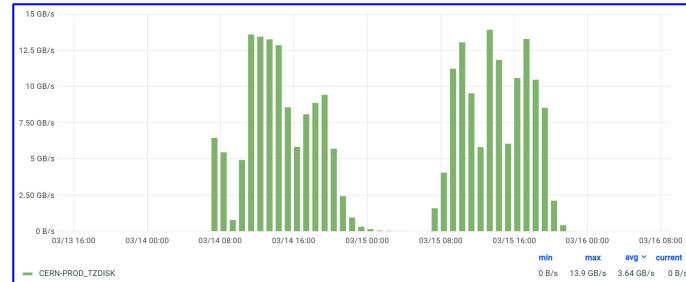
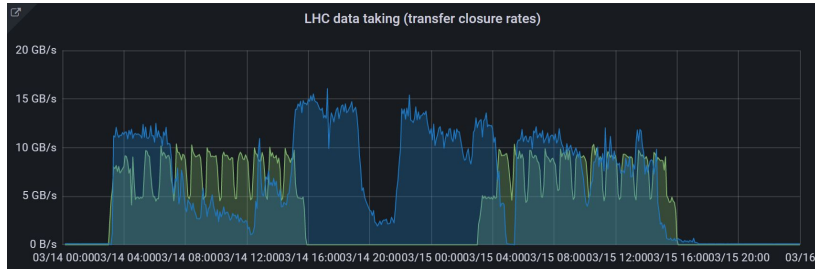


ATLAS updates on tape challenge

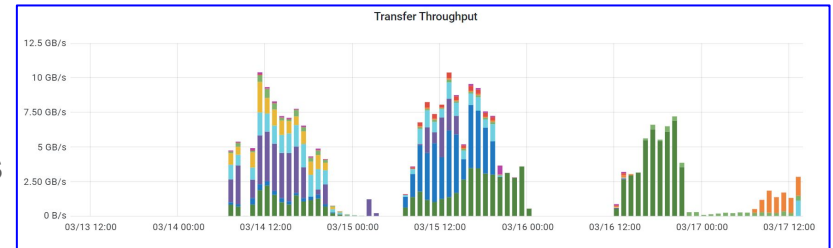
ATLAS in DT mode this week

- Good overlapping with CMS on traffic out of pointX
- Early issues with SFO-T0 handshake database and Rucio submitter slowed down data transfer to T0 and T1 tapes, fixed
- T0 disk → T0 tape went well

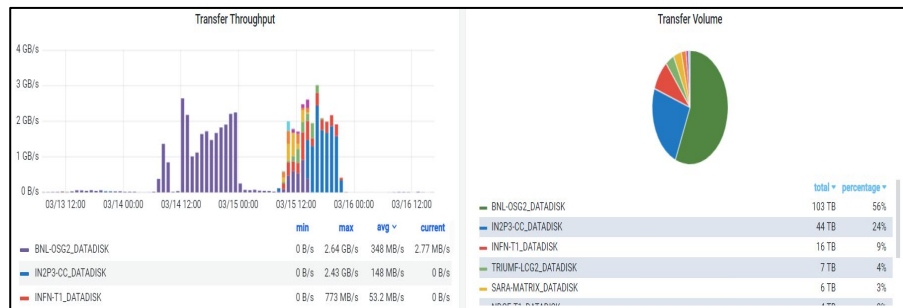
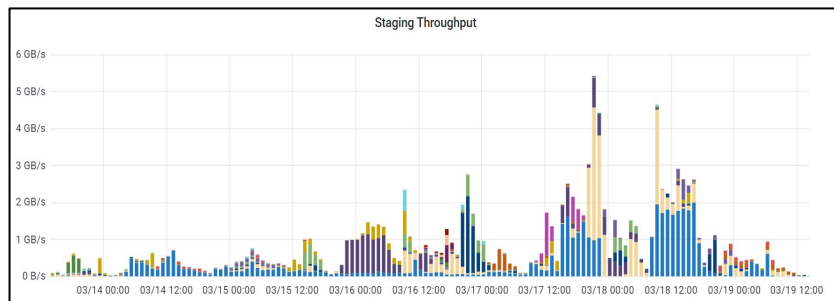
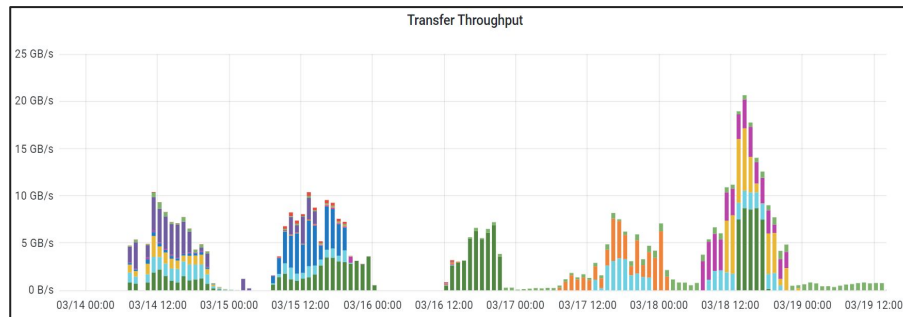
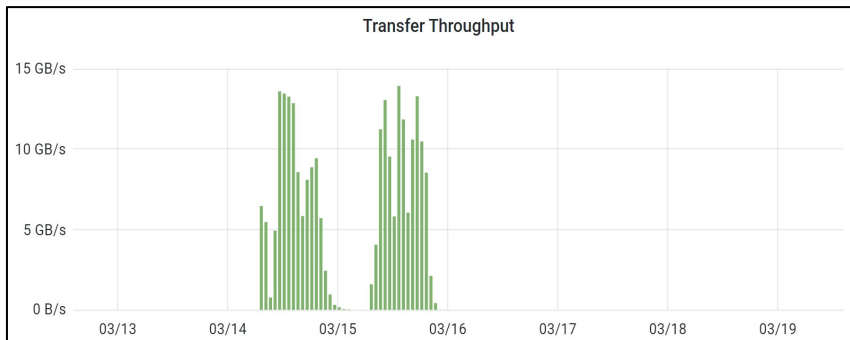


