In P22 Lunar Surface Navigation, the RR pre-designate routine stores into an erasable used by orbital integration (precision integration only).

**DESCRIPTION OF RUN:**
N/A

**MIT ANALYSIS**

2.1 **CAUSE:**
Interpretive coding branches to basic.

2.2 **RECOGNITION:**
Possible bad results from extended verb routines such as R31. P22 results not affected.

2.3 **MISSION EFFECT:**
Any extended verb which uses precision integration (e.g., R31) could give wrong answers.

2.4 **AVOIDANCE PROCEDURE:**
Do not select such extended verbs while the pre-designate in P22 is running.

2.5 **RECOVERY PROCEDURE:**
Re-select extended verb.

2.6 **PROGRAM CORRECTION:**
Fix coding to branch properly.

2.7 **RECOMMENDED DISPOSITION (Fix, Work-around Patch):**
Work-around in LUM 1A. Fix in LUM 1B.

2.8 **RECOMMENDED RE-TESTING:**
P22 - Level-3 with pre-designate.

3.1 **NASA DIRECTION:**

**MIT/IL SOFTWARE ANOMALY REPORT**

**AUTHOR:**

**DATE:**

**MIT/IL**

5/20/69

**CONTROL NO.:**

LUMINAR Y

**PROGRAM REVISION:**

99

**MIT/IL SIGNATURE:**

**DATE:**

**CLOSING ACTION TAKEN:**

**NASAMSC SIGNATURE:**

**DATE:**

**SIGNATURE:**

**ORGANIZATION:**

**DATE:**

**SIGNATURE:**

**ORGANIZATION:**

**DATE:**