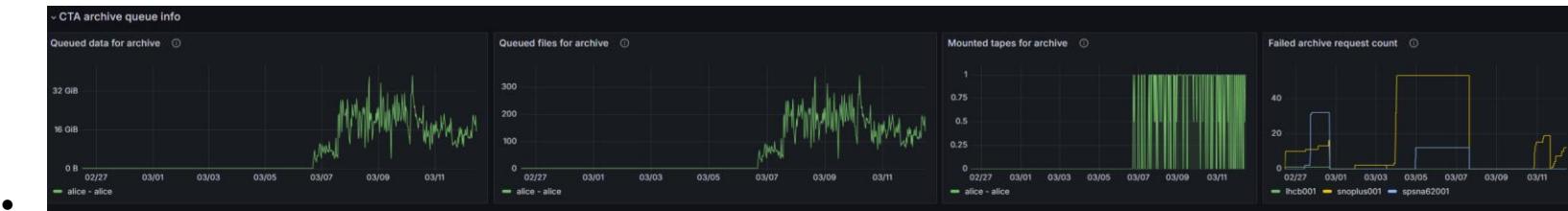
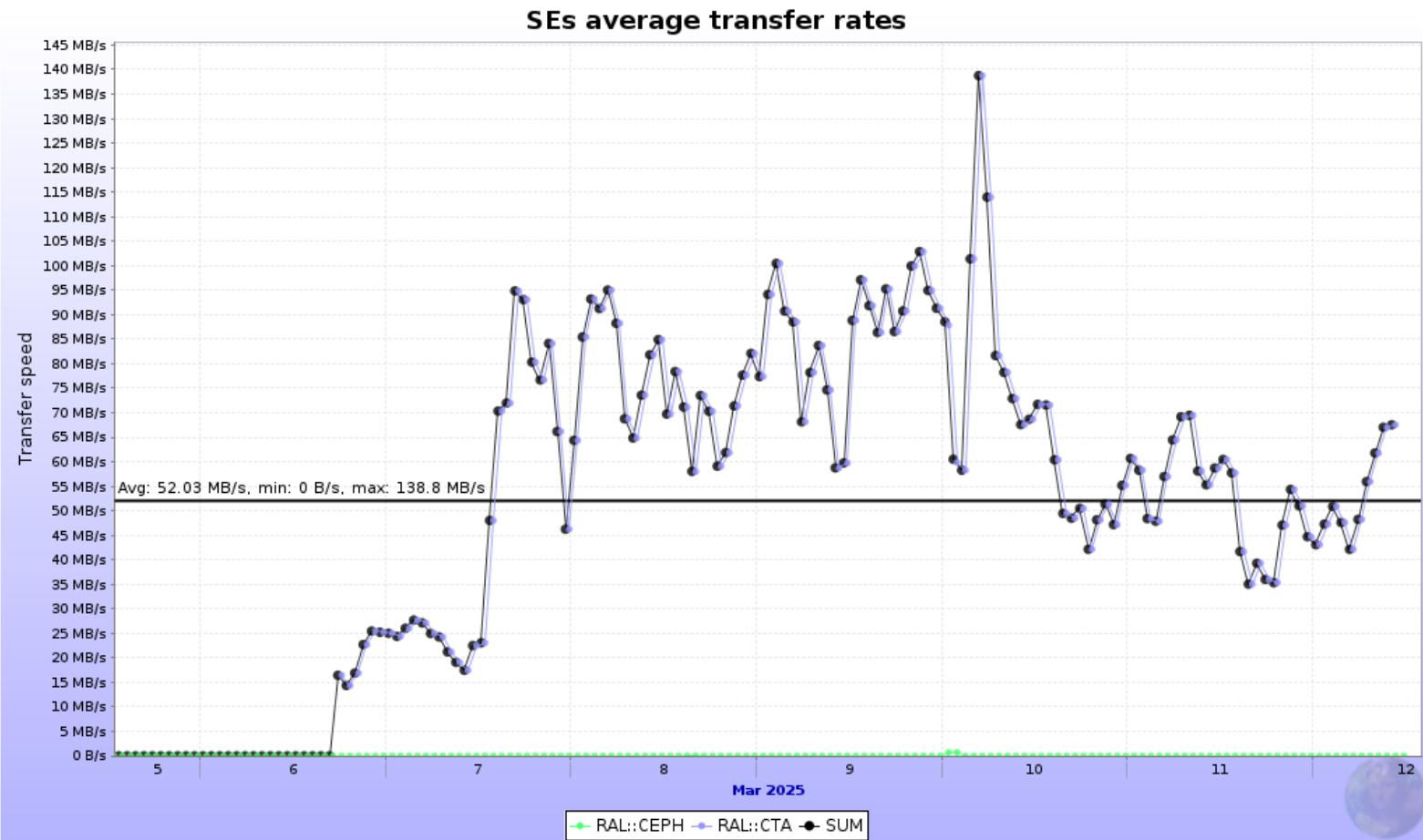


# Tier1 Report 12/03/2025

## Activity for Last Week:

- MiniDC Complete
  - <https://mattermost.web.cern.ch/gridpp/channels/data-challenge-24>
- Updating ceph version on WNs and deploying writeable GWs
- Echo Updated to Quincy
- DUNE GGUS Tickets
- LSST moving to tokens
- ALICE commenced '24 Raw data distribution to RAL





