

Machine Studies

Schedule for Run03-1, 2013

September 24th 0800 – October 1st 0800

| Time | Descriptions | Studiers | SR Status |
|-----------|--|----------------------|-----------------------------|
| | Tuesday, September 24, 2013 | | |
| 1000-1400 | BPLD validation. | Bui | Stored Beam & Injection |
| 1400-1800 | X-ray BPM checkout. | Hahne | Stored Beam & Injection |
| 1500-1700 | Injector training (parallel to x-ray bpm checkout). | Angel | Limited Injection |
| 1800-2400 | Initial BPM checkout. | Decker | Stored Beam & Injection |
| | Wednesday, September 25, 2013 | | |
| 0000-0600 | Orbit recovery. | Xiao | Stored Beam & Injection |
| 0600-1200 | ID steering and orbit clean-up. | Sajaev | Stored Beam & Injection |
| 1200-1500 | SCU0 quench studies (SCU0 off). | Harkay Doose Dooling | Stored Beam & Injection |
| 1500-1700 | Test MXA/VSA tune measurement. | Yao Shang | Stored Beam & Injection |
| 1500-1700 | Set-up S35 pinhole camera and bunch purity system | Yang | Stored Beam -- No injection |
| 1700-1900 | SCU0 beam-based alignment and ID steering. | Harkay | Stored Beam & Injection |
| 1900-2400 | CPU setup 1. | Xiao | Stored Beam & Injection |
| 1900-2000 | SCU0 skew quad feedforward checkout (parallel to CPU setup). | Harkay | |
| 2000-2200 | Injector training (15-23) (parallel to CPU setup). | Angel | Limited Injection |
| | Thursday, September 26, 2013 | | |

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| 0000-0300 | CPU setup 1 (continued). | Xiao | Stored Beam & Injection |
| 0300-0800 | Explore on-axis injection in small DA lattice. | Emery | Stored Beam & Injection |
| 0800-1200 | PSS shutter checkouts | SI group | No Beam |
| 0800-0900 | Replace and calibrate DCCT DVM (SR RF systems need to be off) | Rob Keane | No Beam |
| 0800-0900 | Troubleshoot iocrfmon & iocrf5hvps (RF5 need to be off in anticipation of waveguide switch)) | DiMonte | No Beam |
| 0800-0830 | Reboot interleaving DSPs | PS Group | No injection |
| 0800-1100 | Inspect turbo upmp system on SCU0. | Hasse | Access Zone A |
| 0830-1130 | Verify survey mounts | Penicka | Access Zone C |
| 0900-1000 | RF waveguide switch | RF Group | No Beam |
| 1000-1100 | Check SR Flags | Berg | No beam |
| 1130-1200 | Recover SR systems | Ops | Stored Beam & Injection |
| 1200-1600 | Test new skew quads. | Emery Sajaev Sun | Stored Beam & Injection |
| 1200-1400 | Injector training (07-15) (parallel to test new skew quads). | Obasohan | Limited Injection |
| 1600-1800 | Install new firing card and test. | Yao Wang | Limited injection |
| 1800-2400 | Intermediate BPM checkout. | Decker | Stored Beam & Injection |
| 2 hrs | Injector training (15-23) (parallel to BPM checkout if possible) | Angel | Limited Injection |
| Friday, September 27, 2013 | | | |
| 0000-0600 | Lattice setup. | Sajaev | Stored Beam & Injection |
| 0600-1330 | CPU setup 2. | Xiao | Stored Beam & Injection |
| 0800-1000 | Injector training (07-15) (parallel to CPU work). | Obasohan | Limited Injection |
| 1000-1100 | Set up SD ramp after PS change (parallel to CPU). | Yao | Limited injection |
| 1330-1400 | Switch back to RF4 from RF1 | RF Group | No beam |

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| 1400-1700 | SCU quench studies. | Harkay Xiao Doose Dooling | Stored Beam & Injection |
| 1700-2000 | Optics correction with FPGAs. | Wang | Stored Beam & Injection |
| 1700-1900 | Injector training (15-23) (parallel to FPGA studies). | Angel | Limited Injection |
| 2000-2200 | Set up 6 GeV booster extraction. | Yao | Limited injection |
| 2200-2400 | IEX checkout. | Xiao | Stored Beam & Injection |
| Saturday, September 28, 2013 | | | |
| 0000-0400 | IEX checkout. | Xiao | Stored Beam & Injection |
| 0400-1000 | OPEN | | |
| 1000-1800 | SCU0 radiation heating measurements. | Boon Harkay | Stored Beam & Injection |
| 1800-2400 | OPEN | | |
| Sunday, September 29, 2013 | | | |
| 0000-0800 | OPEN | | |
| 0800-1600 | SCU0 radiation heating measurements. | Boon Harkay | Stored Beam & Injection |
| 1800-2000 | SR requalifications | Schroeder/ Ronzhin/ Christensen | Stored beam & injection |
| 2000-2400 | Topup test run | OPS | Stored Beam & Injection |
| Monday, September 30, 2013 | | | |
| 0000-0400 | Topup test run | OPS | Stored Beam & Injection |
| 0400-0800 | PAR high charge test. | Yao Chae | Stored Beam & Injection |
| 0800-1400 | Final BPM checkout. | Decker | Stored Beam & Injection |
| 1400-1800 | Smith predictor in sddscontrollaw. | Emery Shang | Stored Beam & Injection |
| 1800-2200 | Injection limit on reference orbit. | Emery Lindberg | Stored Beam & Injection |

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| 2200-2400 | SCU0 quench studies (SCU0 off). | Harkay Doose Dooling | Stored Beam & Injection |
| | Tuesday, October 01, 2013 | | |
| 0000-0100 | SCU0 quench studies (SCU0 off), continued. | Harkay Doose Dooling | Stored Beam & Injection |
| 0100-0600 | OPEN | | |
| 0600-0800 | Prepare for user Operations (24 singlets – Top-Up RHB) | Ops | Stored Beam & Injection |