· . M1	T/IL SOFTV	VARE A	NOMALY	REPORT	FACREPORT NO. LNY 54
1 ORIGINATOR:	1.2 ORGANIZATI	ON:		1.4 ORIGINATOR	PROGRAUMINARY
G.W. CHERRY	MIT		3/26/69	CONTROL NO.	PROGRAM REVISION
5 DESCRIPTION OF ANOMALY:			,		Rev. 69
1301 Alarm (argur numerical inaccur CSM.	nent of ARCC	OS functionation of a	n too large ngle betwee	e) occurs in en LM Z-ax	R65 because of kis and LOS to
					CONTINUED ON PAGE
.6 DESCRIPTION OF RUN:					
LMS, MIT hybrid	and all-digita	l runs.	•		
	•			•	CONTINUED ON PAGE
		- MIT AN	IALYSIS -		
Computation of ar	mument of AR	CCOS has	numerical	inaccuraci	ies - principally
in unit (R <sub>CSM</sub> - R	LM).				CONTINUED ON PAGE
2.2 RECOGNITION:	*		•		
Program alarm light. V05N09 shows 1301.					CONTINUED ON PAGE
Interference with alarm.	timeline beca	use astro	naut must k	cey V05N09	to determine  CONTINUED ON PAGE
2.4 AVOIDANCE PROCEDURE:					
Manual tracking o	f Z-axis delib	erately o	ff LOS vect	or.	. CONTINUED ON PAGE
When it occurs, no command input.	nove Z-axis a Reset Alarm.	way from	LOS with	one manual	minimum impulse  CONTINUED ON PAGE
2.6 PROGRAM CORRECTION:	•		1.0		
Do not compute A	RCCOS. Com	pare COS	directly w	ith COS (a	ngle limit). CONTINUED ON PAGE
2.7 RECOMMENDED DISPOSITION I	Fix, Work-around, etch				,
Already fixed in I	LUMINARY 1A	· .			CONTINUED ON PAGE
2.8 RECOMMENDED RE-TESTING: Try to determine	frequency of	occurrenc	ce in order	to evaluate	extent of problem.
	CONTINU	ED ON PAGE		and the second s	n
3.1 NASA DIRECTION			41 CLOSING ACTI	on taken:	+(
	, • <sub>4</sub> •				•
CONTINUED ON PAGE			CONTINUED ON PAGE		
3.2 NASAMSC SIGNATURE			4.2 SIGNATURE:		ORGANIZATION: 4.4 DATE:
1		1	NAME OF THE PARTY OF THE PARTY.		

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