no popli

(*		JOHNARL	MOMINET	KEFOKI	LNY 69
1. 1 ORIGINATOR:		2 ORGANIZATION:	1.3 DATT:	1.4 ORIGINATOR CONTROL NO.	PROCEAM
R. D. GC		MIT/IL	5/14/69	75,,,,,,	PROGRAM REVISION 97
A spurious co	ommanded	firing of a dow	nward forcing	RCS jet in p	owered ascent.
1.6 DESCRIPTION OF RUN:					CONTINUED ON PAGE
moon to asce	nt engine d c.g. displa	utoff. An off-1	nominal c.g. ne ascent engi	displacement ax	from surface of ent was simula- is increased from CONTINUED ON PAGE
		- MIT	ANALYSIS -		
		EST" section o			
1 or 2 Isolate		of 100 ms dura trol for ascent		nward forcin	g jet during period
2.3 MISSION EFFECT:	610 101 001				CONTINUED ON PAGE
For nominal firings of a d	ownward for		occur during	130-second p	case 1 or 2 extra owered ascent. CONTINUED ON PAGE 2
None needed.					CONTINUED ON PAGE
2.5 RECOVERY PROCEDURE:					ONTINOED OIL THOSE
None.					CONTINUED ON PAGE
2.6 PROGRAM CORRECTION: Change ERRI required.	TEST secti	on of section.	An increase o	of 2 words of	coding is
Z.7 RECOMMENDED DISPOSI	TION (Fix, Work-are	ound, etcl:			CONTINUED ON PAGE
Fix in next re	elease.				CONTINUED ON PAGE
2.8 RECOMMENDED RE-TEST	NG:				CONTINUED ON PAGE
Rerun test ru	ın.	CONTINUED ON PAGE	2.4 MITHE SIGNATUR	in the I	2.19 DATE:
3.1 NASA DIRECTION		CONTINUED ON PAGE	41 CLOSING ACTION	TAKEN	INARY 1 B original Chara
3.2 NASAMSC SIGNATURE:	3.3 ORGAN	IZATION 3.4 DATE:	42 SIGNATURE:	4.3 ORG	ANIZATION: 44 DATE:

MIT/IL SOFTWARE ANOMALY REPORT

MSC REPORT NU. LNY69 1.1 ORIGINATOR: 1.2 ORGANIZATION: L4 ORIGINATOR L3 DATE: CONTROL NO. R.D. GOSS MIT/IL 5/14/69 97

2.1 Cause, cont'd.

... "MAXJETS" section of coding and command an unwanted 2 jet firing about the axis.

- (1) $E = \pm 0$
- (2) FIREDB < 0

Condition 2/ can occur only if ABSAOS > 11.25°/sec² and EDOT and AOSU have the same sign.

2.3 Mission Effect, cont'd.

...additional ΔV penalty of .09 ft/sec may be incurred, or equivalently a fuel penalty of approximately . 05 lbs of fuel may be incurred.