

~~SECRET~~
~~RECEIVED VIA OVERMAN~~~~CONFIDENTIAL~~

1964 MAR 20 17 44

TSBA061/20/1730Z ZEA
BT
XXXXX ZEA
TWO FIVE ZERO WAHOO

SAFSS

6.37

SECRET 201635Z
WAHOO INFO WORTH CITE MADAM 0057
EARPOP
WORTH FOR LT COL COPLEY
SUBJECT: PROPOSED TIMING SEQUENCE, MISSIONS 7304, 7305, AND 7306.

REV	ASC NODE	LAT ON	LAT OFF	EVENT
1	315			DUMP AND COMMAND NEW TIMING SEQUENCE
2	338			NONE
3	3			NONE
4	27			NONE
5	51	282	230	READIN
6	75	282	230	READIN
		282	245	HAYLOFT READIN
7	98	282	230	READIN
		282	245	HAYLOFT READIN
8	121	282	230	READIN
9	145			POSSIBLE DUMP AND COMMAND
10	169			POSSIBLE DUMP AND COMMAND
11	193	130	182	READIN
12	217	130	182	READIN
13	241			NONE; DUPLICATES REV 5 READIN
14	264			NONE; DUPLICATES REV 6 READIN
15	288	130	182	READIN
		130	175	HAYLOFT READIN
16	312	130	182	READIN
		130	175	HAYLOFT READIN
17	335			DUMP AND COMMAND NEW TIMING SEQUENCE

SATIS	A	IN
DISPATCH		
DEMO		
COPY		
GAYS		
EARPOP		
WEATHER		
INTELL		
COMM		
ADMIN		

THIS PROGRAM WAS DESIGNED SPECIFICALLY FOR MISSIONS 7305 AND 7306.
IT CAN BE USED AS IS FOR MISSION 7304 OR CAN BE CHANGED TO A
5,6,7,8 - 11,12,13,16 COMBINATION.

SECRET

CFN: MADAM 0057 LT COL COPLEY 7304 7305 7306

REV	ASC NODE	LAT ON	LAT OFF	EVENT
1	315			DUMP AND COMMAND NEW TIMING SEQUENCE
2	338			NONE
3	3			NONE
4	27			NONE

1	315			DUMP AND COMMAND NEW TIMING SEQUENCE
2	338			NONE
3	3			NONE
4	27			NONE

6.37

5	51	282	230	READIN
6	75	282	230	READIN
		282	245	HAYLOFT READIN
7	98	282	230	READIN
		282	245	HAYLOFT READIN
8	121	282	230	READIN
9	145			POSSIBLE DUMP AND COMMAND
10	169			POSSIBLE DUMP AND COMMAND
11	193	130	182	READIN
12	217	130	182	READIN
13	241			NONE; DUPLICATES REV 5 READIN
14	264			NONE; DUPLICATES REV 6 READIN
15	288	130	182	READIN
		130	175	HAYLOFT READIN
16	312	130	182	READIN
		130	175	HAYLOFT READIN
17	335			DUMP AND COMMAND NEW TIMING SEQUENCE

MISSIONS 7305 AND 7306. MISSION 7304 OR CAN BE CHANGED TO A
5,6,7,8 - 11,12,13,16 COMBINATION.
BT

NNNN

08131

Handle via BYEMAN
Control System

SECRET

~~TOP SECRET~~

INCOMING

1964 MAY 1 01 32

/010010Z ZEA ZPO WECEN

SAFSS 07186

BT

XXXXX ZEA

EIGHT NINE SIX WORTH ONE THREE FIVE [] ZERO NINE SEVEN []

FIVE SIX THREE OPCEN

OPCEN PASS ADIC MANOR

25X1

1305

TOP SECRET 010010Z

ROUTINE WORTH [] WHIG MARGO INFO [] ADIC MANOR CITE WAHOO 3189

REINDEER-21/WEDGE

A. 7305

B. STEP 13

C. DETECTION AND LOCATION SIGNALS IN FREQUENCY RANGE OF PAYLOAD

D. 150-225 MC

E. SEPTEMBER 1964

TOP SECRET

CFN: 3189 -21 7305 STEP 13 150-225 MC SEPTEMBER 1964

BT

250X1

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07186

DISTRIBUTION		
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RF-1		
RF-2		
RF-3		

Handle via BYEMAN
Control System

010606/060130Z ZEA ZPO WORTH
BT
XXXX ZEA
EIGHT ZERO FOUR GUARD SEVEN SIX ZERO WORTH

1305
1964 OCT 6 22 06
SAFSS

TOP SECRET 060303Z
PRIORITY WAMOO INFO WORTH WHIG CITE 2927
REINDEER-X

13022

50X1

REF MSN 7305/7306
SUBJ: COMMAND INFORMATION

1. THERE ARE FOUR TIME DELAYS AVAILABLE. X SECONDS AFTER
DELAY COMMAND IS SENT, 7306 PAY LOAD TURNS ON AND READS IN
FOR 28 MINUTES. Y SECONDS AFTER 7306 IS TURNED ON, 7305
TURNS ON AND READS IN FOR 6.5, PLUS OR MINUS 0.5 MINUTES.
REQUIRE FOUR X DELAYS AND THE ASSOCIATED FOUR Y DELAYS
(OR EQUIVALENT COMMAND ANT TURN ON/TURN OFF LATITUDES). 7305
P/L MUST BE TURNED OFF PRIOR TO 7306 TURN OFF.

2. READOUT RATIOS: 7306 - 4:1
7305 - 1:1

READOUT TIME ABOUT 420 SEC

3. MINIMUM CONTACT TIME FOR READOUT: 460 SEC
DESIRABLE: 490 SEC.

CONTACT TIME FOR COMMAND ONLY: 325 SEC

4. HULA, BOSS & COOK WILL BE USED.

5. ESTIMATE 6 READIN COMMANDS PER DAY IS MAXIMUM
FROM POWER STAND POINT.

6. EVERY 10 TO 14 DAYS, BATTERY CHARGING FOR A 24
HOUR PERIOD WILL BE REQUIRED.

7. COMMAND DESIGNATION DESCRIPTION:
FOR REINDEER-11:

- | | |
|---|------------------------|
| 3 | SHORTEST TIME DELAY |
| 6 | NEXT LONGEST DELAY |
| 4 | NEXT LONGEST DELAY |
| 5 | LONGEST TIME DELAY |
| A | SWITCHES 30 DB. |
| | ATTENUATION INTO 7305. |
| B | NARROWS BANDWIDTH |
| | OF 7305 FROM |
| | 150-168 TO 154-164 MC. |

NOTE: A & B SWITCHING IS RESET AUTOMATICALLY AT EACH CONTACT,
THEREFORE THEY NEED BE DESIGNATED ONLY WHEN ATTENUATION
OR NARROWED BANDWIDTH IS DESIRED.

8. INCLINATION WILL BE 93 TO 98 DEG; PERIOD APT 91.2 MIN.

9. REQUIRE TIME DELAYS OR LATITUDES MLT 12 OCT 64.

TOP SECRET

CFN: 2927
REINDEER-X

13022

REF MSN 7305/7306
SUBJ: COMMAND INFORMATION

1. THERE ARE FOUR TIME DELAYS AVAILABLE. X SECONDS AFTER
DELAY COMMAND IS SENT, 7306 PAY LOAD TURNS ON AND READS IN
FOR 28 MINUTES. Y SECONDS AFTER 7306 IS TURNED ON, 7305
TURNS ON AND READS IN FOR 6.5, PLUS OR MINUS 0.5 MINUTES.
REQUIRE FOUR X DELAYS AND THE ASSOCIATED FOUR Y DELAYS

REINDEER-11		
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
FILE		

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~~Handle via DYEMAN~~
~~Control System~~

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Control No. _____

(OR EQUIVALENT COMMAND AND TURN OFF TURN OFF LATITUDE). T305
P/L MUST BE TURNED OFF PRIOR TO T306 TURN OFF.

