

Tier1 Report 22/01/2025

Activity for Last Week:

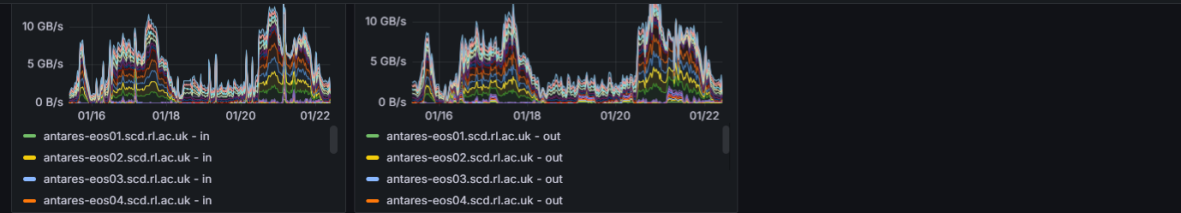
- Macro-segmentation implementation caused a blip in transfer errors
 - Change to 50mins rather than 10
- LHCb ARC-CE tests in warning
- ATLAS Event Index jobs blacklisted

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>



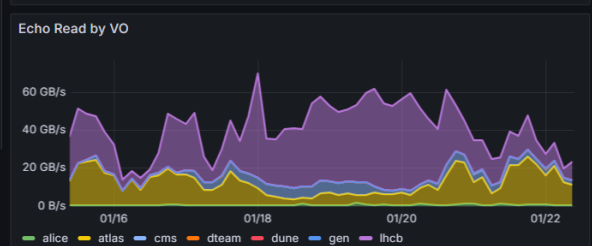
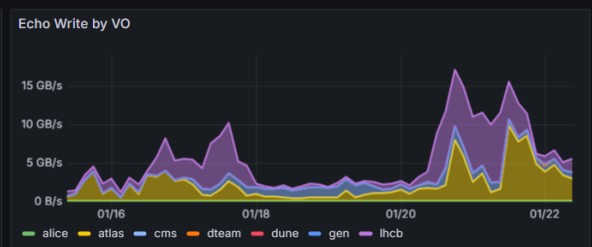
Antares



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

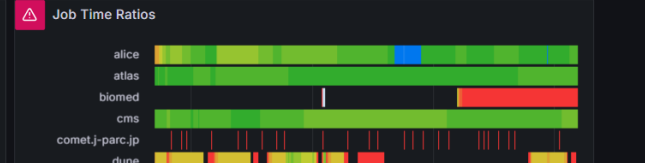
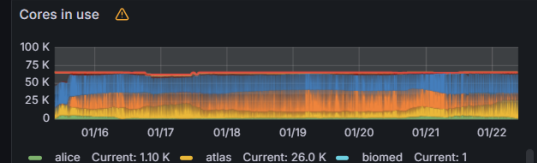


Batch Services

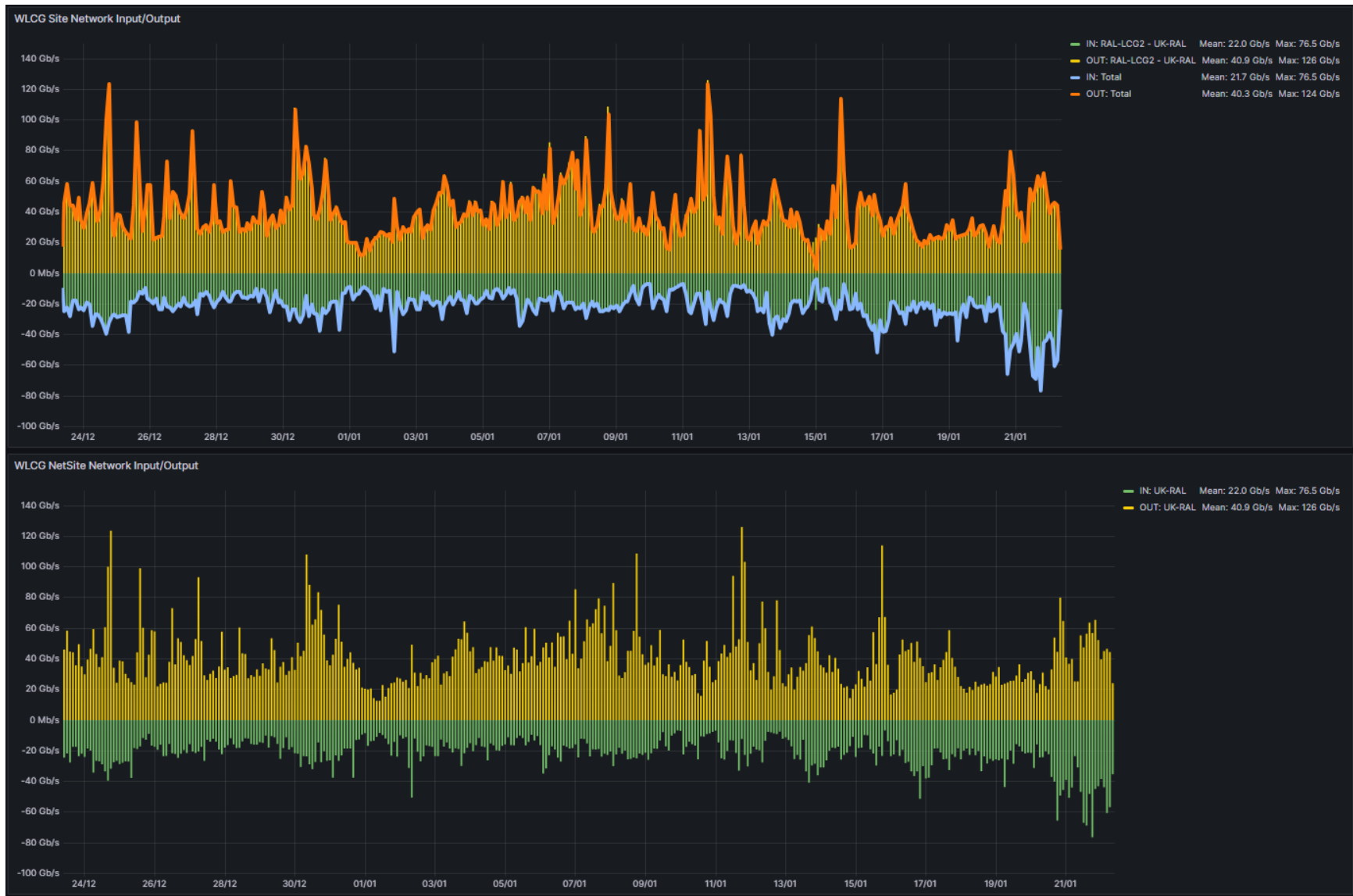
Available	A	Ti	Available	Used Cor	R	Efficiency
99.0%	100%	99.0%	64822	64144	39812	91.2%

