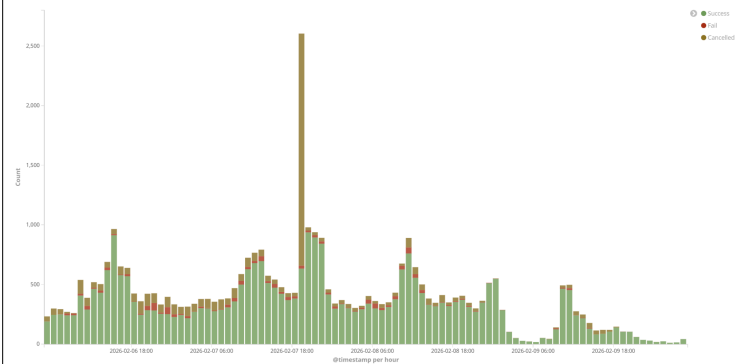
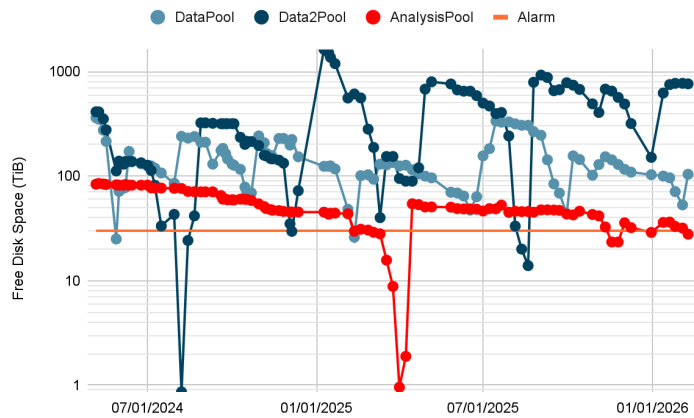


Monitoring resource usage

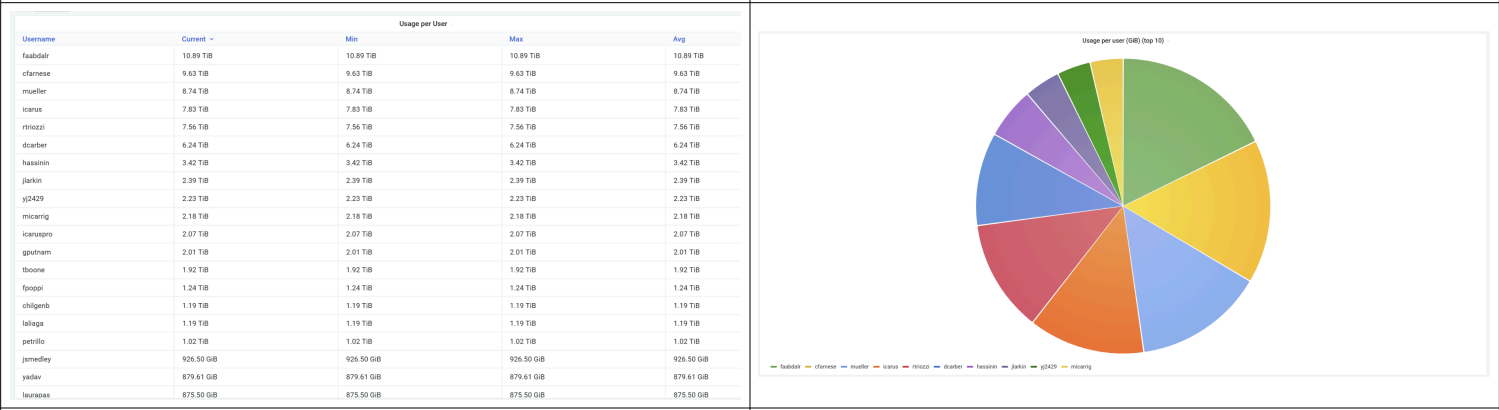
Job Error Rate



Dcache Persistent Usage per user
Total is 114 TiB: [link](#), Used space: 86.2 TiB (75.5%)



Dcache Persistent Usage per user (GiB)(top 10)



