

# Tier1 Report 12/06/2024

## Activity for Last Week:

- WN reboot campaign to Fix IPv6
- '18 Gen on echo drained , remaining 21 (power moved) weighting up
- echo-manager(01|02) network fix resolved RALPP-RAL LHCb issue
- Antares DT for middleware upgrade
- LSST reduced to 10 Jobs ( WN drain due to crashing content and start rate limit)
- Librenms down

## Changes/News for upcoming week

- Batch
- Echo
- Tape
- Grid Services
- Network

Open GGUS tickets <https://tinyurl.com/38u6yms8>

6 of 6 Tickets

Ticket-ID	Type	VO	Site	Priority	Resp. Unit	Status	Last Update	Subject	Scope
<a href="#">165280</a>		other	RAL-LCG2	less urgent	NGI_UK ▶ involved	waiting for reply	2024-05-23	Recent file transfer issues at RAL	EGI
<a href="#">160737</a>		ops	RAL-LCG2	less urgent	NGI_UK	on hold	2024-05-23	[Dashboard] Issues detected at RAL-LCG2	EGI
<a href="#">165818</a>		none	RAL-LCG2	urgent	NGI_UK	in progress	2024-04-30	ATTENTION - new TOKEN configuration for ...	EGI
<a href="#">165323</a>		none	RAL-LCG2	less urgent	NGI_UK	in progress	2024-03-12	RAL-LCG2: Enabling tokens on ...	EGI
<a href="#">165969</a>		cms	RAL-LCG2	urgent	NGI_UK	on hold	2024-03-29	enabling IAM token access to ARC-CEs at ...	WLCG
<a href="#">162369</a>		alice	RAL-LCG2	urgent	NGI_UK ▶ involved	on hold	2024-04-11	Recall operation for RAL::CTA, size and ...	WLCG

Closed GGUS tickets:

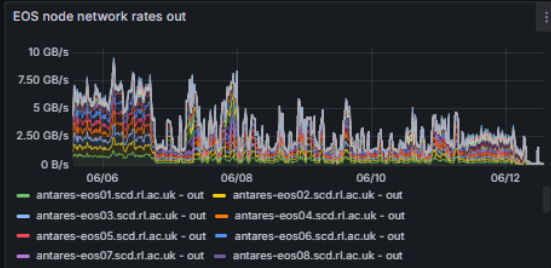
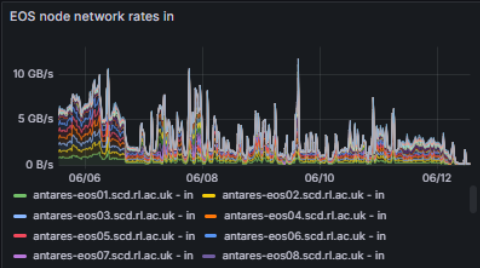
<https://tinyurl.com/mr2x85w8>

4 of 4 Tickets

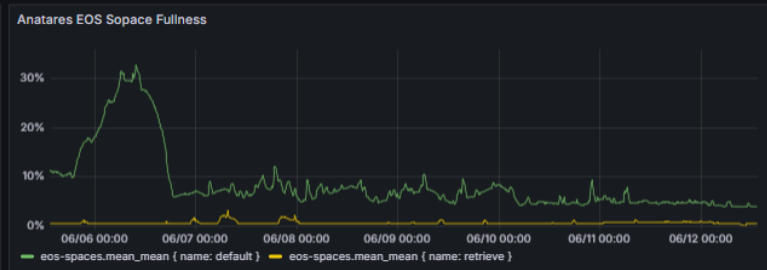
Ticket-ID	Type	VO	Site	Priority	Resp. Unit	Status	Last Update	Subject	Scope
<a href="#">167061</a>	Team	lhcb	RAL-LCG2	very urgent	NGI_UK ▶ involved	solved	2024-06-11	Almost all transfers from RALPP to RAL ...	WLCG
<a href="#">159847</a>	Team	lhcb	RAL-LCG2	less urgent	NGI_UK	verified	2024-06-09	Failures downloading one file	WLCG
<a href="#">159550</a>	Team	atlas	RAL-LCG2	less urgent	NGI_UK	closed	2024-06-06	RAL-LCG2: T0 Eport to tapes failing	WLCG
<a href="#">158161</a>		cms	RAL-LCG2	urgent	NGI_UK ▶ involved	verified	2024-06-06	Submission using tokens to ARC ...	WLCG

New Summary Dashboard in progress.

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



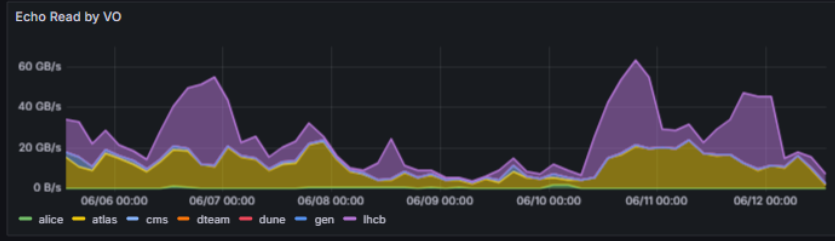
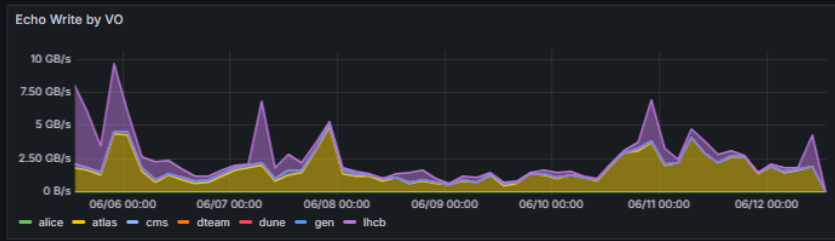
#### Antares



