

# Tier1 Report 15/01/2025

## Activity for Last Week:

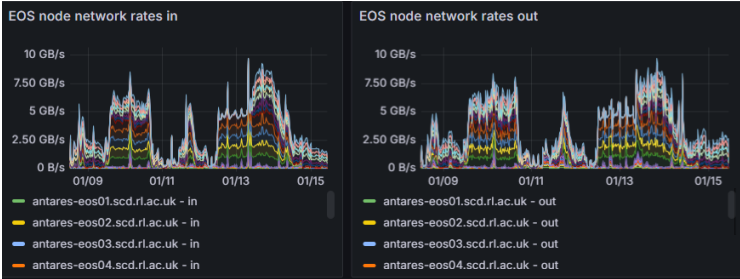
- Transceiver In legacy network link replaced
  - Resolved various ATLAS/CMS tickets
    - CMS SAM tests failing

## Changes/News for upcoming week

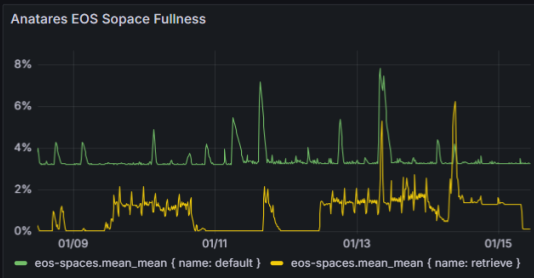
- Batch
- Echo
- Tape
- Grid Services
- Network

**New Summary Dashboard in progress.**

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



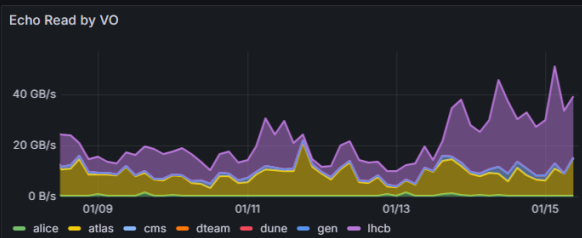
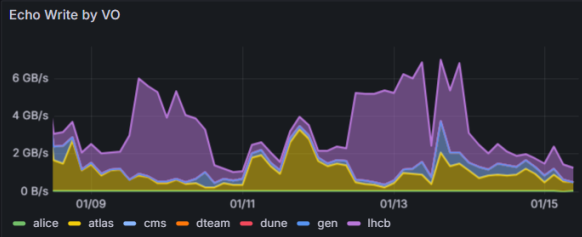
Antares



Echo

Joint xroot/WebDav Gateway Health ⚠

ceph-gw14.gridpp.rl.ac.uk	ok
ceph-gw15.gridpp.rl.ac.uk	ok
ceph-gw16.gridpp.rl.ac.uk	ok
ceph-svc01.gridpp.rl.ac.uk	ok
ceph-svc02.gridpp.rl.ac.uk	ok
ceph-svc03.gridpp.rl.ac.uk	ok
ceph-svc05.gridpp.rl.ac.uk	ok
ceph-svc07.gridpp.rl.ac.uk	ok
ceph-svc08.gridpp.rl.ac.uk	ok
ceph-svc09.gridpp.rl.ac.uk	ok
ceph-svc11.gridpp.rl.ac.uk	ok
ceph-svc13.gridpp.rl.ac.uk	ok
ceph-svc14.gridpp.rl.ac.uk	ok
ceph-svc15.gridpp.rl.ac.uk	ok
ceph-svc17.gridpp.rl.ac.uk	ok

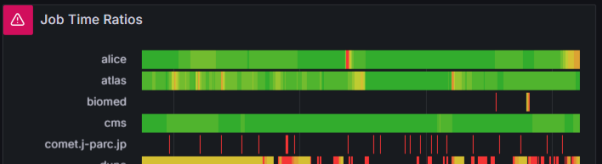
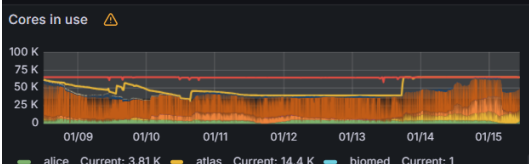


Batch Services

Available	A <sub>i</sub>	T <sub>c</sub>	Available	Used Cor	R <sub>t</sub>	Efficiency
77.0%	99.3%	76.4%	64372	49544	39562	73.2%