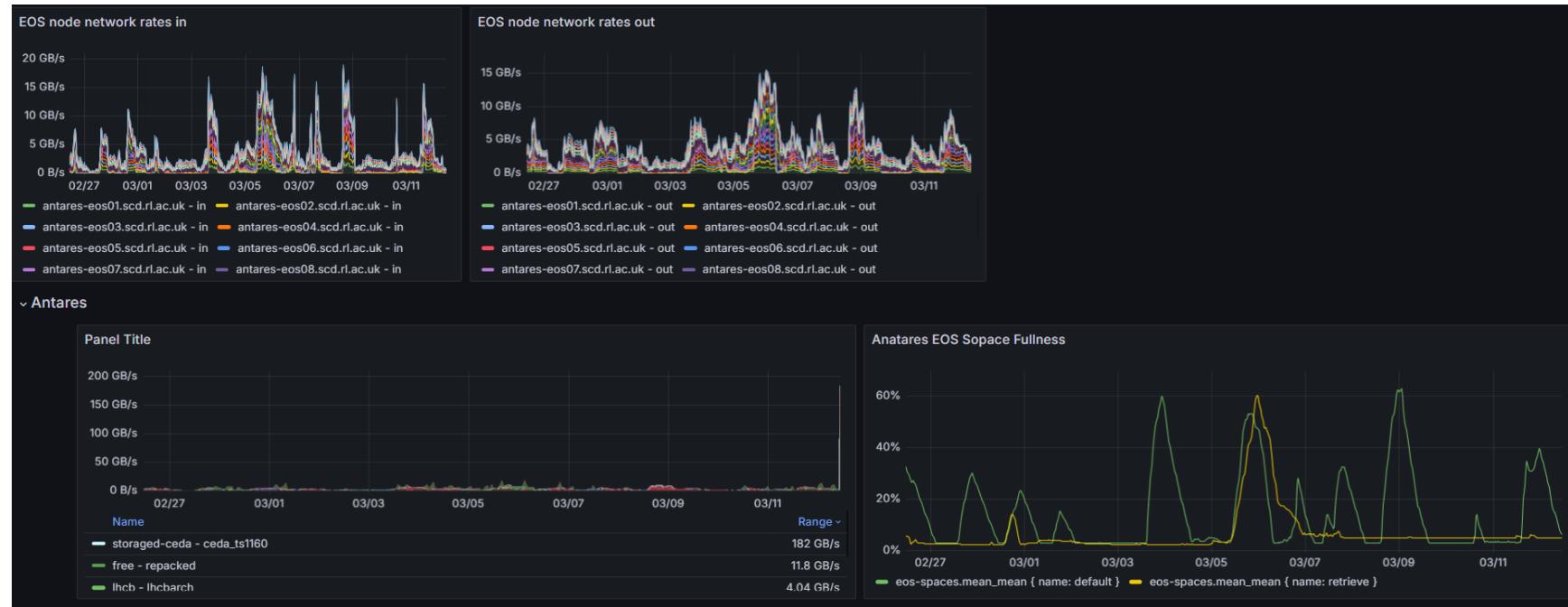
## Changes/News for upcoming week

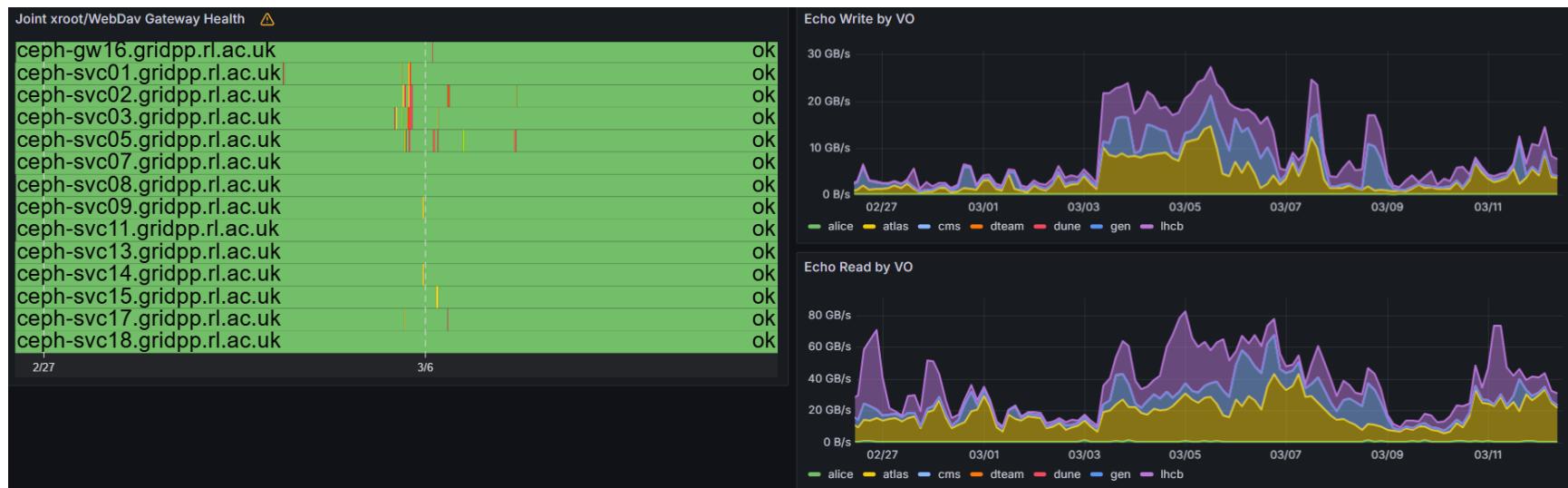
- Batch
- Echo
- Tape

- Grid Services
- Network

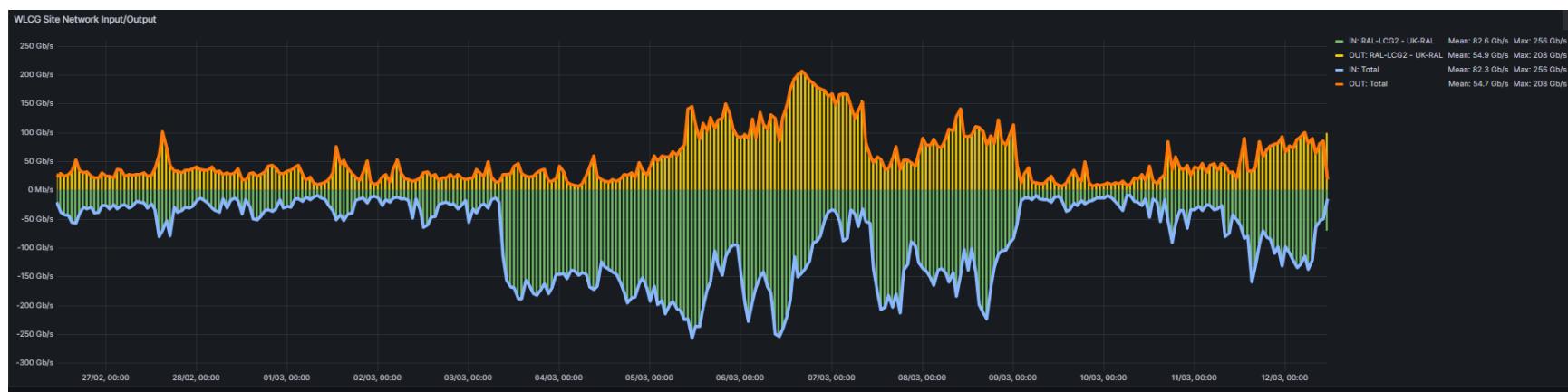
New Summary Dashboard in progress.

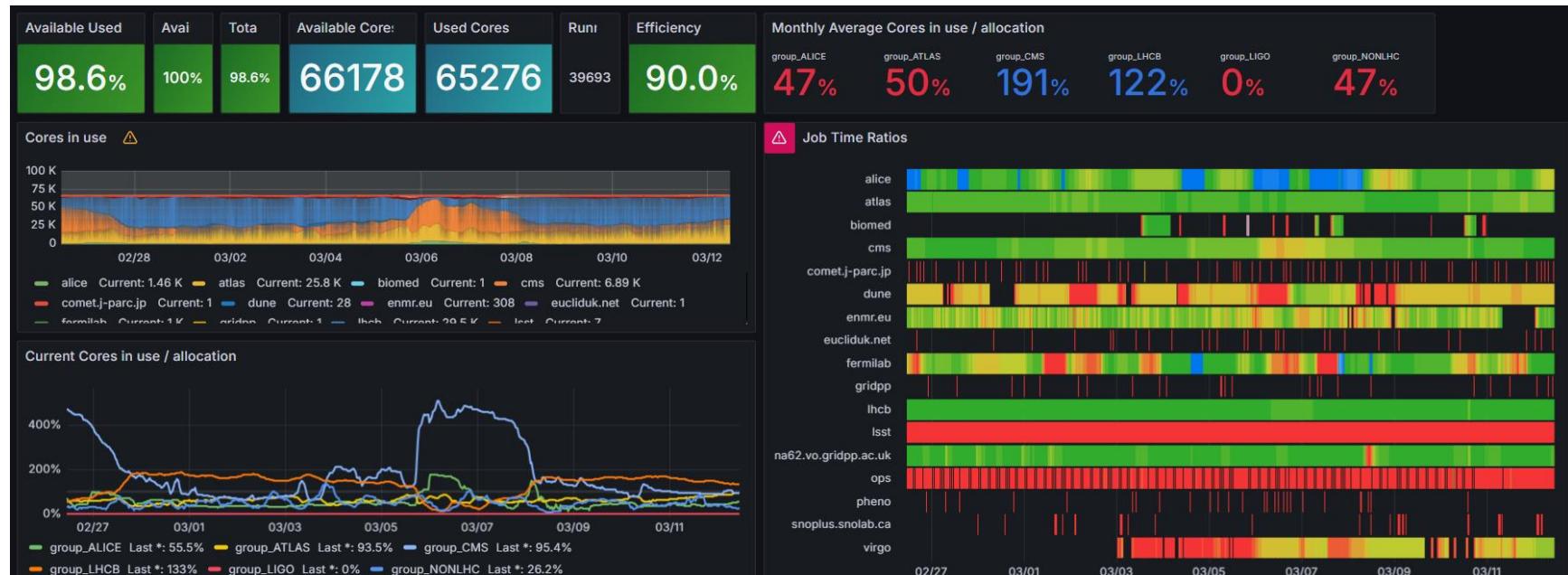
<https://vande.gridpp.rl.ac.uk/next/d/egvWB4Vz/tier1-vo-service-summary?orgId=1&refresh=1m>

