The quantity TGOAUG is indicated to be a pad-loaded erasable by the LUMINARY GSOP R-567 Section 5 revision 1 (page 5.7-4). In Rev. 69 of LUMINARY, however, this quantity is in fixed memory. TGOAUG is the increment added to time-to-go when the AGC switches from P63 to P64 and its value depends on the targeting used.

Visual comparison of GSOP with program

MIT ANALYSIS

2.1 CAUSE:
N/A

2.2 RECOGNITION:
N/A

2.3 MISSION EFFECT:
Less flexibility in targeting, landing

2.4 AVOIDANCE PROCEDURE:
N/A

2.5 RECOVERY PROCEDURE:
N/A

2.6 PROGRAM CORRECTION:
Put the quantity TGOAUG in erasable memory

2.7 RECOMMENDED DISPOSITION (Fix, Work-around, etc):
Fix in LUMINARY IA

2.8 RECOMMENDED RE-TESTING:
Nominal Landing run.

3.1 NASA DIRECTION:

4.1 CLOSING ACTION TAKEN:
Fix in LUMINARY IA

MIT/IL SOFTWARE ANOMALY REPORT

MIT/IL

C. Schulenberg

1/29/59

CWS

MIT/IL

CONTROL NO.

PROGRAM LUMINARY

PROGRAM REVISION 69