



Celebrating IYA (International Year of Astronomy)

<http://sunearthday.nasa.gov>

For Sun-Earth Day 2009, we will engage a worldwide audience in the celebration of the International Year of Astronomy (IYA), especially in daytime astronomy. Tremendous strides have been made as satellites and ground-based observatories attentively monitor the Sun to understand the processes that govern the Sun's influence on our solar system. Using the popular Sun-Earth Day framework we will offer a series of coordinated events to promote and highlight the Sun, its connection to Earth and other planets, and support the spirit of international collaboration. Planned activities for **Sun-Earth Day 2009, "Our Sun: Yours to Discover,"** include:

- **Space Weather Media Viewer:** a web tool that allows users to view multiple NASA satellite images of the Sun and Earth..
- **Space Weather Interactive Media Maker (SWIMM):** a web tool that helps educators and scientists create their own multimedia resource to enhance teaching and learning.
- **Telescopes for Solar Discovery:** webcasts and vodcasts (video podcasts) to describe NASA solar telescopes in space.
- **Solar Observations Around the World:** promote safe observation methods and daytime observations around the world.
- **Solar Week,** a week-long series of web-based activities, games, and online Q&A with scientists for middle school students.
- **Printed and Online Resources:** for educators, museums, amateur astronomers, and scientists.

Sun-Earth Day Themes

2009 – IYA: *Our Sun: Yours to Discover*
 2008 – IHY: *Space Weather Around the World*
 2007 – IHY: *Living in the Atmosphere of the Sun*
 2006 – *Eclipse in a Different Light*
 2005 – *Ancient Observatories, Timeless Knowledge*
 2004 – *The Transit of Venus*
 2003 – *Live from the Aurora*
 2002 – *Celebrating the Spring Equinox
 and Native American Perspectives*
 2001 – *Having a Solar Blast/Total Solar Eclipse*

Key Concepts for Sun-Earth Day 2009: "Our Sun: Yours to Discover:"

- ✧ *We live in the atmosphere of a dynamic, magnetic star that interacts with the Earth and the planets beyond.*
 - *The Sun and its impact on the solar system can be understood through studies of universal processes that combine disciplines.*
- ✧ *There is beauty, relevance, and significance in space science.*
 - *The Sun, solar system, and Universe beyond have always been important to humans of all cultures.*
 - *Human beings from diverse cultures have viewed the Sun as the source of life.*
- ✧ *Human beings use technology (past, present, and future) to make discoveries about the Universe.*
 - *Celebrate the 400th anniversary of Galileo's pioneering use of the telescope.*

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