2. READOUT RATIOS: T306 - 4:1
T305 - 1:1

READOUT TIME ABOUT 420 SEC

3. MINIMUM CONTACT TIME FOR READOUT: 460 SEC
DESIRABLE: 490 SEC.

CONTACT TIME FOR COMMAND ONLY: 325 SEC

4. HULA, BOSS & COOK WILL BE USED.

5. ESTIMATE 6 READIN COMMANDS PER DAY IS MAXIMUM
FROM POWER STAND POINT.

6. EVERY 10 TO 14 DAYS, BATTERY CHARGING FOR A 24
HOUR PERIOD WILL BE REQUIRED.

7. COMMAND DESIGNATION
FOR REINDEER-11:

DESCRIPTION:

3

SHORTEST TIME DELAY

6

NEXT LONGEST DELAY

4

NEXT LONGEST DELAY

5

LONGEST TIME DELAY

A

SWITCHES 30 DB.

ATTENUATION INTO T305.

B

NARROW BANDWIDTH

OF T305 FROM

150-168 TO 154-164 MC.

NOTE: A & B SWITCHING IS RESET AUTOMATICALLY AT EACH CONTACT,
THEREFORE THEY NEED BE DESIGNATED ONLY WHEN ATTENUATION
OR NARROWED BANDWIDTH IS DESIRED.

8. INCLINATION WILL BE 93 TO 98 DEG; PERIOD APT 91.2 MIN.

9. REQUIRE TIME DELAYS OR LATITUDES MLT 12 OCT 64.

BT

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~~TOP SECRET~~

~~Handle via BYEMAN~~

~~Control System~~



KAMABO
R DT 11-01
FM DIRNSA
TO SAFSS

1313

7305

TOP SECRET/
[REDACTED] INFO WANDU WHIG/CITE MARGO 3513-1
DEINDEER X
REF: [REDACTED]

50X1

25X1

MARGO 3488
MARGO WILL SUPPLY MAG TAPE EPHEMERIS DATA TO SAC FOR PERIOD
COMMENCING APPROXIMATELY TWO WEEKS AFTER LAUNCH. REQUEST STO
SUPPLY NEEDED INFO AT LAUNCH UNTIL MARGO CAN ASSUME TASK.
TOP SECRET/

NNNN

DISTRIBUTION		
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SS-11		
RF-1		2
RF-2		3
RF-3		

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~~Control System~~

1964 OCT 15 20 45



SAFSS

TSCA53/152033Z ZEA

13512

BT

XXXXX ZEA

EIGHT ZERO FOUR



50X1

TOP SECRET 152033Z

PRIORITY INFO WHIG CITE Wahoo 5389

REINDEER-X

A. 7305, 7306

B. NEED PRE FLIGHT NOMINAL REINDEER-68 BY 191800Z.

TOP SECRET

CFN: 5389 7305 7306 REINDEER-68 191800Z

BT

7305

12512

NNNN

DISTRIBUTION		
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SS-1		
SS-2		
SS-3		
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SS-6	1	
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SS-11		
RF-1		2
RA-2		3
FILE		2

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

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PRIORITY

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

1964 OCT 19 16 41

13633

SAFSS

TRWXQOQYEIZ ZEA ZPO MAGIC ☐ OPCEN
BT
XXXXX ZEA
NINE ONE NINE GUARD SIX ONE FOUR ☐ ZERO NINE NINE ☐
TWO EIGHT EIGHT OPCEN
GUARD PASS MARGO OPCEN PASS MANOR

25X1

TOP SECRET 191628Z
PRIORITY WAHOO INFO PRIORITY ☐ WHIG MARGO ☐ ADIC MANOR
CITE WORTH 6105.
REINDEER-34/WEDGE

25X1
50X1

- A. 7305/7306
- B. 23 OCT-1917Z
- C. NO CHANGE FROM PRIOR -34
- D. LAUNCH DATE OF CARRIER VEHICLE HAS BEEN ADVANCED THREE DAYS FROM EARLIER SCHEDULE. PRE-LAUNCH CHECK-OUT PROCEEDING ON SCHEDULE.

7305

TOP SECRET
CFN: 6105 REINDEER-34/WEDGE A. 7305/7306
B. 23 OCT-1917Z
C. NO CHANGE FROM PRIOR -34
D. LAUNCH DATE OF CARRIER VEHICLE HAS BEEN ADVANCED THREE DAYS FROM EARLIER SCHEDULE. PRE-LAUNCH CHECK-OUT PROCEEDING ON SCHEDULE.
BT

13633

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TOP SECRET
Release: 2024/08/06 C050
~~Handle via BYEMAN~~
~~Control System~~

1347

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OPEN PAGE MANOR

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54

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~~Radio VE BYEMAN~~

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186 OCT 20 10 04

1371

SAFSS

1800067/201007Z ZEA ZPO OPEN

BT

REXX ZEA

NINE TWO NINE GUARD SIX TWO FOUR ONE ZERO THREE

THREE ZERO ZERO OPEN

PASS MARGO OPEN PASS MARGO

50X1

TOP SECRET 201007Z

PRIORITY WANDU INFO PRIORITY WHIG MARGO ADIC MARGO

CITE WORTH 6122.

REINDEER-3A/WEDGE

A. 7305/7306

B. 23 OCT-1917Z

C. NO CHANGE

D. CHECK-OUT CONTINUING

TOP SECRET

CPN: 6122 REINDEER-3A/WEDGE A. 7305/7306 B. 23 OCT-1917Z C. NO CHANGE

D. CHECK-OUT CONTINUING

BT

DISTRIBUTION	
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PRIORITY

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~~Handle via COMSEC~~

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1964 OCT 21 011 27

SAFSS

13752

DID710/210237Z ZEA ZPO WORTH

BT

XXXXX ZEA

NINE ZERO ZERO GUARD EIGHT TWO ZERO WORTH

TOP SECRET 210030Z

PRIORITY WHIS INFO PRIORITY WAHCO WORTH CITE [] 3030

REINDEER-X

REF A. 7305

B. [] 2927

C. TELCON [] 20 OCT

1. TO CLARIFY PARA. 7 OF REF B., COMMAND "B" NARROWS BANDWIDTH OF STEP 13 CRYSTAL VIDEO RECEIVER FROM 150-168 MC TO 154-164 MC. OPERATION OF STEP 13 SCANNING SUPERHET RECEIVER (150-236 MC) IS UNAFFECTED BY THIS COMMAND. COMMAND "A" SWITCHES 30 DB OF ATTENUATION INTO LINE BETWEEN ANTENNA AND BOTH THE SCANNING AND CRYSTAL VIDEO RECEIVERS.

2. KWWORTH WILL SEND TECHINCAL DESCRIPTION MOMENTARILY.

TOP SECRET

CFM: 3030 -X A. 7305 B. [] 2927 C. TELCON [] 20

OCT 1. PARA. 7 OF REF B., "B" 13 150-158 MC TO 154-164 MC. 13 SUPERHET (150-236 MC) "A" 30 DB ATTENUATION KWWORTH

BT

DISTRIBUTION		
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13752

7305

~~TOP SECRET~~

~~Handle via COMSEC~~

~~Control System~~

Handle Via ST/JAN
Positive System
1364 OCT 21 02 48

13755

SAFSS

DID711/210238Z ZEA ZPO WORTH
BT
XXXXX ZEA
NINE ZERO ONE GUARD EIGHT TWO ONE WORTH

TOP SECRET 210210Z
PRIORITY WAHOO INFO PRIORITY WHIG WORTH CITE 3031
REINDEER-X

- A. 7305/7306
- B. CALIBRATED TIME DELAYS:

1.7306:

CMD	CMD LAT	DELAY	P/L ON LAT	EFF. R/I START LAT	P/L OFF LAT	REV
3	40NA	584	78NA	82NA	06ND	0
6	40ND	3464	06NA	10NA	75ND	1
4	40NA	5928	71NA	75NA	13ND	1
5	20NA	11016	26NA	30NA	58ND	2

NOTE: P/L AND T/R ON OCCUR AS SHOWN IN "P/L ON" COLUMN.
HOWEVER, EFFECTIVE READIN STARTS APPROX. ONE MINUTE LATER DUE
TO TIME REQUIRED FOR TRAVELING-WAVE TUBE TO WARM UP EFFECTIVE
R/I DURATION IS 23 MIN.

