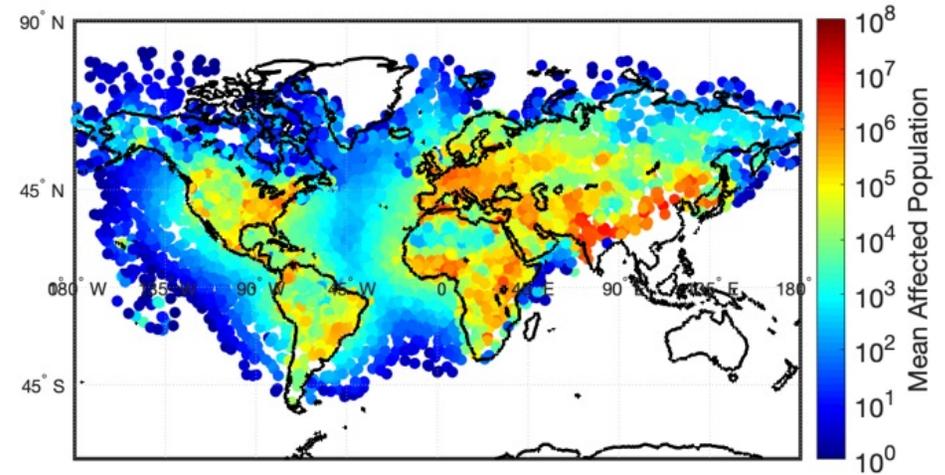


# 2021 PDC Impact Risk Summary: Day 1

## Characterization Summary & Updates

- Assessment date: 26 April 2021
- Potential impact date: 20 October 2021 (6 mo.)
- Earth impact probability: 5%
- Diameter: 35–700 m, ~150 m average
- Energy: 1 Mt – 13 Gt, 256 Mt
- Properties: unknown type or physical properties

## Impact Damage Map



## Hazard Summary

- Potential damage sizes, severities, and locations remain very uncertain
- Primary hazard: airburst/impact causing blast overpressure, from minor structural damage to potentially unsurvivable levels
- Damage radii: 0–470 km, ~90 km average
- Affected Population: 0–86M, 6k average
- 97% chance of no damage, with small chances of affecting thousands to millions of people

## Affected Population Risks