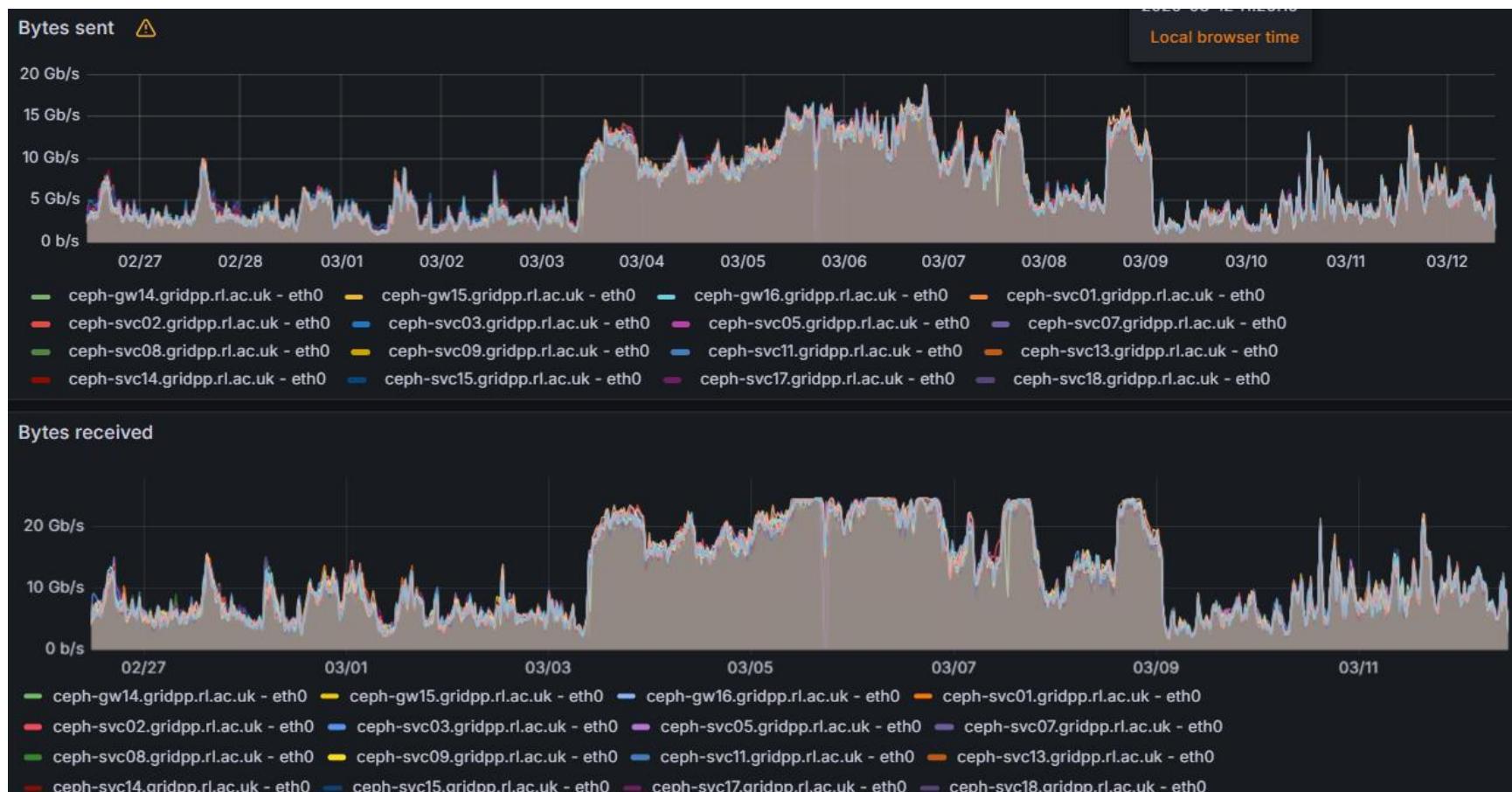




<https://monit-grafana-open.cern.ch/d/Mwuxgoglk/wlcg-site-network?orgId=16&var-site=RAL-LCG2&var-binning=1h&from=now-30d&to=now>

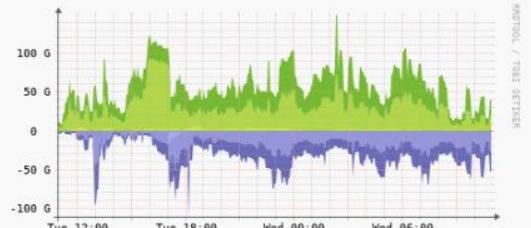




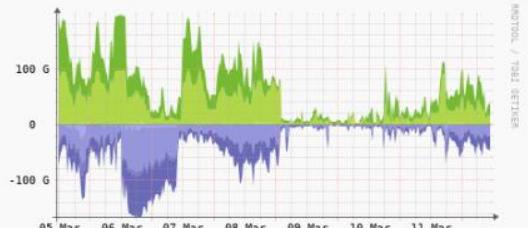


<https://librenms.gridpp.rl.ac.uk/iftype/type=LHCOPN>

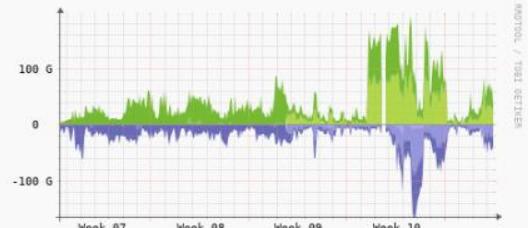
### Total Graph for ports of type : LHCOPN



Bits/sec		Now	Avg	Max
tier2.tl.internal	In	719.75Mbps	1.76Gbps	6.25Gbp
Vlan3550	Out	261.41Mbps	553.08Mbps	15.94Gbp
tier2.tl.internal	In	20.01Gbps	29.17Gbps	91.26Gbp
Vlan3551	Out	27.00Gbps	16.11Gbps	55.85Gbp
tier2.tl.internal	In	574.43Mbps	1.10Gbps	3.50Gbp
Vlan3561	Out	100.41Mbps	547.54Mbps	12.56Gbp
tier2.tl.internal	In	18.78Gbps	25.96Gbps	75.58Gbp
Vlan3562	Out	24.39Gbps	16.19Gbps	52.76Gbp



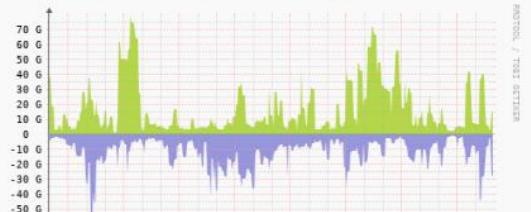
Bits/sec		Now	Avg	Max
tier2.tl.internal	In	856.17Mbps	1.23Gbps	14.52Gbp
Vlan3550	Out	167.22Mbps	1.68Gbps	26.75Gbp
tier2.tl.internal	In	12.51Gbps	34.24Gbps	96.98Gbp
Vlan3551	Out	19.84Gbps	21.36Gbps	77.94Gbp
tier2.tl.internal	In	756.76Mbps	802.70Mbps	5.89Gbp
Vlan3561	Out	101.60Mbps	1.67Gbps	26.79Gbp
tier2.tl.internal	In	12.14Gbps	29.72Gbps	96.97Gbp
Vlan3562	Out	19.31Gbps	21.30Gbps	76.55Gbp



Bits/sec		Now	Avg	Max
tier2.tl.internal	In	1.52Gbps	918.57Mbps	7.84Gbp
Vlan3550	Out	480.06Mbps	1.13Gbps	17.68Gbp
tier2.tl.internal	In	15.24Gbps	29.35Gbps	96.79Gbp
Vlan3551	Out	19.06Gbps	13.23Gbps	74.76Gbp
tier2.tl.internal	In	1.21Gbps	861.41Mbps	15.87Gbp
Vlan3561	Out	415.12Mbps	797.56Mbps	17.86Gbp
tier2.tl.internal	In	15.79Gbps	27.46Gbps	96.84Gbp
Vlan3562	Out	18.36Gbps	15.77Gbps	73.93Gbp

<https://librenms.gridpp.rl.ac.uk/iftype/type=LHCONE>

### Total Graph for ports of type : LHCONE



Bits/sec		Now	Avg	Max
tier1.tl.internal	In	28.06 bps	25.74 bps	34.94 bps
Vlan3604	Out	29.19 bps	27.28 bps	36.51 bps
tier2.tl.internal	In	14.56Gbps	16.78Gbps	79.06Gbps
Vlan3605	Out	26.89Gbps	12.05Gbps	58.31Gbps



