# MicroBooNE Status Report

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Fermilab

AEM/Lab Status Meeting

Monday 30th October 2017

MicroBooNE Operations

- Status at last AEM (October 9th):
  - End-of-shutdown tests completed: late-light study, grounding of PMT flange, DAQ SN operations
  - Problems with router in LArTF: closely monitoring situation and stability with new hardware
  - MicroBooNE now waiting for beam

- Operation plans for last week:
  - Continue to monitor situation with LArTF router. Discussions with Network Services and Neutrino Division to develop contingency plan to minimize lost beam time should problems recur.
  - Installed standby Cisco Nexus router to mitigate possible future downtimes
  - Be ready for beam!

- Current work:
  - Beam returned Friday evening, stable running since then
  - Beam timing from resistive wall monitor looks good

Beam Statistics

POT (Week of 10/23/2017)

DAQ UpTime (Daily, Past Week)
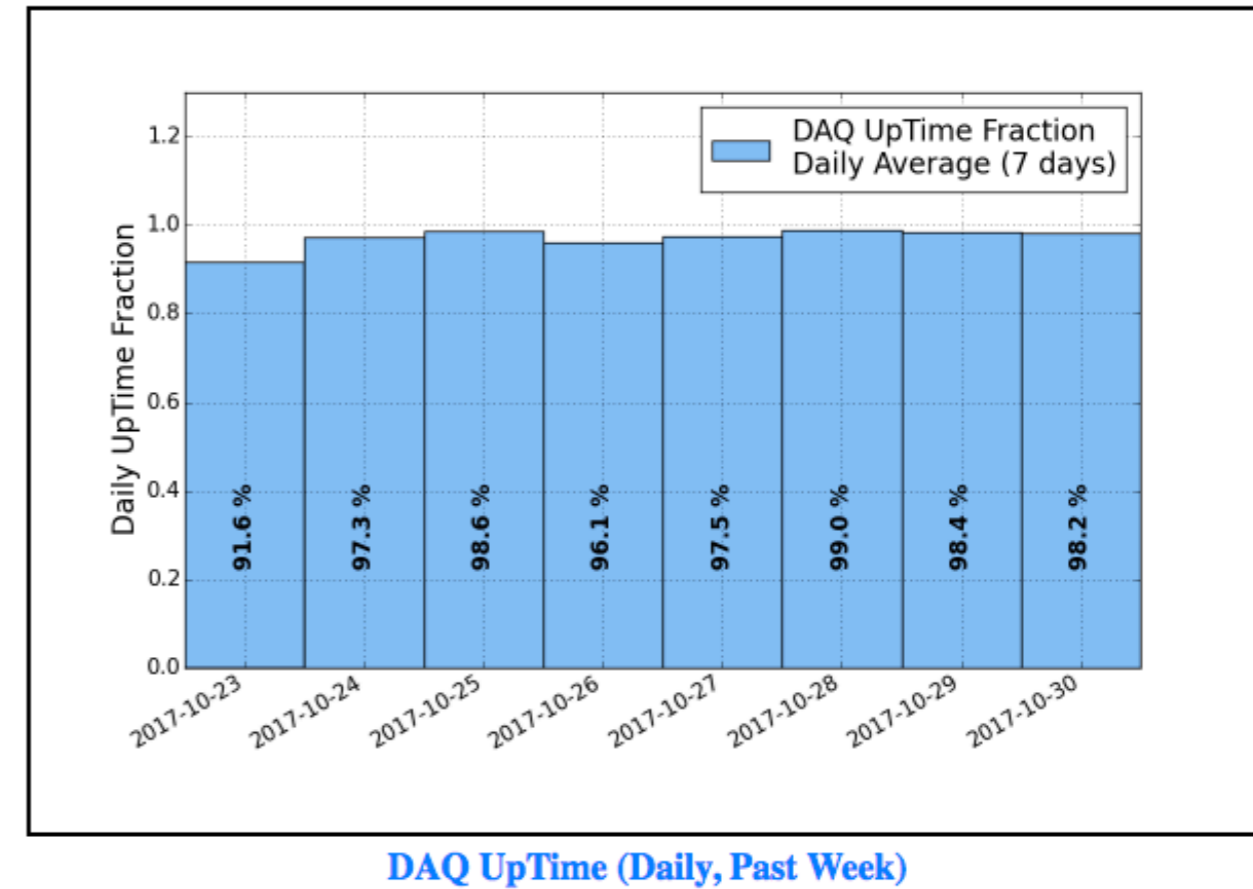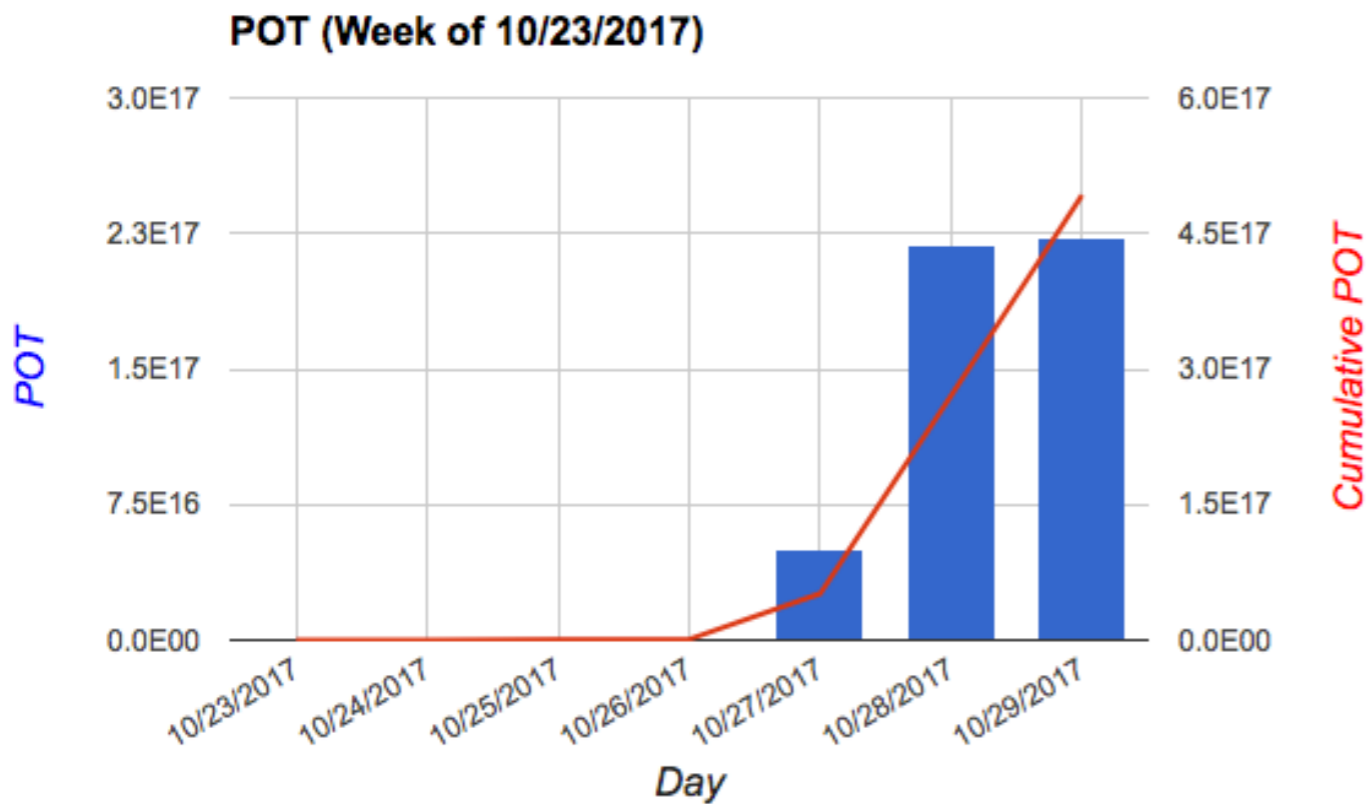
- POT delivered: 4.924×10^{17}
- POT on tape: 4.849×10^{17}

Computing Summary
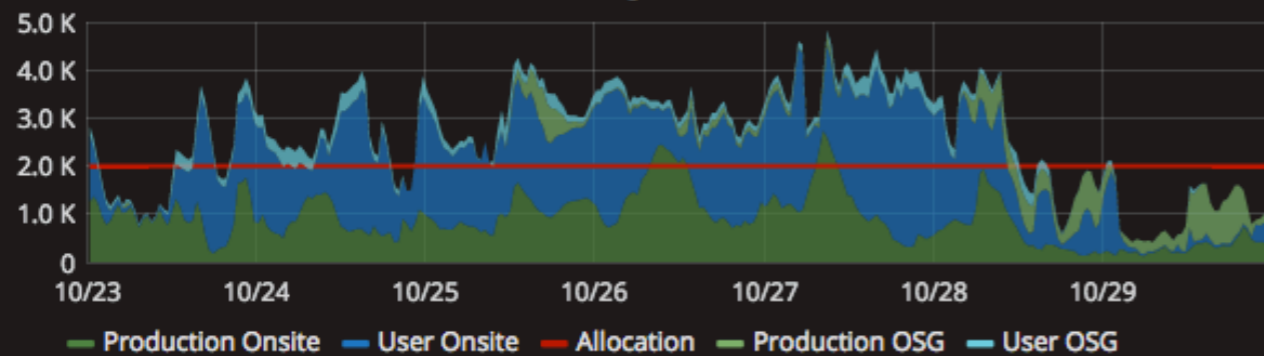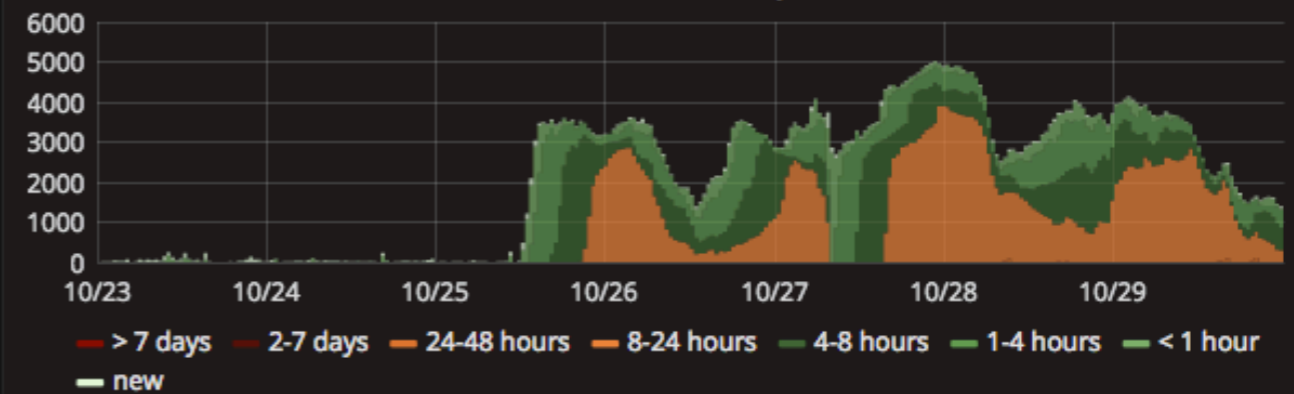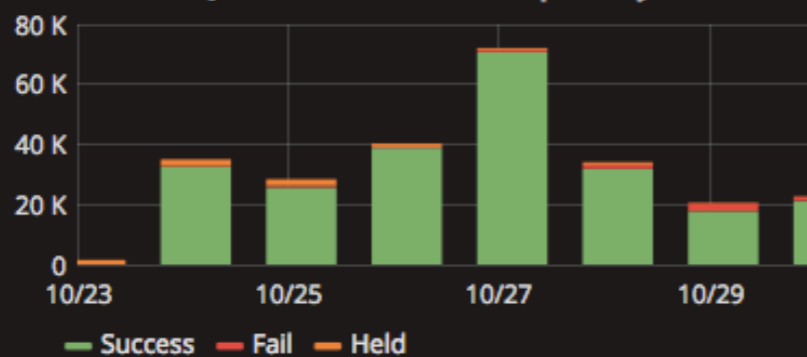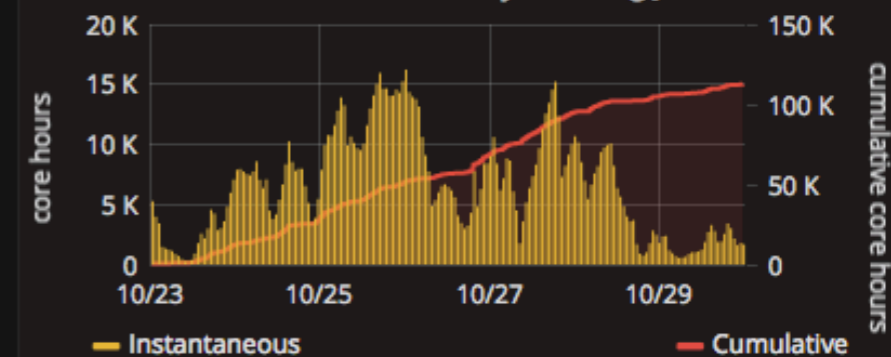
Production

- Data and Monte Carlo processing for Neutrino 2018 has begun

Microboone Datasets Production
MCC8 Reprocessing Validation using v06_26_01_08 (MCC 8.4)
(Updated on Oct. 21,2017)

Input	Reconstructed	Analysis Tree	DQM Tree
prod_bnb_reco_neutrino2016_beamfilter_goodruns_v5 (describe, summary, files)	prod_reco2_bnb_v10_mcc8 (describe, summary, files)	prod_anatree_bnb_v10_mcc8 (describe, summary, files)	prod_dqmtree_bnb_v10_mcc8 (describe, summary, files)
prod_extbnb_reco_neutrino2016_goodruns_v5 (describe, summary, files)	prod_reco2_extbnb_v10_mcc8 (describe, summary, files)	prod_anatree_extbnb_v10_mcc8 (describe, summary, files)	prod_dqmtree_extbnb_v10_mcc8 (describe, summary, files)
prod_bnbunbiased_reco_neutrino2016_goodruns_v5 (describe, summary, files)	prod_reco2_bnbunbiased_v10_mcc8 (describe, summary, files)	prod_anatree_bnbunbiased_v10_mcc8 (describe, summary, files)	prod_dqmtree_bnbunbiased_v10_mcc8 (describe, summary, files)
prod_extunbiased_reco_neutrino2016_goodruns_v5 (describe, summary, files)	prod_reco2_extunbiased_v10_mcc8 (describe, summary, files)	prod_anatree_extunbiased_v10_mcc8 (describe, summary, files)	prod_dqmtree_extunbiased_v10_mcc8 (describe, summary, files)

Monte Carlo

Name	Priority	Detsim SAM	Detsim Events	Reco2 SAM	Reco2 Events	MergeAna SAM	MergeAna Events
Single Particles – Isotropic							
prod_eminus_0-1GeV_isotropic_uboone	5	Describe	140900	Describe	0	Describe	0
prod_gamma_0.1-2.0GeV_isotropic_uboone	5	Describe	25500	Describe	0	Describe	0
prod_muminus_0-2.0GeV_isotropic_uboone	5	Describe	149000	Describe	0	Describe	0
prod_muplus_0-2.0GeV_isotropic_uboone	5	Describe	10000	Describe	0	Describe	0
prod_p_0.1-2.0GeV_isotropic_uboone	5	Describe	142250	Describe	0	Describe	0
prod_pi0_0-1.0GeV_isotropic_uboone	5	Describe	11400	Describe	0	Describe	0
prod_piminus_0-2.0GeV_isotropic_uboone	5	Describe	99400	Describe	0	Describe	0
prod_piplus_0-2.0GeV_isotropic_uboone	5	Describe	11550	Describe	0	Describe	0
Genie							
prodgenie_bnb_nu_uboone	1	Describe	2458300	Describe	0	Describe	0
prodgenie_bnb_nu_cosmic_uboone	1	Describe	2412300	Describe	35150	Describe	5650
prodgenie_bnb_intrinsic_nue_cosmic_uboone	1	Describe	620900	Describe	26150	Describe	5550
prodgenie_bnb_intrinsic_nue_uboone	1	Describe	39150	Describe	0	Describe	0
prodgenie_bnb_intrinsic_nue_cosmic_uboone_nieves	1	Describe	124150	Describe	0	Describe	0
prodgenie_bnb_nu_cosmic_uboone_nieves	1	Describe	1115850	Describe	0	Describe	0
Other							
prodcosmics_corsika_cmc_uboone	2	Describe	1003900	Describe	0	Describe	0
prodcosmics_corsika_cmc_uboone_intime	2	Describe	655234	Describe	0	Describe	0

Summary

- **MicroBooNE is collecting beam data!**

- Problems with router in LArTF reported last week: standby router installed to reduce downtime if problems recur

- **Beam returned on Friday evening; stable running with >98% DAQ uptime since then**