



# NuMI-MINOS Status Report

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All Exp Mtg  
14-Aug-06

Pretty good week of running. Some changes to our Run Plan.

**High Energy running** - completed, with 15.97 xE18 POT accumulated  
request was for 15 - 20 xE18

**Medium Energy running** - **canceled**, because the target mover would not move.  
Corrosion takes it's toll.

**Next step** - return to Low Energy target position, **and stay there**. For this move, the target is inserted into Horn-1. We always planned to open shielding and visually check the target motion. We do not trust the target mover without the visual confirmation even before it decided to stop moving under remote command last week.

- Move it "by hand" (hammer assisted?)
- Being done today and tomorrow.

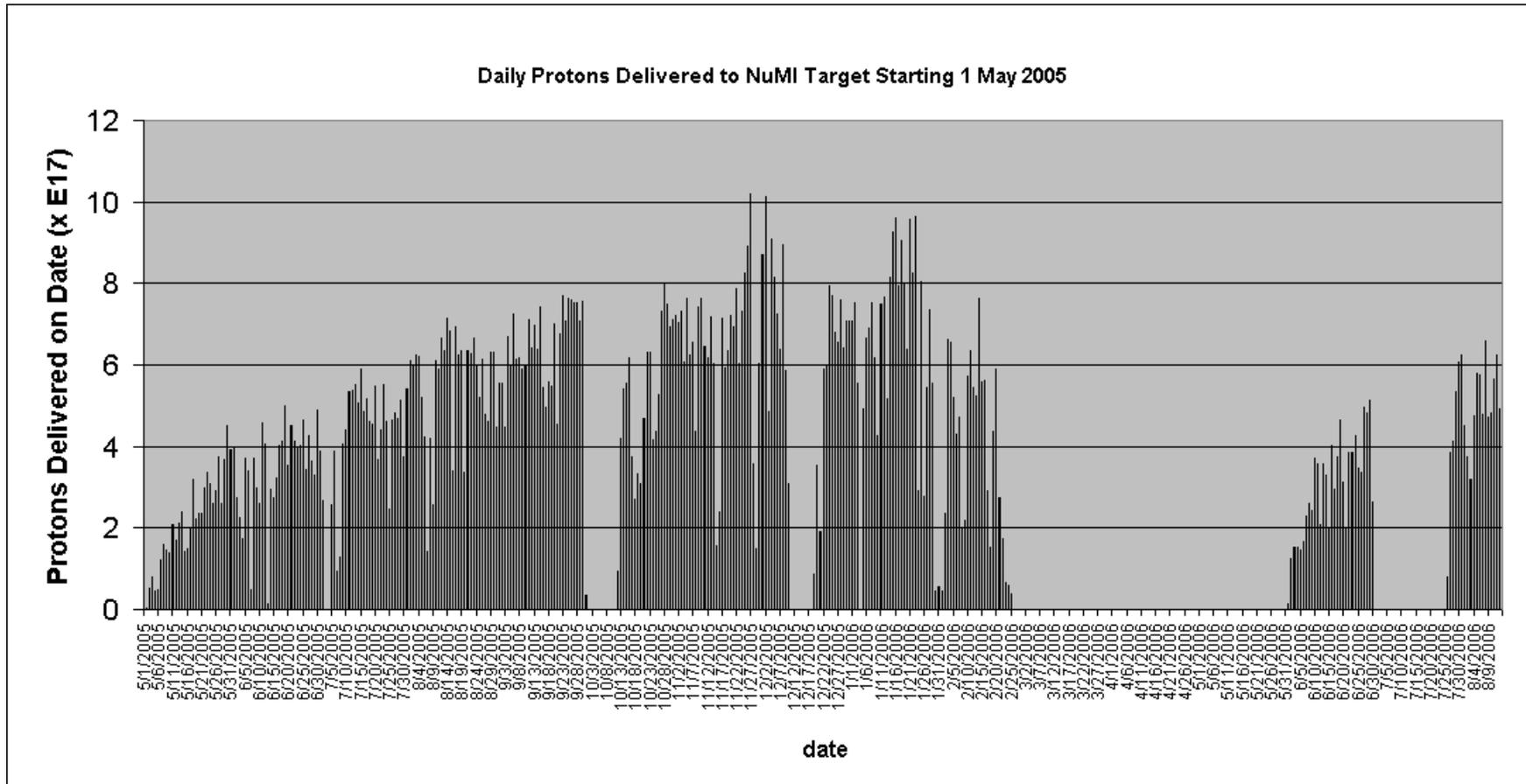
**In the meantime** - There is a water leak in the Horn-1 plumbing - the leaked water is being captured by the condenser unit in the Target Hall. We have to find and fix the leak before getting more protons - being done now.

