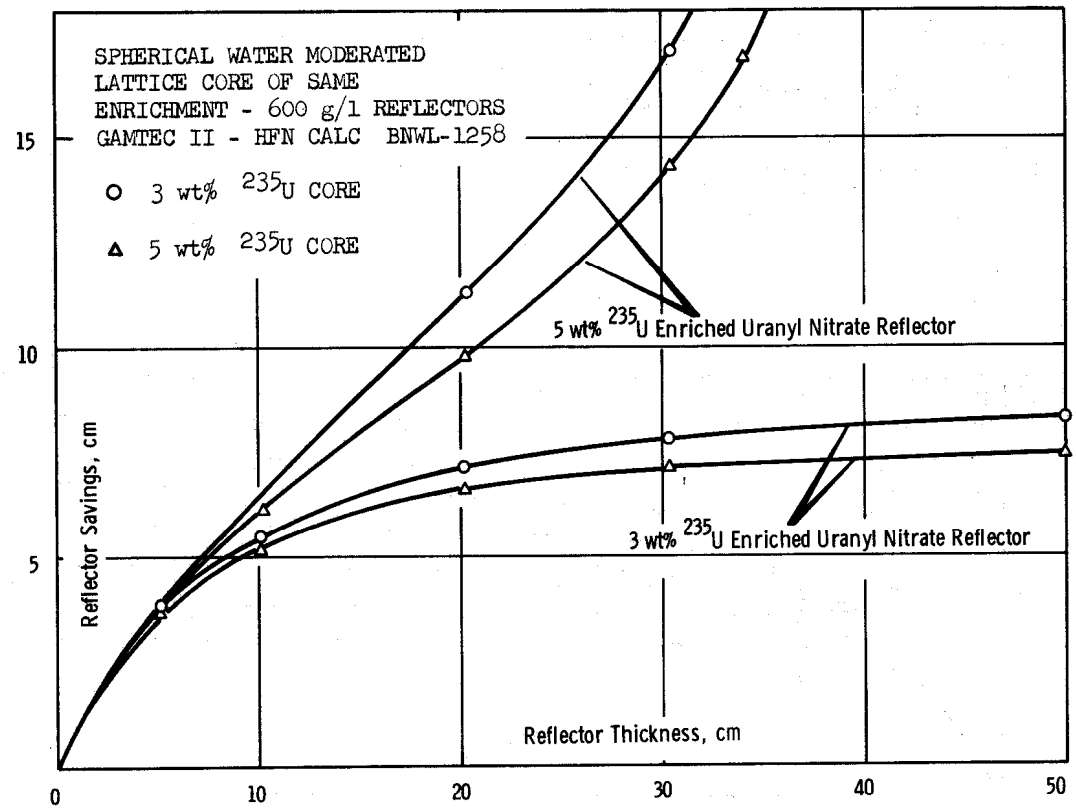
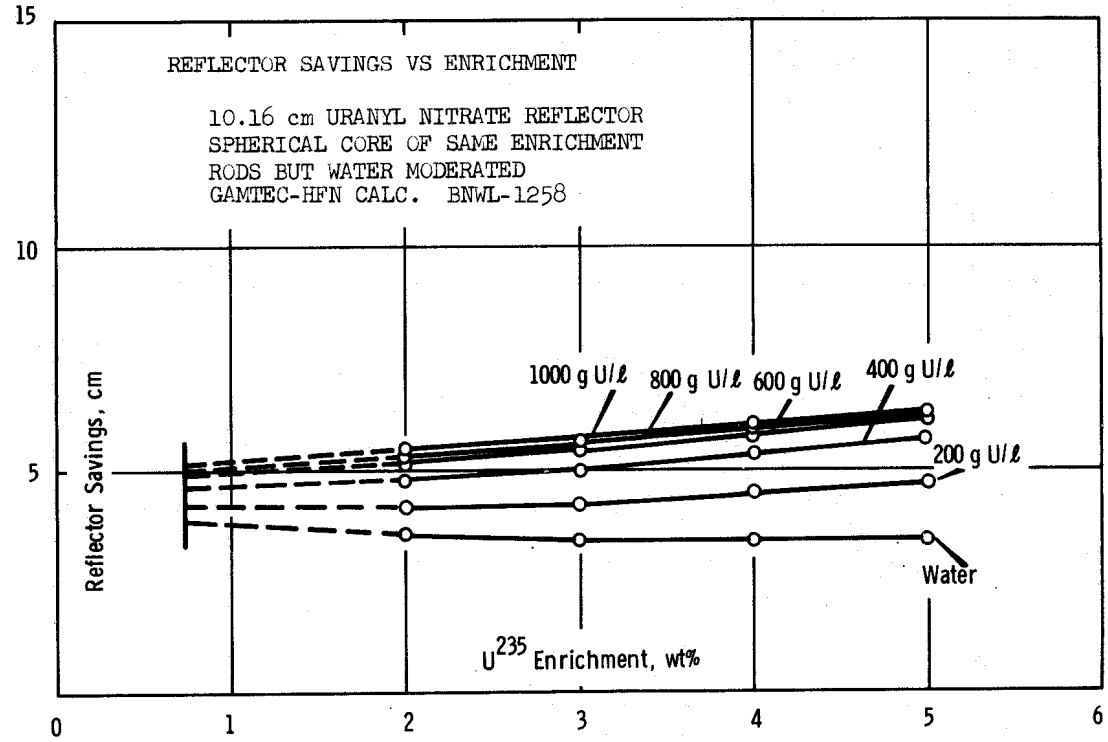

SPHERICAL WATER MODERATED
LATTICE CORE OF SAME
ENRICHMENT - 600 g/l REFLECTORS
GAMTEC II - HFN CALC BNWL-1258
3 wt% 235U CORE
5 wt% 235U CORE
5 wt% 235U Enriched Uranyl Nitrate Reflector
3 wt% 235U Enriched Uranyl Nitrate Reflector
Reflector Savings, cm
Reflector Thickness, cm
0
5
10
15
10
20
30
40
50


REFLECTOR SAVINGS VS ENRICHMENT
10.16 cm URANYL NITRATE REFLECTOR
SPHERICAL CORE OF SAME ENRICHMENT
RODS BUT WATER MODERATED
GAMTEC-HFN CALC. BNWL-1258
1000 g U/ℓ
800 g U/ℓ
600 g U/ℓ
400 g U/ℓ
200 g U/ℓ
Water
Reflector Savings, cm
U235 Enrichment, wt%
0
5
10
15
1
2
3
4
5
6