

# Tier1 Report 18/12/2024

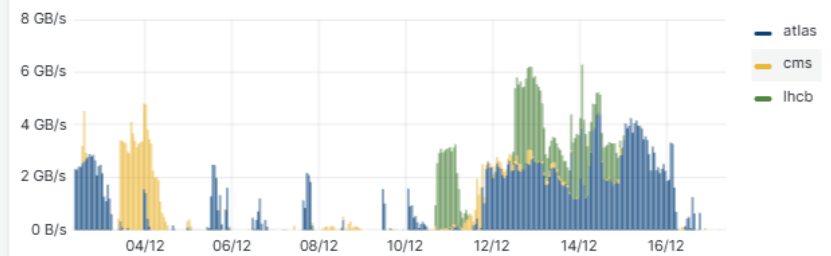
## Activity for Last Week:

- Antares Ingest

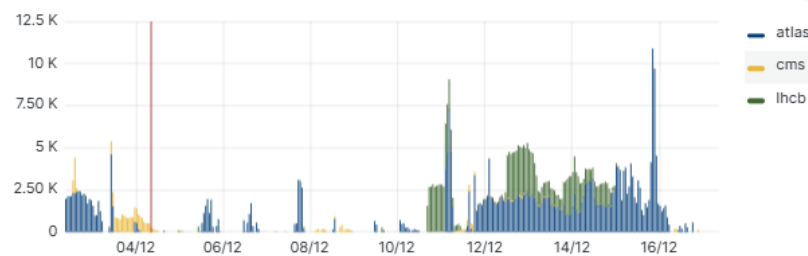
Efficiency



Transfer Throughput



Transfer Successes



Transfer Failures



- 
- CMS-AAA issue

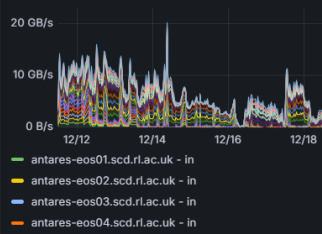
## Changes/News for upcoming week

- Batch
- Echo
- Tape
- Grid Services
- Network

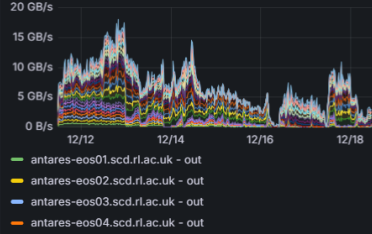
**New Summary Dashboard in progress.**

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

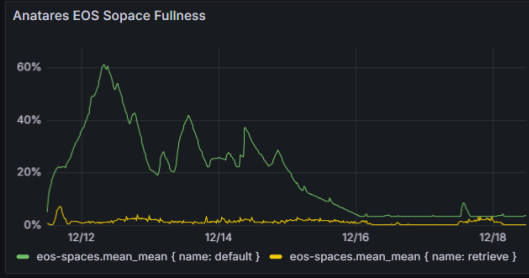
EOS node network rates in



EOS node network rates out



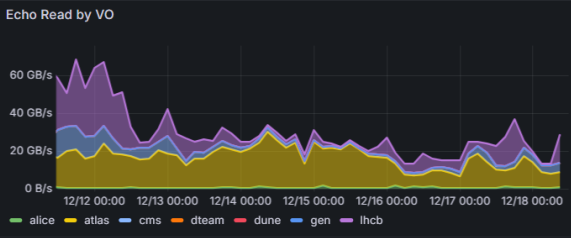
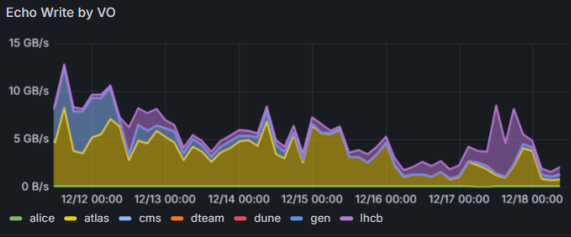
Antares



Echo

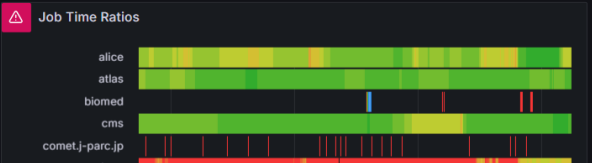
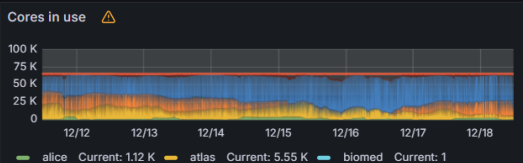
Joint xroot/WebDav Gateway Health ⚠

