

Usage Statistics

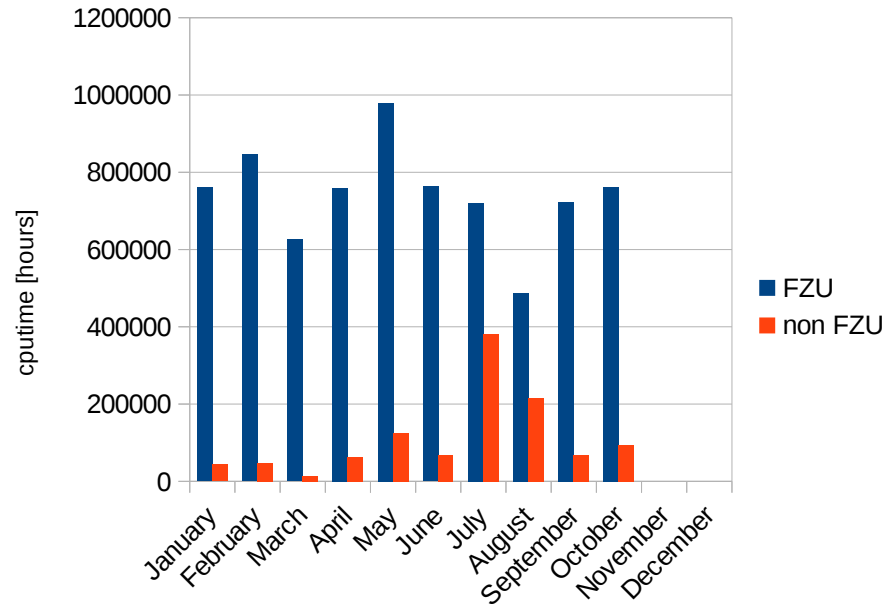
Jana Uhlířová
December 2022

Usage Statistics

January 2022 – November 2022

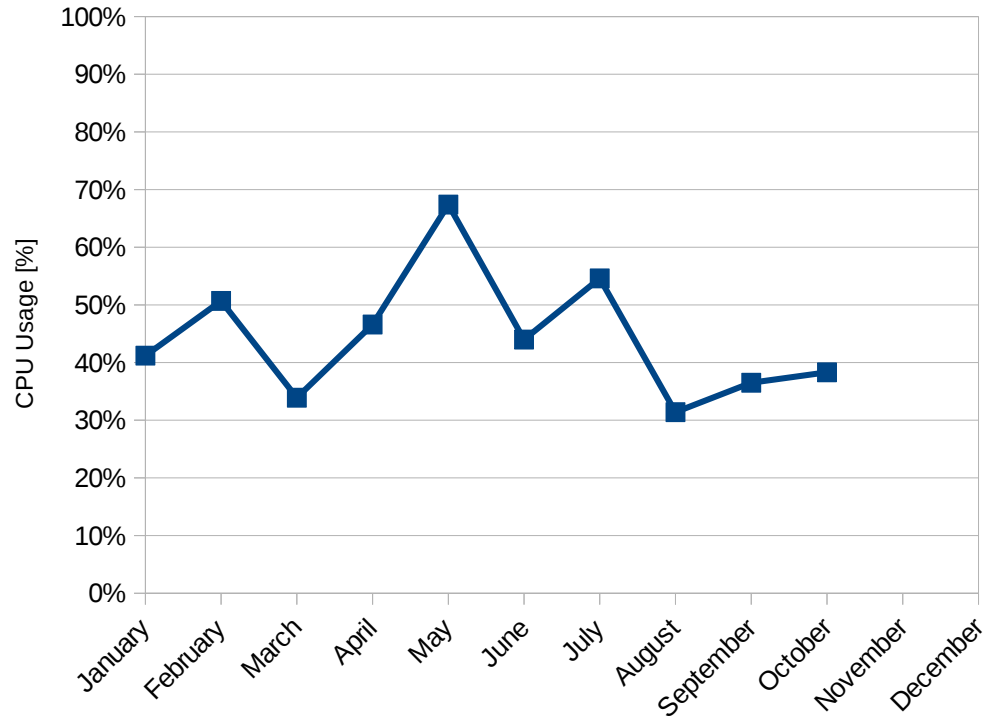
- Clusters Luna (MetaCentrum)
- Goliath Farm
- NFS servers
- UI servers

