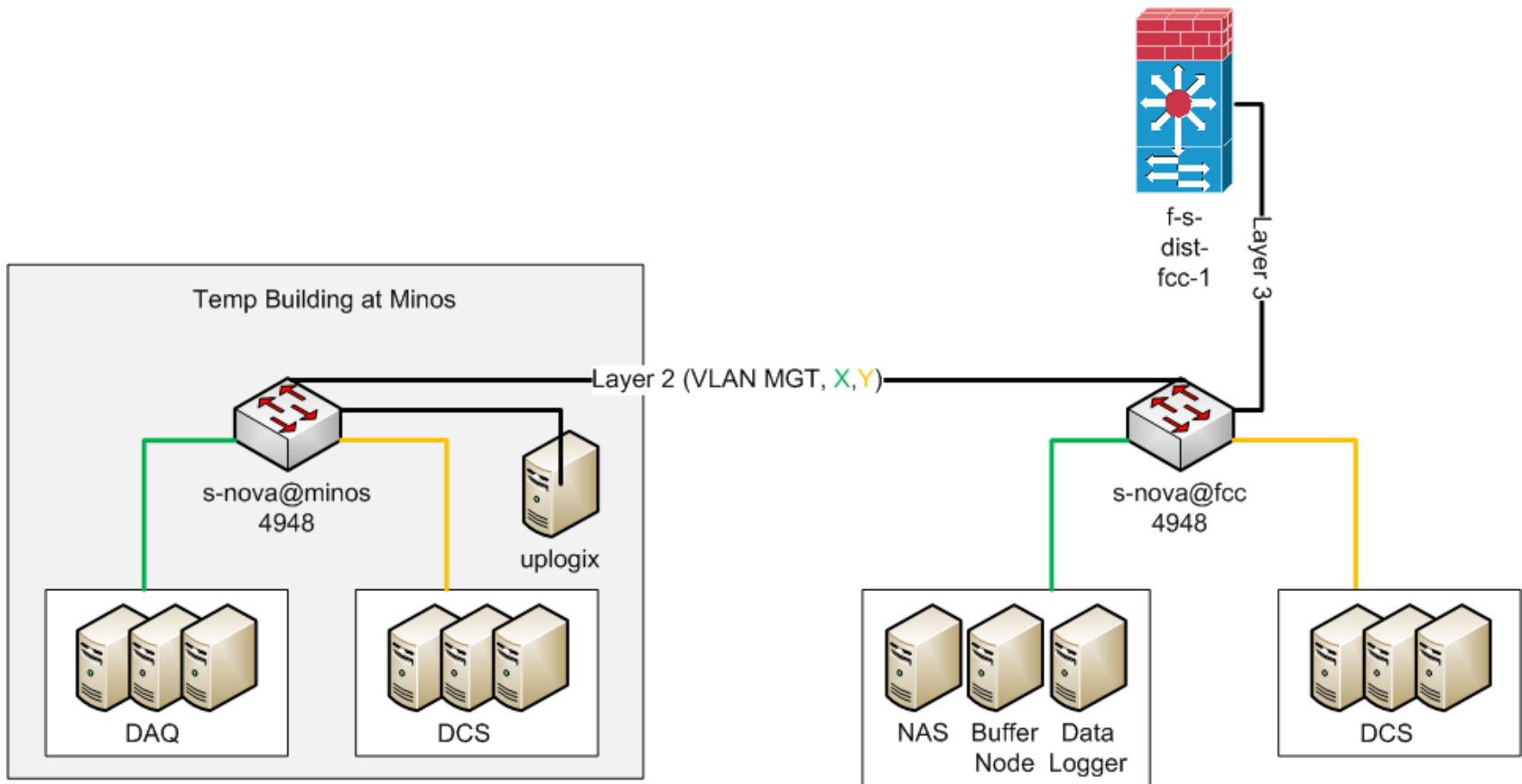


Networking Update

Andrew Rader
January 2010

- NOvA update
- Soudan Mine update
- FNAL network update
- Network Support
- Budgeting

NOvA Networking



Soudan Mine Services

- DNS/DHCP: new Infoblox server going production in the coming months.
- New console access device with disaster recovery capabilities being installed.
- Local NTP server.

