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
<pre>   ...
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
Y = H/W0-1
40 CONTINUE
...</pre>	<pre> ...
IF (TVAL .LT. 0.2E-2) GOTO 40
DO 40 M = 1, 3
W0 = (M-1)*0.5
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DO 20 N0 = 1, 8
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CALL BESJ(X, 0, B0, EPS, IER)
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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
Y = H/W0-1
40 CONTINUE
...</pre>