M11/11	SOFIWARE	ANOMALY	REPORT	CAL REPORT NO.
1 00101111700	1.2 ORGANIZATION:	L.3 DATE:	L4 ORIGINATOR	L-4B-01
P. VOLANTE	MIT/IL	8/19/69	CONTROL NO.	LUMINARY
1.5 DESCRIPTION OF ANOMALY:	1/12 1 / 2 2 2	0/20/00		FROCKAM REVISION 116
Selection of P22 before	the CSM has ent	ered Mode 2	Radar Cover	age can result
in an erroneous 530 Ala		cred wrode 2.	itadai Oovei	age can resure
in an erroneous 550 mic				
*	e e			•
<u>*</u>			•	
	,•			
				CONTINUED ON PAGE
P22 Digital Simulation,	nominal G Missi	on orbit.		•
. ZZ Digital Dillialavion,		:•	•	•
	•	•	ž.	v v <b>.</b>
	•			CONTINUED ON PAGE
		A LA L VC LC		· ·
	· · MII A	MALYSIS -		<del></del>
2. 1 CAUSE:		_		
The Radar Pre-designat	tion routine does	not work.		
	· · · · · · · · · · · · · · · · · · ·			CONTINUED ON PAGE
2.2 RECOGNITION: Alarm 530 when the CSN	f chould be comi	ng into cover	age.	1.51
Alarm 330 when the Can	's should be comme			CONTINUES ON 0 405
				CONTINUED ON PAGE
2.3 MISSION EFFECT:				
None.	•	•	<u>.</u>	CONTINUES ON DAGE
2.4. 41/01041/05 0000501/05				CONTINUED ON PAGE
2.4 AVOIDANCE PROCEDURE:  Do not select P22 until (	SM is within RR	coverage. 7	This time ca	n be supplied
from the ground or infer	red from the ran	ge, range-rate	e display	CONTINUED ON PAGE 2
2.5 RECOVERY PROCEDURE:			<del></del>	OUTHINGE OF TAGE 23
If alarm 530 is displayed	answer display	and reselec	t P22 when (	CSM is within
If alarm 530 is displayed, answer display and reselect P22 when CRR coverage.				CONTINUED ON PAGE
2.6 PROGRAM CORRECTION:				CONTINUED ON PAGE
Fix coding in Pre-design	nate.			
				CONTINUED ON DACE
2.7 RECOMMENDED DISPOSITION (Fix, Work-ar	round etc):			CONTINUED ON PAGE
Work-around in LUMINA	RY 1B; fix in L	UMINARY 10	· · · · · · · · · · · · · · · · · · ·	
	•	•		CONTINUED ON PAGE
8 RECOMMENDED RE-TESTING:		<del></del>	_	CONTINUED ON TAGE
0,9,				
t ·	CONTINUED ON PAGE	2. MITHE SIGNATURE	$\gamma_{1}$ . $C$ .	2. 10 DATE:
3.1 NASA DIRECTION:	CONTINUED ON PAGE	41 CLOSING ACTION 1	TAYEN	- illes
AT HASA DIRECTION:		LI CLOSING AUTION	mile ()	
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20 ( <b>●</b>	·			
•	· .	•		
		•	•	•
		•		
.2 NASAMSC SIGNATURE: 3.3 ORGAN	CONTINUED ON PAGE IZATION 13.4 DATE:	A 2 CICHATURE	12.5.222	CONTINUED ON PAGE
. A MADANISC STUMMIUNE: 15.5 OKOAN	· DATE:	4.2 SIGNATURE:	ADRO CA	INIZATION: 4.4 DATE:
MSC Form 1409 (Rev May 68)	<u></u>			
		29		

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L-1B-01

1.2 ORGANIZATION: L3 DATE: L4 ORIGINATOR PROGRAM

NATOR:

VOLANTE

1.2 ORGANIZATION:

MIT/IL

8/19/69

L4 ORIGINATOR CONTROL NO.

L-1B-01
PROGRAM
LUMINARY
PROGRAM REVISION
116

## .4 Avoidance Procedure, cont'd.

.. of R31 (V83). When the range-rate is negative, there is a known range at ... which the vehicle enters radar coverage, assuming nominal CSM orbit and LM orientation.