

~~Control System~~

1500 JAN 15 1962

PASS MAGNET

SAPSS 6723

54399

Page 2

3. DATA OF LIGHT DENSITY HAS BEEN ENTERED IN THE PHOTOGRAPH CHANNEL AND INTERCEPTS ARE RELATIVELY NEAR.

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Date: 1/11/2011 Time: 11:00 Page: 1

Approved for Release: 2024/08/06 C05098776

4. THE TWO RF CALIBRATION OSCILLATORS MODULATED BY A 10 KC SQUARE WAVE HAVE NOT BEEN OBSERVED. A 10 KC RIPPLE IS BEING ENCOUNTERED ON THE AM SWEEPING CHANNEL BUT HAS NOT BEEN NOTICED ON THE XTAL VIDEO CHANNEL.

5. THE COMMUTATED DATA IS RELATIVELY NOISY AND OF POOR QUALITY TO DATE.

6. ANALYSIS OF THE DATA FROM THIS MISSION IS POSSIBLE BUT IT WILL BE A RELATIVELY SLOW PROCESS DUE TO ABOVE CONDITIONS. THE CRITERIA FOR ANALYSIS IN DEPTH WILL BE THE APPEARANCE OF THE HIGH PRIORITY TARGET SIGNAL.

6723

PRIORITY

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

18017

NOV 21 11 07

SAFSS

DIX 16/241050Z ZEA ZPO WORTH [redacted]

BT

XXXX ZEA

[redacted] OUP TWO CUARD TWO FOUR TWO WORTH THREE EIGHT ZERO [redacted]
GUARD PASS MARGO

7306

T O P S E C R E T 241040Z

PRIORITY WHIG INFJ WORTH WAHOO MARGO [redacted] CITE [redacted] 3743

50X1

REINDEER-70/WEDGE

- A. 7305/7306
- B. 1445 / 22 JAN
- C. N/A
- D. INDEF

E. 7306 P/L NOMINAL. 7305 TAPE RECORDER WAS REPORTED TO HAVE READOUT ON REV 1441 - TAPE NOT YET EXAMINED. NO OTHER 7305 T/R MOVEMENT NOTED. ALL COMMAND "3" SENT FAILED TO CAUSE READIN. (3'S HAVE SINCE BEEN DISCONTINUED.)

T O P S E C R E T

CFN: 3743 -70 WEDGE 7305/7306 1445 / 22 JAN N/A INDEF

7306 P/L 7305 REV 1441 NOT YET NO OTHER 7305 T/R "3" 3'S

BT

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18017

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965 JAN 29 03 25

SAFSS

DID613/290240Z ZEA ZPO WORTH

BT

XXXXX ZEA

SIX FOUR NINE GUARD THREE EIGHT NINE

TWO EIGHT FIVE WORTH

GUARD PASS MARGO

TOP SECRET 290200Z

PRIORITY WHIG INFO WAHOO WORTH MARGO CITE 3853

REINDEER-70/WEDGE

A. 7305/06

B. 1537/28 JAN

C. N/A

D. INDEF

E. 7306 NOMINAL. NORMAL 7305 TAPE RECORDER READOUTS OCCURED

ON REVS 1457 AND 1469 ONLY.

TOP SECRET

CFN 3853 -70/WEDGE 7305/06 1537/28 JAN N/A INDEF 7306 7305 1457 1469

BT

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17918

BT
TSDA2 190000QITPE IZEA 2 PO MADAM
BT
XXXXX ZEA
THREE EIGHT ONE MADAM TWO FOUR FOUR GUARD
GUARD PASS MARGO

7305

SECRET 22 1834Z
MADAM INFO WHIG WANDU MARGO CITE WORTH 6875.
EARPOP
MADAM FOR DR HARRIS
REF WHIG 2300
DISTRIBUTION OF THE THREE TAPE DUBS HELD AT MADAM OF 16 DEC
INTERCEPT FROM MISSION 7305 IS AS FOLLOWS:
1 COPY TO MADAM - MAINTAIN FOR FUTURE REFERENCE
1 COPY TO STL
1 COPY TO ESL

