

15 marzo 2024

# Report LHCb

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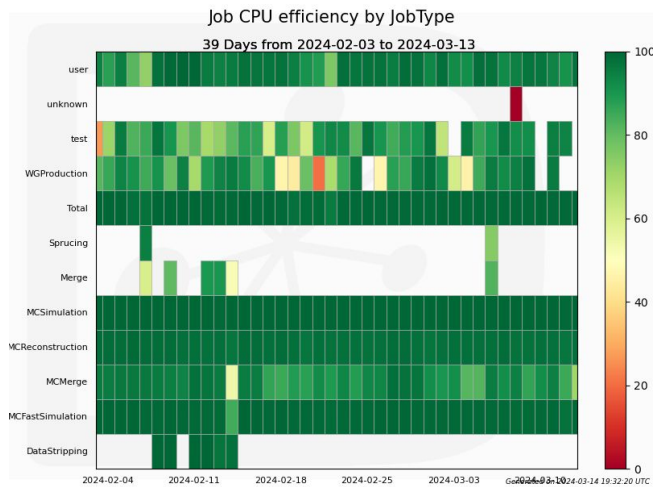
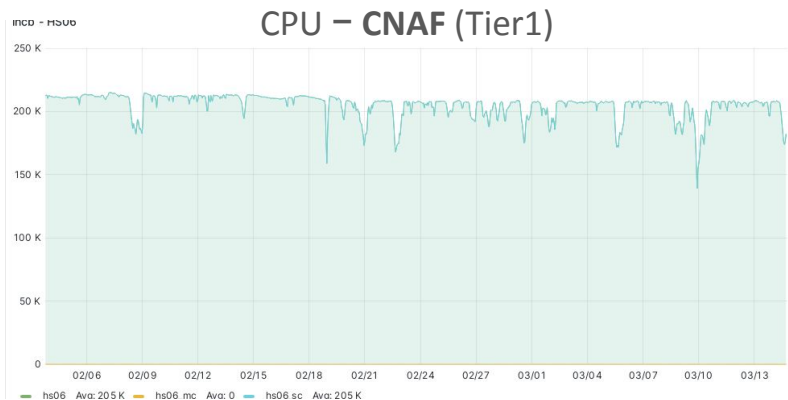


Matteo Barbetti  
*CNAF*

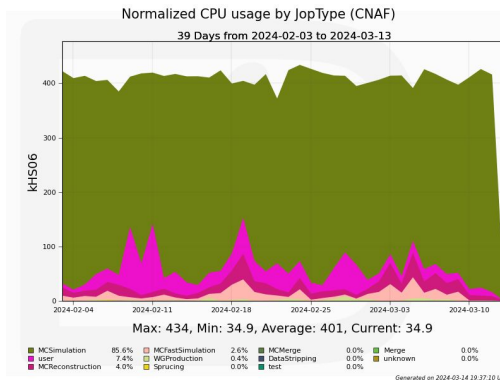


# CPU

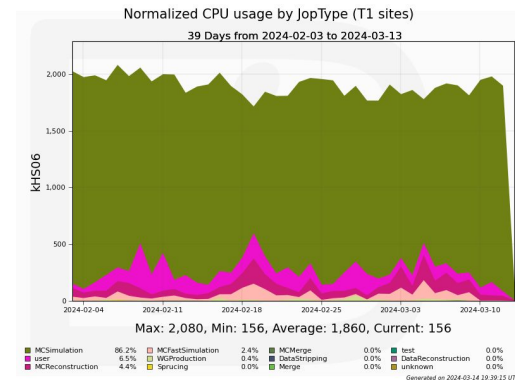
Due to the proximity of the Run 3 restart, the use of CPU resources seems to be restored to nominal values



from DIRAC: CNAF (Tier1 + Tier2)



