

Massachusetts Institute of Technology
Charles Stark Draper Laboratory
Cambridge, Massachusetts

COLOSSUS Memo #264

TO: Distribution
FROM: P. Rye
DATE: 26 March 1970
SUBJECT: Revisions 99 through 101 of COLOSSUS

Revision 101 was good.

The following changes were incorporated into Revisions 99 through 101:

(1)

The LONGCALL routine was moved from Bank 01 to Bank 02
this change. (COM34)

(2)

(3) The restart protection logic in P15 was corrected. This involved creation of 3.2SPOT in the Restart Tables. 3.5SPOT was zeroed out since it is no longer used. (PCR 973)

(4) The clearing of the rate registers at the start of R52 was deleted in order to avoid clearing the registers in the case of a restart. Since these registers are cleared by V37 the R52 code was redundant. (PCR 869)

(5) The value of the altitude displayed in N43 in P29 was changed to show altitude above the pad or RLS rather than above the Fischer ellipsoid or lunar radius. This was accomplished by entering the LAT-LONG routine with ERADFLAG cleared instead of set. (PCR 956)

(6)

(7)

- (8) A correction was made in the Down Telemetry program of an error caused by the calling of C13STALL. The ID word, temporarily stored in the L register, was being overwritten by C13STALL. This was corrected by using ITEMP1 instead of L as the temporary storage. (ACB111)
- (9)
- (10) A call to R02BOTH, which checks the status of the IMU, was added at the start of P24. (PCR 869)

COLOSSUS GSOP

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

Section 2 (item 2, item 5)	Section 5 (item 5)
Section 4 (item 5, item 10)	

Anomaly Status

As of Revision 101, COM37 is the only known anomaly.