T0 export to T1s

- FZK and INFN were hit by the peak rate
 - Went fine in general
 - FZK had tape write pool filled up later in the run (some production data not cleared up yet)
- BNL and TRIUMF were tested with peak rate yesterday
 - BNL
 - Went smoothly (few early failures against one dCache door node)
 - Throughput up to >7GB/s while FTS limit is set to 5GB/s ?
 - TRIUMF
 - Throughput limited to ~300MB/s ?
- PIC and RAL receiving peak rate today
 - PIC network saturation, throughput ~1.4GB/s
 - RAL some early failures



Overview of DT week : went pretty



- T0 disk → T0 tape
- T0 disk → T1 tape export
- T0 disk → T1 disk export
- Staging from T1s

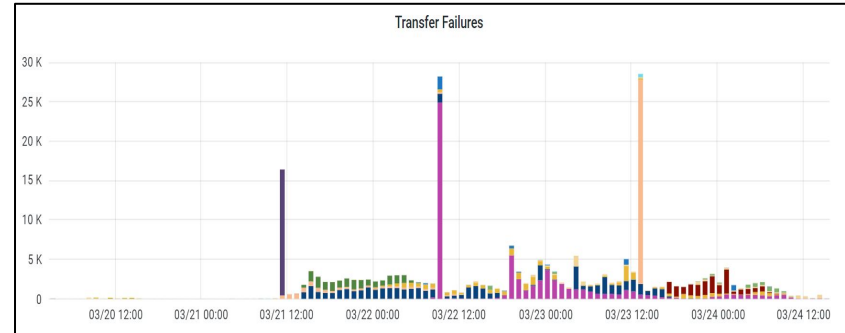
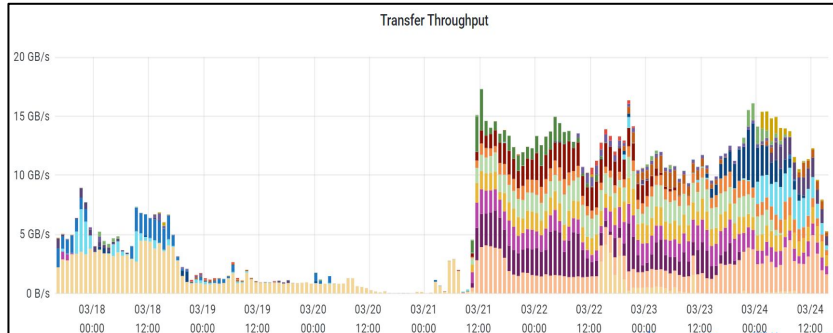
Some Observations from DT tests