Monthly Average Cores in use / allocation

group_ALICE	group_ATLAS	group_CMS	group_LHCB	group_LIGO	group_NONLHC
247%	23%	140%	191%	0%	43%

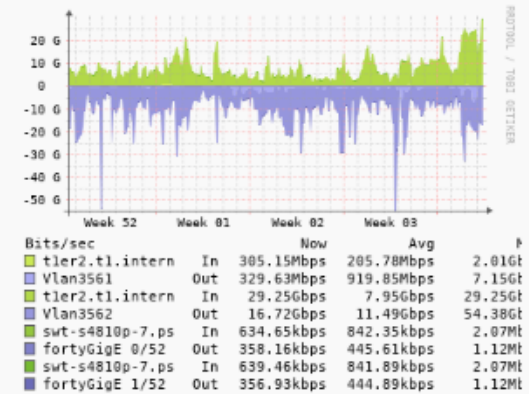
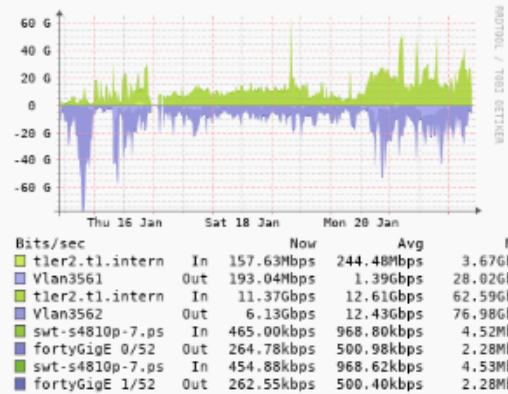
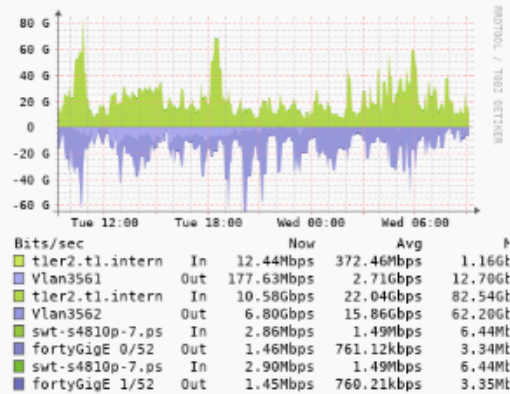


<https://monit-grafana-open.cern.ch/d/Mwuxgoglk/wlcg-site-network?orgId=16&var-site=RAL-LCG2&var-binning=1h&from=now-30d&to=now>



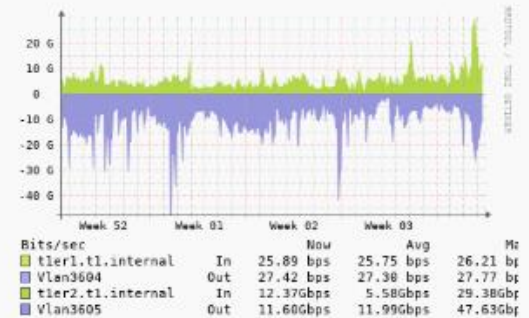
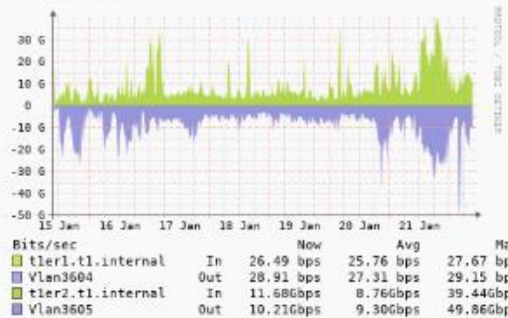
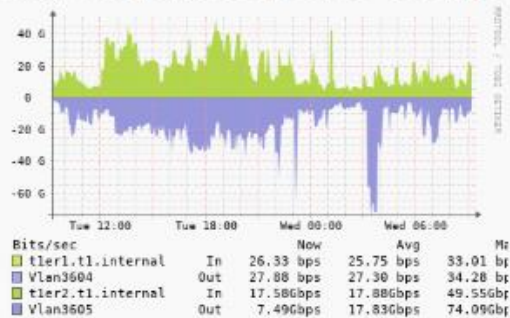
<https://librenms.gridpp.rl.ac.uk/ifttype/type=LHCOPN>

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

T1_UK_RAL

GGUS Tickets: 165969

Downtimes:

SAM Status:	100%	100%	100%	100%	100%	100%	100%	47%	33%	52%	96%	100%	100%	100%	100%	96%
Hammer Cloud:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
FTS Status:	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%

Site Readiness:	94%	99%	99%	96%	100%	99%	100%	43%	32%	47%	70%	99%	100%	100%	99%	94%
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Life Status:

Prod Status:

CRAB Status:

Rucio Status:

6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
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Jan

https://cmsst.web.cern.ch/siteStatus/detail.html?site=T1_UK_RAL

Metric	Prev. Month	Previous Week	Yesterday	UTC Today
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				

antares.stfc.ac.uk / WEBDAV

ATLAS:

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

Template: 1184 (functional) - PFT mc15 Sim_tf 21.0.15 FC

Time	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Eff%	
22/01/25	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	m	0	0	0	0	0	0	0	0	100
21/01/25	c	c	c	c	c	c	c	c	c	s	c	c	c	f	c	s	s	f	c	c	c	c	c	c	c	94
20/01/25	c	c	c	c	s	s	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	100
19/01/25	s	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	100
18/01/25	c	c	c	c	c	s	s	c	c	c	s	s	c	c	c	c	c	c	c	c	c	c	c	s	c	100
17/01/25	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	100
16/01/25	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	100
15/01/25	s	s	s	s	m	s	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	98

Error Report [+] Expand

10 entries per page

Search:

Showing 1 to 6 of 6 entries

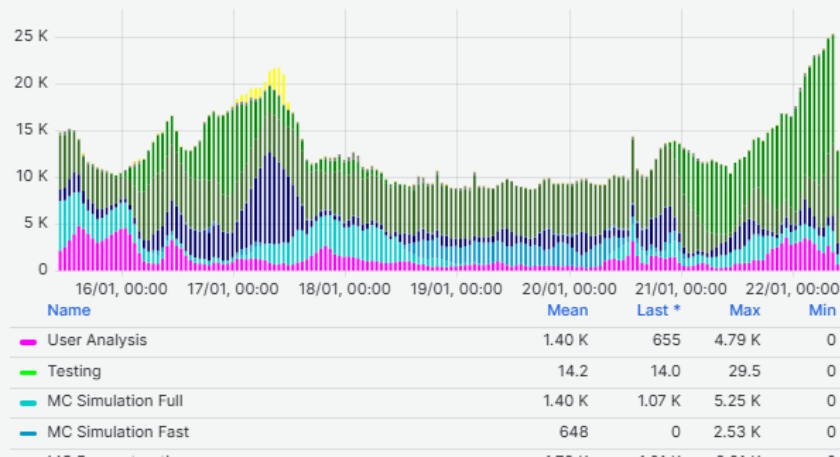
RAL-LCG2_MCORE

Template: 1184 (functional) - PFT mc15 Sim_tf 21.0.15 FC

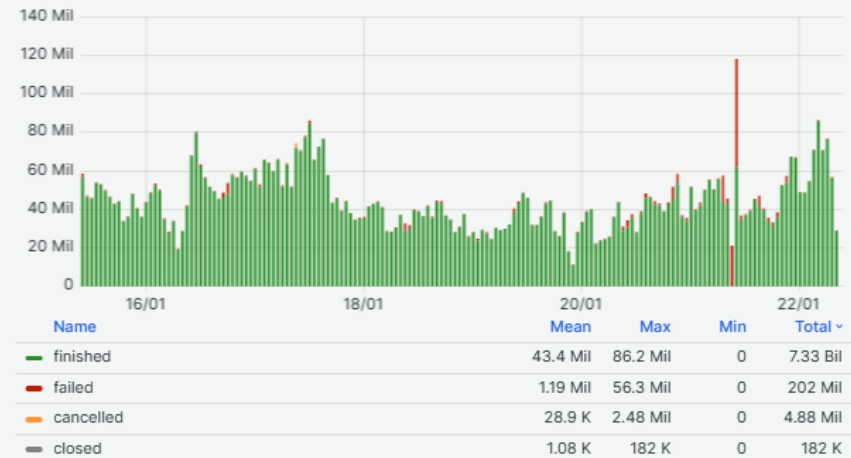
Time	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Eff%	
22/01/25	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	r	0	0	0	0	0	0	0	0	100
21/01/25	c	c	c	c	c	c	c	c	c	c	s	c	c	c	s	c	s	s	s	c	s	m	c	c	c	98
20/01/25	c	c	s	s	s	s	s	s	s	s	s	s	s	c	s	s	c	s	s	s	s	c	c	s	c	100
19/01/25	c	c	s	s	s	s	c	s	s	c	s	s	s	s	s	s	s	s	c	c	c	s	c	s	c	100
18/01/25	s	c	c	s	s	s	s	s	s	s	s	s	s	s	s	c	s	s	s	s	s	s	s	s	c	100
17/01/25	c	c	s	c	s	c	s	s	c	s	s	s	s	c	c	c	c	c	s	s	s	c	c	s	c	100
16/01/25	s	c	s	c	c	c	s	c	c	c	s	s	s	f	s	s	s	s	s	s	s	c	c	s	c	97
15/01/25	s	c	s	f	c	c	c	c	c	s	c	c	c	c	c	s	s	c	s	s	c	s	s	c	s	97

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

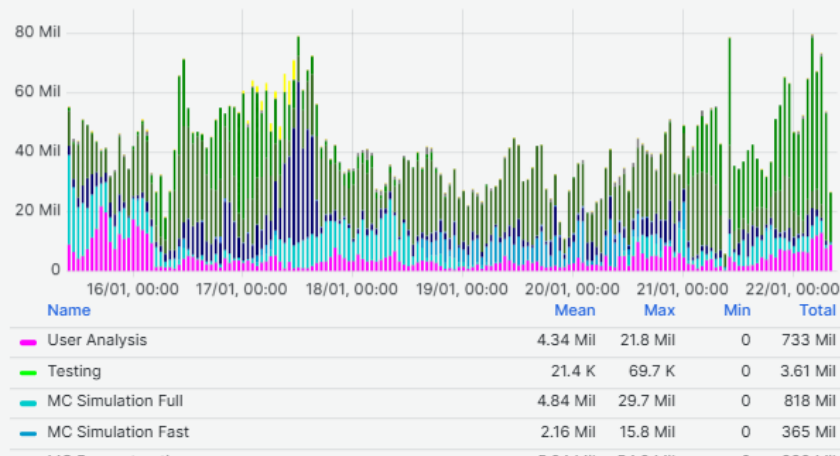
Slots of Running jobs



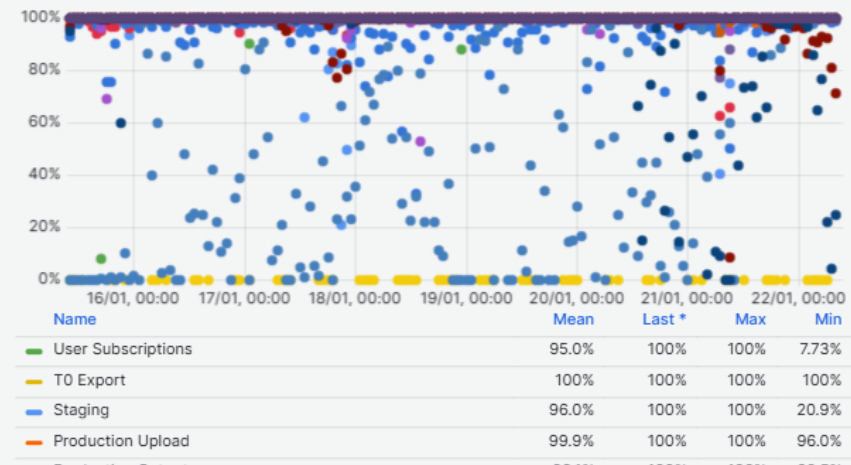
WallClock Consumption of Successful and Failed Jobs - Time Stacked Bar Graph



