SS-58		
SS-59		
SS-60		
SS-61		
SS-62		
SS-63		
SS-64		
SS-65		
SS-66		
SS-67		
SS-68		
SS-69		
SS-70		
SS-71		
SS-72		
SS-73		
SS-74		
SS-75		
SS-76		
SS-77		
SS-78		
SS-79		
SS-80		
SS-81		
SS-82		
SS-83		
SS-84		
SS-85		
SS-86		
SS-87		
SS-88		
SS-89		
SS-90		
SS-91		
SS-92		
SS-93		
SS-94		
SS-95		
SS-96		
SS-97		
SS-98		
SS-99		
SS-100		

PRIORITY

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

INCOM

SAFSS

DID344/142205Z ZEA ZPO WORTH

BT
XXXXX ZEA
FIVE SIX SEVEN GUARD FIVE EIGHT NINE WORTH TWO THREE NINE
GUARD PASS MARGO

T O P S E C R E T 142200Z
PRIORITY WHIG INFO WAHOO MARGO WORTH CITE 2663
REINDEER 70/WEDGE

- A. 7304
- B. 1088
- C. N/A
- D. INDEF

E. T/R NBR ONE NOW TAKING APPROX TWO REVS FOR COMPLETE READOUT. T/R NBR TWO OPERATION VERY POOR.

F. SAMPLE TAPES FROM ENGINEERING REVS WILL BE SENT TO MARGO THIS WEEK FOR EVALUATION AS REQUESTED IN WAHOO 4878 (NOTAL)

T O P S E C R E T
CFN 2663 70/WEDGE 7304 1088 N/A INDEF T/R NBR ONE TWO REVS
T/R NBR TWO REVS MARGO WAHOO 4878
BT

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	7	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
SS-12		
SS-13		
SS-14		
SS-15		
SS-16		
SS-17		
SS-18		
SS-19		
SS-20		
SS-21		
SS-22		
SS-23		
SS-24		
SS-25		
SS-26		
SS-27		
SS-28		
SS-29		
SS-30		
SS-31		
SS-32		
SS-33		
SS-34		
SS-35		
SS-36		
SS-37		
SS-38		
SS-39		
SS-40		
SS-41		
SS-42		
SS-43		
SS-44		
SS-45		
SS-46		
SS-47		
SS-48		
SS-49		
SS-50		
SS-51		
SS-52		
SS-53		
SS-54		
SS-55		
SS-56		
SS-57		
SS-58		
SS-59		
SS-60		
SS-61		
SS-62		
SS-63		
SS-64		
SS-65		
SS-66		
SS-67		
SS-68		
SS-69		
SS-70		
SS-71		
SS-72		
SS-73		
SS-74		
SS-75		
SS-76		
SS-77		
SS-78		
SS-79		
SS-80		
SS-81		
SS-82		
SS-83		
SS-84		
SS-85		
SS-86		
SS-87		
SS-88		
SS-89		
SS-90		
SS-91		
SS-92		
SS-93		
SS-94		
SS-95		
SS-96		
SS-97		
SS-98		
SS-99		
SS-100		

25X1

7304

NNNNQ

11930

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~
Copy 1 of 3 Pages
Page 1 of 3 Pages
Control No.

~~Handle via VETERAN~~~~Control System~~

1284 SS 22 16 52

12324

SAFSS

D 10390/22 1620Z ZEA ZPO [] WORTH

BT

XXXXX ZEA

T40 FOUR TWO []

SIX ONE FIVE WORTH

SIX ZERO SEVEN GUARD

GUARD PASS MARGO WHIG

B-343
F-698

25X1

T O P S E C R E T 22 1615Z

PRIORITY WHIG INFO ROUTINE WAHOU WORTH MARGO [] CITE

[] 2711

REINDEER-70/WEDGE

A. 7304

B. 1206

C. N/A

D. INDEF

E. THE VEHICLE CONDITION REMAINED ESSENTIALLY UNCHANGED DURING THE PAST WEEK. THE T/R'S ARE STILL OPERATING IN THEIR ABNORMAL MODES. T/R 1 IS READING OUT IN ABOUT 1000 SECONDS AND T/R 2 DID NOT REACH EOT IN ABOUT 1300 SECONDS, WHICH IS TWO TO THREE REVS.