Production requests

2025 Ongoing/Pending Production Requests
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A	B	C	D	E	F	G	H	I
Request #	Campaign Manager	Status	Timestamp	Email Address	Name/tag of the request	Experiment	Type	Total number of events to produce
61	Wester	Assigned	6/25/2025 13:14:10	jaz8600@fnal.gov	ICARUS Spring, Run 4 Off-Beam BNB Majority Data, Processing	ICARUS	DATA	1414350
86	Manuel	Assigned	9/3/2025 18:02:07	gputnam@fnal.gov	ICARUS 2025A BNB Run 2 Overlay B	ICARUS	Overlays	2 million
112	Promita	Assigned	10/20/2025 17:23:42	gputnam@fnal.gov	Run2 OnBeam (re-jcalibrated CAFs	ICARUS	DATA	All input events
114	Ivan	Assigned	10/20/2025 17:29:48	gputnam@fnal.gov	ICARUS MC Overlay CAF Files	ICARUS	Overlay	500k
123	Fatima	Assigned	11/18/2025 19:02:17	aheggest@colostate.edu	ICARUS Run-4 BNB MinBias with RWM timing and HW trigger info	ICARUS	DATA	All of Run-4 BNB MinBias events
132	Alessandro	Assigned	11/26/2025 11:14:12	dds67@pitt.edu	Rock Muon Sample	ICARUS	MC	200k
145	Wester	Assigned	12/17/2025 21:56:47	gputnam@fnal.gov	Run 4 Neutrino Overlay MC	ICARUS	Overlays	3.5 million
152	Alessandro	Assigned	1/6/2026 14:59:45	dds67@pitt.edu	NuMI Run 3 RHC	ICARUS	DATA	10% of Run 3 Data
153	Manuel	Assigned	1/12/2026 14:04:36	daniel.carber@colostate.edu	Detector Systematics - YZ nonuniformity variation NuMI Nue	ICARUS	MC	50000
154	Manuel	Assigned	1/12/2026 16:40:18	sas1084@pitt.edu	NuMI Run2 MinBias	ICARUS	DATA	All of RUN-2 NuMI MinBias events
155	Alessandro	Assigned	1/20/2026 14:14:57	mueller@fnal.gov	Extended MPV/MPR Sample	ICARUS	MC	500k
156		Pending	1/27/2026 16:26:15	daniel.carber@colostate.edu	Detector Systematics - CV NuMI + cosmics	ICARUS	MC	300,000
161		Pending	2/3/2026 10:24:23	gputnam@fnal.gov	WireMod Overlay ICARUS Generation, Run 2 Part 2	ICARUS	Overlays	300k
162		Pending	2/3/2026 10:26:16	gputnam@fnal.gov	WireMod Overlay ICARUS Generation, Run 4	ICARUS	Overlays	600k

Link to [spreadsheet](#)
Link to [github project](#)

POMS active campaigns [here](#)

Notes

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Requests

- Assigned:
 - Request #61 [Thomas -]: [RUN 4]
 - i. MC: MC overlays production at Aurora is almost complete. 3 million events (about 100TiB) have been transferred back to FNAL & declared to SBN SAM: Stage0, calib. ntuple, flatcaf, caf.
 - ii. The total requested size was 3.5 million events. The production of the last 500k events is ongoing: 350k events fail due to metadata issues, and 150k fail due to larsoft failures at an earlier stage.
 - Request #86 [Manuel - / Ivan -]:
 - i. See #75. Running (40% complete)
 - Request #112 [Promita -]:
 - i. Ongoing

- Request #114 [Ivan ▾]:
 - i. Needs confirmation from Gray for further processing
- Request #123 [Fatima ▾]: Running (59% complete)
- Request #132 [Alessandro ▾]:
 - i. Test validated, gen_g4 stage is almost completed (90%)
- Request #152 [Alessandro ▾]: (new ongoing tests)
 - i. Issues with fcl files related to POT. Vito said that `run_numiinfo_sbn.fcl` requests some dedicated solutions.
- Request #153 [Manuel ▾]: Test completed. Full campaign submitted.
- Request #154 [Antonio ▾]: 100% completed
- Request #155 [Alessandro ▾]: Test is almost finished (might be run at NERSC)

Action Items and Open issue

- Link to [action items](#)
- [Promita ▾] Datasample deletion campaign: ONGOING, cleaned around ~128 TiB free disk space. Transfer LarCV files on SLAC to free up other space.
- [Matteo ▾] *icaruscode* reproducibility: ongoing. Here [details](#).
- Transferring Run2 compressed files to Tape (**420 TB**), **some TBs in DataPool2 as well (need to be copied to tape)** (Antonio)
- **Keep a subset of bnbmajority compressed raw data (run 9435)**
- Mike Mooney and team:
 - Transferring `icaruspro_production_v09_89_01_01_2024A_ICARUS_BNB_nue_MC_FRFIX_stage1` to tape
 - Following the transfer: the dataset worth **35TB** can be deleted from SBNDDataPool (Promita and Vito) (**DONE**)
- Transferring `icarus_RWMStudies_production_Run2_BNBMinbias_v09_91_02_02_stage1` to tape prior to deletion (will free up ~**14TB**) (Promita and Vito) (**DONE**)

