

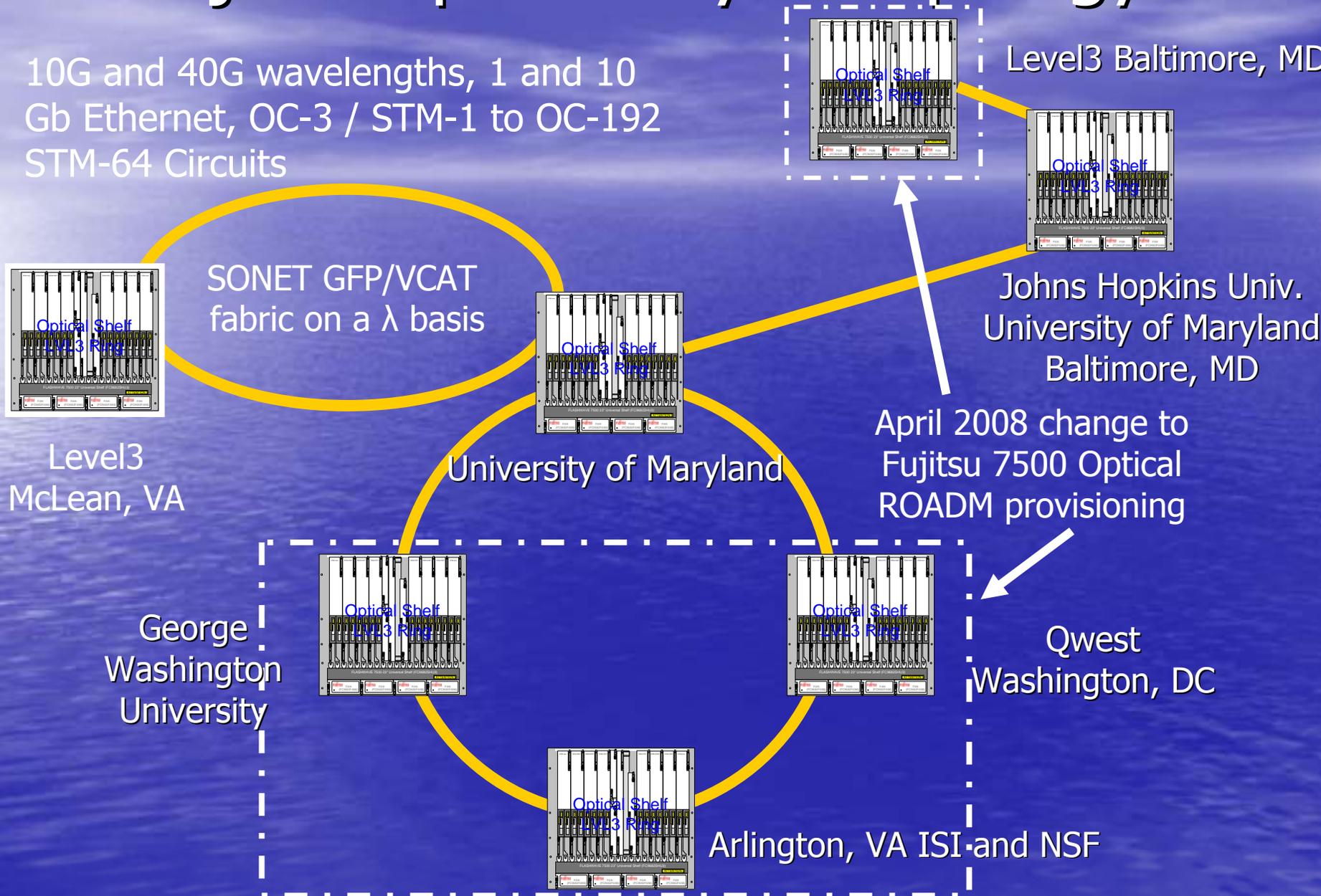
Mid Atlantic Crossroads NGIX - East



GLIF Technical Group Meeting
Honolulu, HI
January 20th, 2008
Matt Siniscal

Fujitsu Optical Layer Topology

10G and 40G wavelengths, 1 and 10 Gb Ethernet, OC-3 / STM-1 to OC-192 STM-64 Circuits



Ethernet Layer Topology

STARLIGHT

Chicago
10G LAN PHY
CaveWave

AWAVE NY 10G
MANLAN

May 2008

MIT Boston, MA
Switch

New York, NY
Switch

Baltimore, MD
Switch

Internet 2
10G

Cisco 6509
Level3
Switch

20 GbE
currently

Cisco 6509
NGIX
Switch

GEANT
OC192

NLR
10G

GWU, Georgetown
Switch

20 GbE
currently

Qwest
Switch

AWAVE Miami

10G LAN PHY

NSF, ISI
Switch

GOLE Related Activities

- RNP (Brazilian Network) and CLARA (Latin America Cooperative Network) will be first to connect to CERN via Starlight and NetherLight by February 2008
- MIT wavelength exchange and switches colocated in Baltimore, New York and Boston POPs in April 2008
- GMPLS enabled VLSR switches through DRAGON group in June 2008
- VLANs currently provisioned by agreement to migrate to VLAN translation