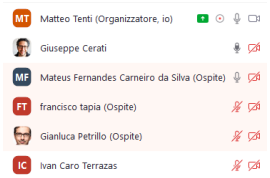
Jun 11, 2024 11:00 AM CDT | ICARUS Production Meeting

Attendees



Production requests

Request #	Email Address	Name/tag of the request	Status	Type	Size	Output	WG	File Processing location	Campaign Manager	Path (/pnfs/sbn/data/sbn_fd/poms_production)
9	cerati@fnal.gov	New compression	Done	Data	-	raw	AI	OSG	Mateus	/data/compression

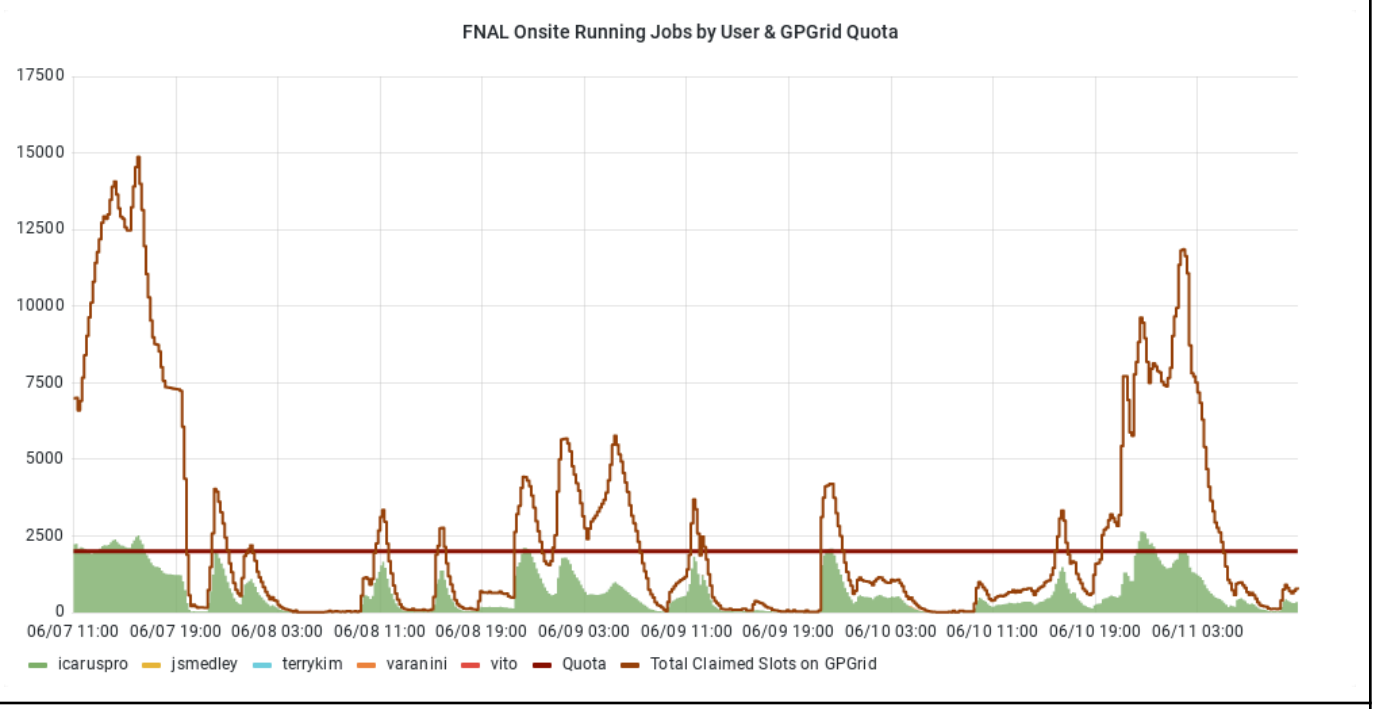
13	petrillo@slac.stanford.edu	ICARUSrun11816full	Running	Data	110k	stage1, caf	PMT	OSG	Promita	/data/Data_OpticalReconstructionWG_Run3_11816_*
14	petrillo@slac.stanford.edu	ICARUSrun11813full	Running	Data	110k	stage1, caf	PMT	OSG	Promita	/data/Data_OpticalReconstructionWG_Run3_11813_*
15	justin.mueller@colostate.edu	LArCV Production for Run 2	Done	Data	-	LArCV	ML	OSG	Mateus	-
29	usher@slac.stanford.edu	Reprocess Run 2 for Neutrino'24	Running	Data	-	stage1, caf	Analysis	OSG	Promita	/data/Run2_DataReprocess
30	jzettle@fnal.gov	jzettle_systematics_cv_nuonly	Done	MC	200k	stage1, caf, LArCV	Osc. Analysis	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_MC_CV_Sys
31	jzettle@fnal.gov	jzettle_systematics_tpcsignalshape_variation_nuonly	Done	MC	200k	caf, LArCV	Osc. Analysis	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_Sys_VAR1_untunedtpcsigshape
32	drielsma@slac.stanford.edu	MPVMPR	Done	MC	300k	LArCV	ML	OSG	Francois	-
33	daniel.carber@colostate.edu	NuMI LArCV data processing	Done	Data	1M	LArCV	ML/NuMI	OSG	Francois	-
34	betan009@fnal.gov	standard NuMI fcl	Pending	MC	3M	stage0, stage1, caf	NuMI			
36	justin.mueller@colostate.edu	Justin Mueller	Running	MC	336096	LArCV	ML	OSG	Francois	-
37	jzettle@fnal.gov	Detector Systematics - Middle Induction Minimal Transparency	Done	MC	200k	caf, LArCV	BNB	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_Sys_VAR1_tpcsignalshape
38	jzettle@fnal.gov	Detector Systematics - Middle Induction Maximal Transparency	Done	MC	200k	caf, LArCV	BNB	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_Sys_VAR3_tpcind2transparent
