

National Oceanic and Atmospheric Administration

Science On a Sphere

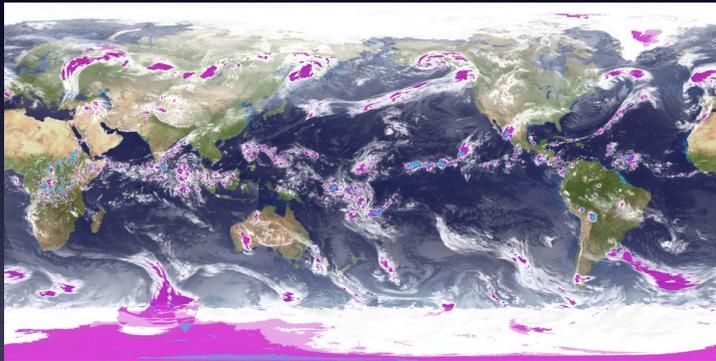
01/22/2007

Release Highlights

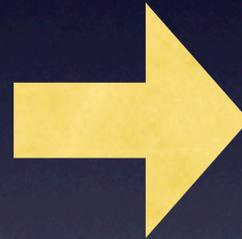
- Version 2.1.5
- It's Our First Major Upgrade
- December 2006 Release Date
- Currently Installed At Several Sites
 - Boulder, JMU, MCSI, TheTech, Imiloa, Bishop, Alpena, Others

Dynamic Rendering

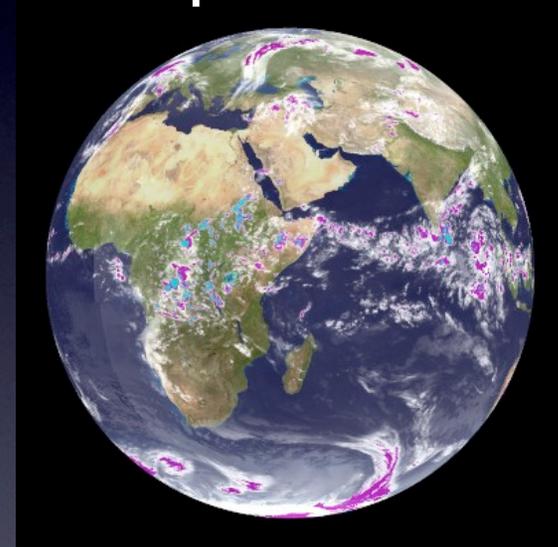
Cylindrical



Direct Display



Spherical



Benefits?