A SUMMARY OF R.O. TIMES FOLLOWS

R/O REV #	TR #1 R.O. TIME	TR #2 R.O. TIME
1096, 1102, 1104	1084 SEC.	1245 (NO EOT)
1112, 19, 22, 28, 29, 33, 35	2096 SEC	2228 (NO EOT)
1143, 49, 51, 59	1023 SEC	1663 (NO EOT)
1167, 73, 75	968 SEC	1447 (NO EOT)
1183, 89, 91	1058 SEC	1130 (NO EOT)
1198, 1205, 06	942 SEC	1370 SECONDS

BATTERY EXERCISE PASSES - R.O. TIMES MAY NOT BE ACCURATE SINCE SPURIOUS COMMANDS MAY HAVE CAUSED AN EXTRA R.O.

THE NEXT WEEK TASKING WILL EXERCISE PAL JS IN THE ASCENDING DIRECTION.

T O P S E C R E T

CFM: WILL RERUN UPON REQUEST

BT

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	1	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
SS-12		
SS-13		
SS-14		
SS-15		
SS-16		
SS-17		
SS-18		
SS-19		
SS-20		
SS-21		
SS-22		
SS-23		
SS-24		
SS-25		
SS-26		
SS-27		
SS-28		
SS-29		
SS-30		
SS-31		
SS-32		
SS-33		
SS-34		
SS-35		
SS-36		
SS-37		
SS-38		
SS-39		
SS-40		
SS-41		
SS-42		
SS-43		
SS-44		
SS-45		
SS-46		
SS-47		
SS-48		
SS-49		
SS-50		
SS-51		
SS-52		
SS-53		
SS-54		
SS-55		
SS-56		
SS-57		
SS-58		
SS-59		
SS-60		
SS-61		
SS-62		
SS-63		
SS-64		
SS-65		
SS-66		
SS-67		
SS-68		
SS-69		
SS-70		
SS-71		
SS-72		
SS-73		
SS-74		
SS-75		
SS-76		
SS-77		
SS-78		
SS-79		
SS-80		
SS-81		
SS-82		
SS-83		
SS-84		
SS-85		
SS-86		
SS-87		
SS-88		
SS-89		
SS-90		
SS-91		
SS-92		
SS-93		
SS-94		
SS-95		
SS-96		
SS-97		
SS-98		
SS-99		
SS-100		

~~TOP SECRET~~~~Handle via VETERAN~~~~Control System~~

12324

Approved

PRIORITY

TOP SECRET
Handle via STEAMER
Control System

INCOMING

12405

1964 SEP 23 21 27

ZCZ CKAA381
P 231920Z
FM DIRNSA
TO SAFSS

SAFSS

25X1

~~TOP SECRET~~ /

PRIORITY [] INFO PRIORITY WHIG WORTH WAHOO/CITE MARGO 3441-4
EAPPOP

A. MISSION 7304

B. REQUEST FOLLOWING INFO ON COMMAND RECEIVER USED ON SUBJECT MISSION:

A. SENSITIVITY

B. BANDWIDTH AND SKIRTS OUT TO 15 MC FROM CENTER FREQ.

C. RF CENTER FREQ.

D. TYPE OF RECEIVER (I.E. SUPERHET, XTAL VIDEO)

E. TYPE OF ANTENNA, INCLUDING GAIN

C. THIS INFO DESIRED TO RESOLVE CHARACTERISTICS OF EMISSIONS
RECORDED FROM THE RECEIVER.

TOP SECRET /

BT

VNN

1246

730

FILE					
RF-2				2	
FILE				3	

Copy 1 of 2
Page 1 of 1

~~Handle via CYEMAN~~~~Control System~~

1964 SEP 25 00 12504

SAFSS

010453/242345Z ZEA
BT
XXXX ZEA
SIX SIX FIVE GUARD
GUARD PASS MARGO

TOP SECRET 242335Z
MARGO INFO ☐ WHIG WAMOO CITE MADAM 0358
EARPOP
FROM W. HARRIS CITE ☐ 2763
REF: MSN 7304

A. 1.5 MICRO VOLTS.

B. BANDWIDTH.

AT 6 DB POINTS 30 TO 42 KC

AT 60 DB POINTS 120 KC MAXIMUM.

RESPONSE TO ALL OTHER SIGNALS AT LEAST -60 DB BELOW RESONANT
FREQUENCY.

IMAGE REJECTION 80 DB.

C. 141.540 MEGACYCLES/SEC.

D. SUPERHETERODYNE. L.O. STABILITY PLUS OR MINUS 4 KC

E. MONOPOLE, OMNIDIRECTIONAL. GAIN APPROXIMATELY

ISOTROPIC. MINIMUM GAIN APPROXIMATELY -10 DB.