#### Echo

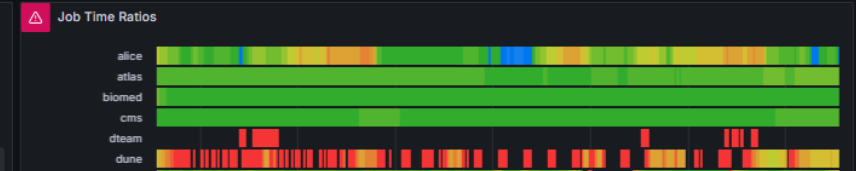
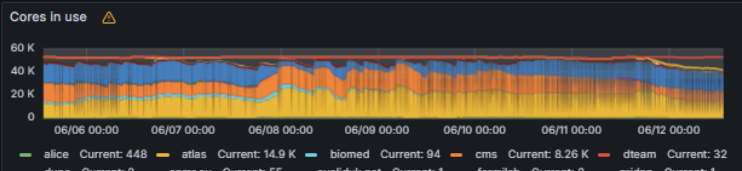
### Joint xroot/WebDav Gateway Health

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

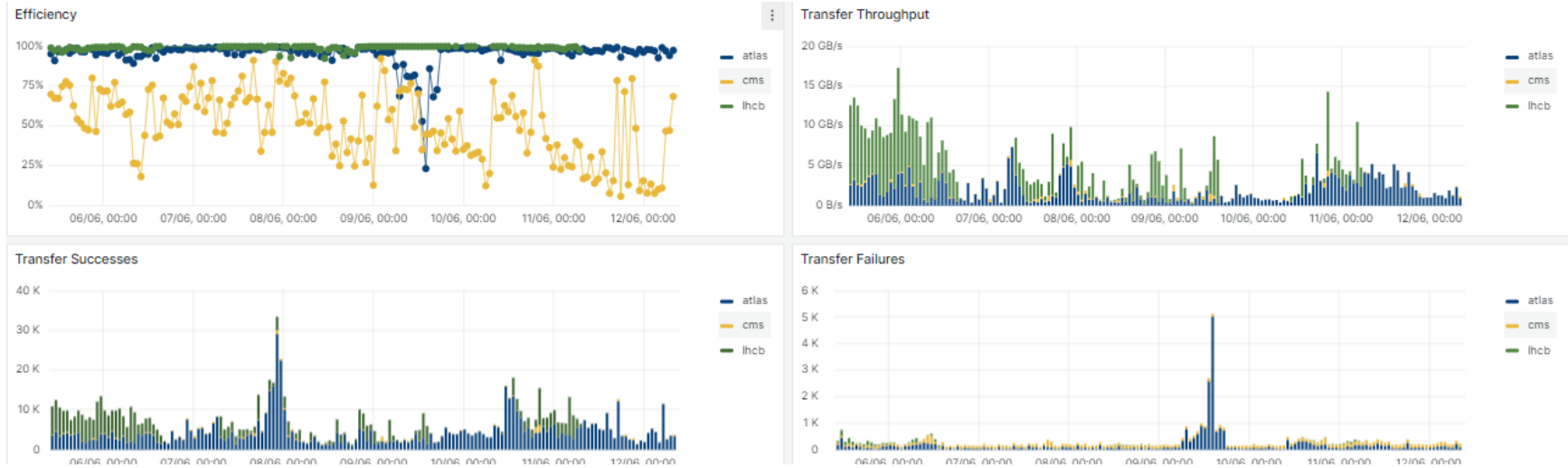
Available	Used	Availi.	Total	Available Cores	Used Cores	Runn	Efficiency	Monthly Average Cores in use / allocation					
95.4%	79.2%	75.5%	41561	39645	8725	86.6%	52%	81%	218%	106%	0%	48%	



