

# MIT/IL SOFTWARE ANOMALY REPORT

MSC REPORT NO.	LNY 53
PROGRAM	Luminary
PROGRAM REVISION	69

1.1 ORIGINATOR: P. Volante	1.2 ORGANIZATION: MIT/IL	1.3 DATE: 3/26/69	1.4 ORIGINATOR CONTROL NO.
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1.5 DESCRIPTION OF ANOMALY:  
 In R22 the call to R65 from the Navigation subroutine (LSR22.3) is made only when the W-Matrix is initialized.

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1.6 DESCRIPTION OF RUN:  
 N/A

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-MIT ANALYSIS-

2.1 CAUSE: Coding Bug

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2.2 RECOGNITION: Examination of coding

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2.3 MISSION EFFECT: Possible calls to R60 during P20 since one cycle of R65 is missed.

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2.4 AVOIDANCE PROCEDURE: Monitor angle between Z-axis and LOS by observing RR angles, and adjust S/C attitude if necessary.

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2.5 RECOVERY PROCEDURE: N/A

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2.6 PROGRAM CORRECTION: Fix code

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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: Luminary 1A Level 4's with P20

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2.9 MIT/IL SIGNATURE: <i>J. Cherry</i>	2.10 DATE: 3/26/69
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3.1 NASA DIRECTION:	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: