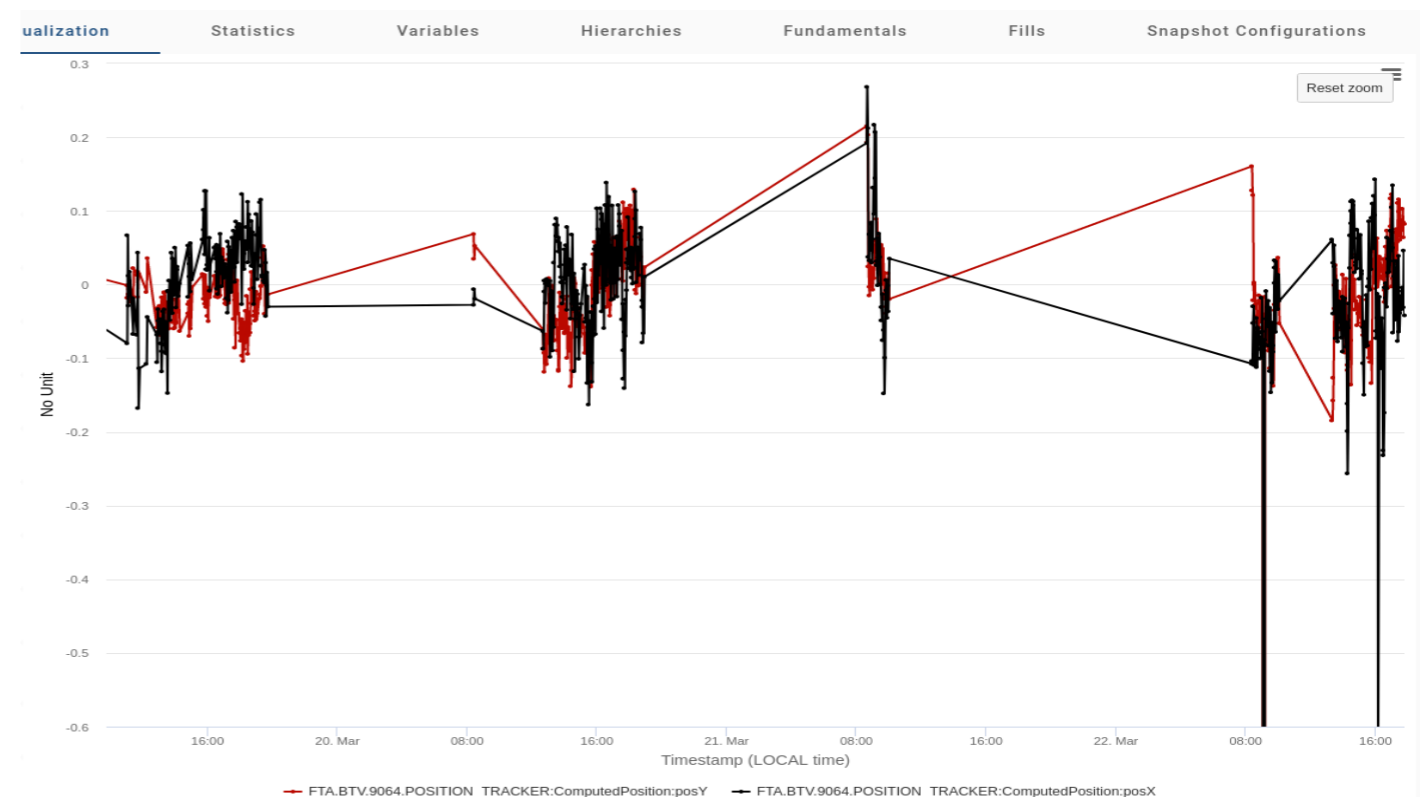
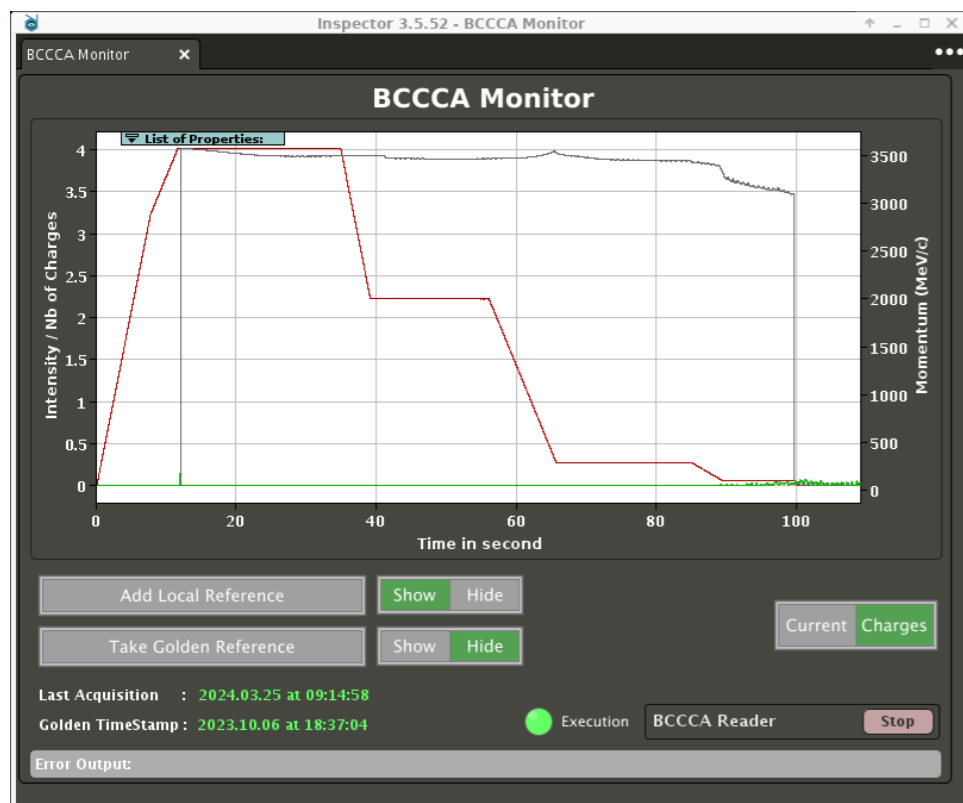