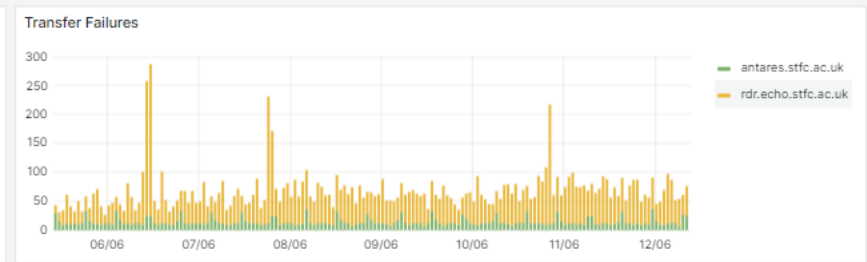
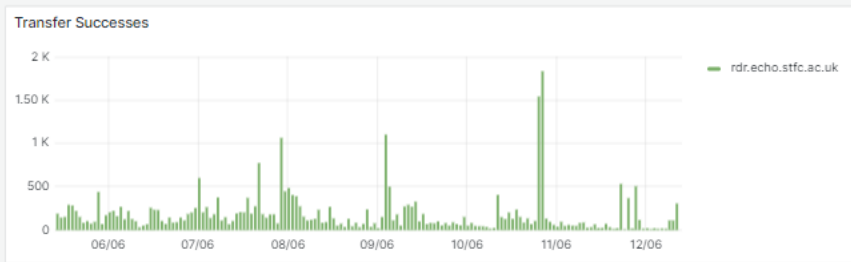
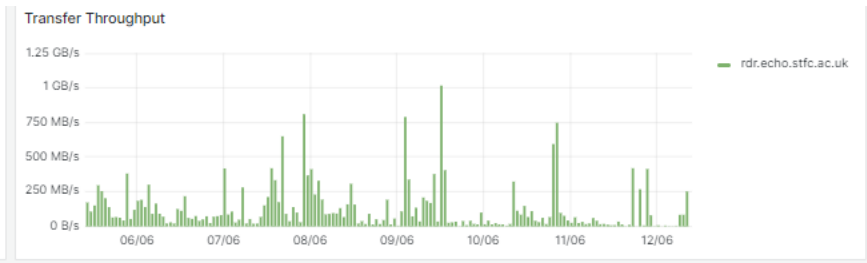
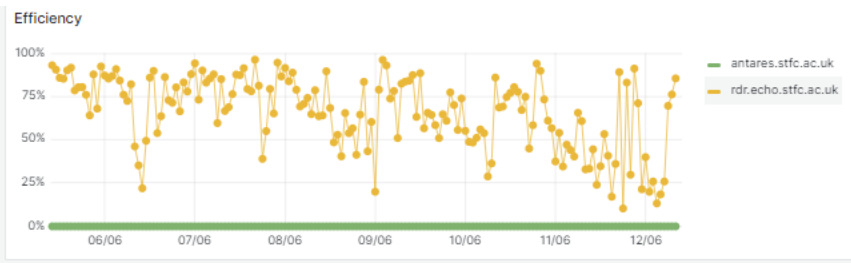
## Transfer Rates

<https://tinyurl.com/FTSingest>

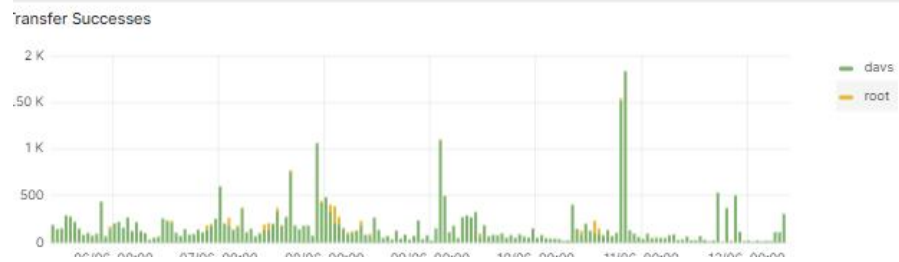
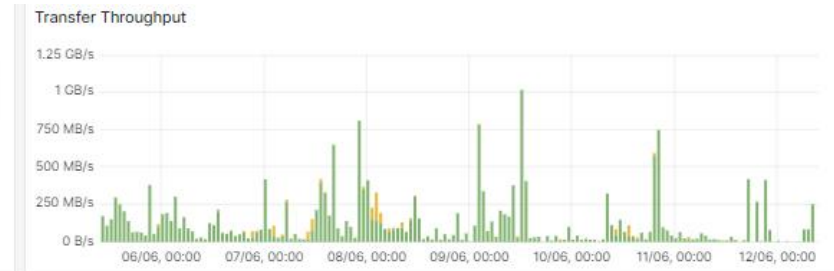
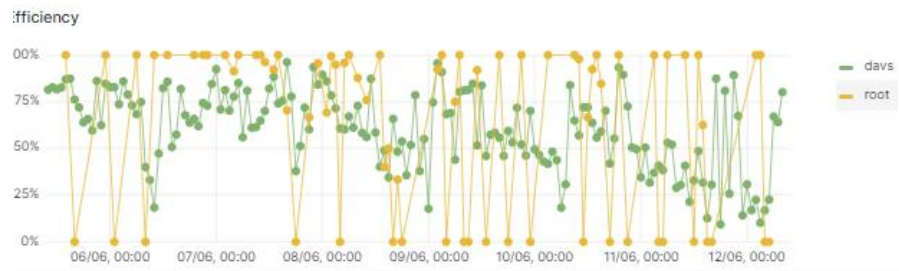
Spike in failures is sfu -rdr.echo for ATALS