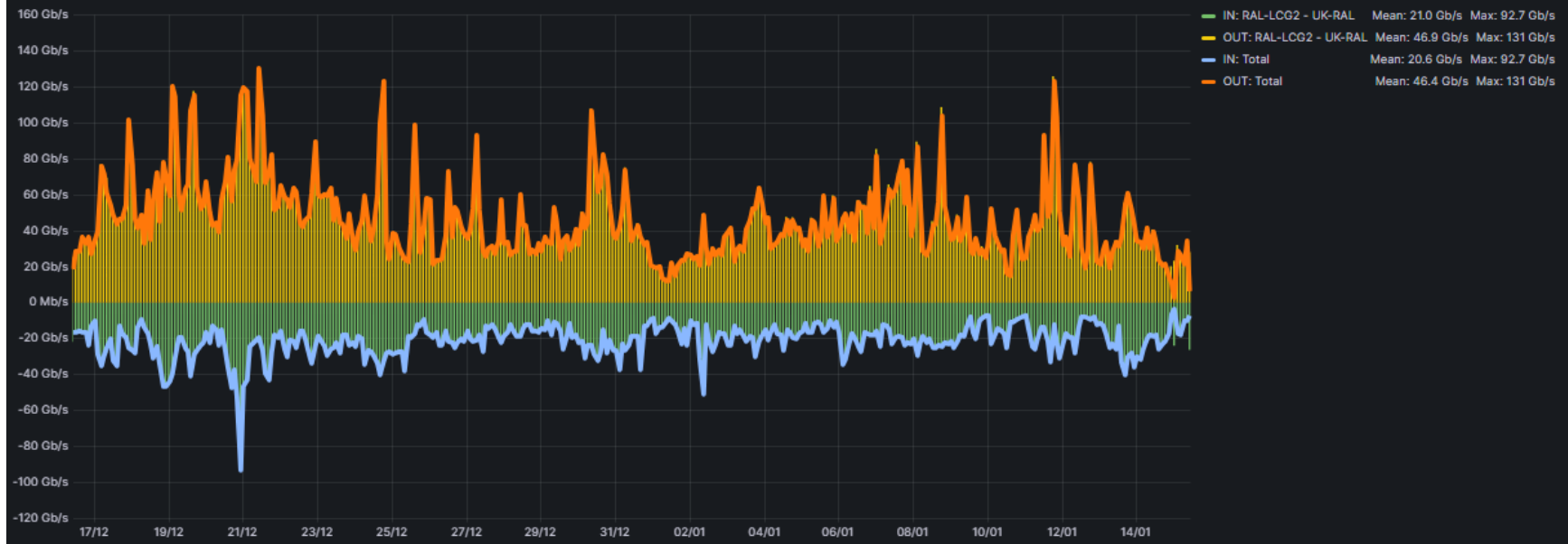
Monthly Average Cores in use / allocation

group_ALICE	group_ATLAS	group_CMS	group_LHCB	group_LIGO	group_NONLHC
251%	16%	90%	215%	0%	46%

