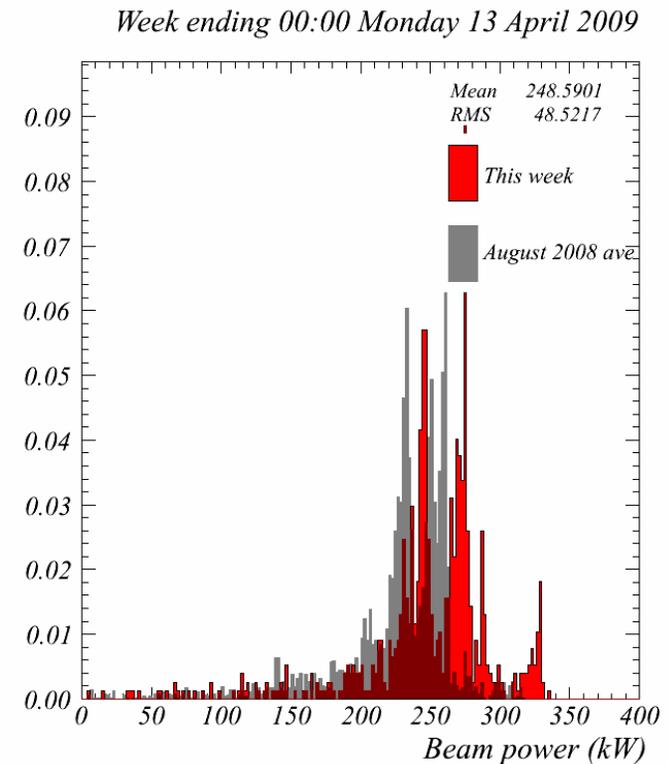
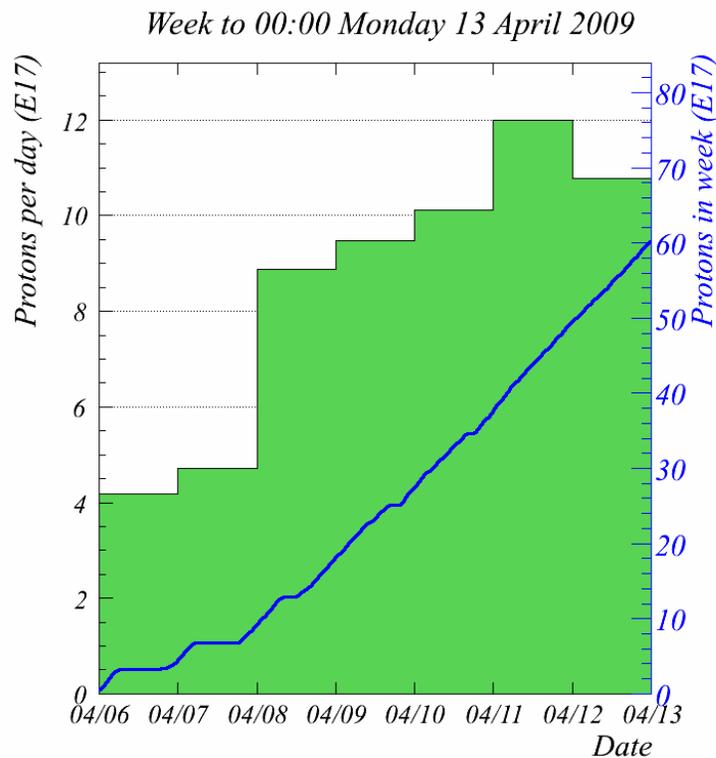




# NuMI-MINOS Status Report – Bob Zwaska

- 60e17 protons for the week
  - 2<sup>nd</sup> best day on Saturday – 12e17
- Decent beam powers
  - Significant downtime for TeV work





# NuMI-MINOS Status Report – Bob Zwaska

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All Exp Mtg  
April 13. 2009

## NEAR DETECTOR:

- Cooling water troubles
  - Cooling water is stable, but at elevated level (73 F)
  - Preparing to replace flow-control valve in the near future
    - Plan for new cooling system in long-term
- DAQ crash on Friday when restarting run
  - Eventually reset without hardware replacement – about 1 hour down
- Magnetic field is FORWARD
- Proton-weighted Live time: 98.37%

## Horn-off Running:

- A small amount of *Near Detector* data taken with the horns off is a high priority before the shutdown
  - Need 6-7e18 of horn-off data
    - Already had ~ 2e18
    - Collected ~ 3e18 April 3-5
    - Collected ~ 0.5e18 this morning
    - Plan to collect the balance this coming weekend



# NuMI-MINOS Status Report – Bob Zwaska

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All Exp Mtg  
April 13. 2009

