

Massachusetts Institute of Technology  
C. S. Draper Laboratory  
Cambridge, Massachusetts

LUMINARY Memo #183

To: Distribution  
From: D. Densmore  
Date: 9 December 1970  
Subject: Luminary Revision 187

The following changes were implemented into Luminary Revision 187:  
ACB L-38 and corrections to PCR 1044.

- 1) Further bank moving was necessary to fit the implementation of PCR 1044 Routine. LSORIENT (12 words) was moved from bank 15 to bank 4. Routine S52. 2 through S52. 3 (41 words) were moved from bank 14 to bank 21.
- 2) (PCR 1044)  
A new flag, FLT59FLG was defined to specify whether lunar surface mark procedures or normal mark procedures are to be used during inflight alignment. This was assigned to bit 4 of flagword 9.
- 3) Erasable assignments for PCR 1044 were not complete or correct. Further assignments were made and a correction flagged by a CHECK = cuss was put in. Two erasables formerly referenced relative to another, unconnected, erasable were defined with their own names (XMKCNTN and YMKCNTN).
- 4) ACB L-38.  
Flag settings in V56 were rearranged so that if it is interrupted by a restart and then called again, it can finish. Resetting of track flag and rendezvous flag is not done until just before exiting the routine. V56 won't be performed unless both are on.

The following items should be checked for possible impact on the various GSOP sections:

Section 2: items 2, 4

Section 4: items 2, 4