39	jzettle@fnal.gov	Detector Systematics - Front Induction Increased Gain Variation	Done	MC	200k	caf, LArCV	BNB	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_Sys_VAR4_tpcind1increasegain
40	jzettle@fnal.gov	Detector Systematics - Front Induction Decreased Gain Variation	Done	MC	200k	caf, LArCV	BNB	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_Sys_VAR5_tpcind1decreasegain*
41	jzettle@fnal.gov	Detector Systematics - PMT Quantum Efficiency Variation	Done	MC	200k	caf, LArCV	BNB	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_Sys_VAR6_pmtdecreasedqe
42	jzettle@fnal.gov	Detector Systematics - Recombination Model Variation	Done	MC	200k	caf, LArCV	BNB	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_Sys_VAR7_ellipsoidalrecomb*
43	jzettle@fnal.gov	Detector Systematics - TPC Coherent Noise Increase Variation	Done	MC	200k	caf, LArCV	BNB	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_Sys_VAR8_tpccohnoisep1sigma
44	jzettle@fnal.gov	Detector Systematics - TPC Coherent Noise Decrease Variation	Done	MC	200k	caf, LArCV	BNB	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_Sys_VAR9_tpccohnoisem1sigma
45	jzettle@fnal.gov	Detector Systematics - TPC Intrinsic Noise Increase Variation	Done	MC	200k	caf, LArCV	BNB	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_Sys_VAR10_tpcintnoisep1sigma
46	jzettle@fnal.gov	Detector Systematics - TPC Intrinsic Noise Decrease Variation	Done	MC	200k	caf, LArCV	BNB	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_Sys_VAR11_tpcintnoisem1sigma
47	koh0207@stanford.edu	ICARUS BNB Nue Only + CORSIKA	Assigned	MC	1M	stage1, caf, LArCV	ML	OSG	Francois	
48	farnese@pd.infn.it	New Light Variation	Done	MC	200k	stage1, caf, LArCV	Analysis	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_Sys_VAR12_pmtdecreasedqe2
49	jzettle@fnal.gov	Detector Systematics - Null Variation	Done	MC	200k	caf, LArCV	Osc. Analysis	OSG	Mateus	2024A_ICARUS_MC_CV_Sys/2024A_Sys_VAR0_null
~~50~~	~~petrillo@slac.stanford.edu~~	~~ICARUSmajorityOnlyRuns~~	~~Pending~~	~~Data~~		~~stage1~~	~~Trigger~~		~~Ivan?~~	
51	petrillo@slac.stanford.edu	ICARUSrun11926_32_33	Pending	Data	4130	Stage1 (+ calib.)	Trigger		Ivan?	

