Nuclear Explosions

Their History and The Cold War 1945-2023



The first 3 bombs

1. **Trinity:** 16 of July Yield of **21** Kilotons

2. **Little Boy:** 5 of August Yield of **15** Kilotons

3. **Fatman:** 9 of August Yield of **21** Kilotons



Russia Joins The Race

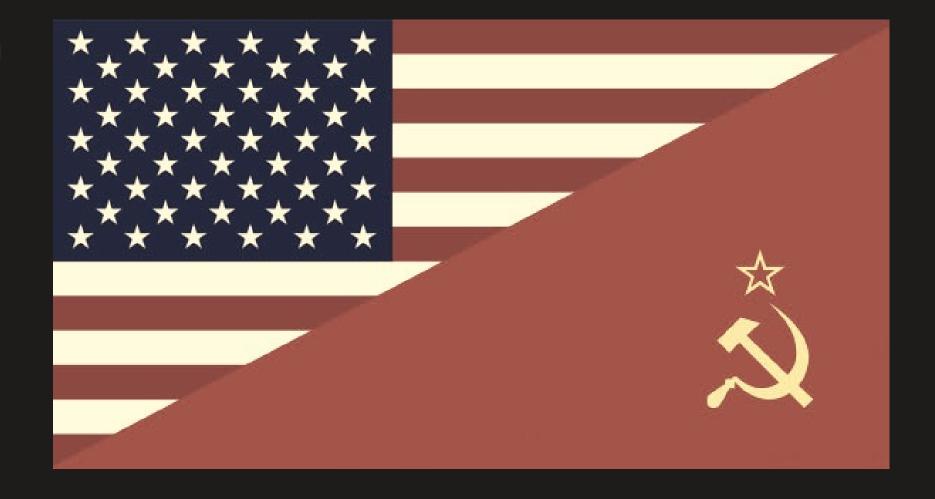
The Coldwar Has Begun —— Tsar Bomba

— Overview

USSR drops their first bomb in 1949: "First Lightning"

Yield of 22 Kilotons

Only Nuclear Test in the World This Year Rare occurance!