2. 7305:

CMD	ON DELAY	ON LAT	OFF DELAY	OFF LAT	REV
3	1128	62ND	1512	39ND	0
6	3880	34NA	4264	59NA	1
4	6YEW	61ND	7016	38ND	1
5	12040	83ND	12424	61ND	2

ABOVE DELAYS BASED ON PERIOD OF 91.1 MIN.

C. DUE TO CONFLICTS WITH PROG. 206 VEHICLE IN EARLY REVS,
VEHICLE CANNOT BE EFFECTIVELY CHECKED OUT UNTIL DAY TWO. CHECK
OUT WILL TAKE UNTIL DAY THREE, AT WHICH TIME OPERATIONS
CAN BEGIN.

D. CALIBRATED READOUT TIME IS 364 SEC. USE 140 SEC.
MINIMUM, 500 SEC. DESIRABLE CONTACT TIME FOR R/O, VICE
VALUES GIVEN IN 2927.

TOP SECRET

CFW 3031

REINDEER-X

13755

DISTRIBUTION 50X1

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Copy 1 of 3
Page 1 of 3
Control No. 7315



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8

&17 7306:

CMD	CMD LAT	DELAY	P/L ON LAT	EFF. R/I START LAT	P/L OFF LAT	REV
3	40NA	504	78NA	82NA	06ND	0
6	40ND	3464	06NA	10NA	75ND	1
4	40NA	5928	71NA	75NA	13ND	1
5	20NA	11016	26NA	30NA	58ND	2

NOTE: P/L AND T/R ON OCCUR AS SHOWN IN "P/L ON" COLUMN.
HOWEVER, EFFECTIVE READIN STARTS APPROX. ONE MINUTE LATER DUE
TO TIME REQUIRED FOR TRAVELING-WAVE TUBE TO WARM UP EFFECTIVE
R/I DURAPON IS 23 MIN.

2. 7305:

CMD	ON DELAY	ON LAT	OFF DELAY	OFF LAT	REV
3	1128	62ND	1512	39ND	0
6	3880	34NA	4264	59NA	1
4	6632	61ND	7016	38ND	1
5	12040	83ND	12424	61ND	2

ABOVE DELAYS BASED ON PERIOD OF 91.1 MIN.

C. DUE TO CONFLICTS WITH PROG. 206 VEHICLE IN EARLY REVS,
VEHICLE CANNOT BE EFFECTIVELY CHECKED OUT UNTIL DAY TWO. CHECK
OUT WILL TAKE UNTIL DAY THREE, AT WHICH TIME OPERATIONS
CAN BEGIN.

D. CALIBRATED READOUT TIME IS 384 SEC. USE 440 SEC.
MINIMUM, 500 SEC. DESIRABLE CONTACT TIME FOR R/O, VICE
VALUES GIVEN IN 2927.
BT

50X1

~~TOP SECRET~~
~~Handle as COMINT~~
~~Control System~~



~~Handle via [redacted]~~
~~Control System~~

1964 OCT 21 12 50

13778

SAFSS

TSBA575/211849Z ZEA ZPO [redacted] OPCEN
BT
XXXXX ZEA
NINE THREE FIVE GUARD SIX TWO SIX [redacted] ONE ZERO FIVE [redacted]
THREE ZERO FOUR OPCEN
GUARD PASS MARGO
OPCEN PASS MANOR

T O P S E C R E T 211837Z
PRIORITY WAHOO INFO PRIORITY [redacted] WHIG MARGO [redacted] ADIC MANOR CITE
WORTH 6135.
REINDEER-34/WEDGE
A. 7305/7306
B. 23 OCT-1917Z
C. NO CHANGE
D. PRE-LAUNCH PREPARATION PROGRESSING SATISFACTORILY
T O P S E C R E T
CFN: 6135 -34/WEDGE A 7305/7306 B 23 OCT-1917Z C NO CHANGE D PRE-
LAUNCH
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7305

PRIORITY

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

in
13863

1964 OCT 12 22 02

SAFSS

VTSBA590/222019Z ZEA ZPO [] OPCEN
BT
XXXXX ZEA
NINE FOUR SIX GUARD SIX THREE THREE [] ONE ZERO SEVEN []
THREE ONE ONE OPCEN
GUARD PASS MARGO
OPCEN PASS MANOR

50X1

TOP SECRET 221859Z
PRIORITY WAHOO INFO PRIORITY [] WHIG MARGO [] ADIC MANOR CI
WORTH-6151.
REINDEER-34/WEDGE
A. 7305/7306
B. 23 OCT-1917Z
C. NO CHANGE
D. PREPARATIONS FOR LAUNCH PROCEEDING SATISFACTORILY
TOP SECRET
CFN: 6151 -34 A. 7305/7306 B. 23 OCT-1917Z C. NO CHANGE D.
BT

7305

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SECRET

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~~Control System~~

13905

1964 OCT 23 10 16 1964 OCT 23 10 15

SAFSS

SAFSS

V
D10739/231905Z ZEA ZPO OPCEN
BT
XXXXX ZEA
NINE TWO THREE GUARD FIVE ZERO SIX OPCEN TWO SIX EIGHT
GUARD PASS MARGO
OPCEN PASS MANOR

TOP SECRET 231900Z
IMMEDIATE WAHOO MARGO ADIC INFO PRIORITY WHIG MANOR
CITE 3059
REINDEER-35/WEDGE
A. 7305/7306
B. 23/1824:58Z (BOOSTER)
C. LAUNCH APPEARS NOMINAL
TOP SECRET
CFN: 3059 -35/WEDGE 7305/7306 23/1824:58Z
BT

50X1

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607

1964 OCT 15 00 34

SAFSS

13928

DID746/232213Z ZEA ZPO OPCEN WORTH ☐
 BT
 XXXXX ZEA
 NINE TWO NINE GUARD FIVE ONE ZERO OPCEN
 EIGHT FOUR FOUR WORTH TWO SEVEN ZERO ☐
 GUARD PASS MARGO
 OPCEN PASS ADIC MANOR

TOP SECRET 232210Z
 IMMEDIATE WANGO INFO PRIORITY WORTH MANOR MARGO ☐ ADIC WHIG
 CITE ☐ 3066
 REINDEER-26/WEDGE

A. 7305/7306
 B. 23/2127Z (REV2)HULA)
 C. NOMINAL, BASED ON ACQ TIME.
 D. NOT YET AVAILABLE
 E. SEPARATION AND SPIN VERIFIED. ENGINE BURN VERIFIED,
 AND NOMINAL, BASED UPON HULA ACQ TIME. VEHICLE HEALTHGOOD.

TOP SECRET

CFN 3066

REINDEER-26/WEDGE

A. 7305/7306
 B. 23/2127Z (REV2)HULA)
 C. NOMINAL, BASED ON ACQ TIME.
 D. NOT YET AVAILABLE
 E. SEPARATION AND SPIN VERIFIED. ENGINE BURN VERIFIED,
 AND NOMINAL, BASED UPON HULA ACQ TIME. VEHICLE HEALTHGOOD.
 BT

50X1

13928

~~TOP SECRET~~~~Handle via OYEMAN~~~~Control System~~

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USA EDI 17 05 58

SAFSS 13962

DID757/240552Z ZEA ZPO OPCEN
BT
XXXXX ZEA
NINE FOUR ZERO GUARD FIVE ONE SEVEN OPCEN
GUARD PASS MARGO

50X1

T O P S E C R E T 240550Z
PRIORITY WAMOO INFO PRIORITY ADIC MARGO WHIG CITE 3077
REINDEER-X
REF 7305/7306

1. REINDEER-68 WILL BE TRANSMITTED ASAP AFTER 24/0715Z.
2. AS OF REV 6/POGO VEHICLE HEALTH NOMINAL EXCEPT FOR QUESTIONABLE BATTERY TEMP READING. TWO TEMP MONITORS ON THE BATTERY READ 70 AND 102 DEGREES. 90 DEGREES IS NOMINAL