CPU Consumption: All jobs in Seconds

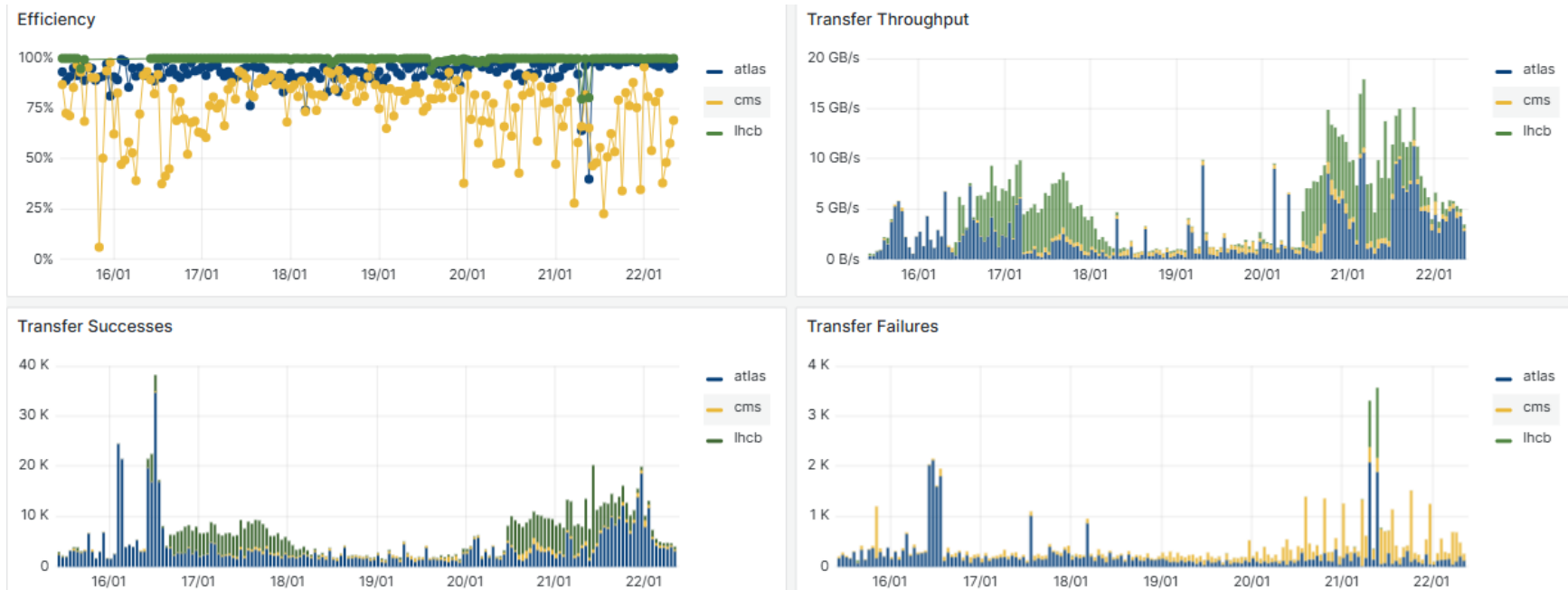


Transfer Efficiency

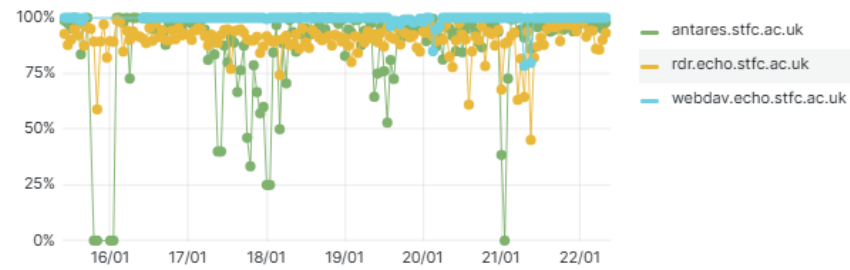


Transfer Rates

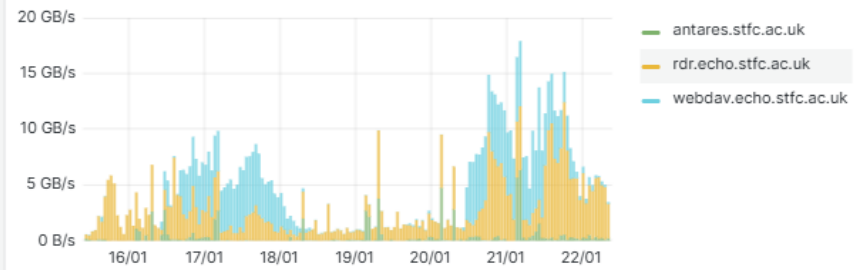
<https://tinyurl.com/RAL-Ingest-FTS>



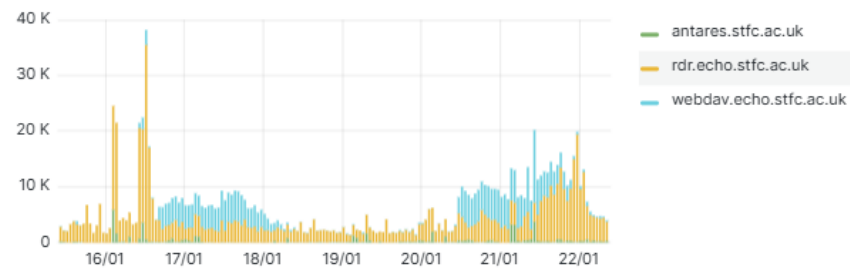
Efficiency



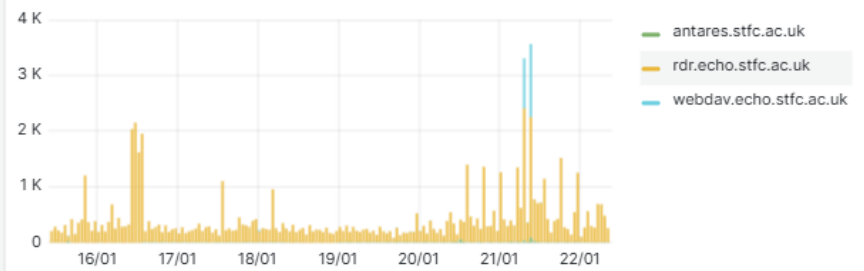
Transfer Throughput



Transfer Successes



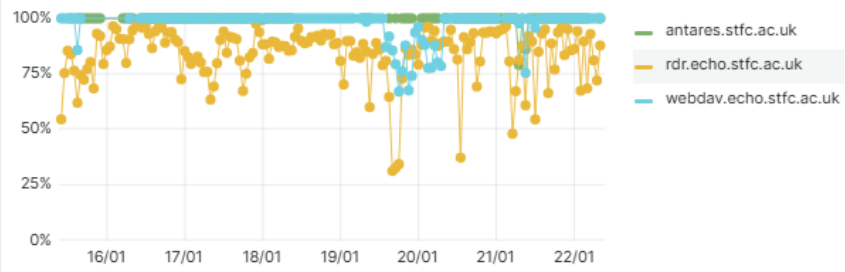