SECRET
CFN: 6875 EARPOP MADAM FOR DR HARRIS WHIG 2300 MADAM 16 DEC 7305
1 MADAM 1 STL 1 ESL
BT

NNNN

17918

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491 of 3



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17804



KAJ542
PP 202146Z
FM DIRNSA
TO SAFSS

7305

TOP SECRET /
PRIORITY WORTH/INFO MADAM WHIG Wahoo [] CITE MARGO 1004-5
REF: A. 7305 TECH REPORT AW00852
B. ADDENDUM AW00926
1. REF A ATTACHMENT 2 IDENTIFIES POINTS 4, 5 AND 6 AS FREQ STEP COUNTERS. REF B FIGURES 9 AND 10 PROVIDE DATA AS TO FREQ MONITOR POINTS.
2. PARA ONE ABOVE PERMITS RECOVERY FREQ STEPS FIRST 48 STEPS WHICH OCCUR DURING INITIAL 24 SECONDS RECEIVER SCAN. DURING 168 THRU 230 MC RECEIVER SCAN THESE POINTS APPEAR TO PROVIDE POSSIBLE FOUR LEVEL CODE WHICH IS NOT IDENTIFIED.
3. ADVISE BOTH READOUT CODE AND ASSOCIATED FREQ STEP TABLE.
TOP SECRET /
BT

FREQ STEP TABLE		
STEP	1	2
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SS-5		
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SS-12		
RF-1		3
RF-2		3
FILE		3

50X1

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17804

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6902

TSCON 08
P 211500Z
FM SAFSS
TO DIRNSA

SECRET 211500Z
PRIORITY WORTH INFO PRIORITY Wahoo MADAM MARGO ADIC
CITE WHIG 2316
REF WHIG 2300
CORRECT MISSION NUMBER 7305.
SECRET
CFN: 2316 REF WHIG 2300 CORRECT MISSION NUMBER 7305.
BT

7305

6902
NNNN

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6552

24. SS

7305

BT

SEVEN ZERO THREE WORTH ZERO ONE THREE MADAM ZERO EIGHT NINE OPEN

EARPOP

IN ORDER TO PRECLUDE POSSIBLE DISCREPANCY IN ANALYSIS, REQUEST MADAM MAKE 3 DUBS OF THEIR COPY 16 DEC MISSION ~~32B~~ INTERCEPT OF BUEB AND FORWARD TO MARGO AND STL, ESL CADIC CONTRACTORS.) MARGO STATES DUBS OF MASTER FORWARDED TO LATTER WERE CAREFULLY CONTROLLED AND CAUTIONS AGAINST CONCLUSIONS BASED ON DUBS. OFFER STANDS TO INSPECT MASTER AT MARGO.

MARGO DUBS LATTER DUBS MARGO

PI

6852

22

M

M

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1965 FEB 5 20 50

SAFSS

TSCC470
R 050040Z FEB
FM SAFSS
TO DIRNSA

TOP SECRET 052000Z
PRIORITY WHIG INFO WAHOO WORTH MARGO ☐ CITE ☐ 3882
RE INDEER-70/WEDGE
A. 7305/06
B. REV 1649/4 FEB.
C. ORBIT DECAY PREDICTS END OF MSN BETWEEN 1-14 MARCH
D. INDEF
E. 7306 NOMINAL

7305 TR NUMBER 2 READOUT NINE TIMES IN LAST SEVENTEEN
READOUT PASSES.
TOP SECRET
CFN: 3882 -70/WEDGE 7305/06 REV 1649/4 FEB MSN 1-14 MARCH
INDEF 7306 7305 TR 2
BT

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IN 132

1965 FEB 7 04 10

SAFSS

DID661/070350Z ZEA ZPO WORTH
BT
XXXXX ZEA
SIX SEVEN THREE GUARD THREE ZERO FOUR WORTH

TOP SECRET 070340Z
PRIORITY WAHOO INFO WHIG WORTH CITE 3886
REINDEER-X
REF A. 7305/06
REF B. TELECON WILLIS TO ROSENBERG
REF C. WAHOO 7134