US Military Expenditure

1949: **13,150** Million USD

1952: **46,089** Million USD

Ca 250% increase

Source: johnstonsarchive.net

945 — <u>196</u>

Russia Joins The Race

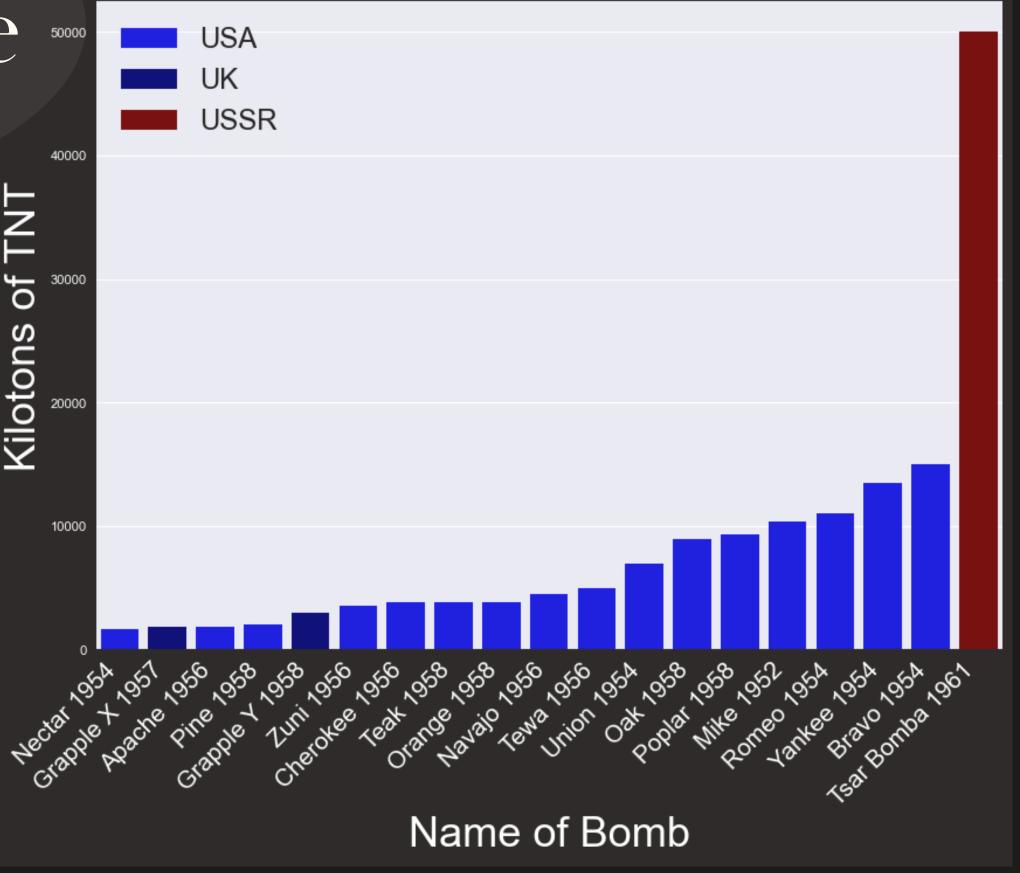
The Coldwar Has Begun —— Tsar Bomba

Overview

The Tsar Bomba

The most powerful bomb ever dropped.