Transfer Failures



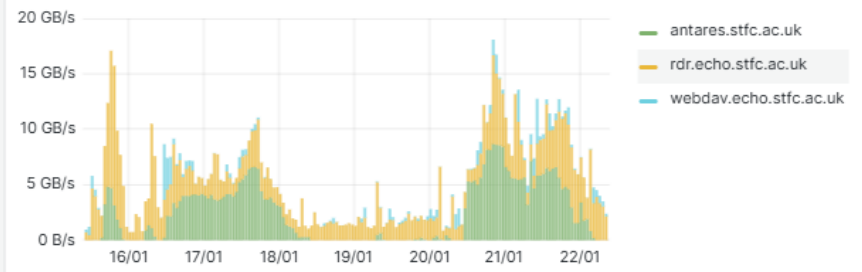
RECALL

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

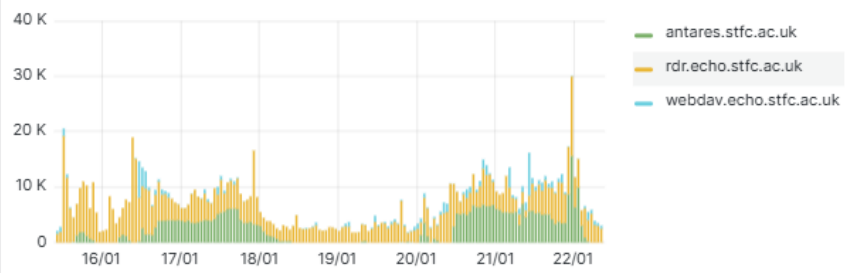
Efficiency



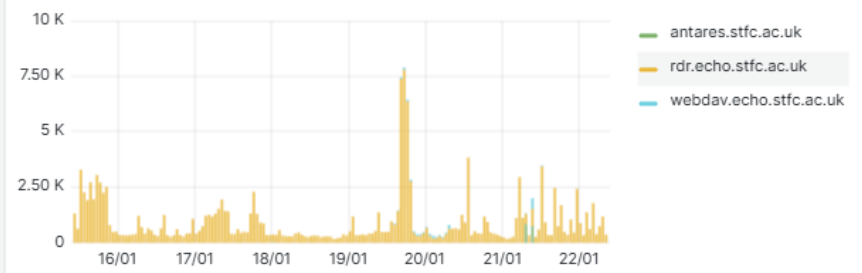
Transfer Throughput

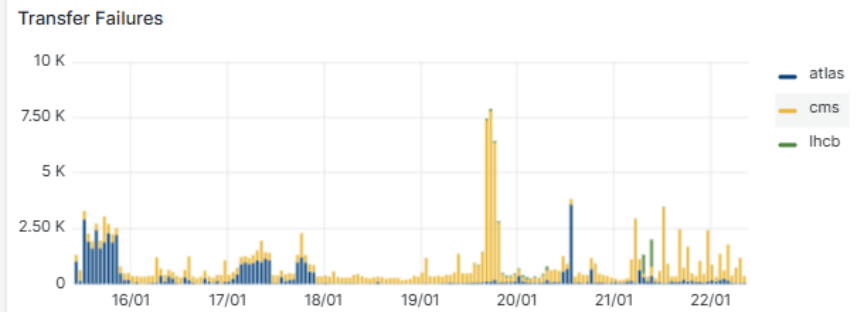
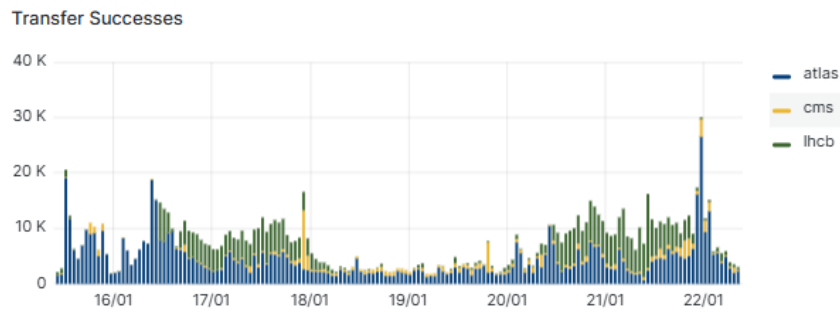
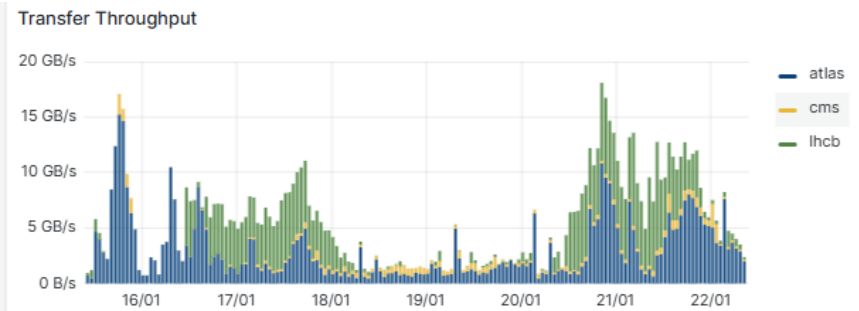
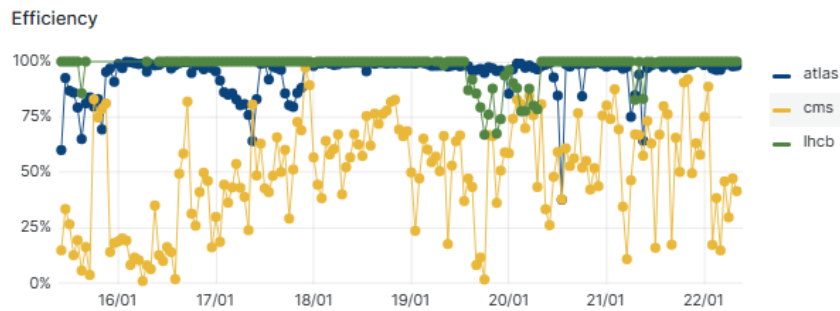


