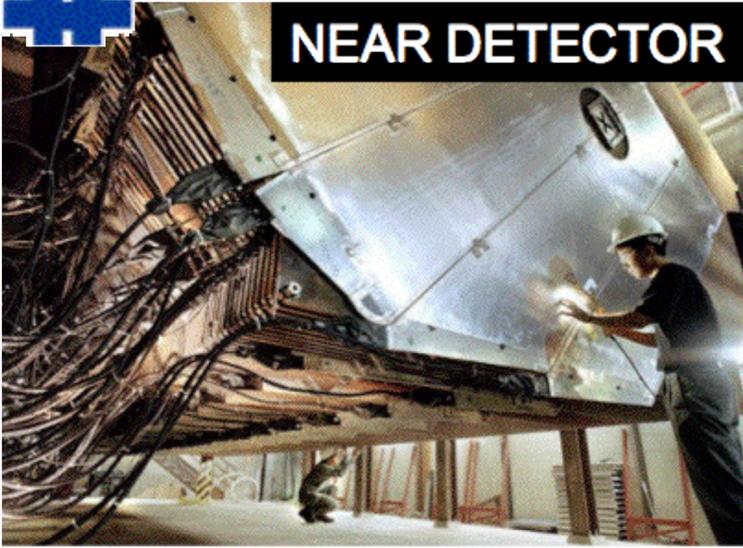




MINOS Status Report



NEAR DETECTOR



FAR DETECTOR



- Power to ND magnet off since week of shutdown
 - Initial checkout by Walt Jaskierny; more thorough checkout in coming months
 - New air handling system handled reduced heat load flawlessly
- Have run ND DAQ continuously; runs with fewer problems w/o beam
- No regular shifts but have fixed problems as they occur: so far two Minders boards (new one to be replaced)

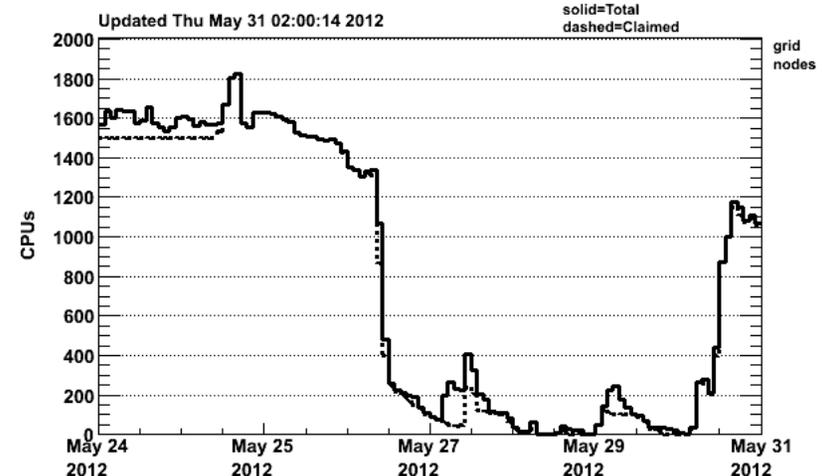
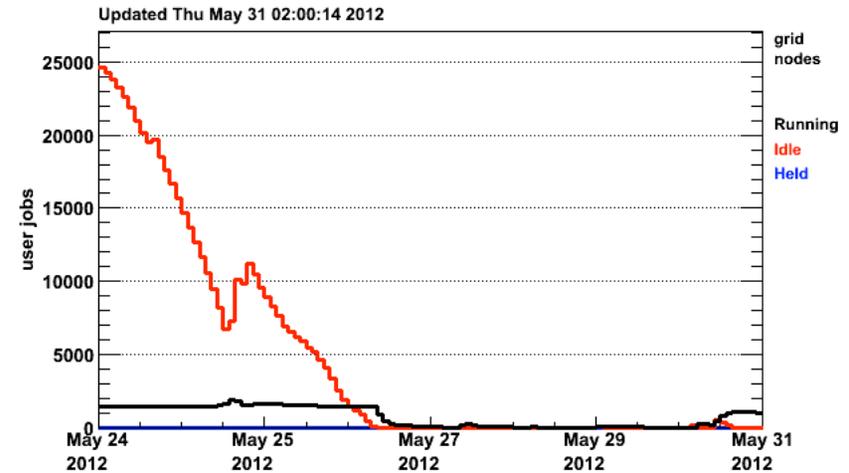
- Power to FD magnet briefly reversed and returned to forward direction to cancel errors for MINOS UP (universal physics = atmospheric neutrinos) group
- FD DAQ also running continuously; FD day shifts still running



MINOS Status Report



- Thanks to CD for supplying resources to finish production of full data set before Neutrino 2012!





MINOS Status Report



- Items done recently or coming soon:
 - Continued cleanup of MINOS surface building in preparation for sealing of main room for NOvA wall construction (to block dust into MINOS/Minerva) and NOvA off-axis hall construction
 - Continued investigation of sources of error for MINOS TOF studies
 - June 15/site-wide power outage:
 - Will shut down MINOS June 14
 - Will leave MINOS off until surface building electrical work for upstairs TOF & AD racks is done; in addition, will leave off until current DAQ computers have all been upgraded to larger, more reliable power supplies
- Continuing effort:
 - Ensuring sufficient spares for MINOS+ era
 - Cleanup of DAQ and front-end racks including filter replacement
 - Replacing old test equipment/programs to work with current software/computers



MINOS Status Report



- DAQ Refurbishment for ND:
 - Replace old expensive RIO3 readout processors (ROPs) with MVME 5500s
 - Replace old obsolete PVIC fiber/copper communications between ROPS and DAQ computers with gigabit Ethernet
 - Replace old (circa 2000) DAQ servers in 3 racks with newer (2009?) servers in 1 (ok, really 1/2) rack
 - Intention is to be able to run new and old DAQ in parallel (though not simultaneously) for comparison
 - This frees up extra spares for FD; if successful, consider doing same to FD
- Recent progress:
 - DAQ rebuilt and working on new servers with new packages on SL6 (instead of SL4); only ROOT is problem since low-level drawing routines have changed functionality—still working on this but not critical
 - Have established communications between MVME ROP and branch processor (DAQ server), next in chain is trigger processor (another DAQ server)
 - Thanks to Bill Badgett, Geoff Savage, and Donatella Torretta of the PPD/EED/Online Support Group
 - Also, new rack with servers contributed from CDF in place; final configuration being worked on