Bits/sec		Now	Avg	Max
tier1.tl.internal	In	24.82 bps	25.73 bps	28.48 bps
Vlan3604	Out	26.47 bps	27.28 bps	29.89 bps
tier2.tl.internal	In	21.66Gbps	15.30Gbps	66.79Gbps
Vlan3605	Out	18.09Gbps	13.58Gbps	78.19Gbps



Bits/sec		Now	Avg	Max
tier1.tl.internal	In	25.83 bps	25.76 bps	26.32 bps
Vlan3604	Out	27.45 bps	27.31 bps	27.91 bps
tier2.tl.internal	In	10.32Gbps	11.55Gbps	135.98Gbps
Vlan3605	Out	7.48Gbps	12.01Gbps	57.01Gbps

CMS: [https://cmssst.web.cern.ch/sitereadiness/report.html#T1\\_UK\\_RAL](https://cmssst.web.cern.ch/sitereadiness/report.html#T1_UK_RAL)

## T1\_UK\_RAL

GGUS Tickets: 165969

Downtimes:

SAM Status: 100% 100% 100% 95% 100% 100% 100% 99% 100% 95% 100% 100% 100% 100% 100% 100%

Hammer Cloud: 100% 100% 100% 99% 99% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100%

FTS Status: 0% 100% 0% 0% 100% 100% 0% 0% 0% 92% 100% 95% 46% 0% 0% 0%

Site Readiness:

Life Status:

Prod Status:

CRAB Status:

Rucio Status:

24	25	26	27	28	1	2	3	4	5	6	7	8	9	10	11	12
Feb					Mar											

= ok / enabled

= warning / drain, test

= error / disabled

? = unknown / not set

WR = Waiting Room state

M = Morgue state

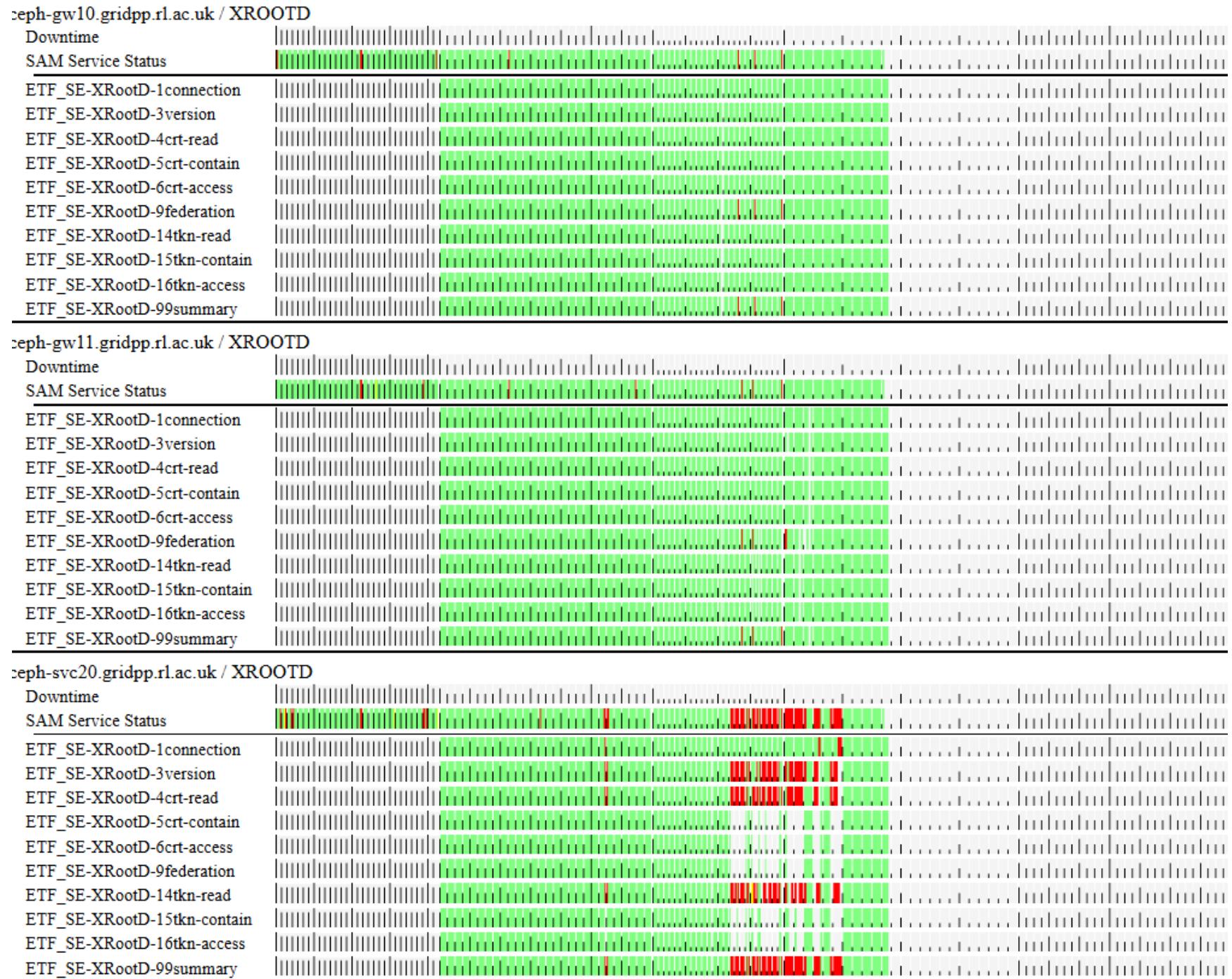
D = Scheduled Downtime

P = Partial Downtime

U = Ad Hoc Downtime

[https://cmssst.web.cern.ch/siteStatus/detail.html?site=T1\\_UK\\_RAL](https://cmssst.web.cern.ch/siteStatus/detail.html?site=T1_UK_RAL)

Metric	Prev. Month	Previous Week	Yesterday	UTC Today	Following Week
Downtime(s)					
SAM (1day)					
HC (1day)					
FTS (1day)					
SiteReadiness (1day)					
Life Status					
Life Override					
Prod Status					
Prod Override					
Crab Status					
Crab Override					
Rucio Status					
Rucio Override					
GGUS tickets:	[1815]				
SAM Status					
Hammer Cloud					
FTS Status					
Site Readiness					
Summary					