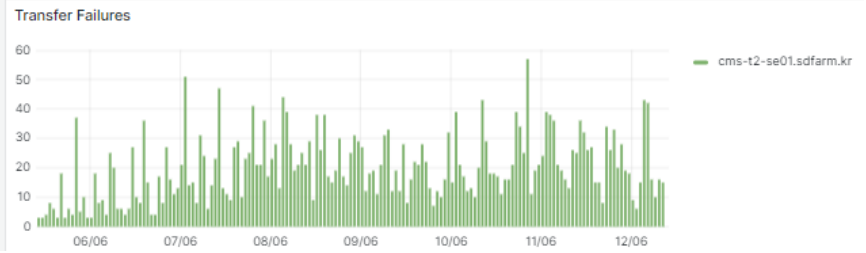
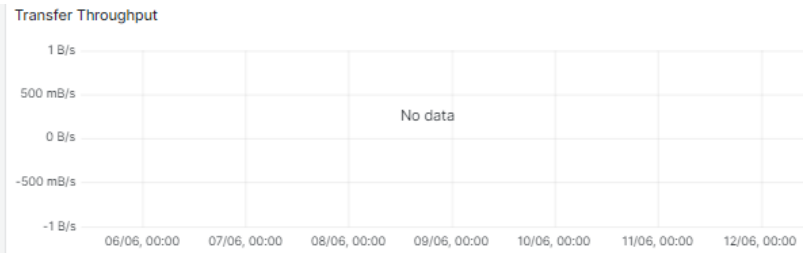
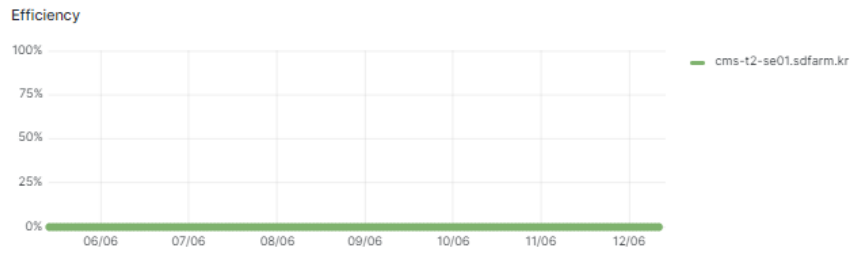
CMS failures are into rdr.echo



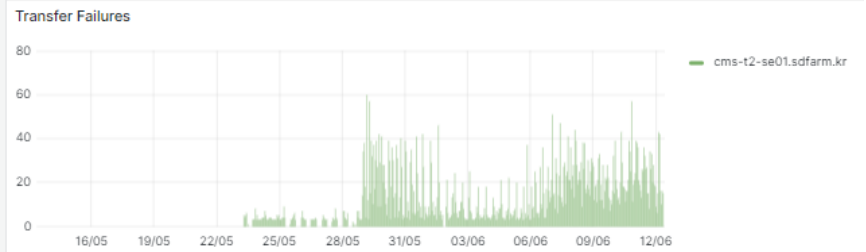
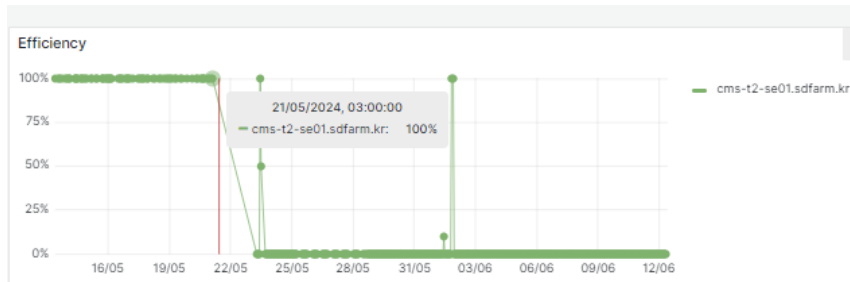
## Webdav related



Dominated by traffic from KISTI



Change occurred on 21 may:



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

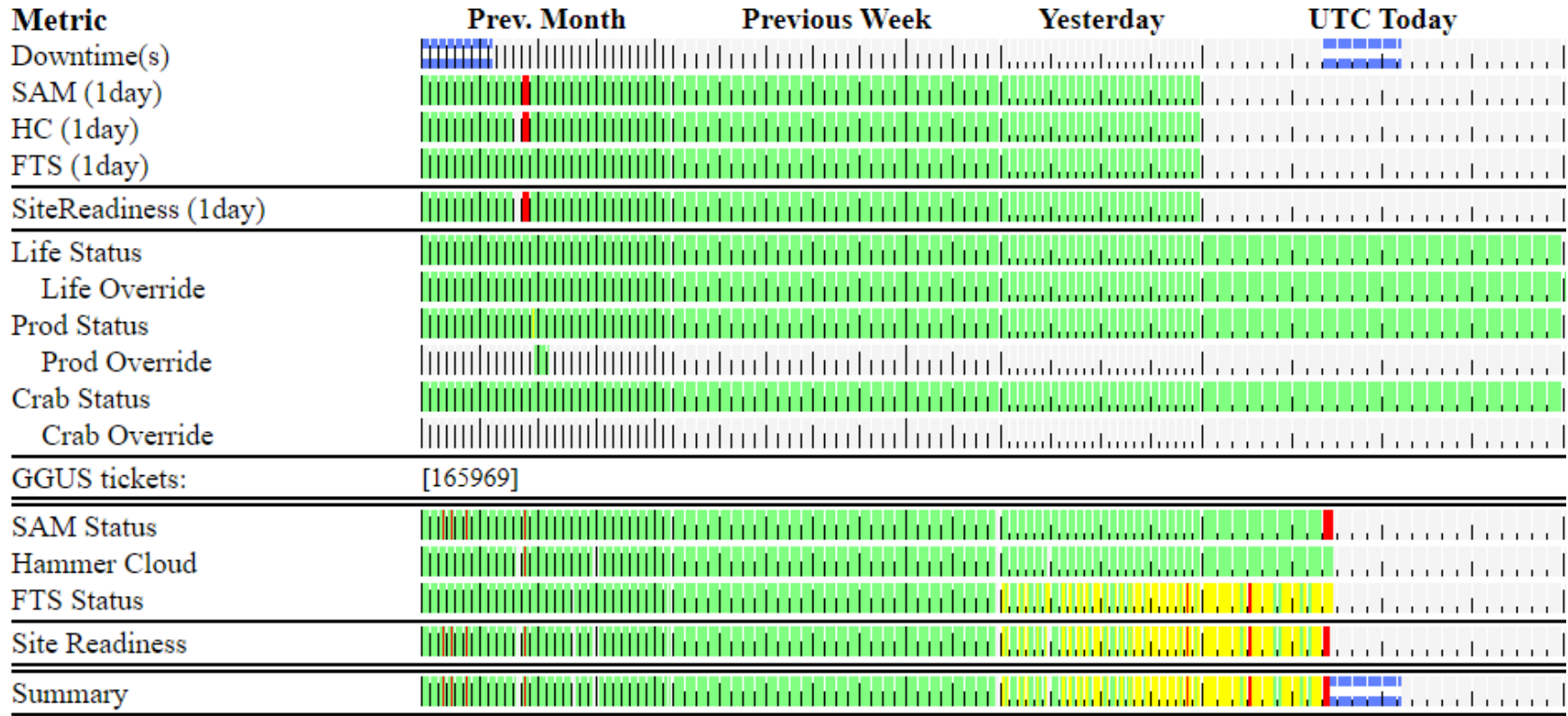
<https://librenms.gridpp.rl.ac.uk/ifttype/type=LHCONE>

