

Report LHCb

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SEZIONE DI FIRENZE

Overall picture

- LHCb data taking in 2023 has been compromised by LHC-related incidents
- Less data collected → Reduced pressure on storage resources
- Less analyses on new data → Reduced pressure on computing resources

Still, many activities on real data in the last two months:

- Reprocessing of Run2 data (*restripping*)
- Centralized decay candidate selection of 2023 data (*sprucing*)
- Offline rerun of HLT2 in 2022 proton collisions data (*trigger*)
- Full computing 2023 pipeline (HLT online + Sprucing + analysis) for the io run

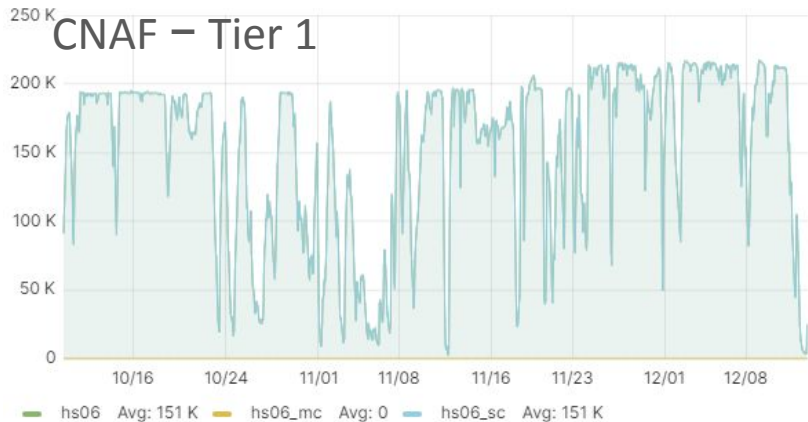
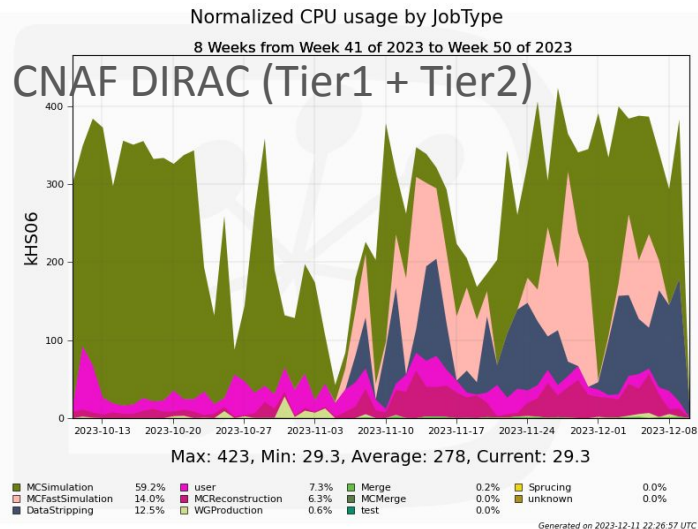
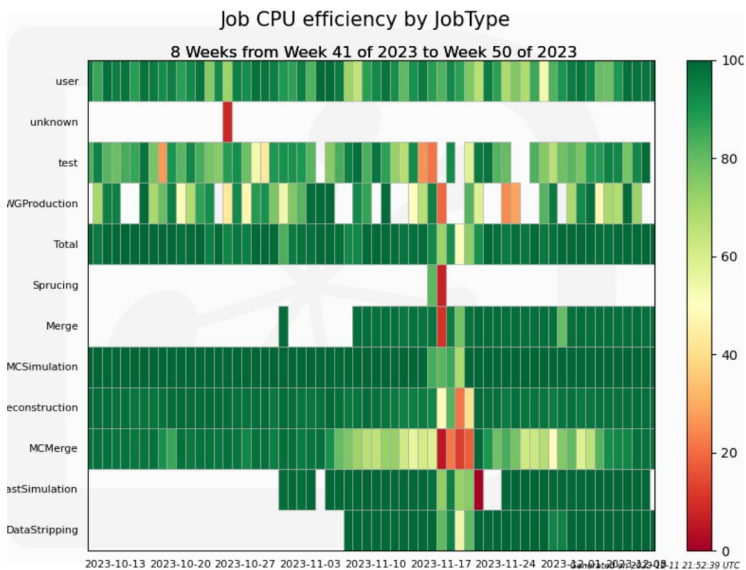
Intense activity on operations, but with limited amount of computing resources involved.

