

Report on run to date and scheduling for near term

E. Fredrickson
S.A. Sabbagh
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Summary and Status

- Official Score: 5 weeks, 2 days completed.
 - ≈ 16.5 days of XPs (about 680 shots)
 - ≈ 10 days of XMPs (about 530 shots)
- Machine/beams/diagnostics should be in good shape by Monday.
- Machine performance (w/dual LITERs) has been very good.
- Only 31 of ≈ 60 priority 1 XPs fully approved.

NSTX FY2010 Run Schedule

Last Updated: 06/25/2010

	Monday 24-May (PSI)	Tuesday 25-May (PSI)	Wednesday 26-May (PSI)	Thursday 27-May (PSI)	Friday 28-May (PSI)
2	Mueller	Mueller	Mueller	Mueller	Mueller
	Maintenance & Repairs	Maintenance & Repairs ISTP	ISTP XMP 064	Kolemen XMP? "relay control" Repairs Kolemen XP1003	Kolemen XP1003 X-pt, OSP cntrl Kolemen XP1003 X-pt, OSP cntrl
Shots			34	14/7	31
3	Kolemen 31-May (ITER)	Kolemen 1-June (ITER)	Kolemen 2-June (ITER)	Kolemen 3-June (ITER)	Kolemen 4-June (ITER)
	Memorial Day	Menard XP1004 Early EFC	Repairs Kaye XP1028 Density L/H Sabbagh XP1031	Canik XP1027 RMP sub/ELM thr Canik XP1064 long pulse EPH HHFW Vacuum Conditioning (5-9pm)	Canik XP1064 Maingi XP1043 Heat flux profiles 1 of 3
Shots		50	23/4	21/25	13/33
4	7-June	8-June	9-June	10-June	11-June
	XMP 26 HHFW Plasma Conditioning	XMP 26 HHFW Plasma Conditioning	XMP 26 HHFW Plasma Conditioning Hosea XP1017 4 shots	Maintenance & Repairs	Maintenance & Repairs XMP 26
Hours	41	52	48		10
5	14-June	15-June	16-June	17-June	18-June
	XMP 26 HHFW Plasma Conditioning Hosea XP1017 Divertor Heating (0.5)	ISTP PF4 Maingi XP1043 Heat flux profiles 2 of 3	Kolemen XP1003 X-point cntrl Menard XP1005 Imp. Control	XMP 26 HHFW Plasma Conditioning Taylor XP1009 Low Current (0.5)	Vacuum Conditioning Kolemen XMP068 PF4/PF5
Hours	52		30/20	BES Commissioning	24
		39		46/11	

Boundary Physics, Lithium Research, Macroscopic Stability,
Wave-Particle interactions, Turbulence & Transport,
Solonoid-Free Startup, Advanced Scenarios and Control,
Cross-cutting & Enabling, ITER

Contact Person:
Eric fredrickson
efredrickson@pppl.gov
609-243-2945

- Schedule posted in Drag & Drop folder

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	Monday	Tuesday	Wednesday	Thursday	Friday
6	21-June (EPS)	22-June (EPS)	23-June (EPS)	24-June (EPS)	25-June (EPS)
	Soukhanovskii XP1002 Impurity reduction	Recovery from third 'event'	BES Commissioning	Maintenance & Repairs	Maintenance & Repairs
	Recovery from third 'event'	Sabbagh XP1031 edge stability	Fredrickson XP1011 H-mode Avalanches		
Shots	34	47	16/34		
6	28-June	29-June	30-June	1-July	2-July
	Gerhardt XP1019 Opt. beta cntl	R Bell XP1041 Rotation	Diallo XP1044 Pedestal Height (1)	Ahn XP1046 ELM heat flux	Tritz XP1013 *AE electron transp.
		Sabbagh XP1023 Opt. RWM @ high β		Ren XP1037 High-k parametric	
Shots					
7	5-July	6-July	7-July	8-July	9-July
	"July 4"	Fu XP1015 M3D-k Validation	LITER 50% fill	LITER 50% fill	LITER 50% fill
		McLean XP1021 Halo Currents w/LLD			
Shots					
8	12-July	13-July	14-July	15-July	16-July
	Kugel (XP1059) LLD commissioning	Kugel (XP1059) LLD commissioning	Soukanovskii XP1001 LLD Pumping	Soukanovskii XP1001 LLD Pumping	Gerhardt XP1066 LLD Survey
Shots					

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LLD “50% solution” to start July 7

- LITER filling phase through July 11, XP1059 to start Monday, July 12.
- At least two days for LLD commissioning.
- Subsequent schedule dependent upon results from XP1059 and later XP1001.