

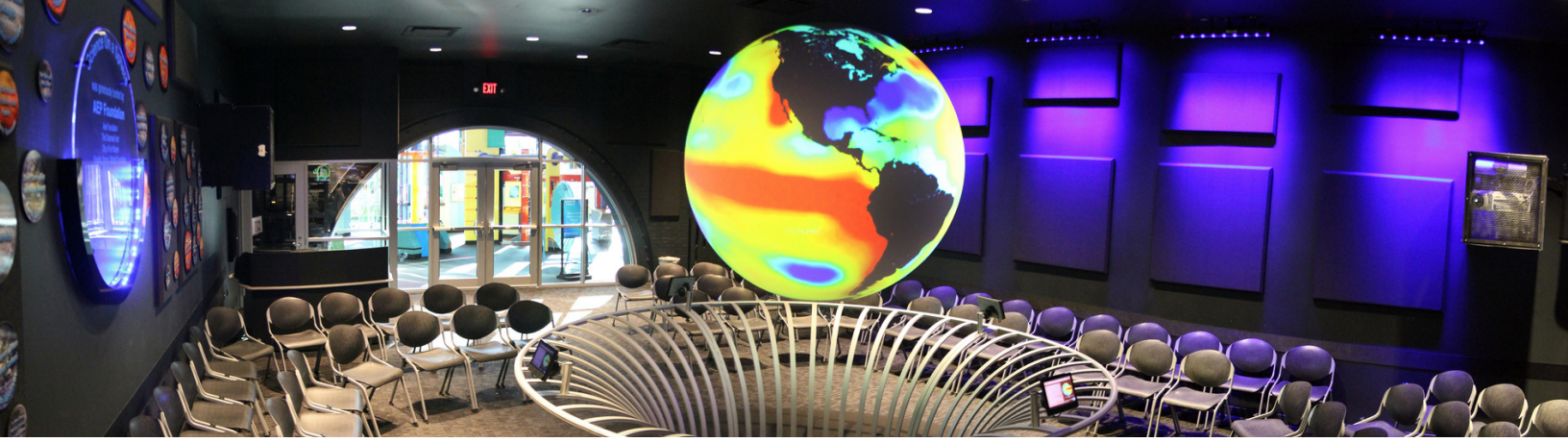
BWC VISUAL TECHNOLOGY

# SCIENCE ON A SPHERE



Liscenced NOAA Distributor

8325 Old Marlboro Pike Suite A9  
Upper Marlboro, MD 20772 USA



## What is Science On a Sphere? (SOS)

SOS is a large visualization system that uses computers and video projectors, to display animated data onto the outside of a sphere.

The animated globe shows dynamic images of our atmosphere, oceans, land, space planets and more.

It's a state of the art education and outreach tool that describes the environmental processes of Earth and our Universe.



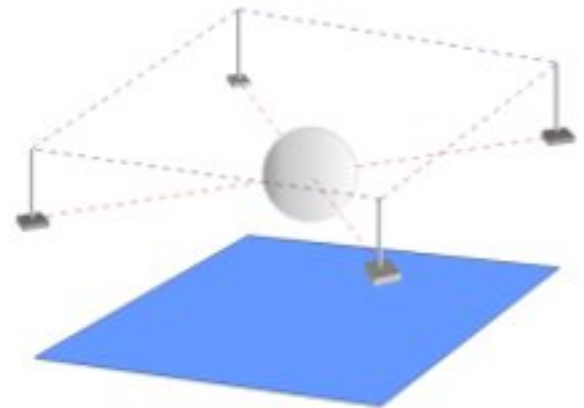
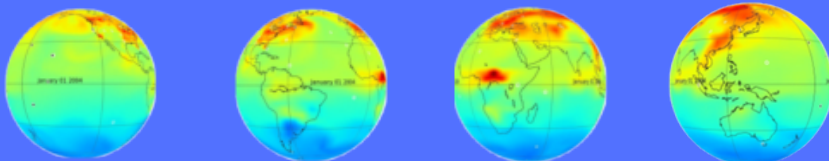
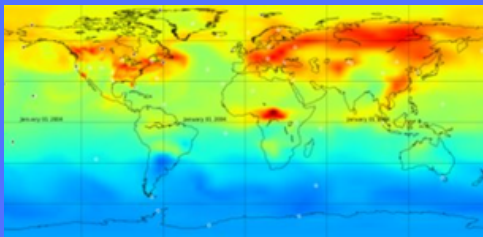
# HOW SOS WORKS

