

MIT/IL PROGRAM CHANGE ROUTING SLIP

P. RYE

~~PCR/PCN #~~

ANOMALY # L-18-02

REISSUE 10/24/69

- COLOSSUS 2C
- COLOSSUS 2D
- COLOSSUS 2E
- COLOSSUS 2F

- LUMINARY 1B
- LUMINARY 1C
- LUMINARY 1D
- LUMINARY 1E

MIT Approved PCN

NASA Approved PCR  
 NASA Approved PCN

DISAPPROVE

NASA Approved Software Anomaly

MIT Approved Software Anomaly

A. Coding

Begin coding immediately

(SEE NOTE BELOW)

ACTION: P. VOLANTE / B. MCCOY

Program Supervisor's Approval: \_\_\_\_\_

Do not code until new GSOP material has been approved by the MIT Mission Design Review Board (MDRB) and distributed.

B. GSOP Preparation

Prepare GSOP revisions for MDRB consideration

ACTION: \_\_\_\_\_

Technical Committee Meeting not required.

Technical Committee Meeting(s) held on \_\_\_\_\_  
Attendees: \_\_\_\_\_

C. KSC Testing and Checkout

Review for possible impact on KSC testing and checkout

ACTION: \_\_\_\_\_

D. Other Programs Affected

Review for corresponding changes in \_\_\_\_\_

ACTION: \_\_\_\_\_

Special Instructions

MIT was directed at the SCB held on 10/9/69 not to fix this anomaly in Luminary 1C.

Project Manager [Signature]

Date 10-24-69

# MIT/IL SOFTWARE ANOMALY REPORT

MIT REPORT NO. <b>I-1B-02</b>
PROGRAM <b>LUMINARY</b>
PROGRAM REVISION <b>116</b>

1.1 ORIGINATOR: <b>P. VOLANTE</b>	1.2 ORGANIZATION: <b>MIT/IL</b>	1.3 DATE: <b>8/20/69</b>	1.4 ORIGINATOR CONTROL NO.
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DESCRIPTION OF ANOMALY:

R29 will not achieve RR lockon.

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1.6 DESCRIPTION OF RUN:

Nominal ascent.

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- MIT ANALYSIS -

CAUSE:

Incorrect computation of shaft commands by R29.

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RECOGNITION:

None.

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MISSION EFFECT:

R29 cannot be used.

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4 AVOIDANCE PROCEDURE:

Bypass R29 by having the RR mode switch not in the LGC position during ascent.

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2.5 RECOVERY PROCEDURE:

None.

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2.6 PROGRAM CORRECTION:

Fix coding.

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2.7 RECOMMENDED DISPOSITION (Fix, Work-around, etc):

Work-around for LUMINARY 1B; fix in LUMINARY 1C.

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2.8 RECOMMENDED RE-TESTING:

Ascent with R29.

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2.9 MIT/IL SIGNATURE:

*Walter Meloy*

2.10 DATE:

*22 Aug 69*

3.1 NASA DIRECTION:

*MIT was directed not to fix this anomaly.*

*SCB 10/9/69.*

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4.1 CLOSING ACTION TAKEN:

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3.2 NASA/MSFC SIGNATURE:

3.3 ORGANIZATION:

3.4 DATE:

4.2 SIGNATURE:

4.3 ORGANIZATION:

4.4 DATE: