MIT/IL SOFTWARE ANOMALY REPORT

MIT REPORT NO. LNY 80
PROGRAM LUMINARY
PROGRAM REVISION 99

1.1 ORIGINATOR:	1.2 ORGANIZATION:	1.3 DATE:	1.4 ORIGINATOR CONTROL NO.
GARMAN	FSB - NASA	6/23	

1.5 DESCRIPTION OF ANOMALY:

A V63E causes copying of RADMODES Bit 6 from CH33 Bit 6 (LR position 1 discrete). A V63 with LR power off (e.g. V63 for RR checkout) causes RADMODES Bit 6 to be improperly set to 1. With no subsequent V63's (with LR power on), 522 alarms will result (with no LR data) till Higate in descent (CH33 Bits 6 and 7 are both 1 with LR power off).

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1.6 DESCRIPTION OF RUN:

First seen by FSB on an LM/CSM descent simulation. 522 alarms occurred once every two seconds until the LGC commanded LR to position II. The LMS does not simulate both position bits; however the current crew checklist if done out of order (being corrected) can cause the same problem (and did) as a result of the position 2 test they do.

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- MIT ANALYSIS -

2.1 CAUSE:

See 1.5.

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2.2 RECOGNITION:

See 1.6.

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2.3 MISSION EFFECT:

No Landing Radar data until Higate is reached.

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2.4 AVOIDANCE PROCEDURE:

Do V63E, then V34E, after LR power is turned on prior to calling P63.

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2.5 RECOVERY PROCEDURE:

Do V63E, then V34E in P63. (Not necessary if Avoidance procedure was used.)

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2.6 PROGRAM CORRECTION:

See PCR 817.

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

Fixed for 1B.

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2.8 RECOMMENDED RE-TESTING:

Special Hybrid Test.

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2.9 MIT/IL SIGNATURE:	2.10 DATE:
Hugo W. Cherry	7/11/69

3.1 NASA DIRECTION:

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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)