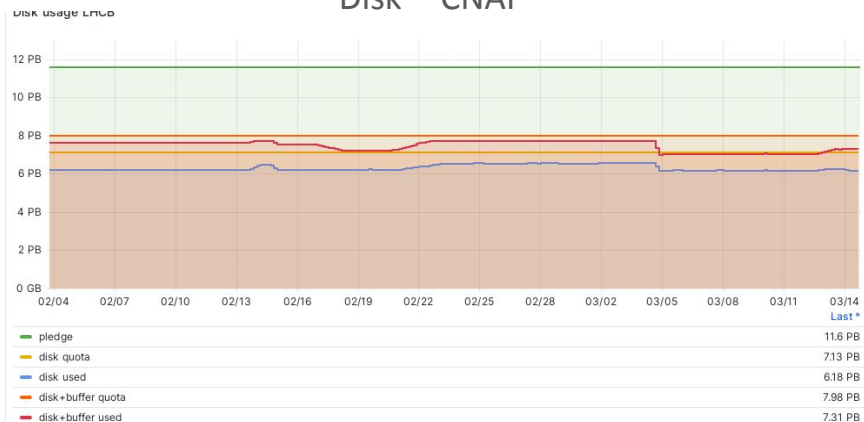
from DIRAC: all Tier1 sites



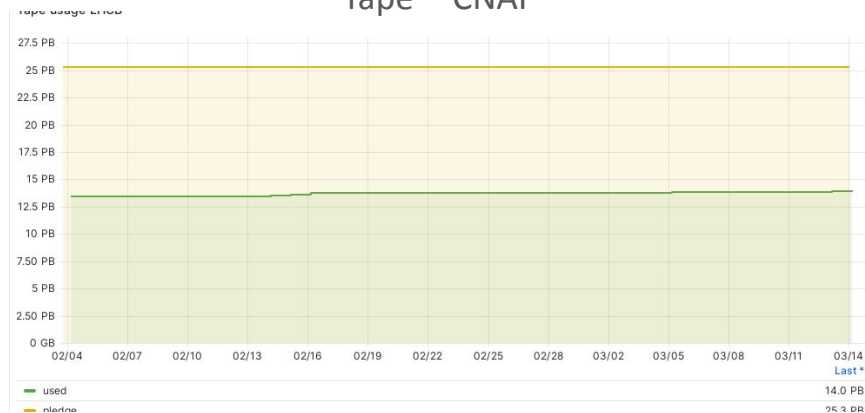
# Storage

Still no increase on storage resources (no data taking)

## Disk – CNAF



## Tape – CNAF



# Data challenge results

The high FTS error rate in the DC **writing** part didn't compromise to achieving the target rate

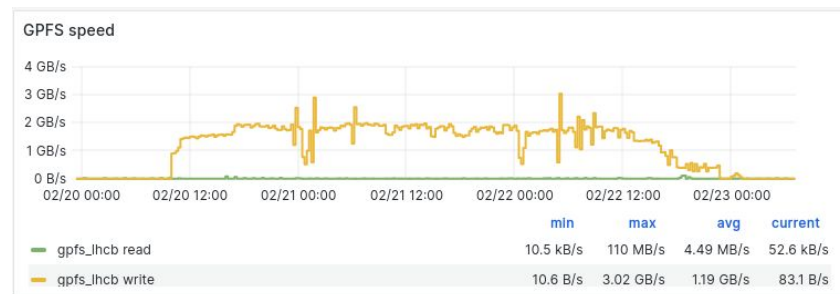
The target **staging** (recall + Tape-buffer → disk) rate didn't reach: 1.41 GB/s < 1.60 GB/s

Performance numbers measured by LHCb for staging still not completely understood (ongoing discussion)

Writing efficiency (FTS transfers)



Recall rate (staging part)



Site	Targets, GB/s		Achieved, GB/s			Ratio (achieved/target)		
	Write	Stage	EOS-Disk	Disk-Tape	Tape-Disk	EOS-Disk	Disk-Tape	Tape-Disk
CNAF	2.05	1.60	3.45	2.74	1.41	1.68	1.34	0.88

from [Alex's slides](#) at DOMA DC24 Retrospective

# New CNAF-only data challenge: *writing part*