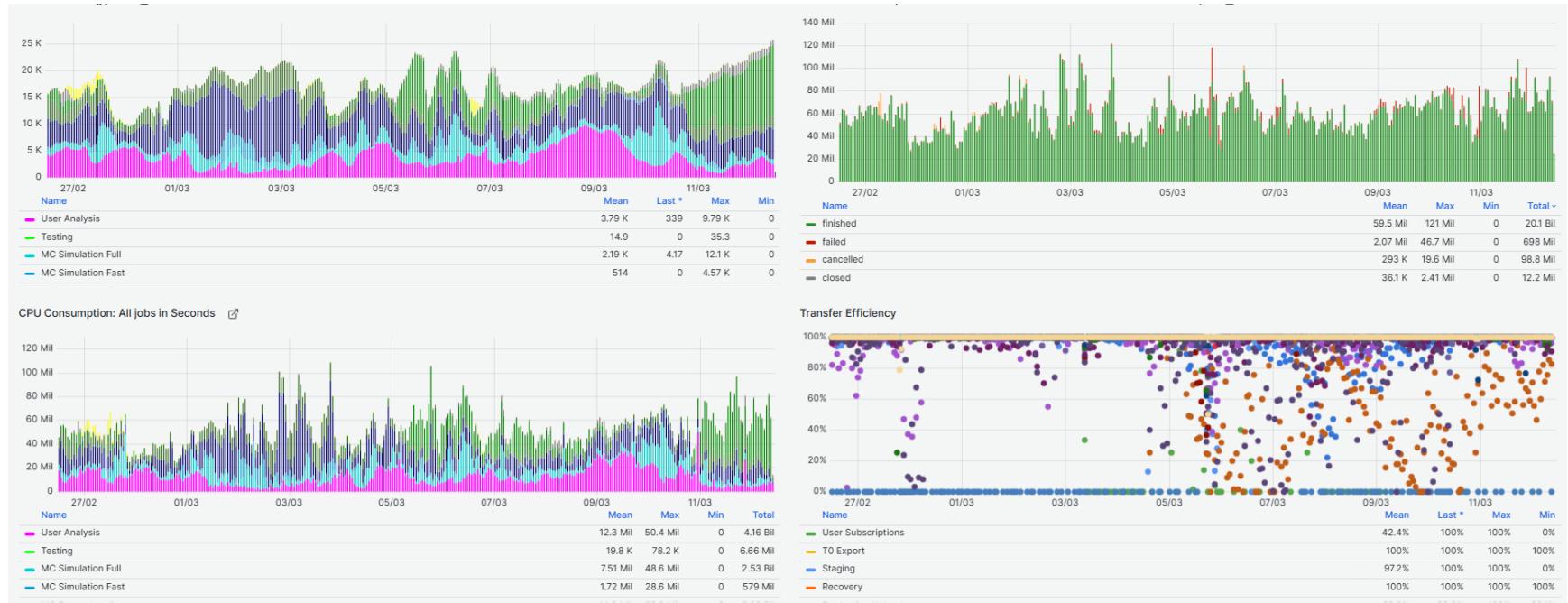
**ATLAS:**

<https://hammercloud.cern.ch/hc/app/atlas/siteoverview/?site=RAL-LCG2&startTime=2024-07-17&endTime=2024-07-24&templateType=isGolden>

RAL

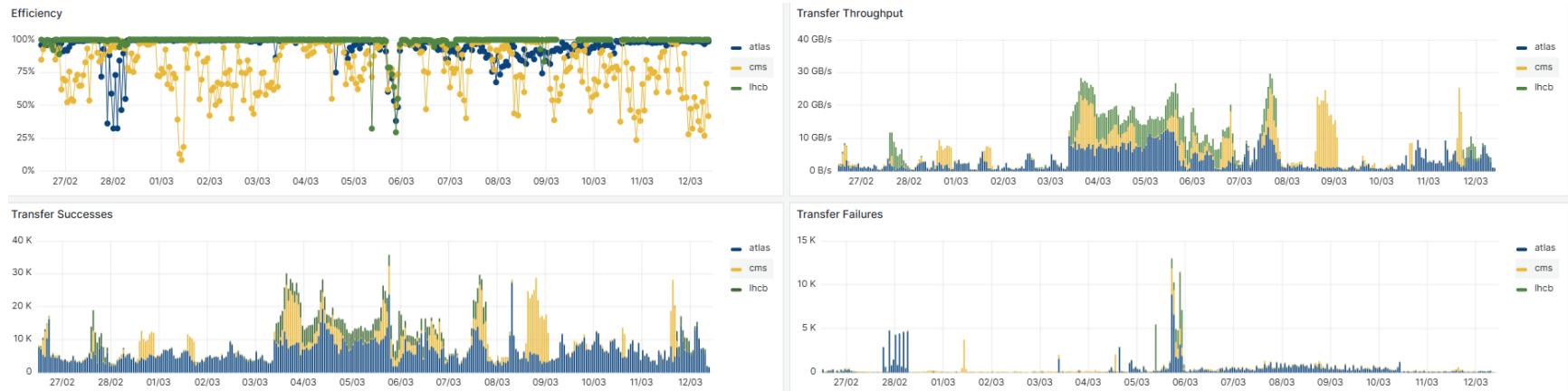
RAL-LCG2 MCORE

Site Dashboard: [https://monit-grafana.cern.ch/d/D26vElGGz/site-oriented-dashboard?orgId=17&var-bin=1h&var-groupby\\_jobs=adcactivity&var-groupby\\_ddm=activity&var-cloud>All&var-country>All&var-federation>All&var-site=RAL-LCG2&var-computing](https://monit-grafana.cern.ch/d/D26vElGGz/site-oriented-dashboard?orgId=17&var-bin=1h&var-groupby_jobs=adcactivity&var-groupby_ddm=activity&var-cloud>All&var-country>All&var-federation>All&var-site=RAL-LCG2&var-computingsite>All&var-jobtype>All&var-es_division_factor=1&var-measurement=ddm_transfer_1h)



