LUMINARY Memo #202

To: Distribution
From: D. Densmore
Date: 16 February 1971
Subject: Luminary Revision 204

The following changes were incorporated into Revision 204: fixes to PCRs 348, 324, 1127, 1091 and 1122, and 2 cosmetic changes.

1) (PCR 348) P76 erasable OPTFLAG was moved from location 1243, where it shared with MASS, to location 1235 where it will share with GDT/2, AOTCODE, STARCODE, and TMPDV. MASS is not Servicer storage, as its erasable comment incorrectly states, but DAP storage. It therefore ought not to share.

2) (PCR 324) The clearing of AGSCODE was moved from DUMMYAD in V37 to DSPOFF in STARTSUB2 so that it will be cleared in all types of restarts.

3) (PCR 1127) N46 now displays two registers, DAP configuration in R1 and CHANBKUP in R2. The call for it was therefore changed to a V04N46 instead of a V01N46. The old constant for the VN, used only for the one call, was replaced by the new constant.

4) (PCRs 1091, 1134) Error reset was changed not to touch the new DAP light or the new super key release light. Formerly a constant GL+NOATT was CAFed to mask out the gimbal lock and no attitude lights from the error resetting. A new constant GL, ETC. was defined to also mask out the new lights. Since there were no other references to GL+NOATT the new constant replaced it.
COSMETIC CHANGES.

4) (PCR 1044) FLT59FLG was added to the alphabetic flag list.

5) (PCR 1091, 1134) The comment saying which bits of DSPTAB +11D are to be turned on in a light test was updated incorrectly when the DAP light and super keyrelease light bits were added to the constant. The comment was corrected in this revision.

GSOP Impact:

The following item should be examined for possible impact on the GSOP Section:

Section 2 item 4

Corrections to Previous Luminary Assembly Memos:

1) Memo #175 about Rev. 182:
   Item 13 is implementation of ACB L-39.

2) Memo #193 about Rev. 199:
   PCR 1122 was disapproved. The change described was performed under PCR 1134.

3) Memo #192 about Rev. 196:
   On item 3 the description of PCR 1107 should specify channel 30 bit 5, not channel 30 bit 6.