T O P S E C R E T
CFN: 3077 -X 7305/7306 -68 ASAP 24/0715Z REV 6/POGO
TEMP TWO TEMP 70 102 90
BT

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7305

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47 14

SAFSS 13972

O ID 766/24 111Z ZEA
 BT
 YXXXX ZEA
 NINE FOUR NINE GUARD

T O P S E C R E T 24 1105Z
 PRIORITY WAMOO INFO PRIORITY WHIG CITE 3086
 RE INDEER-X
 REF A. 7305/7306
 B. 3077

1. BATT. TEMP MONITOR READING 102 DEGREES REPORTED
 IN REF B HAS BEEN DETERMINED TO BE A BAD TM POINT.

2. ALL OTHER VEHICLE HEALTH CHECKS APPEAR NOMINAL.

T O P S E C R E T

CFN: 3806 7305/7306 3077 BATT TEMP 102 DEGREES REF B
 TO BE A BAD TM POINT
 BT

NNNN

50X1

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13972

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~~Control System~~

PRIORITY

~~TOP SECRET~~

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1964 OCT 24 20 04

~~Control System~~

SAFSS

13990

DID779/241955Z ZEA ZPO WORTH

BT

XXXXX ZEA

NINE SIX TWO GUARD EIGHT SIX TWO WORTH TWO SEVEN FIVE

GUARD PASS MARGO

50X1

~~TOP SECRET~~ 241950Z

PRIORITY WHIG INFO ROUTINE WAHOO WORTH MARGO

CITE 3099

REINDEER-70 / WEDGE

A. 7305 / 7306

B. 16

C. N/A

D. INDEF

E. VEHICLE HEALTH VERY GOOD. CHECKOUT PROCEEDING NORMALLY.

TASKING PAYLOAD IN ORDER TO CHECK OUT TAPE RECORDERS AND ALL

TIME DELAYS, FOLLOWING REINDEER-11 AS CLOSELY AS POSSIBLE.

~~TOP SECRET~~

CFN: 3099 -70 7305 / 7306 16 N/A INDEF REINDEER-11

BT

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13990

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954 00: 24 00 17

SAFSS

13949

DID 749/232330Z ZEA ZPO WORTH [] OPCEN

BT

XXXXX ZEA

NINE THREE TWO GUARD EIGHT FOUR SIX WORTH

TWO SEVEN TWO [] FIVE ONE TWO OPCEN

GUARD PASS MARGO

OPCEN PASS MANOR

T O P S E C R E T 232325Z

PRIORITY WAHOO INFO PRIORITY WORTH MANOR MARGO ADIC WHIG []

CITE [] 3069

REINDEER-26/WEDGE

(SUPPLEMENT)

A. 7305/7306

D. SPACETRACK OBJECT #913

T O P S E C R E T

CFN 3069 -26/WEDGE 7305/7306 #913

BT

50X1

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DISTRIBUTION
SAFSS A I
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13949

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PRIORITY

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~~Control System~~

1964 OCT 26 00 05

D 10817/252350Z ZEA ZPO WORTH

SAFSS

14048

BT

XXXXX ZEA

ZERO ZERO ONE GUARD EIGHT EIGHT SIX WORTH TWO SEVE SEVEN
GUARD PASS MARGO

T O P S E C R E T 252330Z

PRIORITY WHIS INFO ROUTINE WAHOO WORTH MARGO

CITE 3138

RE INDEER-70 / WEDGE

- A. 7305 / 7306
- B. 33
- C. N/A
- D. INDEF

E. VEHICLE & P/L HELATH GOOD. CHECKOUT COMPLETE.

EIGHT NORMAL READOUTS SO FAR. REV 16 COOK READOUT VIA
MICROWAVE SHOWED NORMAL P/L OPN. SIGNALS WERE OBSERVED.

T O P S E C R E T

CFN: 3138

-70 / WEDGE 7305 / 7306 33 N/A INDEF & P/L REV 16 COOK
VIA P/L OPN

BT

50X1

NNNN

14048

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

DO NOT 21 00 12

SAFSS 14/29

010002/270130Z ZEA ZPO WORTH

BT

XXXX ZEA

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

TOP SECRET 270020Z

PRIORITY WHIG INFO WAHOO WORTH MARGO CITE 3169

50X1

RE INDEER-70 / WEDGE

- A. 7305 / 7306
- B. 49
- C. N/A
- D. INDEF

E. VEHICLE & PAYLOAD HEALTH NOMINAL. REV 25 READOUT WINCOM

TAPE EXAMINED - BOTH PAYLOADS WORKING VERY WELL - VERY
CLEAN DATA.

TOP SECRET

CFN: 3169

-70 7305 / 7306 49 N/A INDEF & REV 25

BT

NNNN

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

14/29

Page 1 of 3
Page 1 of 3
Control No.

PRIORITY

01087572825 [redacted]

BT

XXXXX ZEA

ZERO FIVE THREE GUARD NINE ONE SEVEN WORTH TWO EIGHT FIVE [redacted]

GUARD PASS MARGO

004 OCT 20 02 16

50X1

TOP SECRET 280155Z

PRIORITY WHIG INFO WAHOO WORTH MARGO [redacted]

CITE

3191

SAFSS 1420Z

RE INDEER-70/WEDGE

A. 7305/7306

B. 65

C. N/A

D. INDEF

E. P/L AND VEHICLE HEALTH GOOD. READOUTS NORMAL. REV 33

R/O MINCOM TAPE EXAMINED. BOTH PAYLOADS OPERATING WELL.

ROUTINE SIGNALS OBSERVED.

TOP SECRET

CFN 3191

RE INDEER-70/WEDGE

A. 7305/7306

B. 65

C. N/A

D. INDEF

E. P/L AND VEHICLE HEALTH GOOD. READOUTS NORMAL. REV 33

R/O MINCOM TAPE EXAMINED. BOTH PAYLOADS OPERATING WELL.

ROUTINE SIGNALS OBSERVED.

BT

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1420Z

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~~Handle via COMINT~~
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1964 OCT 20 01 49

SAFSS

14260

DID888/290115Z ZEA ZPO WORTH

BT

XXXXX ZEA

ZERO SIX FIVE GUARD NINE TWO SEVEN WORTH TWO EIGHT SEVEN

GUARD PASS MARGO

TOP SECRET 290100Z

PRIORITY WHIG INFO Wahoo WORTH MARGO

CITE

3204

REINDEER-70/WEDGE

A. 7305/06

B. 79

C. N/A

D. INDEF

E. NOMINAL-P/L & VEHICLE HEALTH GOOD. READOUTS NORMAL.

50X1

TOP SECRET

CFN 3204

REINDEER-70/WEDGE

A. 7305/06

B. 79

C. N/A

D. INDEF

E. NOMINAL-P/L & VEHICLE HEALTH GOOD. READOUTS NORMAL.

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~~Handle via COMINT~~

PRIORITY

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

14297

SAFSS

D10891/300130Z ZEA ZPO WORTH

BT

XXXXX ZEA

ZERO SIX SEVEN GUARD NINE THREE ZERO WORTH

TWO EIGHT EIGHT

GUARD PASS MARGO

50X1

T O P S E C R E T 300120Z

PRIORITY WHIG INFO WAHOO WORTH MARGO

CITE

3207

REINDEER-70/WEDGE

A. 7305/06

B. 96/30 OCT

C. N/A

D. INDEF

E. NOMINAL

T O P S E C R E T

CFM: 3207 70 7305/06 96 30 OCT N/A INDEF

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14297

PRIORITY

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

14357

INCOMING

1964 OCT 31 02 16

SAFSS

DID905/310200Z ZEA ZPO WORTH
BT

XXXXX ZEA
ZERO SEVEN EIGHT GUARD NINE FOUR ZERO WORTH
TWO NINE ONE
GUARD PASS MARGO

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~~TOP SECRET~~ 302325Z

PRIORITY WHIG INFO WAMOO WORTH MARGO CITE 3221
REINDEER-70/WEDGE

- A. 7305/06
- B. 112
- C. N/A
- D. INDEF

E. NOMINAL - P/L OPERATION GOOD

READOUTS NOMINAL - SIGNALS OBSERVED. PAYLOAD CLOCK
FUNCTIONING, BUT, DUE TO A DESIGN FAULT, IT CANNOT
ALWAYS BE READ OUT IN REAL TIME FOR CALIBRATION. CLOCK
WILL BE GOOD FOR DETERMINING RELATIVE TIME WITHIN A READIN,
AND ABSOLUTE TIME OF READIN START CAN BE DETERMINED
AS USUAL BY ADDING DELAY TIME TO COMMAND TIME. R/O ON
REV 48 WAS SEVERAL SECONDS LONGER THAN NORMAL. EXAMINATION
OF DATA INDICATED THAT SPURIOUS READIN COMMAND AFTER
REV 43 R/I AND BEFORE R/O REV 48 (VEHICLE IS PROGRAMMED
TO TERMINATE READIN SEVERAL SECONDS BEFORE END-OF-TAPE
ON RECORDER TO PREVENT ANY POSSIBLE DAMAGE TO RECORDER)
THIS EXTRA SHORT READIN DID NOT CAUSE ANY DAMAGE.