TOP SECRET

CFN: 0358 EARPOP FROM: W. HARRIS CITE ☐ 2763 MSN 7304 1.5 MICRO
VOLTS. 6 DB POINTS 30 TO 42 KC AT 60 DB POINTS 120 KC MAXIMUM -60 DB
BELOW RESONANT FREQUENCY 141.540 MEGACYCLES/SEC L.O. STABILITY PLUS
OR MINUS 4 KC. MONOPOLE, OMNIDIRECTIONAL GAIN APPROXIMATELY ISOTROPIC
MINIMUM GAIN APPROXIMATELY -10 DB.

BT

BY	DATE	TIME	INITIALS
SAFSS			
SS			
SP			
SC			
SE			
SI			
SO			
ST			
SW			
SY			
SA			
SB			
SC			
SD			
SE			
SF			
SG			
SH			
SI			
SJ			
SK			
SL			
SM			
SN			
SO			
SP			
SQ			
SR			
SS			
ST			
SV			
SW			
SX			
SY			
SZ			

25X1

7304

3

~~TOP SECRET~~

13

PRIORITY

KAA 395
PP 30182 Z
FM DIR NSA
TO SAFSS

25X1

TOP SECRET/301813Z

PRIORITY [] INFO PRIORITY WHIG WORTH WAHOO/CITE MARGO 3432-4
EARPOP

A. 7304

B. IN ADDITION INFO RECENTLY RECEIVED ON THIS PACKAGE, REQUEST
THE FOLL:

A. INTERMEDIATE FREQUENCY (FREQUENCIES, IF MULTI-CONVERSION)

B. LOCAL OSCILLATOR FREQUENCY (FREQUENCIES, IF MULTI-CONVERSION)
AND POSITION (ABOVE OR BELOW DIAL)

C. RECEIVER NOISE FIGURE

7304

TOP SECRET

BT

NNNN

1281

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

DISTRIBUTION		
SAFSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	/	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		
RF-2		
FILE		

Copy 1 of 3 Copies
Page 1 of 1 Pages.
Control No. _____

~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

SAFSS 12888

DID587/020112Z ZEA ZPO WORTH
BT
XXXXX ZEA
SEVEN EIGHT EIGHT GUARD SEVEN FOUR EIGHT WORTH
GUARD PASS MARGO

25X1

T O P S E C R E T 020100Z
PRIORITY MARGO INFO WORTH WAHOO WHIG CITE 2908
EARPOP
REF. MARGO 3482-4

- INFO AS REQUESTED RE COMMAND RCVR:
- A. 10 MC (SINGLE CONVERSION)
 - B. 131.54 MC (BELOW RECEIVED FREQUENCY)
 - C. (SIGNAL PLUS NOISE) / (NOISE) IS 10 DB.

T O P S E C R E T
CFN: 2908 3482-4 INFO RE RCVR 10 MC 131.54 MC 10 DB
BT

7304

NNNN

DISTRIBUTION		
SAFSS A I		
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	✓	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		
RF-2		
FILE		

~~TOP SECRET~~

~~Handle via BYEMAN~~

~~Control System~~

12888

Copy 1 of 3 Copies
Page 1 of 1 Pages.
Control No.

PRIORITY~~Control System~~

DID609/060133Z ZEA ZPO WORTH

BT

XXXXX ZEA

EIGHT ZERO SEVEN SEVEN SIX TWO WORTH

TWO FIVE SIX

GUARD PASS MARGO

SAFSS

13023

25X1

TOP SECRET 060050Z

PRIORITY WHIG INFO WAHOO WORTH MARGO 2930

REINDEER-70/WEDGE

A. 7304

B. 1432

C. N/A

D. INDEF

E. ESSENTIALLY UNCHANGED.

SUMMARY OF READOUT TIMES:

R/O REVS

T/R NBR 1

T/R NBR 2

1325,31,33

940 SEC

1087 (NO EOT)

1356,63,64

925 SEC

1379 (NO EOT)

1372,79,80

958 SEC

1375 (NO EOT)

1388,94,96

793 SEC

1367 (NO EOT)

1403,04,12,14 1555 SEC #

----- ##

REVS 1420 THRU 1432 BOTT EXERCISE

THIS TIME MAY NOT BE ACCURATE SINCE EXTRANEIOUS COMMANDS WERE ACCEPTED AND THIS R.O. MAY INCLUDE AN ADDITIONAL R.I.

FROM REV 1403 TO 1432 A TOTAL TIME OF 3903 SECONDS ELAPSED WITHOUT REACHING EOT. THEREFOR, IT IS SUSPECTED THE T/R # 2 EITHER SELDOM STARTS, OR IS COMPLETELY INOPERATIVE IN R. O. MODE.