- Horn-1 has had about 8 million pulses, and has seen a lot of beam
- nearing it's expected lifetime
- Spare is about 4-6 weeks from completion



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Protons delivered per day

Total since May/05 1.57 E20 pot  
(1.39 E20 delivered before June 2006)

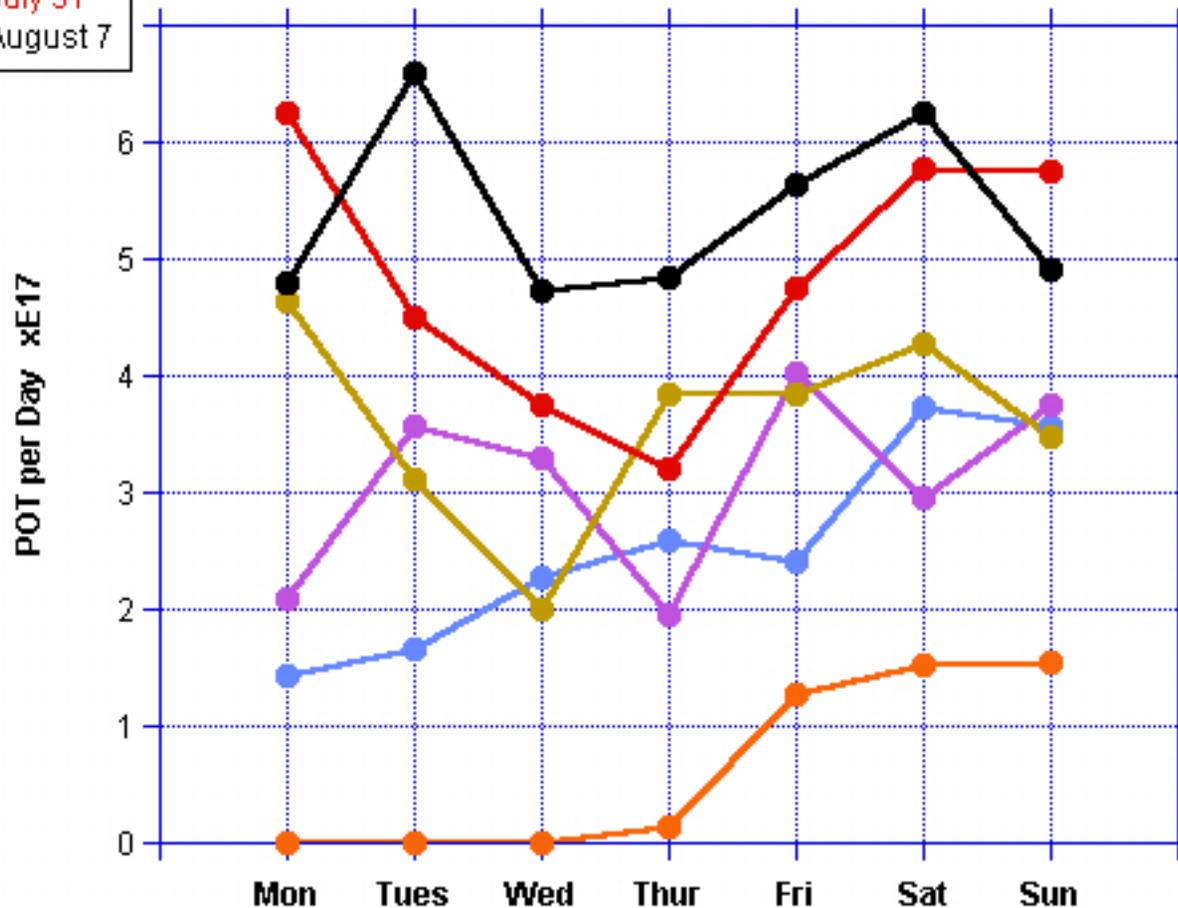


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POT per Day During One Week