50X1

1. PER INSTRUCTIONS RCVD IN REF B., FOLLOWING CHANGES
TO WAHOO 7134 HAVE BEEN MADE TO TASKING OF 7305/06:

- A. PASSES ADDED:
OK CMD 1683 22D
1690 BOSS CMD 4 AT 40A
1716 COOK CMD 6 AT 22D
1732 COOK CMD 6 AT 22D
B. PASSES CANCELLED:
1689 BOSS (USE FOR DUMP ONLY)

7305

2. REQUEST ADDITIONAL TASKING DESOND 9 FEB BE PROVIDED
NLT 09/0100Z.

TOP SECRET
CFN: 3886 -X REF A 7305/06 REF B WILLIS ROSENBERG REF C WAHOO
7134 RCVD REF B WAHOO 7134 7305/06 1683 COOK CMD 6 22D
1690 BOSS CMD 4 40A 1716 COOK CMD 6 -2D 1732 COOK CMD 6 22D
1689 BOSS 9 FEB NLT 09/0100Z
BT

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1965 FEB 8 21 00

6145

SAFSS

F-229

0 00 666/082050Z ZEA ZPO WORTH

BT

XXXXX ZEA

S E R V I C E

S E C R E T 082055Z

PRIORITY WAHOO WHIG WORTH SVC

REF 3889 X THE TEXT SHOULD READ.

REINDEER-X

REF. 7305/06

LATEST ESTIMATE OF ORBIT DECAY FOR REF. IS 26 TO 28 FEB 65
CHANGE SHOULD READ DECAY RPT DECAY X NOT DELAY

S E C R E T

CFN CHANGE SHOULD READ DECAY RPT DECAY X NOT DELAY

BT

50X1

7305

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0144

SAFSS

B

XXXXXX ZEA

SIX SEVEN SIX GUARD THREE ZERO SIX WORTH

SECRET 081925Z

PRIORITY WAHOO INFO WHIG WORTH CITE 3889

RE INDEX-X

REF. 7305/06

LATEST ESTIMATE OF ORBIT DELAY FOR REF. IS 26 TO 28 FEB 65

~~SECRET~~

CFN 3889 REF. 7305/06

LATEST ESTIMATE OF ORBIT DELAY FOR REF. IS 26 TO 28 FEB 65

BT

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[illegible]

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1965 FEB 13 06 10

SAFSS

250

DID 695/130355Z ZEA ZPO [] WORTH

BT

XXXXX ZEA

SIX NINE FOUR GUARD THREE NINE FIVE []

THREE ONE FIVE WORTH

GUARD PASS MARGO

TOP SECRET 130320Z

PRIORITY WHIG INFO WAHOO [] MARGO WORTH CITE [] 3907

RE INDEER-70/ WEDGE

- A. 7305/06
- B. 1778/ 12 FEB
- C. N/A
- D. INDEF
- E. (1) P/L 7306 NOMINAL.

(2) 7305 TAPE RECORDER READOUT FOR 12 OUT OF 18 READINS FROM REVS 1565 TO 1673, WHILE TASKING LEVEL WAS 3 PER DAY (FROM 1565 - 1601) AND THEN 2 PER DAY FROM 1611 - 1673). ON 6 FEB (REV 1681) TASKING WAS INCREASED TO 3 PER DAY AND ON 11 FEB TO 4 PER DAY, AND T/R HAS NOT READ OUT SINCE. IT APPEARS THAT A LOW LEVEL (2 PER DAY) TASKING MAY INDUCE T/R TO OPERATE BETTER, ALTHOUGH TLM DATA SHOWED NO SIGNIFICANT TEMPERATURE OR OTHER CHANGE. RECOMMEND TASKING BE REDUCED TO 2 PER DAY ON A TRIAL BASIS. 7305 P/L WAS NORMAL ON ALL READOUTS EXAMINED WHERE TAPE RECORDER WAS WORKING. INTERESTING SIGNALS WERE NOTED ON A FEW REVS. TAPES HAVE BEEN EXPEDITED TO USERS.