TOP SECRET

CFN: 2930 -70

A. 7304

B. 1432

C. N/A

D. INDEF

E. ESSENTIALLY UNCHANGED.

SUMMARY OF READOUT TIMES:

R/O REVS

T/R NBR 1

T/R NBR 2

1325,31,33

940 SEC

1087 (NO EOT)

1356,63,64

925 SEC

1379 (NO EOT)

1372,79,80

958 SEC

1375 (NO EOT)

1388,94,96

793 SEC

1367 (NO EOT)

1403,04,12,14 1555 SEC #

----- ##

REVS 1420 THRU 1432 BOTT EXERCISE

THIS TIME MAY NOT BE ACCURATE SINCE EXTRANEIOUS COMMANDS WERE ACCEPTED AND THIS R.O. MAY INCLUDE AN ADDITIONAL R.I.

FROM REV 1403 TO 1432 A TOTAL TIME OF 3903 SECONDS ELAPSED WITHOUT REACHING EOT. THEREFOR, IT IS SUSPECTED THE T/R # 2 EITHER SELDOM STARTS, OR IS COMPLETELY INOPERATIVE IN R. O. MODE.

BT

13023

TOP SECRET
~~Handle via BYEMAN~~
~~Control System~~

Copy 1 of 3 Pages
 Page 1 of 3 Pages

Control No. _____

1378

SAPSS

FTA068
FTX271/2 12104Z ZEA ZPO GUARD WORTH
BT
XXXXX ZEA
FOUR FOUR TWO GUARD

T O P S E C R E T 2 12 103Z
MADAM INFO WHIG WAHOO CITE 9719
REINDEER-X/WEDGE EARPOP
A. 7304
B. WEDGE HAS FOUND IT IMPOSSIBLE TO ACCURATELY COMPENSATE FOR THE
TAPE RECORDER SPEED FLUCTUATIONS AFTER REV 184. THEREFORE, REQUEST
THAT NO MORE TAPES FROM THIS PROJECT BE SENT TO US UNLESS THE MAL-
FUNCTION IS CLEARED UP.
T O P S E C R E T
CFN: 9719 -X 7304 REV 184 NO MORE
BT

NNNN

13788

DISTRIBUTION		
SAPSS	A	I
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6	1	
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
RF-1		2
RF-2		3
FILE		1

~~TOP SECRET~~
~~via BYEMAN~~
~~System~~

Copy 1 of 3 Copies
Page of Pages.
Control No.

~~TOP SECRET~~
~~Handle via STEAM~~
~~Control System~~

Approved for Release: 2024/08/06 C05098547

SECRET

11/15/5

/272217Z ZEA ZPO []

BT

XXXXX ZEA

EIGHT SEVEN FIVE [] TWO FOUR ZERO WORTH EIGHT EIGHT TWO []

25X1

S E C R E T 272155Z

WAHOO INFO [] WHIG WORTH [] CITE MARGO 3621-4

REEINDEER X/WEDGE

A. 7304

B. [] 9719

ANALYSIS OF LATEST TAPES RECEIVED INDICATES RECORDER SPEED PROBLEMS CONTINUE TO PRECLUDE PROCESSING AND ANALYSIS. UNLESS THERE IS GOOD REASON TO CONTINUE RECOMMEND TOTAL CESSATION OF 7304 ACTIVITY.

S E C R E T

CFN: 3621-4 7304 9719 7304

BT

N
N

N

DISTRIBUTION		
SAPNS	A	I
SA-1		
SA-2		
SA-3		
SA-4		
SA-5		
SA-6		
SA-7		
SA-8		
SA-9		
SA-10		
SA-11		
RF-1		2
RF-2		3
FILE		

11/15/5

13

~~Control System~~

BT

XXXXXX ZEA

EIGHT NINE ZERO

EIGHT EIGHT ONE

TWO FOUR FOUR WORTH

TOP SECRET 282131Z

PRIORITY [] INFO WORTH WHIG [] CITE WAH00 5626

REINDEER-X/WEDGE

A. 7304

B. MARGO AND WEDGE ANALYSIS OF TAPES INDICATES RECORDER PROBLEMS PRECULDE PROCESSING AND ANALYSIS. THEREFORE NO FURTHER OPERATIONAL OR CALIBRATION TASKING IS PLANNED BY WAHOO. MISSION IS TURNED OVER TO KWWORTH FOR ANY ENGINEERING EVALUATIONS DESIRED.

TOP SECRET

CFN: 5626 RE INDEER-X/WEDGE 7304 MARGO WEDGE NO FURTH WAHOO KWWORTH

ET

N

N

100

REF-1

RE-2

FILE

142-19

~~TOP SECRET~~

~~via BYEMAN~~

System

Copy _____ of _____ Copies
Page _____ of _____ Pages.
Control No. _____