take your chances!

MIT/IL SOFTWARE ANOMALY REPORT

MIT REPORT NO. LNY 68
PROGRAM LUMINARY
PROGRAM REVISION 69 and 98

1.1 ORIGINATOR:	1.2 ORGANIZATION:	1.3 DATE:	1.4 ORIGINATOR CONTROL NO.
D. MILLARD	MIT/IL	5/13/69	

1.5 DESCRIPTION OF ANOMALY:

In P57, if gyro torquing is attempted (a Proceed on V06N93) while the IMU compensation routines are torquing gyros, a 1210 program alarm will occur.

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1.6 DESCRIPTION OF RUN:

Digital simulation of P57. A software restart occurred after PROCEED on V06N93.

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- MIT ANALYSIS -

2.1 CAUSE:

IMUFINE routine does not check to see if gyro torquing is in process and IMUSTALL make only one attempt at using IMU, then aborts.

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2.2 RECOGNITION:

1210 Alarm and restart after PROCEED on V06N93 in P57.

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2.3 MISSION EFFECT:

Unknown.

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2.4 AVOIDANCE PROCEDURE:

Clear DRIFTFLG with N07 before PRO to N93, then set it.

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2.5 RECOVERY PROCEDURE:

Redo P57.

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2.6 PROGRAM CORRECTION:

Recode to insure the 1210 cannot occur.

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

Fix for next LUMINARY Release (1B).

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2.8 RECOMMENDED RE-TESTING:

Retest P57 to demonstrate fix.

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2.9 MIT/IL SIGNATURE:	2.10 DATE:
[illegible]	5/14/69

3.1 NASA DIRECTION:

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4.1 CLOSING ACTION TAKEN:

Fix in LUMINARY 1B
Gerry W. Cherry

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3.2 NASA/MSC SIGNATURE:	3.3 ORGANIZATION	3.4 DATE:	4.2 SIGNATURE:	4.3 ORGANIZATION:	4.4 DATE:

MSC Form 1409 (Rev May 68)