F. (1) LATEST ESTIMATE OF ORBIT DECAY IS 23 FEB 65.

(2) ON REVS 1770 AND 1772, VEHICLE BATTERY VOLTAGE WAS SO LOW THAT READIN COMMANDS WERE NOT SENT. SUSPECT TIME DELAY OF NOT TURNING OFF PAYLOAD POWER AT COMPLETION OF READIN. A SPECIAL COMMAND SEQUENCE HAS BEEN DEVELOPED TO MINIMIZE THE EFFECTS OF THIS PROBLEM. ON REV 1778 BATTERY VOLTAGE WAS UP TO NORMAL, VEHICLE HEALTH WAS NORMAL, AND NORMAL COMMANDING WAS RESUMED.

(3) SPURIOUS COMMANDING CAUSED UNEXPECTED READOUTS ON REVS 1772 AND 1738 (NOT SCHEDULED AS DUMP REVS)

TOP SECRET

CFN 3907 WILL REPIN UPON REQ

BT

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OUT

251

1965 FEB 13 06 25

SAFSS

DID696/130355Z ZEA
 BT
 XXXXX ZEA
 SIX NINE FIVE GUARD

TOP SECRET 130330Z
 PRIORITY WAHOO INFO WHIG CITE [] 3908
 REINDEER-X
 REF A. 7305/06

B. [] 3907 PARA E (2)
 C. TELCON SPERBERG/ KOHLHAAS 13 FEB
 D. WAHOO 7217

1. TO REDUCE TASKING TO TWO READINS PER DAY THE FOLG REVS
 WERE DELETED FROM REF D.:

1744	1812	1828	1844
1796	1822	1838	
1810	1826	1842	

TOP SECRET
 CFN 3908 WILL RERUN UPON REQ
 BT

7305

50X1

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1965 FEB 14 23 10

SAFSS 0258

DID670/142247Z ZEA ZPO []
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XXXXX ZEA
SIX NINE NINE GUARD [] LE NINE SEVEN []
GUARD PASS TO MARGO

TOP SECRET 142240Z
PRIORITY WAHOO INFO WHIG MARGO [] CITE [] 3912
REINDEER-X/WEDGE

50X1

REF. A. MSN 7305/06
B. [] 3909 KREINDEER-71)
CORRECT PARA C. OF REF B TO READ:
"ONLY THOSE REVS MARKED # HAVE 7305 RPT 7305 READINS."
TOP SECRET
CFN: REF A. MSN 7305/06 B. [] 3909 (REINDEER-71)
CORRECT PARA C. OF REF B TO READ: "ONLY THOSE REVS MARKED # HAVE 7305
RPT 7305 READINS."
BT

7305

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PRIORITY

1965 FEB 20 04 46

SAFSS

380

D10745/200300Z ZEA ZPO [] WORTH
BT
XXXXX ZEA
SEVEN THREE ONE GUARD THREE THREE TWO WORTH
THREE NINE NINE []
GUARD PASS WHIG MARGO

TOP SECRET 200215Z
PRIORITY WHIG INFO WAHOO MARGO [] WORTH CITE [] 3947
REINDEER-70/WEDGE

50X1

- A. 7305/06
- B. 1891/ 19 FEB
- C. N/A
- D. INDEF
- E. 7306 NOMINAL. 7305 NOMINAL ON ALL OCCASSIONS WHERE TAPE RECORDER HAS READOUT. T/R HAS WORKED ON ONLY TWO READINS SINCE LAST REPORT, SO POSSIBLY REDUCED TASKING HAS HELPED SOMEWHAT. LOW BATTERY CONDITION CAUSED BY TIME DELAY HANG-OP OCCURED AGAIN ON REV 1780, BUT NOT AT ALL SINCE THEN

