Mariner 1 was launched in 1962, and was intended to go to Mars, but didn't. Nobody knows where it really went. Can you tell why?

Intended Program	Typed Program
IF (TVAL .LT. 0.2E-2) GOTO 40  DO 40 M = 1, 3  W0 = (M-1)*0.5  X = H*1.74533E-2*W0  DO 20 N0 = 1, 8  EPS = 5.0*10.0**(N0-7)  CALL BESJ(X, 0, B0, EPS, IER)  IF (IER .EQ. 0) GOTO 10  20 CONTINUE  DO 5 K = 1, 3  T(K) = W0  Z = 1.0/(X**2)*B1**2+3.0977E-4*B0**2  D(K) = 3.076E-2*2.0*(1.0/X*B0*B1+3.0977E-1  4*(B0**2-X*B0*B1))/Z  E(K) = H**2*93.2943*W0/SIN(W0)*Z  H = D(K)-E(K)  5 CONTINUE  10 CONTINUE  10 CONTINUE  11 CONTINUE  12 Y = H/W0-1  40 CONTINUE	IF (TVAL .LT. 0.2E-2) GOTO 40  DO 40 M = 1, 3  W0 = (M-1)*0.5  X = H*1.74533E-2*W0  DO 20 N0 = 1, 8  EPS = 5.0*10.0**(N0-7)  CALL BESJ(X, 0, B0, EPS, IER)  IF (IER .EQ. 0) GOTO 10  20 CONTINUE  DO 5 K = 1. 3  T(K) = W0  Z = 1.0/(X**2)*B1**2+3.0977E-4*B0**2  D(K) = 3.076E-2*2.0*(1.0/X*B0*B1+3.0977E-14*(B0**2-X*B0*B1))/Z  E(K) = H*2*93.2943*W0/SIN(W0)*Z  H = D(K)-E(K)  5 CONTINUE  10 CONTINUE  10 CONTINUE  11 CONTINUE  12 Y = H/W0-1  40 CONTINUE  13 OCONTINUE  14 CONTINUE  15 CONTINUE  16 CONTINUE  17 CONTINUE  18 CONTINUE  19 CONTINUE  10 CONTINUE  10 CONTINUE  11 CONTINUE  12 CONTINUE  13 CONTINUE  14 CONTINUE  15 CONTINUE  16 CONTINUE  17 CONTINUE  18 CONTINUE  19 CONTINUE  10 CONTINUE  10 CONTINUE  10 CONTINUE  11 CONTINUE  12 CONTINUE  13 CONTINUE  14 CONTINUE  15 CONTINUE  16 CONTINUE  17 CONTINUE  18 CONTINUE  18 CONTINUE  19 CONTINUE  10 CONTINUE  10 CONTINUE  10 CONTINUE  11 CONTINUE  12 CONTINUE  13 CONTINUE  14 CONTINUE  15 CONTINUE  17 CONTINUE  18 CONTINUE  18 CONTINUE  19 CONTINUE  10 CONTINUE  10 CONTINUE  10 CONTINUE  11 CONTINUE  12 CONTINUE  13 CONTINUE  14 CONTINUE  15 CONTINUE  16 CONTINUE  17 CONTINUE  17 CONTINUE  18 CONTINU