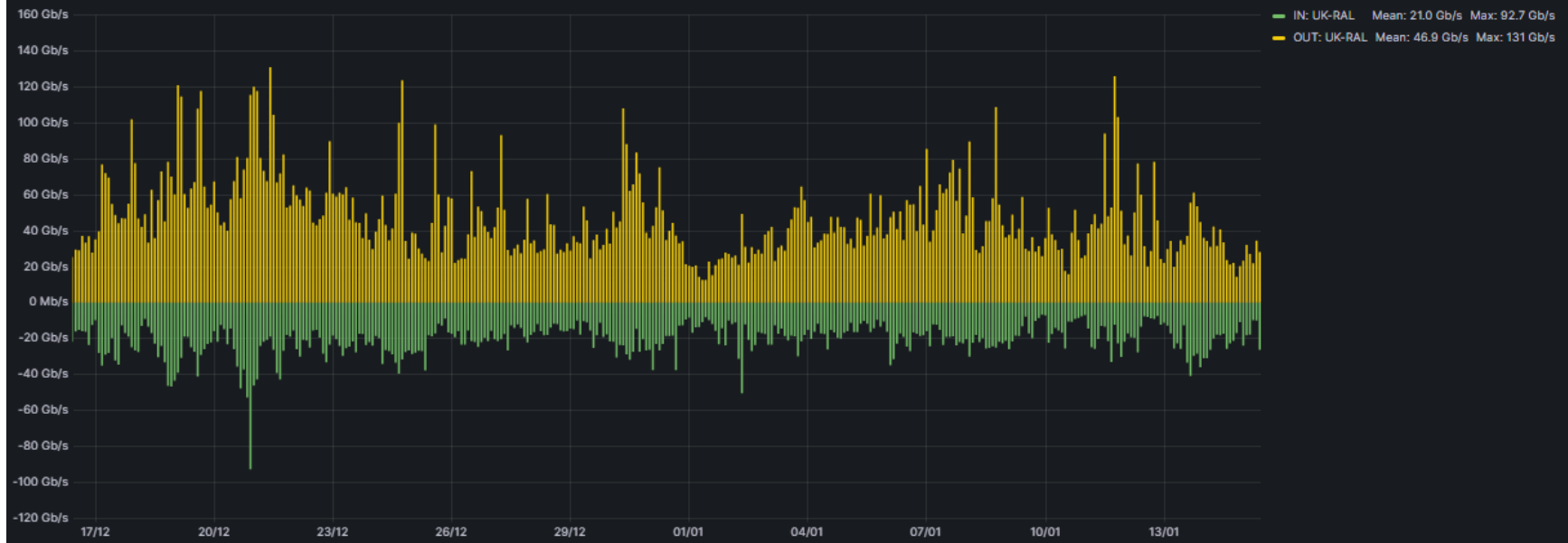


<https://monit-grafana-open.cern.ch/d/Mwuxgoglk/wlcg-site-network?orgId=16&var-site=RAL-LCG2&var-binning=1h&from=now-30d&to=now>

WLCG Site Network Input/Output

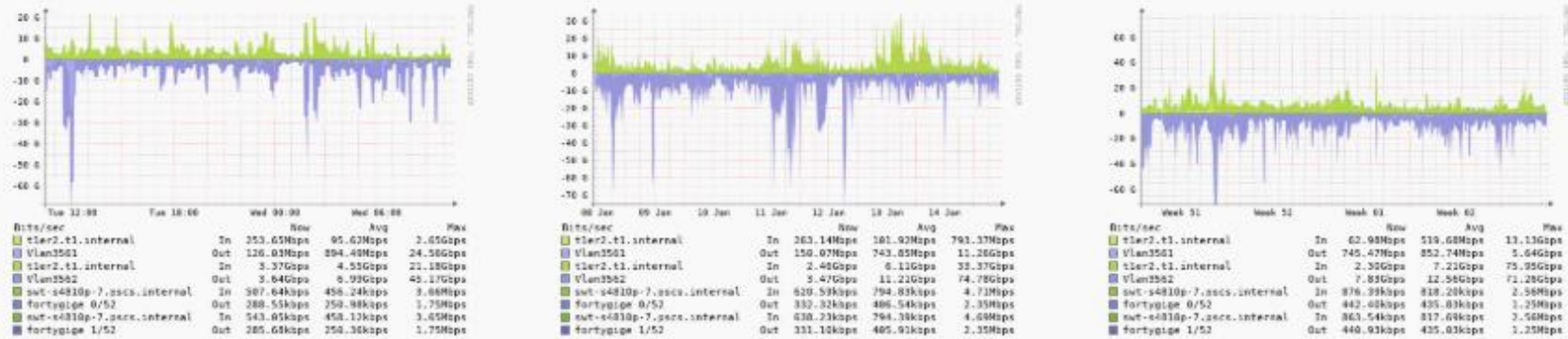


WLCG NetSite Network Input/Output



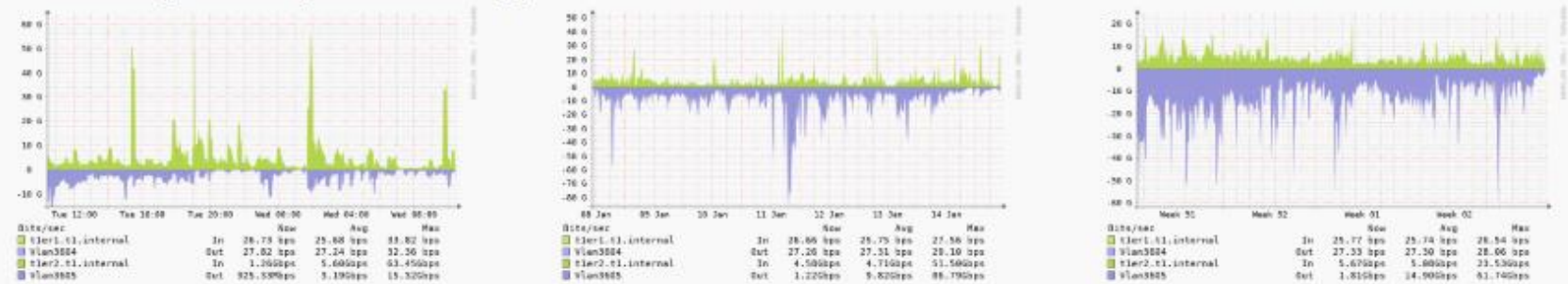
<https://librenms.gridpp.rl.ac.uk/ifttype/type=LHCOPN>