AD and ELENA status

- AD target:
 - Stable condition with $1.5e13$ on target
 - Autosteering from last year ON

- Beam commissioning in AD
 - Tuning of the bunch rotation + first check of the ramps
 - Setting-up of stochastic cooling on both plateaus
 - Rough alignment of e-beam vs pbars in vertical plane on both plateaux

- Pbars commissioning in ELENA:
 - Setting up of pbars cycle with new working point



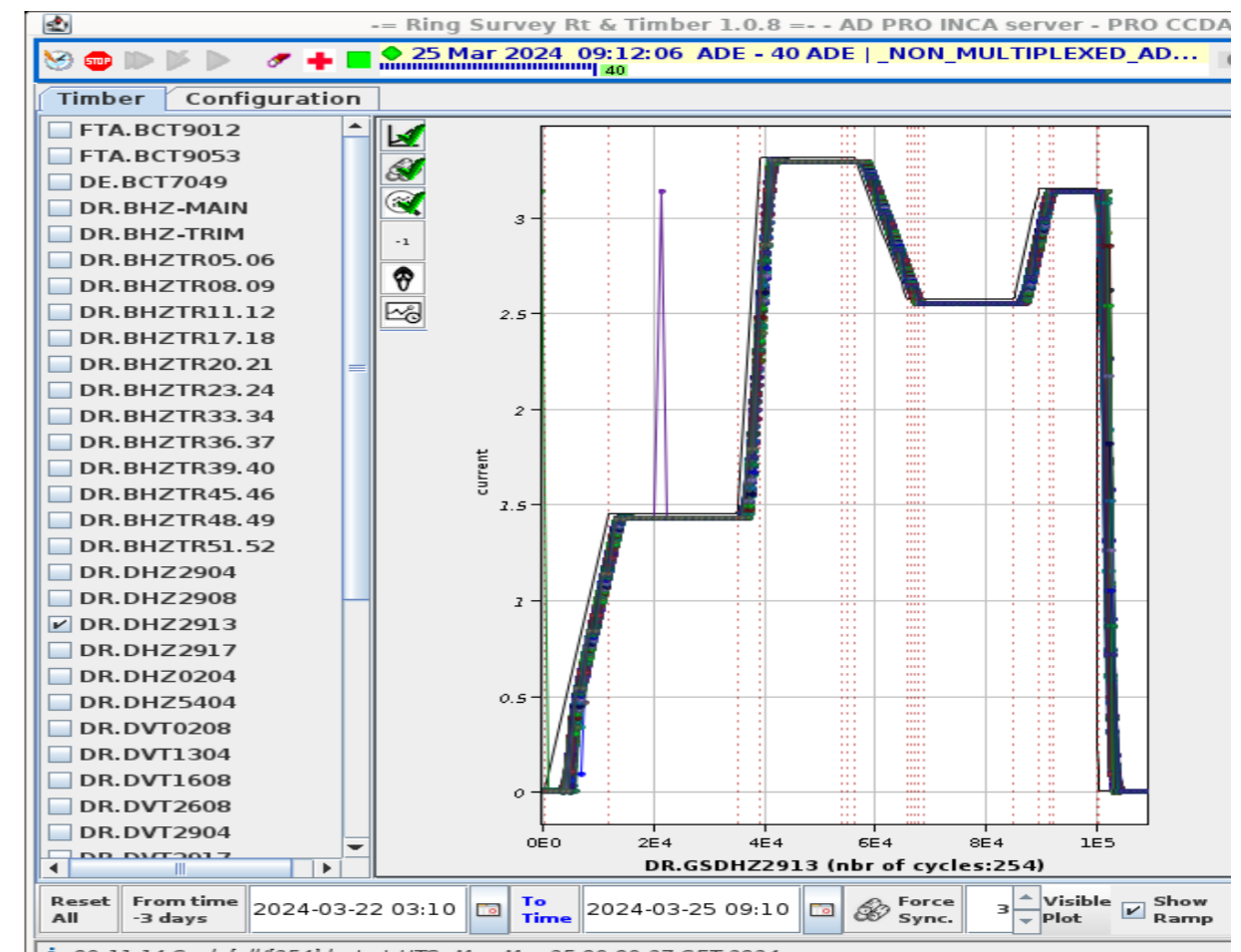
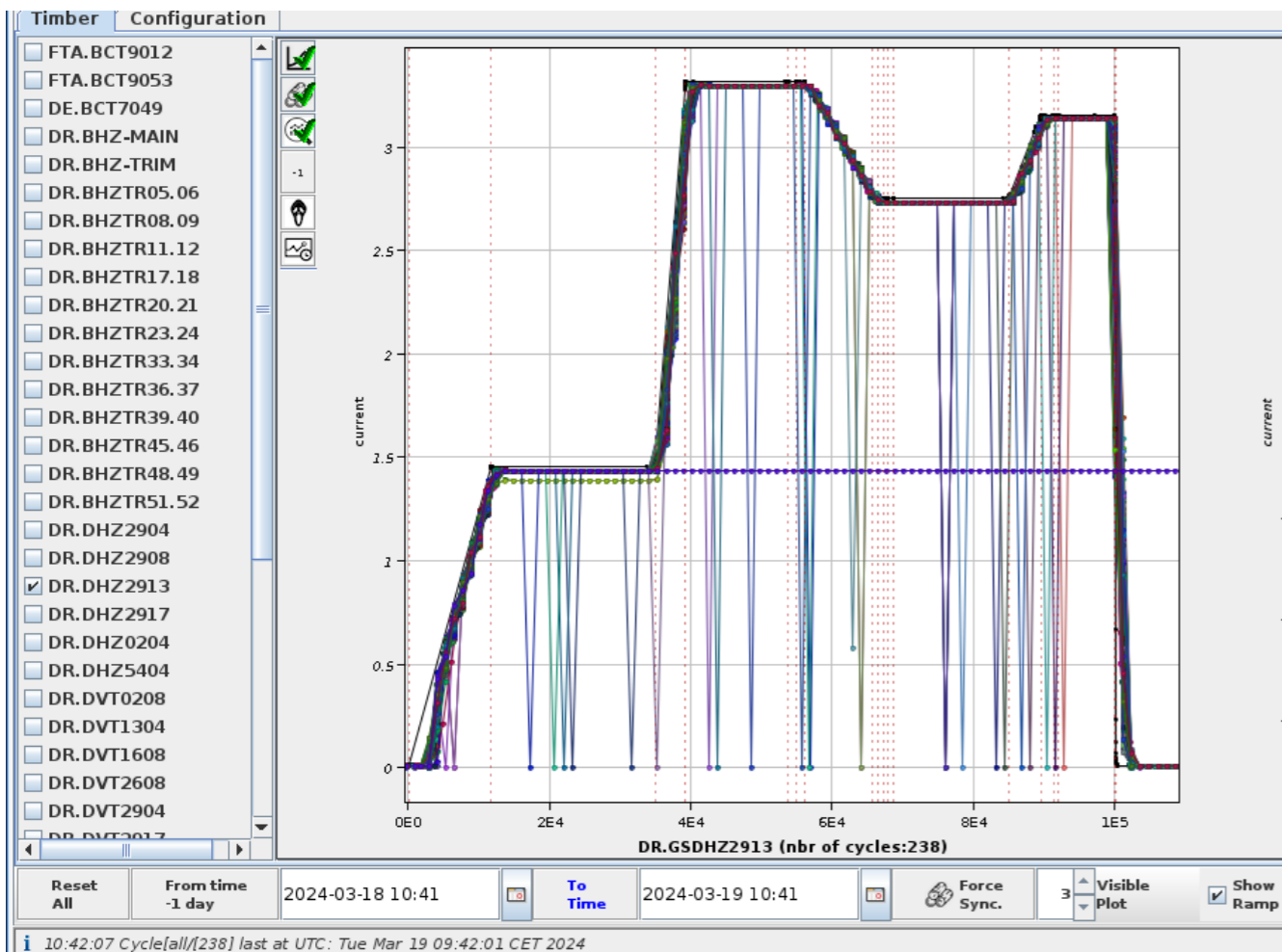