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:																P	
SAM Status:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Hammer Cloud:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
FTS Status:	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	
Site Readiness:	58%	71%	99%	99%	100%	95%	94%	87%	99%	100%	97%	99%	99%	99%	100%	96%	
Life Status:																	
Prod Status:																	
CRAB Status:																	
	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12
	May					Jun											

[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, 2024-Jun-12 09:



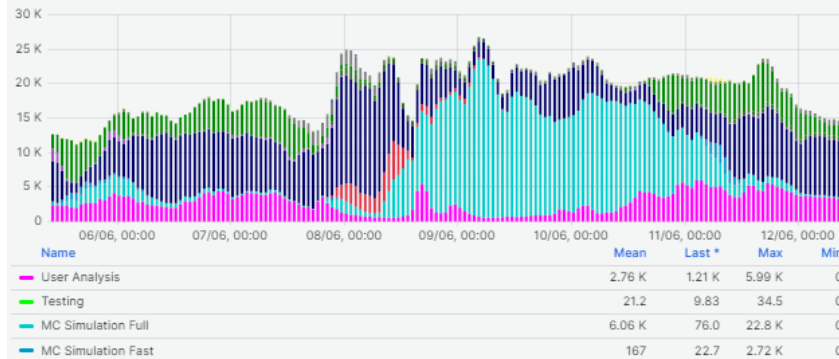
**ATLAS:** <http://hammercloud.cern.ch/hc/app/atlas/siteoverview/?site=RAL-LCG2&startTime=2022-02-16&endTime=2022-02-23&templateType=isGolden>



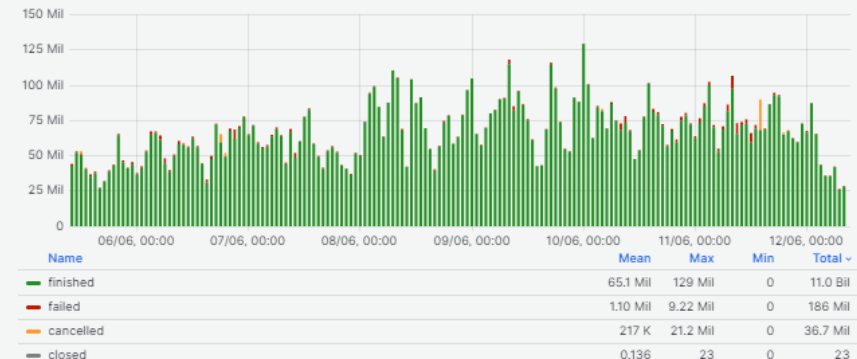




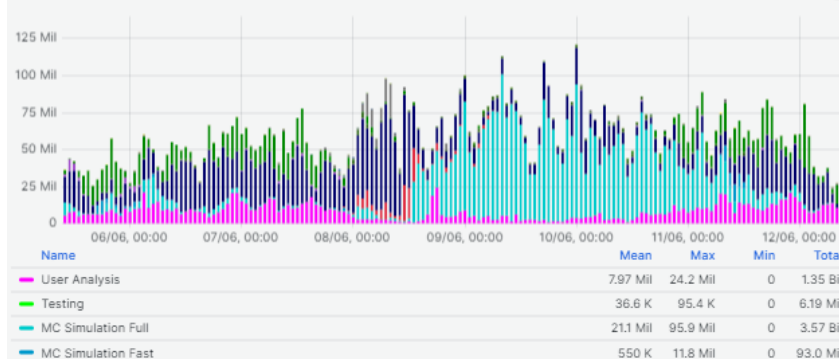
Slots of Running jobs [↗](#)



