MINOS Status Report

Benton Pahlka

Good Physics Data for Week Beginning:

- December 19
  - Live Time: 85.1%
  - POT Fraction: 84.4%
- December 26
  - Live Time: 99.7%
  - POT Fraction: 99.6%
- January 2
  - Live Time: 91.9%
  - POT Fraction: 94.1%

DAQ problems

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Power Supply Readouts:

- Ability to read power supply status remotely (in principle)
- Some power supplies historically don't read back (or read back with stale data)
- Dave Huffman discovered problems with poorly seated power supplies
- All supplies are now OK:
  - Full status is now available remotely
  - Can now power cycle these crates remotely

Thanks to Dave Huffman!

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Cooling Water Chiller Status:

- Water chiller is fully operational!
- Temperatures lower for all detector components and environment
- Data rate decreased by ~10% (33 kHz to 28 kHz)
- Lowered thresholds for warnings and software trips
- Plans for resurrecting air cooling unit

	Temperature (F)	
	November 2011	January 2012 (today)
LCW	77	69
Max Master Board	93	90
Max Minder Board	90	83
Magnet Coil	88	78
Environment	80	76

Expect even lower temperatures in the future!

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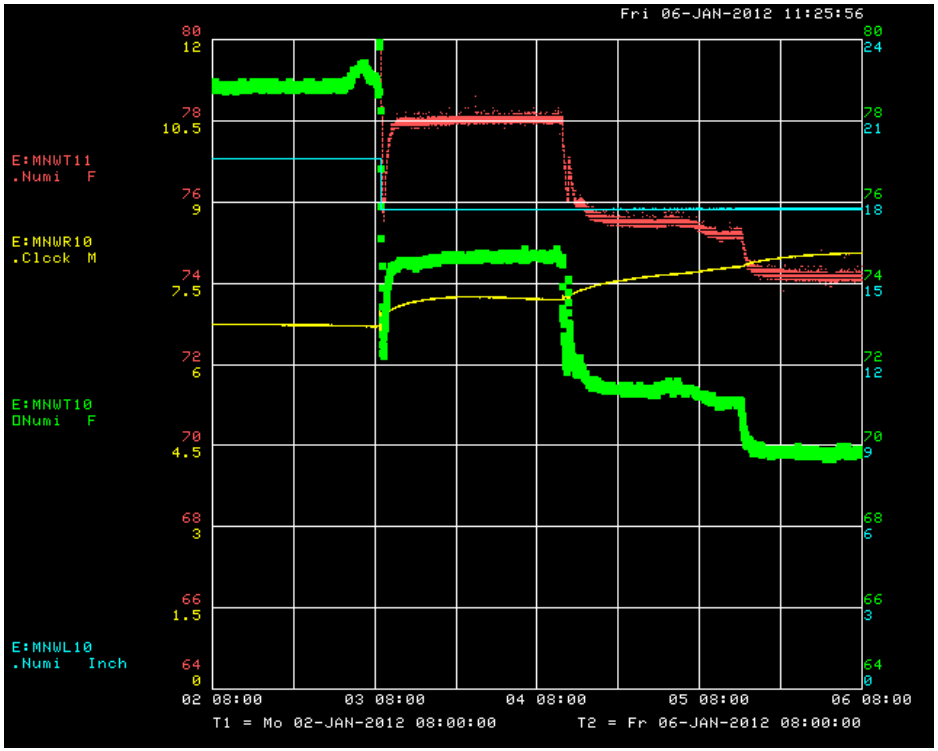
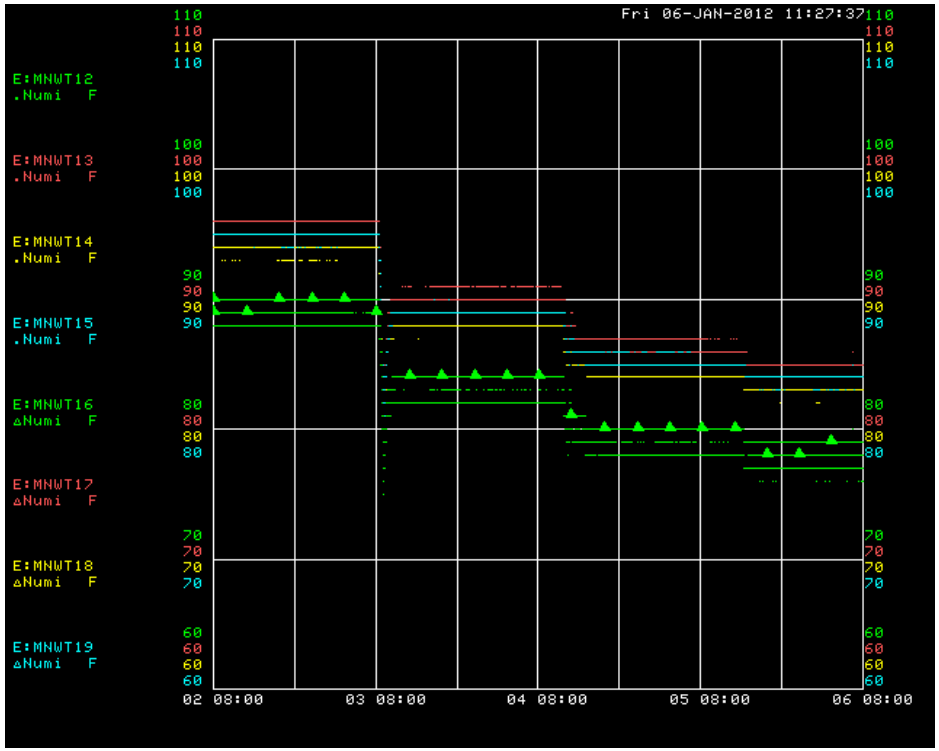
LCW Temp (supply/return)



Magnet Coil Temp



magnet powercycle and backflush

Chiller ON

Thanks to Aria and the underground crew!

MINOS Status Report

Good Physics Data for Week Beginning:

- December 19
  - Live Time: 73.4%
  - POT Fraction: 70.2%

  hardware problems
- December 26
  - Live Time: 63.0%
  - POT Fraction: 63.0%

  hardware problems
- January 2
  - Live Time: 90.0%
  - POT Fraction: 90.0%

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Other Issues:

- Compiling spare parts list
- Compiling list of action items for NOvA shutdown
- Lots of maintenance on DAQ for both ND and FD (thanks to Donnatella)
- Plans in place to get machines from SLF4 to SLF5 (thanks to Art Kreymer)
- Regular maintenance for RF booster shutdown next week
- Beginning plans for adding in TOF hardware