MIT/IL SOFTWARE ANOMALY REPORT

MIT REPORT NO. LNY 88
PROGRAM LUMINARY
PROGRAM REVISION 99

1.1 ORIGINATOR:	1.2 ORGANIZATION:	1.3 DATE:	1.4 ORIGINATOR CONTROL NO.
R. COVELLI	MIT/IL	7/10/69	

1.5 DESCRIPTION OF ANOMALY:

A hardware restart while R12 is repositioning the landing radar antenna will prevent the antenna from achieving position 2, and will cause 511 alarms every 2 seconds in P64. A software restart in the same inteval will not prevent the antenna from achieving position 2, but use of the radar will be inhibited.

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1.6 DESCRIPTION OF RUN:

Restart testing at Grumman.

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- MIT ANALYSIS -

2.1 CAUSE:

Landing radar repositioning routine is not restart protected.

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2.2 RECOGNITION: If hardware restart shortly after P64, 511 alarms will appear. If caused by software restart, the only recognition is that NOLRREAD flag is set, even though antenna is in position 2.

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2.3 MISSION EFFECT:

Landing radar data will not be used from P64 on.

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2.4 AVOIDANCE PROCEDURE:

None.

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2.5 RECOVERY PROCEDURE:

Move LR position switch to hover, then set RPCRTIME to POSMAX and reset NOLRREAD flag and PSTHIGAT flag!...

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2.6 PROGRAM CORRECTION:

Set up restart group for HIGATJOB.

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

Fix in LUMINARY 1B.

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2.8 RECOMMENDED RE-TESTING:

Restart run.

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2.9 MIT/IL SIGNATURE:	2.10 DATE:
George W Cherry	7-15-69

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:

MSC Form 1409 (Rev May 68)

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2.5 Recovery Procedure:

V21N1E 3427E 37777E

V25N7E 107E 3000E 0E