

# Machine Studies

## Schedule for Run01-7, 2006

March 13th 0800 - March 15th 0800

Time	Descriptions	Studiers	SRStatus
<b>Monday, 3/13/06</b>			
0800-0810	Collect XBPM orbit data	OPS	Stored Beam & Injection
0810-1030	Install the Linac Arc Detector Upgrade at L1	Grelick/ Yoder	Limited Injection
0810-0910	Implement software for Booster supplies	Varotto	No Injection
0810-0840	Repair leak on HX in water station L1	Dortwegt	No Injection
0810-0840	Switch from RF2 to RF3	Horan	No Beam
0810-1000	Measure SR kicker trigger timing	Fors	No Beam
0840-1030	Investigate mod-anode OI trip problem at RF4	Horan	No Beam
1030-1230	BPM tests	Erwin	Stored Beam
1030-1230	X-ray BPM tests	Hahne	Stored beam
Cancelled	RFGun Kicker Validation PEMtool test	Pasky, Shang	No injection
Cancelled	Bunch Current Monitor Studies (last 1/2 hour single bunch inj.	Lenkszus, Varotto	Stored beam & 1/2 hr Inj.
1800-2100	Recover 24 singlet orbit	Singh, et al	Stored beam & Inj.
2100-2400	Injection improvement with booster/ BTS adjustments	Sajaev/Ser- eno/Emery	Stored Beam & Top-Up
<b>Tuesday, 3/14/06</b>			
0000-0300	CPU dipole corrector adjustments.	Emery	Stored beam & Injection
0300-0500	Verify top-up with new booster/BTS improvements	OPS	Stored Beam & Top-Up

<b>Time</b>	<b>Descriptions</b>	<b>Studiers</b>	<b>SRStatus</b>
<b>0500-0600</b>	<b>Verify par setup and SR bunch purity (instructions from Yao)</b>	<b>OPS</b>	<b>Stored Beam &amp; Inj.</b>
<b>0600-0700</b>	<b>Storage Ring training (2300-0700)</b>	<b>S. Flood</b>	<b>Stored Beam &amp; Inj.</b>
<b>0700-0800</b>	<b>Troubleshoot/replace infrared thermometer meter on downstream side of Booster #3 cavity</b>	<b>Morrison/McKenzie</b>	<b>No injection</b>
<b>0700-0900</b>	<b>Waveguide switches to support new RF EPICS setup</b>	<b>Cherbak/DiMonte</b>	<b>No Beam</b>
<b>0800-0900</b>	<b>Bring L3 back on line</b>	<b>Cours/Douell</b>	<b>No Injection</b>
<b>0900-1000</b>	<b>Set-up for 32-ID low sigma lattice</b>	<b>Borland/Sajaev</b>	<b>Stored Beam &amp; Inj.</b>
<b>1000-1600</b>	<b>Test low sigmax lattice with 32-ID</b>	<b>Borland/Sajaev/32ID BP</b>	<b>Stored Beam &amp; Occ. Inj.</b>
<b>1600-1700</b>	<b>Beam size scan vs lifetime</b>	<b>Sajaev</b>	<b>Stored Beam &amp; Inj.</b>
<b>1700-2100</b>	<b>BPM studies</b>	<b>Decker, et al</b>	<b>Stored beam &amp; Occ. Inj.</b>
<b>2100-2300</b>	<b>324 bunch instability investigation</b>	<b>Harkay, Guo, Yang</b>	<b>Stored beam &amp; Occ. Inj</b>
<b>2300-2400</b>	<b>Vertical kick Sector 35 imaging studies</b>	<b>Harkay, Guo, Yang</b>	<b>Stored beam &amp; Inj.</b>
<b>Wednesday, 3/15/06</b>			
<b>0000-0300</b>	<b>Vertical kick Sector 35 imaging</b>	<b>Harkay, Guo, Yang</b>	<b>Stored beam &amp; Inj.</b>
<b>0300-0500</b>	<b>Continue with BPM offset measurements if needed</b>	<b>OPS</b>	<b>Stored beam &amp; Occ. Inj.</b>
<b>0500-0700</b>	<b>2hrs Storage Ring Training</b>	<b>S. Flood</b>	<b>Injection possible</b>
<b>0700-0800</b>	<b>Prepare for User beam</b>	<b>OPS</b>	<b>Stored Beam &amp; Injection</b>