3.78 E18  
integrated  
protons on  
target  
for this week

Both  
detectors  
up 99% of the  
time beam was  
being  
delivered

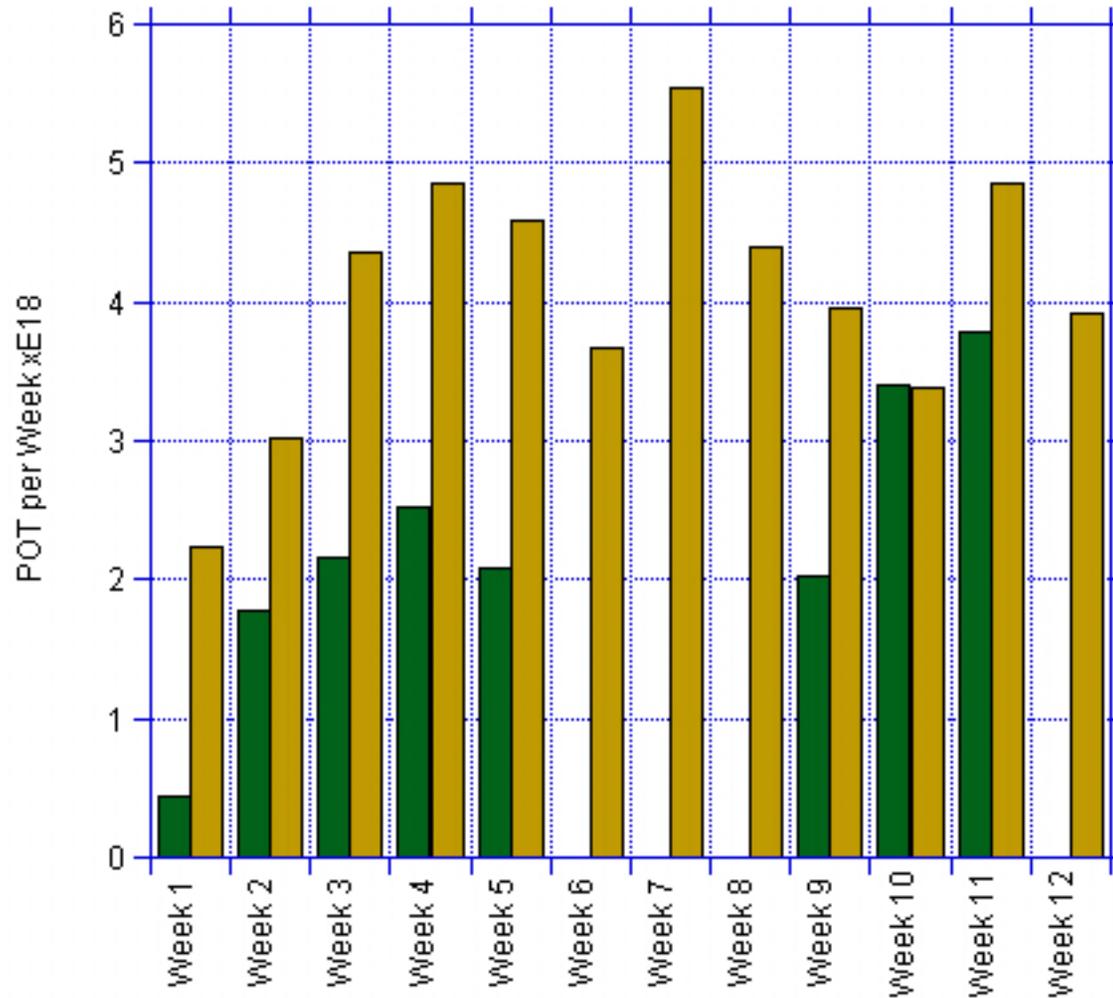


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POT per Week During a Quarter



Compare **this quarter** to the last quarter of calendar 2005.

Approaching the level of protons we would like to get back to.