Link to spreadsheet

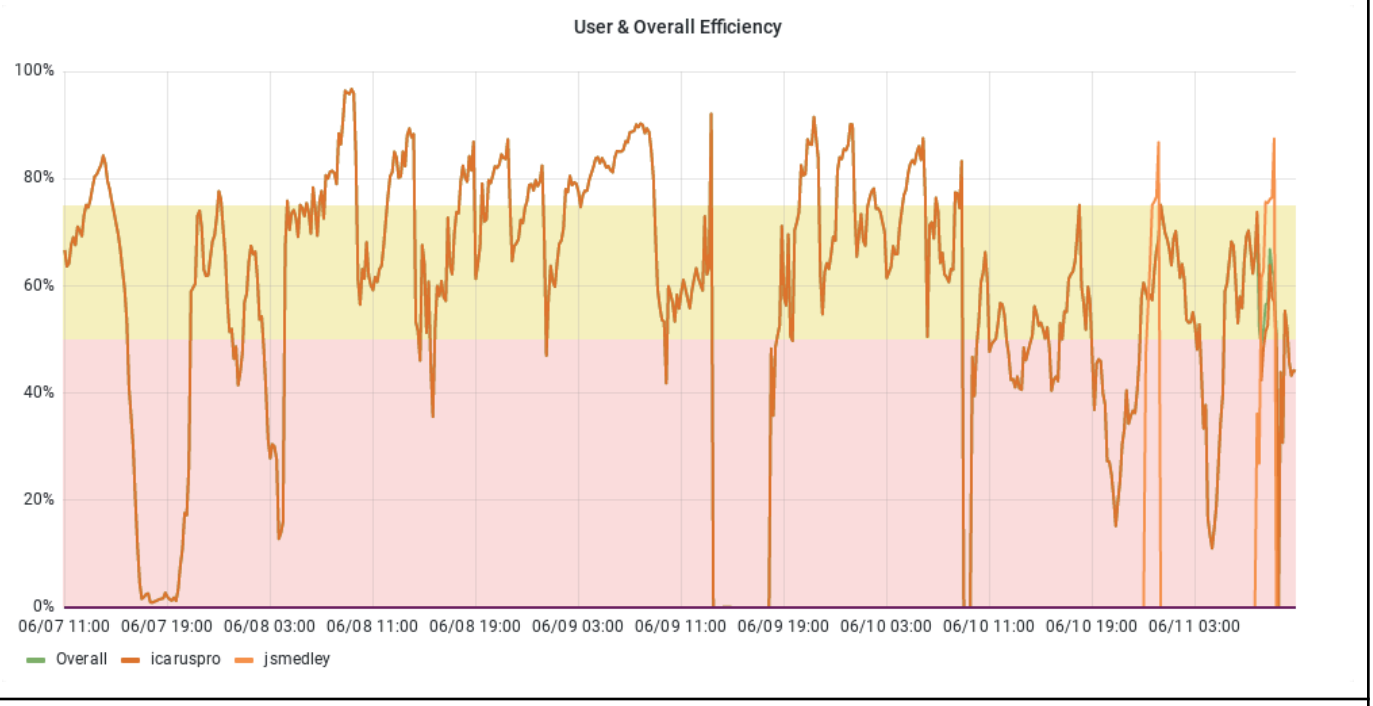
Link to [github project]

Monitoring resource usage

User Grid Usage
History of the *Running Jobs by User* for the last 4 days: [link]

