

Operation and System Administration

1. Overview

- Basic Setup – One sphere, four projectors, one computers
- Projector numbering
- Graphics Cards
- All of the computer Ubuntu Linux and software from NOAA

2. System Specifications

- Each node is a standard computer with mid to high-end graphics hardware and two Ethernet cards
- The nodes are generally identical from a hardware perspective to allow for easy swapping of the components
- The projectors are classified as “board room” projectors and they specified to produce a high light output (Lumens), typically 3500 to 5000 Lumens

3. Science On a Sphere Network

- The SOS computers are on gigabit network that is private and non-routable
- The computers runs a kernel based firewall package and is set to drop all incoming connections except for secure shell access

4. Backups

- All of the displayable data, playlists, and alignment configuration files are archived to the spare
- Custom datasets developed by the site should be archived by the site
- The SOS software and the displayable data is retrievable from NOAA

5. System Maintenance

- It is recommended to leave the computers on continuously
- Projector Maintenance
- Computer Maintenance

6. User Accounts

- In Linux, every process that is run must have a user id
- There are three main user id's for the SOS system
- User id: sosdemo
- User id: sos
- The super user in Linux (like the administrator in Windows) is root

7. Remote Login

- TeamViewer is used by the SOS Support Team
- The site provides log in information to the SOS
- The SOS team will only log in at the request of the site and at a schedule time when it is convenient for the site.