

# MIT/IL SOFTWARE ANOMALY REPORT

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| MIT REPORT NO.<br><b>LNY50</b> |
| PROGRAM<br><b>LUMINARY</b>     |
| PROGRAM REVISION<br><b>69</b>  |

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|-------------------------------------|------------------------------------|-----------------------------|----------------------------|
| 1.1 ORIGINATOR:<br><b>A. KLUMPP</b> | 1.2 ORGANIZATION:<br><b>MIT/IL</b> | 1.3 DATE:<br><b>3/21/69</b> | 1.4 ORIGINATOR CONTROL NO. |
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1.5 DESCRIPTION OF ANOMALY:

During the lunar landing, the RANGE is computed before site redesignation equations. Therefore corrected range could be displayed as late as 4 secs. after site redesignation.

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1.6 DESCRIPTION OF RUN:

Nominal landing with redesignation.

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- MIT ANALYSIS -

2.1 CAUSE:

Coding error.

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2.2 RECOGNITION:

Pointed out by Kurth Krause, TRW.

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2.3 MISSION EFFECT:

N/A

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2.4 AVOIDANCE PROCEDURE:

N/A

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2.5 RECOVERY PROCEDURE:

N/A

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2.6 PROGRAM CORRECTION:

Change location of range computation.

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

Fix in LUMINARY 1A.

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2.8 RECOMMENDED RE-TESTING:

Hybrid observation.

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| 2.9 MIT/IL SIGNATURE: <i>A. Klumpp</i> | 2.10 DATE: |
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3.1 NASA DIRECTION:

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4.1 CLOSING ACTION TAKEN:

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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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