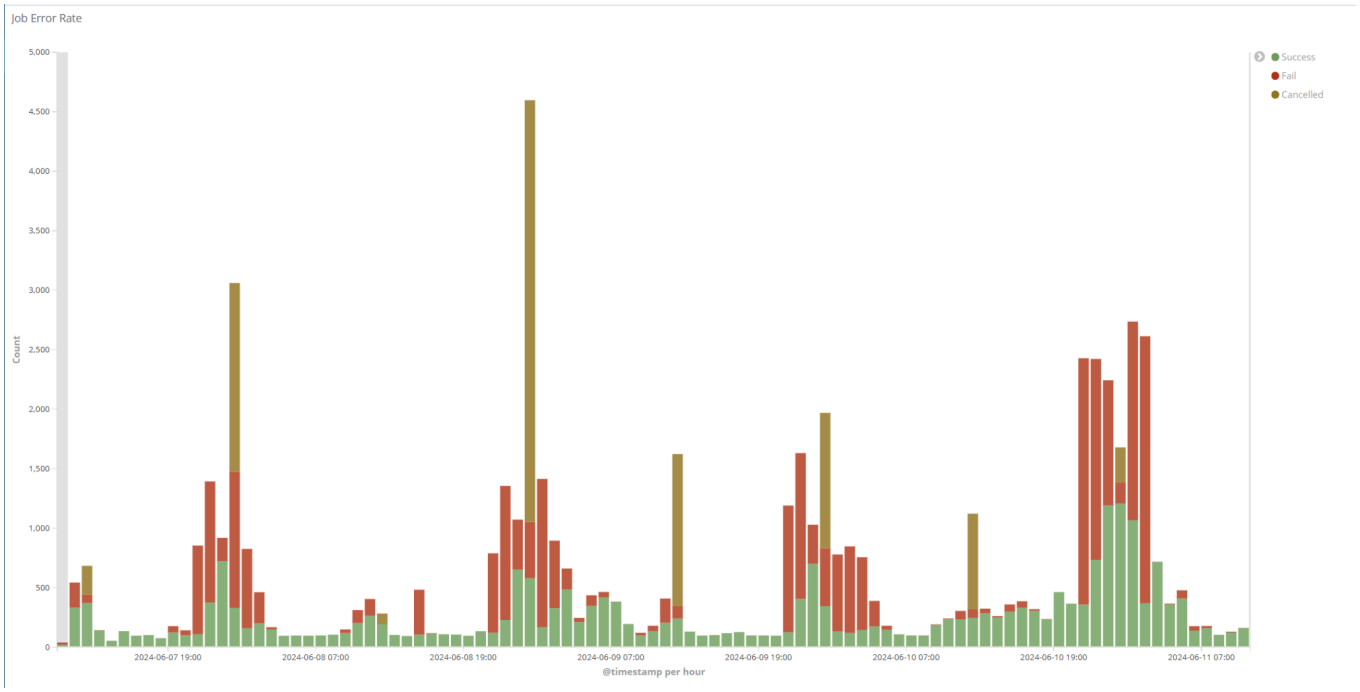


User Job Efficiency
History of the User Job Efficiency for the last 4 days: [link]