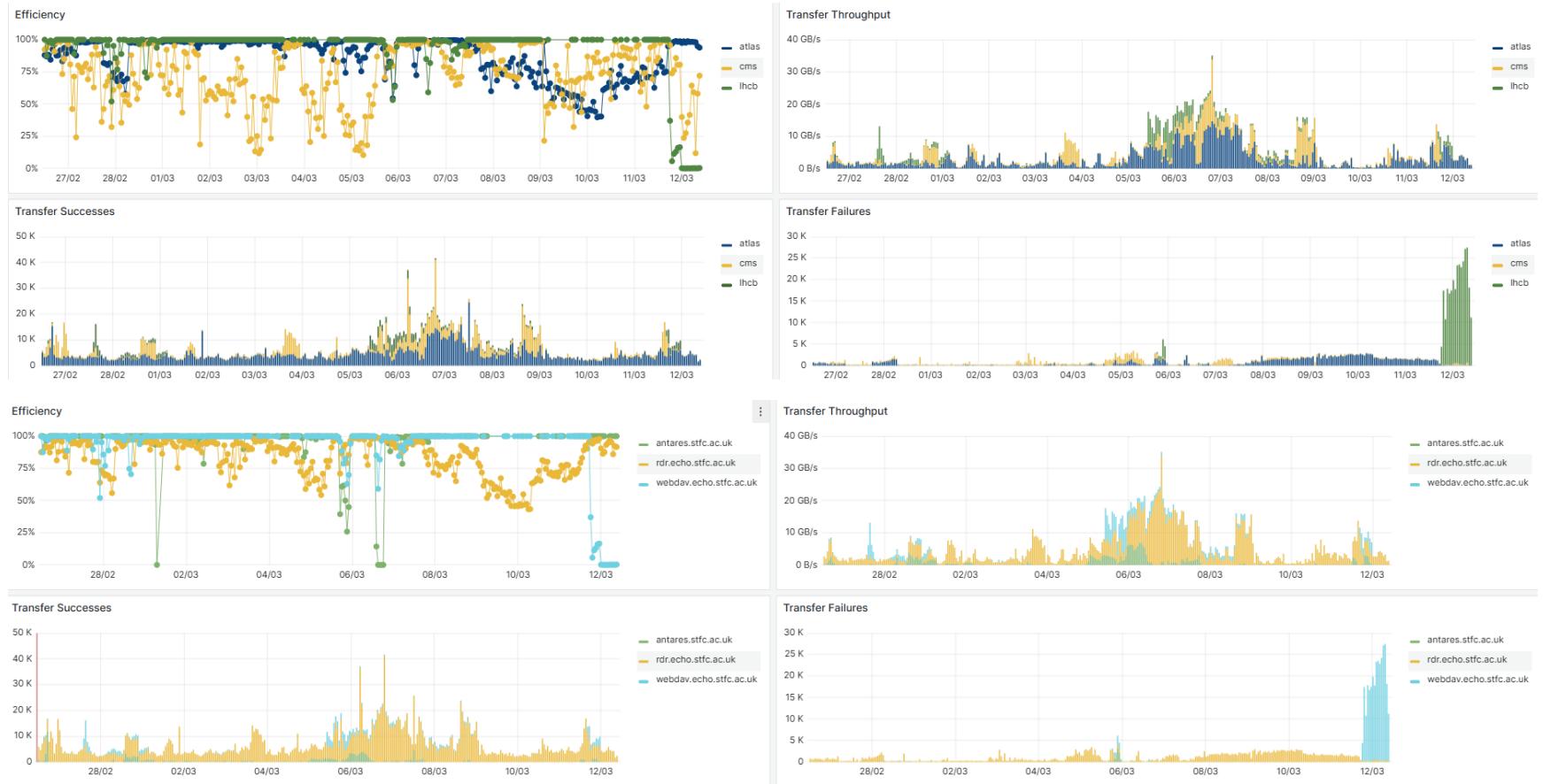
## Transfer Rates

<https://tinyurl.com/RAL-Ingest-FTS>

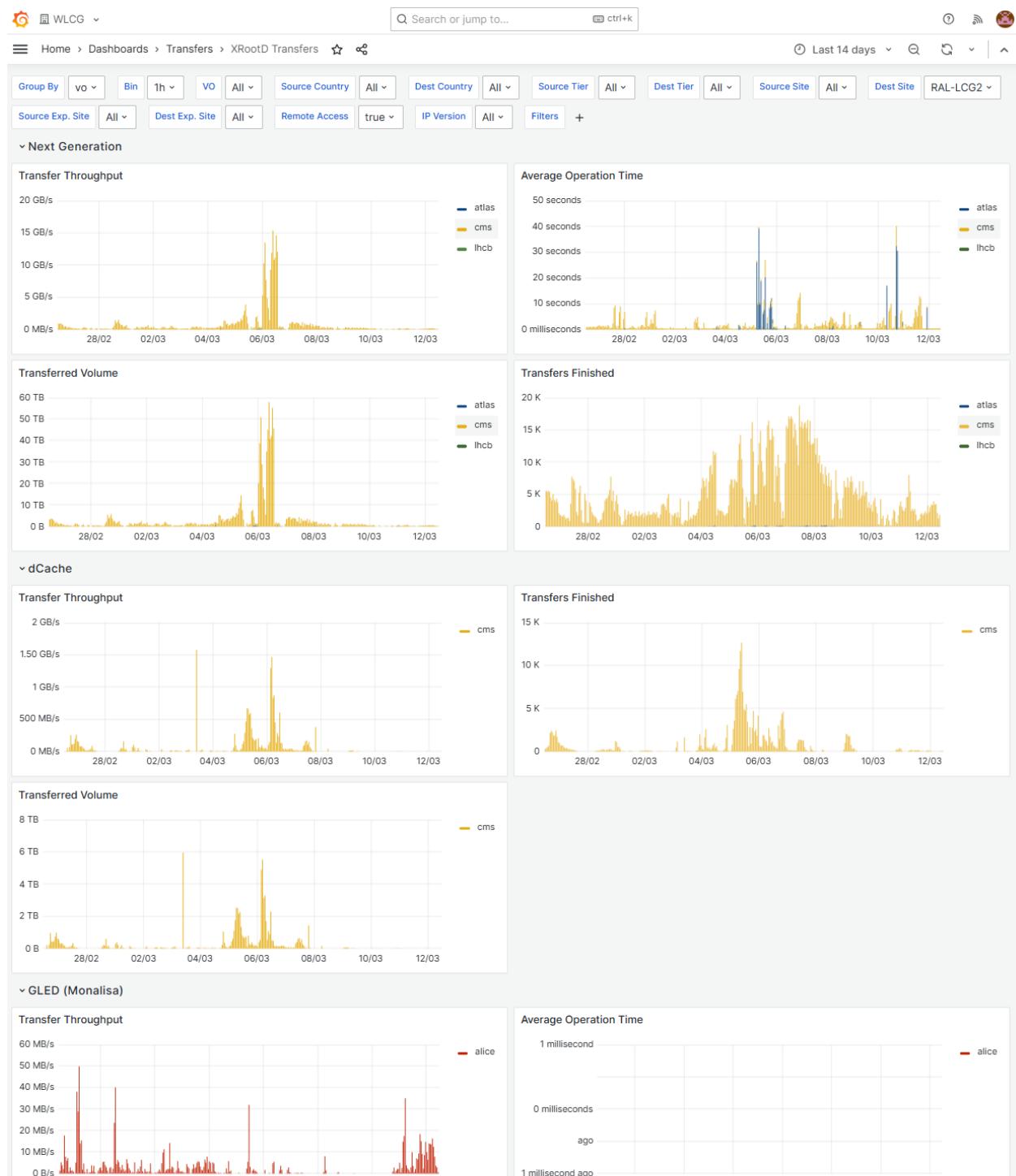


## RECALL

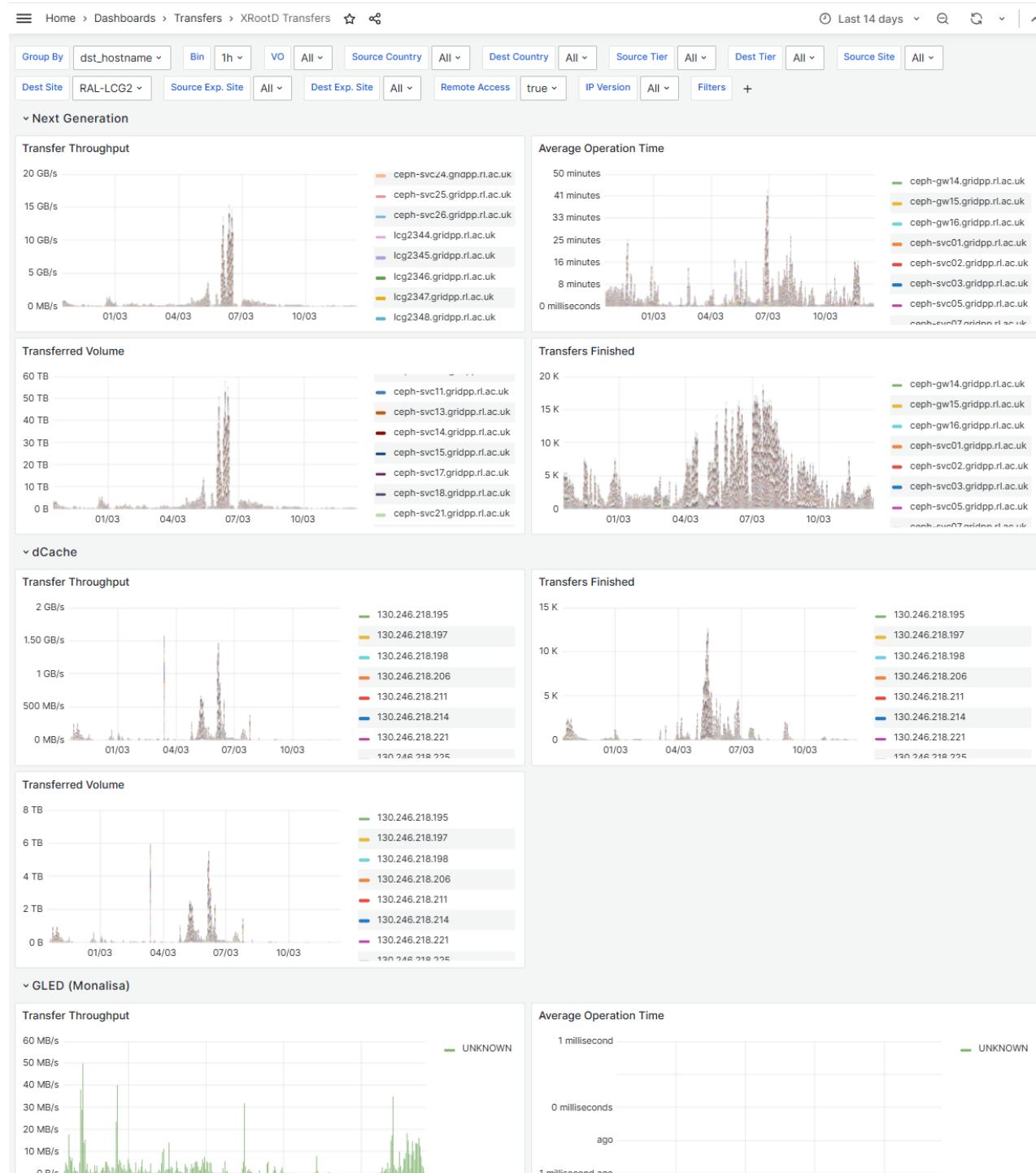
<https://tinyurl.com/RAL-recall>



XROOTD: [https://monit-grafana.cern.ch/d/000000444/xrootd-transfers?orgId=20&var-group\\_by=vo&var-bin=1h&var-vo>All&var-src\\_country>All&var-dst\\_country>All&var-src\\_tier>All&var-dst\\_tier>All&var-src\\_site>All&var-dst\\_site=RAL-LCG2&var-src\\_exp\\_site>All&var-dst\\_exp\\_site>All&var-remote=true&var-ipver>All&from=now-14d&to=now](https://monit-grafana.cern.ch/d/000000444/xrootd-transfers?orgId=20&var-group_by=vo&var-bin=1h&var-vo>All&var-src_country>All&var-dst_country>All&var-src_tier>All&var-dst_tier>All&var-src_site>All&var-dst_site=RAL-LCG2&var-src_exp_site>All&var-dst_exp_site>All&var-remote=true&var-ipver>All&from=now-14d&to=now)







