

# DUNE Operations Meeting Week Of 2023-03-11

Call details are on <https://indico.fnal.gov/event/63082/>

## General Information

- The purpose of the meeting is:
  - to report significant operational issues (i.e. issues which can or did degrade experiment or site operations) which are ongoing or were resolved after the previous meeting;
  - to announce or schedule interventions at sites or services;
  - To inform about recent or upcoming changes in the experiment activities or systems having a visible impact on sites;
  - to provide important news about the middleware;
  - to communicate any other information considered interesting for DUNE operations.
- Any topic requiring more than 5 minutes of discussion should be noted and then discussed at another venue
- Whenever a particular topic needs to be discussed at the operations meeting requiring information from sites or experiments, it is highly recommended to announce it by email to the dune-computing-sites list (at [listserv.fnal.gov](mailto:listserv.fnal.gov) ) to allow the meeting coordinators to make sure that the relevant parties have the time to collect the required information, or invite the right people at the meeting. It is requested that such topics be announced no later than COB the Friday before the next meeting."
- Relevant contacts for test beams, services, and sites below should replace the "NC" either with a status or with "NTR" (nothing to report)

## Monday 11 Mar 2024

### Attendance:

Mike Kirby, Steven Timm, Andrew McNab, Elisabetta Pennacchio, Wenlong Yuan, Chris Brew

### Production Calendar:

<https://calendar.google.com/calendar/u/0/r/month?cid=i7ljin9ilk70hin7cr1l2e1kj4@group.calendar.google.com&pli=1>

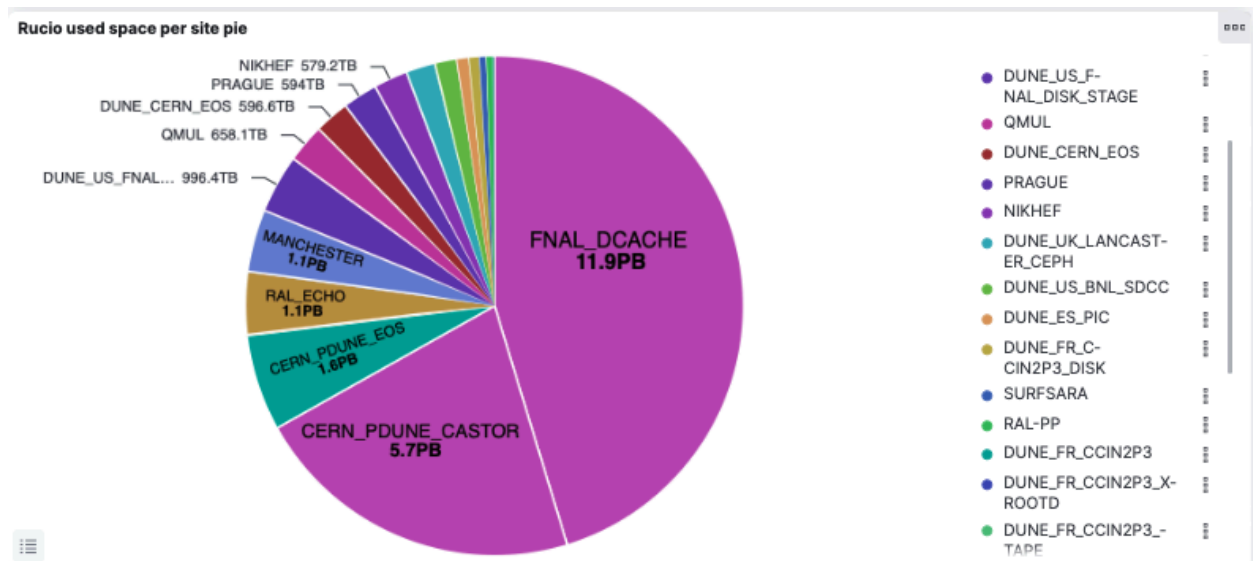
Production graphs and slides

Ongoing requests: PD-HD and PD-VD campaign preparation

New request (1 hour ago): reco2 for Atmospheric FD1-HD production ST: should start cloning this big reco1 dataset to places in europe right now it only lives at Fermilab.

See DUNE Services Round Table, comments in data management section  
 ST: 2GeV protodune MC files that were produced by Marco have been ingested, he can and should make more.