## Total Graph for ports of type : LHCOPN



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

## Total Graph for ports of type : LHCONE



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

## T1\_UK\_RAL

**GGUS Tickets:** 165969

**Downtimes:**

<b>SAM Status:</b>	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	47%	33%
<b>Hammer Cloud:</b>	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
<b>FTS Status:</b>	0%	100%	97%	100%	0%	0%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%

<b>Site Readiness:</b>	97%	88%	99%	99%	89%	100%	95%	94%	99%	99%	96%	100%	99%	100%	43%	32%
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**Life Status:**

**Prod Status:**

**CRAB Status:**

**Rucio Status:**

30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Dec		Jan														

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

## T1\_UK\_RAL Site Status Detail (We, 2025-Jan-15 10:24 GMT)

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:	[168888]				
SAM Status					
Hammer Cloud					
FTS Status					
Site Readiness					
Summary					

**ATLAS:**

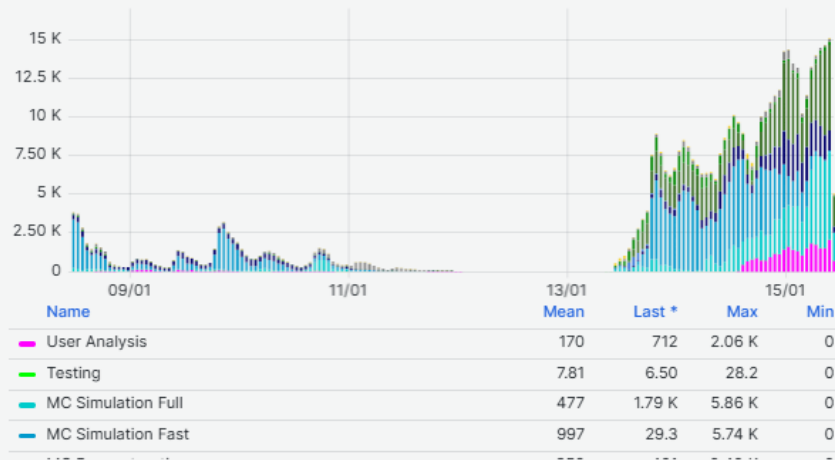
<https://hammercloud.cern.ch/hc/app/atlas/siteoverview/?site=RAL-LCG2&startTime=2024-07-17&endTime=2024-07-24&templateType=isGolden>



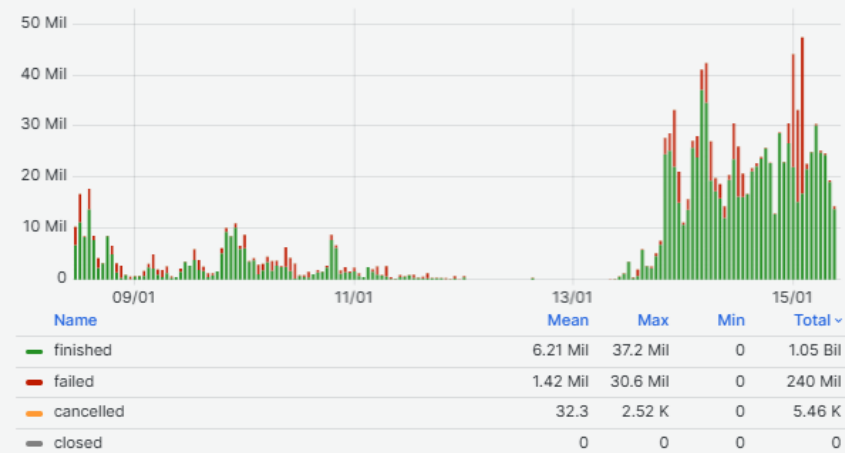


Site Dashboard: [https://monit-grafana.cern.ch/d/D26vElGGz/site-oriented-dashboard?orgId=17&var-bin=1h&var-groupby\\_jobs=adactivity&var-groupby\\_ddm=activity&var-cloud=All&var-country=All&var-federation=All&var-site=RAL-LCG2&var-computingsite=All&var-jobtype=All&var-es\\_division\\_factor=1&var-measurement=ddm\\_transfer\\_1h](https://monit-grafana.cern.ch/d/D26vElGGz/site-oriented-dashboard?orgId=17&var-bin=1h&var-groupby_jobs=adactivity&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)