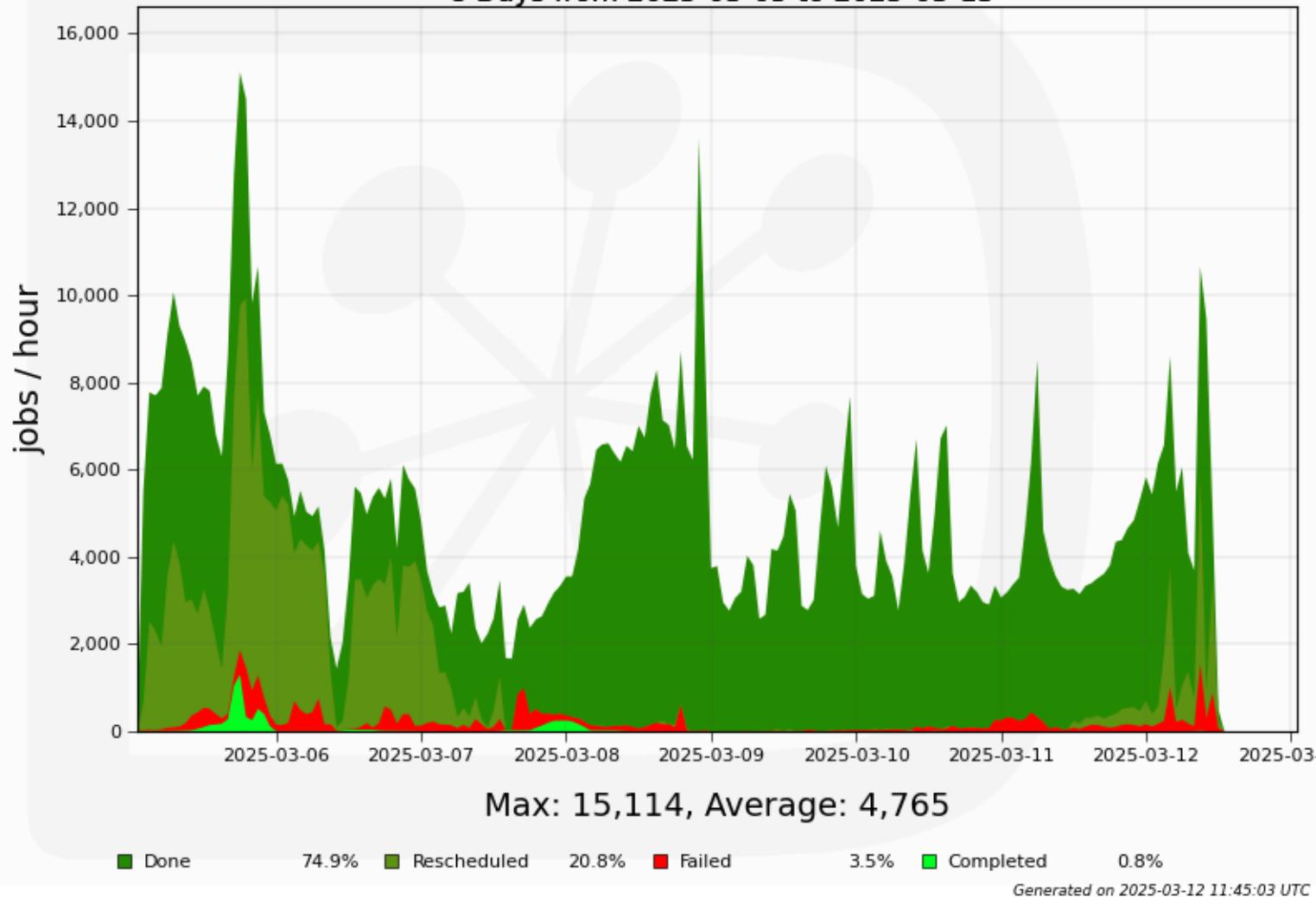
**LHCb:** [https://monit-grafana.cern.ch/d/000000619/wlcg-sitemon-historical-profiles?orgId=20&from=now-30d&to=now&var-vo=lhc&var-profile=LHCb\\_CRITICAL&var-dst\\_tier=1&var-dst\\_country=UK&var-dst\\_federation>All&var-dst\\_experiment\\_site=LCG.RAL.uk&var-service\\_flavour=ARC-CE&var-dst\\_hostname>All&var-recomputation=status](https://monit-grafana.cern.ch/d/000000619/wlcg-sitemon-historical-profiles?orgId=20&from=now-30d&to=now&var-vo=lhc&var-profile=LHCb_CRITICAL&var-dst_tier=1&var-dst_country=UK&var-dst_federation>All&var-dst_experiment_site=LCG.RAL.uk&var-service_flavour=ARC-CE&var-dst_hostname>All&var-recomputation=status)



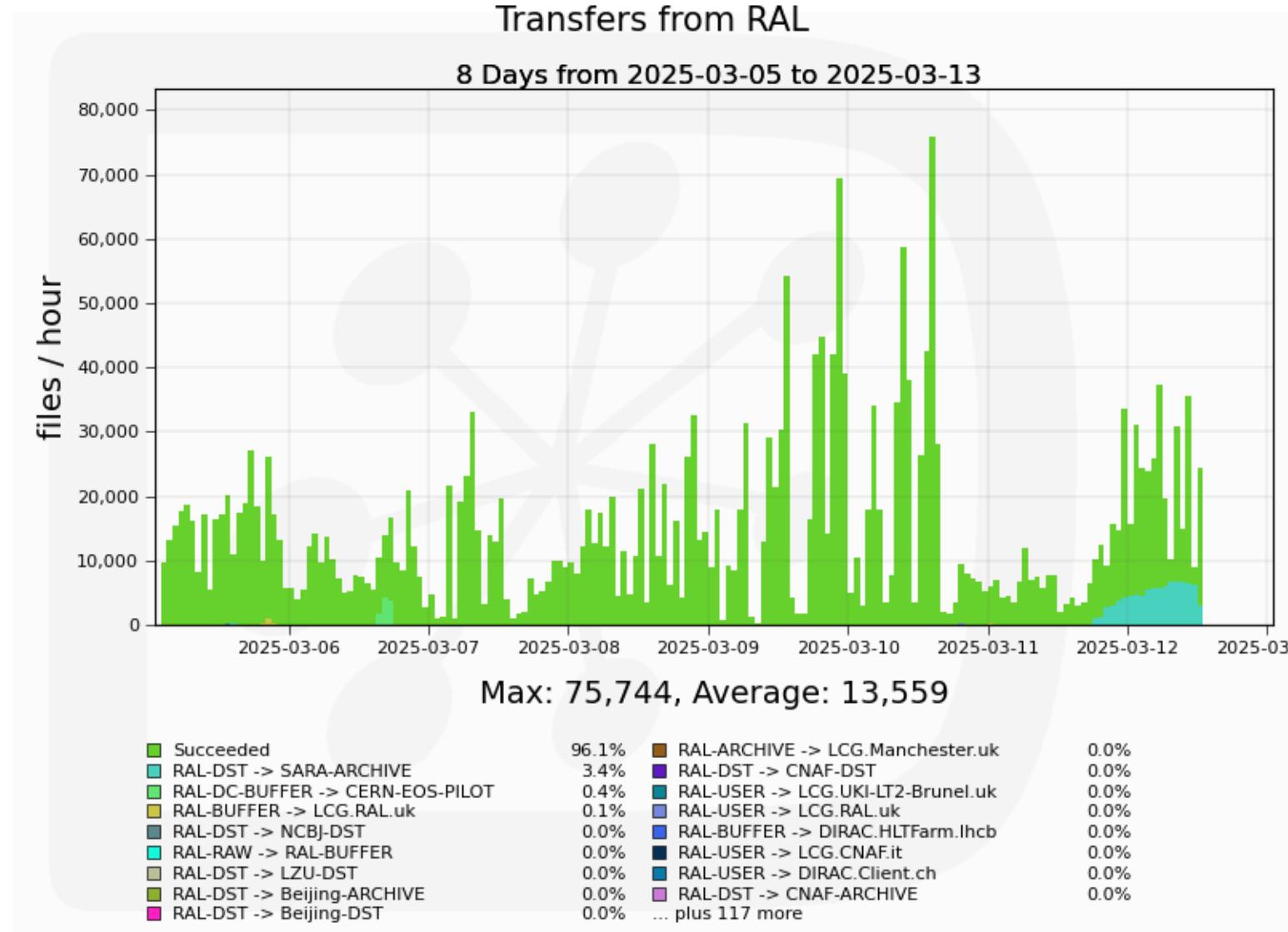
Jobs:

