

NSTX-U Weekly Report (January 6, 2017)

FY 2017 status: NSTX-U is in a maintenance and repair outage.

NSTX-U Research (J. Menard)

The NSTX-U Integrated Scenarios Science Group met to discuss revised proposals for FY2017 and FY2018 Research Milestones to take into account absent/reduced runtime in FY17/FY18. The NSTX-U Core Science Group also met to discuss FY17-18 Research Milestone proposals, and Core Science Group presentation materials are downloadable from [here](#). An NSTX-U Program Advisory Committee (PAC-38) videoconference was held on Friday, January 6. The videoconference provided the PAC with an informational update on the recent history, status, and plans for the NSTX-U program and facility. The PAC was also charged with providing feedback and ideas on how best to solicit and include input from US University PIs/leaders in the scientific goal and strategic planning of the research program for the next NSTX-U 5 year plan (FY2019-FY2023). PAC-38 presentation materials are downloadable from [here](#).

NSTX-U Recovery Project (R. Hawryluk)

Progress continues on the development of NSTX-U System Design Descriptions (SDD's), and drafts are being reviewed and updated. Design Validation and Verification Reviews (DVVR's) are being scheduled, and a DVVR on Instrumentation and Control Systems is now planned for Jan. 18th. Metrology of the OH/TF bundle was completed this week, and the removal of the PF1AL coil supports has started. Engineering plans are being developed for the removal of the PF1B coil and the lower ceramic break. Recommissioning of the coil winding facility continued with fit-ups of the PF1A mold and mandrel. The final clean-up machining of the PF1AL mandrel continues in the shop, and a PF1AU mandrel has been delivered to the lab. Work in the Neutral Beam clean room / decon facility continued on the disassembly of the spare ion source with an internal water leak, and on the decontamination and evaluation of an ion source last used on TFTR.