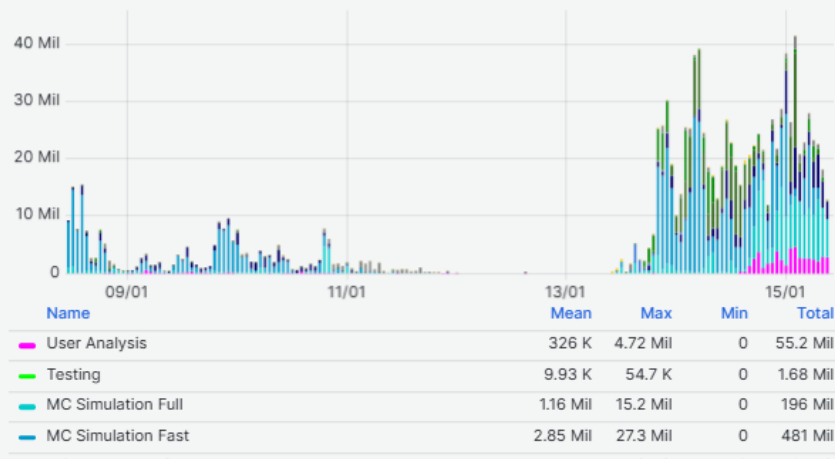
Slots of Running jobs [↗](#)



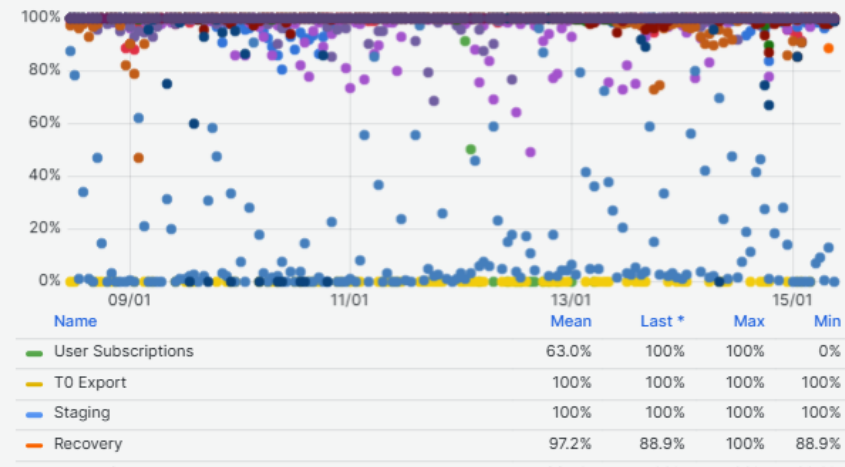
WallClock Consumption of Successful and Failed Jobs - Time Stacked Bar Graph [↗](#)



CPU Consumption: All jobs in Seconds [↗](#)



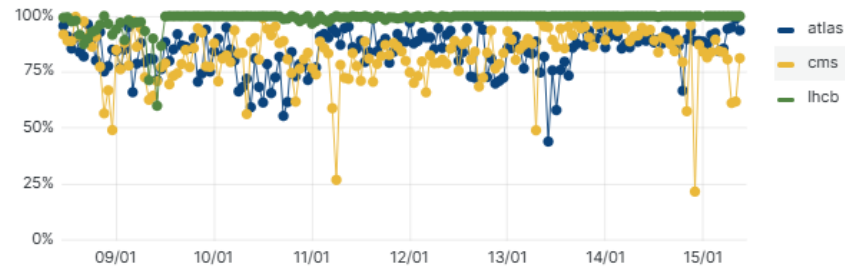
Transfer Efficiency [↗](#)



