

MIT/IL SOFTWARE ANOMALY REPORT

MSC REPORT NO.	LNY 25
PROGRAM	LUMINARY
PROGRAM REVISION	69

1.1 ORIGINATOR: ADLER & EYLES	1.2 ORGANIZATION: MIT/IL	1.3 DATE: 12 Dec 68	1.4 ORIGINATOR CONTROL NO.	
1.5 DESCRIPTION OF ANOMALY: If P63 is terminated before SERVICER is turned on at TIG-30 seconds, any subsequent selection of P40, P41, P42, or P47 will use an incorrect AVERAGE-G routine with dire results. This condition holds until the next time SERVICER is terminated.				CONTINUED ON PAGE
1.6 DESCRIPTION OF RUN: Hybrid test of P63				CONTINUED ON PAGE
- MIT ANALYSIS -				
2.1 CAUSE: MUNFLAG is set at the beginning of P63 and P12 and is reset only at AVGEND.				CONTINUED ON PAGE
2.2 RECOGNITION: Possibly abnormal displays after AVERAGE-G is turned on. (Nouns 40, 83, 85)				CONTINUED ON PAGE
2.3 MISSION EFFECT: P40, P41, P42, or P47 not possible without following recovery procedure.				CONTINUED ON PAGE
2.4 AVOIDANCE PROCEDURE: Wait until after TIG-30 before terminating P63 (or P12). (Or see 2.5)				CONTINUED ON PAGE
2.5 RECOVERY PROCEDURE: Manually reset MUNFLAG (Bit 8 Flag 6) by keying V 25 N 7 E 102 E 200 E 0 E before TIG-30 in P40, etc. If P40, etc., already selected and past TIG-30, terminate and reselect.				CONTINUED ON PAGE
2.6 PROGRAM CORRECTION: Explicitly reset MUNFLAG in Verb 37 logic or at start of P40, P41, P42, and P47.				CONTINUED ON PAGE
2.7 RECOMMENDED DISPOSITION (Fix, Work-around, etc): Program Note: If P63(or P12) is terminated before SERVICER is turned on at TIG-30, reset MUNFLAG as described in 2.5 immediately.				CONTINUED ON PAGE
2.8 RECOMMENDED RE-TESTING: Special Hybrid Test: Termination of P63 followed by selection of P40.				2.9 MIT/IL SIGNATURE:
2.10 DATE: 12-21-68				CONTINUED ON PAGE
3.1 NASA DIRECTION:		4.1 CLOSING ACTION TAKEN: Program Note		
CONTINUED ON PAGE		CONTINUED ON PAGE		
3.2 NASA/MSC SIGNATURE:	3.3 ORGANIZATION	3.4 DATE:	4.2 SIGNATURE:	4.3 ORGANIZATION:
4.4 DATE:				