

MIT/IL SOFTWARE ANOMALY REPORT

MIT REPORT NO. LN Y 71
PROGRAM LUMINARY
PROGRAM REVISION 99

1.1 ORIGINATOR: P. VOLANTE	1.2 ORGANIZATION: MIT/IL	1.3 DATE: 5/20/69	1.4 ORIGINATOR CONTROL NO.
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1.5 DESCRIPTION OF ANOMALY:

In P22 Lunar Surface Navigation, the RR pre-designate routine stores into an erasable used by orbital integration (precision integration only).

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1.6 DESCRIPTION OF RUN:

N/A

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- MIT ANALYSIS -

2.1 CAUSE:
Interpretive coding branches to basic.

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2.2 RECOGNITION:
Possible bad results from extended verb routines such as R31. P22 results not affected.

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2.3 MISSION EFFECT:
Any extended verb which uses precision integration (e. g. R31) could give wrong answers.

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2.4 AVOIDANCE PROCEDURE:
Do not select such extended verbs while the pre-designate in P22 is running.

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2.5 RECOVERY PROCEDURE:
Re-select extended verb.

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2.6 PROGRAM CORRECTION:
Fix coding to branch properly. *recall extended if it happens*

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2.7 RECOMMENDED DISPOSITION (Fix, Work-around, etc):
Work-around in LUM 1A. Fix in LUM 1B.

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2.8 RECOMMENDED RE-TESTING:
P22 - Level 3 with pre-designate.

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2.9 MIT/IL SIGNATURE: <i>George W. Cherry</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/MSD SIGNATURE:	3.3 ORGANIZATION:	3.4 DATE:	4.2 SIGNATURE:	4.3 ORGANIZATION:	4.4 DATE:
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