

QUAD-IMPACT GLOBAL RESET PROTOCOL

Simulation: Four 60km Asteroids (N-Pole, S-Pole, 2x Equator)

1. The Four-Point Impact Event

This scenario involves a total kinetic energy release sufficient to bypass the "Impact Winter" cycle through pure thermal mass. By hitting both poles and two equatorial points, we achieve a global distribution of heat and volatiles.

- North & South Poles:** Release of the entire planetary volatile reserve (CO₂ and H₂O).
- Equatorial Sites:** Massive excavation of the Martian regolith, releasing trapped nitrates and minerals into the atmosphere.

2. Atmospheric Composition (T + 50 Years)

The atmosphere is no longer a thin veil but a dense, opaque, and chemically active envelope.

Gas Component	Concentration	Change from Baseline
Carbon Dioxide (CO ₂)	~82.0%	Released from South Pole & Regolith
Water Vapor (H ₂ O)	~10.5%	Released from North Pole & Permafrost
Oxygen (O ₂)	~4.2%	High-energy photolysis of H ₂ O/CO ₂

Gas Component	Concentration	Change from Baseline
Nitrogen (N ₂)	~2.5%	Released from equatorial rock vaporization
Argon/Trace	~0.8%	Diluted by mass injection

3. Global Temperature Dynamics

Total Greenhouse Runaway: Unlike polar-only hits, the equatorial impacts ensure that the planet does not fully enter an impact winter. The sheer volume of hot ejecta blanketed across the planet maintains a thermal baseline above freezing in the lower latitudes.

Region	Pre-Impact Temp	Post-Impact Temp (Equilibrium)
Equatorial Zone	+20°C (day) / -70°C (night)	+25°C to +45°C (Stable)
Mid-Latitudes	-50°C	+10°C to +15°C
Polar Regions	-130°C	-20°C

4. Major Consequences

A. Global Surface Pressure

Pressure reaches ****120-150 mbar****. This is roughly 15% of Earth's sea-level pressure. It is enough for humans to walk on the surface with only an oxygen mask and thermal protection (no pressurized space suit required).

B. Perpetual Cloud Cover

The 10.5% water vapor content creates a thick, global cloud deck. While this blocks some sunlight, the greenhouse effect is so strong that the planet stays warm. Massive, planet-wide thunderstorms occur daily near the equator.

C. The Ocean Formation

Water from the North Pole and equatorial permafrost drains into the Northern Lowlands (*Vastitas Borealis*), forming a shallow, global northern ocean covering roughly 1/3 of the planet.