



SOS Explorer™ Mobile

NOAA's freely available mobile app that immerses users in more than 100 global environmental datasets



Tsunami Awareness



Tsunami Science



Sample datasets:

Recent Hurricane Seasons
Bird Migration
Earthquake Activity
Snow and Ice
Ocean Currents
Historical Tsunamis
Facebook Friendships
Air Traffic
Planets of the Solar System
Climate Change Models
360° Underwater Imagery
Narrated Movies
...and so much more!



sos.noaa.gov/SOS_Explorer

Explore Earth and Space from anywhere!

Features include:

- Free, easy download
- Streaming, high-resolution datasets
- Educational videos
- User-guided tours
- Analysis tools
- 100+ datasets
- Global and flat map views
- Webpage for phenomena-based learning modules
- Compatible with Apple and Android devices

Try it for free!

Download the app from Apple or Google Play stores.



What is it?

SOS Explorer (SOSx) Mobile is a free, flat screen mobile app version of the popular NOAA Science On a Sphere(r) (SOS). This revolutionary software takes SOS datasets, usually only seen on a 6-foot sphere in large museum spaces, and makes them accessible, portable, and interactive anywhere. SOSx Mobile can immerse the user in animated images such as Saturn's rings, atmospheric storms, climate change, and ocean temperatures to help explain sometimes complex environmental processes in a way that is intuitive, captivating, interactive, and entertaining. A desktop version, called SOS Explorer, is also available. Contact getsos@noaa.gov to purchase the exhibit-quality desktop application, which includes VR, real-time data, and the ability to add your own content.

How does it work?

Using their own personal mobile device, users choose which visualizations they want to explore from a list of more than 100. The global visualizations can be viewed on a virtual globe or as a flat map at the press of a button. Visualizations are live streamed and cached for quick, high resolution playback. Colorbars, labels, and text boxes are displayed for explanation and can be moved, resized, and hidden by the user for better viewing. The search window slides into view when in use and then slips away for optimal interaction with the selected visualization.

Who uses it?

Educators, students, and science lovers of all ages!

Download it today!

Look for SOS Explorer Mobile in the Apple App Store or Google Play Apps.