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

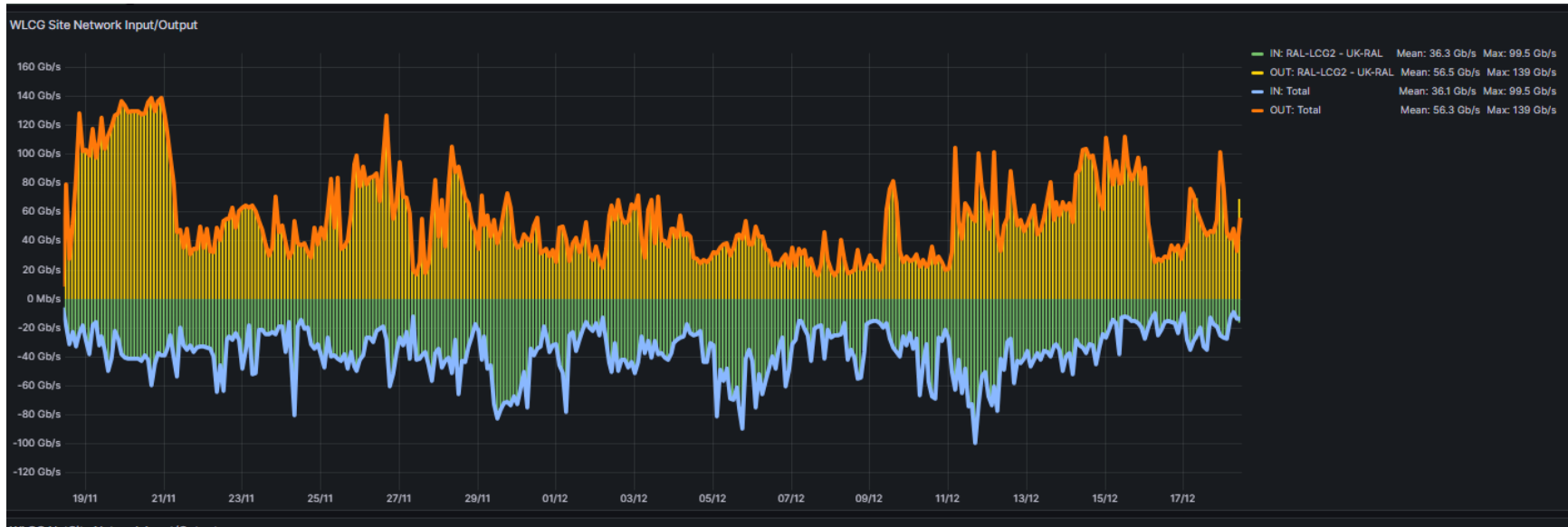


Batch Services

Available	A <sub>v</sub>	T <sub>c</sub>	Available	Used Cor	R <sub>t</sub>	Efficiency	Monthly Average Cores in use / allocation					
97.9%	99.8%	97.7%	64830	63478	28496	88.3%	group_ALICE 54%	group_ATLAS 59%	group_CMS 214%	group_LHCB 135%	group_LIGO 0%	group_NONLHC 50%

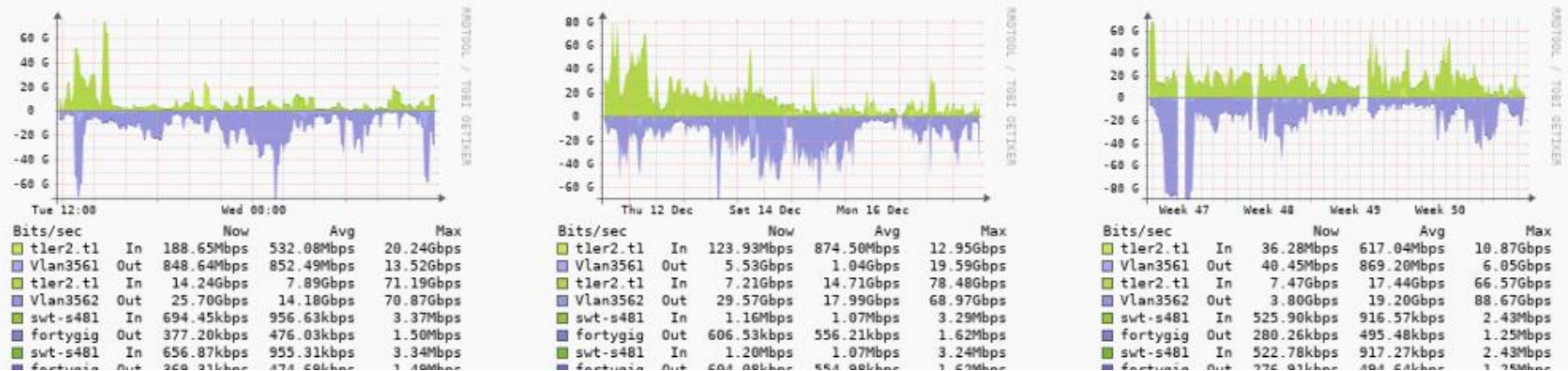


<https://monit-grafana-open.cern.ch/d/Mwuxgoglk/wlwg-site-network?orgId=16&var-site=RAL-LCG2&var-binning=1h&from=now-30d&to=now>



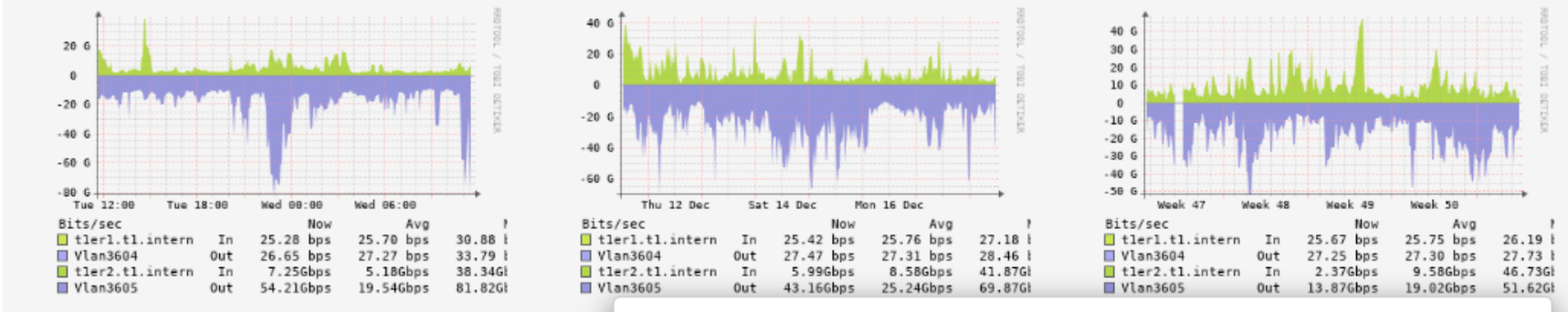
<https://librenms.gridpp.rl.ac.uk/ifttype/type=LHCOPN>

### 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](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%	100%	96%	100%	100%	100%	100%	100%	95%
Hammer Cloud:	100%	100%	100%	100%	100%	100%	100%	100%	100%	99%	99%	100%	100%	100%	100%
FTS Status:	0%	0%	100%	0%	0%	0%	0%	100%	94%	0%	0%	100%	0%	0%	100%

Site Readiness:	25%	43%	100%	100%	100%	96%	100%	100%	94%	97%	97%	100%	96%	97%	85%	94%
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Life Status:

Prod Status:

CRAB Status:

Rucio Status:

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Dec																

= ok / enabled  
 = warning / drain, test  
 = error / disabled

? = unknown / not set  
 WR = Waiting Room state  
 M = Morgue state

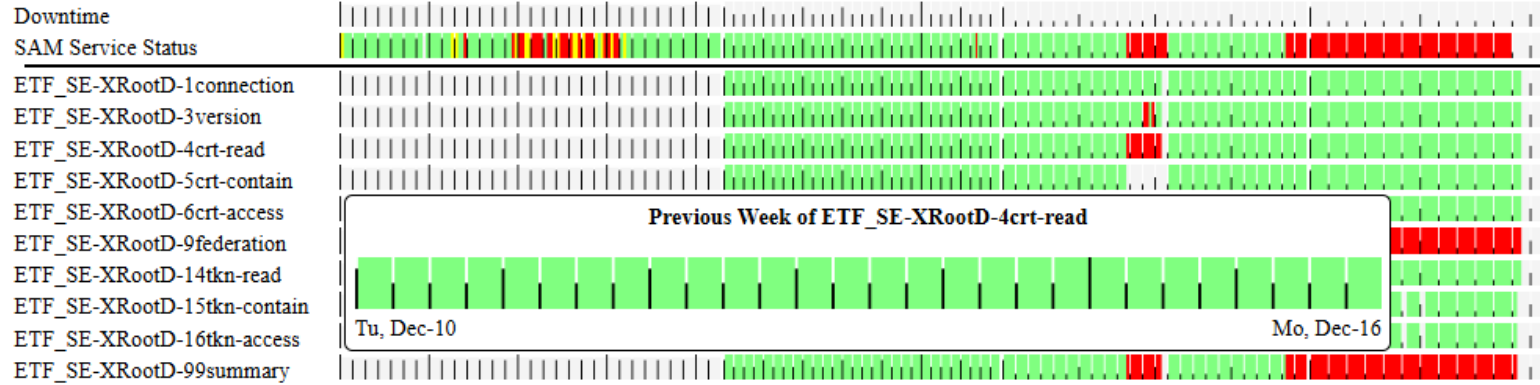
D = Scheduled Downtime  
 P = Partial Downtime  
 U = Ad Hoc Downtime

<https://cmsst.web.cern.ch/siteStatus/detail.html?site=T1 UK RAL>

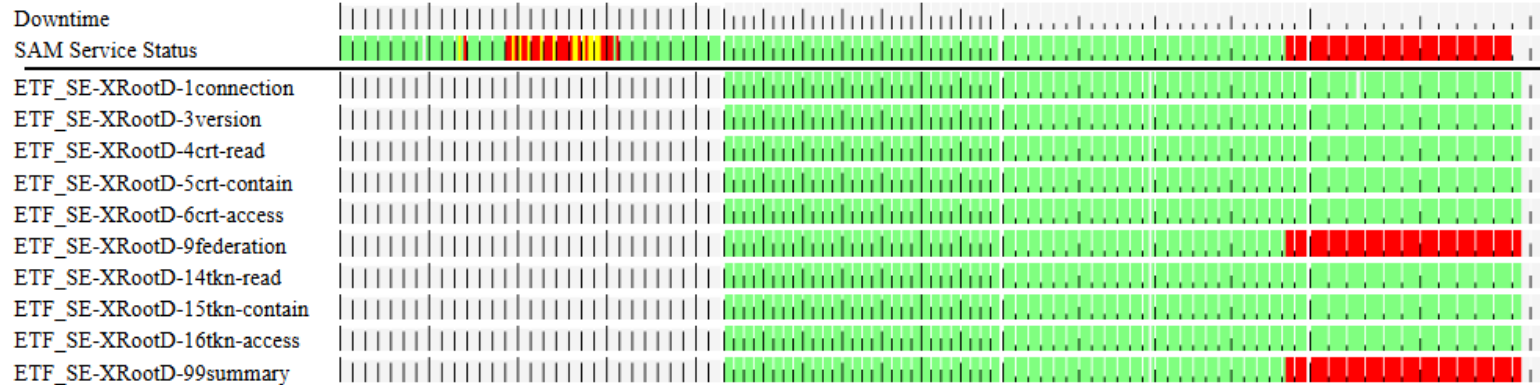
Metric	Prev. Month	Previous Week	Yesterday	UTC Today
Downtime(s)				
SAM (1day)				
HC (1day)				
FTS (1day)				
SiteReadiness (1day)				
Life Status				
Life Override				
Prod Status				
Prod Override				
Crab Status				
Crab Override				
Rucio Status				
Rucio Override				
GGUS tickets:	[167369] [168888]			[169451]
SAM Status				
Hammer Cloud				
FTS Status				
Site Readiness				
Summary				

