M	IT/IL SOFT	TWARE .	ANOMALY	REPO	RT F	AL REPORT	7.48
1. 1 ORIGINATOR:	1.2 ORGANIZ		I. 3 DATE:	1.4 ORIGINA			INARY
P. VOLANTE	M	IT/IL	3/18/69	CONTROL		ROGRAM REV	VISION 69
In P20 Rendezvous Navigation (or P22) the range greater than 400 n.m. alarm							
(526) may not be triggered when the range is between 566 and 980 n.m.							
*							•
•		•	₩ 			•	
A OF SCOLOTION OF PUN.						CONTINUE	D ON PAGE
1.6 DESCRIPTION OF RUN: P22 Lunar Surface	Navigation.	with initia	al range abo	ut 590 n	.m t	the 526	alarm
was not displayed.		4					
was not displayed.			-				•
						CONTINUE	D ON PACE
- Auge		- MIT A	NALYSIS:	•	·•		•
2.1 CAUSE:	TT (TT)	laialaia		ha maar	itudo.	of the	40 N KO
Overflow of the UN vector.	MT operation	wnich is	used to get i	ne magi	muae	CONTINUE	D ON PAGE
2.2 RECOGNITION:		•		500		•	•
Failure to get 526	alarm when r	range know	n to be ove	r 566 n.	m.		•
2.3 MISSION EFFECT:	·					CONTINUE	D ON PAGE
	· ·	a D20 wha	n the nence	ia anost	on the	n	na hut
It is possible to try to lock on in P20 when the range is greater than 566 n.m., but designate should fail.							
Use R31 to check 1	range prior to	selecting	g P20. (Not	e range	never	exceed	ls 400 n.m.
on nominal F Miss	ion trajector	y.)					D ON PAGE
2.5 RECOVERY PROCEDURE:	:•						
Terminate P20 when designate fail alarm (503) appears and reselect when within range.							
2.6 PROGRAM CORRECTION: Test for overflow	after UNIT.		•			ء -	
1000 101 0 0 0 1 1 1 1 1					3	CONTINUE	D ON PAGE .
2.7 RECOMMENDED DISPOSITION (Fix, Work-around, etc):			V 		- COMMINGE	,
Work-around in LUMINARY 1. Fix in LUMINARY 1A.							
2.8 RECOMMENDED RE-TESTING:	Donast D22 to	ot above	· I TINAINIA I	77 1 A		CONTINUE	ON PAGE
Z. B RECOMMENDED RE JESTING:	Repeat P22 te	stabove	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
	CONTINU	JED ON PAGE	2.9 MITTIL SIGNATUR	in Che	m -	:	2. 10 DATE: 1 3 / 19/64
3.1 NASA DIRECTION:	•		41 CLOSING ACTIO	N TAKEN:			
	•		·Fix	ı in	1 A		
			Program Note for LUMINARY				
	¥.			▼ (NE))	esacio 19	, , , , , , , , , , , , , , , , , , ,
			25	•	: ₽		• •
•		•	•	3.●6			
1 2 MACAINEC CICNATURE	4.6.610111111111111111111111111111111111	······································		CONTINUED			
3.2 NASAMSC SIGNATURE:	3.3 ORGANIZATION	3.4 DATE:	4.2 SIGNATURE:		43 ORGAN	HZATION:	L4 DAIE:

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