

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

LUMINARY Memo #158

To: Distribution
From: B. McCoy, D. Densmore
Date: 18 June 1970
Subject: Revision 163-173

Revision 173 of LUMINARY was released for manufacture on June 15, 1970. The re-released revision contained corrections to the following items:

- 1) ACB L20. Output scaling was corrected (.5571 E-4 B18); input scaling was changed to be consistent.
- 2) PCR 988. Restart return point in P66 was moved.
- 3) PCR 896. Check to avoid early processing of radar velocity data was added.
- 4) PCR 1012. The erasable call TOOFEW was moved to an unshared location (1354).
- 5) L-1C-01. Restart bug in S40.3 was corrected by changing the return logic.

In addition, the following items were implemented:

- 1) PCN 1048. Code was added to P34 to initialize ELEV (R2 of N55) to zero. A block of erasables, including ELEV, was moved, eliminating the problem of ELEV and YDOT sharing.
- 2) PCR 1052. A correction for spurious throttle acceleration in P66 due to the offset of the IMU from the center of gravity was implemented by multiplying the pitch rate by the offset distance.
- 3) ACB L-27. Coding was changed so as to provide 3 more locations in Bank 05.