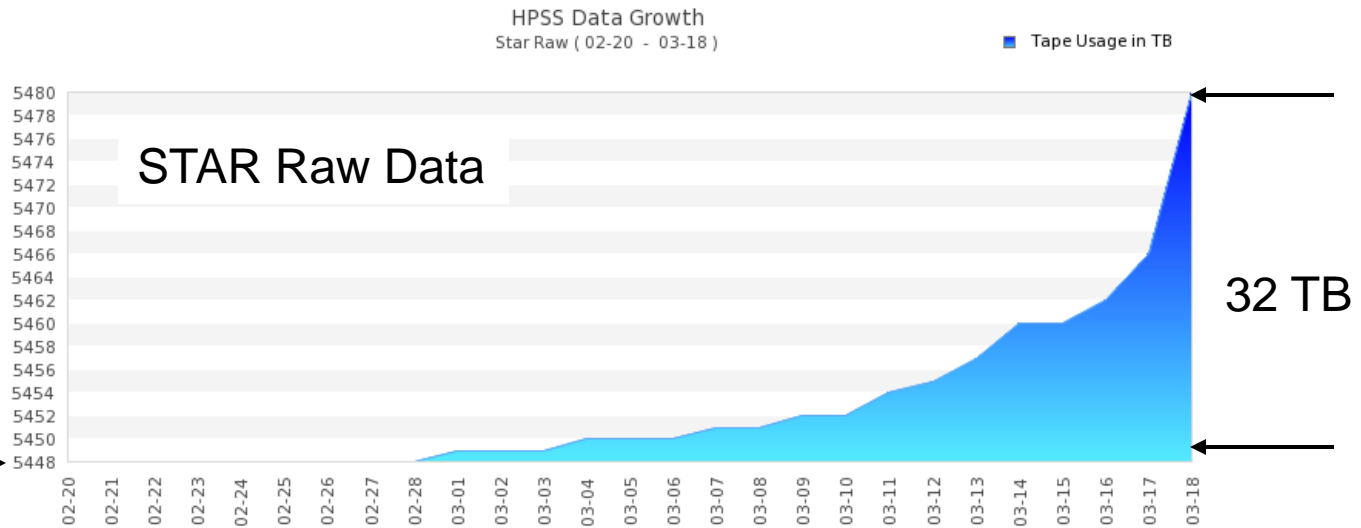
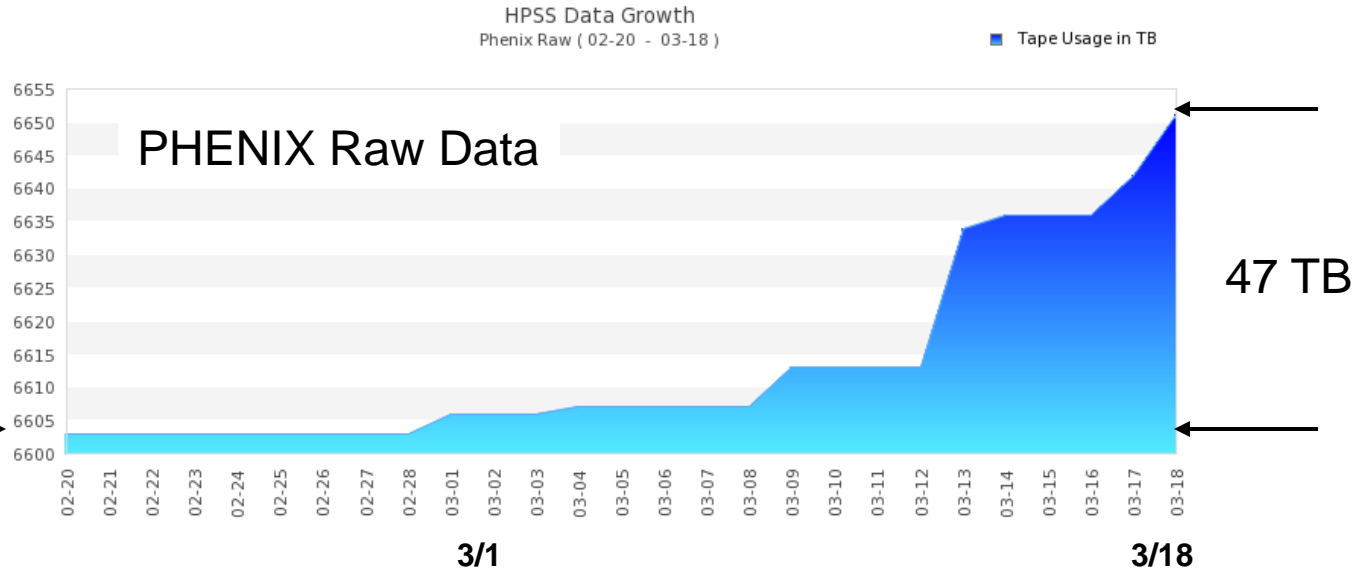


