



Status and Maintenance of Advance Phase 1 Electronics

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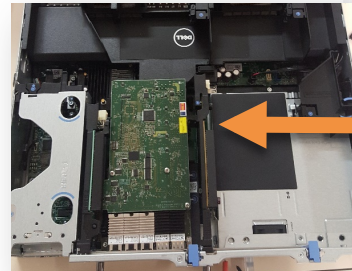
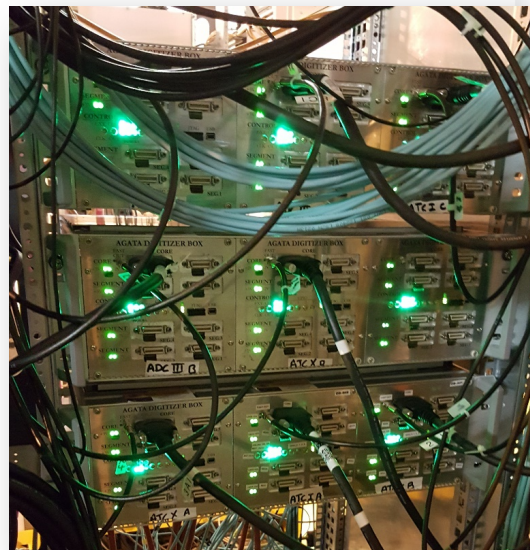
Installation GANIL

9 Digitizer-Box

11th October 2015 – 16th October 2015

7 new Digitizer-Box mounted

Total 9 Digitizer-Box – 9 DB-PSU



9 GGP

14th December 2015 – 18th December 2015

New Dell r530 Server GGP fitting problems

Back to Old HP machines and Dell r720

Only 4 new GGP mounted

Total 6 GGP

17th January 2016 – 20th January 2016

Try to install 3 GGP more

Firmware problems on 2 of them

Total 6 GGP

9th February 2016 – 12th February 2016

Firmware problems repaired

One mounted GGP had power problems >24h

9 GGP mounted and tested.



DigBox	DB-C02	Power	W_48V_A_5
GGP	18	DBPSU	DBPSU-C02
Fib50-Core	27	Core ID11	20,23,24
Fib51-Seg2	24		
Fib52-Cont	27	MDR cable 2C	
Fib53-Seg1	25		
Fib54-Seg0	26		Anode28

DigBox	DB-C01	Power	W_48V_A_2
GGP	16	DBPSU	DBPSU-C01
Fib50-Core	77	Core ID02	4,5,6
Fib51-Seg2	77		No MDR cable
Fib52-Cont	77		
Fib53-Seg1	74		
Fib54-Seg0	75		Anode06

DigBox	DB-A01	Power	W_48V_A_5
GGP	27	DBPSU	DBPSU-A01
Fib50-Core	20	Core ID14	33,42,34
Fib51-Seg2	25		
Fib52-Cont	20	MDR cable 2B	
Fib53-Seg1	22		
Fib54-Seg0	21		Anode27

DigBox	DB-B03	Power	W_48V_A_1
GGP	15	DBPSU	DBPSU-B03
Fib50-Core	80	Core ID10	19,30,28
Fib51-Seg2	82	seg 12 changed seg34	
Fib52-Cont	80	MDR cable 8C	
Fib53-Seg1	81		
Fib54-Seg0	83		Anode56

DigBox	DB-B02	Power	W_48V_A_2
GGP	20	DBPSU	DBPSU-B02
Fib50-Core	96	Core ID05	29,17,14
Fib51-Seg2	96		
Fib52-Cont	96	MDR cable 3B	
Fib53-Seg1	94		
Fib54-Seg0	97		Anode24

DigBox	DB-B00	Power	W_48V_A_3
GGP	25	DBPSU	DBPSU-B00
Fib50-Core	90	Core ID13	35,41,38
Fib51-Seg2	93		
Fib52-Cont	90	MRD cable 2A	
Fib53-Seg1	92		
Fib54-Seg0	91		Anode02

DigBox	DB-A03	Power	W_48V_A_3
GGP	24	DBPSU	DBPSU-A03
Fib50-Core	28	Core ID06	
Fib51-Seg2	28		
Fib52-Cont	28	MDR cable	
Fib53-Seg1	31		
Fib54-Seg0	30		Anode

DigBox	DB-A05	Power	W_48V_A_3
GGP	5	DBPSU	DBPSU-A05
Fib50-Core	29	Core ID04	
Fib51-Seg2	36		
Fib52-Cont	29	MDR cable	
Fib53-Seg1	34		
Fib54-Seg0	39		Anode

DigBox	DB-C00	Power	W_48V_A_3
GGP	17	DBPSU	DBPSU-C00
Fib50-Core	84	Core ID12	
Fib51-Seg2	87		
Fib52-Cont	84	MDR cable	
Fib53-Seg1	86		
Fib54-Seg0	85		Anode