F. ESTIMATE ORBITAL LIFE WILL BE IN EXCESS OF 100 DAYS.

~~TOP SECRET~~

CFN: 3221 70/WEDGE 7305/06 112 N/A INDEF P/L CANNOT ALWAYS
BE READ R/O REV 48 REV 43 R/I R/O REV 48 READIN DID NOT
CAUSE ANY DAMAGE 100 DAYS
BT

~~TOP SECRET~~

~~Handle via BYEMAN~~

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Control No.

PRIORITY

INCOMING

INCOMING

1964 OCT 1 05 13

DID221/010445Z ZEA ZPO WORTH

BT

XXXXX ZEA

ZERO NINE FOUR GUARD NINE FOUR SEVEN WORTH

TWO NINE FIVE

GUARD PASS MARGO

SAFSS

14389

50X1

TOP SECRET 010440Z

PRIORITY WHIG INFO WAHOO WORTH

MARGO CITE

3237

REINDEER-70/WEDGE

A. 7305/06

B. 132/1NOV

C. N/A

D. INDEF

E. NOMINAL

TOP SECRET

CFN: 3237 -70/WEDGE 7305/06 132/1NOV

N/A INDEF

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PRIORITY

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SAFSS

14436

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PP 022023Z
FM DIRNSA
TO SAFSS

TOP SECRET/

PRIORITY MADAM/INFO PRIORITY WORTH, WHIG, WAHOO, [REDACTED] CITE
MARGO 3644-4 REINDEER X

50X1

- A. 7305
B. TEST TAPES RECEIVED AT MARGO ON 28 OCT 64 ARE UNSATISFACTORY FOR USE IN SETTING UP PROCESSING SYSTEM. SPECIFIC DEFICIENCIES ARE AS FOLLS:
1. RECORDING TECHNIQUE TO BE EMPLOYED AT DUMP STATIONS NOT USED. PRESUME RECORDING WAS OF TYPE TO BE USED IN PAYLOAD.
 2. RUNS WERE NOT SIMULTANEOUS, I.E., BOTH CHANNELS OF RECEIVING SYSTEM ON PARALLEL TRACKS. DIFFERENT CYCLE TIMES WERE MEASURED WHICH WERE IN EACH CASE DIFFERENT FROM TECHNICAL DESCRIPTION.
 3. NO DESCRIPTION OF TEST SET UP ACCOMPANIED TAPES. MANY ANOMALIES NOTED WHICH WERE UNDETERMINED AS TO SOURCE (TEST SET UP OR SYSTEM?)
 4. NO RECORDING OF COMMUTATOR OUTPUT WAS FURNISHED.
 5. REPRESENTATIVE SIGNALS (PULSED AND FM) WERE NOT RECORDED. 1000 PPS USED IS NOT REPRESENTATIVE OF SIGNALS IN BANDS COVERED.
 6. NO RECORDING OF SYSTEM CALIBRATION CYCLE INCLUDED.
 7. INSUFFICIENT SIGNAL TO NOISE RATIO OF TIME MARKERS.
- C. CAPT WILLIAMS WILL VISIT MADAM 4-6 NOV 64 TO ATTEMPT TO RESOLVE ABOVE DISCREPANCIES. UNTIL RESOLVED, INITIAL PROCESSING RESULTS WILL BE SEVERELY DELAYED.

TOP SECRET/
BT

14436

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TOP SECRET

Handle via BYEMAN

PRIORITY **INCOMING**

~~Handle via BTEMAN~~
~~Control System~~

064 NOV 3 00 05

SAFSS 14452

DID932/030220Z ZEA ZPO WORTON

~~REINDEER-70~~

ONE ZERO THREE GUARD TWO NINE SEVEN NINE FIVE ONE NORTH
GUARD PASS MARGO

50X1

~~TOP SECRET~~ 030210Z

PRIORITY WHIG INFO WAHOO WORTH MARGO CITE 3246

~~REINDEER-70/WEDGE~~

- A. 7305/06
- B. 156/2 NOV
- C. N/A
- D. INDEF
- E. NOMINAL

~~TOP SECRET~~

CFN: 3246 -70 7305/06 156/2 NOV N/A INDEF

BT

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7305

PRIORITY

SAFSS

110001/0409927 7EA ZPO WORTH

BT

XXXXX 7EA

ONE ONE ONE GUARD NINE FIVE FIVE WORTH THREE ZERO ONE
GUARD PASS MARGO

TOP SECRET 040543Z

PRIORITY WHIG INFO WAHOO WORTH

MARGO CITE

3255

REINDEER 70/WEDGE

A. 7305/06

B. 175/ 3 NOV

C. N/A

D. INDEF

E. NOMINAL

TOP SECRET

CFN: 3255 70 7305/06 175/ 3 NOV N/A INDEF NOMINAL

BT

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7305

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Date _____

PRIORITY

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INCOMING

1734100 6 00 12

DID959/060230Z ZEA ZPO WORTH

SAFSS 14637

BT

XXXXX ZEA

ONE TWO SEVEN GUARD NINE SIX TWO WORTH THREE ZERO SIX
GUARD PASS MARGO

TOP SECRET 060220Z

PRIORITY WHIG INFO MARGO WORTH WAHOO

CITE

3273

50X1

REINDEER-70/WEDGE

- A. 7305/06
- B. 207/5 NOV
- C. N/A
- D. INDEF
- E. NOMINAL - BOTH PAYLOADS OPERATING CONSISTENTLY.

SIGNALS OBSERVED ON MOST RECENT EXAMINED TAPES. P/L CLOCK CAN
BE READOUT ON REAL TIME OFTEN ENOUGH FOR CALIBRATION.

TOP SECRET

CFN 3273

REINDEER-70/WEDGE

- A. 7305/06
- B. 207/5 NOV
- C. N/A
- D. INDEF
- E. NOMINAL - BOTH PAYLOADS OPERATING CONSISTENTLY.

SIGNALS OBSERVED ON MOST RECENT EXAMINED TAPES. P/L CLOCK CAN
BE READOUT ON REAL TIME OFTEN ENOUGH FOR CALIBRATION.

BT

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INCOMING

1964 NOV 7 02 12

SAFSS

DID974/070149Z ZEA ZPO [] WORTH
BT
XXXXX ZEA
ONE FOUR TWO GUARD THREE ZERO NINE []
NINE SEVEN THREE WORTH
GUARD PASS MARGO

14717

TOP SECRET 070149Z
PRIORITY WHIG INFO WAHOO MARGO [] WORTH CITE [] 3288
REINDEER-70/WEDGE
A. MSN 7305/7306
B. REV 223/6 NOV
C. N/A
D. INDEF
E. NOMINAL

50X1

TOP SECRET
CFN: 3288 -70/WEDGE 7305/7306 REV 223/6 NOV
N/A INDEF NOMINAL
BT

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7305
13

~~Handle via BYEMAN~~
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INCOMING

14774

5455

DID985/092205Z ZEA
BT
XXXXX ZEA
ONE FIVE THREE GUARD

TOP SECRET 092200Z
PRIORITY WAHOO INFO WHIG CITE 3299
REINDEER-X
REF. MSN 7305/7306

1. REV 358 STATION CONTACT DURATION TOO SHORT (344 SECONDS),
AND TOO LOW (4 DEG EL) FOR T/R READOUT.

2. UNLESS OTHERWISE DIRECTED BY YOU, ALL COMMANDS FOR THIS
PASS WILL BE DELETED.

TOP SECRET
CFN: 3299 -X 7305/7306 REV 358 344 4 DEG EL T/R
BT

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14774

72-5

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14802

DID992/100230Z ZEA

BT

XXXXX ZEA

ONE SIX ZERO GUARD

TOP SECRET 100220Z

PRIORITY WAHOO INFO WHIG CITE 3306

REINDEER-X

A. 7305/06

B. BATTERY EXERCISE PLANNED FOR REVS 251 - 269 NOT ACCOMPLISHED DUE TO SCHEDULING ERROR. RE-SCHEDULED EXERCISE WILL CAUSE LOSS OF SCHEDULED COMMANDS FOR REVS 290, 302, 306 AND 316. UNLESS YOU OBJECT, WILL PROCEED AS BATTERY IS OVER DUE FOR RECHARGING. IF YOU DO NOT WISH TO LOSE THESE REVS, A SIMILAR PATTERN OF REVS MUST BE DELETED THE FOLLOWING DAY.