10:00 AM WEDNESDAY

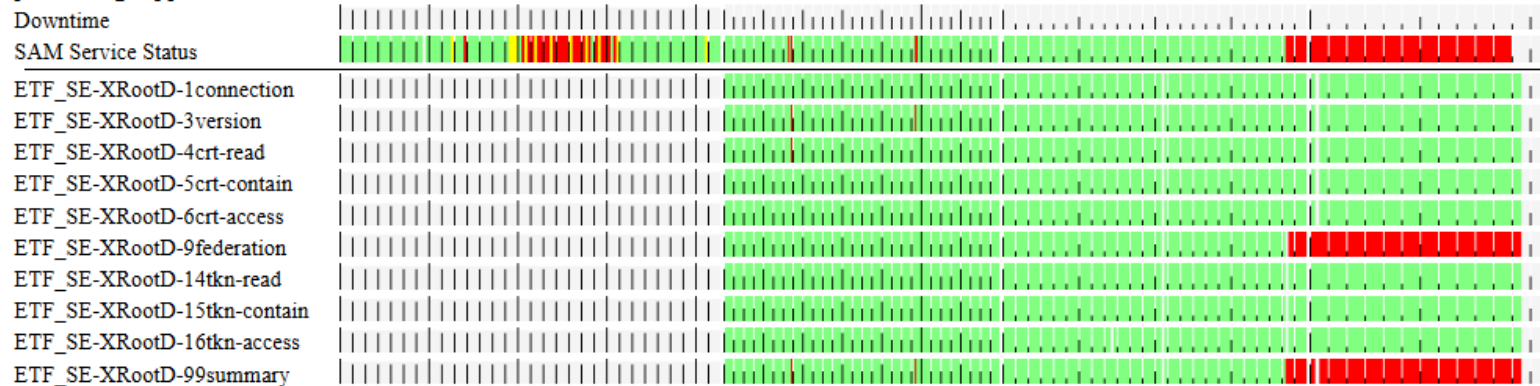
ceph-gw10.gridpp.rl.ac.uk / XROOTD



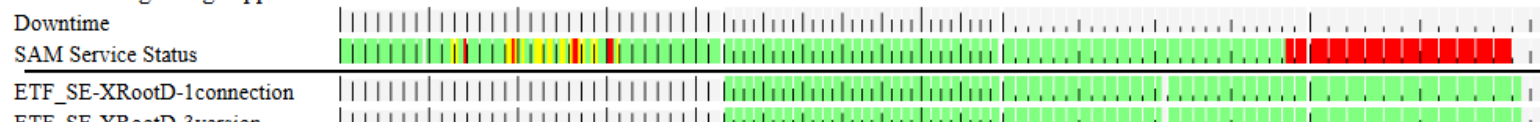
ceph-gw11.gridpp.rl.ac.uk / XROOTD



ceph-svc20.gridpp.rl.ac.uk / XROOTD

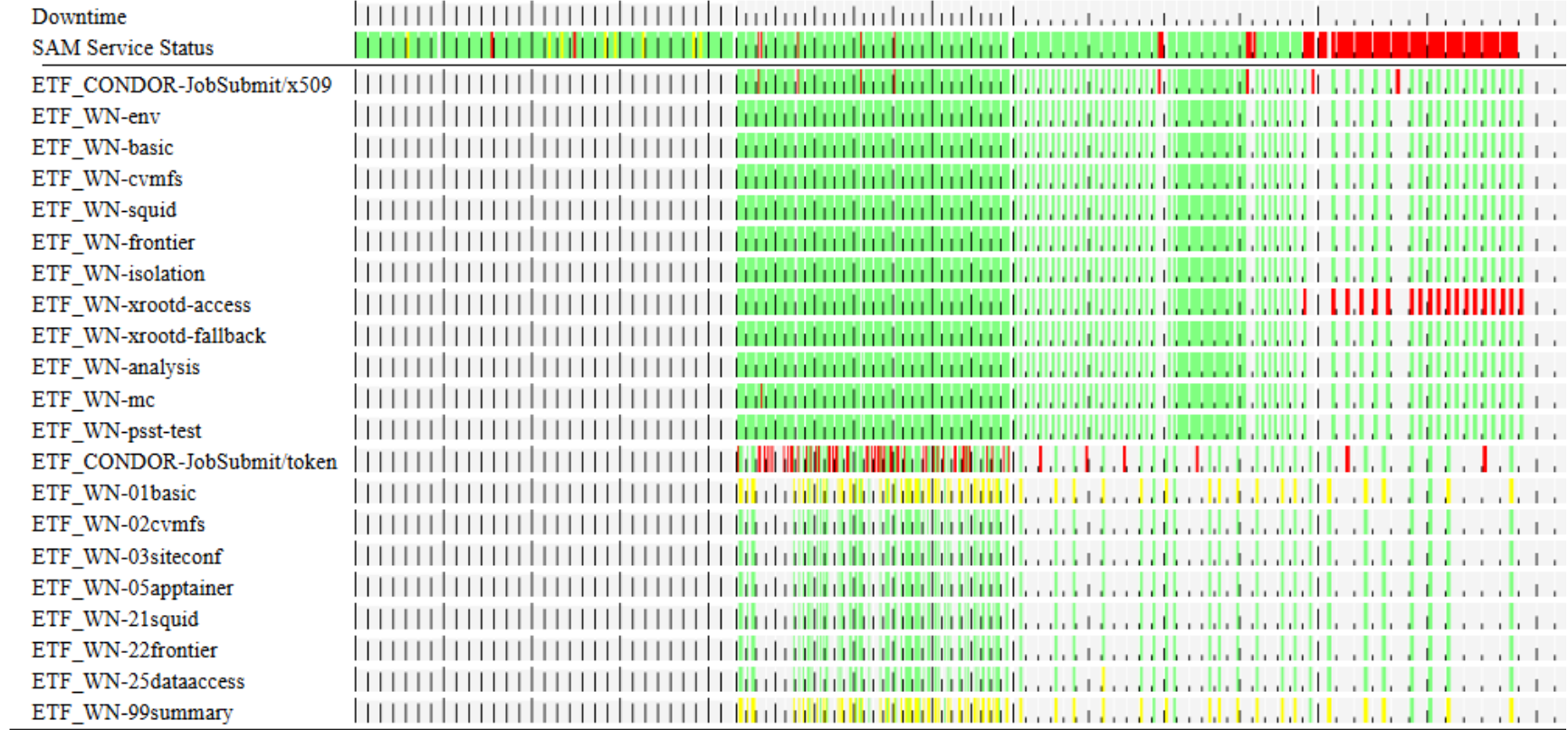


cms-aaa-manager01.gridpp.rl.ac.uk / XROOTD





arc-ce01.gridpp.rl.ac.uk / ARC-CE



**ATLAS:**

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

# RAL

1184 (functional) -...

1283 (functional) -...

1272 (functional) -...

1273 (functional) -...