As usual, **thanks to the CNAF team** for ready intervention and follow up of all tickets and issues!

CPU

Limited pressure on cpu resources, no major issues.

MCMerge jobs (< 0.1%) requiring large temporary-disk space seem to compromise the efficiency of other jobs.

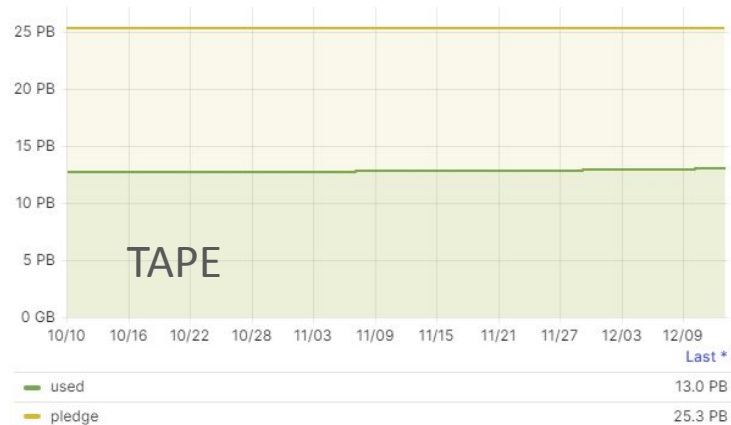
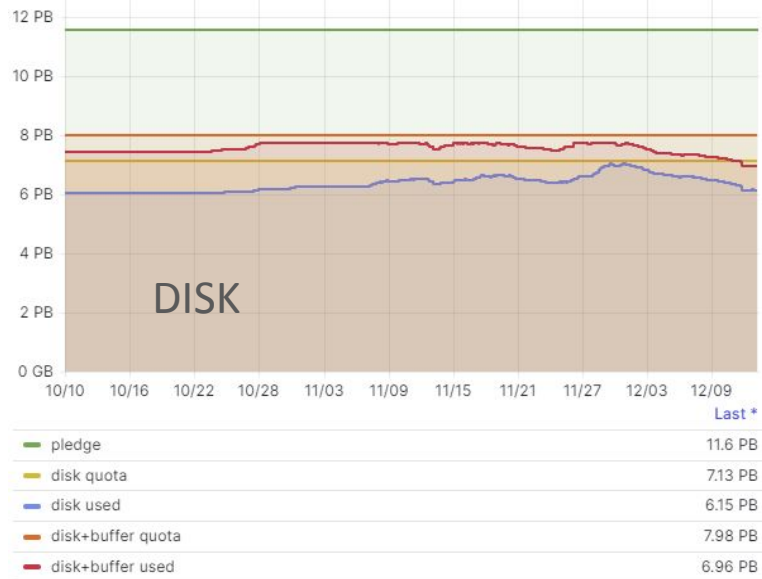


Storage

Activities on real data are slowly increasing the ARCHIVE storage element on tape.

DISK primarily used as “buffer”.
(Dirac CNAF-BUFFER + buffer file system)

An active GGUS ticket on FTS transfers ([164032](#)) is being followed up by FTS developers.



HTTP REST APIs for Storm tape

On Wednesday 13th, LHCb moved to StoRM for tape FTS to CNAF.

We are still monitoring the transfers.

For monitoring purposes, it would be useful to have an alias of the xfer-lhcb.cr.cnaf.infn.it endpoint that we will use uniquely for tape transfers.

Long debugging session yesterday, followed up in GGUS ticket ([164634](#)) related to gfal2 (developers involved).