

MIT/IL SOFTWARE ANOMALY REPORT

FILE NO. Lny58
PROGRAM LUMINARY
PROGRAM REVISION 69 and 96

1.1 ORIGINATOR: J. KERNAN	1.2 ORGANIZATION: MIT/IL	1.3 DATE: 3/11/69	1.4 ORIGINATOR CONTROL NO.
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1.5 DESCRIPTION OF ANOMALY:

It is possible to enter a program (V40N72, V41N72, V60, V63, V78) which uses the RR or LR while R12 is reading the LR.

The result is a 1210 program alarm and the verb is lost.

D probability

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1.6 DESCRIPTION OF RUN:

Eyeball.

ZG

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- MIT ANALYSIS -

2.1 CAUSE:

Coding error.

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2.2 RECOGNITION:

Program alarm 1210 and loss of extended verb.

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2.3 MISSION EFFECT:

None

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2.4 AVOIDANCE PROCEDURE: **Do not enter one of the verbs listed in 1.5 while AVERAGE G is on during the landing. If one of the verbs is entered before TIG-30 in P63, make sure it is completed or terminated before TIG-30.**

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2.5 RECOVERY PROCEDURE:

Self recovery.

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2.6 PROGRAM CORRECTION:

Change 3 lines in R76.

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

(1) N/A to Mission F. (2) Program note for Mission G.

(3) Fix in next major release (1B).

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2.8 RECOMMENDED RE-TESTING: **Insure OPERROR results when one of the above verbs is requested during R12.**

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2.9 MIT/IL SIGNATURE: <i>Henry W. Cherry</i>	2.10 DATE: 4/15/69
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3.1 NASA DIRECTION:

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4.1 CLOSING ACTION TAKEN:

Fix in LUMINARY 1B

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3.2 NASA/MSC SIGNATURE:	3.3 ORGANIZATION	3.4 DATE:	4.2 SIGNATURE:	4.3 ORGANIZATION	4.4 DATE:
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MIT/IL SOFTWARE ANOMALY REPORT

ORIGINATOR: P. VOLANTE	I.2 ORGANIZATION: MIT/IL	I.3 DATE: 4/24/69	I.4 ORIGINATOR CONTROL NO.
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MSC REPORT NO. LNY 61
PROGRAM LUMINARY
PROGRAM REVISION 69-97

2.4 Avoidance Procedure, cont'd.

or comp act lite is off
... Display before executing a V37 request for another program); or use V95 to stop updating then wait at least 15 seconds before requesting a new program (a V80 or V81 must be done to start state vector updating again).

or wait until comp act lite is off