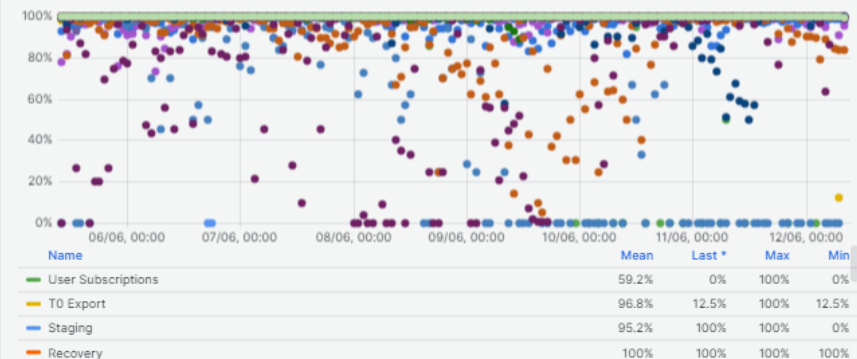
WallClock Consumption of Successful and Failed Jobs - Time Stacked Bar Graph [↗](#)



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



Transfer Efficiency



Walltime efficiency based on success/all accomplished jobs

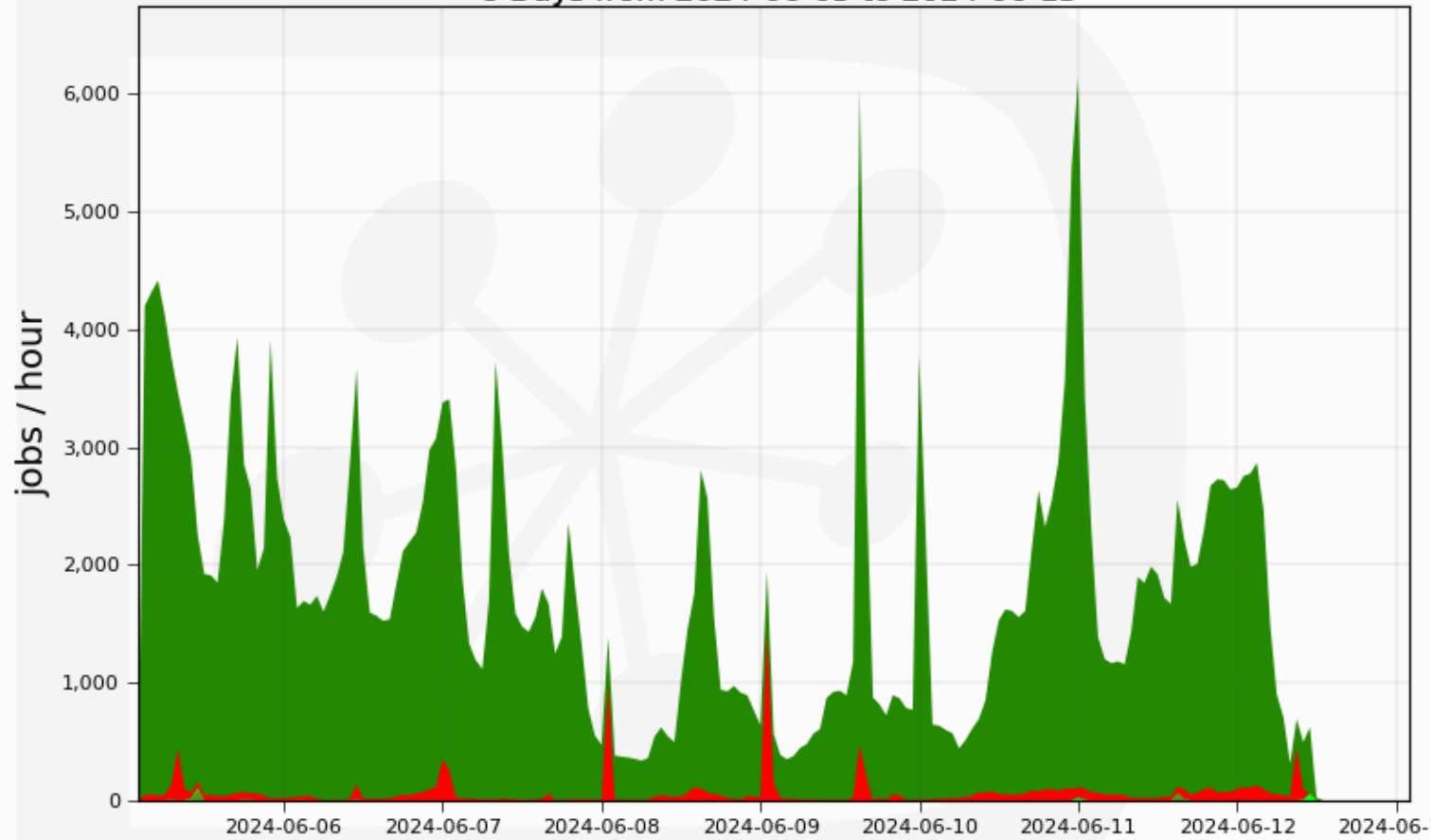
Volume per rse

**LHCB:** [https://monit-grafana.cern.ch/d/000000619/wlwg-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/wlwg-sitemon-historical-profiles?orgId=20&from=now-30d&to=now&var-vo=lhcb&var-profile=LHCB%20CRITICAL&var-dst%20tier=1&var-dst%20country=UK&var-dst%20federation=All&var-dst%20experiment%20site=LCG.RAL.uk&var-service%20flavour=ARC-CE&var-dst%20hostname=All&var-recomputation=status)