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[%]		
18/12/24	c	c	s	s	s	s	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	100	
17/12/24	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	s	s	s	100
16/12/24	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	s	c	100
15/12/24	c	c	c	c	c	c	c	c	c	c	s	c	c	c	c	c	c	c	c	c	c	c	c	s	c	c	100
14/12/24	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	s	c	100
13/12/24	c	c	c	c	c	c	c	c	c	c	c	s	c	c	c	c	c	c	c	c	c	c	c	c	c	c	100
12/12/24	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	s	c	c	m	c	c	c	c	99
11/12/24	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	m	0	0	0	s	c	c	c	c	c	99

## Error Report

[+] Expand

10 entries per page

Search:

Showing 1 to 2 of 2 entries

« < 1 > »

# RAL-LCG2\_MCORE

1184 (functional) -...

1283 (functional) -...

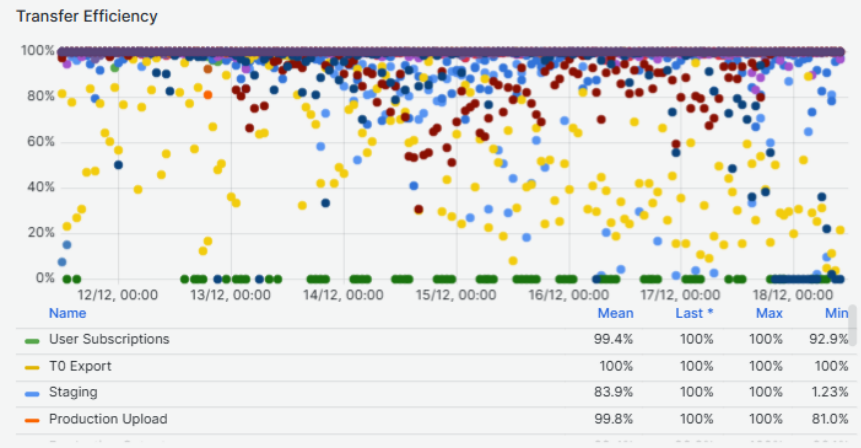
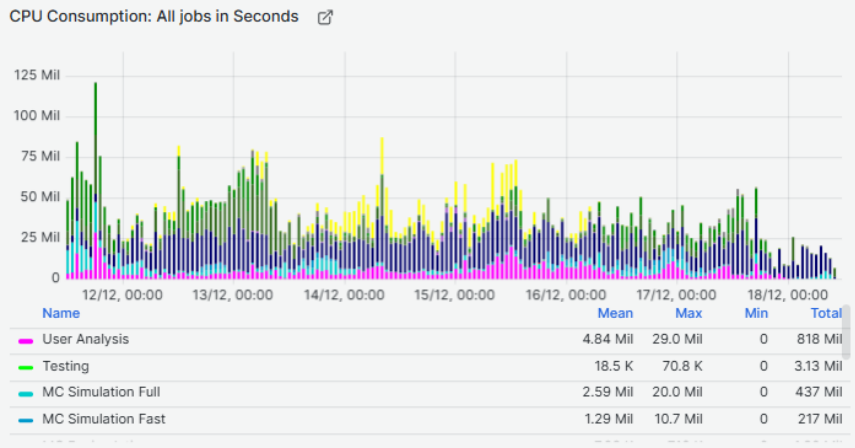
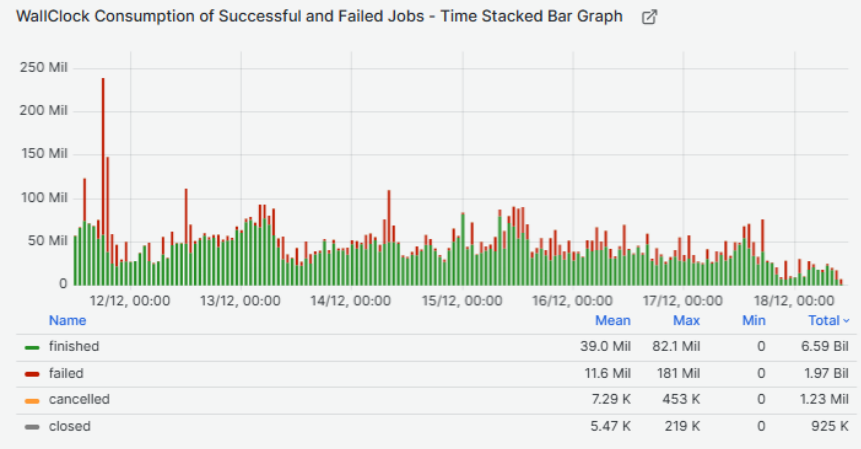
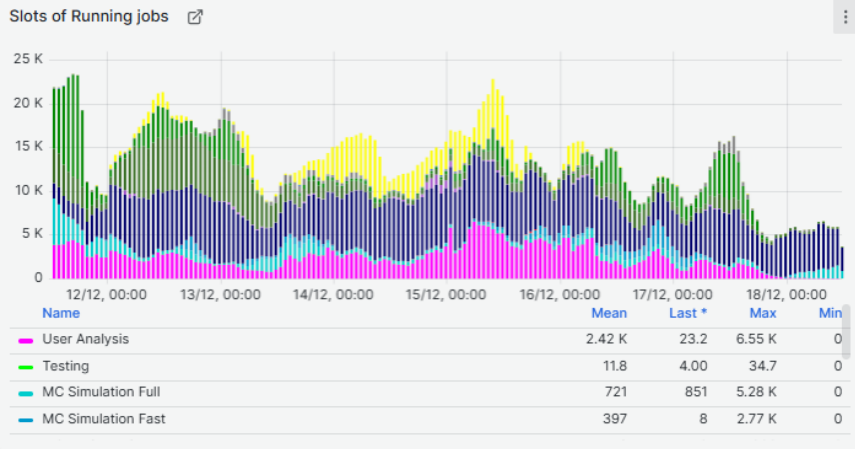
Template: 1184 (functional) - PFT mc15 Sim\_tf 21.0.15 FC