- Pretty good transfer rates observed from several sites
 - BNL ~8GB/s, SARA 4~7GB/s, PIC >4GB/s, RAL/IN2P3/INFN/FZK 3~3.5GB/s
- Slow transfer issue at TRIUMF 200~800MB/s
- FTS throughput setting not reliable
- Ran into disk buffer space issue at several sites
- EOS MGM issue at RAL



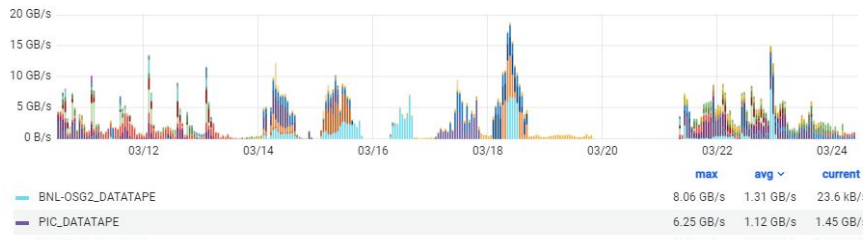
A-DT week

- Running fine in general with good throughput
- Several spikes of failures from FZK/RAL/BNL
 - RAL : ESO MGM issue
 - FZK : transient network issue interrupted polling of bringonline status from FTS
 - BNL : dCache intervention and short downtime on srm node to replace memory

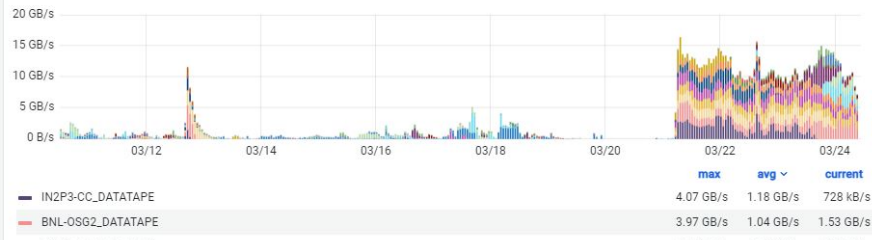


multi-VO tests in parallel

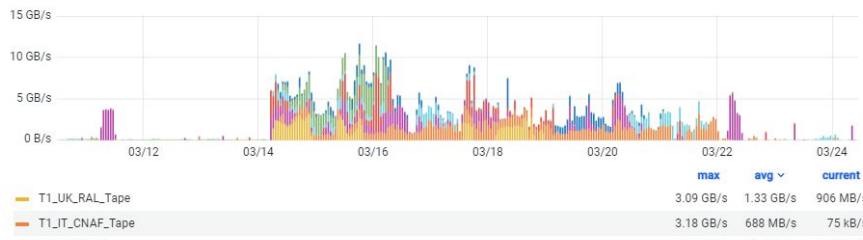
ATLAS Tape Write Rate



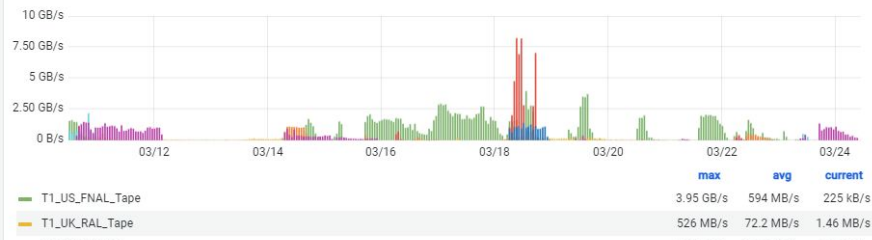
ATLAS Tape Read Rate



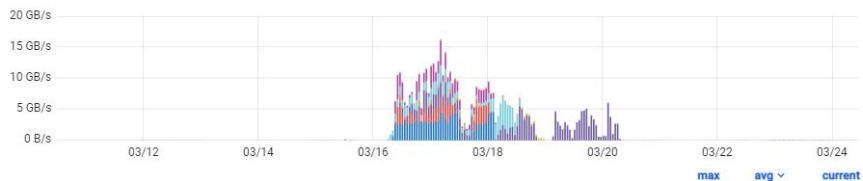
CMS Tape Write Rate



CMS Tape Read Rate



LHCb Tape Write Rate



LHCb Tape Read Rate