# Jobs by FinalMajorStatus

8 Days from 2024-06-05 to 2024-06-13

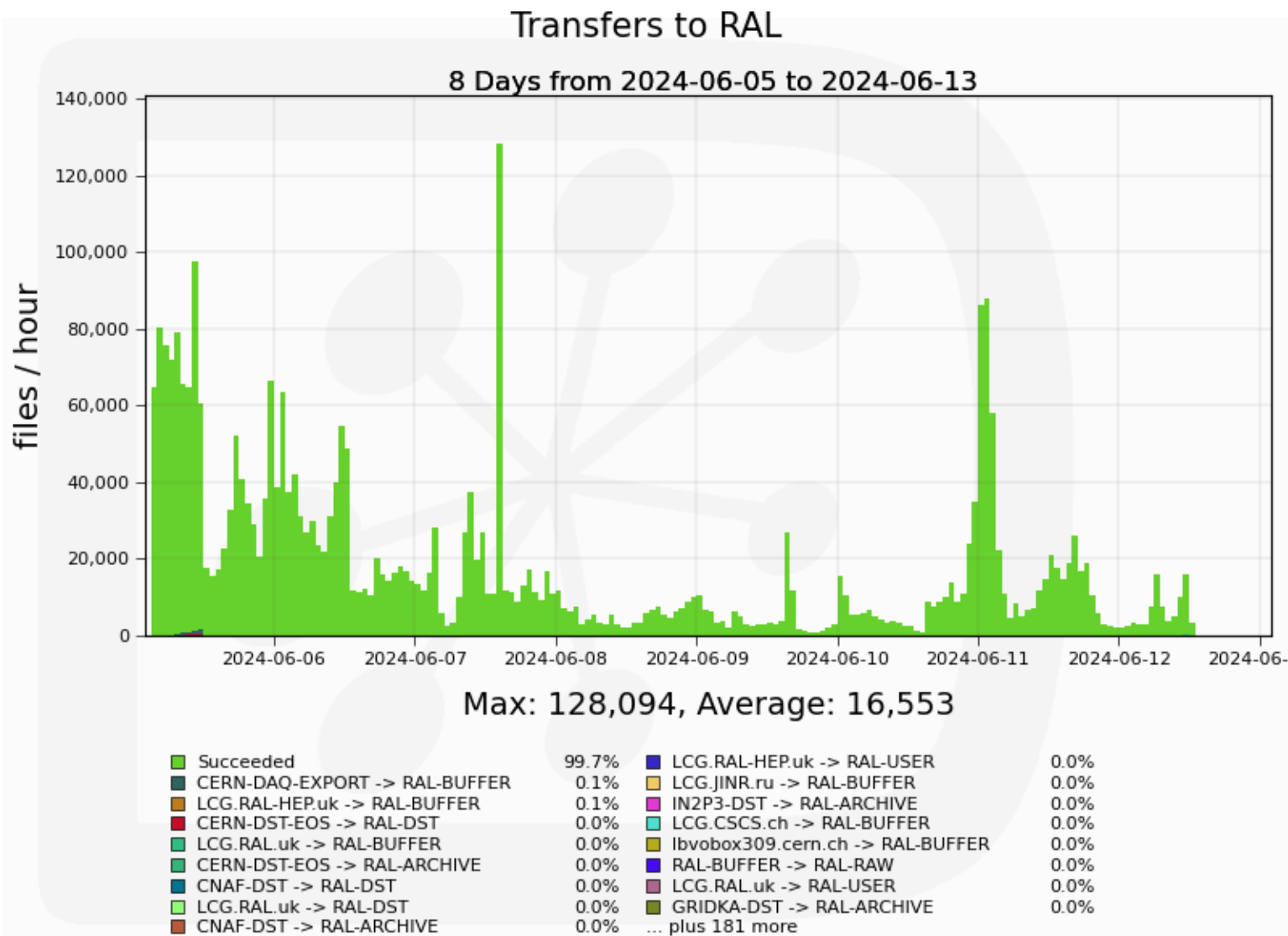


Max: 6,133, Average: 1,673

Done 96.3% Failed 3.6% Completed 0.1% Rescheduled 0.1%

Generated on 2024-06-12 10:15:00 UTC

Transfers to RAL:

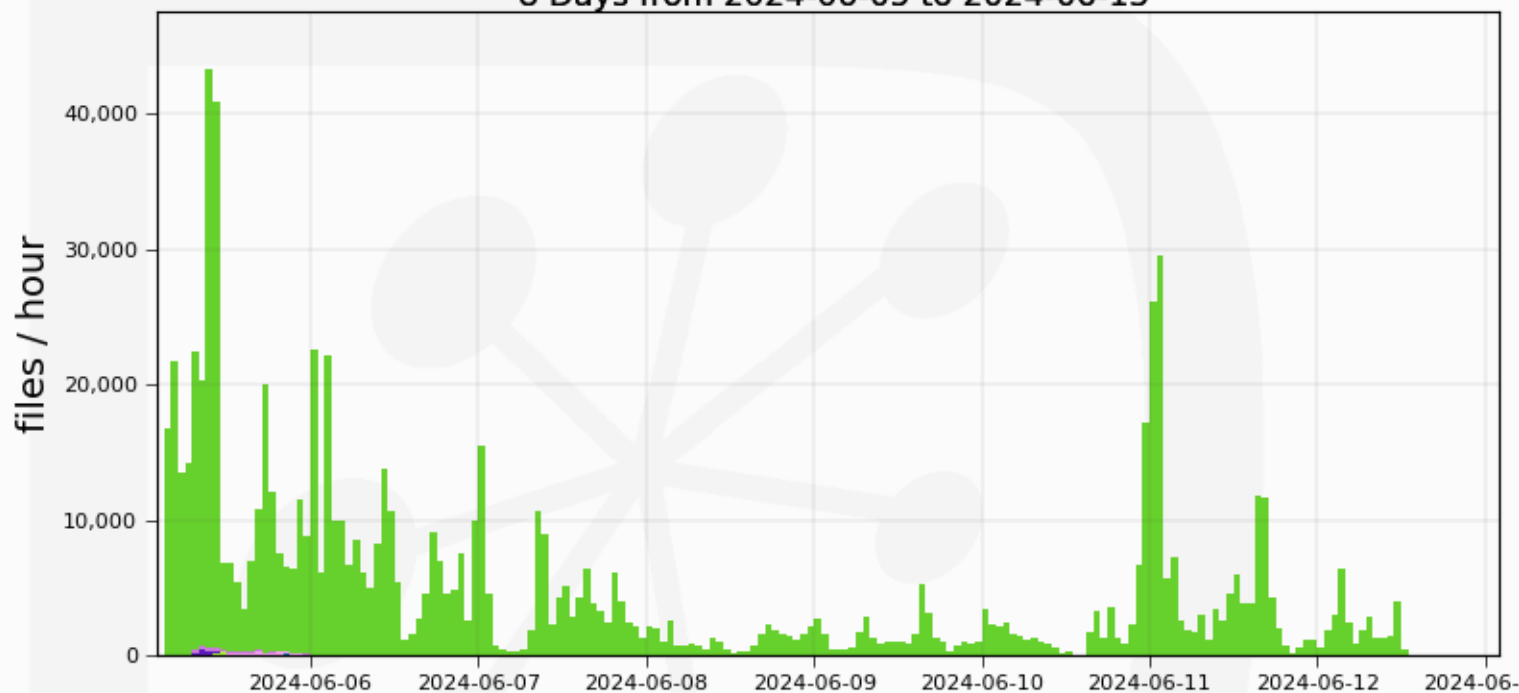


Generated on 2024-06-12 10:15:04 UTC

Transfers from RAL:

### Transfers from RAL

8 Days from 2024-06-05 to 2024-06-13



Max: 43,256, Average: 4,551

■ Succeeded	99.3%	■ RAL-BUFFER -> RAL-RAW	0.0%
■ RAL-DST -> CNAF-ARCHIVE	0.3%	■ RAL-USER -> DIRAC.Client.es	0.0%
■ RAL-FAILOVER -> CNAF-BUFFER	0.2%	■ RAL-USER -> LCG.ECDF.uk	0.0%
■ RAL-DST -> CNAF-DST	0.1%	■ RAL-DST -> DIRAC.Client.ch	0.0%
■ RAL-DST -> CERN-DST-EOS	0.0%	■ RAL-USER -> LCG.Beijing.cn	0.0%
■ RAL-USER -> DIRAC.Client.ch	0.0%	■ RAL-USER -> LCG.MIT.us	0.0%
■ RAL-FAILOVER -> CNAF-DST	0.0%	■ RAL-FAILOVER -> NCBJ-DST	0.0%
■ RAL-BUFFER -> LCG.RAL.uk	0.0%	■ RAL_MC-DST -> CNAF-ARCHIVE	0.0%
■ RAL_MC-DST -> UKI-LT2-QMUL_MC-DST	0.0%	... plus 91 more	

Generated on 2024-06-12 10:15:10 UTC

ALICE

<https://tinyurl.com/aliceRALstorage>

Disk storage elements

RAL																							
AliEn SE			Catalogue statistics					Storage-provided information					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	1.822 PB	1.057 PB	783.4 TB	58.01%	12,831,933	CEPH	1.822 PB	1.087 PB	752.5 TB	59.66%	Xrootd v5.6.9						12.06.2024 10:23	24	0	0	
2. RAL - CEPH_Test	ALICE::RAL::CEPH_Test	1	10 MB	3 B	10 MB	0%	1	CEPH	10 MB	8 KB	9.992 MB	0.078%	Xrootd v5.5.4						12.06.2024 11:04	21	4	15.95%	Test...
<b>Total</b>			<b>1.822 PB</b>	<b>1.057 PB</b>	<b>783.4 TB</b>		<b>12,831,934</b>		<b>1.822 PB</b>	<b>1.087 PB</b>	<b>752.5 TB</b>			<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>						<b>1</b>

What is this about?

Custodial storage elements

RAL																								
AliEn SE			Catalogue statistics					Storage-provided information					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	1.841 PB	1.535 PB	313 TB	83.39%	666,374	TAPE	-	-	-	-			Test...	Test...	Test...			12.06.2024 09:08	23	2	6.292%	Test...
2. RAL - CTA_TEST	ALICE::RAL::CTA_TEST	1	1000 GB	0	1000 GB	-	0	TAPE	-	-	-	-							12.06.2024 11:11	26	0	0	Test...	
<b>Total</b>			<b>1.842 PB</b>	<b>1.535 PB</b>	<b>314 TB</b>		<b>666,374</b>		<b>0</b>	<b>0</b>	<b>0</b>			<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>						<b>0</b>	