Clusters Luna – Total cputime

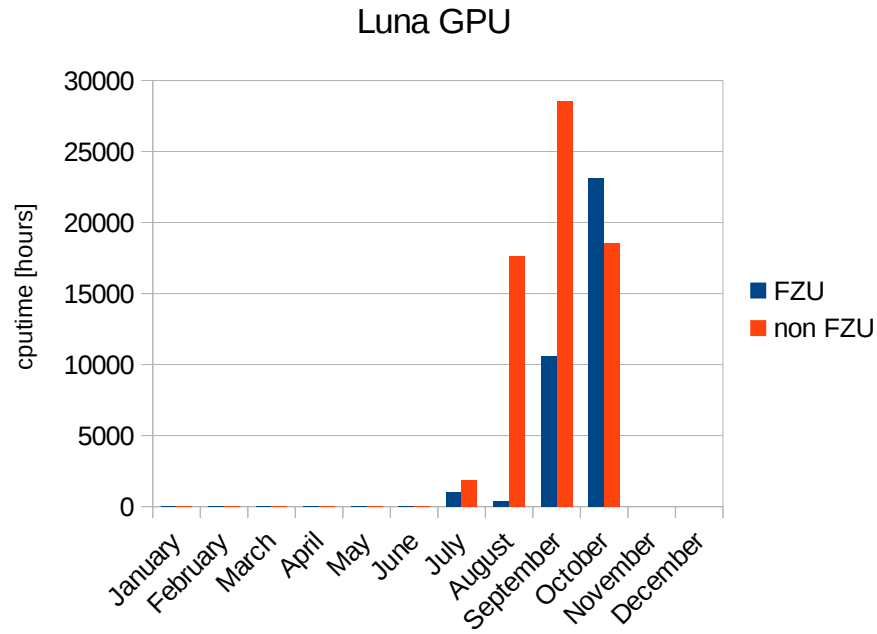


	cputime [year]
FZU users	848
Non-FZU users	128
Total	976

Clusters Luna – Total Usage

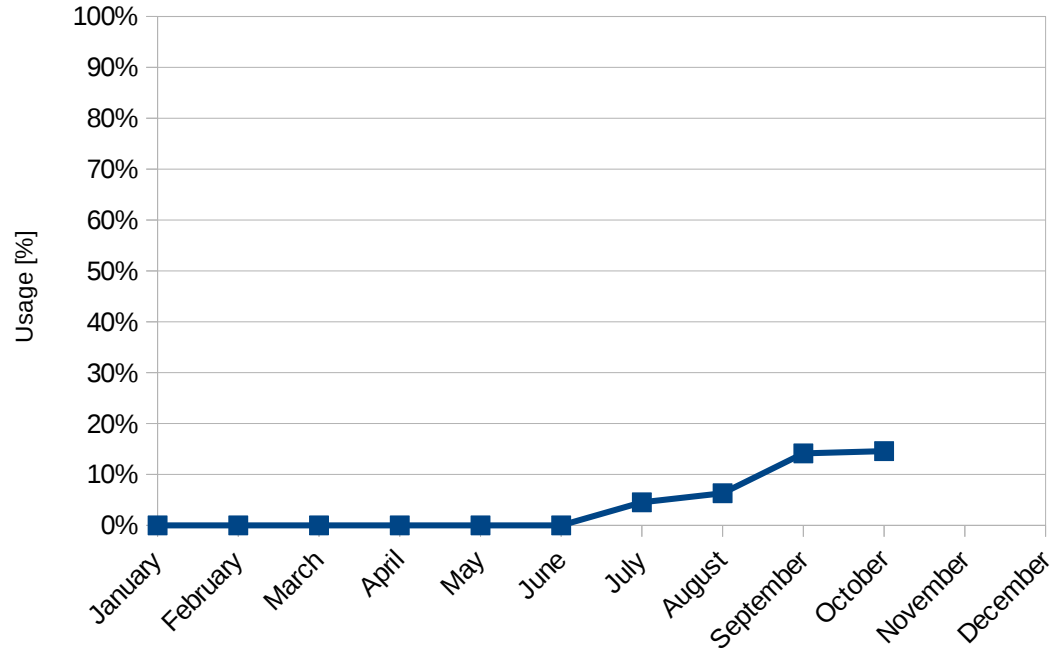


Luna GPU – Total cputime



	cputime [year]
FZU users	4
Non-FZU users	7.6
Total	11.6

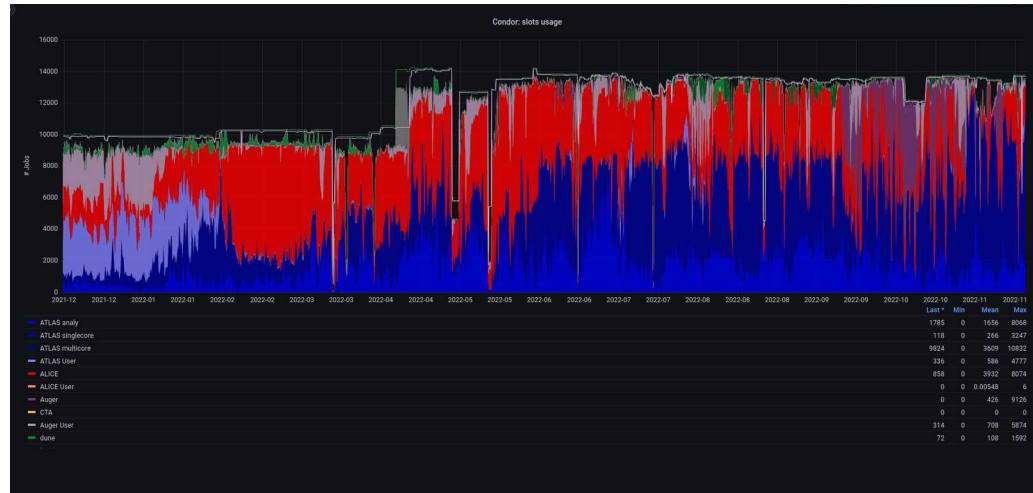
Luna GPU – Total Usage



