



MINOS+ Status Report



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All Experimenters' Meetings
September 8 , 2014



Near Detector



Excellent running for the past two weeks



- Swapped four Minders on 09/02 during beam downtime
 - One had CAPID errors
 - Three had one hot channel each
 - Problems were fixed
- A few high pedestals RMSs developed in Master 7-9
 - We'll take care of this during the shutdown



Far Detector



Excellent running for the past two weeks

- 2 flat CI channels:
 - One is a ‘feature’
 - The other will be investigated during the shutdown
- NO other hardware or DAQ issues



ND/FD Shutdown Plan



- Replace old Timing PCs (at both ND and FD) with new modern servers :
 - Tested serial ports in servers (1 for ND PC, 3 for FD PC) : PCI cards don't work
 - Recompiled & tested all timing processes
 - Bill Badgett will commission the new system at ND first, then Soudan (week of September 21)
 - NB: ** NO Timing Electronics changes will be made **

In progress:

 - Made room in the ND Timing Rack for the new server, removing the old UPS and battery units
 - Installing new servers today (one production, one hot spare)
- Move the current ND DAQ production servers into new closed DAQ rack with dedicated AC unit:
 - to keep the dust out
 - 3 newer DAQ servers (+ 5 current production spares) & 2 DCS servers
 - We'll request ORC review when equipment is installed

In progress:

 - Moving servers to new rack this week
- Install new CAMAC crate for VME crate reset inside old- DAQ rack
 - probably this week as well



ND/FD Shutdown plans



- Replace ND Electronics racks' filthy air filters with clean ones
 - Ordering filters this week
- Clean Minders boards in two crates (work still under discussion):
 - One with compressed air
 - One with alcohol based cleaner
 - See we don't cause any harm. Then clean some more.
- Repeat Network Isolation tests for MINERvA investigations



MINOS+ Status



Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
6/23/14 00:00:00	6/30/14 00:00:00	97%	96%	99.9%	99.9%
6/30/14 00:00:00	7/07/14 00:00:00	96%	97%	98.8%	98.9%
7/07/14 00:00:00	7/14/14 00:00:00	99.7%	99.3%	99.5%	99.3%
7/14/14 00:00:00	7/21/14 00:00:00	99.7%	99.7%	99.8%	99.5%
7/21/14 00:00:00	7/28/14 00:00:00	99.5%	94%(*)	99.9%	99.6%
7/28/14 00:00:00	8/04/14 00:00:00	99.5%	97.7%	99.8%	97.4%
8/04/14 00:00:00	8/11/14 00:00:00	99.8%	99.7%	99.8%	99.9%
8/11/14 00:00:00	8/18/14 00:00:00	99.6%	99.6%	99.6%	99.9%
(¥)8/18/14 00:00:00	8/25/14 00:00:00	98.8%	98.7%	98.7%	97.3%
8/25/14 00:00:00	9/01/14 00:00:00	99.5%	98.6%	99.4%	99.4%
9/01/14 00:00:00	9/05/14 00:00:00	99.7%	65%(^)	98.9%	98.2%

(*) A few hours of BField were missing in our DB due to some issues connecting to ACNET. Experts recovered the data and filled the gaps in the affected DB table.

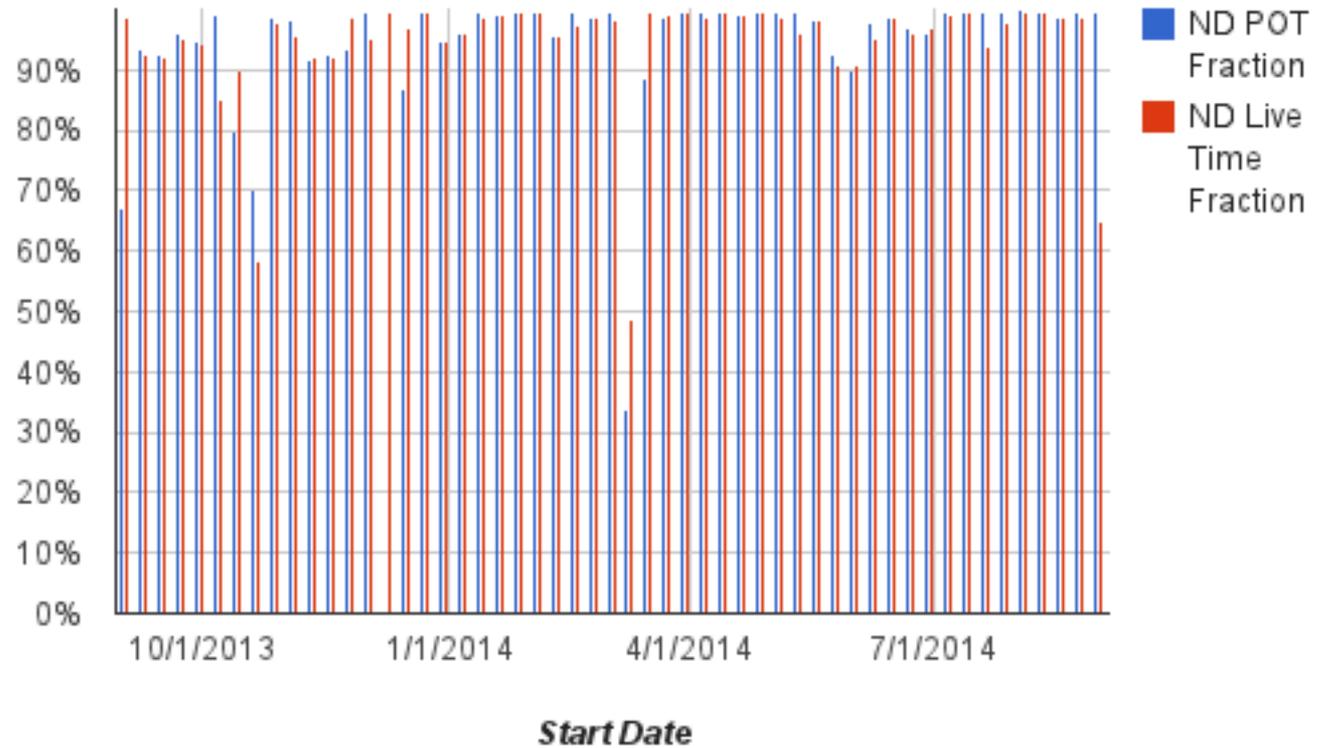
(¥) Beam/DB issues; fixed.

(^) Some Beam Spill Data missing in DB; working on fixing it.

We'll rerun DQ on all periods to get final numbers.



ND POT fraction and Live Time Fraction





FD POT Fraction and Live Time Fraction