Data management graphs and slides  
 13 TB transferred by FTS last week.. More details below in Data Management



Discussion—can we show delta of storage space growth over time, also can we show capacity and actual usage. Tickets are open @ Fermilab for the latter

## **Announcements of Significant Operational Issues:**

Job failures reported on FermiGrid last week due to failing to access dCache via ipv6. FermiGrid workers were shifted to use ipv4. Off site access appears to not be affected. Intra-site ipv6 access is very spotty, some subnets work, some don't.

Move of /dune/data and /dune/data2 areas at Fermilab: see [https://docs.google.com/presentation/d/1FitWonYSnABt32FGXfVhzP\\_6dKd4Ucfr5Z0NZ27Cx7g/edit#slide=id.g2bf6c92a830\\_2\\_12](https://docs.google.com/presentation/d/1FitWonYSnABt32FGXfVhzP_6dKd4Ucfr5Z0NZ27Cx7g/edit#slide=id.g2bf6c92a830_2_12)

Liquid Argon now starting to fill Protodune-HD

Fermilab beam to NUMI (with minerva-2x2 prototype in it) also coming soon, expected in a week or two.

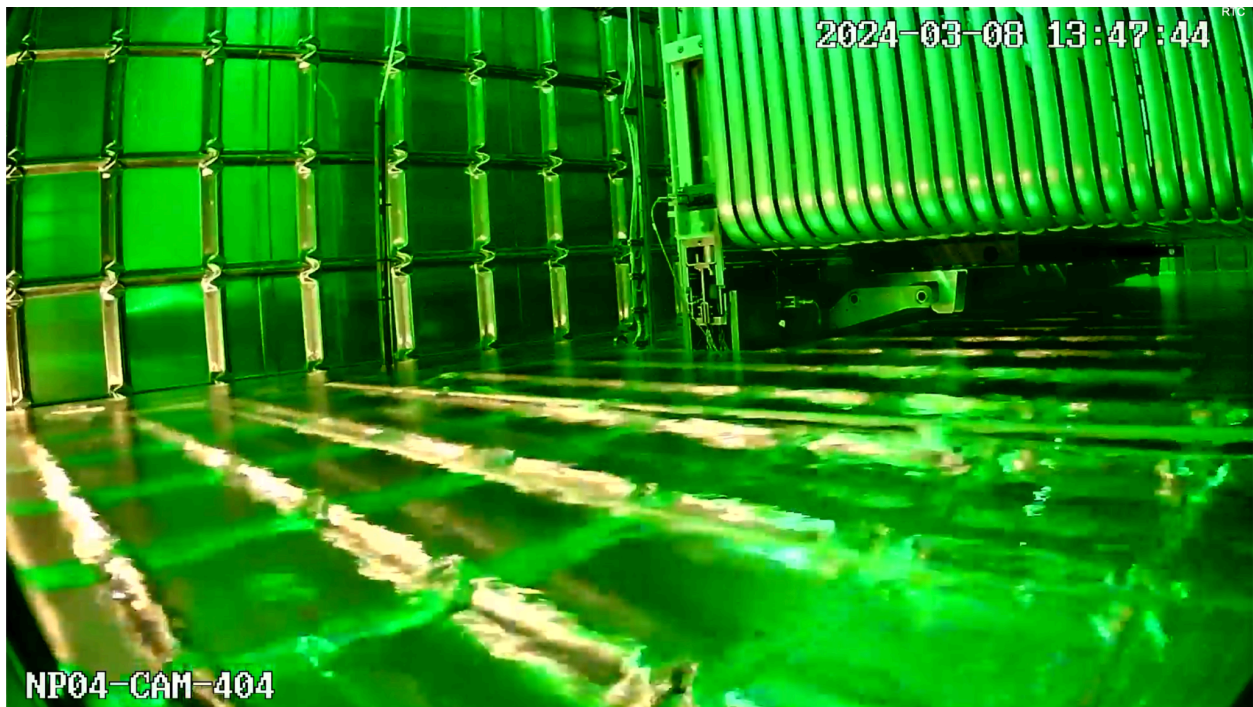
Computing has asked to upgrade all our remaining dunegpvm's at Fermilab (01-15) to Alma 9 by April.. Discussions are ongoing.