Activities slotted in during beam stops and between beam stops



- Deployment of software + HW for the new optical notch filter at 2 GeV
- Exchange of the Power trigger module of the ejection kicker:
 - Adjustment of the delay
- Tests on IPM HW:
 - Final validation with beam to be done
- Started tune measurement
- First observation of injection oscillation in AD
- Test with Btrain functions

- Polarity inversion on DR.UHZ2920:
- Recurrent sudden beam loss at the end of 300 MeV plateau:
 - DR.DHZ2913 suspected





Beam commissioning initial planning



AD cycle	Activity	Duration [working days]	From	To	Groups required	Notes
First beam to AD target		1	14 March 2024	15 March 2024	OP, STI, ABT	time for target conditioning ? Commissioning of the new horn ?
Target conditioning		1	15 March 2024	18 March 2024	OP, STI, ABT	time for target conditioning ? Commissioning of the new horn ?
DI commissioning	DI check in parallel of target conditioning	3	18 March 2024	21 March 2024	OP, ABT	reduce number of pulsing to be adjusted after winter measurement
Nominal Beam from target	C10 phasing, injection check	1	21 March 2024	22 March 2024	RF, OP	
instrumentation check	scraper, tune, BPM	1	22 March 2024	25 March 2024	OP, BI	
FT1	Stoch cooling	3	25 March 2024	28 March 2024	OP, RF	AD in pause at 3.5 GeV/c, required cooling adjustement
RP1	LLRF/longdiag, orbit...	1	28 March 2024	29 March 2024	OP, RF	
FT2	Stoch cooling	2	29 March 2024	02 April 2024	OP, RF	AD in pause at 2 GeV/c
RP2	LLRF/longdiag, orbit...	1	02 April 2024	03 April 2024	OP, RF	
FT3	ecooling..	1	03 April 2024	04 April 2024	OP, ABP, BI	
RP3	LLRF/longdiag, orbit	1	04 April 2024	05 April 2024	OP, RF	
FT4	ecooling...	2	05 April 2024	09 April 2024	OP, ABP, BI	
Extraction	LLRF/longdiag...	1	09 April 2024	10 April 2024	OP, RF	
Transfer lines	Steering, Quad scan	1	10 April 2024	11 April 2024	OP, ABT	
ELENA						
pbars operation						
	injection setting-up	1	12 April 2024	15 April 2024	OP, ABT	
	working point + emittance	1	16 April 2024	17 April 2024	OP	
	E-cooler extraction plateau	1	18 April 2024	19 April 2024	OP, ABP	
H minus operation						
	injection setting-up		06/02/24			
new optics cycle setting-up						
	LLRF test					
	scraper tests					
	E-cooler beam alignement					

- Monday- Tuesday:
 - No beam from injectors

- Wednesday:
 - Final alignment with e-cooler
 - IPM tests?

- Thursday:
 - DI optimization
 - Completion of tune measurement/correction
 - Check of RF in the 300MeV → 100MeV ramp

- Beam time requests:
 - Setting of BCCCA?
 - Test of Btrain function generation?