Eliminates SOSRendering

Conserves Disk Space

Only Cylindrical Images Are Stored

Images Stored On The Control Machine

No Need To Push Images To The Display Machine

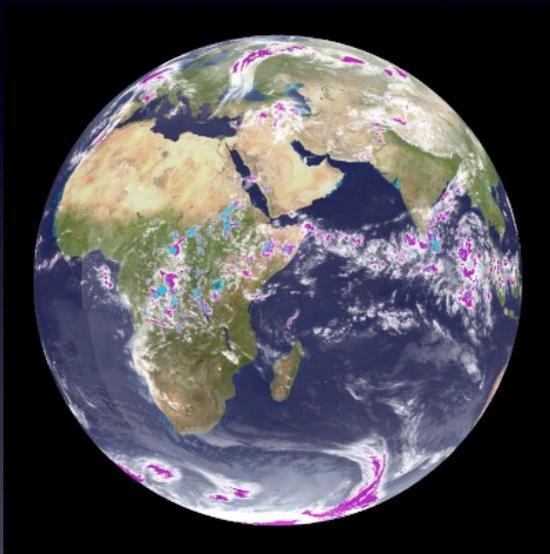
Saves Time

No Rendering

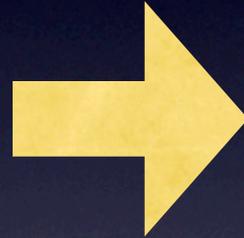
No Pushing

No Fuss

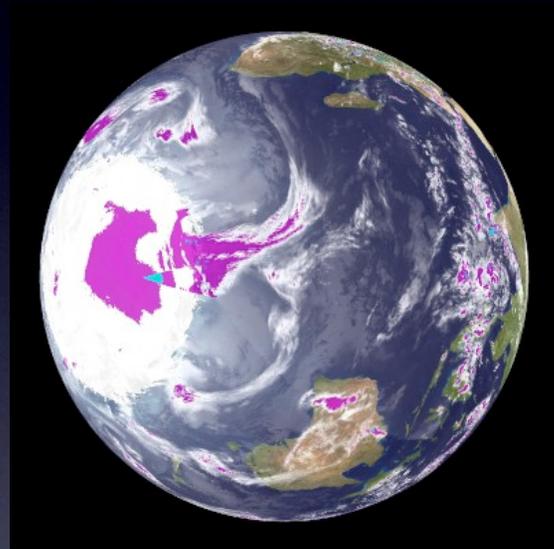
Dynamic Display Control



(x,y,z)
Rotation



RC or Playlist



More Flexibility For Display Of Content

New Image Containers

Current and Still Supported Format: JPEG, TIFF, PNG

New Container: MPEG

Cylindrical Maps Can Be Stored As An MPEG

Saves Storage

Reduces Clutter

Easier To Store For Case Data

A Little More Work To Create

Build Them With QuickTime Pro Or

Linux FFMPEG

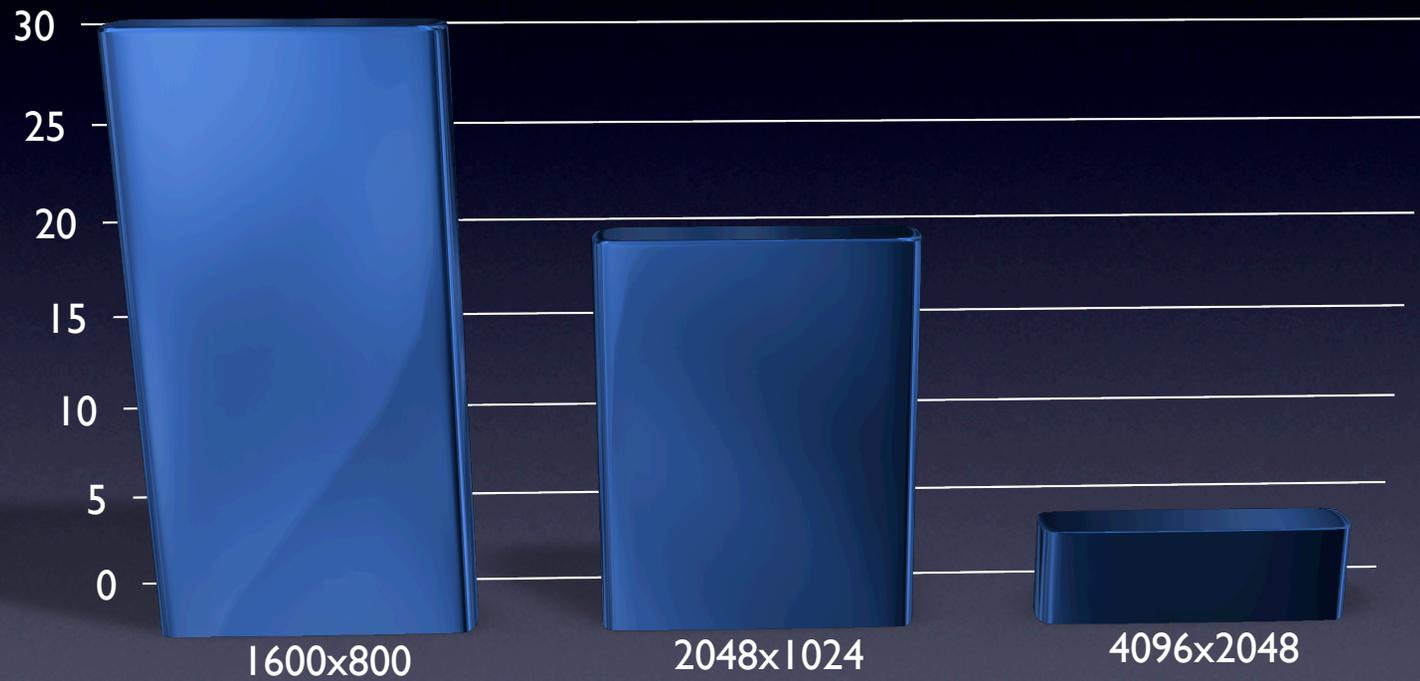
Limitations

Trade-off Between Resolution and Frame Rate

As Resolution Increases, Frame Rate Drops

Frame Rate / Resolution Trade Off

■ Frames/Second



We Continue To Look At
Optimizations For Higher
Frame Rate

Automation Control

- Existing Feature
- Provides For Network Control Of SOS
- More Robust
- Used By Main SOS Interface
- Users Can Write Custom Control Apps
- The Tech and SMM Have Written Demo Applications Using

The End

Last Slide