



MINOS Status Report

C James
All Exp Mtg
Feb 13, 2006

Reminder from previous week - -

We were doing reduced intensity special runs

Tried to return to normal intensity weekend of Feb 4-5

Experienced radiation trips - due to activated air - from a monitor in the Target Hall PS room

As of last Monday, the source of the trips was being investigated



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There were two issues being pursued last week - -

Source of air activation

Horn-2 water cooling system pumps developed an inefficiency

As it happened, these two issues were the same issue

As a pump in the cooling system lost efficiency, air entered the Horn-2 RAW system. This activated air ended up in an expansion tank, located in the Mechanical room adjacent to the PS room. As air built up, a relief valve let it out - and then this air moved into the PS room and triggered the radiation trips.

There were additional air leaks found and fixed during the hunt for the source, but the main problem was the water system



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Result was much of last week spent running at reduced intensity.

Not a problem - we had a run plan which included data taken at reduced intensity

Returned to normal intensity over the weekend, but with both horns turned off, as part of special runs for studying beam production

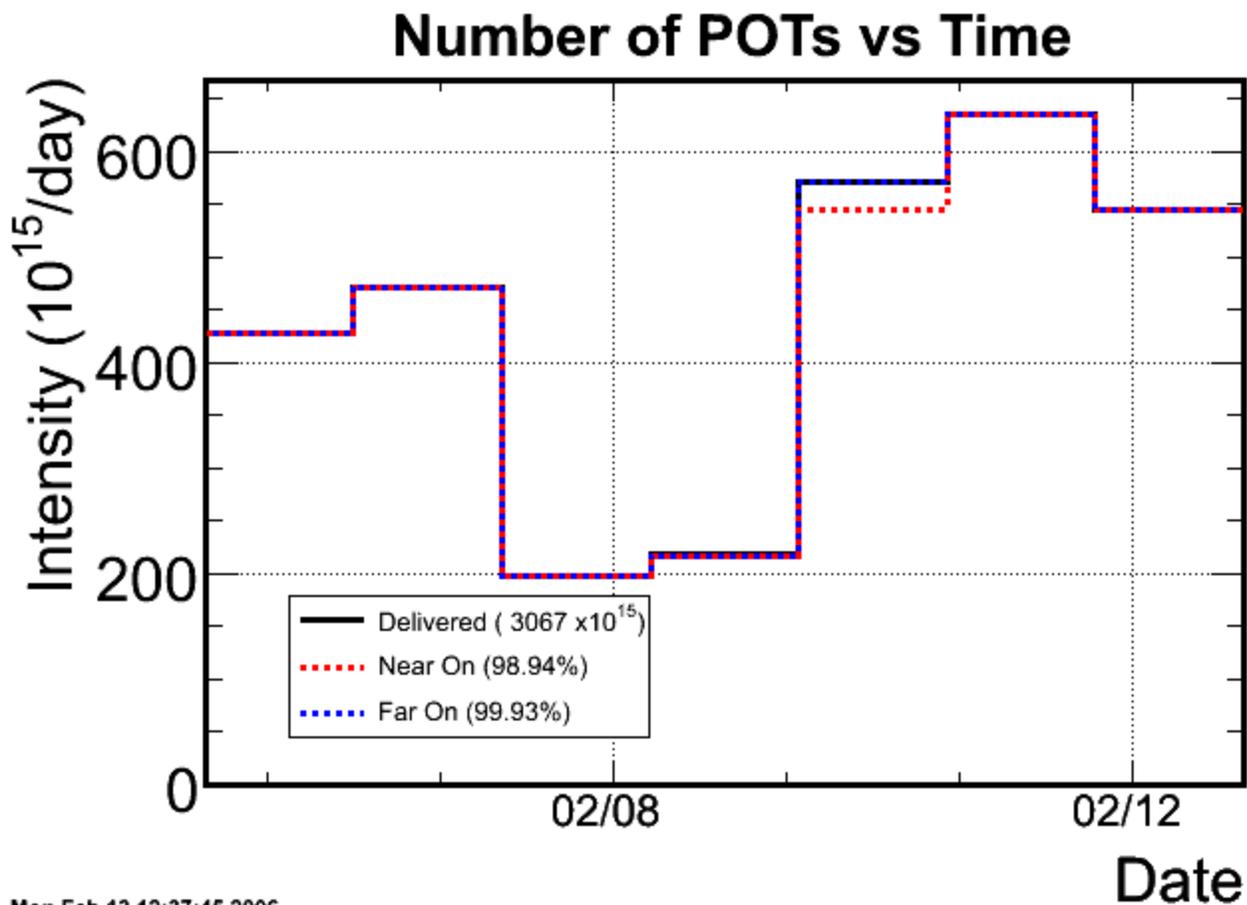
Continuing with horn-off running through Wed AM
Then back to lower intensity running.

