V83 gives incorrect results at small ranges.

V83 at small range (1 n.m. or less)

**MIT ANALYSIS**

- **CAUSE:**
  Overflow in computation (See SUNDISK Anomaly 28 and SUNDISK Memo 10-68)

- **RECOGNITION:**
  Periodic discontinuity of RDOT display

- **MISSION EFFECT:**
  None

- **AVOIDANCE PROCEDURE:**
  None

- **RECOVERY PROCEDURE:**
  None

- **PROGRAM CORRECTION:**
  `ADD VSRI before unit of Range` \[ \text{NORMAL} \]

- **RECOMMENDED DISPOSITION:**
  Prog. Note for LUMINARY I, Fix for IA

- **RECOMMENDED RE-TESTING:**
  If fixed in IA, retest at small range.

**CLOSING ACTION TAKEN:**

Program Note in SUNDISK
Fixed in LUMINARY I

[Signature]