- Deleting **icaruspro_2024_Run2_production_Reproc_Run2_v09_89_01_01p03_bnbminbias_stage1** (will free up to ~11TB) (**DONE**)

- **RHC sample with previous icaruscode v09_89_02_00p01 deleted (15TB)**

- Other deleted datasets (MC) :

icaruspro_production_v09_89_02_00p01_2025A_ICARUS_NuMI_RHC_MC_NuMI_RHC_larcv,

icaruspro_production_v09_89_02_00p01_2025A_ICARUS_NuMI_RHC_MC_NuMI_RHC_stage1, (larcv + stage1 **20TB**)

icaruspro_production_v09_89_01_01p02_2024A_ICARUS_NuMI_MC_FRFIX_NuMI_MC_FRFIX_larcv, (**10TB**)

icaruspro_production_v09_89_02_00p01_2025A_ICARUS_NuMI_FHC_MC_NuMI_FHC_larcv,calibtuples, caf, flatcafs, (**19 TB**)

icaruspro_production_v09_89_01_01p02_2024A_ICARUS_NuMI_nue_MC_FRFIX_NuMI_nue_MC_FRFIX_larcv (**3.5 TB**)

icaruspro_production_v09_83_01_2024A_ICARUS_MPVMPPR_MC_2024A_MPVMPPR_MC_larcv (**4.7 TB**)

- Data campaigns:
 /pnfs/sbn/data/sbn_fd/poms_production/data/TriggerTest/
 /pnfs/sbn/data/sbn_fd/poms_production/data/Data_Run3_11816_allPMT (2.8 TB)
 /pnfs/sbn/data/sbn_fd/poms_production/data/Data_Run3_11813_allPMT (3.6 TB)
 /pnfs/sbn/data/sbn_fd/poms_production/data/Run3 (69TB)

CNAF

- **RUN3 Processing:**
Valerio and his team: they have processed 100% of on- and off-beam, both bnbmajority and bnbminbias. Now the Italian team is processing the Calibration. Then, stage1 and caf will be reprocessed.

AURORA

- Run4 MC Overlays:
Thomas and his team: ICARUS Run 4 MC production is finished at ANL. 3 million events (about 100TiB) of Run 4 MC have been transferred back to FNAL & declared to SBN SAM: Stage0, calib. ntuple, flatcaf, caf. The total requested size was 3.5 million events. The production of last 500k events is ongoing.

Keepup

- [Ivan ▾]:
 - not yet started with wcdnn framework: to do **getting everything running from github**
Running fine

Infrastructure

- [Giuseppe ▾]:
Daniel Carber (SPINE) joined us.
- **We have been keeping the larcv files on SBNDDataPool for all the SBN spring productions as well as the NuMI/BNB extended samples. Some TBs can free up if these larcv files are transferred to SLAC. -> Get started with RUCIO (effective transfer)**
- [Mateus ▾]
SBND side plans on the use of the SBN SAM for sharing DATA/MC:
 - The initial plan for SBND was to migrate fully to the SBN SAM, but for new productions running right now it proved to be way more complicated than expect to simply switch POMS to use a new SAM. Therefore our current plan right now is to keep using the SBND SAM but setting a cronjob to synchronize new files.
 - we had this cronjob setup in the past, so it should not be too complex to set it back
 - For all the older files that are only on the SBND SAM we will go through a migration or mirroring process to declare/add-location/create-definitions in the SBN SAM
 - again it was something we did a few years ago so we have the script basis to work from.
 - John Plows is currently working on setting up the procedure, the idea is to have a script that we can feed a dataset to and all will be set in the SBN SAM.
 - Once this is done I see no reason for this to not work and be shared with ICARUS.
 - it will be a lengthy process but hopefully the work will be just babysitting a script.

Happy to help with this process for ICARUS and to clarify anything from the SBND perspective. John can use some help in case anyone has the will/availability.

Software

- [Tracy ▾]:
 - The release status is in progress. The new version will be released next week.

Computing

- [Vito ▾]:

Managed proxy:

Vito: will kindly test the FTS setup with tokens (test done) -> completed

Start a separate Rucio campaign to transfer LArCV files to SLAC once they are produced (25% completed)

Rucio also uses a proxy, need to use tokens

Nersc is available, but in maintenance next week (Feb 18th). We can submit jobs until Sunday.

Vito: supported SPINE workflow on GPU FermiGrid.