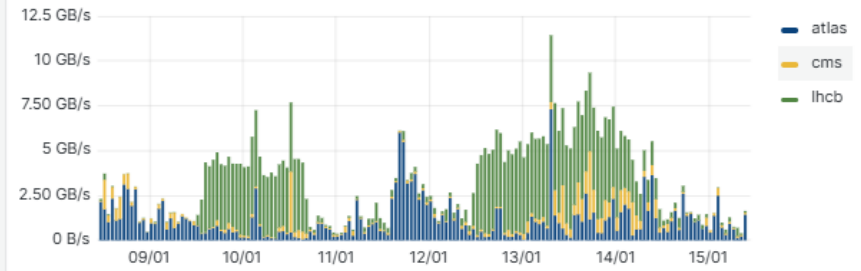
## Transfer Rates

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

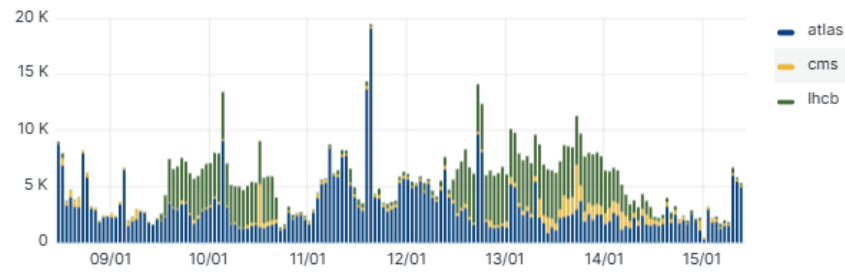
### Efficiency



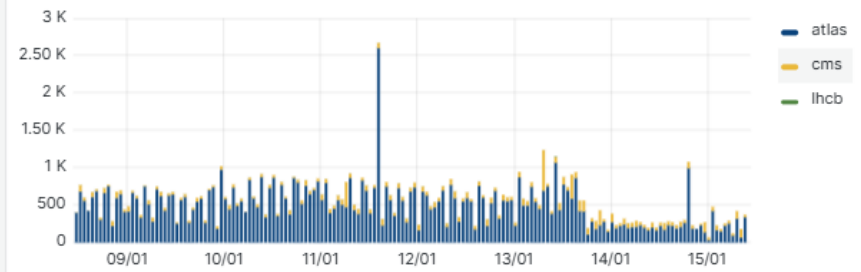
### Transfer Throughput



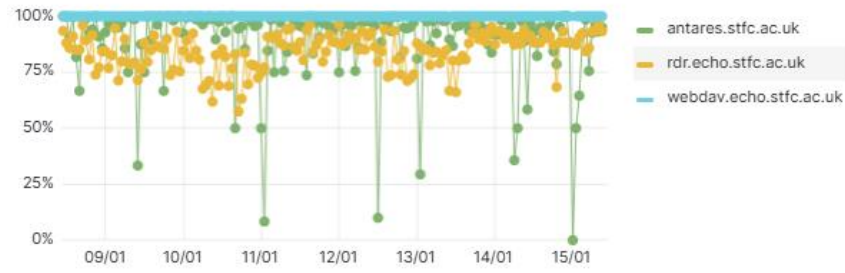
### Transfer Successes



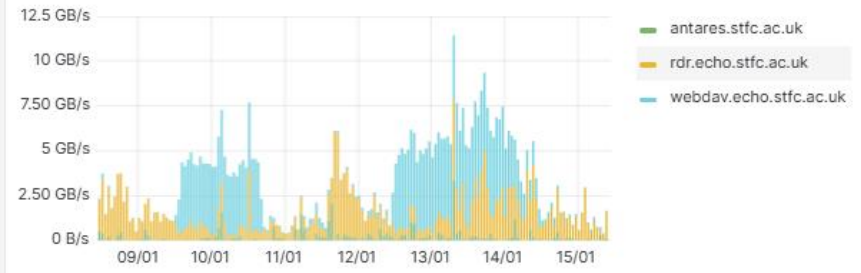
### Transfer Failures



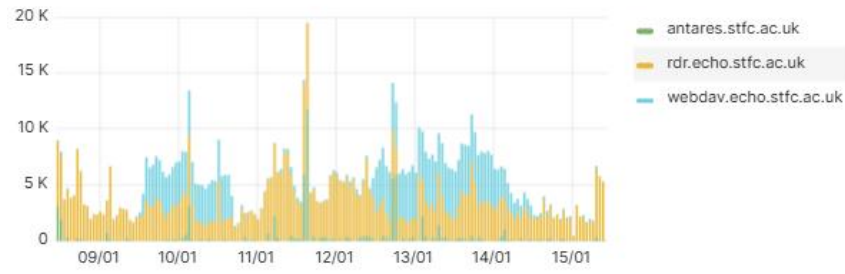
Efficiency



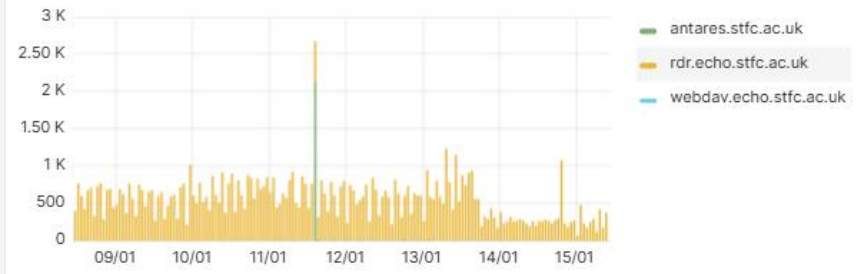
Transfer Throughput



Transfer Successes



Transfer Failures



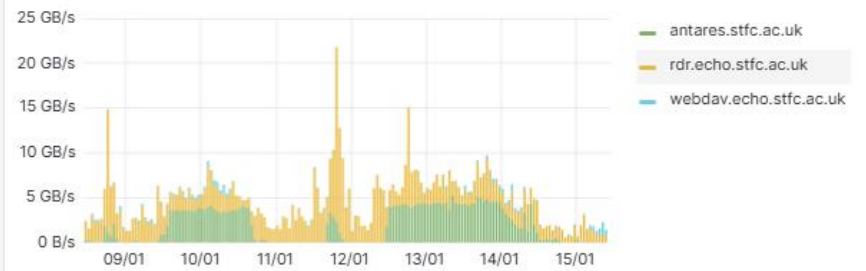
## RECALL

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

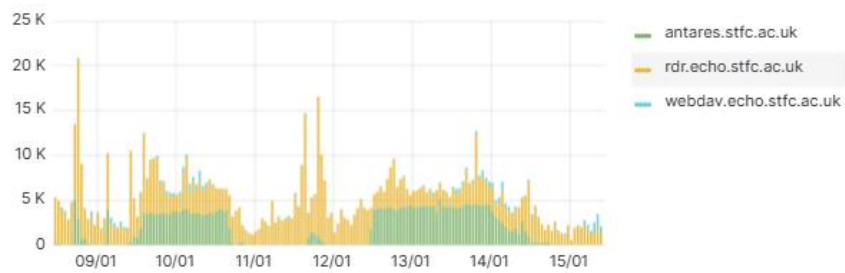
Efficiency



Transfer Throughput

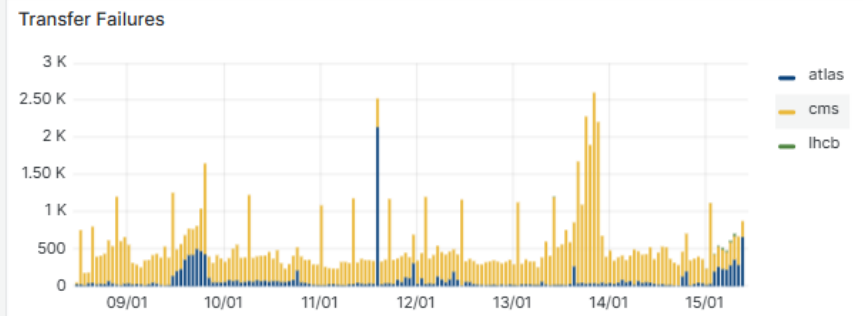
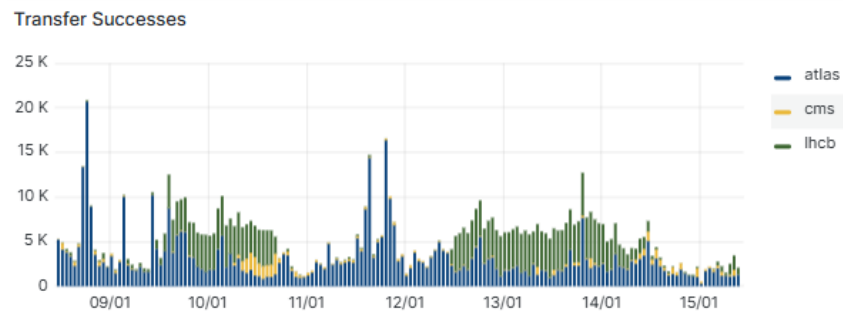
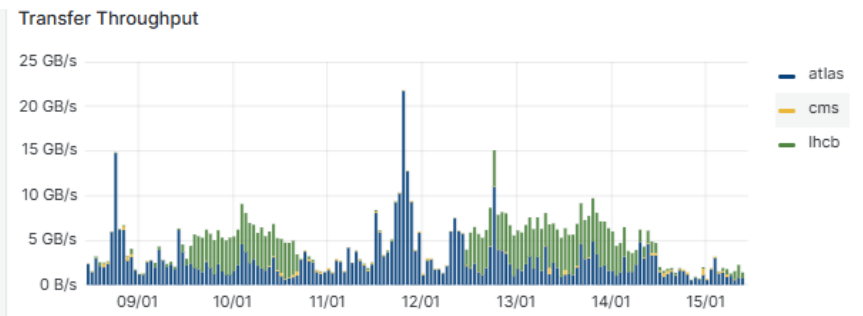
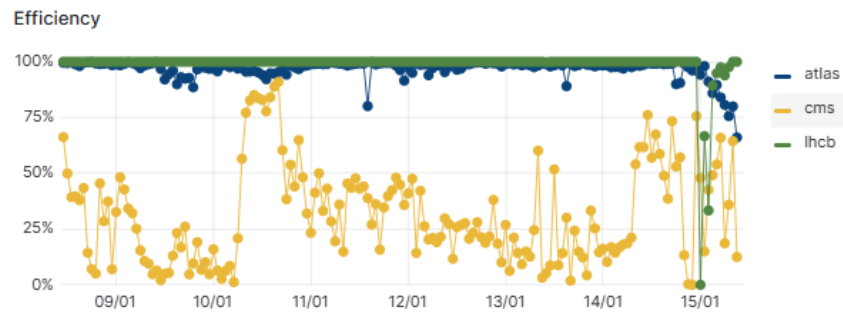


