



MINOS+ Status Report



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All Experimenters' Meetings

October 7, 2013



Status Last Week



- In general running smoothly
- ND DAQ
 - A few more incidences that DAQ crashed during the FiberNoiseSpecial run at the beginning of a new RS24Hour sequence.
 - Shifters were asked to restart a new run during day shift time to avoid lost of good beam data.
 - As a temporary solution, we also plan to bypass this special run once we get confirmation from calibration/reconstruction group.
- FD DAQ
 - ROP06 was un-reachable last Saturday.
 - Had to reset remotely and to re-initialize Branch 2 to restart the run.
 - The lithium battery was changed last Tuesday in the attempt to prevent the crashes
 - Might have to swap in a spare if not stable
- Network
 - Updated MINOS+ Security Plan document
 - CSBoard approved MINOS daqdep-nd security exemption extension for another year
 - Two more related tickets submitted
 - Security exemption extension on SLF4 computers in the MINOS FNAL and Soudan LAN.
 - Suspension of automatic kernel and system software and library updates



Maintenance Plan During Beam Downtime this week



- The Plan for the Shutdown
 - Get hardware repaired
 - Get new people trained
- ND switch software upgrade
 - Maintained by network service group
 - r-minus-nd-1 switch lost management access, unable to recover by network experts
 - All its connections are OK, continues to forward and route packets
 - Network disruptive software upgrade scheduled for tomorrow morning
- RPS warning
 - Two Racks (U8, V11) have fan pack problem
 - Need at least 1 hour to replace them



Maintenance Plan During Beam Downtime this week



- Low rate minders (0-18-6, 0-20-1)
 - Only a small fraction of data is affected
 - Replace one or both of Alner box/PMT tomorrow
- Remove old DAQ hardware
 - Bean data DAQ verification is done
 - Remove both ROPs and computers once get final approval,
 - Send them to Soudan as spares
- Implement DAQ auto reset feature
 - Reduce human intervention to resume the run
 - Reduce DAQ down time