



MINOS+ Status Report



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All Experimenters' Meetings

February 10, 2014



Near Detector



- MINOS+ ND DAQ is running very well.
- ND DAQ Two glitches
 - Feb. 4, Tuesday afternoon; Feb. 9, Sunday noon
 - Simple Reset didn't help in both cases.
 - Reset branch brought it back up
- Run Sequence did not stop properly
 - ND run sequence again did not stop after progressing beyond SubRun #23 on Wednesday afternoon
 - Had to be manually stopped/restarted
 - Second occurrence during the last two weeks
 - Investigations underway
- DCS Environmental Status not updating
 - Tuesday afternoon
 - The MINOS DCS windows machine underground showed some errors
 - Rebooted the computer
 - Everything in the program was then green, so is the DCS
- Minders change
 - CAPID/ Parity /Wrong Datatype errors on 4-13-5, 5-9-3, 3-12-5
 - Need to change minder boards at the next beam downtime



Far Detector



- FD DAQ also had a glitch
 - Crashed on Friday Feb 7
 - Similar problem as the crash a week ago on Friday Jan 31
 - After a few attempts to reboot, brought the DAQ back, but was not stable, crashed another few times again
 - Timing errors between crate06 and all other crates suggested the cause might be ROP06
 - ROP06 was swapped out Saturday morning by the Soudan mine crew, we have seen no errors since
- UPS's Rebuilt and Replacement
 - We are replacing UPS because of a known design flaw in Powerware 9120 UPS's.
 - UPS on rack 4 was replaced last Wednesday
 - Two crates have already been fixed
- Network Outage
 - Two brief (a few minutes) network outage between Soudan and Fermilab on Feb. 6, Thursday, and this morning
 - Network problem was due to a state owned switch
 - A new switch was shipped and is ready for installation in the next couple days



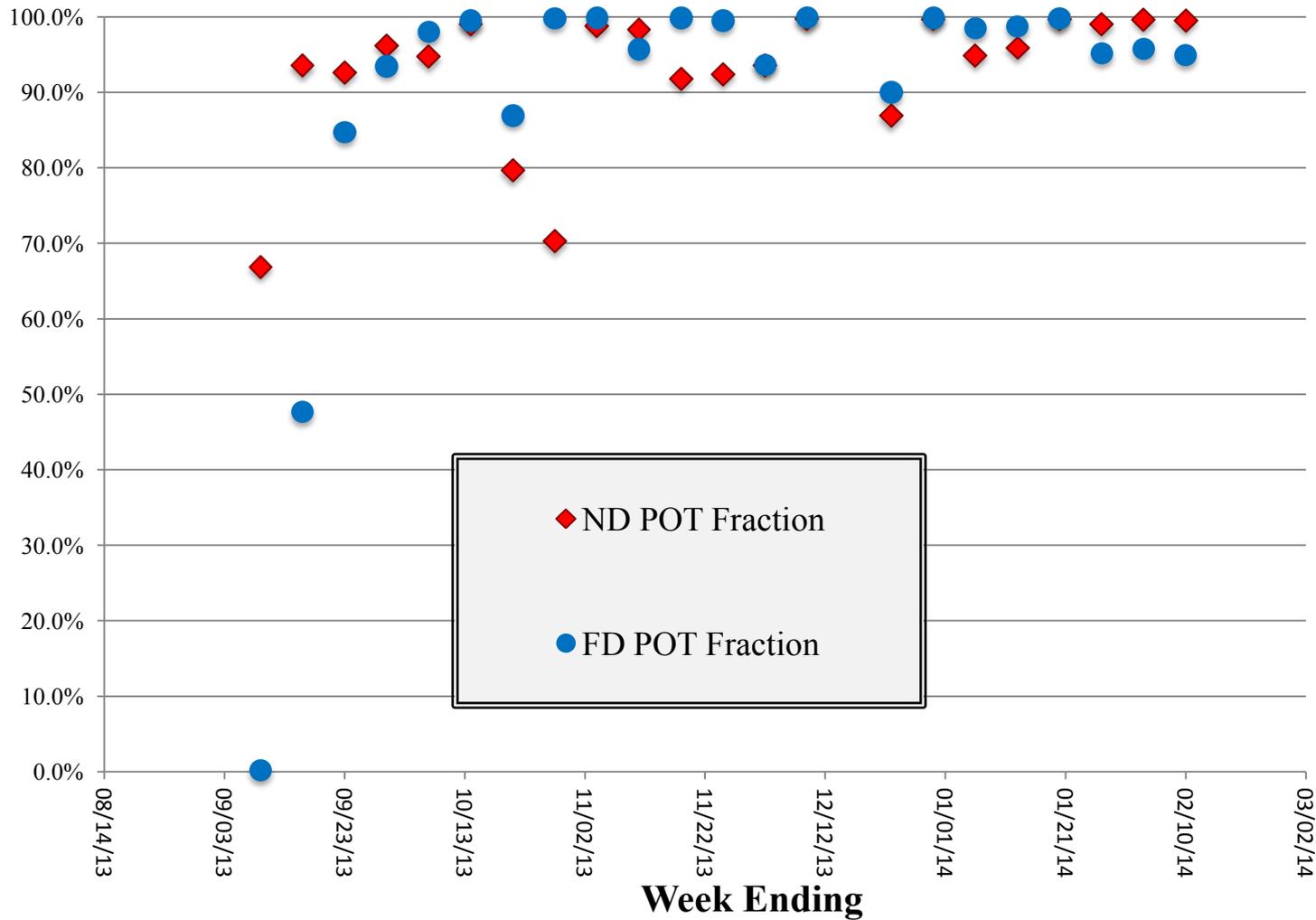
MINOS+ Status



Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
12/30/13 00:00:00	01/06/14 00:00:00	94.9%	94.9%	98.5%	98.5%
01/06/14 00:00:00	01/13/14 00:00:00	95.9%	95.9%	98.7%	98.8%
01/13/14 00:00:00	01/20/14 00:00:00	99.7%	98.8%	99.8%	99.3%
01/20/14 00:00:00	01/27/14 00:00:00	99.0%	99.1%	95.2%	94.8%
1/27/14 12:00 AM	2/3/14 12:00 AM	99.65%	99.70%	95.78%	96.61%
2/3/14 12:00 AM	2/10/14 12:00 AM	99.54%	99.55%	94.91%	95.17%



MINOS+ POT Fractions





MINOS+ Live Time Fractions

