

The Day After Tomorrow (2004)

Geological review questions based on the movie

This is a list of geological questions based on the movie *The Day After Tomorrow*. Some of the questions can be answered while watching the movie, while others will need extra research on the internet. Some will be both. This is to help broaden your understanding of the geological world and how Hollywood can distort basic scientific principles to make a hit movie.

1. How big was the ice-shelf that broke off in the movie?
2. Has something on this magnitude actually occurred in the past?
3. What is wrong with the “North Atlantic Current” as it is depicted in the movie?
4. The storms are referred to as “hurricanes” in the movie. Are these hurricanes?
5. If they are not hurricanes, could storms form in the manner described in the movie?
6. What actually happens when you sink air from the upper atmosphere?
7. Is it plausible (not probable) that jet fuel can freeze in the center of a storm?
8. What kind of wave is shown flooding New York City?
9. Is it possible for this type of wave to occur?
10. Would it be possible to flood New York City to the extent shown?
11. How does a typical glacier form?
12. Are these glaciers that are forming in the movie?