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LUMINARY Memo #193

To: Distribution
From: D. Densmore
Date: 8 January 1970
Subject: Luminary Revisions 197, 198, 199

Changes to implementation of PCRs 348 and 1127 were made in Revision 197.

A change to the implementation of PCR 334 was implemented in Revision 198.

PCR 1122 and PCN 1095 (fix of L-1D-07) were implemented in Revision 199.

197

197.1 PCR 348 (P77). Interpretive routine MIDTOAV2 (4 words) was moved from Bank 13 to Bank 21. A new tag, ORBITAL5, was defined in Bank 21 for this purpose.

197.2 PCR 1127 (CHANBKUP). CHANBKUP is displayed as R2 of N46. R03 was changed to blank R3 of N46 instead of R2 and R3.

198

198.1 PCR 334 rev. 1 (New Descent/Ascent Nouns). N94 was set up in the noun tables, but ascent guidance was never changed to display it. The call for V06N63 was changed to a call for V06N94.

199

199.1 PCR 1122 ("DAP not controlling" DSKY light). DAPIDLER and P-axis minimum impulse routines were changed to clear CONTRLFL to indicate no control.

- 199.2 PCN 1095 (L-1D-07). (Avoid improper yaw firings). If the crew switched from Att Hold to Auto while rate command mode was still in effect, improper yaw firings could have occurred.
- a) OURRCBIT is reset whenever the LGC is in auto with the x-axis override inhibited.
 - b) QRBIT is reset during rate damping while in x-axis override mode.

GSOP impact:

The following items should be examined for impact on the various GSOP sections.

Section 2	item 199.1, 199.2
Section 3	item 199.1, 199.2
Section 4	item 198.1, 199.1