## **Running Expt. Round Table**

NP02: NTR

NP04: Argon is here! Weekly coordination meetings start back up tomorrow 15:00 CERN Time. Need from all consortia the commissioning activities that need to be done between now and May 13. Will continue to happen throughout entirety of NP04 operations.

[https://docs.google.com/document/d/16sihQrvT\\_G3OETzDYJLRZi27Aie8BWvam5RmLmi6sag/edit?usp=sharing](https://docs.google.com/document/d/16sihQrvT_G3OETzDYJLRZi27Aie8BWvam5RmLmi6sag/edit?usp=sharing)



ArgonCube 2x2: in contact with various people who will be making file metadata for LAr light and charge readout.

TOAD: NC

Iceberg: NC

#### **DUNE Services Round Table:**

Data Management: Currently working through all the files generated thus far in the reco2 production for HD and VD, cleaning up bad files and duplicates. Scripting is straightforward but runs quite slowly. DeclaD enabled again at Fermilab to process 2GeV MC files and expected input from 2x2Minerva prototype. Fighting problems with Rucio not deleting unused files on our staging element at Fermilab, leaving us very small space to support ongoing production. RITM2031470

Authentication: they will allow all CERN SSO to read [wiki.dunescience.org](http://wiki.dunescience.org) while they continue to redo the whole user authorization system.

Global Pool: Can't see jobs on the UK and BNL schedd's INC000001169564 filed at Fermilab. This will affect all justIN based production although workarounds are possible if it continues much longer. Also can't submit jobs to US side of global pool at the moment INC000001169566 filed for that. Andrew—please add links in future.

Monitoring: NC

Workflow (justIN): Pro(duction) instance at 00.14 - catch up of updates during DC24. Will be rebadged as 01.00 later this month. Intend to deploy Int(egration) instance this week which will roughly track the GitHub main branch of justIN and allow testing of new features by non-developers.

AWT/ETF: Disabled due to global pool outage above.

AWT: <https://justin.dune.hep.ac.uk/dashboard/?method=awt-results>

ETF:

[https://etf-dune-prod.cern.ch/etf/check\\_mk/index.py?start\\_url=%2Fetf%2Fcheck\\_mk%2Fview.py%3Fview\\_name%3Dallhosts](https://etf-dune-prod.cern.ch/etf/check_mk/index.py?start_url=%2Fetf%2Fcheck_mk%2Fview.py%3Fview_name%3Dallhosts)

Database Servers: NC

Networking: NC

## Sites Round Table

BR-CBPF: NC

CA-Victoria: NC

CA-SFU: NC

CERN: Ticket open re CTA (eosctapublic) to figure out how to replace the voms-mapfile technology they are using for authentication at the moment. Https service now enabled there.

CH-BERN: GGUS ticket open for months, factory ops and site admins having trouble figuring out what is wrong with glideins.

CZ-FZU(Prague): NC

ES-PIC+CIEMAT: NC

FR-CCIN2P3: scheduled maintenance tomorrow March 12 (from 6:00 to 16:00 UTC)

IN-TIFR: NC

IT-CNAF: NC

NL-NIKHEF/SurfSARA: NC

UK-GRID-PP:

Edinburgh: NC

Manchester: Requested updates to GPU entries in pilot factories.

RAL-Tier1: NC

RAL-PP: NC

QMUL: NC

Liverpool: NC

Durham: Ticket still open, glideins running but apparently not matching.

Oxford: NC

Bristol: NC

Sheffield: NC

Imperial: NC

Brunel: NC

Lancaster: NC

Other:

US-BNL: NC

US-FNAL:

Enstore/dCache: See info on ipv6 troubles of public dCache above—dCache downtime 20 march

Ceph migration: /dune/data and /dune/data2 go read only on March 20

Jobsub\_Lite: new 1.7.0 release candidate available on test machines.

GPVMS: we need to give unified answer to Lisa Goodenough on when we want all of our dunegpvms updated to Alma9. Discussion currently ongoing among computing management.

Batch Clusters: NC

Computing Access: NC

Wiki/Documentation: NC

US-HEPCloud (NERSC): GPU detection via CUDA at NERSC not working.

US-OSG-Opportunistic: NC

Review of github issues <https://github.com/DUNE/dist-comp/issues>