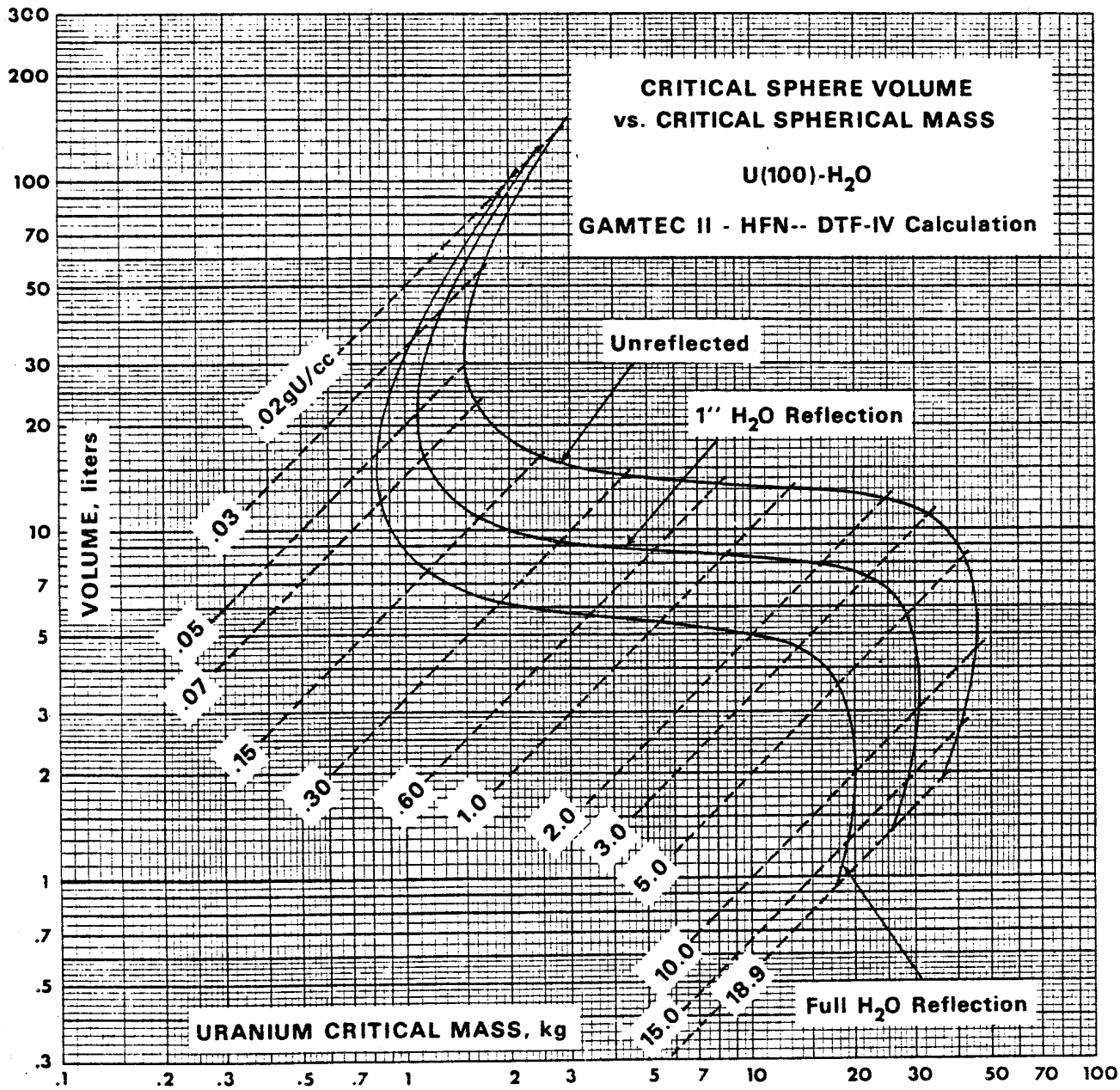
CRITICAL SPHERE VOLUME
vs. CRITICAL SPHERICAL MASS
U(100)-H2O
GAMTEC II - HFN-- DTF-IV Calculation
Unreflected
1" H2O Reflection
Full H2O Reflection
.02gU/cc
.03
.05
.07
.15
.30
.60
1.0
2.0
3.0
5.0
10.0
15.0
18.9
VOLUME, liters
URANIUM CRITICAL MASS, kg
300
200
100
70
50
30
20
10
7
5
3
2
1
.7
.5
.3
.1
.2
.3
.5
.7
1
2
3
5
7
10
20
30
50
70
100