TOP SECRET

CFN: WILL RERUN ON REQ

BT

50X1

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PRIORITY

INCOMING

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1964 NOV 10 19 59

SAFSS

14826

/101920Z ZEA

BT

XXXXX ZEA

NINE TWO SEVEN

TOP SECRET 101920Z

PRIORITY [] INFO WHIG CITE WAHOO 5817

REINDEER-X

A. 7305/06

B. [] 3306

50X1

CONCUR WITH BATTERY EXERCISE SCHEDULE PROPOSED IN REF B.

TOP SECRET

CFN: 5817 -X 7305/06 [] 3306 CONCUR REF B

BT

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PRIORITY

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CONFIDENTIAL
F787
C-478
B-000

DID011/132010Z ZEA ZPO WORTH ☐

BT

XXXXX ZEA

ONE SEVEN FIVE GUARD NINE NINE ONE WORTH THREE ONE SIX ☐
GUARD PASS MARGO

14933

50X1

TOP SECRET 132000Z

PRIORITY WHIG INFO VAMOO MARGO ☐ WORTH CITE ☐ 3324
REINDEER-70/WEDGE

A. 7305/7306

B. REV 330/13 NOV

C. N/A

D. INDEF

E. NOMINAL EXCEPT FOR COMMAND ANOMOLY CAUSING LOSS OF

RI ON REV 319. BOTH RECORDERS WERE AT END OF TAPE AT REV 322
ACQ.

TOP SECRET

CFN: 3324 -70 7305/7306 REV 330/13 NOV N/A INDEF RI REV 319

REV 322 ACQ

BT

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PRIORITY

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15014
INCOMING
7305

D 1003 V 17220Z ZEA
BT
XXXXX ZEA
ONE NINE ZERO GUARD

50X1

TOP SECRET 1722 10Z
PRIORITY WAMOO INFO WHIG CITE 3343
REINDEER-X
REF. WSN 7305/7306

REQUEST PERMISSION TO DELETE REV 522 R1 COMMAND FOR
BATTERY CHARGING EXERCISE.

TOP SECRET
CFN: 3343 -X 7305/7306 REV 522 R1
BT

NNNN

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1506

BT / 18 102 ZEA

BT

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NINE FIVE THREE

[Redacted]

TOP SECRET 18135 Z

PRI [Redacted]

INFO WHIG CITE WAHOO 5895

REINDEER-X

REF A. MSN 7305/7306

REF B. [Redacted] 3343

PERMISSION GRANTED.

TOP SECRET

CFN: 5895

REINDEER-X

REF A. MSN 7305/7306

REF B. [Redacted] 3343

PERMISSION GRANTED.

BT

50X1

NNNNQ

15061

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15215

SAFSS

7305

DID048/201745Z ZEA

BT

XXXXX ZEA

TWO ZERO SIX GUARD

GUARD PASS MARGO

TOP SECRET 201725Z

PRIORITY WAHOO INFO MARGO WHIG CITE

3359

50X1

REINDEER-X

REF A. 7305/06

B. WAHOO 5937 (NOTAL)

1. IMMEDIATELY AFTER LAUNCH, SPACE TRACK REPORTED
ASSIGNMENT OF OBJ NBR 913 TO REF A.2. WE HAVE RECHECKED WITH SPACETRACK, AND THEY NOW
SAY OBJECT NUMBER IS 914 (1964-68B).

TOP SECRET

CFN: 3359 7305/06 5937 (NOTAL) OBJ NBR 913 REF A 914
(1964-68B)

BT

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15215

DID054/210146Z ZEA ZPO WORTH

15255

BT

XXXXX ZEA

THREE TWO ZERO TWO ONE ONE GUARD ZERO ONE ONE WORTH
WORTH PASS MARGO

TOP SECRET 210130Z

PRIORITY WHIG INFO WAHOO WORTH MARGO CITE 3365

50X1

REINDEER-70/WEDGE

A. 7305/7306

B. 441/20 NOV

C. N/A

D. INDEF

E. A SPURIOUS SIGNAL IN 7305 OUTPUT HAS BEEN NOTED OFF AND ON SINCE REV 190. IT IS A PULSE AT A 5 KC. RATE OCCURRING AT THE TWO CALIBRATION REQUENCIES ONLY. IT IS LOW LEVEL AND DOES NOT APPEAR WHEN THE ATTENUATOR IS SWITCHED OUT. IT IS APPARENTLY CAUSED BY LEAKAGE FROM THE CALIBRATION OSCILLATOR. OTHERWISE BOTH PAY LOADS ARE NOMINAL.

F. ORBITAL DECAY IS ESTIMATED TO BE IN LATE MARCH, 1964.

TOP SECRET

CFN 3365

REINDEER-70/WEDGE

A. 7305/7306

B. 441/20 NOV

C. N/A

D. INDEF

E. A SPURIOUS SIGNAL IN 7305 OUTPUT HAS BEEN NOTED OFF AND ON SINCE REV 190. IT IS A PULSE AT A 5 KC. RATE OCCURRING AT THE TWO CALIBRATION REQUENCIES ONLY. IT IS LOW LEVEL AND DOES NOT APPEAR WHEN THE ATTENUATOR IS SWITCHED OUT. IT IS APPARENTLY CAUSED BY LEAKAGE FROM THE CALIBRATION OSCILLATOR. OTHERWISE BOTH PAY LOADS ARE NOMINAL.

F. ORBITAL DECAY IS ESTIMATED TO BE IN LATE MARCH, 1964.

BT

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Control No.

103407 05 07 43

7305

SAFSS

35

15524

DID074/260555Z ZEA ZPO WORTH

BT

XXXXX ZEA

TWO TWO SEVEN GUARD ZERO TWO FOUR WORTH

T O P S E C R E T 260530Z

PRIORITY WAHOO INFO WHIG WORTH CITE 3384

REINDEER-X

A. 7305/06

B. CMD REVS 536 AND 538 WILL BE LOST DUE TO CONFLICT WITH
PROG. 241C. SINCE THERE ARE USUALLY 6 OR 7 USEABLE COMMAND REVS
PER DAY, SUGGEST YOU MAY WISH TO SPECIFY ALTERNATE COMMAND
REVS (AS FOR MSN 7301) TO BE USED WHEN A PRIMARY COMMAND PASS
IS UNAVAILABLE. IT IS ADVISABLE FROM A VEHICLE HEALTH STANDPOINT
TO CONTACT THE VEHICLE AT LEAST EVERY 12 HOURS.

T O P S E C R E T

CFN 3384

REINDEER-X

A. 7305/06

B. CMD REVS 536 AND 538 WILL BE LOST DUE TO CONFLICT WITH
PROG. 241C. SINCE THERE ARE USUALLY 6 OR 7 USEABLE COMMAND REVS
PER DAY, SUGGEST YOU MAY WISH TO SPECIFY ALTERNATE COMMAND
REVS (AS FOR MSN 7301) TO BE USED WHEN A PRIMARY COMMAND PASS
IS UNAVAILABLE. IT IS ADVISABLE FROM A VEHICLE HEALTH STANDPOINT
TO CONTACT THE VEHICLE AT LEAST EVERY 12 HOURS.

