Machine Pre-Studies
Schedule for Run03-1, 2012

Sep 21st 0800 – Oct. 1st 0800

Time	Descriptions	Studiers	SR Status
	Fri, Sep 21, 2012 (Pre-Studies)		
0800-1200	MPS validations, final checkout	Smith	
1200-1600	Continue rf conditioning	RF group	
1400-1630	Establish injection.	Sajaev	Stored Beam & Injection
1630-1930	Aperture scan, SCU0 test chamber, 1-2 mA (P1s)	Borland Emery Harkay Sajaev Zholents Boon	Stored Beam & Injection
1930-2100	Beam steering setup; preliminary beam-based alignment, SCU0 test chamber , < 25 mA	Borland Emery Harkay Sajaev Zholents Boon	Stored Beam & Injection
2130-2400	Accumulate 100 mA in 324 bunches; fill-on-fill. Measure x,y tunes at intervals of 5 mA. No P0 FB.	OPS	Stored Beam & Injection
	Sat, Sep 22, 2012 (Pre-studies)		
0000-1100	Accumulate 100 mA in 324 bunches (cont).	OPS	Stored Beam & Injection
1100-1700	FPGA BPM setup, < 5 mA	Sereno	Stored Beam & Injection
1700-2130	Accumulate 100 mA in 324 bunches. Measure x,y tunes at intervals of 5 mA (cont from 1100)	OPS	Stored Beam & Injection
1700-2200	Beam-based alignment, SCU0 test chamber, <80 mA	Borland Harkay Boon	Stored Beam & Injection
2200-2400	Dump beam, measure cooldown.	Borland Harkay Boon	Stored Beam & Injection
	Sun, Sep 23, 2012 (Pre-studies)		
0000-2400	Rf conditioning, 115 mA, 24 bunches.	OPS	Stored Beam &

	Measure x,y tunes at intervals of 5 mA. No P0 FB.		**Injection**
1800-2200	**Beam-based alignment (parasitic to 324-bunch accum)**	**Harkay Xiao Boon**	**Stored Beam**
	Mon, Sep 24, 2012 (Pre-studies)		
	Continuation of rf conditioning if needed		**Stored Beam & Injection**
0830-0900	**Meeting: studies status**	**A1100**	
	Initial set-up of Pinhole camera (more than 40ma – can be parasitic to RF conditioning)	**Yang**	**Stored Beam & Injection**
	P0FB system setup (after conditioning)	**Yao**	**Stored Beam & Injection**
	Tuesday, Sep 25, 2012		
0000-0800	**Pre-studies (OPEN)**		
0800-1200	**BPLD validation.**	**Bui**	**Stored Beam & Injection**
1200-1600	**X-ray BPM checkout.**	**Hahne**	**Stored Beam & Injection**
1600-2200	**Orbit Recovery + switch to RHB**	**Xiao**	**Stored beam & injection**
2200-2400	**Install P1/P5 offsets**	**Xiao**	**Stored beam & injection**
	Wednesday, Sep 26, 2012		
0000-0200	**Install P1/P5 offsets (continued)**	**Xiao**	**Stored Beam & Injection**
0200-0700	**OPEN**		
0700-0900	**~~Continue X-ray BPM checkout~~ cancelled due to IOC work**	**Hahne**	**Stored Beam & injection**
0900-1300	**Orbit cleanup**	**Sajaev**	**Stored Beam & Injection**
1300-1700	**RHB lattice correction**	**Sajaev**	**Stored Beam & Injection**
1700-2100	**Set up S35 Pinhole camera**	**Yang**	**Stored Beam**
1700-1900	**Scan PAR kicker timing and optimize par beam**	**Yao**	**Occasional injection**
2100-2400	**CPU Checkout 1**	**Xiao**	**Stored Beam**