Transfer Successes

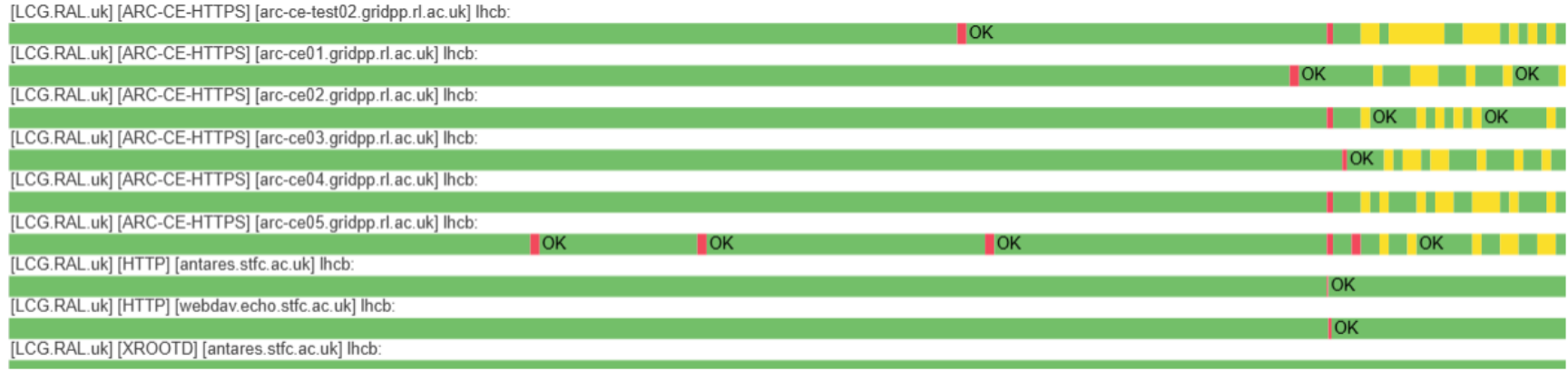


Transfer Failures





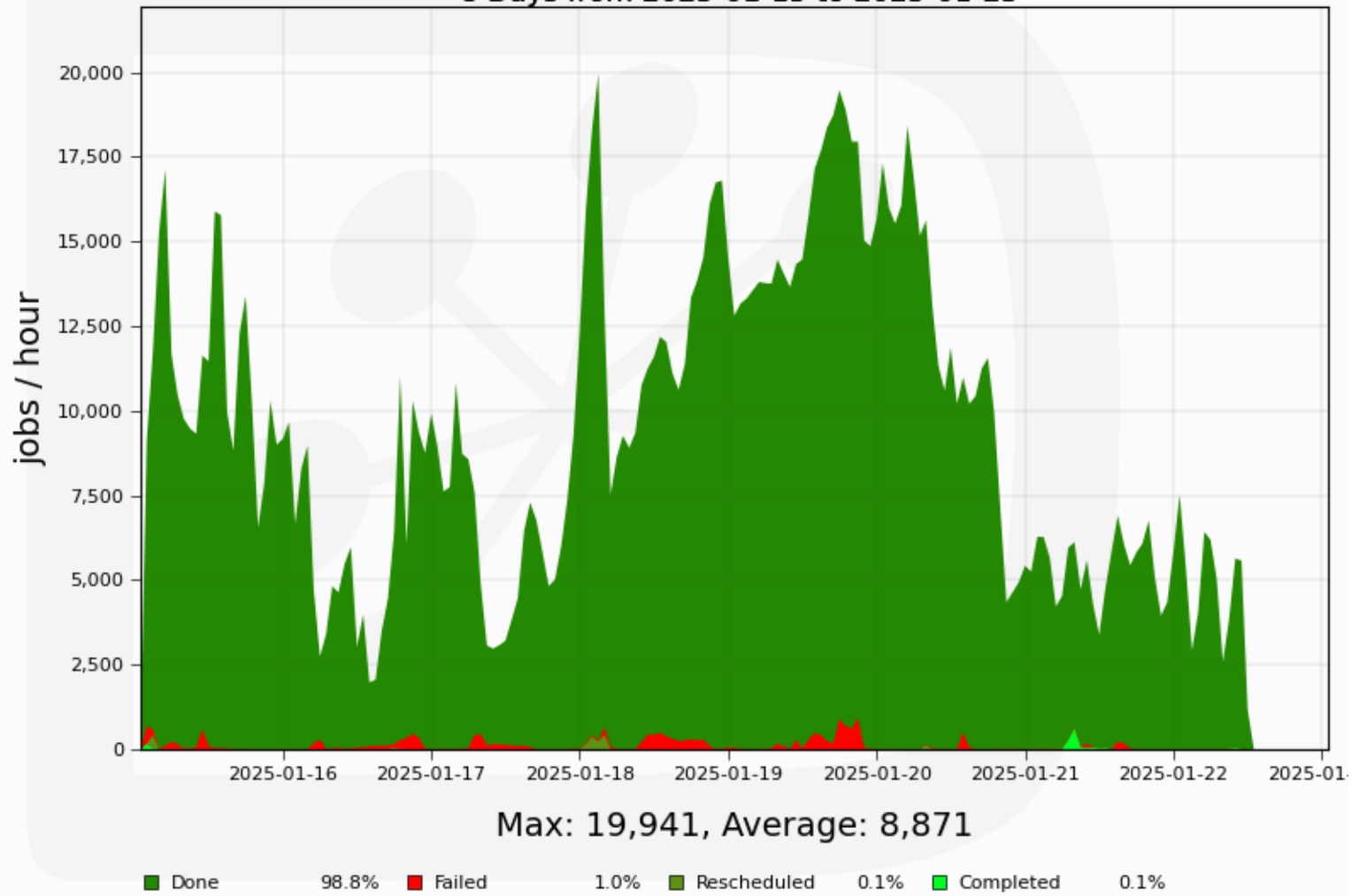
LHCB: https://monit-grafana.cern.ch/d/000000619/wlcg-sitemon-historical-profiles?orgId=20&from=now-30d&to=now&var-vo=lhcb&var-profile=LHCB_CRITICAL&var-dst_tier=1&var-dst_country=UK&var-dst_federation=All&var-dst_experiment_site=LCG.RAL.uk&var-service_flavour=ARC-CE&var-dst_hostname=All&var-recomputation=status



Jobs:

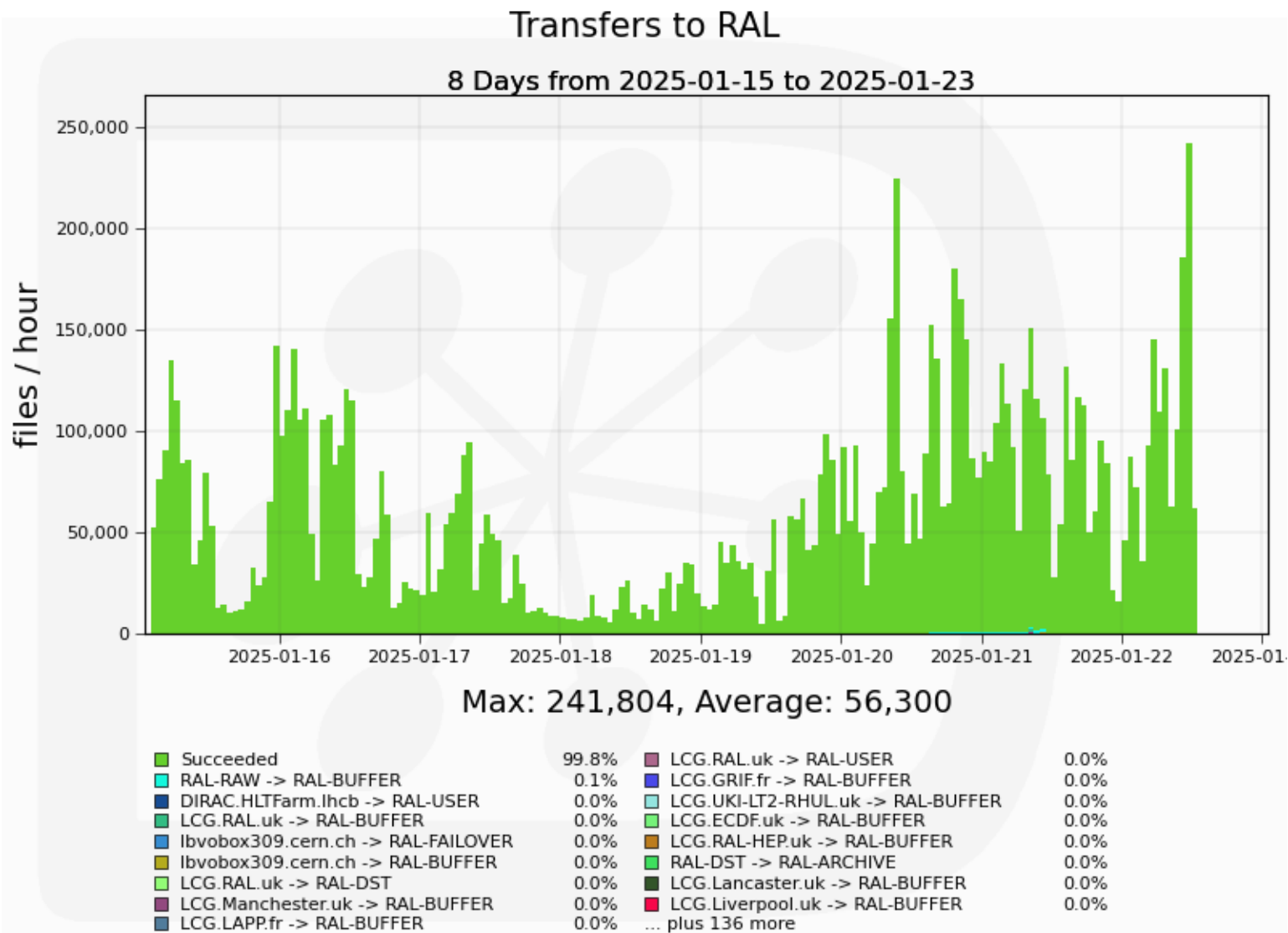
Jobs by FinalMajorStatus

8 Days from 2025-01-15 to 2025-01-23



Generated on 2025-01-22 11:21:35 UTC

Transfers to RAL:

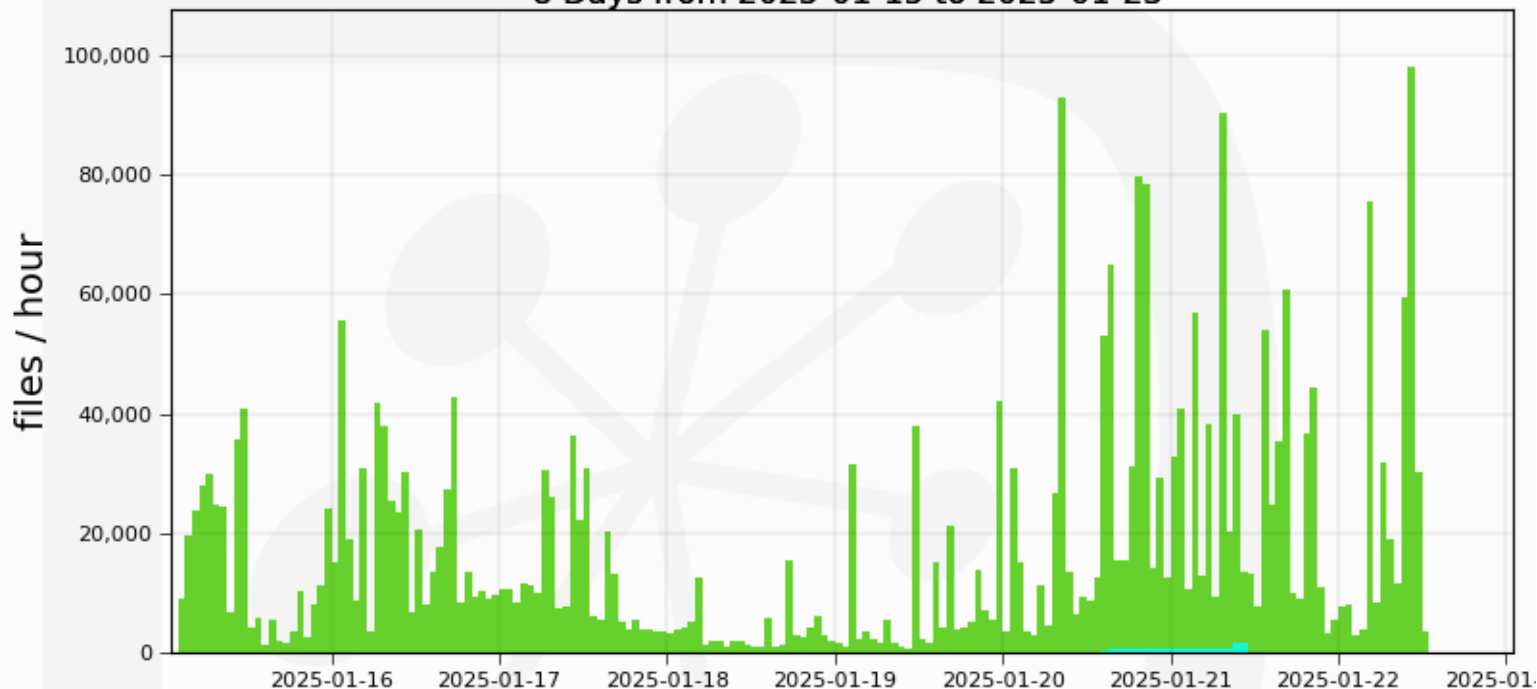


Generated on 2025-01-22 11:21:38 UTC

Transfers from RAL:

Transfers from RAL

8 Days from 2025-01-15 to 2025-01-23



Max: 97,906, Average: 16,085

■ Succeeded	99.5%	■ RAL_MC-DST -> UKI-LT2-QMUL_MC-DST	0.0%
■ RAL-RAW -> RAL-BUFFER	0.5%	■ RAL-DST -> Beijing-ARCHIVE	0.0%
■ RAL-FAILOVER -> CNAF-BUFFER	0.0%	■ RAL-USER -> DIRAC.HLTfarm.lhcb	0.0%
■ RAL-BUFFER -> DIRAC.HLTfarm.lhcb	0.0%	■ RAL-USER -> DIRAC.Client.uk	0.0%
■ RAL_MC-DST -> LZU_MC-DST	0.0%	■ RAL-FAILOVER -> RAL-BUFFER	0.0%
■ RAL-DST -> CNAF-DST	0.0%	■ RAL-FAILOVER -> CNAF-DST	0.0%
■ RAL-DST -> DIRAC.Client.ch	0.0%	■ RAL-DST -> Beijing-DST	0.0%
■ RAL-BUFFER -> LCG.RAL.uk	0.0%	■ RAL_MC-DST -> Glasgow_MC-DST	0.0%
■ RAL-DST -> RAL-ARCHIVE	0.0%	... plus 97 more	

Generated on 2025-01-22 11:21:43 UTC

<https://tinyurl.com/aliceRALstorage>

Non 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	1.232 PB	786.7 TB	61.59%	14,750,978	CEPH	2 PB	0	2 PB	-	Xrootd v5.7.0						22.01.2025 09:56	24	0		0
Total			2 PB	1.232 PB	786.7 TB		14,750,978		2 PB	0	2 PB				1	1	1	1					1

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	5.936 TB	203.5 TB	2.834%	Xrootd 5.6.10-1.el9.x86_64						22.01.2025 09:44	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						22.01.2025 09:46	24	0		0	Test...
Total			2.727 PB	1.49 PB	1.237 PB		659,451		210.5 TB	5.937 TB	204.5 TB				2	2	2	2					0	