RCF Status

- RCF upgrades and activities in 2012 in preparation of Run13
 - Have 32 LTO-5 Tape Drives (~100 MB/s per Drive/1.5TB per cartridge) installed in tape libraries
 - 11k unused cartridge slots available (~16 PB)
 - Have doubled STAR CH/RCF network B/W (10 => 20 Gbps)
 - During Run12 link utilization reached >90% at times
 - Existing Fiber Infrastructure not sufficient due to broken/"blind" fibers
 - New cable (72 fibers) from BCF via 911 to 1006 (STAR) and 1008 (PHENIX)
 - STAR CH now upgraded to 20 Gbps (redundant fiber paths)
 - PHENIX was moved to new fibers, also at 20 Gbps
 - HPSS cache size and b/w upgraded to ~130 TB/2 GB/s sustained
 - Improves RCF's ability to buffer (with simultaneous migration from cache to tape) peak rates >2GB/s from the CH per experiment
 - Upgraded HPSS Mass Storage System Software in December
 - Previous version stable but had a few known issues
 - No impact on PHENIX/STAR data taking and data retrieval from Tape
 - Managing an inventory of 27 PB (PHENIX and STAR), 72 M files
- Smooth operation since start of Run13 Data Taking

Raw Data Volume collected & archived

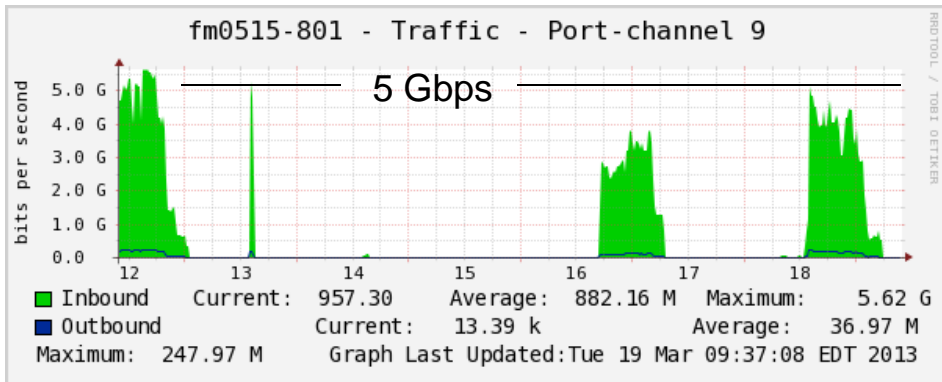


PHENIX and STAR Data Rate & Transfer Pattern

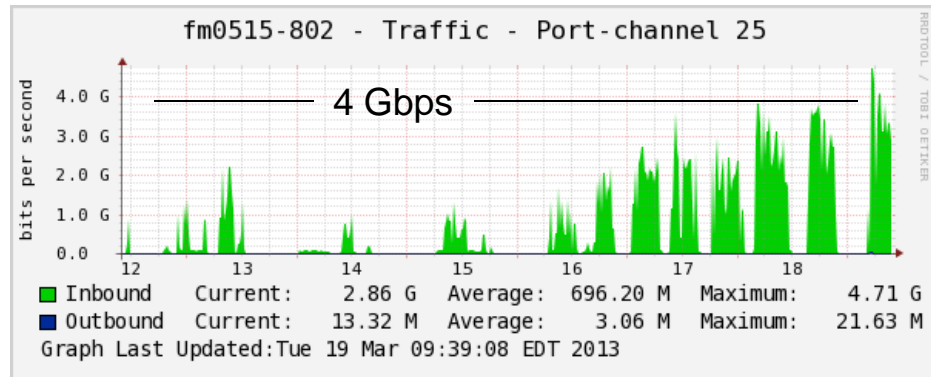
on the link between PHENIX and STAR Counting Houses (CH)

Last 7 Days (03/12-03/19)

PHENIX CH => RCF

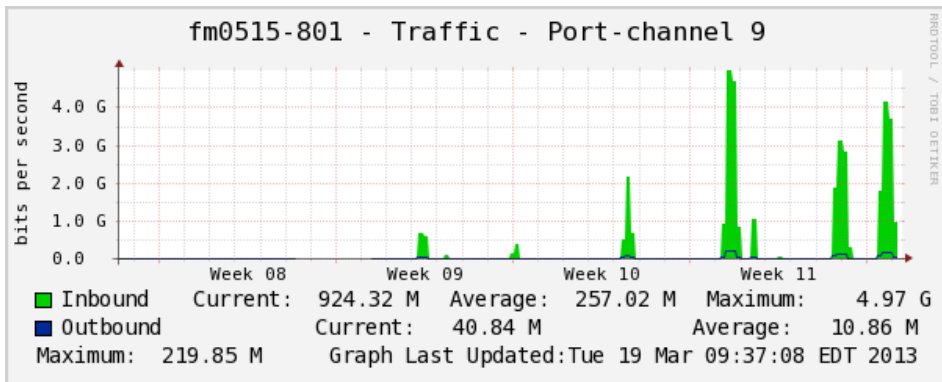


STAR CH => RCF



Since start of Run13

PHENIX CH => RCF



STAR CH => RCF