BT

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SAFSS 4	ACTION	INFO
DIRECTOR		
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15568

SAFSS

7306

DID082/272110Z ZEA ZPO WORTH

BT

XXXXX ZEA

TWO THREE FIVE GUARD ZERO TWO EIGHT WORTH THREE TWO FOUR

GUARD PASS TO MARGO

~~TOP SECRET~~ 272100Z

PRIORITY WHIG INFO WAHOO WORTH

MARGO CITE

3392

50X1

REINDEER 70/WEDGE

A. 7305/7306

B. REV 552/27 NOV

C. N/A

D. INDEF

E. NO CHANGE

~~TOP SECRET~~

CFN: 3392 70/WEDGE A. 7305/7306 B. REV 552/27 NOV C. N/A

D. INDEF E. NO CHANGE

BT

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1504 1200 2 M 10

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SAFSS 15738

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~~Control System~~

7305

DID 100/020055Z ZEA

BT

XXXXX ZEA

TWO FOUR NINE GUARD

TOP SECRET 020050Z

PRIORITY WAHOO INFO WHIG CITE

3406

50X1

REINDEER-X

A. 7305/7306

B. BATTERY EXERCISE REQUIRED IN NEAR FUTURE. THERE ARE ONLY TWO PERIODS AVAILABLE FOR WHICH ONLY ONE COMMANDING REV WILL BE LOST: REV 704 OR 744. PLEASE ADVISE WHICH ONE YOU WOULD RATHER HAVE DELETED BY 01/1700Z

TOP SECRET

CEN: 3406 -X 7305/7306 TWO PERIODS REV 704 OR 744 01/1700Z

BT

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1961 DEC 2 17 59

/02175Z ZEA

BT

SAFSS

XXXXX ZEA

NINE NINE NINE

15768

~~TOP SECRET~~ 021741Z

PRIORITY INFO WHIG CITE WAMOO 6130

REINDEER-X

2305

A. 7305/7306

B. 3406

50X1

DESIRE TO LOSE REV 744 INSTEAD OF 704. REF B DATE TIME

GROUP WAS 020050Z

~~TOP SECRET~~

CFN: 6130

REINDEER-X

A. 7305/7306

B. 3406

DESIRE TO LOSE REV 744 INSTEAD OF 704. REF B DATE TIME

GROUP WAS 020050Z

BT

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PRIORITY

~~Handle via BYEMAN~~
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15851

1964 DEC 4 00 05

SAFSS

7305

DID121/040001Z ZEA
BT
XXXXX ZEA
TWO SIX FOUR GUARD

~~TOP SECRET~~ 040001Z
PRIORITY WAHOO INFO WHIS CITE [] 3427
REINDEER-X
REF A. MSN 7305/7306
B. WAHOO 6130
C. [] 3406

50X1

1. PLEASE DISREGARD REF C. BATT EXERCISE WILL REQUIRE:
A. LOSS OF REV 704 OR, B. LOSS OF REV 744 AND 733, OR 734,
OR 736.
2. PLEASE ADVISE WHICH CHOICE PRIOR TO 05/0130Z

~~TOP SECRET~~
CFN: 3427
REINDEER-X
REF A. MSN 7305/7306
B. WAHOO 6130
C. [] 3406

1. PLEASE DISREGARD REF C. BATT EXERCISE WILL REQUIRE:
A. LOSS OF REV 704 OR, B. LOSS OF REV 744 AND 733, OR 734,
OR 736.
2. PLEASE ADVISE WHICH CHOICE PRIOR TO 05/0130Z

BT

15851

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1961 DEC 4 00 48

SAFCS

7305

DID12/040035Z ZEA ZPO WORTH
BT

XXXX ZEA

170 SIX FIVE GUARD THREE THREE FIVE ZERO FIVE ONE WORTH

PASS MARGO

TOP SECRET 040035Z

PRIORITY WHIG INFO WAHOO WORTH

MARGO CITE

3428

50X1

REINDEER 70/WEDGE

A. 7305/7306

B. REV 650/3 DEC

C. N/A

D. INDEF

E. NO CHANGE

TOP SECRET

CEN 3428

REINDEER 70/WEDGE

A. 7305/7306

B. REV 650/3 DEC

C. N/A

D. INDEF

E. NO CHANG

BT

N
N

15854

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844000 5 10 04

SAFSS

15971

7305

DID162/051100Z ZEA

BT

XXXXX ZEA

THREE ZERO FIVE GUARD

TOP SECRET 042040Z

WAHOO INFO WHIG CITE [] 3468

REINDEER-X

50X1

A. 7305/7306

B. WAHOO 6161

C. [] 3406

D. WAHOO 6126

THE NUMBER OF CMD REVS LOST DURING A BATTERY EXERCISE
 DEPENDS ON THE TOTAL NUMBER AND SPACING OF CMD REVS DURING
 THE PERIOD. (NOT ALL CMD REVS DURING AN EXERCISE ARE DELETED.)

THE PLAN IN REF C. WAS PREPARED BEFORE REF D. HAD BEEN
 EXAMINED. REF D. ADDED REV 734 WHICH INCREASED BATTERY LOAD
 DURING PROPOSED EXERCISE PERIOD THAT DELETED REV 744.
 THEREFORE EITHER 733, 734 OR 736 HAD TO BE DELETED ALONG
 WITH 744 TO REDUCE BATTERY LOAD DURING EXERCISE PERIOD.

TOP SECRET

CFN 3468

REINDEER-X

A. 7305/7306

B. WAHOO 6161

C. [] 3406

D. WAHOO 6126

THE NUMBER OF CMD REVS LOST DURING A BATTERY EXERCISE
 DEPENDS ON THE TOTAL NUMBER AND SPACING OF CMD REVS DURING
 THE PERIOD. (NOT ALL CMD REVS DURING AN EXERCISE ARE DELETED.)

THE PLAN IN REF C. WAS PREPARED BEFORE REF D. HAD BEEN
 EXAMINED. REF D. ADDED REV 734 WHICH INCREASED BATTERY LOAD
 DURING PROPOSED EXERCISE PERIOD THAT DELETED REV 744.
 THEREFORE EITHER 733, 734 OR 736 HAD TO BE DELETED ALONG
 WITH 744 TO REDUCE BATTERY LOAD DURING EXERCISE PERIOD.

BT

TOP SECRET

Handle via BYEMAN

Control System

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Control No. 15971

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7305

16286

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CUT

1964 DEC 15 10 52

SAFSS

DID237/151830Z ZEA ZPO WORTH

BT

XXXXX ZEA

THREE SIX FOUR GUARD ONE ONE SIX WORTH

50X1

S E C R E T 151820Z

PRIORITY WAHOO INFO WHIG WORTH CITE [] 3531

REINDEER-X

REF A. [] 3329

B. MSNS 7301, 7305/06

AFTER A ONE MONTH TRIAL, STC HAS DECIDED THEY CANNOT
 MAINTAIN ACCURACY REQUIRED FOR LOCAL TRACKING STATION
 ACQUISITIONS BY UPDATING ORBITS ONLY ONCE A WEEK.
 ORBITS WILL NOW BE UPDATED TWICE A WEEK AS BEFORE.
 WE WILL SEND REINDEER-68 FOR EACH MISSION TWICE A
 WEEK, BUT WILL INSURE THAT ONE FOR EACH MISSION WILL
 ARRIVE BEFORE 1300Z THURSDAYS, WITH AS CURRENT INFO
 AS POSSIBLE.

