MIT/IL SOFTWARE ANOMALY REPORT

1. ORIGINATOR: J. B. Hill

2. ORGANIZATION: TRW

3. DATE: 8/22/68

4. ORIGINATOR: TRW

5. CONTROL NO.: 1-1/4-G-01

6. PROGRAM: LUMINARY

7. PROGRAM REVISION: 40

1.5 DESCRIPTION OF ANOMALY: RTCC uplink load for P31 (Lambert aimpoint guidance) consists of three variables - TIG, RTARG, DELLT4 - according to the LUMINARY GSOP and LUMINARY rev. 36. LUMINARY rev. 36 computes DELLT4 from TIG and TPASS4, which is not defined in LUMINARY rev. 36. Therefore, TPASS4 should replace DELLT4 as part of the uplink load or P31 logic should be modified.

1.6 DESCRIPTION OF RUN:
Visual inspection.

MIT ANALYSIS -

2.1 CAUSE:
Coding error in Revision 40. Fixed in Revision 41.

2.2 RECOGNITION:

2.3 MISSION EFFECT:

2.4 AVOIDANCE PROCEDURE:

2.5 RECOVERY PROCEDURE:

2.6 PROGRAM CORRECTION:

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

2.8 RECOMMENDED RE-TESTING:

2.9 MITIL SIGNATURE:

2.10 DATE:

3.1 NASA DIRECTION:

3.2 NASA/MSC SIGNATURE:

3.3 ORGANIZATION:

3.4 DATE:

4.1 CLOSING ACTION TAKEN:
Fixed in Rev. 41.

4.2 SIGNATURE:

4.3 ORGANIZATION:

4.4 DATE:

MSC Form 1409 (Rev May 68)