

MIT/IL SOFTWARE ANOMALY REPORT

NA

1.1 ORIGINATOR: F. MARTIN	1.2 ORGANIZATION: MIT	1.3 DATE: 3/4/69	1.4 ORIGINATOR CONTROL NO.	MIT REPORT NO. COM 4 PROGRAM COLOSSUS 2 PROGRAM REVISION COMANCHE 44
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1.5 DESCRIPTION OF ANOMALY:

 VG magnitude is not transferred from P30 to P40, P41.

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1.6 DESCRIPTION OF RUN:
 P40 run with P30 targetting. Difference between AGC and ENV central angle = -86.14° . Angle between AGC and ENV Thrust vectors = 43.07° .

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- MIT ANALYSIS -

2.1 CAUSE: VG magnitude (P30) assigned to an erasable cell that is not referenced in P40, P41.

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2.2 RECOGNITION: Possibly large differences between ground and CMC computed gimbal angles at time-of-ignition.

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2.3 MISSION EFFECT: P30 targetted burn will not be in correct direction. An additional corrective burn might be required.

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2.4 AVOIDANCE PROCEDURE:
 See attached page

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2.5 RECOVERY PROCEDURE:
 Additional burn might be required.

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2.6 PROGRAM CORRECTION: Compute VG magnitude in P40, P41 thereby eliminating need for transfer of this quantity from P30.

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2.7 RECOMMENDED DISPOSITION (Fix, Work-around, etc):
 Fix for Colossus 2; i. e. remanufacture Module 3 of Comanche 44. New Colossus 2 will be Comanche 45. Also fix for Colossus 2A.

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2.8 RECOMMENDED RE-TESTING:

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2.9 MIT/IL SIGNATURE: <i>F. Martin</i>	2.10 DATE: 2/4/69
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3.1 NASA DIRECTION:

FIX FOR COLOSSUS 2 AND COLOSSUS 2A
(RE MANUFACTURED MODULE 3 FOR COLOSSUS 2)

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4.1 CLOSING ACTION TAKEN:

 MIT will fix for Colossus 2 and 2A.
CLOSED
NO ACTION NECESSARY

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3.2 NASA/NSC SIGNATURE: <i>Richard Johnson</i>	3.3 ORGANIZATION: NASA/NIC/FST	3.4 DATE: 3/17/69	4.2 SIGNATURE: <i>Richard Johnson</i>	4.3 ORGANIZATION: NASA/NIC/FST	4.4 DATE: 3/17/69
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1.1 ORIGINATOR:

F. Martin

1.2 ORGANIZATION:

MIT

1.3 DATE:

3/4/69

1.4 ORIGINATOR
CONTROL NO.

1.7 REPORT NO.

COM 4

PROGRAM

COLOSSUS 2

PROGRAM REVISION

COMANCHE 44

2.4 Avoidance Procedure:

Work around procedure for COMANCHE 44 at FL V37 in P30:

V4N1E

3771E

V21E

3653E

then enter quantity display in R_2 into R_1 ; i. e.

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