Golias Farm

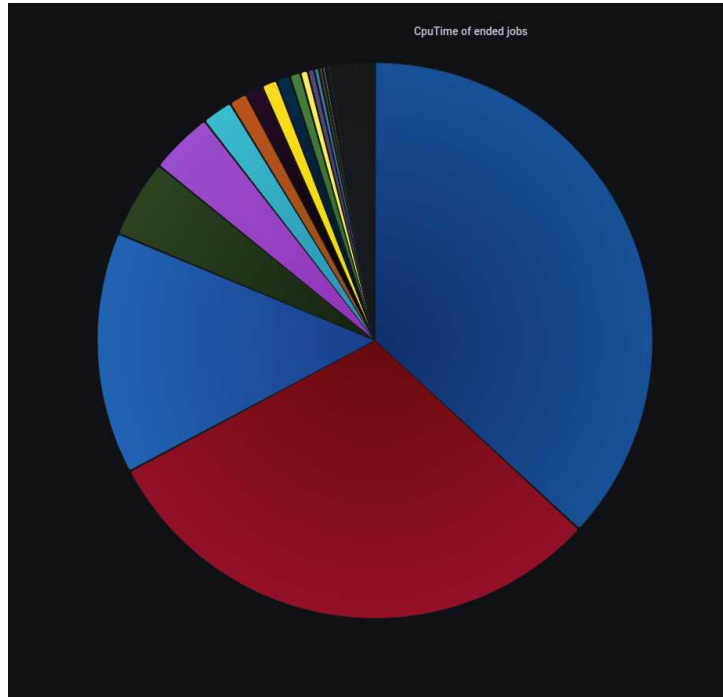
- 72 active user accounts
- new user accounts
 - 2020: 2
 - 2021: 9
 - 2022: 12

Goliath Farm – Slots Usage



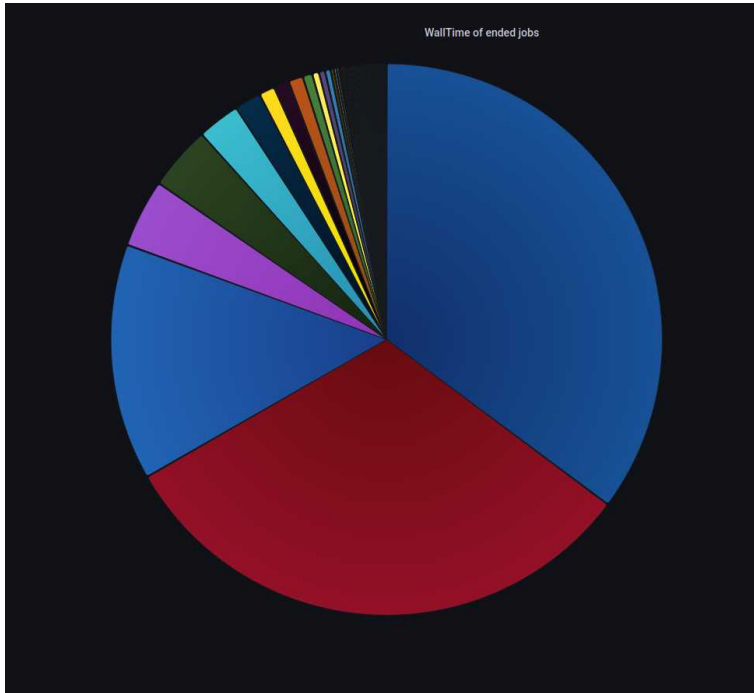
- Increase in April 2022 – a new cluster milan (3712 slots)
- December 31, 2022 – decommission of 1824 slots
- Stable service with minimum outages