7305

F. ORBIT DECAY ESTIMATED 22 FEB 65
TOP SECRET
CFN: 3947 -70 7305/06 1891/19 FEB N/A INDEF
7306 7305 T/R TWO READINS LOW BATTERY REV 1780 22 FEB 65
BT

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PRIORITY

1965 FEB 24 23 40

SAFSS 446

DID775/242312Z ZEA ZPO WORTH

BT

XXXXX ZEA

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

50X1

7305

~~TOP SECRET~~ 242300Z

PRIORITY WHIG INFO PRIORITY WAHOO MARGO WORTH CITE

3973

REINDEER 70/WETGE

A. 7305/06

B. REV 1962/23 FEB

C. ORBIT DECAY CAUSED TERMINATION OF MSN ON REV 1932 AT

2345Z, 23 FEB

~~TOP SECRET~~

CFW: 3973 7U 7305/06 REV 1962/23 FEB MSN REV 1962 2345Z 23 FEB

BT

DISPOSITION	
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~~TOP SECRET~~

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HANDLE VIA TALENT-
KEYHOLE CHANNELS
ONLY

1965 JUL 13 08

SAFSS

FTA1990LA62000A267

PP YOKALAB
DE THULAZ 37J 12/1992 JUL
P 121930Z
FM AFSSO SAC
TO YOKALAB/SAFSS
DIRNSA
SSO DIA
ZEN

3527

~~TOP SECRET~~ BYEMAN TALENT KEYHOLE EARPOF CHANNELS
540ACP-DYE-1950V/65 JUL 65, SAFSS FOR [] DIA

50X1

PASS AS APPROPRIATE TO SAFSS.
1. THE BRIEF DESCRIPTION OF THE PROPOSED 13L PACKAGE INDICATES THAT IT MAY BE SIMILAR TO THE STEP 13/PLYMOUTH ROCK PACKAGE. BASED ON SAC'S EXPERIENCE WITH STEP 13, FLYING ANOTHER PACKAGE OF THIS TYPE WOULD BE ILL-ADVISED. TO DATE, THERE HAS BEEN NO INDICATION OF ANY RECOVERED INFORMATION WHICH HAS ADDED TO PREVIOUS ANALYSIS OF BV-01. OUTSIDE OF THE FEW INTERCEPTS OF BV-01 AND THE TONE-MODULATED SIGNALS (WHICH WERE PROBABLY ANOMALOUS), ONLY NORMAL [] ACTIVITY WAS

1000 TH report shows new signal

50X1

NOTED. THE QUALITY AND NATURE (FORMAT) OF DATA PRECLUDED ANY APPLICATION OF SAC'S LOCATION TECHNIQUES SO THAT NO ROB INFORMATION COULD BE DETERMINED.

2. THE EXTREMELY SMALL AMOUNT (IF ANY) OF ADDITIONAL KNOWLEDGE GAINED FROM THIS PACKAGE WAS OBTAINED AT THE EXPENSE OF COUNTLESS HOURS OF MANUAL PROCESSING. THE DESIGN OF THIS SYSTEM WAS APPARENTLY CONCEIVED WITH LITTLE OR NO CONSIDERATION BEING GIVEN TO PROCESSABILITY OR TO WEIGHING ANY POSSIBLE BENEFITS AGAINST THE EXPENDITURE OF MANPOWER. IN ADDITION TO INHERENT DESIGN DEFICIENCIES (FROM A PROCESSOR'S VIEWPOINT), THERE WERE SEVERAL INDICATIONS THAT THE SYSTEM PERFORMANCE WAS SOMEWHAT BELOW EXPECTED STANDARDS. FOR INSTANCE, BOTH DATA CHANNELS WERE NOISY AND THE WIDE OPEN CHANNEL WAS VERY WEAK MAKING CORRELATION VIRTUALLY IMPOSSIBLE. UNLESS THE 13L PACKAGE CAN OFFER SUBSTANTIAL IMPROVEMENTS OVER STEP 13, RECOMMEND THAT IT NOT BE FLOWN

7305

320

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~~TOP SECRET~~

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KEYHOLE CHANNELS
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