

SOS Explorer™

NOAA's interactive display system that immerses users in more than 100 global environmental datasets

Sample datasets:

- Aurora 3D
- 2017 Solar Eclipse Simulation
- Humpback Whale Migration
- Satellite Models - Real-time
- Air traffic
- Facebook friendships
- Real-time weather
- Snow and ice
- Ocean currents
- Planets and moons
- Climate change models
- Narrated movies
- ...and so much more!

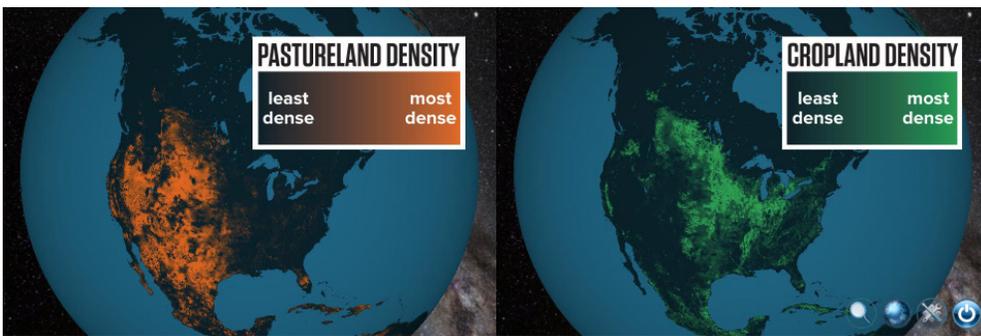
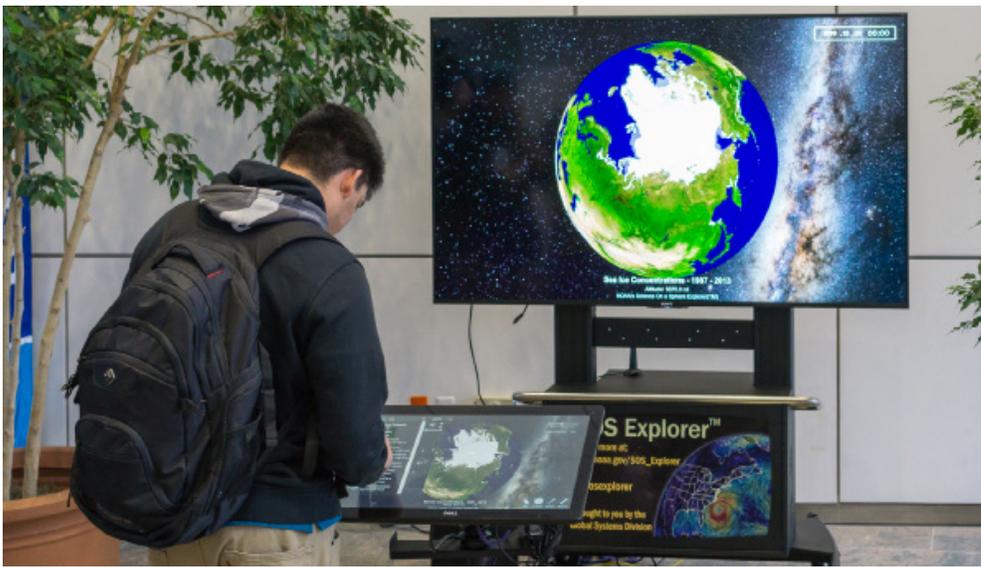
Immerse yourself in Earth and space

Features:

First-person experiences
Touchscreen interface
Virtual Reality capability
Educational videos
User-guided tours
Analysis tools
4K graphics
130+ datasets



sos.noaa.gov/SOS_Explorer



What is it?

SOS Explorer (SOSx) is a flat screen version of the popular Science On a Sphere (SOS). The revolutionary software takes SOS datasets, usually only seen on a 6-foot sphere in large museum spaces, and makes them more accessible, portable, and interactive. SOSx 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, and entertaining.

How does it work?

Using the intuitive touchscreen interface, or through the Virtual Reality goggles, users choose which visualizations they want to explore from a list of more than 130. The global visualizations can be viewed, on a virtual globe, as a flat map, or in 3D with goggles at the press of a button. The interactive visualizations are displayed on the touchscreen and also mirrored on the large display for others to view. Colorbars, labels, and text boxes are shown on the large screen only, while the search window and other user interfaces show up only on the touchscreen. The result is an exhibit that can be controlled by one person and enjoyed by many.

Try it for free!

SOS Explorer Lite:

sos.noaa.gov/

SOS_Explorer/download.html