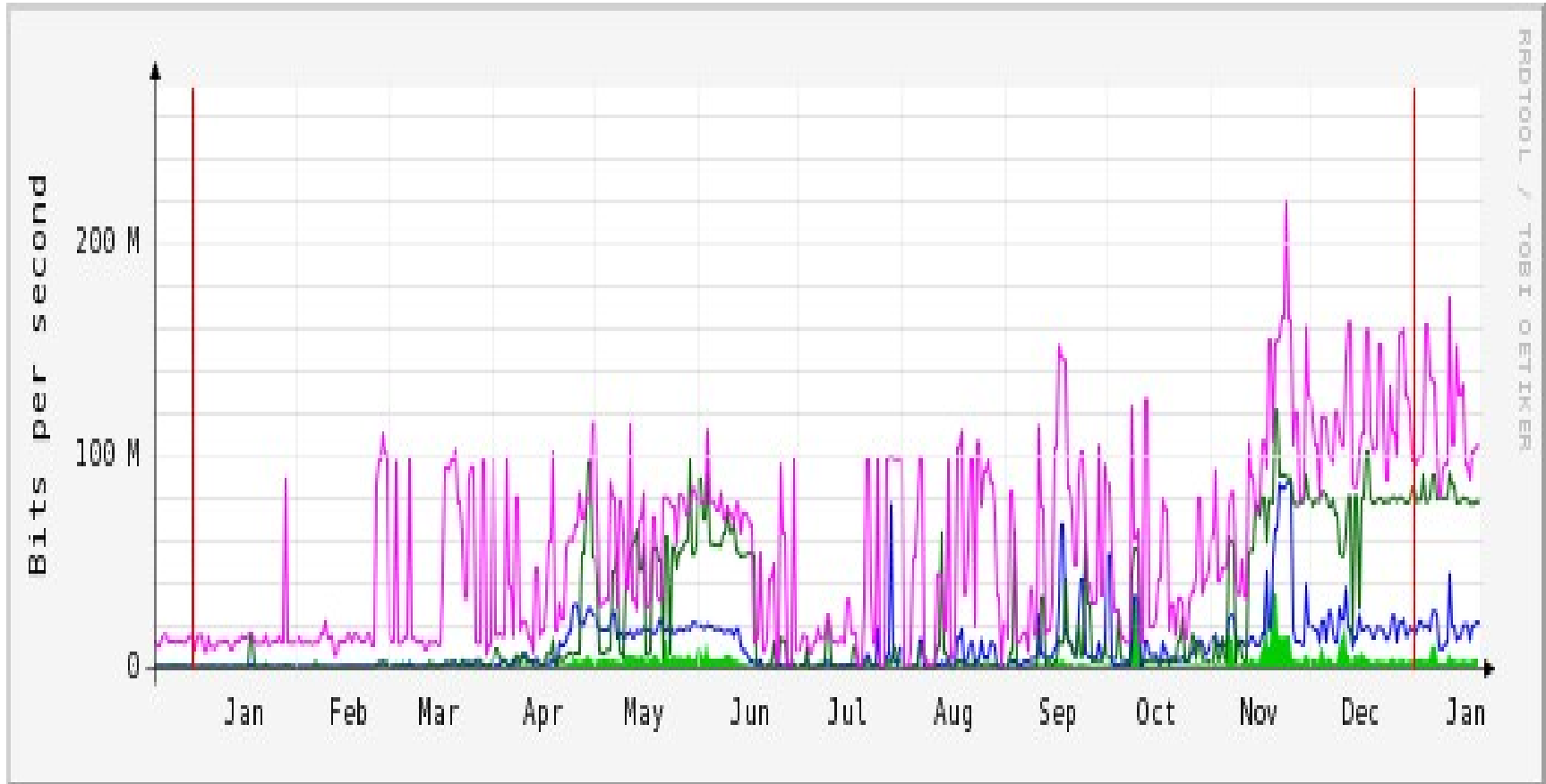
Soudan Mine Networking

- Equipment is near end of life / end of support.
- Upgrade this year was cut from the budget.
- Upgrade is high priority for FY 2011.
- Need new router and new access switches to support all internal links at 1 gigabit.

FNAL MINOS Network

- Current switch is due for upgrade to support new experiments.
- Upgrade will increase capacity and provide redundancy (as budgets permit).
- Current uplink is two X 1-gigabit, with one active and one standby.
- Current uplinks are sufficient for current traffic.
- Planning for future:
 - Channel together the two uplinks
 - Add more as needed

Uplink from Tunnel to Surface



1/25/10

12th Floor Control Room

- Current 3750 switch is nearing capacity.
- Adding second 3750 to provide some level of redundancy.

Network Support

- 24x7 support for all critical connections
 - Loss of experimental data
 - Large clusters of systems down
- 8x5 support for other network issues
 - Single user or small workgroup can't connect
 - VPN support, other end client issues
- **Please route all requests through the servicedesk.**

Value Added Services

- Network design and implementation consultation.
- Network installations.
- Networking equipment hardware maintenance and spares pool.
- Network infrastructure support, fiber optic plant engineering.
- Proactive network health monitoring.
- Troubleshooting and support services.

BLI's for Networking

- Please include **B**udget **L**ine **I**tems for Networking when you plan.
- Please request budgetary estimates from Networking.
- Please bring us into the loop sooner rather than later!

Help Us to Help You!

- What are your expected bandwidth requirements over the next year? 5 years?
- How many network ports will you need underground in the next year? 5 years?
- Please don't bring in network cables and switches from off-site. Please use Computing Division provided cables and equipment. They have been tested and certified. You also benefit from our value added services.

Q & A?