

NSTX-U Weekly Report (May 11, 2012)

NSTX-U is in the Upgrade Project outage in FY 2012

J. Menard (PPPL) attended the MAST PAC meeting held May 9-10, 2012 in Culham, UK, and also had discussions the MAST/CCFE researchers regarding future collaboration on MAST and also ST-FNSF studies. (J. Menard)

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

NSTX Upgrade construction activities continued this week with the completion of the drilling and reinstallation of all in-vessel passive plates except in a few isolated areas where other work needs to occur. Re-installation of vessel tiles is in progress. Ex-vessel, sections of the machine platforms are being removed and scaffolding added as needed for the removal of three of the outer TF coils. The first of these coils is scheduled to be removed this coming week. The first of the inner TF coil conductors, complete with cooling tube, has been moved from the machine shop to the Coil Fabrication Facility for cleaning, a bake to outgas, priming, and an insulation wrap. The second inner TF conductor is in the machine shop being prepared for the soldering of the cooling tube. On the neutral beams, all three of the ion source isolation valves for the 2nd beam-line were successfully rebuilt and tested, and refurbishment of the calorimeter for that beam-line continued. Good progress continues on the fabrication and test cell installation of cryogenic lines for two beam operation.

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