Transfer Successes

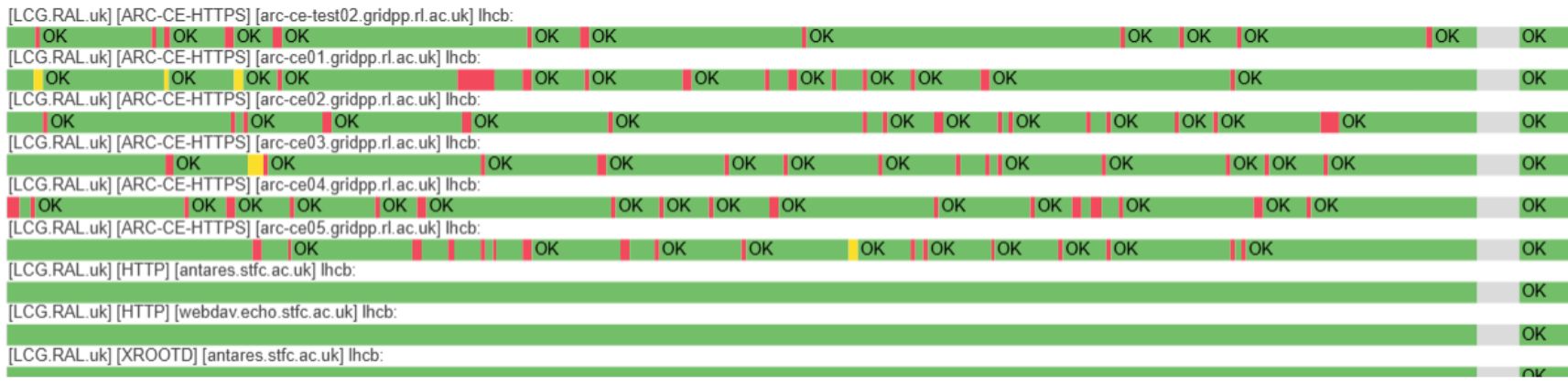


Transfer Failures





**LHCB:** [https://monit-grafana.cern.ch/d/000000619/wlcg-sitemon-historical-profiles?orgId=20&from=now-30d&to=now&var-vo=lhcb&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=lhcb&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:

Transfers to RAL:

Transfers from RAL:

ALICE

<https://tinyurl.com/aliceRALstorage>

Disk storage elements

RAL																							
AllEn SE			Catalogue statistics (1024-base units)					Storage-provided information (1024-base units)					Functional tests				Last day add tests		Demotion	IPv6			
SE Name	AllEn 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	1.235 PB	783.6 TB	61.74%	14,660,454	CEPH	2 PB	0	2 PB	-	Xrootd v5.7.0						15.01.2025 11:03	24	0		0
<b>Total</b>			<b>2 PB</b>	<b>1.235 PB</b>	<b>783.6 TB</b>		<b>14,660,454</b>		<b>2 PB</b>	<b>0</b>	<b>2 PB</b>				<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>					<b>1</b>

What is this about?

Custodial storage elements

RAL																								
AllEn SE			Catalogue statistics (1024-base units)					Storage-provided information (1024-base units)					Functional tests				Last day add tests		Demotion	IPv6				
SE Name	AllEn 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	1.49 PB	1.236 PB	54.67%	659,451	TAPE	209.5 TB	6.788 TB	202.7 TB	3.24%	Xrootd 5.6.10-1.el9.x86_64						15.01.2025 10:51	24	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 5.7.1-1.el9.x86_64						15.01.2025 10:53	24	0		0	Test...
<b>Total</b>			<b>2.727 PB</b>	<b>1.49 PB</b>	<b>1.237 PB</b>		<b>659,451</b>		<b>210.5 TB</b>	<b>6.789 TB</b>	<b>203.7 TB</b>				<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>					<b>0</b>	