

FGC integration - INCA

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Current Status

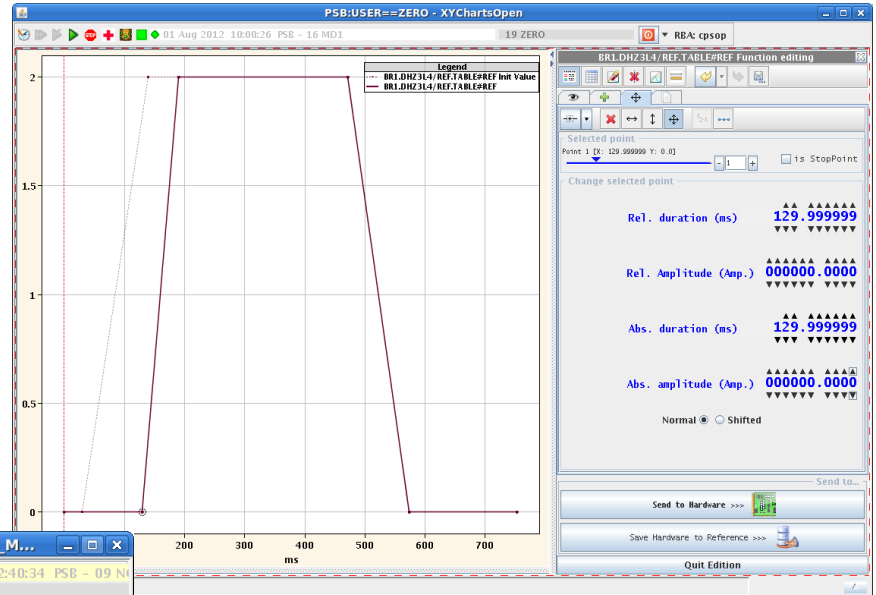
PSB:Orbit_Corrector - PSB.USER.LHC_MD_A

File Edit View References Commands Control Programs Help

20 Jul 2012 12:40:54 PSB - 26 NORMGPS

Simple view

FGC_61	STATE PC	Cycle Status	MAX_ABS_ERR	REG MODE
BR1.DHZ2L4	OFF	OK	0.00	CHW: disconnecte...
BR1.DHZ3L4	OFF	OK	0.00	I
BR1.DHZ8L1	OFF	OK	0.00	I
BR1.DHZ13L4	OFF	OK	0.00	V
BR1.DVT2L4	OFF	OK	0.00	I
BR1.DVT3L4	OFF	OK	0.00	I
BR1.DVT8L1	OFF	OK	0.00	I
BR1.DVT13L4	OFF	OK	0.00	I
FGC_61				
BR2.DHZ2L4	OFF	OK	0.00	V
BR2.DHZ3L4	OFF	OK	0.00	V
BR2.DHZ8L1	OFF	OK	0.00	I
BR2.DHZ13L4	OFF	OK	0.00	I
BR2.DVT2L4	OFF	OK	0.05	I
BR2.DVT3L4	OFF	OK	0.00	I
BR2.DVT8L1	OFF	OK	0.00	I
BR2.DVT13L4	OFF	OK	0.00	I
FGC_61				
BR3.DHZ2L4	OFF	OK	0.00	V
BR3.DHZ3L4	OFF	OK	0.00	I
BR3.DHZ8L1	OFF	OK	0.00	I
BR3.DHZ13L4	OFF	OK	0.00	I
BR3.DVT2L4	OFF	OK	0.00	I
BR3.DVT3L4	OFF	OK	0.00	I
BR3.DVT8L1	OFF	OK	0.00	I
BR3.DVT13L4	OFF	OK	0.00	I
FGC_61				
BR4.DHZ2L4	OFF	OK	0.00	
BR4.DHZ3L4	OFF	OK	0.00	
BR4.DHZ8L1	OFF	OK	0.00	
BR4.DHZ13L4	OFF	OK	0.00	
BR4.DVT2L4	OFF	OK	0.00	
BR4.DVT3L4	OFF	OK	0.00	
BR4.DVT8L1	OFF	OK	0.00	CH
BR4.DVT13L4	OFF	OK	0.00	



PSB:USER==LHC_M...

20 Jul 2012 12:40:34 PSB - 09 N...

11 LHC_MD_A

BR2.DVT3L4

SL0...

STATE PC OFF

ENA...

Cycle Status OK

MAX_ABS_ERR 0.00

REF_FUNC_TYPE TABLE

DISABLED

GAIN

Ref -

Init 5.0

GAIN 3.00

DELAY

Ref -

Init 30.0

DELAY 30.00

Open Points (TODO)

- **Amplitude** and **Delay** parameters
 - Implement as pure virtual InCA Parameters
 - Will be done in February/March (new InCA)
- **Configuration of dis-/re-connected FGCs**
 - FGC disconnected → Delete parameters and settings from InCA
 - FGC connected → automatically configure parameters
 - FGC contains an empty function when connected
 - OP will initialize it and copy to all cycles
 - Initialize the device with ALIAS name
- InCA to FGC **subscription issues**
 - <http://proj-fgc.web.cern.ch/proj-fgc/static/Platforms/FGC3/Commissioning.htm>
 - Need to thoroughly test different scenarios

InCA-FGC re-commissioning

- Many Changes
 - FGC
 - RDA
 - InCA Server logic
 - Working Sets / Knobs
 - Function Editor
- Need 2-3 dry runs (0.5 day each)
 - Test all functionality
 - Participation of an FGC expert and OP will be vital
 - February/March 2014