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[%]		
18/12/24	s	s	s	s	m	s	s	c	c	c	s	s	s	m	c	s	s	f	c	c	c	m	0	0	0	0	79
17/12/24	s	s	c	s	c	s	f	s	c	c	c	s	s	s	s	s	c	m	s	c	s	c	s	c	c	90	
16/12/24	s	c	s	s	c	s	s	c	s	c	s	c	s	s	s	s	c	c	s	s	s	s	f	c	s	95	
15/12/24	s	f	c	c	s	c	s	c	s	c	s	c	c	s	s	s	c	c	s	s	s	c	c	s	s	95	
14/12/24	c	s	s	s	s	s	s	s	s	s	c	c	c	s	c	s	s	c	s	s	c	c	c	s	s	100	
13/12/24	s	s	s	c	s	c	s	s	f	s	s	s	c	c	s	s	s	c	c	s	s	c	c	c	s	93	
12/12/24	c	c	c	c	c	s	s	c	c	s	s	s	s	s	f	s	c	c	s	s	s	c	c	s	s	95	
11/12/24	s	s	c	s	s	c	c	c	s	s	s	s	s	s	c	c	s	s	f	s	s	s	s	c	s	96	

## Error Report

[+] Expand

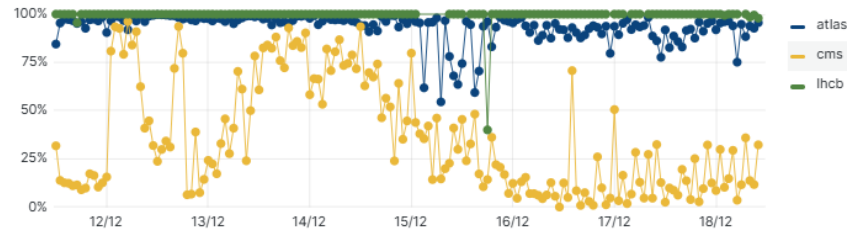
Site Dashboard: [https://monit-grafana.cern.ch/d/D26vElGGz/site-oriented-dashboard?orgId=17&var-bin=1h&var-groupby\\_jobs=adactivity&var-groupby\\_ddm=activity&var-cloud=All&var-country=All&var-federation=All&var-site=RAL-LCG2&var-computingsite=All&var-jobtype=All&var-es\\_division\\_factor=1&var-measurement=ddm\\_transfer\\_1h](https://monit-grafana.cern.ch/d/D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



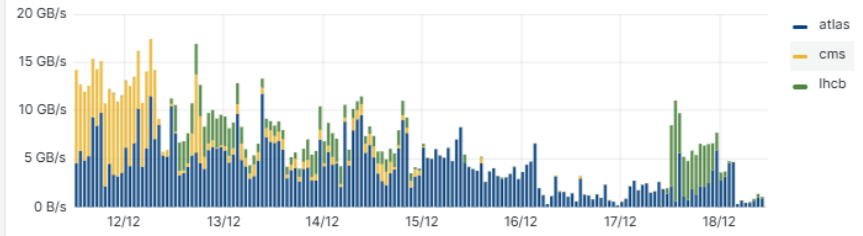
## Transfer Rates

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

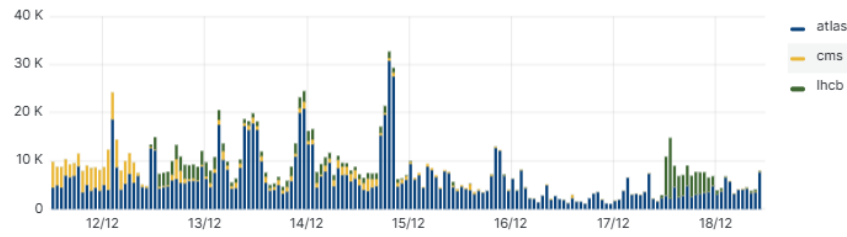
Efficiency



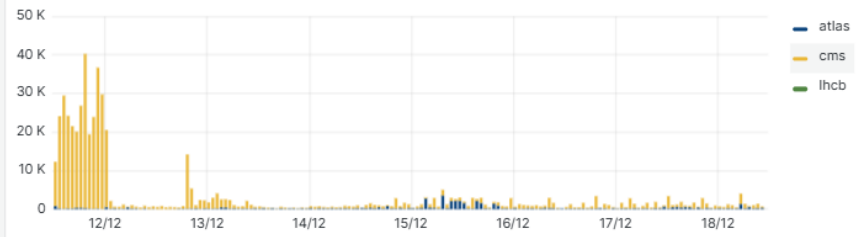
Transfer Throughput



Transfer Successes



Transfer Failures



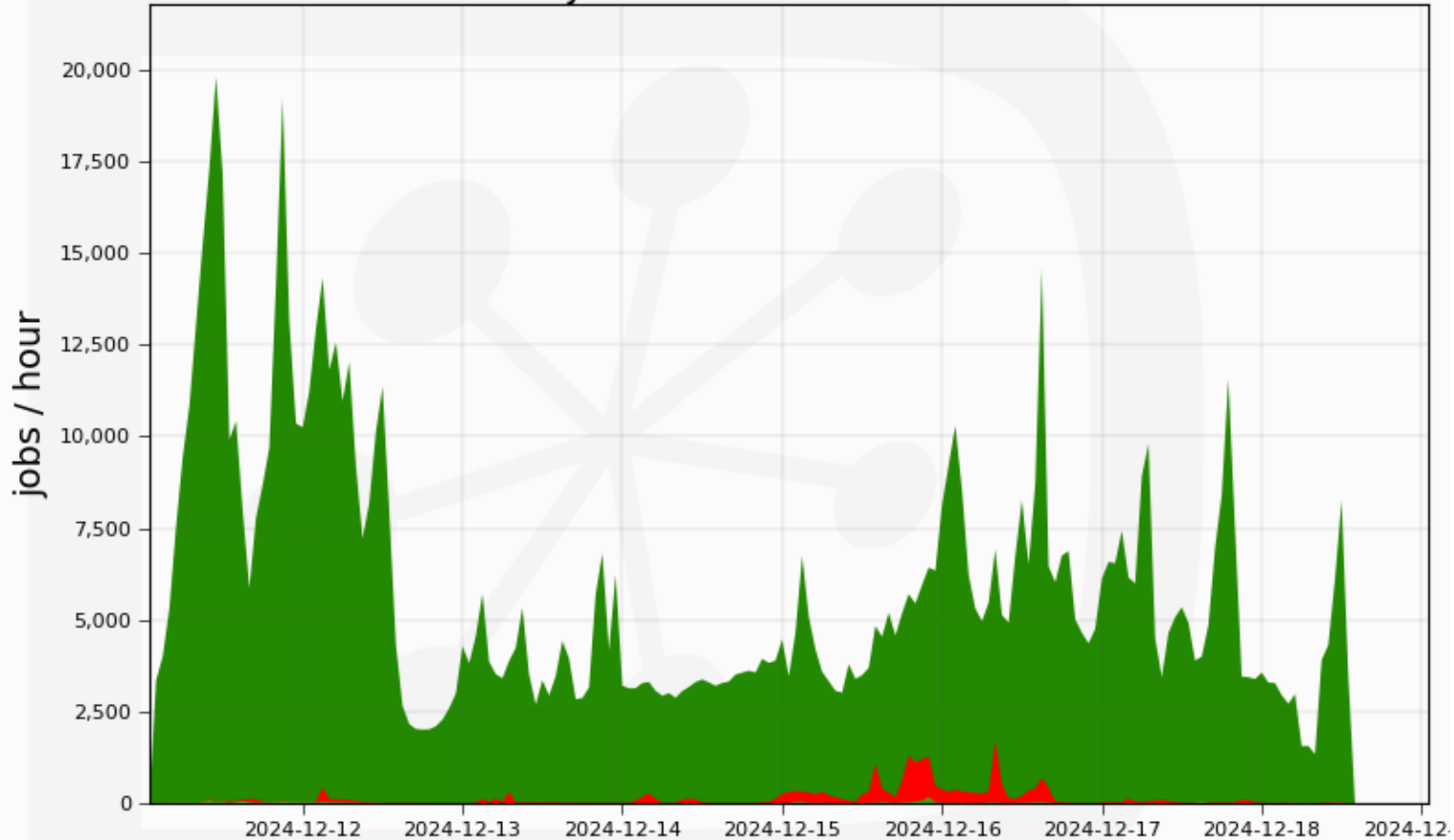
**RECALL**

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



# Jobs by FinalMajorStatus

8 Days from 2024-12-11 to 2024-12-19

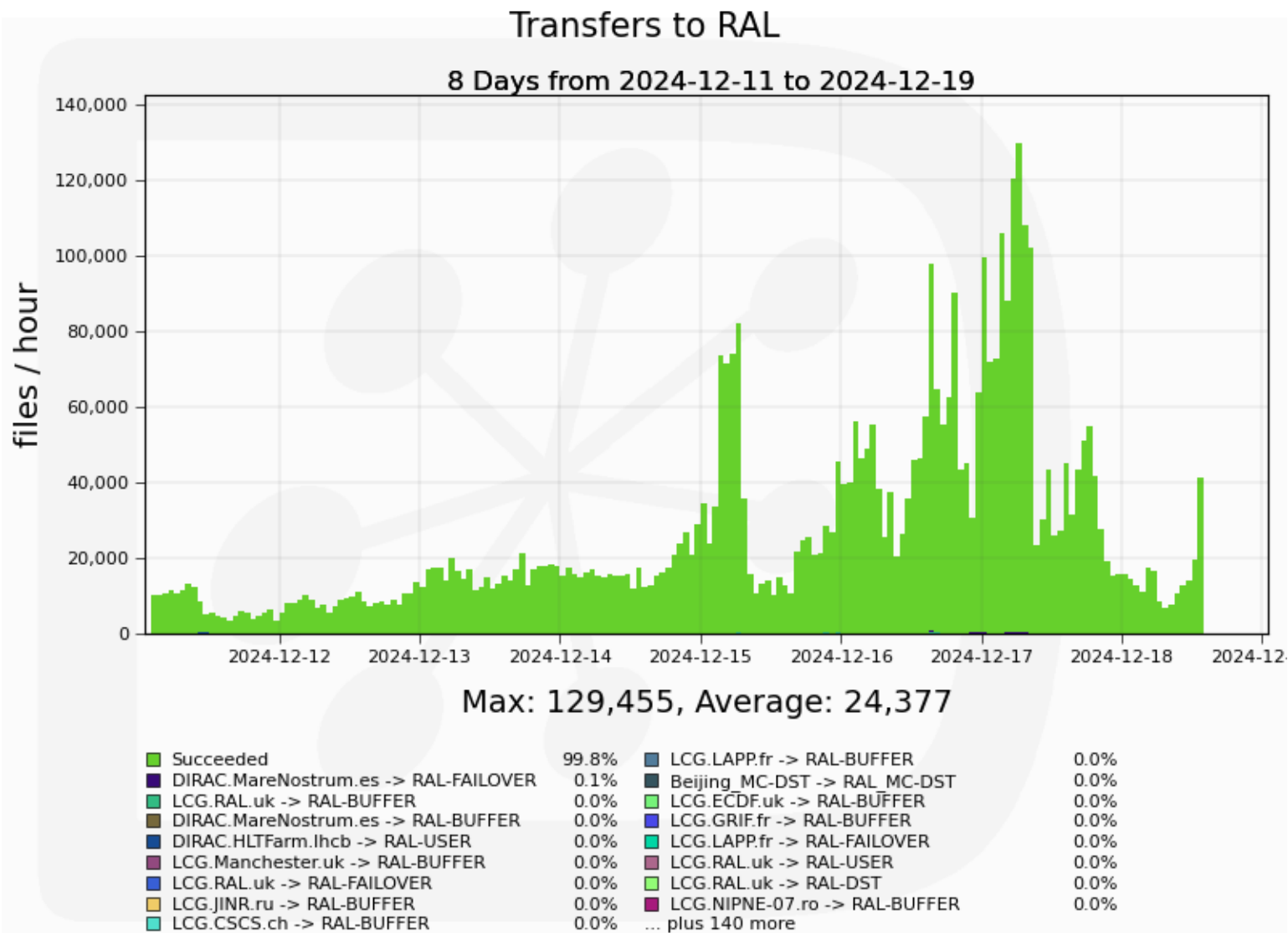


Max: 19,813, Average: 5,526

Done 97.7% Failed 2.1% Rescheduled 0.1% Completed 0.1%

Generated on 2024-12-18 12:40:24 UTC

Transfers to RAL:



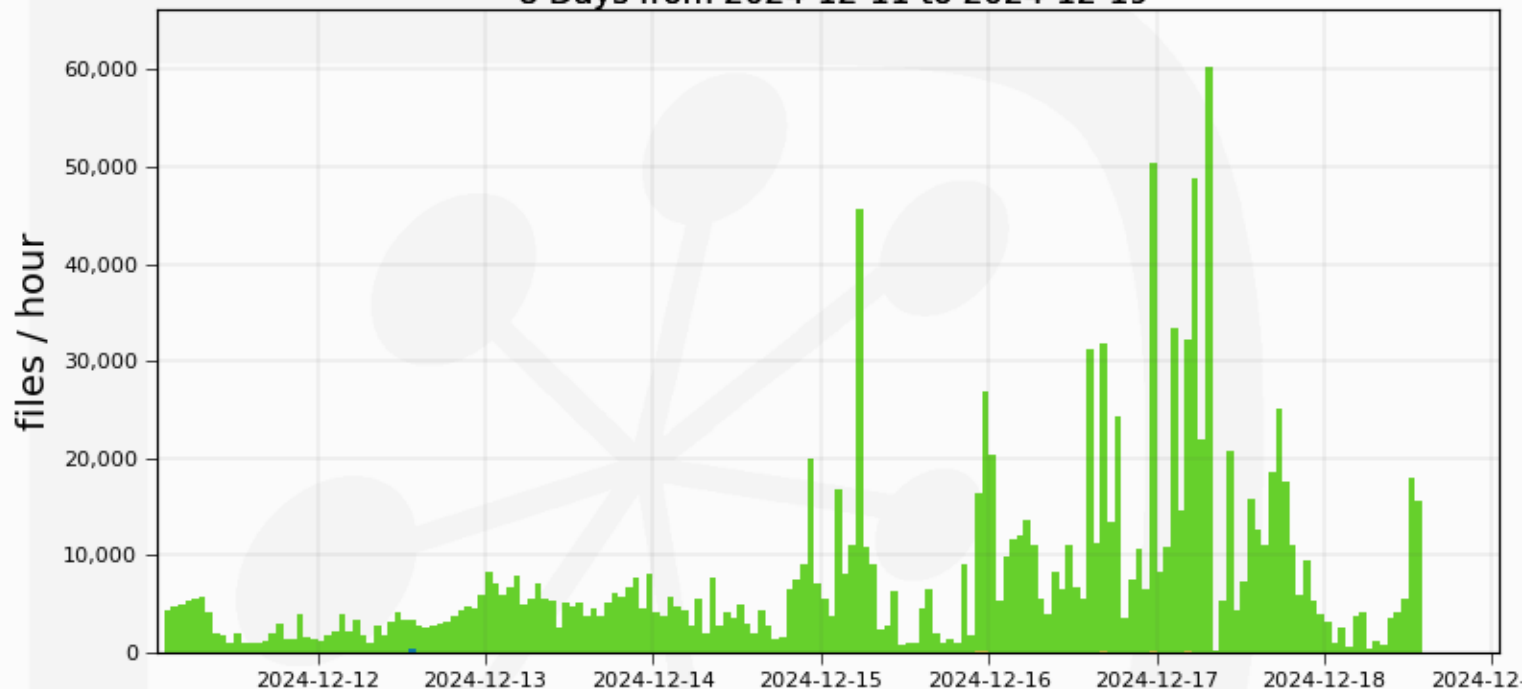
Generated on 2024-12-18 12:40:26 UTC



Transfers from RAL:

# Transfers from RAL

8 Days from 2024-12-11 to 2024-12-19



Max: 60,175, Average: 7,196

■ Succeeded	99.8%	■ RAL_MC-DST -> CNAF_MC-DST	0.0%
■ RAL-BUFFER -> LCG.RAL.uk	0.1%	■ RAL-USER -> LCG.CNAF.it	0.0%
■ RAL-USER -> DIRAC.Client.ch	0.0%	■ RAL-DST -> DIRAC.Client.ch	0.0%
■ RAL-USER -> DIRAC.Client.de	0.0%	■ RAL-ARCHIVE -> DIRAC.Client.uk	0.0%
■ RAL-BUFFER -> DIRAC.HLTfarm.lhcb	0.0%	■ RAL-DST -> DIRAC.LocalProdTest.local	0.0%
■ RAL-USER -> LCG.RAL.uk	0.0%	■ RAL-RAW -> RAL-BUFFER	0.0%
■ RAL-USER -> DIRAC.HLTfarm.lhcb	0.0%	■ RAL-USER -> DIRAC.Client.local	0.0%
■ RAL-USER -> LCG.GRIDKA.de	0.0%	■ RAL-USER -> LCG.CBPF.br	0.0%
■ RAL-ARCHIVE -> DIRAC.Client.de	0.0%	... plus 99 more	

Generated on 2024-12-18 12:40:31 UTC

<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	1.232 PB	786.1 TB	61.61%	14,320,303	CEPH	2 PB	0	2 PB	-	Xrootd v5.7.0						18.12.2024 12:31	25	0		0
<b>Total</b>			<b>2 PB</b>	<b>1.232 PB</b>	<b>786.1 TB</b>		<b>14,320,303</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	7.641 TB	201.9 TB	3.647%	Xrootd 5.6.10-1.el9.x86_64						18.12.2024 12:18	24	0		0	Test...
2. RAL - CTA_TEST	ALICE::RAL::CTA_TEST	1	1000 GB	0	1000 GB	-	0	TAPE	1000 GB	765.7 MB	999.3 GB	0.075%	Xrootd 5.6.10-1.el9.x86_64						18.12.2024 12:21	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>7.642 TB</b>	<b>202.8 TB</b>				<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>					<b>0</b>	