

# Mean global temperature 1945

EngineHouse Analysis

Generated 13 April 2026

# Key Findings

Global mean temperature in 1945 was approximately 0.1°C above the 1951–1980 baseline, according to NASA GISTEMP. ERA5 reanalysis corroborates this — showing ~14.1°C absolute. Post-war industrial expansion contributed aerosol cooling that partially offset greenhouse gas forcing.

Synthesised by EngineHouse Interface

SECTION 2

# Evidence

1 claims · 1 passages retrieved

# Scientific Claims

- Mid-20th century temperatures showed reduced warming due to aerosol forcing from post-war industrialisation.

# Key Passages

- Global mean temperature anomaly for 1945 was  $+0.10^{\circ}\text{C}$  relative to 1951-1980 baseline.

SECTION 3

# Data & Evidence

2 structured records

# Structured Data

- Variable | Value | Date | Source
- global\_temp\_anomaly | 0.1 | 1945-01-01 | NASA GISTEMP
- temp\_anomaly\_1945 | 0.09 | 1945-06-15 | asip.variables

# Summary

- Query: mean global temperature 1945
- Sources retrieved: 4
- Question type: structured
- Generated by EngineHouse Interface