Goliath Farm – Cputime Usage



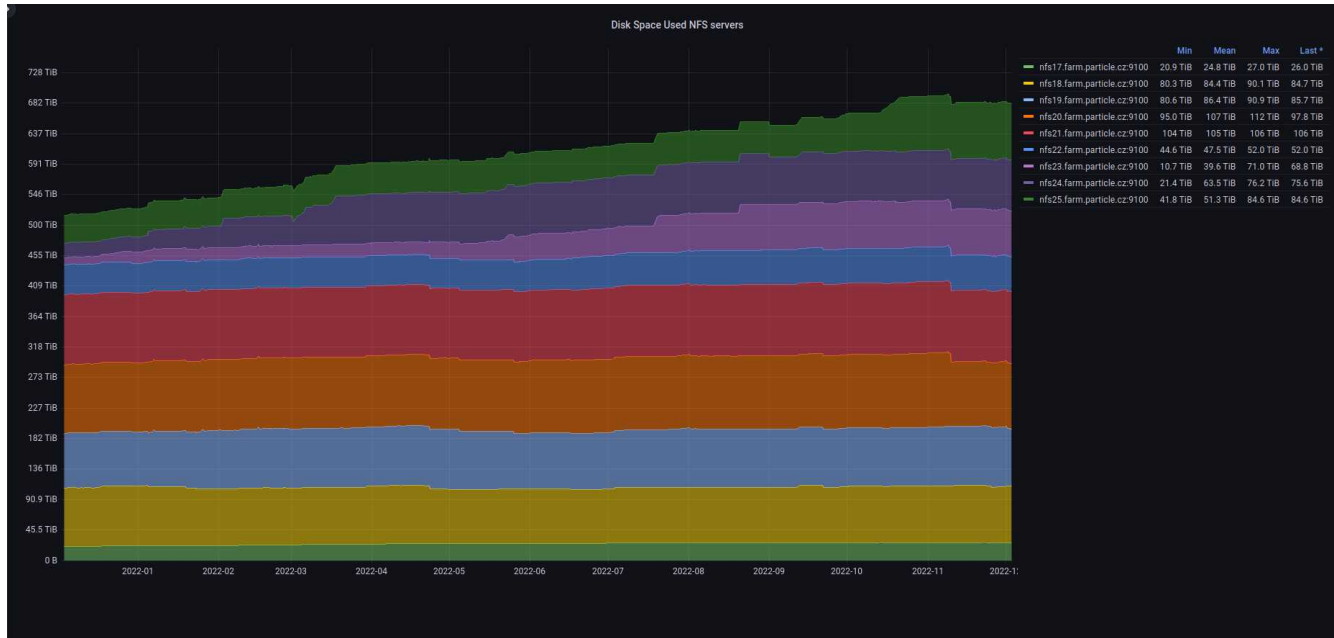
	group	[year]	%
Grid jobs	atlas	5942	52.5
	alice	3467	33.6
	auger	431	4.4
	fermilab	84	0.8
Local jobs	auger.user	493	4.9
	atlas.user	342	2.8
	user.user	32	0.3
	fermilab.user	0.17	0
Total		10791	

