

NA

MIT/IL SOFTWARE ANOMALY REPORT

MTC REPORT NO. LNY-14
PROGRAM LUMINARY
PROGRAM REVISION 40

1.1 ORIGINATOR: J. B. Hill	1.2 ORGANIZATION: TRW	1.3 DATE: 8/22/68	1.4 ORIGINATOR CONTROL NO. A-174-G-01
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1.5 DESCRIPTION OF ANOMALY: RTCC uplink load for P31 (Lambert aimpoint guidance) consists of three variables - TIG, RTARG, DELLT⁴ - according to the LUMINARY GSOP and LUMINARY rev. 36. LUMINARY rev. 36 computes DELLT⁴ from TIG and TPASS⁴, which is not defined in LUMINARY rev. 36. Therefore, TPASS⁴ should replace DELLT⁴ as part of the uplink load or P31 logic should be modified.

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1.6 DESCRIPTION OF RUN:
Visual inspection.

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- MIT ANALYSIS -

2.1 CAUSE:
Coding error in Revision 40. Fixed in Revision 41.

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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):

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2.8 RECOMMENDED RE-TESTING:

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2.9 MIT/IL SIGNATURE:	2.10 DATE:
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3.1 NASA DIRECTION:

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4.1 CLOSING ACTION TAKEN:

Fixed in Rev. 41.

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3.2 NASA/MSFC SIGNATURE:	3.3 ORGANIZATION:	3.4 DATE:	4.2 SIGNATURE: <i>J. B. Hill</i>	4.3 ORGANIZATION: MIT	4.4 DATE: 12-3-68
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