

MIT/IL SOFTWARE ANOMALY REPORT

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| MIT REPORT NO. | LNY 84 |
| PROGRAM | LUMINARY |
| PROGRAM REVISION | 97 |

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| 1.1 ORIGINATOR: R. SIMPSON | 1.2 ORGANIZATION: FMES/FCI | 1.3 DATE: 4/21/69 | 1.4 ORIGINATOR CONTROL NO. LM-LUM-35 |
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1.5 DESCRIPTION OF ANOMALY:

While performing the G-Mission DOI, a check of the predicted h_a and h_p in P30 versus the h_a and h_p at DOI burnout showed wide variance (59×8 nm vs. 151×-785 nm). This event happened while using S/N RAY No. 1 LGC.

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1.6 DESCRIPTION OF RUN:

Investigation of downlink data indicated a jump in LM SV after DOI burnout; caused by a failed-on bit (BIT 11 = 2600 FPS) in LM velocity component, V_x .

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- MIT ANALYSIS -

2.1 CAUSE:

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2.2 RECOGNITION:

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2.3 MISSION EFFECT:

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2.4 AVOIDANCE PROCEDURE:

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2.5 RECOVERY PROCEDURE:

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2.6 PROGRAM CORRECTION:

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

Insufficient information to evaluate - need more complete description and data;

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2.8 RECOMMENDED RE-TESTING:

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| 2.9 MIT/IL SIGNATURE: <i>George W. Cherr</i> | 2.10 DATE: 7-15-69 |
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3.1 NASA DIRECTION:

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4.1 CLOSING ACTION TAKEN: **1**

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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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