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# **NAF: Status update**

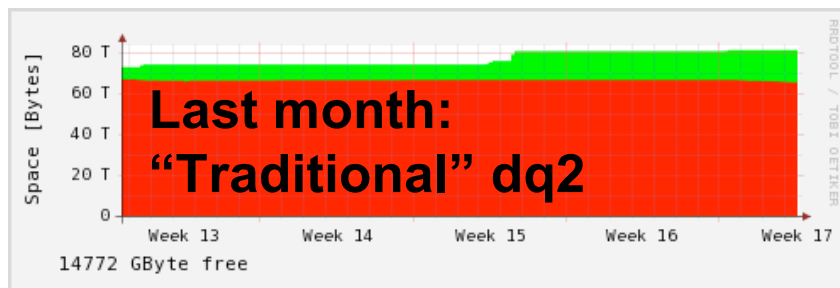
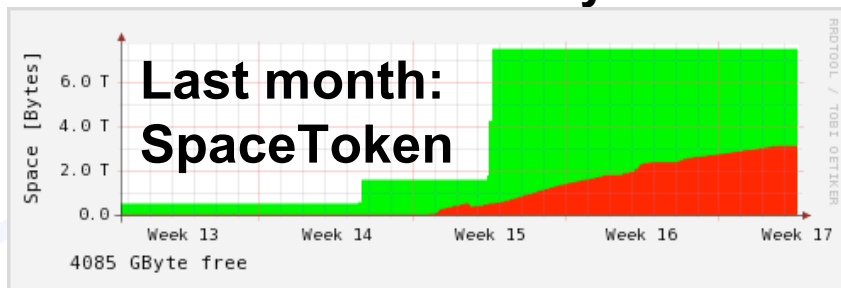
**Yves Kemp  
for the NAF team**

**ATLAS Hamburg  
weekly meeting  
25.4.2008**

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# Storage: dCache

- **Storage situation:**
  - Atlas uses SpaceTokens for writing new AODs
  - Atlas does not really delete old AODs



- **New Hardware underway**
  - Together with deletion of unused data, have more space for NAF users
- **Tool for measuring access to files almost ready**
- **Distributed dCache instance and remote reads under testing**
  - Currently some operational issues being solved
  - If operation tests successful: Test and optimize with real analysis
- **dCap with GSI authentication working!**

# Storage: Lustre

- **Current production version (1.6) installed in HH, and installed:**

- **Four filesystems (“directories”)**

16T	401G	15T	3%	/scratch/current/atlas
16T	355G	15T	3%	/scratch/current/cms
16T	508M	15T	1%	/scratch/current/ilc
16T	40G	15T	1%	/scratch/current/misc

- **The Lustre space is Scratch space:**

- **NO BACKUP or REDUNDANCY!**

- **Lustre optimal for large files, very poor performance with many small files**

- Do not compile, tar xf ...

- **User feedback is important!**

- How do you use Lustre?

- Some things can be tuned with current version 1.6

- Other things will be implemented only in next version 2.0

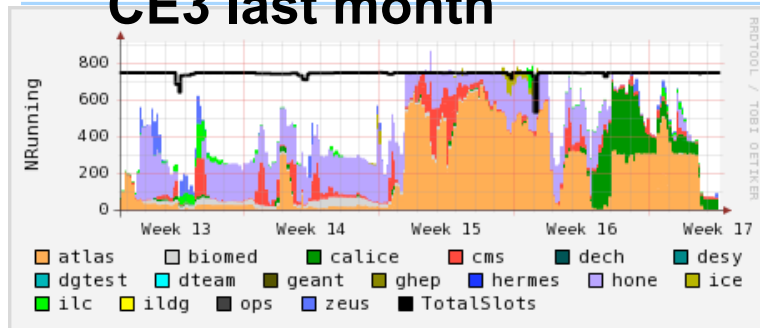
- **Please use and report!**

# Grid-Batch of NAF: Some statistics

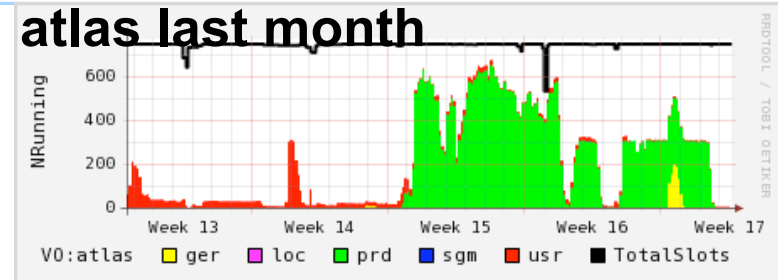


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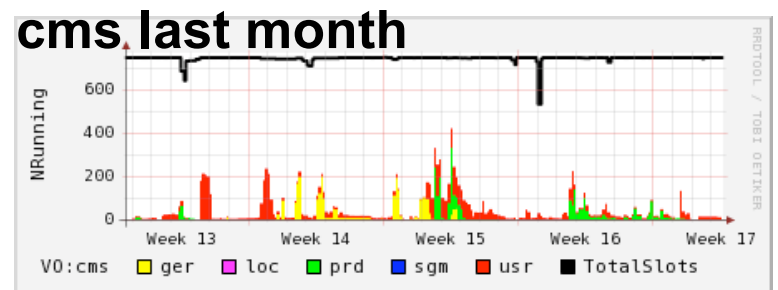
## CE3 last month



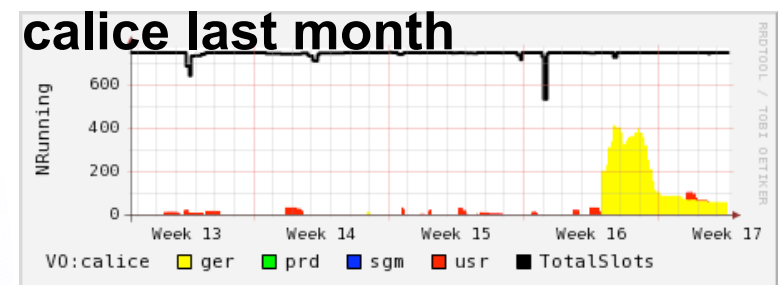
## atlas last month



## cms last month



## calice last month



- People use the NAF Grid resources!
  - Yellow areas on right plots
- Could be more!
  - Does everybody know how to use the /atlas/de group?

# Interactive & local batch

- In good shape
- Registry ready for more users
- Frequency of errors reported by alphatesters decreased
- More Atlas-NAF users than CMS/ILC-NAF users
  - Atlas will get more resources
  - Which ones? WGS? Batch? Storage? Grid?
- External users (“beta-test”) welcome!

# Support & Documentation

- We have seen that support is essential!
- [naf-helpdesk@desy.de](mailto:naf-helpdesk@desy.de) in place and being used
- [naf-alphatest@desy.de](mailto:naf-alphatest@desy.de) should be phased out
- Documentation
  - <http://naf.desy.de/> currently just a list of items
  - We are working on more documentation of the system itself
- Continuous process...