## PROJECTIONS ON A SPHERE

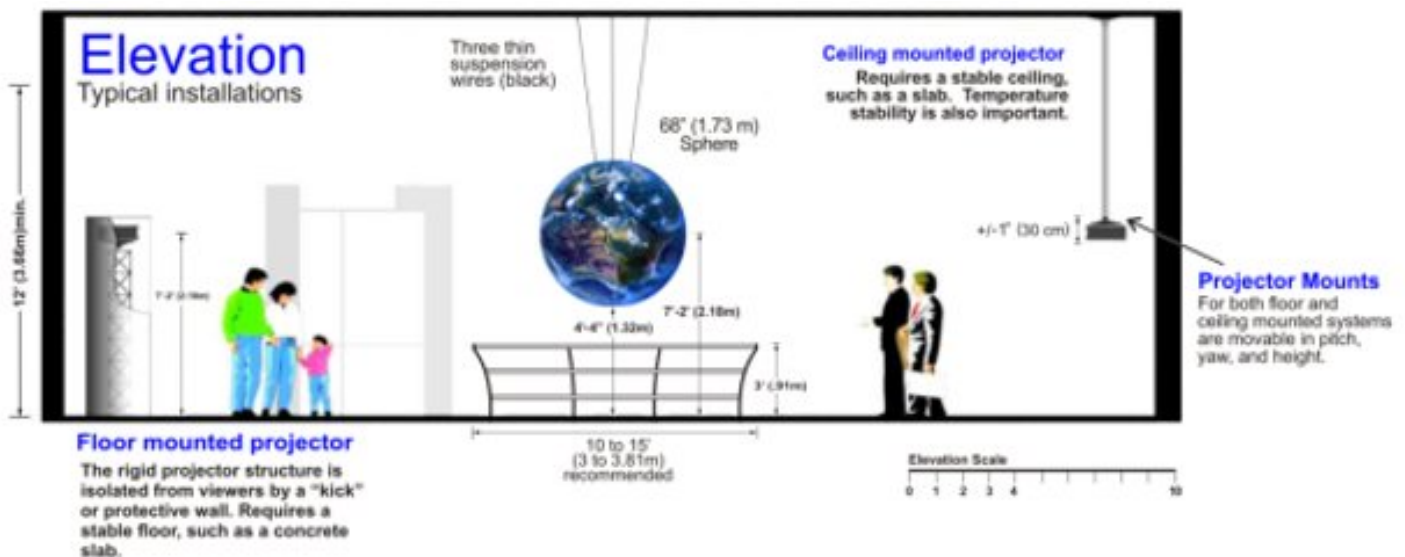
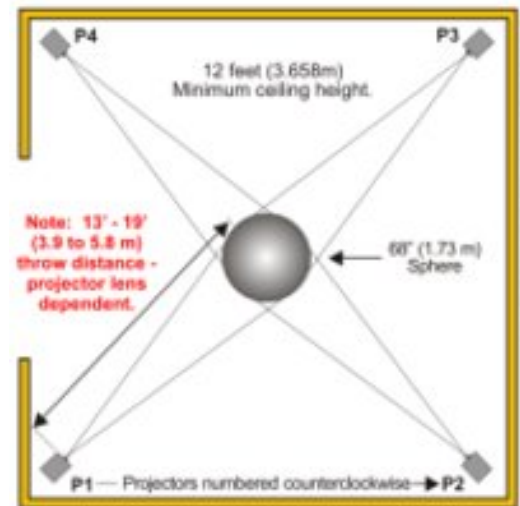
- 68", 60" and 48" carbon fiber spheres
- 2, 3, or 4 projectors
- One Linux based computer, plus one spare
- Proprietary software

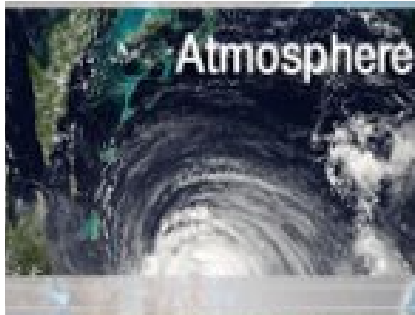
## WRAPPING AN IMAGE

SOS software renders Lat/Long maps into four spherical images for the projectors to display



Perspective view of Projectors and Sphere





## Dataset Catalog

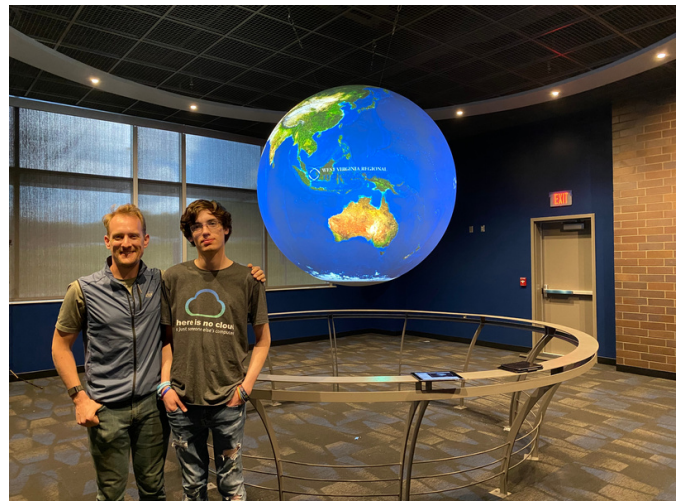
- Over 500 Standard Datasets
- Over 40 Movies produced for SOS
- Over 30 Real-time Datasets
- Categories: Atmosphere, Land, Ocean,
- Astronomy, Models & Simulations, Extras



# About BWC Visual Technology

- Authorized SOS Distributor and Installer
- Manufactures the carbon fiber sphere
- Installed over 100 SOS systems worldwide
- Provide technical specifications for hardware required to build a complete SOS system
- Provide detailed installation and technical requirements
- Knowledge of equipment specs and installation logistics
- On staff SOS tech support
- Supply customized content and dataset service
- Developed specialized tools & techniques for a successful SOS installation
- Work with customer staff to ensure that the site requirements are met
- Provide upgrades to the SOS system software as they become available

**WE ARE THE  
SUBJECT MATTER  
EXPERTS FOR THE  
SCIENCE ON A  
SPHERE**





*The World Leader For  
Science On a Sphere™*

## **INQUIRIES**

john@bwcviz.com

jesse@bwcviz.com



[www.bwcviz.com](http://www.bwcviz.com)