

MIT/IL PROGRAM CHANGE ROUTING SLIP

P. RYE

PCR/PCN #

ANOMALY # L-13-11

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

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

MIT Approved PCN

NASA Approved PCR

NASA Approved Software Anomaly

NASA Approved PCN

MIT Approved Software Anomaly

A. Coding

Begin coding immediately

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

Bruce Mc Coy

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

Margaret Hamelton

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

Project Manager Russell H. Larson

Date 10-31-69

# MIT/IL SOFTWARE ANOMALY REPORT

MSC REPORT NO. <b>L-1B-11</b>
PROGRAM <b>LUMINARY1B</b>
PROGRAM REVISION <b>116</b>

1.1 ORIGINATOR: <b>B. McCOY</b>	1.2 ORGANIZATION: <b>MIT/IL</b>	1.3 DATE: <b>10/31/69</b>	1.4 ORIGINATOR CONTROL NO.
------------------------------------	------------------------------------	------------------------------	----------------------------

1.5 DESCRIPTION OF ANOMALY:

Terminal mass error of ~ 250 lbs. in descent and 50 lbs. in ascent exist due to inaccurate mass computation in SERIVER.

CONTINUED ON PAGE

1.6 DESCRIPTION OF RUN:

TRW software verification anomaly report #A-200-II-01.

CONTINUED ON PAGE

- MIT ANALYSIS -

2.1 CAUSE:

See 1.6.

CONTINUED ON PAGE

2.2 RECOGNITION:

See 1.6.

CONTINUED ON PAGE

2.3 MISSION EFFECT:

None

CONTINUED ON PAGE

2.4 AVOIDANCE PROCEDURE:

None

CONTINUED ON PAGE

2.5 RECOVERY PROCEDURE:

None

CONTINUED ON PAGE

2.6 PROGRAM CORRECTION:

Four instructions: EXTEND, MP, EXTEND, DV.

CONTINUED ON PAGE

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

Due to time constraint do not fix for 1B or 1C. Fix for LUMINARY 1D.

CONTINUED ON PAGE

2.8 RECOMMENDED RE-TESTING:

Ascent and landing on digital simulator.

CONTINUED ON PAGE

2.9 MIT/IL SIGNATURE: <i>[Signature]</i>	2.10 DATE: <b>10-31</b>
---	----------------------------

3.1 NASA DIRECTION:

CONTINUED ON PAGE

4.1 CLOSING ACTION TAKEN:

CONTINUED ON PAGE

3.2 NASA/MSR SIGNATURE:	3.3 ORGANIZATION:	3.4 DATE:	4.2 SIGNATURE:	4.3 ORGANIZATION:	4.4 DATE:
-------------------------	-------------------	-----------	----------------	-------------------	-----------