Goliath Farm – Waltime Usage



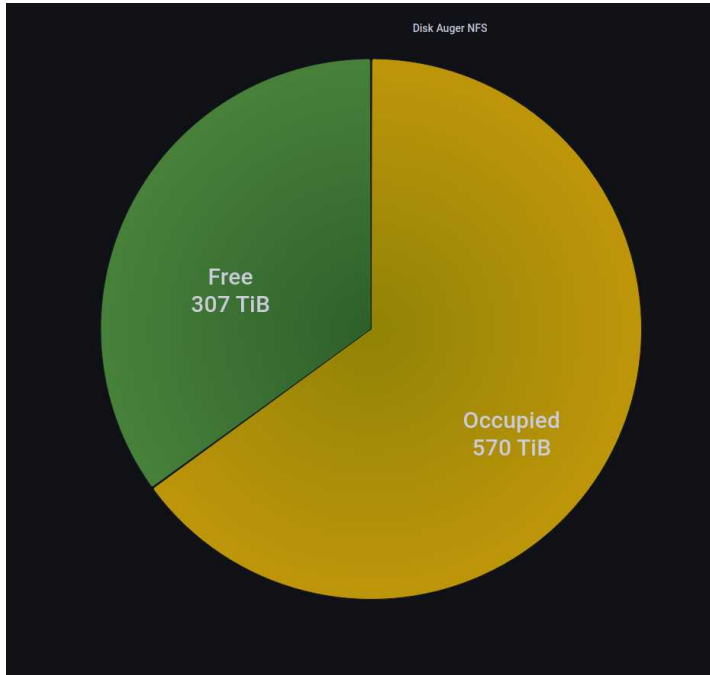
	group	[year]	%	Eff [%]
Grid jobs	atlas	6631	52.5	89.6
	alice	4247	33.6	81.6
	auger	551	4.4	78.2
	fermilab	198	0.8	42.4
Local jobs	auger.user	616	4.9	80.1
	atlas.user	352	2.8	97.1
	user.user	43.5	0.3	73.5
	fermilab.user	0.26	0	65.4
Total		12638		

NFS Servers Disk Space Usage



- Steady increase of occupied space

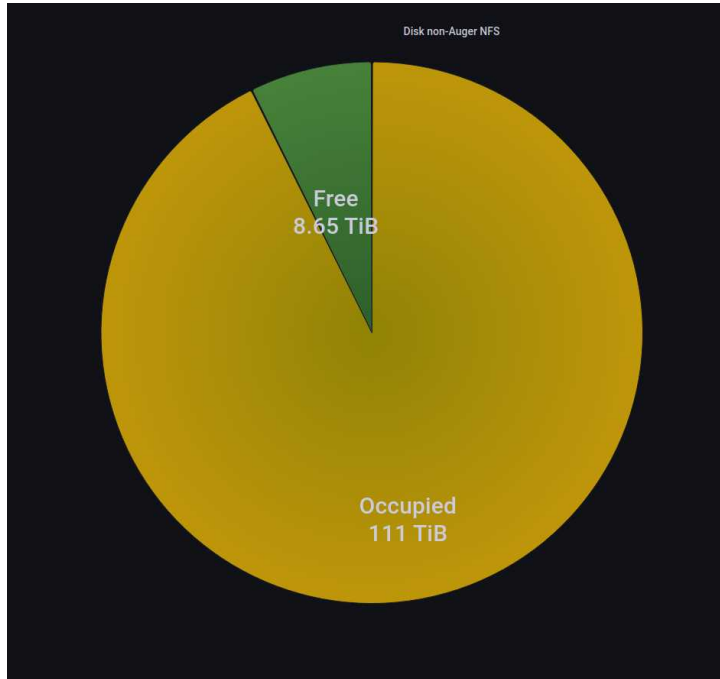
NFS servers Auger (nfs18,nfs20-25) Disk Space Usage



	Disk Usage [TB]
User 1	218.3
User 2	78.7
User 3	67.3
User 4	57.8
User 5	48.1
...	...
User 20	0.13