## FAR DETECTOR:

- Enstore/DCache issues
  - Problems archiving data to Fermilab tapes
    - Persisted over most of the weekend
    - Dataflow was restored today and we are almost caught up
- Soudan fire-alarm this (Monday) morning at 1am
  - Caused by a faulty flow detector in the water sprinkler lines
    - There was no fire, and no flow of water
  - Alarm cut power to the mine – disabling the detector
    - We switched to Horn-Off mode – using the Near Detector
  - Connectivity at Soudan re-established at 9am
  - Detector was up and operating by noon
    - Horns were then turned back on
  - One low-voltage VFB card was replaced – already had been flakey
    - No other hardware problems from the hard crash and restart

Proton-weighted Live time: 99.84 %

Wall-clock Live time: 99.52 %

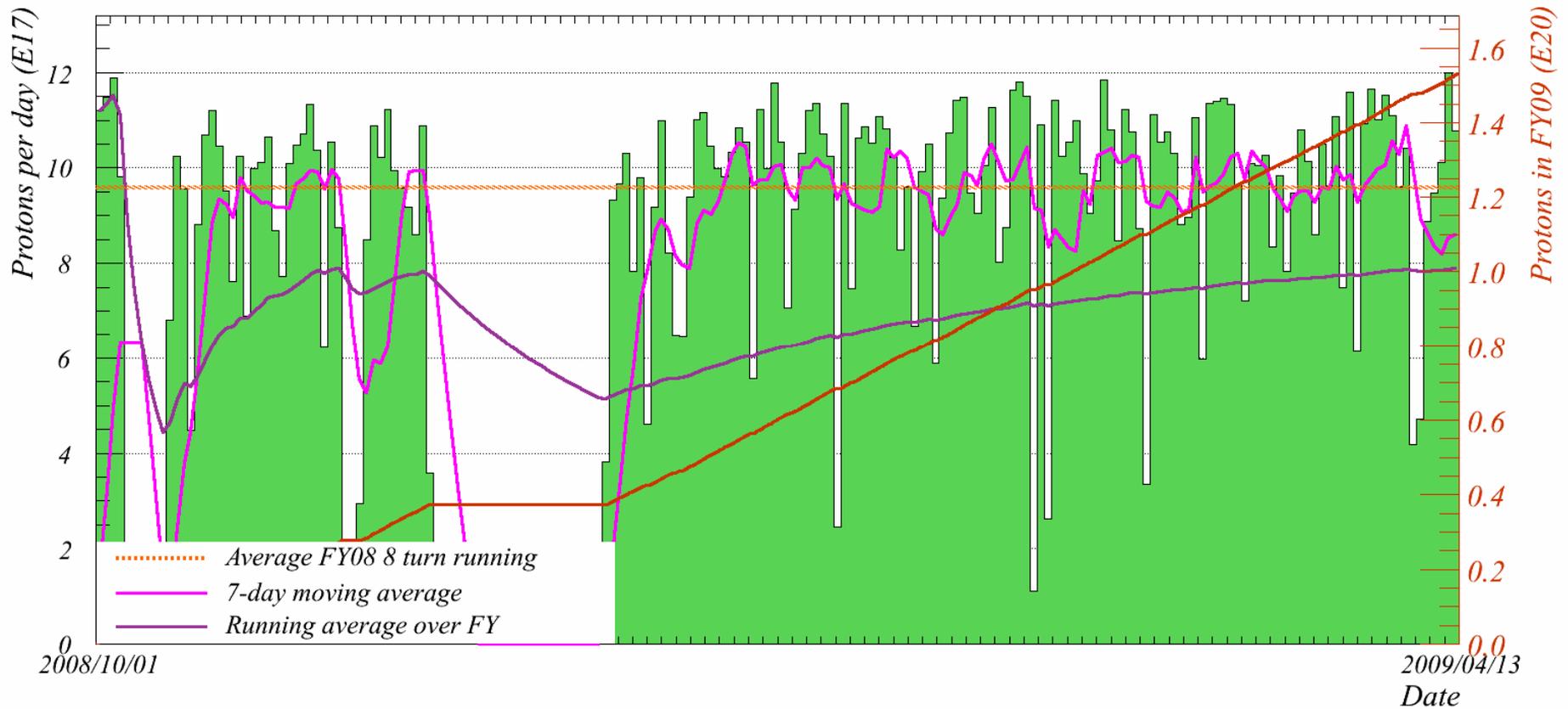


# NuMI-MINOS Status Report – Bob Zwaska

All Exp Mtg  
April 13, 2009

- Fiscal year 2009 -  $1.53e20$

*FY09 NuMI protons to 00:00 Monday 13 April 2009*





# NuMI-MINOS Status Report – Bob Zwaska

All Exp Mtg  
April 13, 2009

- Entire Run -  $7.1e20$ 
  - In appreciation to the Accelerator Division and everyone else involved, please join us at the User's Center Wednesday at 4:30 for a  $7e20$  "beer" celebration

Total NuMI protons to 00:00 Monday 13 April 2009