Horn-2 water system pumping efficiency is an issue which will be investigated during the Shutdown - - it appears we can keep it operating until then



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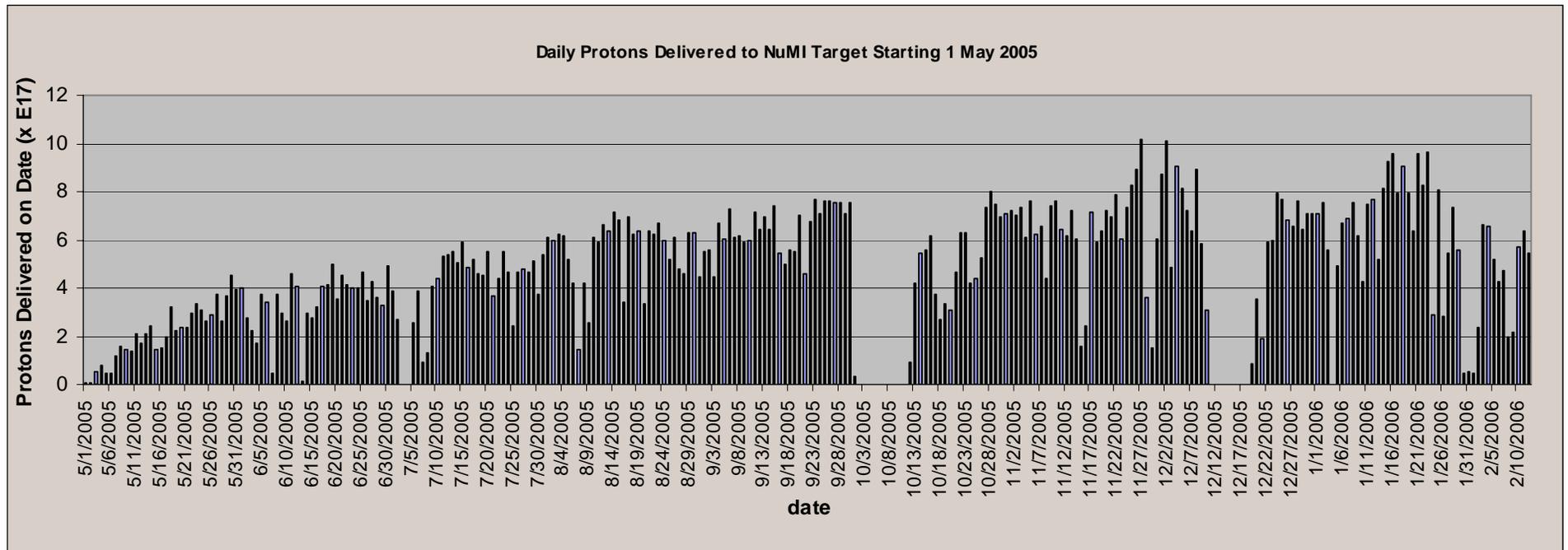
Mon Feb 13 12:37:45 2006





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Protons delivered per week