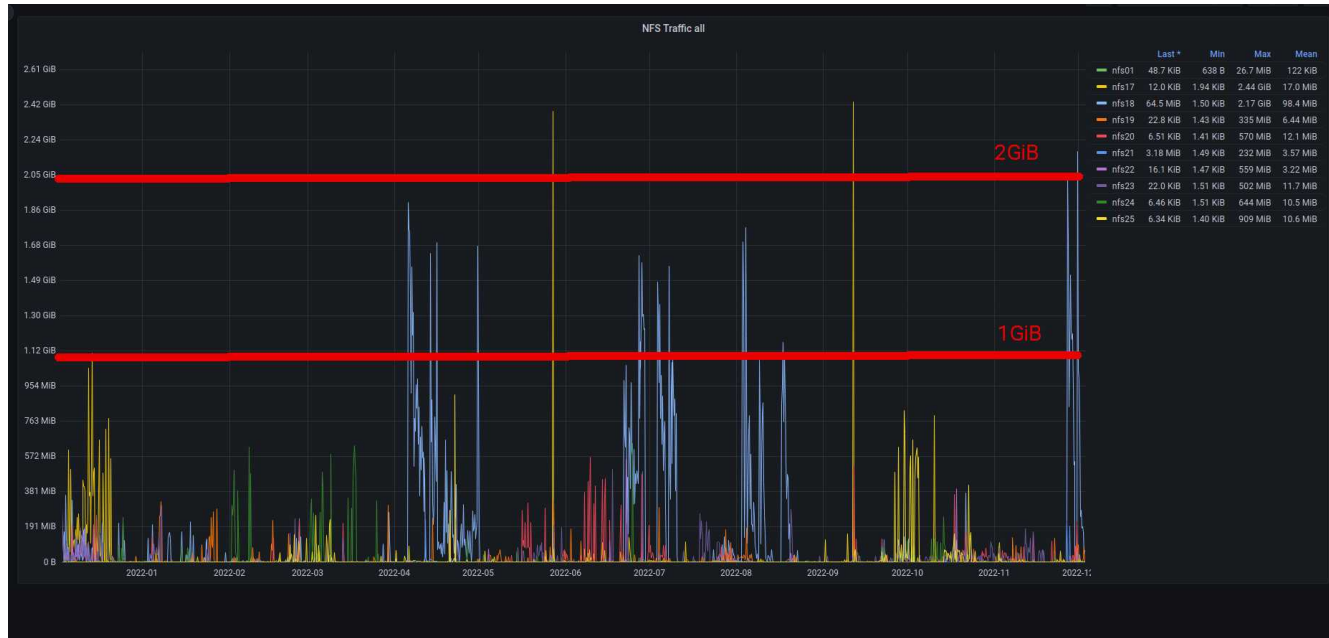
NFS Servers Non-Auger (nfs17,19)

Disk Space Usage



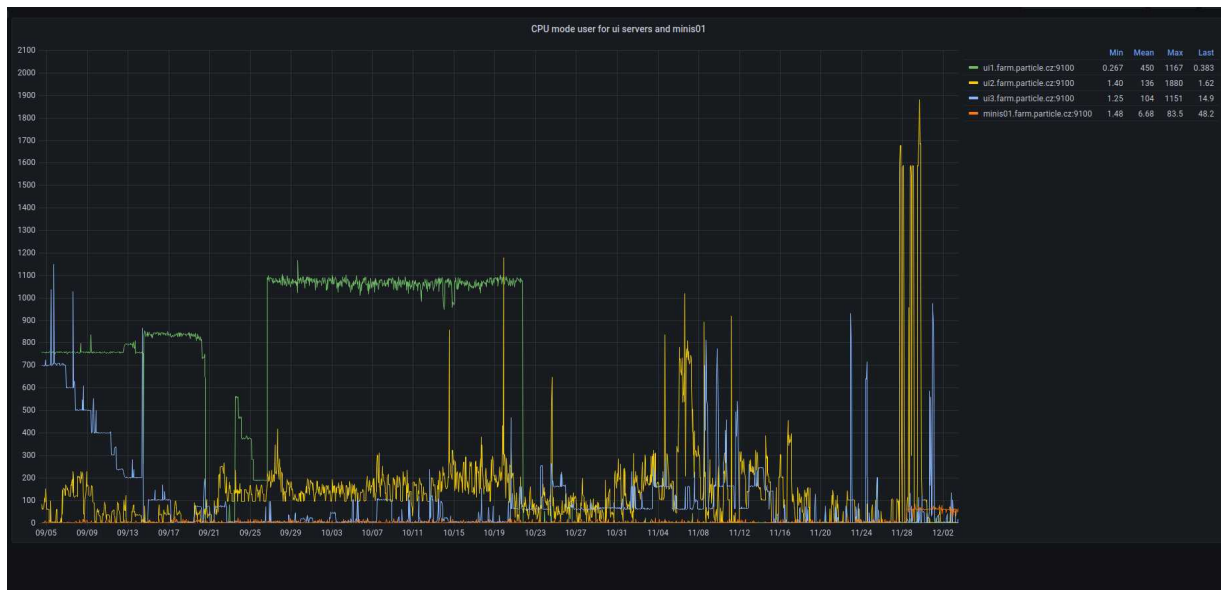
	Disk Usage [TB]
User 1	18
User 2	14
User 3	9
User 4	8.7
User 5	8.5
...	...
User 25	0.13

NFS Servers Traffic



- Network connection via 25Gbits (3GiB)

UI Servers vs. Interactive node minis01



- Long jobs at ui servers – not recommended
- minis01 - dedicated for interactive jobs, very low usage

Thank you for your attention