

# Video Initiatives on the Data Network

Julian Y. Koh

Northwestern University  
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# Outline

- Ancient History
- Recent History
- Shared multicast channel lineup
- DirecTV MFH3



# Ancient History

- 2000
  - C-SPAN multicasts using Vbrick
- 2002
  - NUTV deployment using Video Furnace
  - 20 channels to start

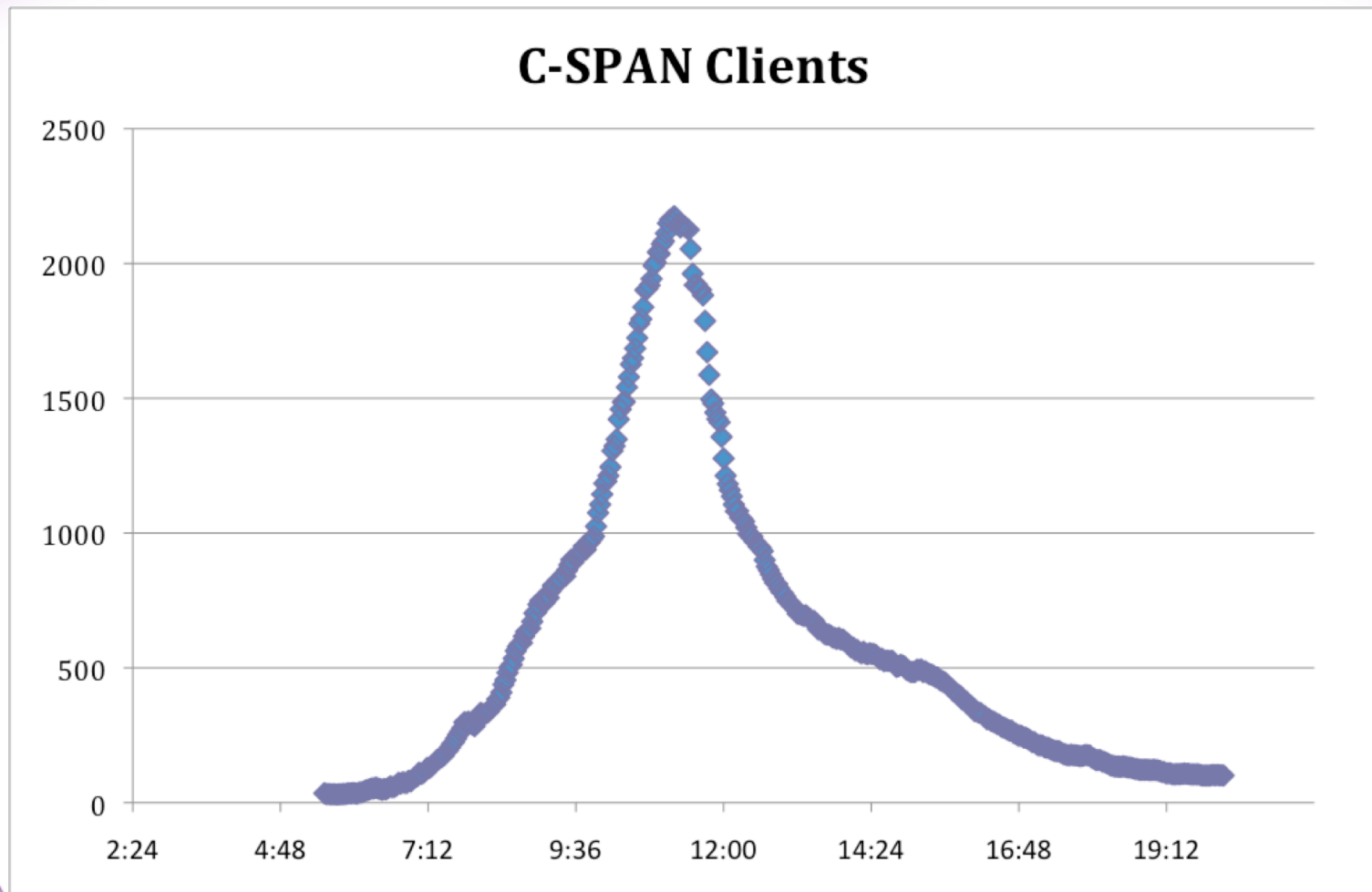


# Recent History

- 2006-7
  - NUTV expansion to 37 channels
  - Input signals changed from Comcast to DirecTV
- 2009
  - ~2000 client machines around the world watch US Presidential Inauguration on C-SPAN



# Inauguration Statistics



# Shared Channel Lineups

- Collaborative effort between NIU and NU
- NIU buys 10 channels as well as streams 10 channels from NU
- NU streams 10 channels from NIU
- Lower costs for everyone
- Lower barriers to entry
- Fosters richer interconnectivity



# Shared Channel Lineup Issues

- Robust Connectivity and Peering
  - L2 VLAN via MREN at 710 N. LSD
  - Direct BGP peering
- Support/Communications
- Coordination of lineup changes
- Geographic limitations



# DirecTV MFH3

- MFH3 system encapsulates DirecTV satellite signals in IP multicast
- Full DirecTV experience with familiar SD and HD receivers
- Rollout planned for Q1-2009



# Questions?

- <http://www.i2-multicast.northwestern.edu>
- [i2-multicast@northwestern.edu](mailto:i2-multicast@northwestern.edu)
- [kohster@northwestern.edu](mailto:kohster@northwestern.edu)

