

Network Update for LONI Management Council

Network Accomplishments

- Higher-Ed Connections: Commissioned SU System Private WAN, Commissioned redundant peering with SU-Shreveport, Activated a backup Internet connection for LSU HSC New Orleans,
- LCTCS Connections: Commissioned LCTCS Private WAN for SunGard's Hosted Service, Commissioned Deglado's redundant WAN, Moved LTC Winnfield, LTC Ferriday and LTC Bastrop Airport, Add FTCC Schriever.
- Partners: Collaborating with DOTD on fiber improvement in Baton Rouge and New Orleans, along the Northshore as well as discussion on a new I-49 and now a new I-20 permittee.
- General: MissION is still planning to move off of LONI before fall semester. Decommissioned ULL P5 router. World IPv6 Launch Day – June 6, 2012. Internet2 DYNES perfSONAR – 2 measurement nodes installed with 5 more left to be installed.
- NSF-EPSCoR-C2: Fiber construction bid as been awarded to GM Cable Contractors
- Fiber to Nicholls State: Fiber bids open June 20th
- Research: NSF Campus Cyberinfrastructure – LSU submitted two, Tulane submitted one and SUBR submitted one. LIGO has moved to directly connecting to LONI. 1000Mbps connection to LCRC
- Internet: 7Gbps today still waiting on delivery of an additional 3Gbps
- Internet2: PAG-R priorities: Innovation Platform Initiative, Virtual Organizations, Large Data Transfers, Net+ implications for research activities and Researcher Rotator Program - <http://www.internet2.edu/research/rotator-program.cfm>

Short-term Plans:

- Decommission P5 routers at SUBR
- New LTC Greensburg
- Move the LONI PoP at McNeese
- Move LPB's Lafayette Transmitter connection
- Science DMZ workshop

Long-term Plans:

- LONI PoP at Venyu in Bossier City at CIC as well at DPS
- LONI network data in GIS
- perfSONAR Training

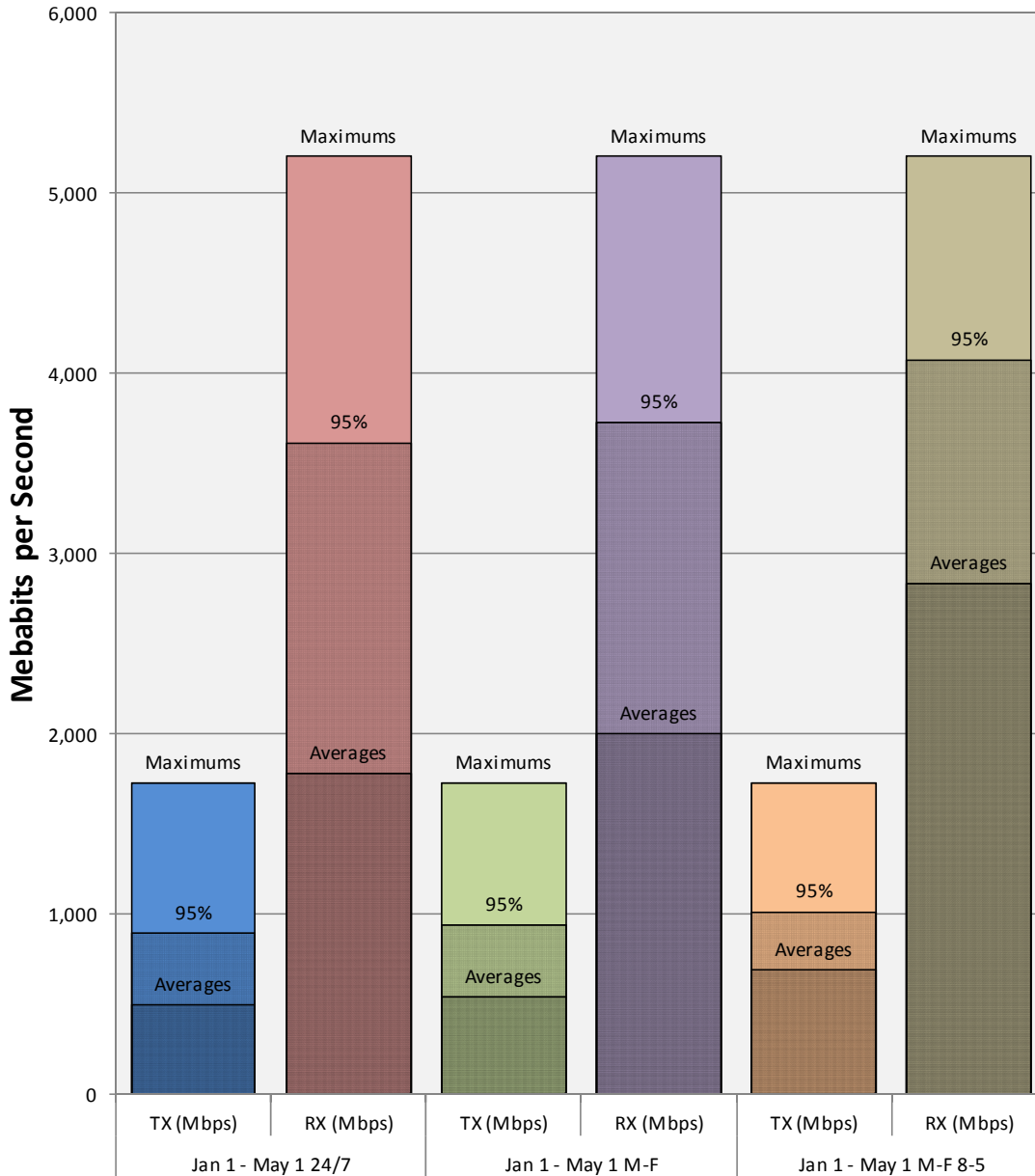
Events:

Issues:

- **2015/2016 – Fiber and Equipment(Network and HPC) Hole**

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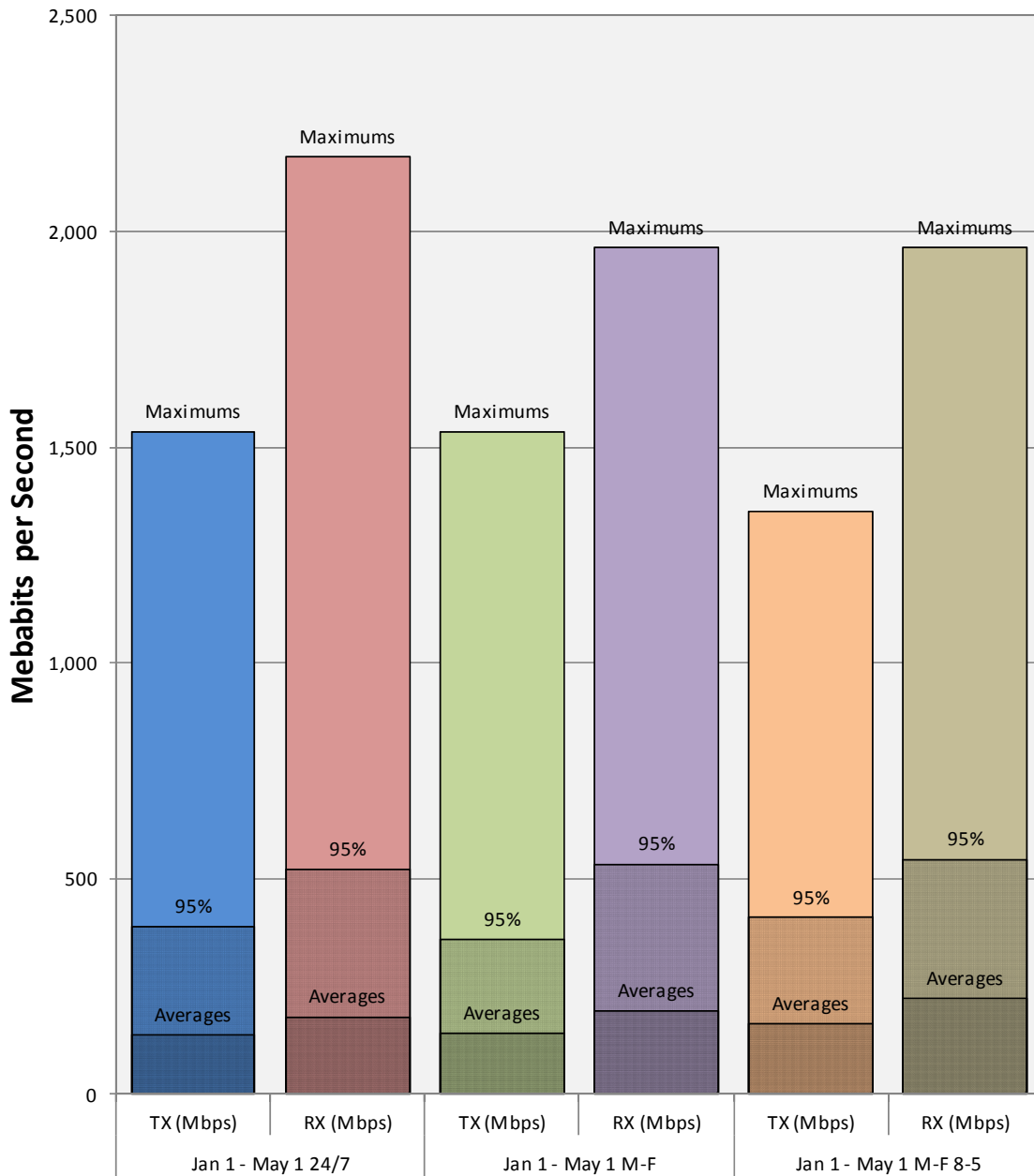
Following a letter by Donnie Vandal to this body dated on March 2, 2012, the LONI Network Team has been collecting and analyzing the data the institutions have been consuming compared to their Internet subscription. We are not prepared at this time to offer a comprehensive assessment of our findings but I have provided the view of the data from an aggregate viewpoint. You will notice that currently we bill the institutions for a total of 3.727 Gbps but the 95% utilization is 4.078 Gbps.



Customer: Circuit: Aggregate Internet

	Jan 1 - May 1 24/7		Jan 1 - May 1 M-F		Jan 1 - May 1 M-F 8-5	
	TX (Mbps)	RX (Mbps)	TX (Mbps)	RX (Mbps)	TX (Mbps)	RX (Mbps)
Maximums:	1,732	5,203	1,732	5,203	1,732	5,203
95 Percentile:	895	3,617	941	3,729	1,016	4,078
Averages:	498	1,783	542	2,005	692	2,838

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Customer: Circuit: Internet2 Research Traffic

	Jan 1 - May 1 24/7		Jan 1 - May 1 M-F		Jan 1 - May 1 M-F 8-5	
	TX (Mbps)	RX (Mbps)	TX (Mbps)	RX (Mbps)	TX (Mbps)	RX (Mbps)
Maximums:	1,534	2,172	1,534	1,961	1,351	1,961
95 Percentile:	389	521	358	534	409	545
Averages:	137	180	140	193	162	222