MIT/IL PROGRAM CHANGE ROUTING	PCR/PCN #	
		ANOMALY # LN489
COLOSSUS 1A LUMINAI	RY 1	
COLOSSUS 2 [] LUMINAT	RY 1A	· PRY
COLOSSUS 2A LUMINAF	RY <u>18</u>	
COLOSSUS	•	
•	• .	
MIT Approved PCN	NASA Approved PCR	Software Anomaly
	NASA Approved PCN	MIT Approved .
A. Coding .		Software Anomaly
Begin coding immed	liately	•
	ACTION:	Plill R
•	•	1100
·•·	Program Supervisor:	16 Chang France
Do not code until new Mission Design Revie	GSOP material has been Board (MDRB) and o	en approved by the MIT distributed.
B. GSOP Preparation	· · · · · · · · · · · · · · · · · · ·	
Prepare GSOP revisi	ons for MDRB	
consideration	· ACTION:	•
	±	·
Technical Committee	Meeting not required.	
Technical Committee	Meeting(s) held on	
Attende	es:	
•		
C. KSC Testing and Checkout		
Review for possible i testing and checkout	mpact on KSC ACTION:_	
D. Other Programs Affected	:	
Review for corresponding	g changes in	
	ACTION:	•
Special Instructions		- 11 pl
	Project Manager Date	G.W. ( 12119- KWG
	Date	. 0/3/0
	•	•
		•
		0 <b></b>

(Rev 1, 2/69)

. MIT/I	L SOFTWARE	ANOMALY REP	ORT PACEFORT NO.
.1 ORIGINATOR:	1.2 ORGANIZATION:		INATOR PROGRAM
B. McCoy	MIT/IL		ROL NO. ILUMINARY IA
1.5 DESCRIPTION OF ANOMALY:		,	LNY 99 Rev 1
State Vector was integr	rated backwards w	hile in POO, P27.	
			•
			a-
985 980			•
		•	CONTINUED ON PAGE
1.6 DESCRIPTION OF RUN:		•	
Flight of Apollo 11 - st uplink a new vector an	ate vector time pa d integration start	d-loaded as pos - meded to bring the old	ax. A P27 was used to vector to present time.
		•	CONTINUED ON PAGE
	- MIT	ANALYSIS -	
POO integration's ten- backwards integration			PGD AND 1000 PM PGD 1000 PM PG
2.2 RECOGNITION: MIT/AGC support at N	Aission Control Ce	enter in Houston dur	ing Apollo 11.
2.2 141551011 555502		·	CONTINUED ON PAGE
7.3 MISSION EFFECT: Time: V96E needed to	stop integration,	select POO and upli	276 Whodheld American Charles Make Make Modern Con
2. 4 AVOIDANCE PROCEDURE:	·	•	CONTINUED ON PAGE
Do not select POO or	V96 prior to uplin	k in power up seque	nce.
2.5 RECOVERY PROCEDURE:	·		CONTINUED ON PAGE
	· i	*	
See 2.3 .	•	•	CONTINUED ON PAGE
2.6 PROGRAM CORRECTION:			
		REG = 27, or devise	continued on PAGE
2.7 RECOMMENDED DISPOSITION (Fix, W	ork-around, etc):		
Fix for 1B.			
2.8 RECOMMENDED RE-TESTING:	<del>-</del>	· · · · · · · · · · · · · · · · · · ·	CONTINUED ON PAGE
Special hybrid test	• 4	O MITHE SIGNATURE.	To 10 0 ATE.
	CONTINUED ON PAGE	2.9 MITIJL SIGNATURE:	2.10 DATE: /64
3.1 NASA DIRECTION:		4.1 CLOSING ACTION TAKEN:	
			<b>1</b> − 2
			•
•	CONTINUED ON PAGE		
3.2 NASAMSC SIGNATURE: 3.3	ORGANIZATION 3.4 DATE:	4.2 SIGNATURE:	CONTINUED ON PAGE  4.3 ORGANIZATION: 4.4 DATE:
	•	i i	

MSC Form 1409 (Rev May 68)