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COLOSSUS Memo #

TO: Distribution
FROM: N. Erodeur
DATE: April 27, 1970
SUBJECT: Revisions 102 through 104

Revision 104 was good.

The following changes were incorporated into revs 102 through 104:

- ~~X~~ The following software changes were implemented to make use of the newly added hardware module, channel 77:
 - ~~X~~a) Downlink lists were modified to replace CADRFLASH + 1 with channel "7.
 - ~~X~~b) Coding was added to Fresh Start (V36E) to zero channel 77.
 - ~~X~~c) Coding was added to P27 to zero channel 77 after a state vector uplink only. (PCR 302.1), 315.1
- ~~X~~ A correction was made to the restart logic of P15.
- ~~X~~3. Coding was added to reset TIMRFLAG in the subroutine CLUPDATE and thus cause the current CLOKTASK to terminate on the recycle option of the V16N45 targetting program display (COM 37).
- NA 4. P29 (Time of longitude program) was deleted (PCR 1034).
- NA 5. Three needed registers were made available in Bank 5 by:
 - a) the deletion of unused constant OCT 7777,
 - ~~X~~b) the use of EBANK3 instead of constant STARTEB to set EBANK in STARTSUB. (ACB A4)
 - c) the use of a BANKCALL to call RESTARTS directly (ACB 114)

- ~~6.~~ An error in the implementation of C13STALL (ACB 111) was corrected.
- ~~7.~~ The setting of V59FLAG and EXTVBACT in R57 was relocated to prevent a restart problem which disallowed marking under certain restart conditions. (PCR 993)
- NA 8. Coding was added to bypass coarse align if DAPDATR1 indicated Saturn configuration and AVEGBIT is set, i. e., Average G is on. (PCR 984 and ACB 115)
- ~~9.~~ P24 erasable NO. PASS was redefined to be a pad load. (PCR 869) *Roy*
- ~~10.~~ P24 was modified to correct restart problems by zeroing SOLD and TOLD in GOPROG, and by switching from Group 4 to Group 2 at the start of P24.

COLOSSUS GSCP

GSOP sections to be checked with respect to the changes described:

Section 2 (Items 1, 4)

Section 3 (Item 8)

Section 4 (Items 1, 4, 10)

As of Revision 104, there are no known anomalies.