

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?
3. What is wrong with the “North Atlantic Current” on the board in the movie?
4. What type of storm is formed according to the movie?
5. Why is this unusual?
6. What type of storm does this storm more resemble?
7. What actually happens when you sink air from the upper atmosphere?
8. At what temperature does jet fuel freeze according to the movie?
9. Can you find any supporting evidence on the internet?
10. Is it plausible that jet fuel can freeze in the center of a storm (plausible not probable)?
11. How does a typical glacier form?
12. How does this compare to what is shown in the movie?
13. Is this thing ever even called a glacier in the movie?
14. What is the height of the “glacier” in the movie compared to that of one in real life?
15. Who is the Scientific Advisor for the movie?
16. Can you find on the internet what his specialty is?