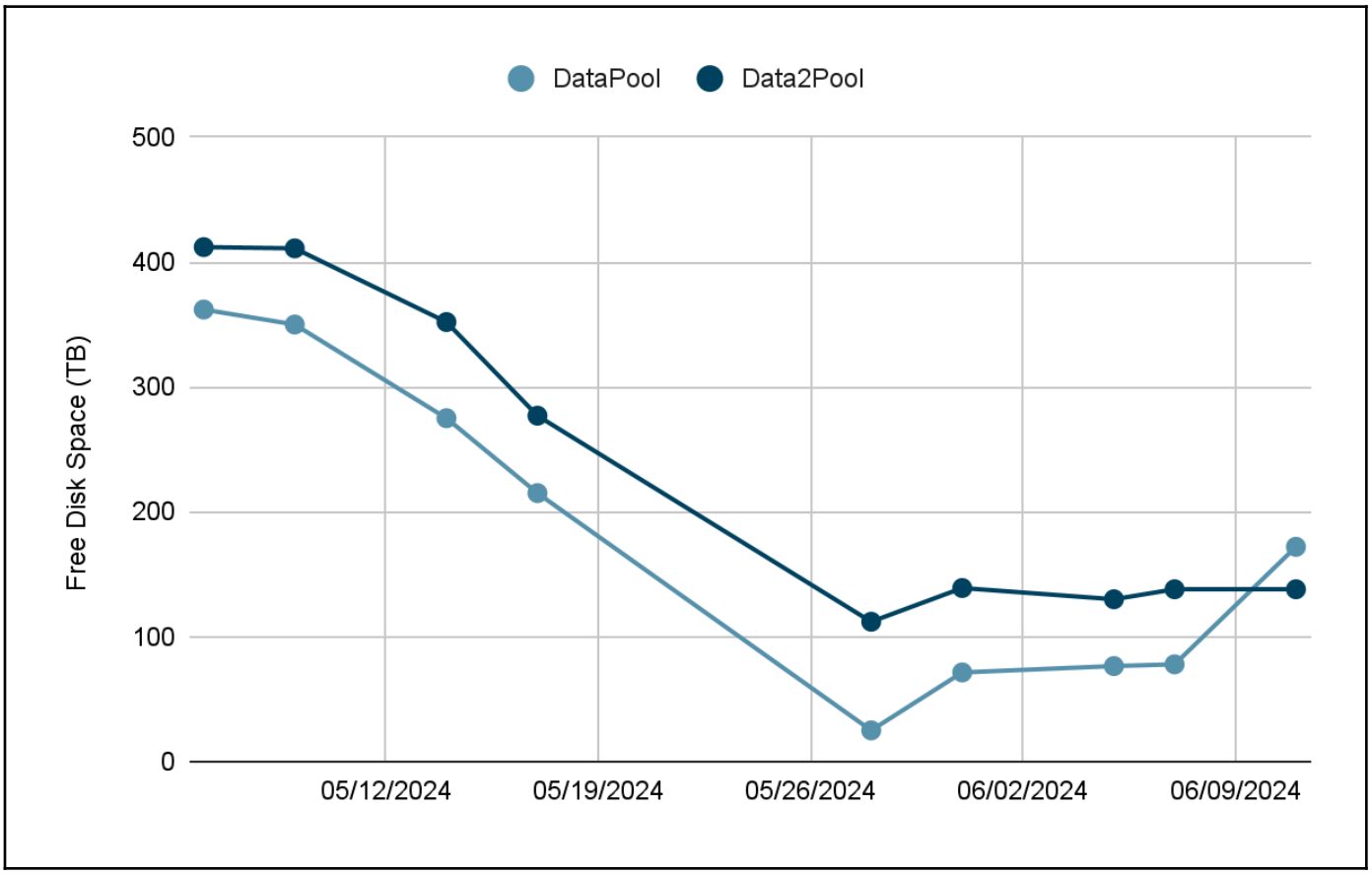
Icaruspro Jobs Exit Code

History of the icaruspro job exit code for the last 4 days: link



SBN Data Pools

link



Active Campaigns in POMS

Campaign Name	ID	Creator	Note
2024A_ICARUS_BNB_nue_volDetEnclosure_MC	8512	drielsma	?
NuMI_MC_reprocess_LArCV_wRUCIO_SLAC	8505	drielsma	?
2024A_ICARUS_Run2_Reprocess_DATA_v09_89_01_bnbmajority	8433	promitar	Request #29
CloneCampaign_FT_test_DATA_2	8427	ftapia	Test
icarus_keepup_Physics_allstreams_Run3	8401	icaro	Keepup
2024_Run3_Run11816_OpticalReconstruction_WG_offbeambnbminbias	8140	promitar	Request #13
MCC1.1_icarus_prod_mu_proton_bnblike_center	4522	drielsma	?

MCC1.1_icarus_prod_mu_proton_bnblike_cathode	4521	drielsma	?

Link here

Notes

- Link to action items
- Link to open issues
- Three topics arose:
    - Define a policy for the disk location of the productions to have a systematic organized production disk area
    - Have a tool to monitor the usage of the production disk area
    - Validate the new production release. An idea is to run it on a test run. This could also help to profile the release in terms of RAM, output file size, execution time

CNAF

- RUCIO transfers?

FNAL

-

Keepup

- ICT:

Infrastructure

- GC:

Software

- TU:

Computing

- VDB: