NSTX Operation FY'04

Week	Monday	Tuesday	Wednesday	Thursday	Friday
Feb 17, 03 – Jan 11, 04	Outage for TF Repair				
Jan 12 – 16	TF coil reassembled	Buswork reconnection and checkout			**ISTP-1** TF tested to 53kA
Jan 19 – 23	**ISTP-1** PF coil tests	**ISTP-1** Combined fields **First Plasma**	**MP-2** *9* Control system MPTS alignment	**MP-2** *4* Control system (MG breaker trip)	**Rayleigh scattering**
Jan 26 – 30	**MP-24** *27* rtEFIT develop't	**XP-416** *34* Edge rotation	**MP-24** *13* rtEFIT develop't (N_2 event)	**MP-24** *14* rtEFIT develop't **First NBI**	**MP-24** *16* rtEFIT develop't **Boronization 20**
Feb 2 – 6	**MP-24** *30* rtEFIT develop't	**XP-421** *8* High β (high κ) **Boronization 21**	**XP-421** *23* High β	**XP-421** *35* High β β_T = 37%	**XP-414** *22* High β_N rampdown β_N = 7
Feb 9 – 13	Maintenance Week				
Feb 16 – 20	**MP-3** *20* Magnetics calib'n **MP-6** *19* HHFW cond'n	**XP-415** *25* Mode locking	**XP-418** *25* MAST H-mode comparison	**XP-418** *23* MAST H-mode comparison	**MP-6** *34* HHFW cond'n **Boronization 22**
Feb 23 – 27	**XP-421** *22* High β	**XP-421** *18* High β	**XP-414** *22* High β_N rampdown	**XP-417** *15* Fast ion spectrum	**XP-432** Long-pulse H-mode
Mar 1 – 5	**MP-11** *19* He density scan **MP-6** *18* HHFW cond'n	**MP-6** *37* HHFW cond'n	**XP-403** *41* HHFW current drive	**MP-30** *25* HHFW breakdown	**MP-30** *30* HHFW breakdown **MP-3** *10* Magnetics calib'n
Mar 8 – 19	Maintenance Period (NB calorimeter, CHERS dump, bakeout)				
Mar 22 – 26	**Boronization 23 (hot)**	Maintenance Period (NB calorimeter, conclude bakeout)			
Mar 29 – Apr 2	*2* Restart and check noise on magnetics	**MP-9** *20* Post-boron assessment	**MP-3** *19* Magnetics calibration **MP-9** *10* Post-boron assess't w/ NBI	**MP-32** *19* Develop rt-EFIT standard shapes	**XP-426** *22* Fast-ion induced MHD & loss

Apr 5 – 9	**XP-432** *16* Long-pulse LSN	**XP-402** *2* Long-pulse DN Computer problem	Water leak	Water leak	Water leak **XP-402** *7* Long-pulse DN
Apr 12 – 16	**XP-402** *12* Long-pulse DN **XP-417** *14* NPA scan **Boronization 24**	**XP-402** *13* Long-pulse DN **XP-407** *19* RWM study **β_T 38%** (Extended shift)	**XP-419** *26* H-mode threshold	**XP-401** *23* H-mode scaling	**XP-401** *8* H-mode scaling **MP-6** *24* RF conditioning
Apr 19 – 23	**XP-419** *19* H-mode threshold **XP-418** *7* Shape dependence of L-H	**XP-425** *30* HHFW H-modes	**XP-403** *44* HHFW current drive	**XP-413** *26* HHFW heating of NB H-mode **XP-423** *21* PF frequency resp. (Extended shift)	**XP-408** *27* RWM rotation damping **Boronization 25**
Apr 26 – 30	**XP-427** *25* Neoclassical Tearing Modes	**XP-402** *39* Long-pulse DN **1s, 1MA pulse** (Extended shift)	**XP-434** *33* Edge Characterization	**XP-440** *31* Early H-mode	**XP-432** *47* Long-pulse LSN **He conditioning, 1.25MA, β_T 40%**
May 3 – 7	Maintenance Period (RWM coils, CHI cap. bank)				
May 10 – 14	Water leak (PF1A buswork)		Water leak **XP-429** *7* Between-shots boronization	**XP-429** *17* Between-shots boronization **XP-409** *13* Gas comparison (Extended shift)	**XP-441** *41* HHFW power deposition
May 17 – 21	**MP-32** *20* rtEFIT develop't **XP-409** *19* Gas comparison	**XP-428** *32* RWM dissipation (Extended shift)	**XP-437** *34* Edge turbulence	**XP-446** *36* ELM study **(Morning boronization)**	**MP-30** *22* HHFW breakdown **XP-433** *11* PF-only startup
May 24 – 28	**XP-431** *30* Solenoidless startup	**XP-411** *30* q(r) & e-transport **(Morning boronization)**	**XP-425** *31* HHFW H-mode	**XP-413** *47* HHFW heating of NB H-mode (Extended shift)	**XP-439** *33* Core turbulence **(Morning boronization)**
May 31 – Jun 4	Holiday	**XP-421** *35* Troyon scaling **(Morning boronization)**	**XP-446** *35* ELM study	**XP-447** *28* SOL flows **XP-415** *12* Mode locking (Extended shift)	**MP-33** *13* MSE calibration **XP-415** *5* Mode locking
Jun 7 – 25	Maintenance Period (RWM coils, CHI cap. bank)				