2100-2400	Set up the 150 MeV lattice to the BB-Dump	Sereno/Pasky	Occ. injection possible
	Thursday, Sep 27, 2012		
0000-0300	CPU Checkout 1 (continued)	Xiao	Stored Beam
0000-0300	Set up the 150 MeV lattice to the BB-Dump	Sereno/Pasky	Occ. injection possible
0300-0800	OPEN		
0800-1200	PSS shutter tests	SI Group	No beam
0800-0900	Reboot lic iocs	Pietryla	No injection
0900-1100	Test RF conditioning sequence	Pietryla/Pasky	No injection
0800-1200	test booster ramp current ADC card	Yao, Shang, Wang, Xu	No injection
0800-1000	Investigate BEK Kicker power supply faulty digital meter	Hillman	No injection
0800-1000	investigate S16AQ5 unstable read backs	Puttkammer	No SR beam
0800-1000	Perform air temperature monitoring in SR Sector 25 converter cabinet 2	Sprau	No SR beam
0830-0900	HP survey at Zone E/F gate	Vacca	Access Zone E
0830-0900	Check BLM in S33	Brill/Dooling	Access Zone E
0900-1100	Troubleshoot 13-ID rotary encoder	Grimmer/ Merritt	Access Zone B
0930-1130	Replace S37 Cav 4 US & CAV 3 DS IR thermometers	Morrison	Access Zone F
0930-1130	Investigate low flow at S35BM FM2	Theres	Access Zone F, Possible access Zone E
0930-1130	Repair/replace S39:IK2 blower	Morrison	Access Zone F
1130-1200	Recover SR	OPS	Stored beam & inj.
1200-1500	Chromaticity /dispersion measurement of booster low-emittance lattice	Yao	No SR beam
1500-2100	IEX prepare 1	Xiao	Stored beam & injection
2100-2400	FPGA data collection	C. Wang	Stored beam & injection
	Friday, Sep 28, 2012		

0000-0200	**FPGA data collection (continued)**	**C. Wang**	**Stored beam & injection**
0200-0600	**Injection optimization program debugging**	**Sajaev**	**Stored beam & injection**
0600-0900	**check and retune PID loops on Water skids 2,12,14, and 40**	**Putnam**	**Stored beam**
0700-0900	**Continue XBPM studies**	**Hahne**	**Stored beam& inj.**
0900-1300	**24 singlet lattice set-up**	**Sajaev**	**Stored Beam & Injection**
1300-1900	**CPU Checkout 2**	**Xiao**	**Stored Beam & Injection**
1900-2400	**FPGA data collection (continued)**	**C. Wang**	**Stored beam & injection**
	Saturday, Sep 29, 2012		
0000-0800	**Switch to RG2**	**OPS**	**Limited injection**
0800-1200	**Bunch purity measurement set-up**	**Yang**	**Stored Beam & Injection**
1200-1800	**IEX prepare 2**	**Xiao**	**Stored Beam & Injection**
1800-2400	**Top-up Verification**	**OPS**	**Stored Beam & Injection**
	Sunday, Sep 30, 2012		
0000-0600	**Top-up Verification**	**OPS**	**Stored Beam & Injection**
0600-0700	**OPEN**		
0700-0800	**Set-up for supplemental shielding tests**	**Borland/ Dooling**	**No injection**
0800-1600	**perform tests of the new supplemental shielding installed in the LTP and Booster**	**Borland/ Dooling/Vacca**	**No injection**
1600-2400	**Switch to RG1**	**OPS**	**Limited injection**
	Monday, Oct 1, 2012		
0000-0900	**aperture scans in 6ID and steering in 6BM**	**Harkay/Boon**	**Stored Beam & Injection**
0900-1700	**Final BPM checkout**	**Decker**	**Stored Beam & Injection**

1700-2100	**Final setup of pinhole camera**	**Yang**	**Stored Beam & Injection**
2100-2400	**Impedance test lattice setup (hybrid-like fill)**	**Sajaev**	**Stored Beam & Injection**
	Tuesday, Oct 2, 2012		
0000-0300	**Impedance test lattice setup (hybrid-like fill) (continued)**	**Sajaev**	**Stored Beam & Injection**
0300-0600	**Final lattice and injection setup.**	**Sajaev**	**Stored Beam & Injection**
0600-0800	**Prepare for user Operations (24 singlets RHB – Top-Up)**	**Ops**	**Stored Beam & Injection**