

Web2PDF converted by Web2PDFConvert.com **Q:** Is the Earth in danger of being hit by a meteor in 2012? **A:** The Earth has always been subject to impacts by comets and asteroids, although big hits are very rare. The last big impact was 65 million years ago, and that led to the extinction of the dinosaurs. Today NASA astronomers are carrying out a survey called the Spaceguard Survey to find any large near-Earth asteroids long before they hit. We have already determined that there are no threatening asteroids as large as the one that killed the dinosaurs. All this work is done openly with the discoveries posted every day on the NASANEO Program Office website, so you can see for yourself that nothing is predicted to hit in 2012.

Q: How do NASAscientists feel about claims of pending doomsday? A: For any claims of disaster or dramatic changes in 2012, where is the science? Where is the evidence? There is none, and for all the fictional assertions, whether they are made in books, movies, documentaries or over the Internet, we cannot change that simple fact. There is no credible evidence for any of the assertions made in support of unusual events taking place in December 2012.

> Why you need not fear a supernova

> About super volcanoes

## Q: Is there a danger from giant solar storms predicted for 2012?

A: Solar activity has a regular cycle, with peaks approximately every 11 years. Near these activity peaks, solar flares can cause some interruption of satellite communications, although engineers are learning how to build electronics that are protected against most solar storms. But there is no special risk associated with 2012. The next solar maximum will occur in the 2012-2014 time frame and is predicted to be an average solar cycle, no different than previous cycles throughout history.

> More about solar storms

Addition information concerning 2012 is available on the Web, at:

- NASAAstrobiology Institute: "Nibiru and Doomsday 2012"
- Bad Astronomy. "The Planet X Saga: The Scientific Arguments in a Nutshell"
- Sky and Telescope Magazine: "2012: The Great Scare"





Page Last Updated: January 11, 2012 Page Editor: Jason Townsend NASA Official: Brian Dunbar  NASA Information on the American Recovery and Reinvestment Act of 2009
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Earth, as seen in the Blue Marble: Next Generation collection of images, showing the color of the planet's surface in high resolution. This image shows South America from September 2004.