## Jobs by FinalMajorStatus

8 Days from 2025-03-05 to 2025-03-13



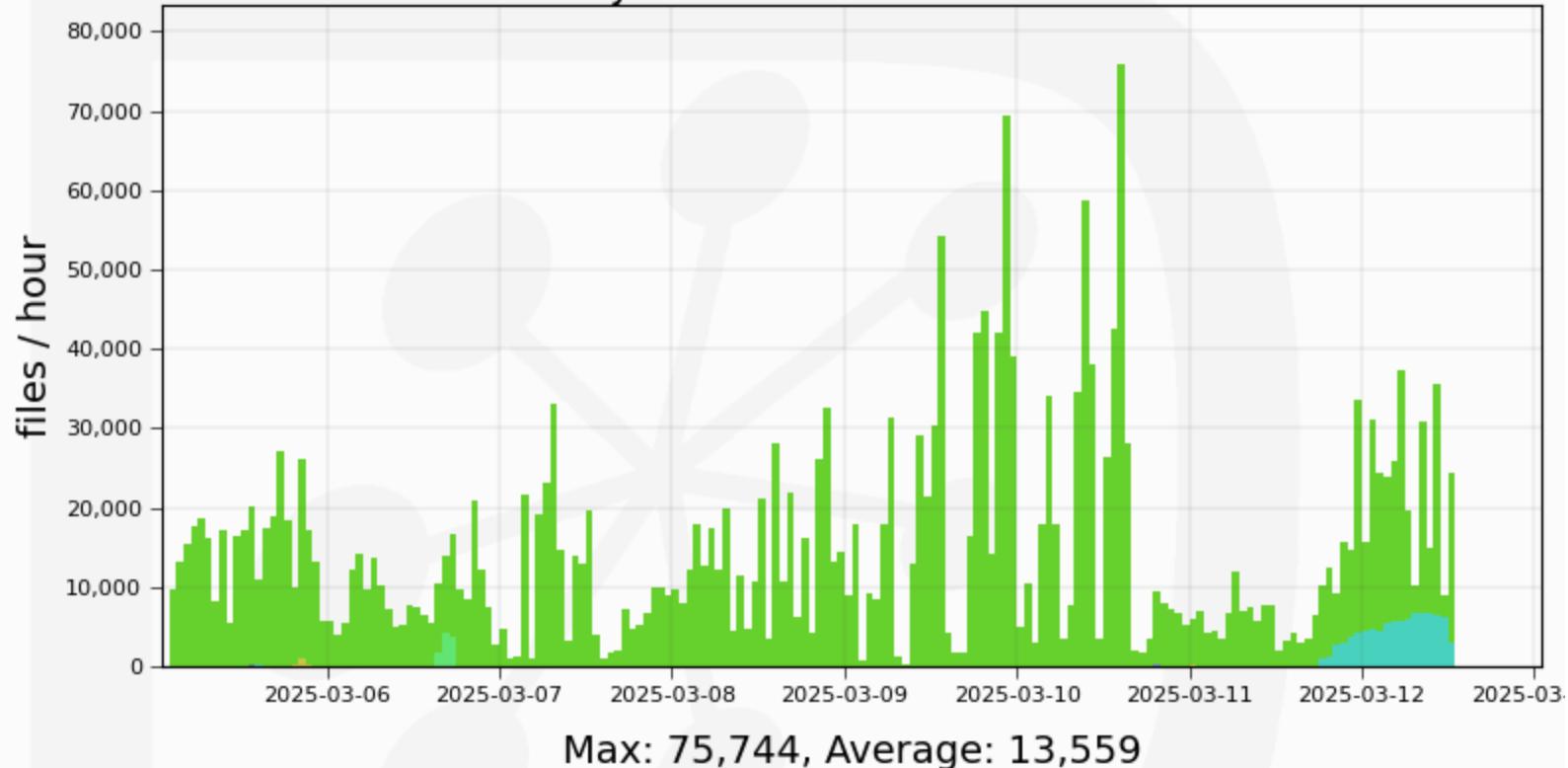
to RAL:



Transfers from RAL:

## Transfers from RAL

8 Days from 2025-03-05 to 2025-03-13



■ Succeeded
■ RAL-DST -> SARA-ARCHIVE
■ RAL-DC-BUFFER -> CERN-EOS-PILOT
■ RAL-BUFFER -> LCG.RAL.uk
■ RAL-DST -> NCBJ-DST
■ RAL-Raw -> RAL-BUFFER
■ RAL-DST -> LZU-DST
■ RAL-DST -> Beijing-ARCHIVE
■ RAL-DST -> Beijing-DST

96.1%	■ RAL-ARCHIVE -> LCG.Manchester.uk	0.0%
3.4%	■ RAL-DST -> CNAF-DST	0.0%
0.4%	■ RAL-USER -> LCG.UKI-LT2-Brunel.uk	0.0%
0.1%	■ RAL-USER -> LCG.RAL.uk	0.0%
0.0%	■ RAL-BUFFER -> DIRAC.HLTfarm.lhcb	0.0%
0.0%	■ RAL-USER -> LCG.CNAF.it	0.0%
0.0%	■ RAL-USER -> DIRAC.Client.ch	0.0%
0.0%	■ RAL-DST -> CNAF-ARCHIVE	0.0%
0.0%	... plus 117 more	

Generated on 2025-03-12 11:45:10 UTC

<https://tinyurl.com/aliceRALstorage>

**Disk storage elements**

What is this about?

RAL		AliEn SE										Catalogue statistics (1024-base units)						Storage-provided information (1024-base units)						Functional tests						Last day add tests		Demotion		IPv6	
SE Name	AliEn name	Tier	Size	Used	Free	Usage	No. of files	Type	Size	Used	Free	Usage	Version	EOS Version	add	get	rm	3rd	Last OK add	Successful	Failed	factor	add												
1. RAL - CEPH	ALICE::RAL::CEPH	1	2 PB	1.236 PB	781.9 TB	61.82%	15,103,017	CEPH	2 PB	0	2 PB	-	Xrootd v5.7.0					12.03.2025 11:48	24	0	0	1													
Total			2 PB	1.236 PB	781.9 TB		15,103,017		2 PB	0	2 PB							1	1	1	1								1						

**Custodial storage elements**

RAL		AliEn SE										Catalogue statistics (1024-base units)						Storage-provided information (1024-base units)						Functional tests						Last day add tests		Demotion		IPv6	
SE Name	AliEn name	Tier	Size	Used	Free	Usage	No. of files	Type	Size	Used	Free	Usage	Version	EOS Version	add	get	rm	3rd	Last OK add	Successful	Failed	factor	add												
1. RAL - CTA	ALICE::RAL::CTA	1	2.726 PB	1.518 PB	1.208 PB	55.69%	917,139	TAPE	183.3 TB	13.69 TB	169.6 TB	7.47%	Xrootd 5.6.10-1.el9.x86_64					12.03.2025 11:35	24	0	0	0	Test...												
2. RAL - CTA_TEST	ALICE::RAL::CTA_TEST	1	1000 GB	0	1000 GB	-	0	TAPE	1000 GB	1.027 GB	999 GB	0.103%	Xrootd 5.6.10-1.el9.x86_64					12.03.2025 11:36	24	0	0	0	Test...												
Total			2.727 PB	1.518 PB	1.209 PB		917,139		184.3 TB	13.69 TB	170.6 TB							2	2	2	2							0							