2380 Times more powerful than Trinity!



Nuclear Test Yields From 1945 To 1961

<u> 196</u>

2023

Russia Joins The Race

The Coldwar Has Begun

Tsar Bomba

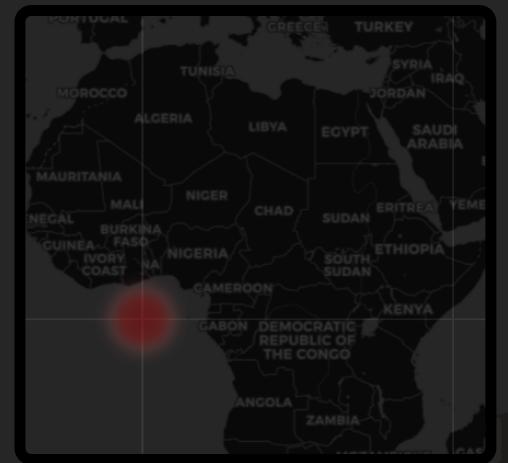
— Overview

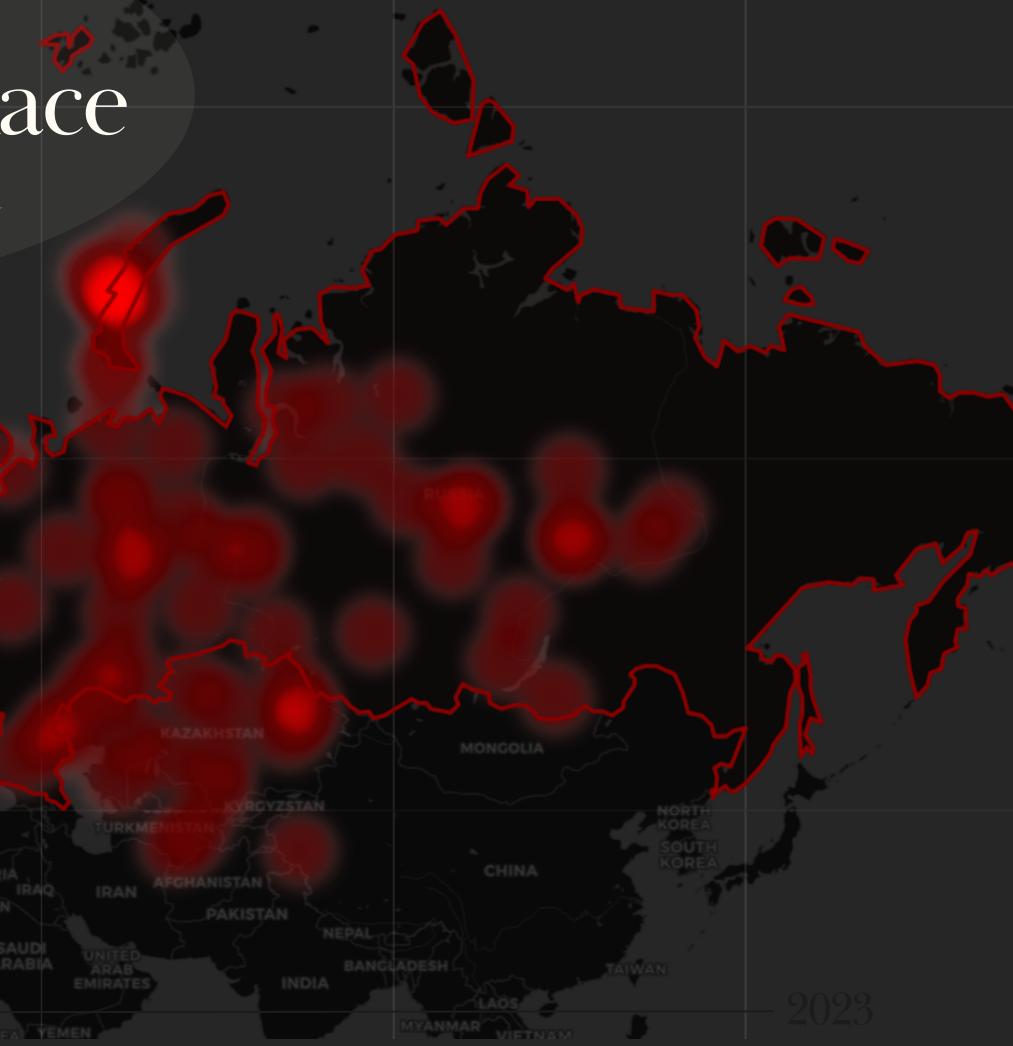
Dropped a total of: 714

Total Yield of: 370460

Kilotons

More than half although they dropped 1/3 of the bombs!





