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. MIT/IL	SOFTWARE	ANOMALY REPO	DRT FICTREPORT NO.			
LI ORIGINATOR:	1.2 ORGANIZATION:	1.3 DATE: 1.4 ORIGIN	NATOR PROGRAM TIM			
Garman	FSB	10-2-69 CONTRO	PROGRAM REVISION			
1.5 DESCRIPTION OF ANOMALY:			116			
A 520 alarm occurred at time of abort (to P70). This is probably very similar to program note 1.4.2, as it is our belief that <u>any</u> software restart can cause the 520 alarm during descent with about a 30% probability. Is that true?						
			CONTINUED ON PAGE			
L6 DESCRIPTION OF RUN:						
LMS descent abort simulat	ion on 10/1/69.		•			
•	•	•	CONTINUED ON PAGE			
- MIT ANALYSIS -						
2.1 CAUSE:						
See Data Amplification S	heet.		CONTINUED ON PAGE			
2.2 RECOGNITION:			•			

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		CUNITNUED ON PAGE
2.3	MISSION EFFECT:	
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	•	CONTINUED ON PAGE
2.4	AVOIDANCE PROCEDURE:	
	•	· .
•	•	CONTINUED ON PAGE
2,5	RECOVERY PROCEDURE:	ł.
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		CONTINUED ON PAGE
2,6	PROGRAM CORRECTION:	
	• • •	
	•	CONTINUED ON PAGE
21	RECOMMENDED DISPOSITION (Fix, Work-around, etc):	
		•
		CONTINUED ON PAGE
2.8	RECOMMENDED RE-TESTING:	/
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	CONTINUED O	IN PAGE 2.9 MILLE SIGNATURE: 4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
3.1	NASA DIRECTION:	4.1 CLOSING ACTION TAKEN:

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	CONTINUED ON PAGE		CONTINUED ON PAGE	
3.2 NASANSC SIGNATURE:	J. J ORGANIZATION 3.4 DATE:	42 SIGNATURE:	43 ORGANIZATION 44 DAIL:	
WIC Forn 1409 (Rev Way 6	8)	این با دور بر بردی برد از این میکند. این با این این این این این این این این این ای	ى مى يى بىل بى بى بى بى مى جون بى جون بى	

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MIT/IL SOFTWARE ANOMALY REPORT

I.I ORIGINATOR: J. GARMAN	L2 ORGANIZATION: FSB	L3 DATE: 10/2/69	1.4 ORIGINATOR CONTROL NO.	PROGRAM LUM PROGRAM REVISION
		5-100000 5-1		<u> </u>

2.1 Cause:

Not true: A 00520 alarm, "RADARUPT not expected at this time,' is generated whenever a radar (LR or RR) interrupt is received when not called for. In referring to A. Harano's DDM #483 as revised 28 August 1969, it is seen that the rupt is generated upon a restart only if the restart occurs during the counter state "9". With 6 radar readings (5 velocity, 1 altitude) every two seconds, the CNTOF9 is present 30 msec/sec or 3% probability.

It is understood that the present LMS configuration will generate a 00520 alarm anytime a restart occurs during the time the "activity" bit is set. This is 270 msec/sec. or approximately 30% probability.

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NO. 1R-08