S E C R E T

CFN: 3531 REF 3329 MSNS 7301 7305/06 ONE MONTH STC
 ONCE A WEEK TWICE A WEEK REINDEER-68 TWICE A WEEK
 1300Z THURSDAYS

BT

N
N

N

N

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

16371

7305-

pg 1 of 3

DISTRIBUTION		
SAFSS	A	I
SS-1		
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SS-3		
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RF-2		3
FILE		

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

1964 DEC 15 17 35

D10235/151722Z ZEA
 BT
 XXXXX ZEA
 THREE SIX TWO GUARD

SAFSS

16363

50X1

TOP SECRET 151640Z
 PRIORITY WAHOO INFO WHIG CITE 3529
 REINDEER-X
 REF 7305/7306

REQUIRED BATTERY EXERCISE WILL CAUSE LOSS OF
 COMMANDING ON EITHER REV 966 OR REV 982. PLEASE
 INDICATE WHICH YOU WOULD PREFER TO LOSE.
 TOP SECRET
 CFN: 3529 REV 966 982
 BT

N
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 16363
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~~TOP SECRET~~
~~Handle via BYEMAN~~
~~Control System~~

DISTRIBUTION		
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RF-1		
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FILE		

7305-

ay 10/3

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

1964 DEC 16 10 55

SAFSS

16413

/161952Z ZEA

BT
 XXXXX ZEA
 ONE ZERO ZERO

TOP SECRET 161949Z
 PRIORITY INFO WHIG CITE WAHGO 6342
 REINDEER-X
 REF 3529
 DESIRE TO LOSE REV 966.
 TOP SECRET
 CFN: 6342 3529 REV 966
 BT

DISTRIBUTION		
SAFSS	A	I
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SS-3		
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SS-6	1	
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SS-10		
SS-11		
RF-1		2
RF-2		3
FILE		

50X1

16413

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

Copy 1 of 3 Pages.
 Page 1 of 3
 Control No. 7305



~~TOP SECRET~~
~~Handle via STEMAN~~
~~Control System~~

1964 DEC 17 00 01

DID248/170205Z ZEA

BT

XXXXX ZEA

THREE SEVEN FOUR GUARD

SAFSS

10413

TOP SECRET 170105Z

PRIORITY WAHOO INFO WHIG CITE [] 3541

REINDEER-X

REF A. 7305/06

B. [] 3529

C. WAHOO 6342

1. DISREGARD REF B. CDR SPERBERG INDICATES DESIRE TO HAVE FULL COVERAGE DURING PERIOD 22 DEC TO 1 JAN. THEREFORE ONLY OTHER AVAILABLE BATTERY EXERCISE PERIOD WILL CAUSE LOSS OF CMD REVS 920, 934 AND EITHER 924, 926, OR 928.

2. REQUEST WHICH ONE OF REVS 924, 926, 928 YOU DESIRE TO LOSE MLT 17/2200Z.

TOP SECRET

CFN: 3541 -X 7305/06 3529 6342 REF B CDR SPERBERG 22 DEC 1 JAN CMD REVS 920, 934 924 926 938 MLT 17/2200Z

BT

DISTRIBUTION		
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SS-11		
EF-1		
EF-2		
FILE		

10413

~~TOP SECRET~~~~Handle via STEMAN~~~~Control System~~

13

~~TOP SECRET~~

~~Handle via BYEMAN~~

~~Control System~~

1964 DEC 17 12 12

18460

SAFSS

/171813Z ZEA

BT

XXXXX ZEA

ONE ZERO TWO

TOP SECRET 171804Z

PRIORITY INFO WHIG CITE WAHOO 6352

REINDEER-X

REF A: 3541

B: 7305/7306

DESIRE TO LOSE 928

TOP SECRET

CFN: 6352 3541 7305/7306 928

BT

50X1

DISTRIBUTION		
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18480

~~TOP SECRET~~

~~Handle via BYEMAN~~

~~Control System~~

PRIORITY

TOP SECRET

~~Handle via DYEMAN~~

~~Control System~~

16568

DID259/190230Z ZEA ZPO

BT

XXXXX ZEA

THREE EIGHT TWO GUARD THREE FIVE THREE

GUARD PASS MARGO - 294

TOP SECRET 190230Z

PRIORITY WHIG INFO WAHOO MARGO

CITE

3552

REINDEER-70/WEDGE

A. 7305/06

B. REV 884/18DEC

C. N/A

D. INDEF

E. T/R #2 DID NOT READ OUT ON REVS 781, 793, 797, 799, 809, 829, 831, 833, 872, 876, 880 AND 884.

TAPE APPEARS TO BE STICKING IN RANDOM MANNER, WITH NO APPARENT PERMANENT DEGRADATION TO THE SYSTEM.

F. INTERESTING DATA ON (RI REV 854/RO REV 855 SHIPPED TO MARGO 18 DEC.

TOP SECRET

CFN: 3552

REINDEER-70/WEDGE

A. 7305/06

B. REV 884/18DEC

C. N/A

D. INDEF

E. T/R #2 DID NOT READ OUT ON REVS 781, 793, 797, 799, 809, 829, 831, 833, 872, 876, 880 AND 884.

TAPE APPEARS TO BE STICKING IN RANDOM MANNER, WITH NO APPARENT PERMANENT DEGRADATION TO THE SYSTEM.

F. INTERESTING DATA ON RI REV 854/RO REV 855 SHIPPED TO MARGO 18 DEC.

BT

50X1

DISTRIBUTION		
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RF-2		
FILE		

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Page 1 of 3 Pages.

NN Control No.

16568

TOP SECRET

~~Handle via DYEMAN~~

~~Control System~~

7305

~~Control System~~

N

1994. 6. 17. 20. 30. 40.

1038 18564

4

TOP SECRET 190255Z

50X1

RE INDEER-X

REF A. 7305

ON R/I REV 854, 16 DEC (R/O REV 855)

PAYLOAD INTERCEPTED VERY INTERESTING SIGNAL. TAPE WILL LEAVE
SAN FRANCISCO ARFCOS O/A 19/0500Z AND SHOULD BE AT ARMY COURIER
STATION IN PENTAGON BY 19/1700Z.

ARFCOS PACKAGE NUMBER IS SFW 4284.

T O P S E C R E T

CFN 3554

REINDEER-X

REF A. 7305

ON R/I REV 854, 16 DEC (R/O REV 855)

PAYLOAD INTERCEPTED VERY INTERESTING SIGNAL. TAPE WILL LEAVE
SAN FRANCISCO ARFCOS O/A 19/0500Z AND SHOULD BE AT ARMY COURIER
STATION IN PENTAGON BY 19/1700Z.

ARFCOS PACKAGE NUMBER IS SFW 4284.

BT

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10

18566

~~TOP SECRET~~

~~transmitted via DRYMAN~~

100

7305-

Control No.

16804

1964 DEC 24 21 22

SAPSS

DID290/242055Z ZEA ZPO WORTH

BT

XXXXX ZEA

FOUR ZERO FIVE GUARD THREE FIVE SIX

ONE FOUR NINE WORTH

GUARD PASS MARGO

TOP SECRET 242030Z

PRIORITY WHIG INFO WAHOO WORTH MARGO CITE 3584

REINDEER-70/WEDGE

A. 7305/06

B. 967/23 DEC

C. N/A

D. INDEF

E. 7305 TAPE RECORDER (T/R #2) IS WORSE. OF 25 READOUTS

SINCE LAST REPORT, ONLY ON THREE DID T/R READOUT TO END OF TAPE.

POSSIBLE THAT SOME MOVEMENT OCCURED ON OTHER READOUTS BUT

TAPE NOT EXAMINED YET. GOOD READOUTS ARE AT RANDOM-NO PATTERN.

SEVERAL R/O ON - R/O OFF COMMANDS SENT ALTERNATELY HAVE NOT

HELPED. DO NOT RECOMMEND LEVEL OF TASKING BE CHANGED. OTHER

WISE, PAYLOADS ARE NOMINAL. 7306 T/R IS WORKING NORMALLY.

TOP SECRET

CFN 3584 -70 7305/06 967/23 DEC INDEF 7305 (T/R #2) 25

THREE T/R 7306

BT

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16804

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Control System~~

Copy 1 of 3
Page 1 of 3
Control No. 7755

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16863

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

1964 DEC 28 10 26

SAFSS

DID293/281805Z ZEA
 BT
 XXXXX ZEA
 FOUR ZERO SEVEN

TOP SECRET 281800Z
 PRIORITY WAHOO INFO WHIG CITE 3585
 REINDEER-X
 REF.7301, 7305/06
 FOLG STATION CONFLICTS OCCUR ON 30 DEC 64:
 7305/06 7301

50X1

REV 1069	WITH	6639
1071	"	6641
1077	"	6647

IF YOU WISH TO CHANGE TASKING FOR EITHER VEHICLE
 REQUIRE REINDEER-13 ASAP.

TOP SECRET
 CFN 3585
 REINDEER-X
 REF.7301, 7305/06
 FOLG STATION CONFLICTS OCCUR ON 30 DEC 64:
 7305/06 7301

REV 1069	WITH	6639
1071	"	6641
1077	"	6647

IF YOU WISH TO CHANGE TASKING FOR EITHER VEHICLE
 REQUIRE REINDEER-13 ASAP.

BT

DISTRIBUTION		
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RF-1		2
RF-2		2
FILE		

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

16863

7301-
 193