

Fermilab accelerator operations summary for FY15 – Q4

7/7/2015 – 1/3/2016

Executive Summary:

During the reporting period beam was delivered to the NuMI target for NOvA, MINOS+ and MINERvA data taking. Beam was also delivered to Switchyard 120 for SeaQuest data taking and to support a program of test beam experiments at the Fermilab Test Beam Facility (FTBF), and to the BNB target for MicroBooNE data taking.

During the month there were periods of scheduled and unscheduled downtime. During the full reporting period, 3.58×10^{19} protons were delivered on target for NuMI and 5.48×10^{19} protons were delivered on the BNB target.

More detailed information is available in presentations at the weekly All Experimenters' Meetings. See reports on the web at

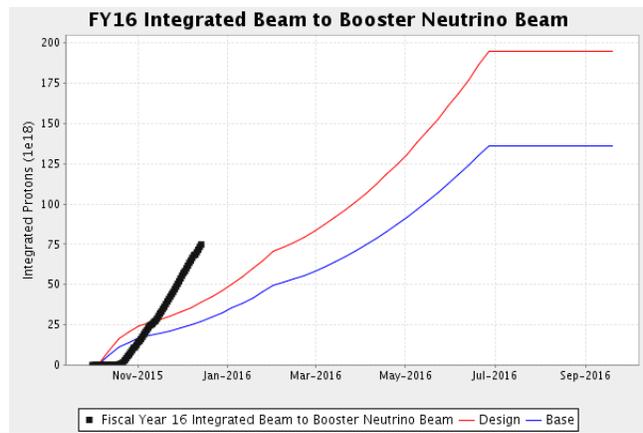
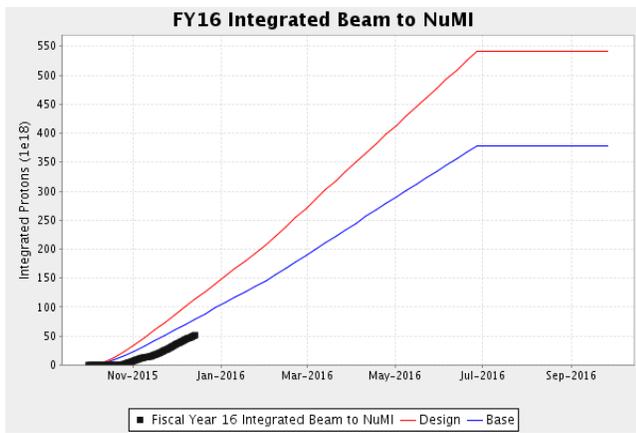
http://www.fnal.gov/directorate/program_planning/all_experimenters_meetings/index.html

Status and Plans:

A couple of sentences summarizing why achieved performances are different from expectations, and the plan to meet the annual goals for NuMI & BNB.

Performance

	Metric	Achieved
Average protons on NuMI target per week	-	9.76x10 ¹⁸
Integrated POT for NuMI for period	1.15x10 ²⁰	1.27x10 ²⁰
FY16 integrated POT for NuMI to date	1.15x10²⁰	3.01x10²⁰
FY16 actual NuMI uptime to date (hours)	-	4865.1
Percent Uptime (Recorded/Scheduled FY16)	-	85.0%
Average protons on BNB target per week	-	1.11x10 ¹⁸
Integrated POT for BNB for period	3.79x10 ¹⁹	1.45x10 ¹⁹
FY16 integrated POT for BNB to date	3.79x10¹⁹	1.45x10¹⁹
FY16 actual BNB uptime to date (hours)	-	264.28
Percent Uptime (Recorded/Scheduled FY16)	-	82.0%



Notes

- 1) "Metric" corresponds to the projected expected Protons-on-Target. The "Design" and "Base" profiles are respectively 125% and 87.5% of the "Metric" profile. The numbers quoted correspond to the proposed FY16 metric.
- 2) "Actual" corresponds to the performance during the reporting period. All weekly, monthly, and to-date numbers are for periods within a week ending at 24:00 Sunday night.
- 3) Percent uptime (actual/scheduled) since October 5th, 2015.