

MIT/IL SOFTWARE ANOMALY REPORT

MIT REPORT NO. LN Y 28
PROGRAM LUMINARY
PROGRAM REVISION 69

1.1 ORIGINATOR: D. MILLARD	1.2 ORGANIZATION: MIT/IL	1.3 DATE: 1/9/69	1.4 ORIGINATOR CONTROL NO.
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1.5 DESCRIPTION OF ANOMALY:

A restart during R50 (coarse align) will result in a REFSMMAT that does not reflect IMU orientation within coarse alignment accuracy.

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1.6 DESCRIPTION OF RUN:

Eyeball and LUMINARY hybrid testing.

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- MIT ANALYSIS -

2.1 CAUSE:

No restart protection around the coarse align routine IMUCOARS.

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2.2 RECOGNITION:

Restart with NO ATT light during P52 and V50N25 flashing, R1 = 00013.

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2.3 MISSION EFFECT:

AUTO OTICS positioning during fine alignment will be incorrect.

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2.4 AVOIDANCE PROCEDURE:

None

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2.5 RECOVERY PROCEDURE:

1. Finish P52 manually (Bypass AUTO OTICS Positioning), or
2. Terminate P52 and do P51, then the P52.

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2.6 PROGRAM CORRECTION:

Restart protect.

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

Fix for next LUMINARY release.

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2.8 RECOMMENDED RE-TESTING:

Hybrid.

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2.9 MIT/IL SIGNATURE: <i>James S. Korman</i>	2.10 DATE: 1-21-69
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3.1 NASA DIRECTION:

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CLOSING ACTION TAKEN:

Program Note for LUMINARY
Fix in next LUMINARY IA
George W. Cherry

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3.2 NASAMSC SIGNATURE:	3.3 ORGANIZATION:	3.4 DATE:	4.2 SIGNATURE:	4.3 ORGANIZATION:	4.4 DATE:
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