All Tests Summary

Total Amount of Nuclear Explosions Recorded: 2048

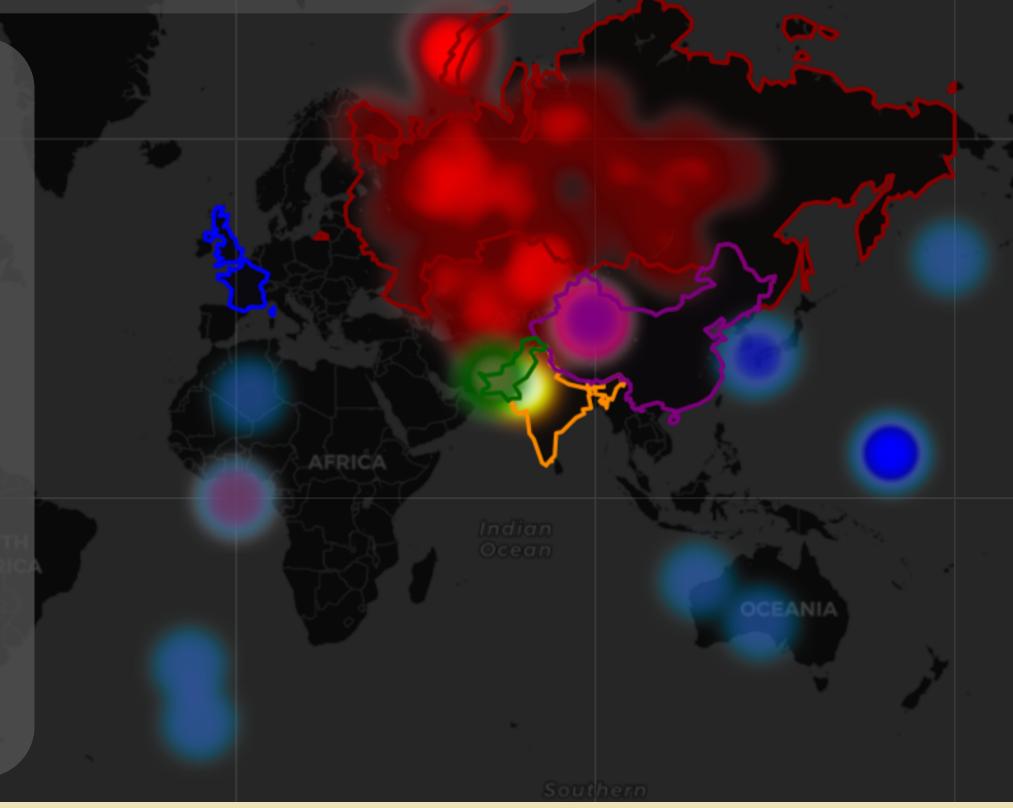
Explosions

Total Amount of Yield in Kilotons Recorded: 661740

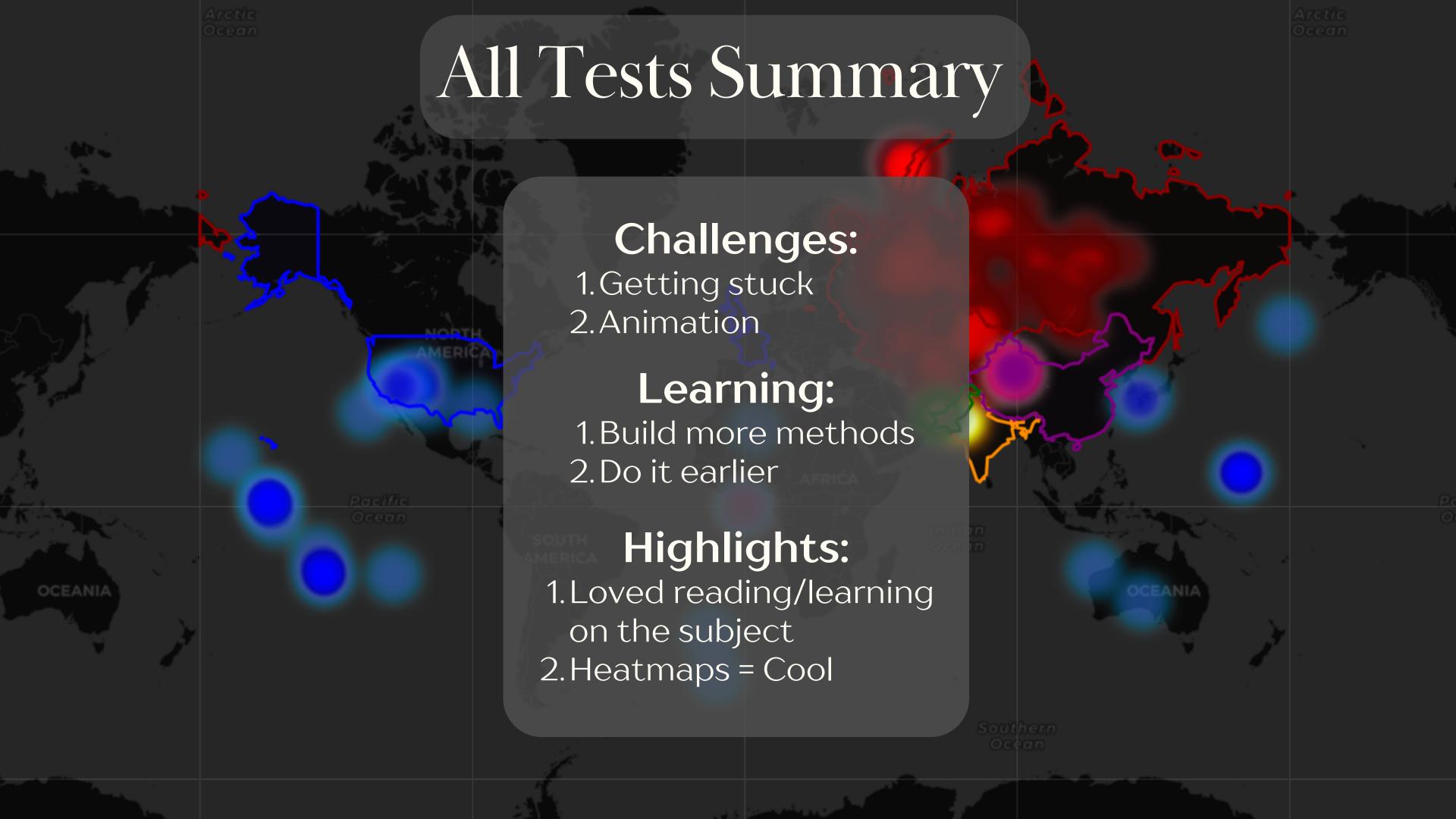
Kilotons

Most common detonation method: **Shaft** Ca 1100 detonations

Most absurd detonation method: **Atmosphere** Ca 200 Drops



1949 — 1961 — 2**000** — 2







SLIDES

- 1. regarding the first test and two first drops a.show the magnitude of each bomb in order i.and their dropsites on a heatmap
- 2.russia gets in the race
 - a.usa increases mil exp
 - b.TSAR bomba
- 3. all other countires that do their tests
- 4. warning of North Koreas Nuclear Tests
- 5. Warning that potentially the two superpowers with the most amount of nukes are having a proxy war
 - a. (nuclear arsenals, combined power and potential to destroy the whole world?)

6.

NOTES

 skulle kunna vara så att varje slide börjar med en heatmap som animerar alla bomber mellan tidhoppen (Samt en flash på kartan)

STATS TO HAVE:

- total per country
- heatmap for each country
- biggest bomb, tsarbomba
 - kiloton
 - o approx area

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