

NSTX Weekly Report (Sept. 19, 2008)

FY 2008 NSTX plasma operations

Planned: 15 run weeks

Completed: 16.62 run weeks, 2571 plasmas (run completed on July 14, 2008)

Michael Bell visited the National Institute of Fusion Science, Toki-city, Gifu, Japan on Tuesday September 16 under the US-Japan exchange agreement. There he presented a seminar on "An Overview of Recent Results from NSTX" and held discussions with researchers about the possibilities for collaborative research on NSTX. (M. Bell)

There will be an NSTX Physics Meeting on Monday, 9/22 at 1:30 PM in LSB318. **Jong-Kyu Park will present an outline for his APS Invited talk (on plasma response to perturbed magnetic equilibria).** The talks will be found in [http://nstx.pppl.gov/DragNDrop/NSTX Meetings/Monday Physics Meetings/2008/9-22-08/](http://nstx.pppl.gov/DragNDrop/NSTX%20Meetings/Monday%20Physics%20Meetings/2008/9-22-08/) (S. Kaye)

Engineering Operations (A. von Halle, C. Neumeyer)

The NSTX outage continued this week with the completion of the cleaning of all lower TF flag joint contact surfaces. In-vessel measurements and preparations for the new Beam Emission Spectroscopy (BES) diagnostic also continued, and a final design review of the BES diagnostic vacuum vessel interface and port boring requirements was held. Diagnostic vacuum windows and isolation valves are being cycled through the Vacuum Prep Lab for cleaning and maintenance.

The NSTX test cell will be in free (card reader) access this coming week.