

NSTX-U Weekly Report (Jan. 11, 2013)

NSTX-U is in the Upgrade Project outage in FY 2013

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

NSTX Upgrade construction activities continued this week with the completion of the in-vessel welding of the new vessel port for the 2nd neutral beam (NB2) at Bays J-K. The new vessel center-stack casing is now on site, and metrology is being performed to verify the manufacturer's inspection reports. The ion source platform has been installed on NB2, and the 90" flange and ion dump for that beam-line have successfully been hydrostatically tested. The 90" flange will be installed on NB2 next week.

Preparations of non-upgrade equipment for plasma operations in the NSTX-U configuration also continued with the ongoing fabrication of the new field coil power conversion system firing generators. Firing generator chassis are being assembled, and five should be ready to install on FCPC rectifiers by the end of February.

Access to the NSTX test cell will be available only through previous arrangement with the Upgrade Work Control Center.