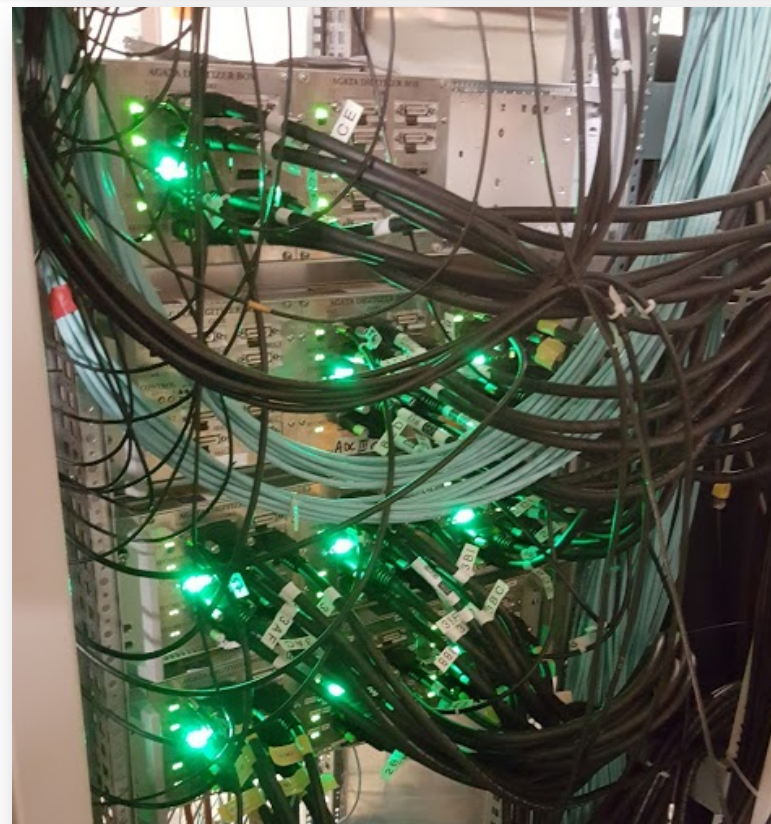
Current Status GANIL

Fast Output Core Update

March 2016 - 24th March 2016

gi-Opt12 Updated

-PSU Changed



11 Systems Installed

22th May 2016 – 25th May 2016

2 new Digitizer Box – 1 new GGP

11 Digitizer Box – 10 GGP

9 systems working

Valencia TestBench

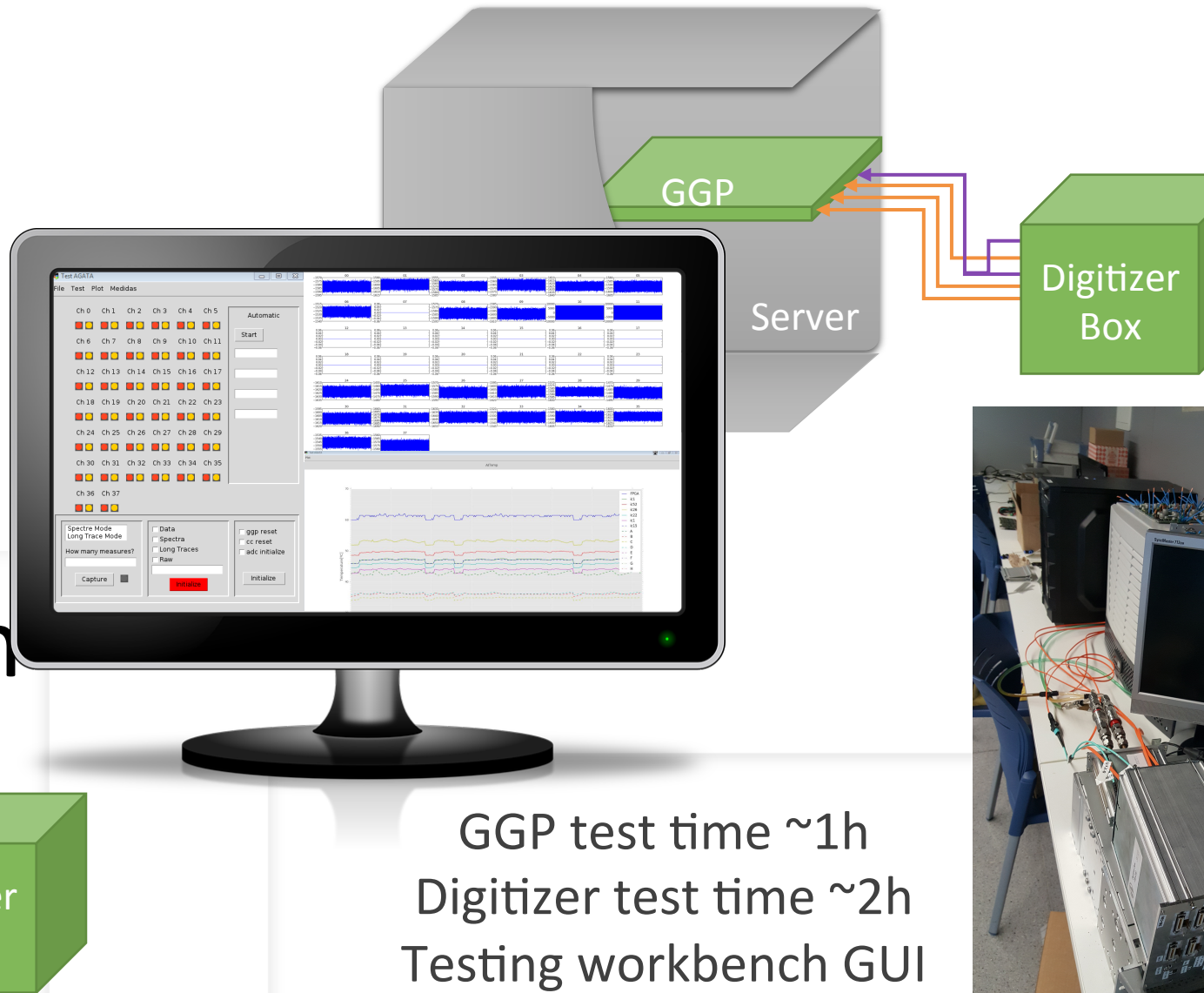
Tests

Digitizer-Box or GGP
Temperature and Power
Optical Link
Electronic noise and offset

possible expansion

Include a signal generator:
Test Gain
Test energy

Digitizer
Box

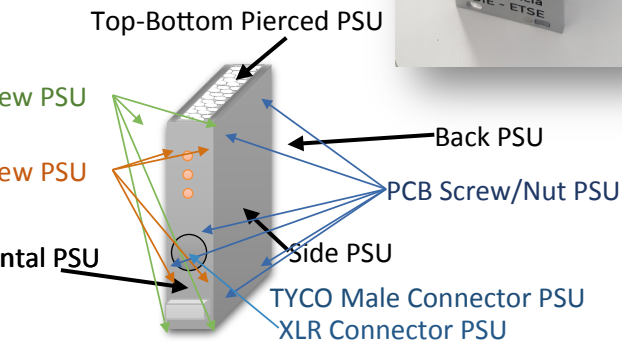


GGP test time ~1h
Digitizer test time ~2h
Testing workbench GUI

Units and Production

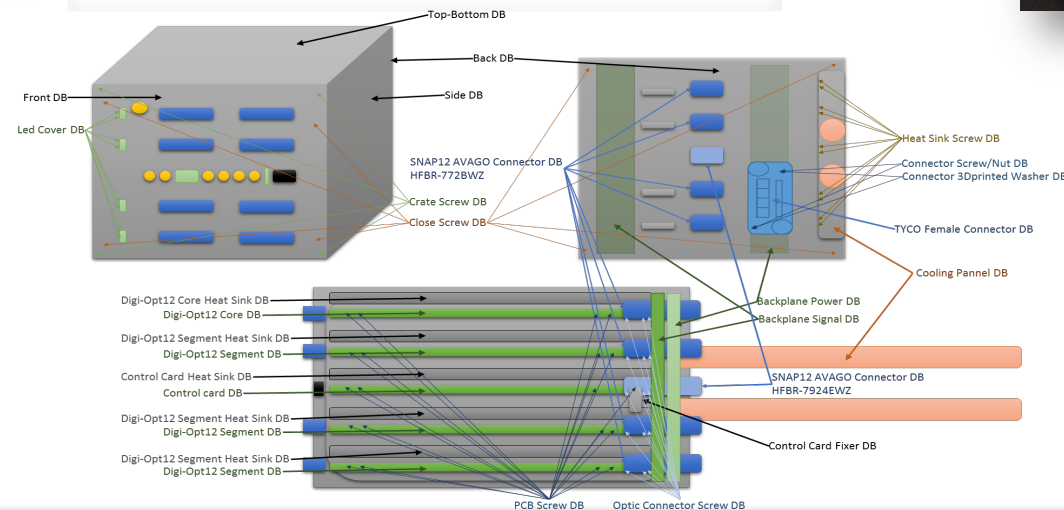
PSU

13 at GANIL
3 not working
4 ready



Digitizer-Box

- 11 at GANIL
- 1 at Valencia
 - 1 Digitizer channel not working
 - In use to help producing next batch of mechanics
- One at Legnaro



Mechanics

- 12 complete sets in production
- Front Panel update



Thank You

